

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086908.D
 Acq On : 12 May 2016 00:58
 Operator : UM/SJ
 Sample : H2965-05MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Manual Integrations
 APPROVED

umangi
 5/12/2016 9:10:06 AM

Quant Time: May 12 01:52:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 01:06:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	147719	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	602363	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	281416	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	502704	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	273216	20.00	ng	-0.01
86) Perylene-d12	15.13	264	294033	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	1045359	119.85	ng	0.01
7) Phenol-d6	6.30	99	1369770	117.50	ng	-0.01
23) Nitrobenzene-d5	7.21	82	897579	74.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	339182	113.85	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1404394	83.87	ng	0.00
78) Terphenyl-d14	12.73	244	1071576	83.22	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.16	88	129004	30.13	ng	# 68
3) Pyridine	2.81	79	331602	31.68	ng	# 66
4) n-Nitrosodimethylamine	2.76	42	287360	37.85	ng	# 52
6) Aniline	6.31	93	238248	16.90	ng	# 1
8) 2-Chlorophenol	6.42	128	403745	38.36	ng	86
9) Benzaldehyde	6.18	77	35617	5.28	ng	99
10) Phenol	6.32	94	471368	34.02	ng	91
11) bis(2-Chloroethyl)ether	6.38	93	383786	35.52	ng	84
12) 1,3-Dichlorobenzene	6.57	146	430312	37.78	ng	# 95
13) 1,4-Dichlorobenzene	6.65	146	433272	37.30	ng	95
14) 1,2-Dichlorobenzene	6.80	146	357537	35.32	ng	94
15) Benzyl Alcohol	6.80	79	368023	45.72	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.92	45	830583	35.36	ng	74
17) 2-Methylphenol	6.92	107	328724	39.25	ng	# 81
18) Hexachloroethane	7.14	117	161804	37.02	ng	97
19) n-Nitroso-di-n-propylamine	7.06	70	296870	36.44	ng	# 62
20) 3+4-Methylphenols	7.07	107	458630	41.93	ng	# 64
22) Acetophenone	7.05	105	582845	40.96	ng	# 94
24) Nitrobenzene	7.23	77	445592	36.11	ng	# 85
25) Isophorone	7.47	82	835858	37.55	ng	95
26) 2-Nitrophenol	7.54	139	199260	36.73	ng	# 69
27) 2,4-Dimethylphenol	7.60	122	361124	39.08	ng	89
28) bis(2-Chloroethoxy)methane	7.69	93	524272	43.67	ng	99
29) 2,4-Dichlorophenol	7.79	162	341309	41.97	ng	96
30) 1,2,4-Trichlorobenzene	7.86	180	343558	37.78	ng	95
31) Naphthalene	7.94	128	1147802	38.04	ng	99
32) Benzoic acid	7.70	122	32364	5.96	ng	# 81
33) 4-Chloroaniline	8.01	127	107202	9.14	ng	96
34) Hexachlorobutadiene	8.07	225	199338	37.78	ng	98
35) Caprolactam	8.39	113	101776m	36.78	ng	
36) 4-Chloro-3-methylphenol	8.51	107	390387	39.58	ng	99
37) 2-Methylnaphthalene	8.64	142	760124	43.09	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	302803	37.01	ng	98
40) Hexachlorocyclopentadiene	8.79	237	194346	50.04	ng	95

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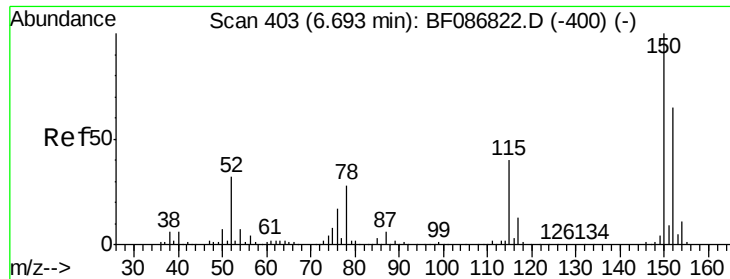
Manual Integrations
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Quant Time: May 12 01:52:26 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.92	196	217531	39.76	ng	92
43) 2,4,5-Trichlorophenol	8.97	196	227444	40.20	ng	# 86
45) 1,1'-Biphenyl	9.10	154	855323	38.21	ng	95
46) 2-Chloronaphthalene	9.12	162	653234	37.25	ng	93
47) 2-Nitroaniline	9.23	65	285971	44.62	ng	86
48) Acenaphthylene	9.53	152	993204	38.50	ng	99
49) Dimethylphthalate	9.42	163	1042081	48.54	ng	99
50) 2,6-Dinitrotoluene	9.47	165	176861	39.14	ng	# 87
51) Acenaphthene	9.70	154	594654	37.06	ng	98
52) 3-Nitroaniline	9.64	138	108266	22.76	ng	97
53) 2,4-Dinitrophenol	9.76	184	41660	24.00	ng	91
54) Dibenzofuran	9.87	168	865070	42.00	ng	93
55) 4-Nitrophenol	9.83	139	198476	63.57	ng	# 42
56) 2,4-Dinitrotoluene	9.87	165	202941	36.29	ng	# 52
57) Fluorene	10.22	166	662854	37.73	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.00	232	179708	42.19	ng	97
59) Diethylphthalate	10.11	149	829690	39.66	ng	95
60) 4-Chlorophenyl-phenylether	10.22	204	342775	44.80	ng	# 85
61) 4-Nitroaniline	10.26	138	178812	39.14	ng	83
62) Azobenzene	10.38	77	977846	43.32	ng	87
64) 4,6-Dinitro-2-methylphenol	10.28	198	85016	27.22	ng	# 77
65) n-Nitrosodiphenylamine	10.34	169	675221	43.72	ng	99
66) 4-Bromophenyl-phenylether	10.70	248	193973	38.06	ng	92
67) Hexachlorobenzene	10.76	284	244188	40.99	ng	97
68) Atrazine	10.87	200	194648	37.73	ng	95
69) Pentachlorophenol	10.97	266	217117	78.87	ng	98
70) Phenanthrene	11.18	178	1373913	51.21	ng	100
71) Anthracene	11.22	178	1077398	39.27	ng	100
72) Carbazole	11.38	167	908051	38.50	ng	98
73) Di-n-butylphthalate	11.72	149	1250025	43.40	ng	99
74) Fluoranthene	12.35	202	1286337	46.62	ng	98
76) Benzidine	12.49	184	440241	63.21	ng	96
77) Pyrene	12.58	202	1341594	64.14	ng	100
79) Butylbenzylphthalate	13.21	149	450810	50.95	ng	# 83
80) Benzo(a)anthracene	13.76	228	796017	51.90	ng	98
81) 3,3'-Dichlorobenzidine	13.74	252	115776	11.88	ng	# 96
82) Chrysene	13.81	228	763114	48.91	ng	99
83) Bis(2-ethylhexyl)phthalate	13.77	149	550312	51.71	ng	97
84) Di-n-octyl phthalate	14.38	149	870991	49.41	ng	# 85
85) Indeno(1,2,3-cd)pyrene	16.39	276	781893	60.23	ng	94
87) Benzo(b)fluoranthene	14.77	252	801183m	41.93	ng	
88) Benzo(k)fluoranthene	14.79	252	627857m	40.13	ng	
89) Benzo(a)pyrene	15.09	252	761354m	46.19	ng	
90) Dibenzo(a,h)anthracene	16.40	278	620434	44.66	ng	98
91) Benzo(g,h,i)perylene	16.77	276	676657	47.94	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

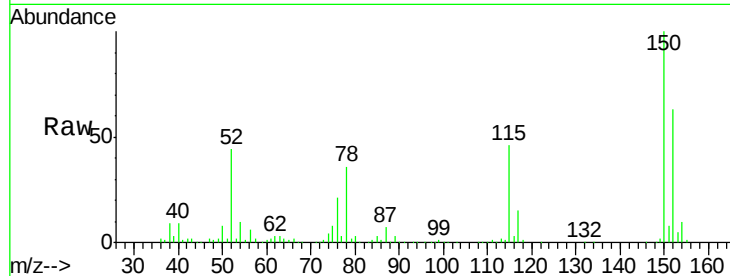
ClientSampleId :

E-19(11.5-12)MS

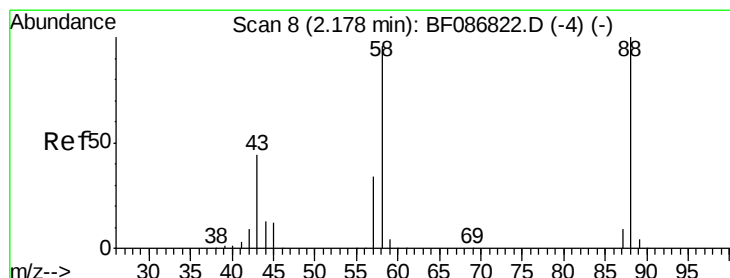
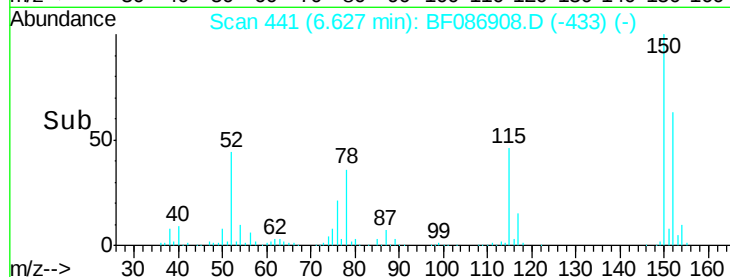
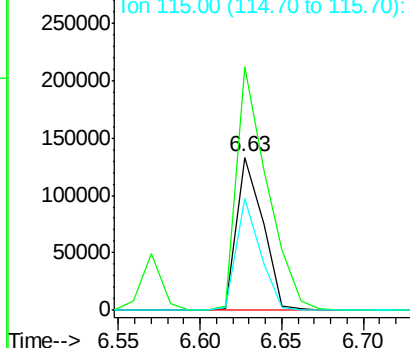
Tgt Ion:	152	Resp:	147719
Ion Ratio	Lower	Upper	
152	100		
150	158.9	125.8	188.6
115	72.6	51.5	77.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 30.13 ng

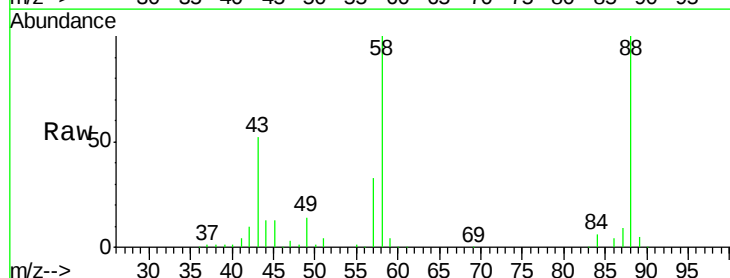
RT: 2.16 min Scan# 50

Delta R.T. 0.08 min

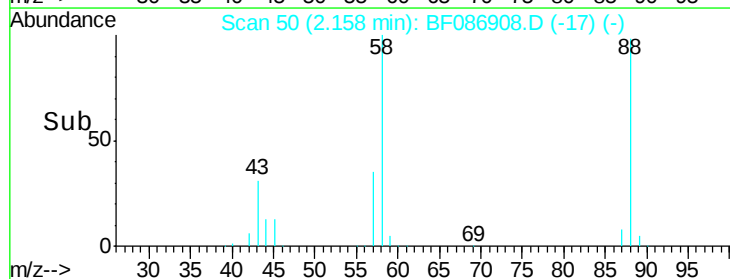
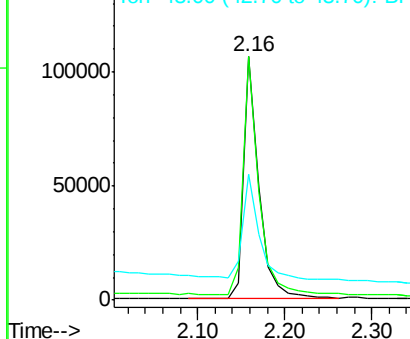
Lab File: BF086908.D

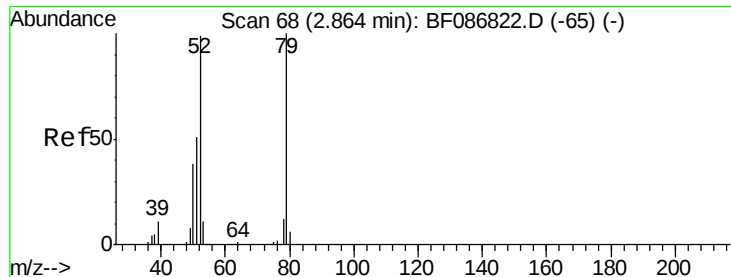
Acq: 12 May 2016 00:58

Tgt Ion:	88	Resp:	129004
Ion Ratio	Lower	Upper	
88	100		
58	99.7	59.6	89.4#
43	46.7	21.8	32.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 31.68 ng

RT: 2.81 min Scan# 107

Delta R.T. 0.08 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

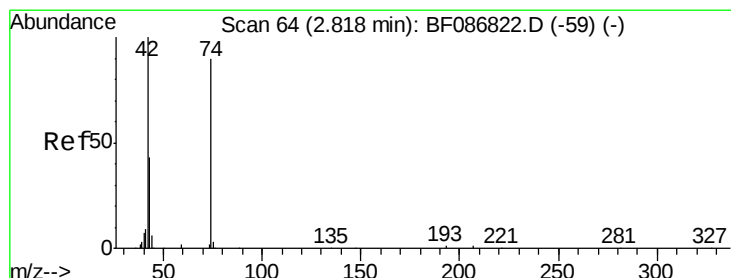
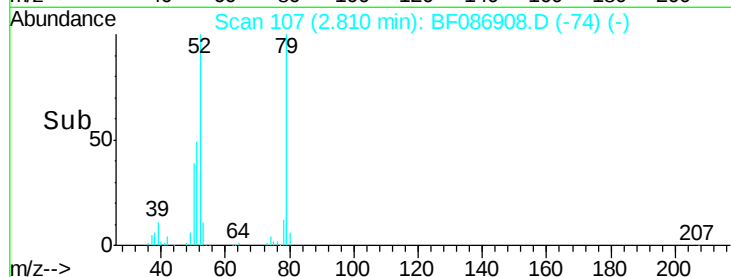
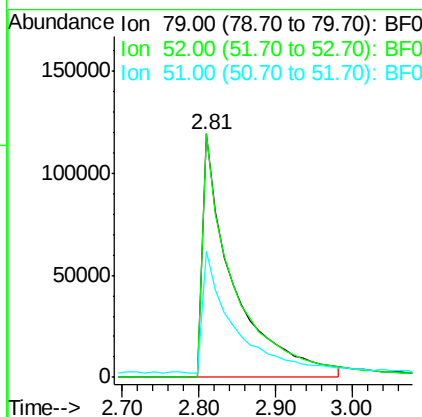
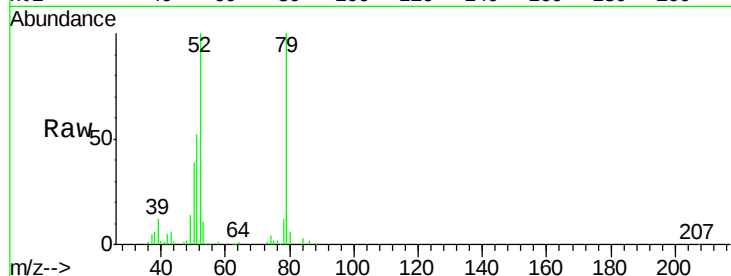
ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:	79	Resp:	331602
Ion Ratio	Lower	Upper	
79	100		
52	100.1	55.9	83.9#
51	51.6	28.1	42.1#

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#4

n-Nitrosodimethylamine

Concen: 37.85 ng

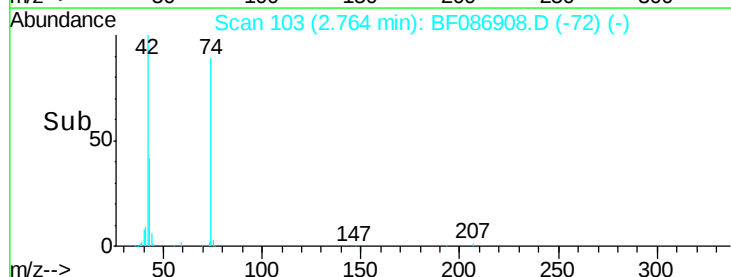
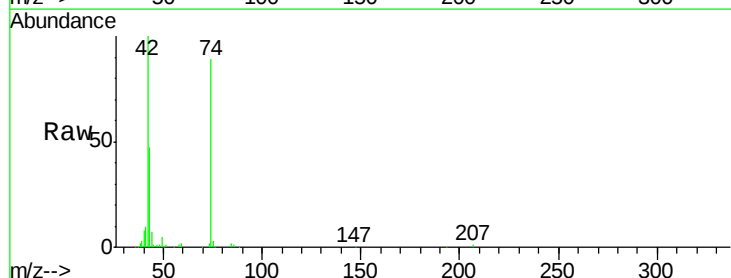
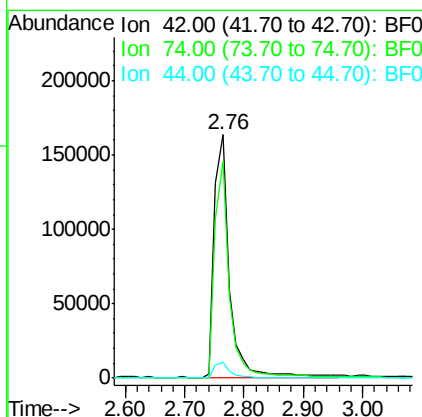
RT: 2.76 min Scan# 103

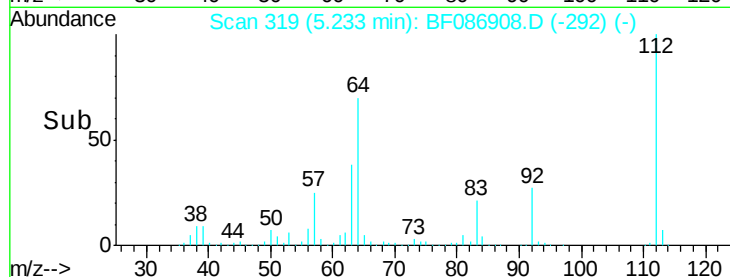
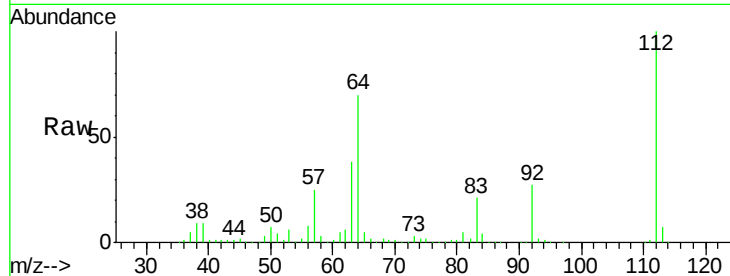
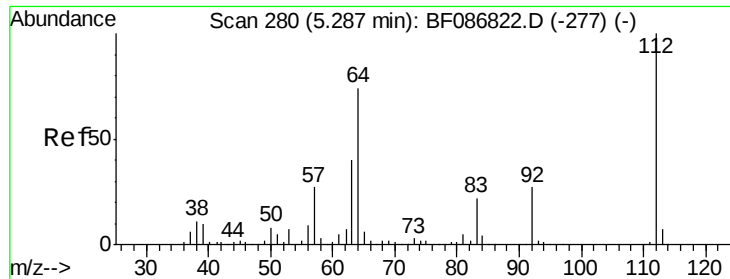
Delta R.T. 0.06 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	42	Resp:	287360
Ion Ratio	Lower	Upper	
42	100		
74	89.0	123.4	185.0#
44	6.6	5.8	8.6





#5

2-Fluorophenol

Concen: 119.85 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS

Tgt Ion: 112 Resp: 1045359

Ion Ratio Lower Upper

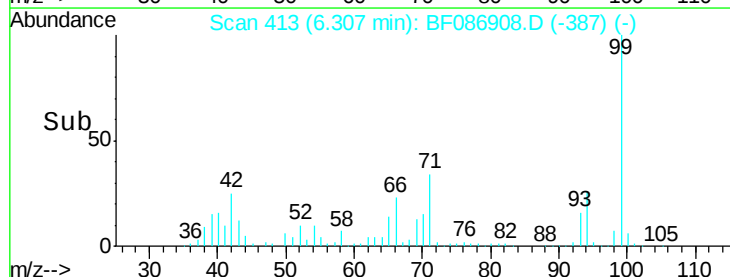
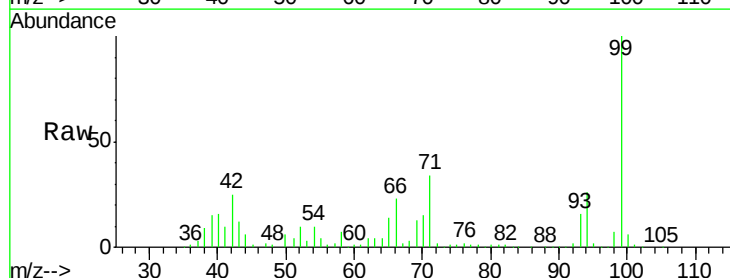
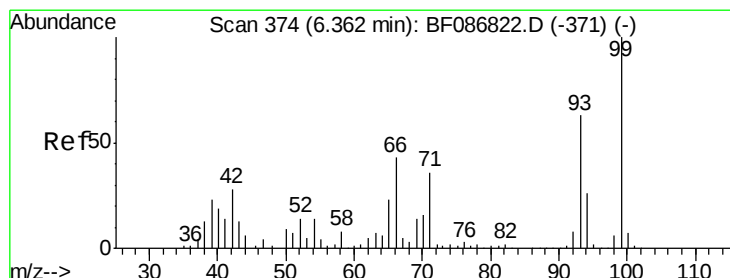
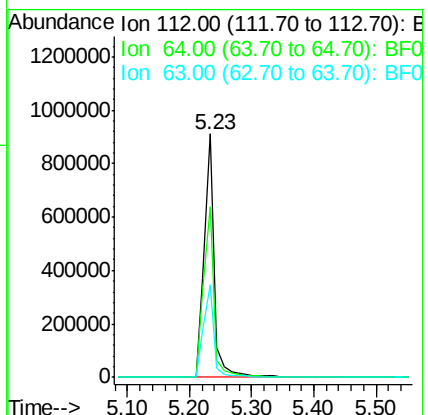
112 100

64 69.9 52.1 78.1

63 38.0 25.7 38.5

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#6

Aniline

Concen: 16.90 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

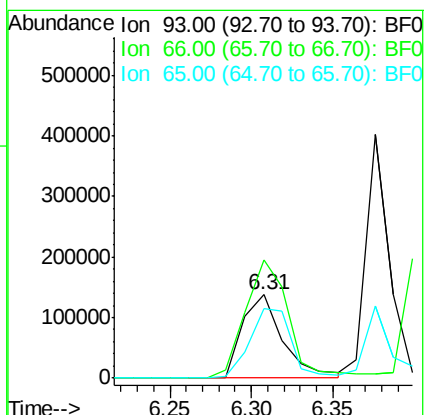
Tgt Ion: 93 Resp: 238248

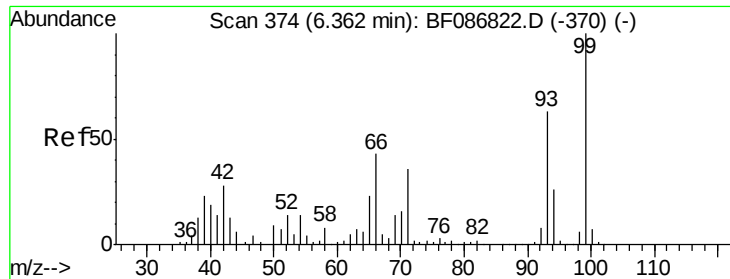
Ion Ratio Lower Upper

93 100

66 141.5 39.0 58.6#

65 83.7 20.6 31.0#





#7

Phenol-d6

Concen: 117.50 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS

Tgt Ion: 99 Resp: 1369770

Ion Ratio Lower Upper

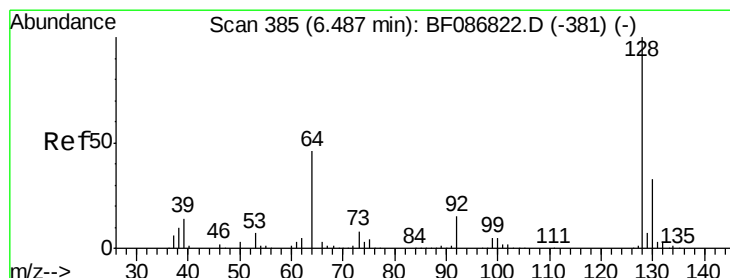
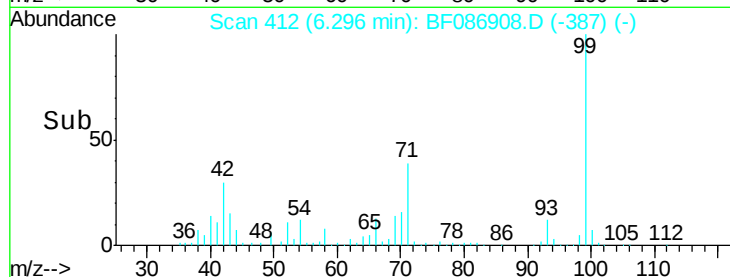
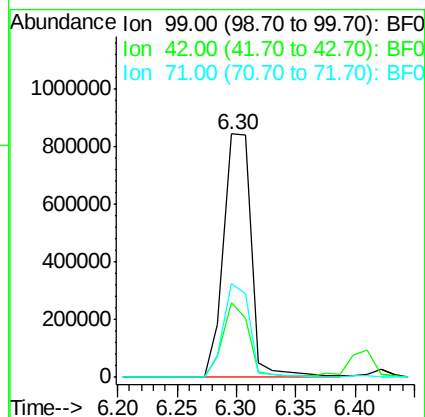
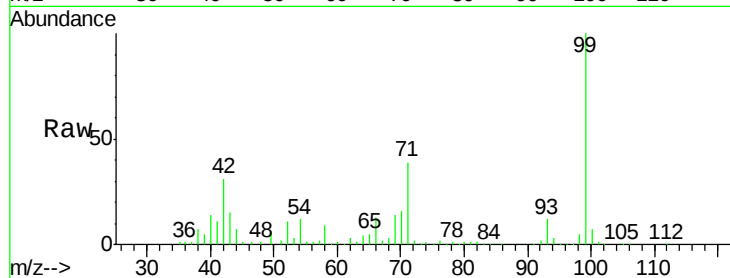
99 100

42 30.5 13.6 20.4#

71 38.6 24.6 36.8#

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#8

2-Chlorophenol

Concen: 38.36 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

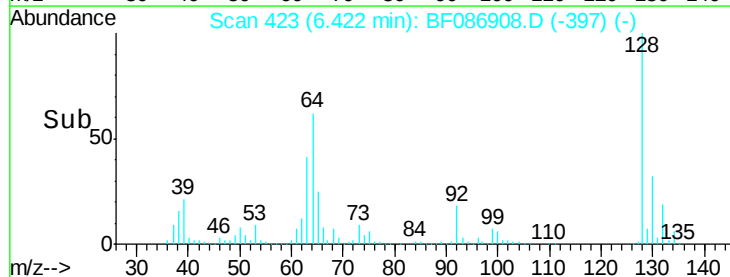
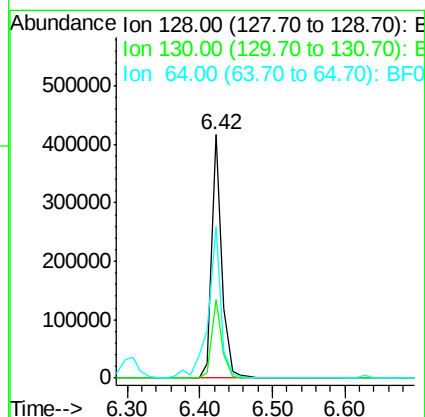
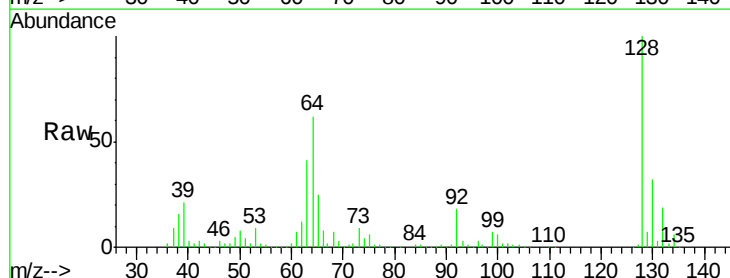
Tgt Ion: 128 Resp: 403745

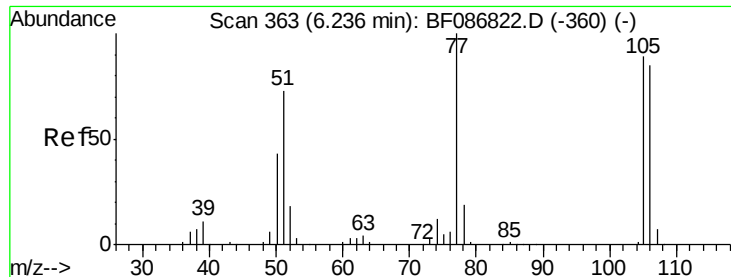
Ion Ratio Lower Upper

128 100

130 32.2 12.5 52.5

64 62.3 27.3 67.3





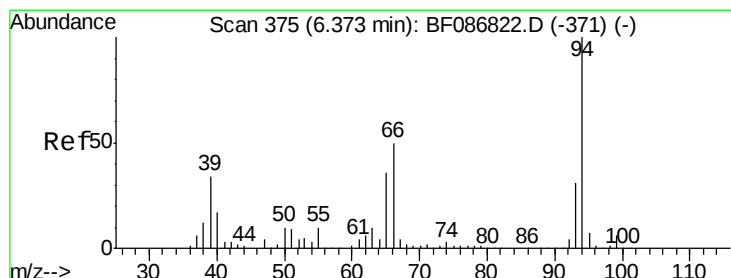
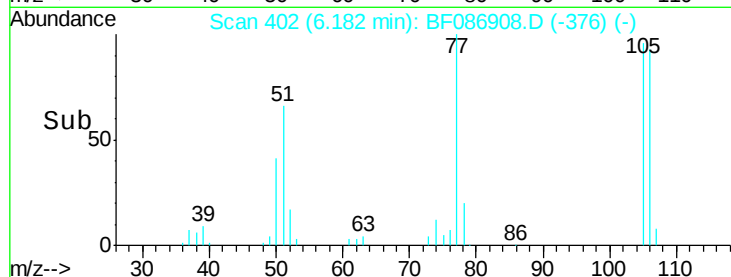
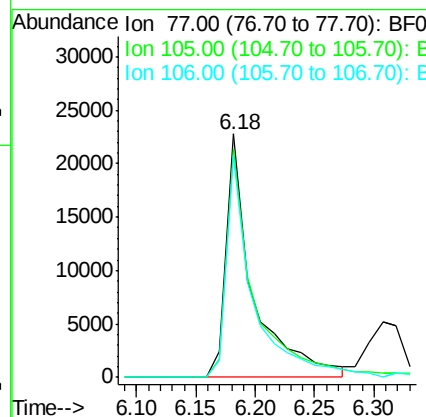
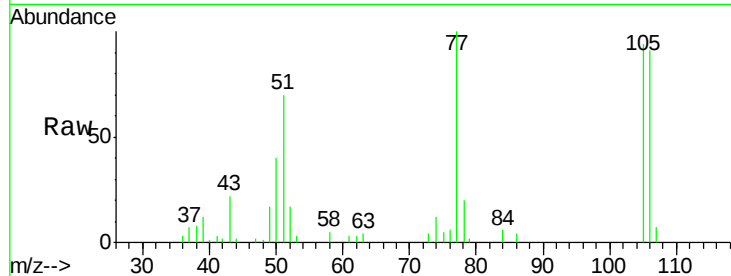
#9
Benzaldehyde
Concen: 5.28 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion: 77 Resp: 35617
Ion Ratio Lower Upper
77 100
105 93.9 72.7 112.7
106 91.3 70.8 110.8

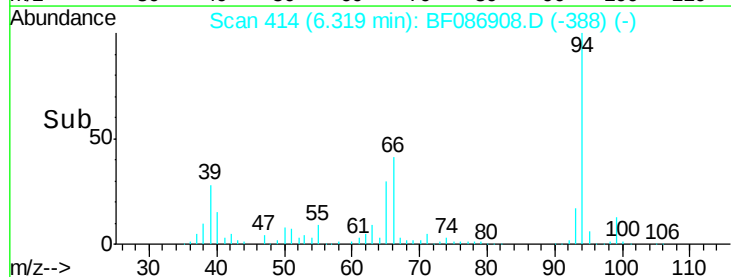
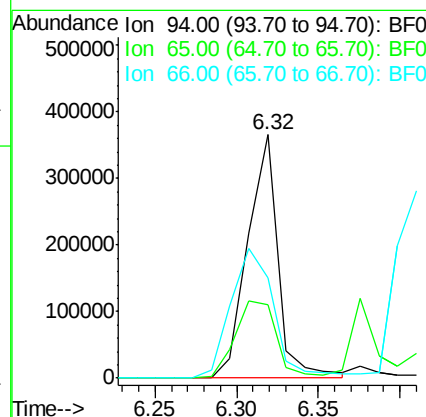
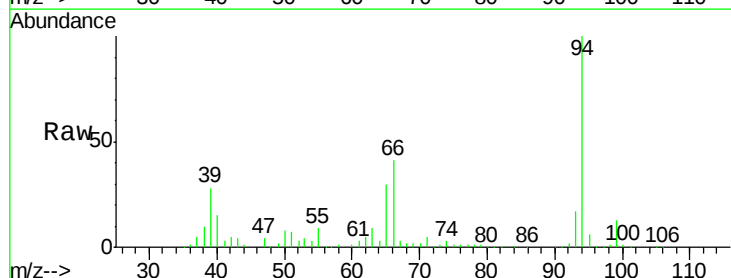
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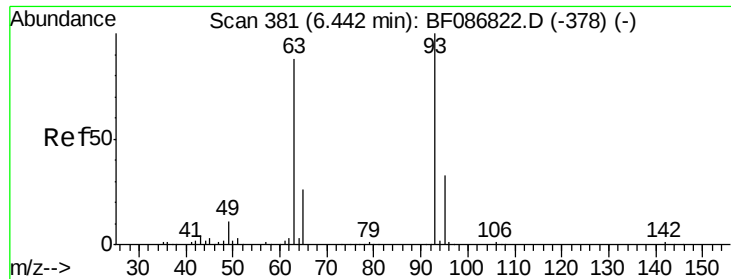
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#10
Phenol
Concen: 34.02 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion: 94 Resp: 471368
Ion Ratio Lower Upper
94 100
65 30.1 7.2 47.2
66 41.2 14.9 54.9





#11

bis(2-Chloroethyl)ether

Concen: 35.52 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

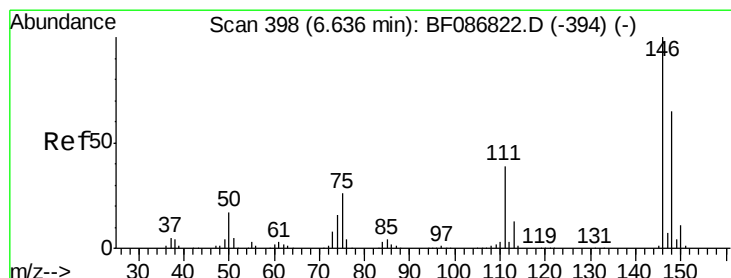
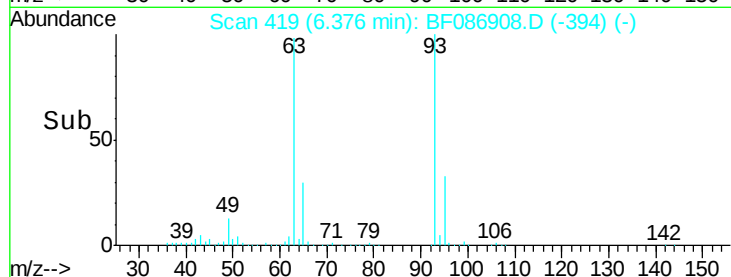
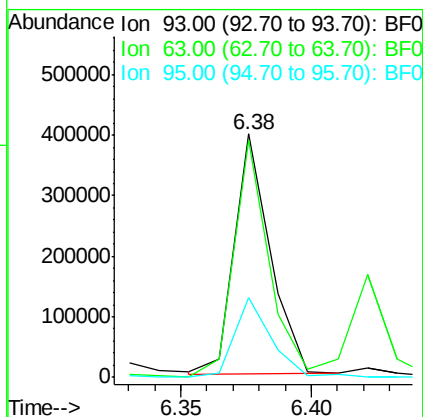
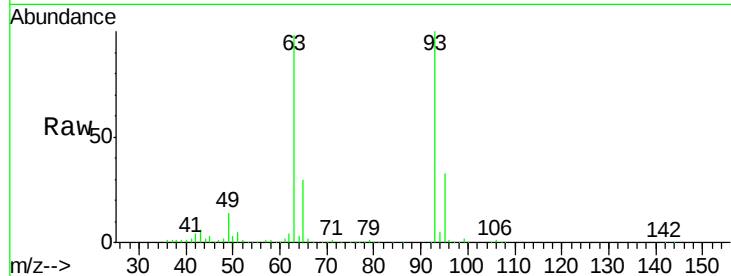
ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:	93	Resp:	383786
Ion Ratio	Lower	Upper	
93	100		
63	97.7	58.0	98.0
95	32.6	11.9	51.9

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#12

1,3-Dichlorobenzene

Concen: 37.78 ng

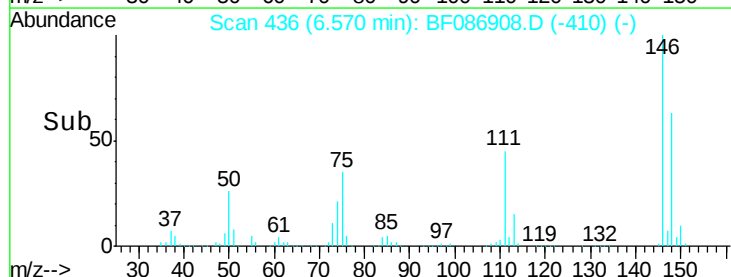
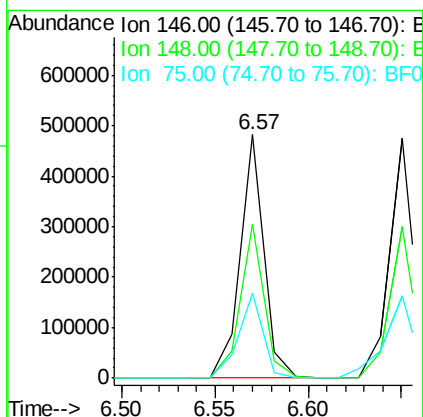
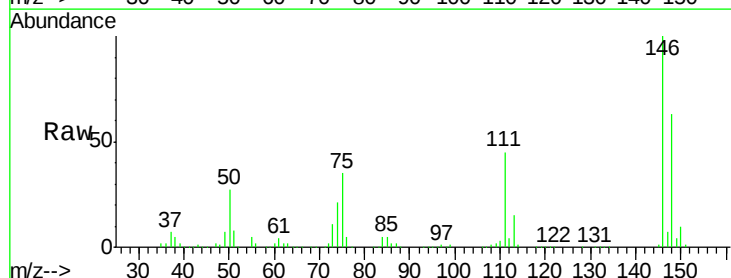
RT: 6.57 min Scan# 436

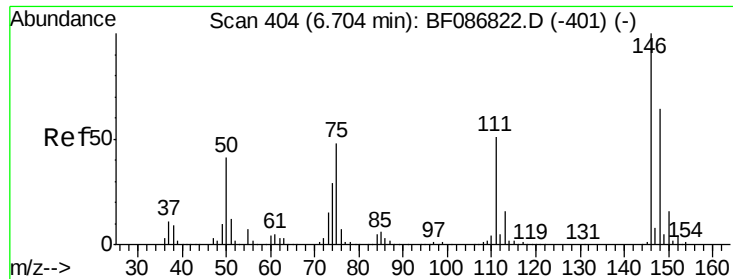
Delta R.T. 0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	146	Resp:	430312
Ion Ratio	Lower	Upper	
146	100		
148	63.4	52.4	78.6
75	34.8	22.8	34.2#





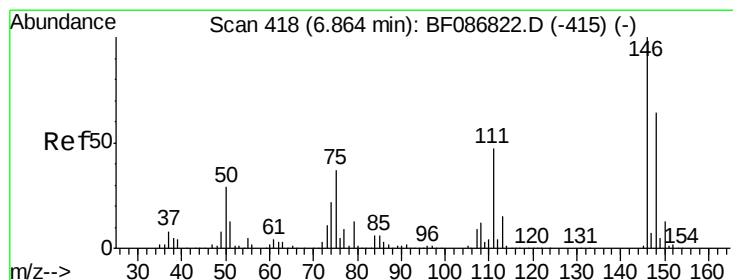
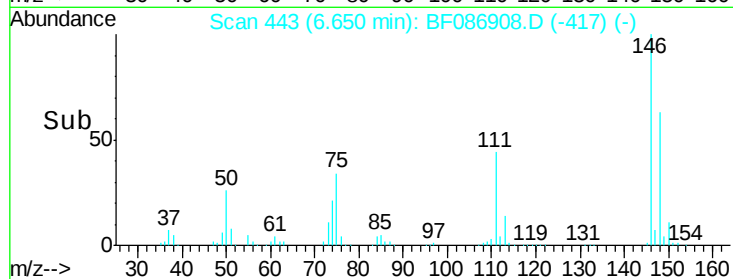
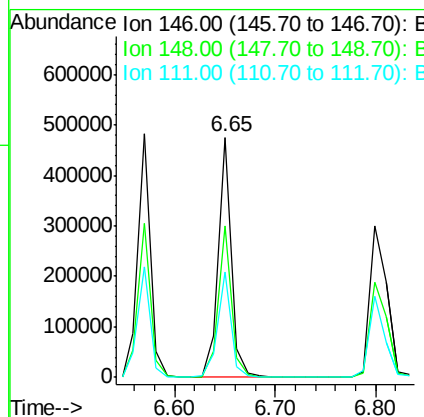
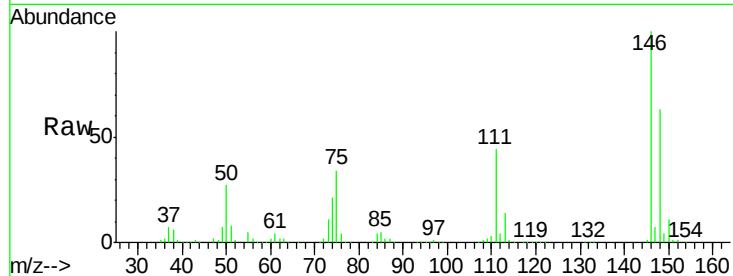
#13
 1,4-Dichlorobenzene
 Concen: 37.30 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	433272		
148	63.0	52.2	78.4	
111	43.7	30.7	46.1	

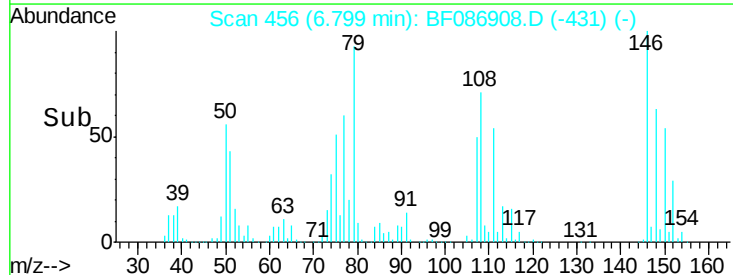
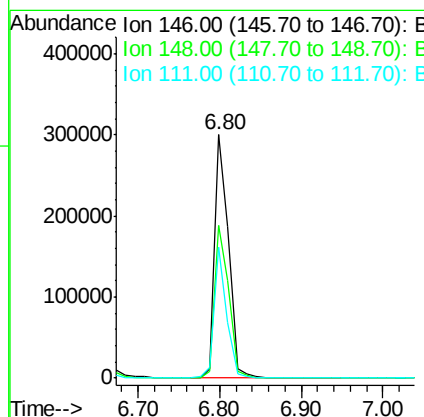
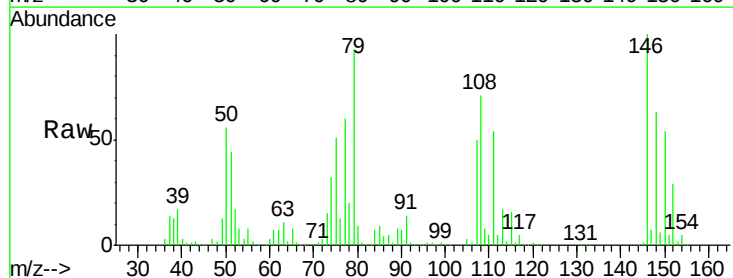
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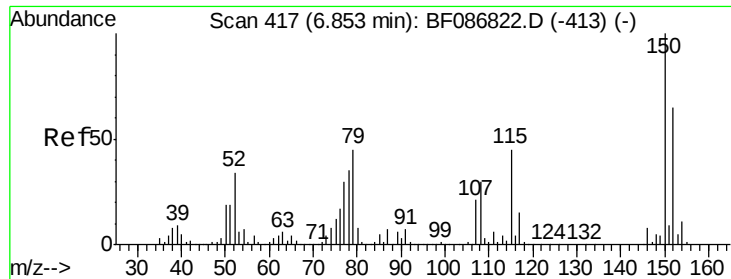
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#14
 1,2-Dichlorobenzene
 Concen: 35.32 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	357537		
148	63.0	51.0	76.6	
111	53.9	36.2	54.4	





#15

Benzyl Alcohol

Concen: 45.72 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

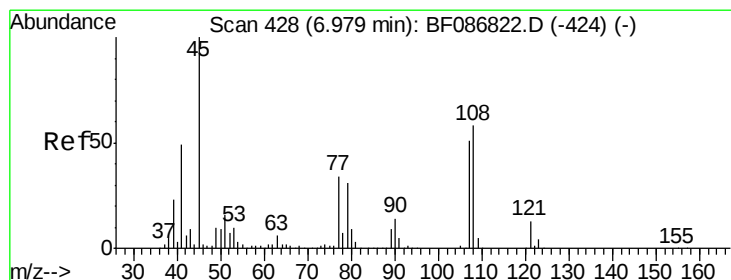
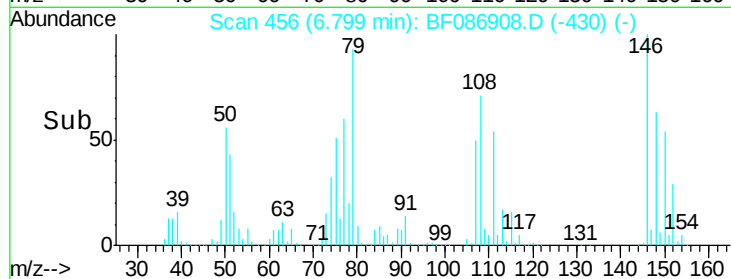
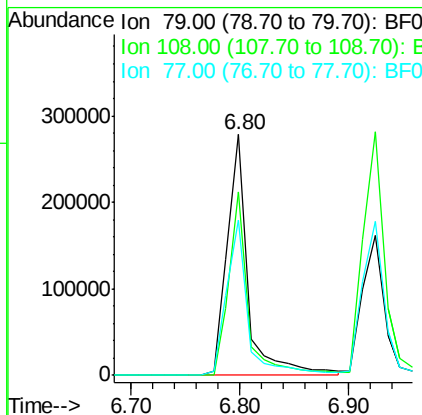
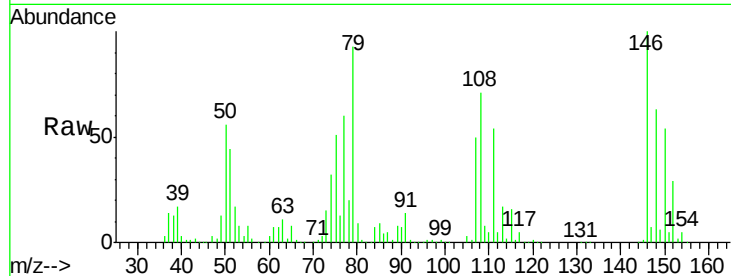
ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:	79	Resp:	368023
Ion Ratio	Lower	Upper	
79	100		
108	76.1	68.4	102.6
77	64.5	50.6	76.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.36 ng

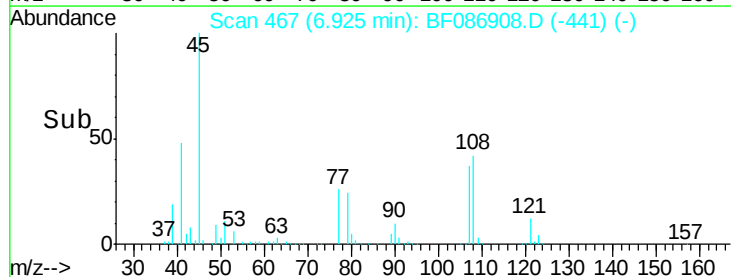
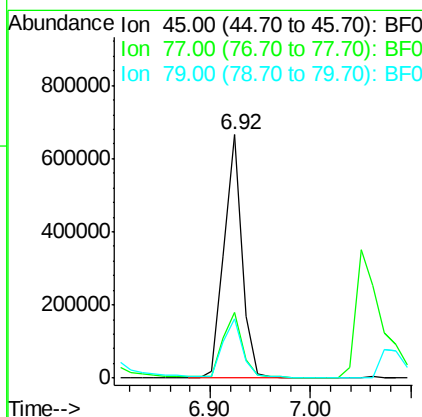
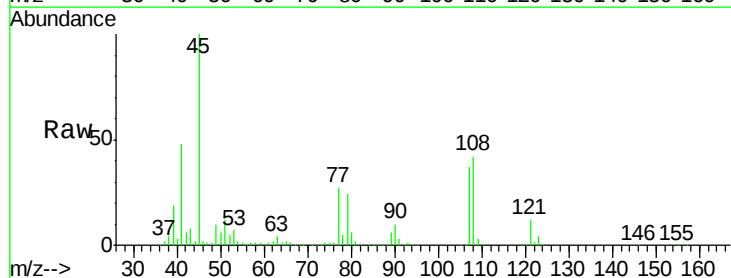
RT: 6.92 min Scan# 467

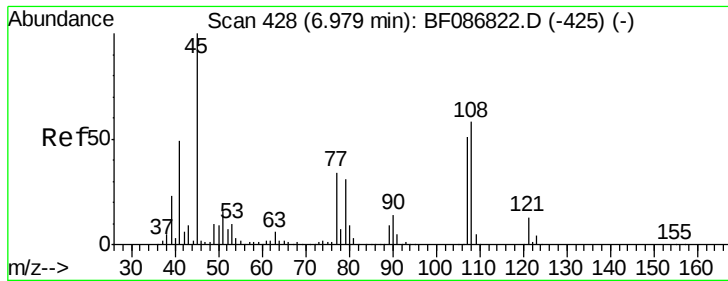
Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	45	Resp:	830583
Ion Ratio	Lower	Upper	
45	100		
77	26.8	0.0	36.4
79	24.4	0.0	33.4





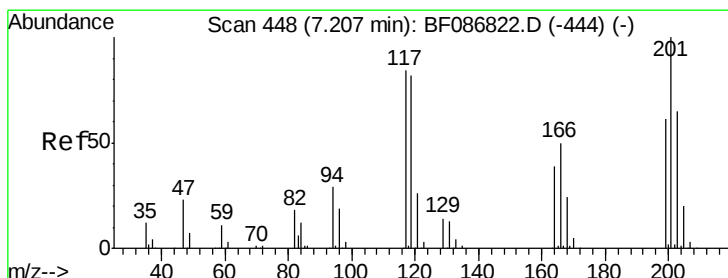
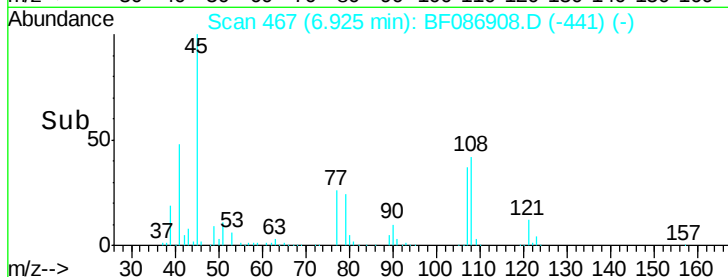
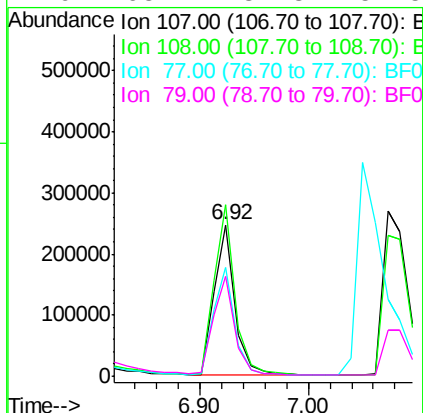
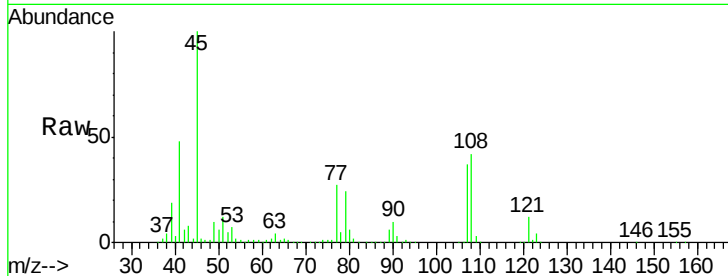
#17
2-Methylphenol
Concen: 39.25 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	328724		
108	113.8	93.7	140.5	
77	72.0	33.4	50.0#	
79	65.7	34.3	51.5#	

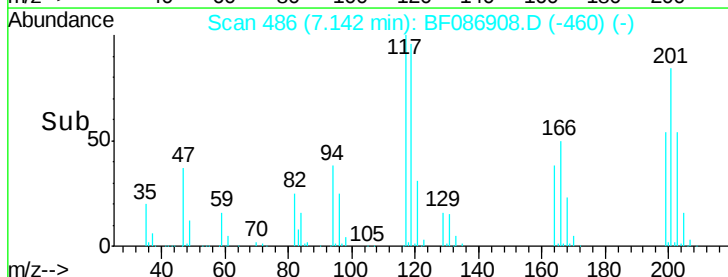
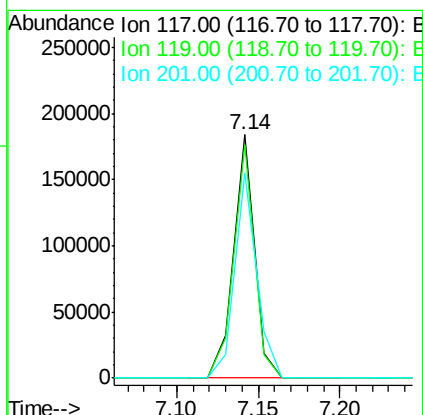
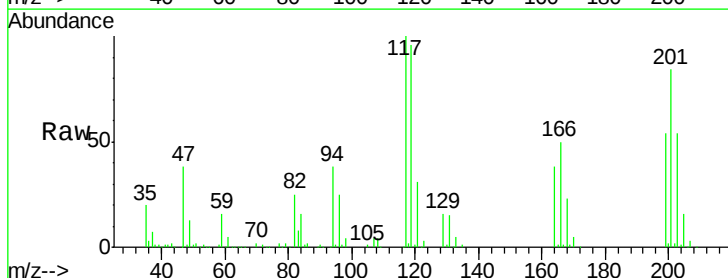
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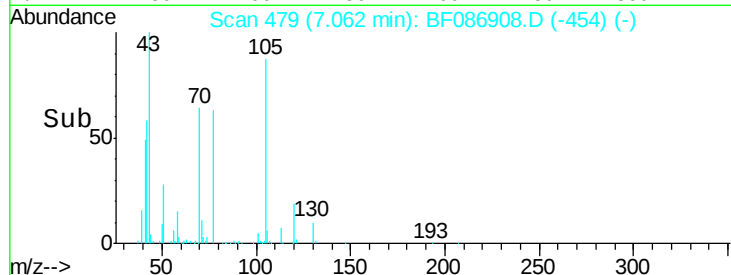
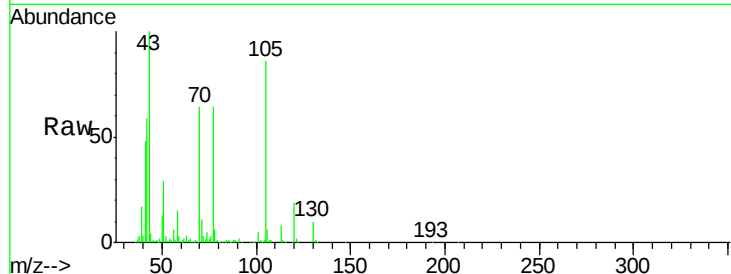
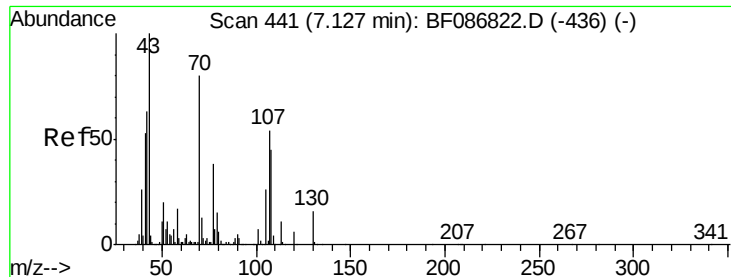
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#18
Hexachloroethane
Concen: 37.02 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	161804		
119	96.1	76.5	114.7	
201	84.4	63.0	94.6	





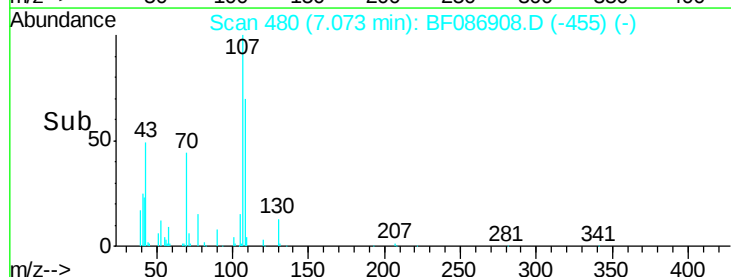
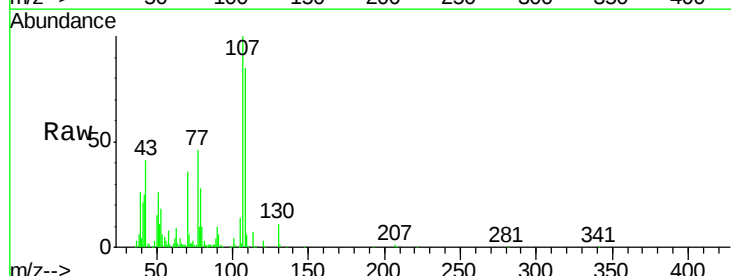
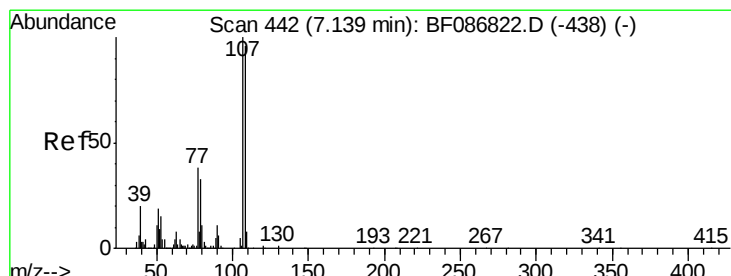
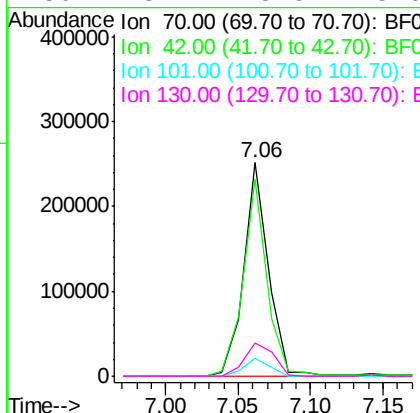
#19
n-Nitroso-di-n-propylamine
Concen: 36.44 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.01 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Resp Lower	Upper
70	100		
42	92.0	43.1	64.7#
101	8.3	8.1	12.1
130	15.7	18.6	28.0#

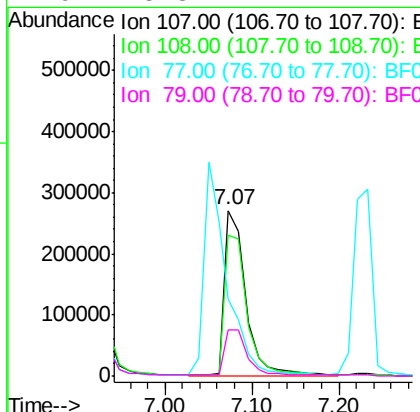
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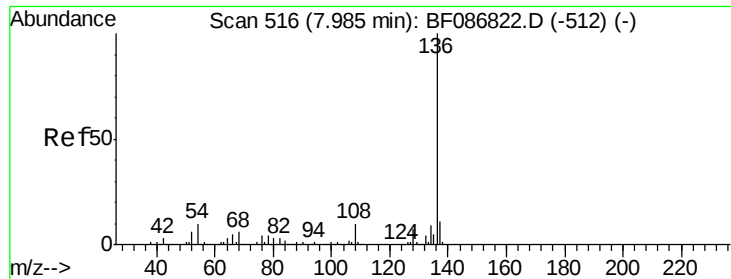
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#20
3+4-Methylphenols
Concen: 41.93 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.01 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
108	85.1	68.5	108.5
77	46.3	101.6	141.6#
79	28.3	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF086908.D

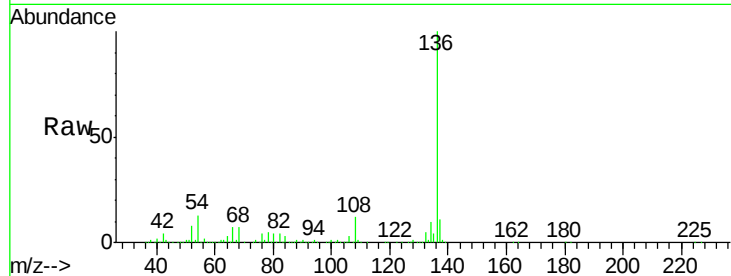
Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS



Tgt Ion:136 Resp: 602363

Ion Ratio Lower Upper

136 100

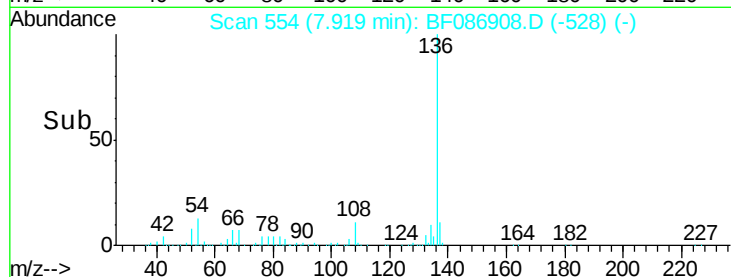
137 11.2 8.8 13.2

54 13.4 5.0 7.4#

68 7.2 4.4 6.6#

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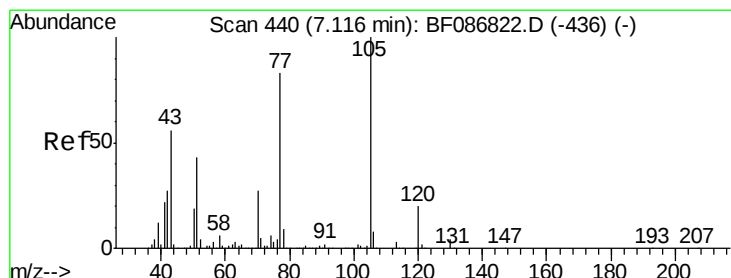
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time--> 7.80 7.90 8.00



#22

Acetophenone

Concen: 40.96 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:105 Resp: 582845

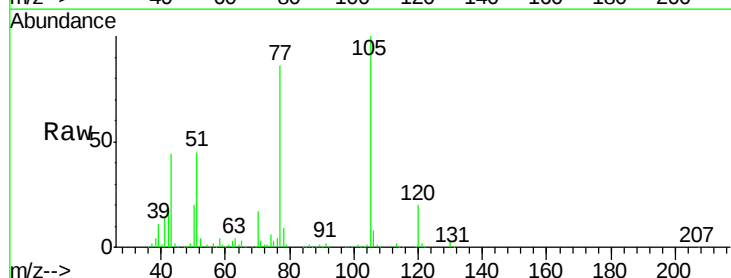
Ion Ratio Lower Upper

105 100

71 2.9 4.8 7.2#

51 45.4 32.6 49.0

120 19.9 16.5 24.7



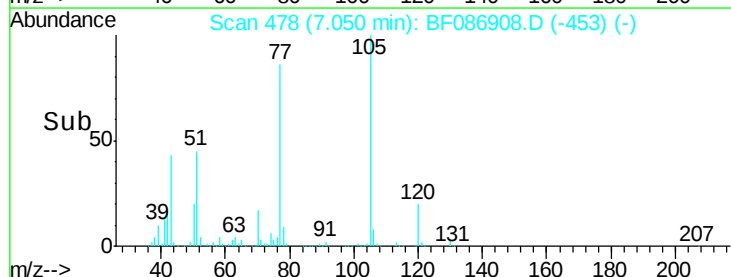
Abundance Ion 105.00 (104.70 to 105.70): E

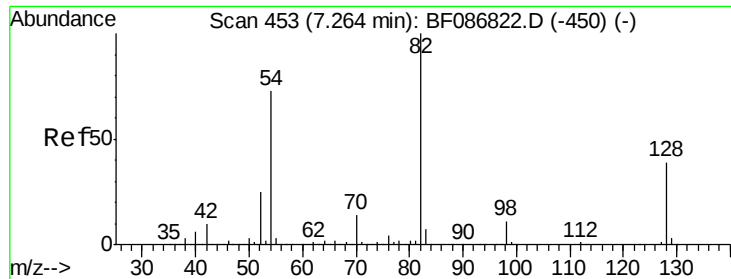
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time--> 7.00 7.10 7.20





#23

Nitrobenzene-d5

Concen: 74.82 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

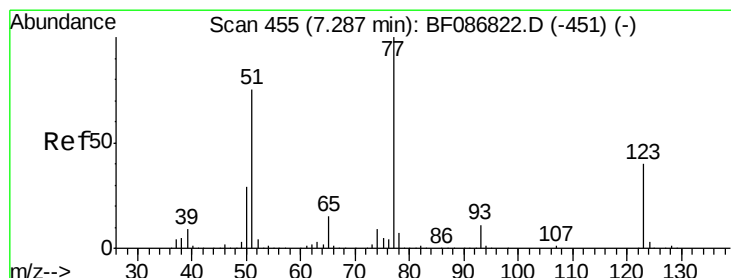
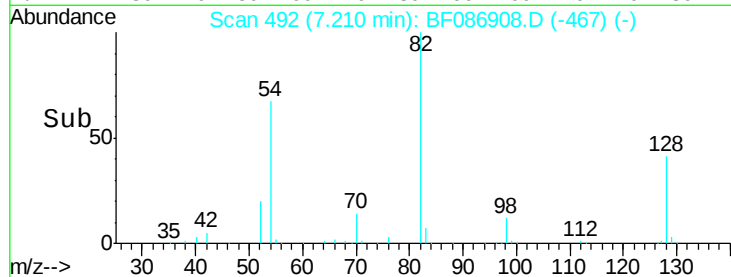
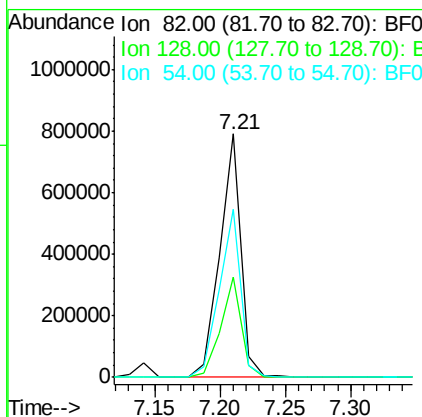
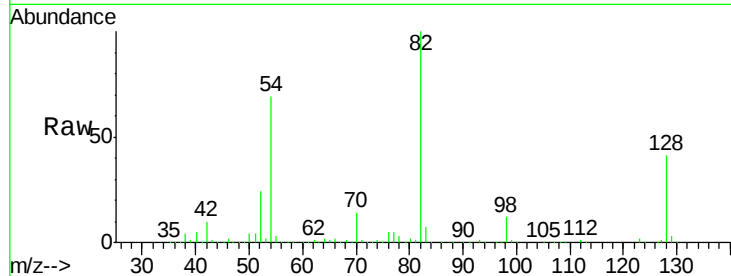
ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:	82	Resp:	897579
Ion Ratio	Lower	Upper	
82	100		
128	40.9	40.6	61.0
54	69.1	38.1	57.1#

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#24

Nitrobenzene

Concen: 36.11 ng

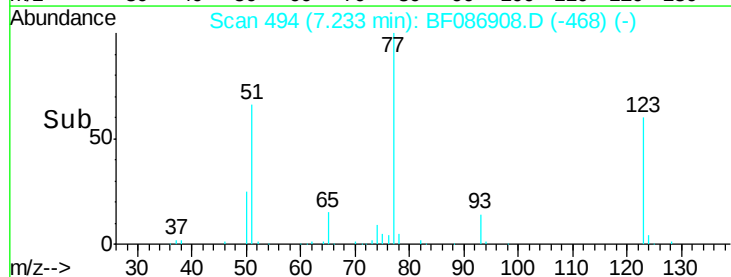
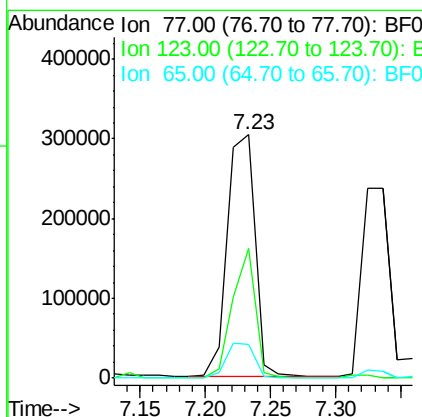
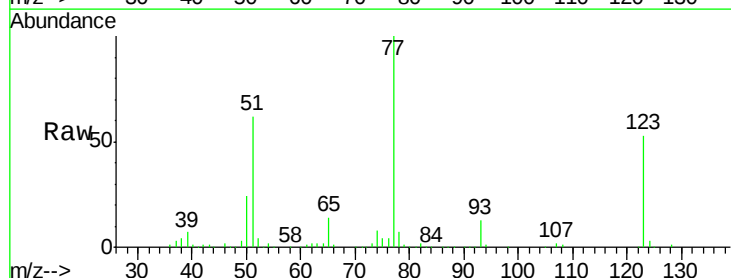
RT: 7.23 min Scan# 494

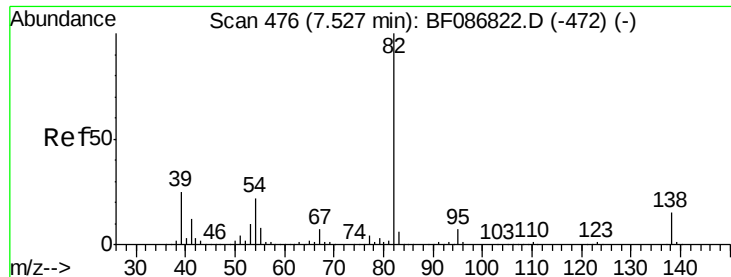
Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	77	Resp:	445592
Ion Ratio	Lower	Upper	
77	100		
123	53.4	33.0	49.4#
65	13.7	10.8	16.2





#25

Isophorone

Concen: 37.55 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

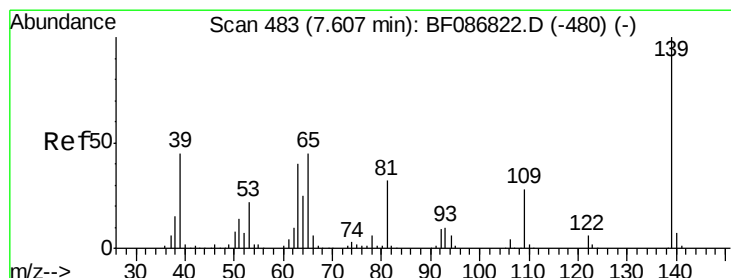
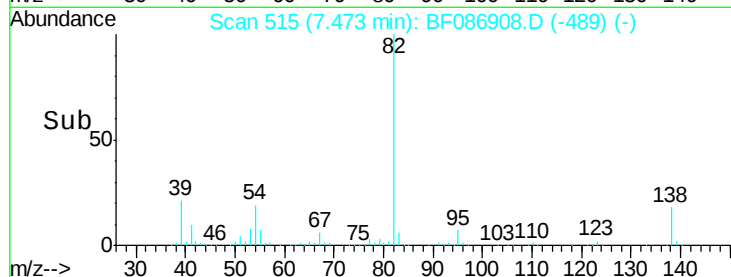
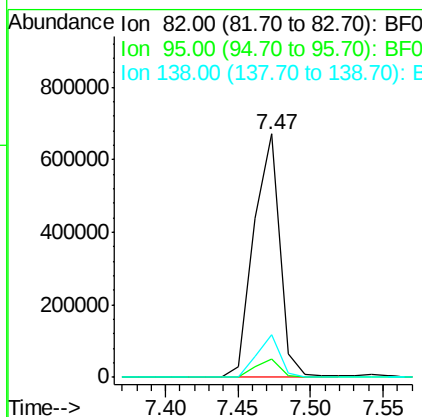
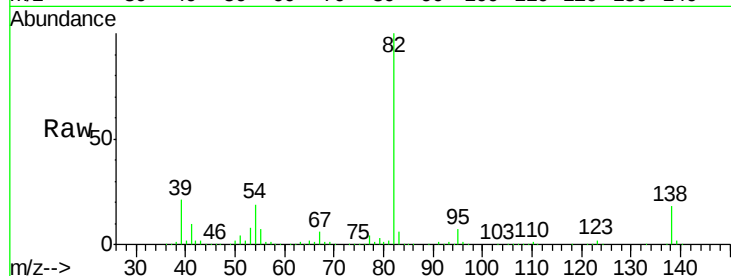
ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:	82	Resp:	835858
Ion Ratio	Lower	Upper	
82	100		
95	7.4	5.1	7.7
138	17.7	12.4	18.6

Manual Integrations
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#26

2-Nitrophenol

Concen: 36.73 ng

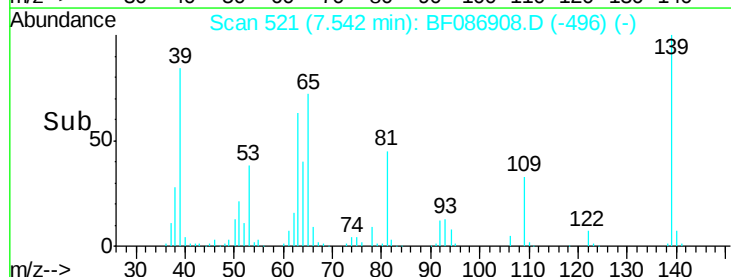
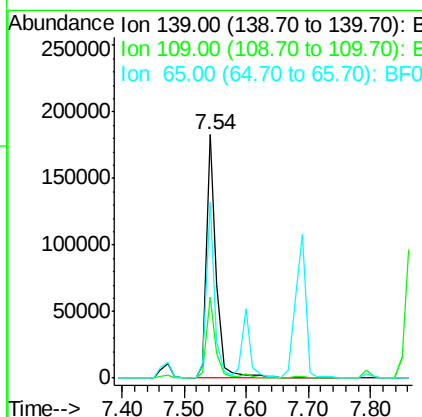
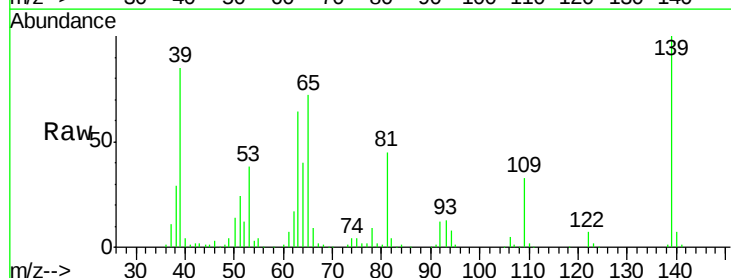
RT: 7.54 min Scan# 521

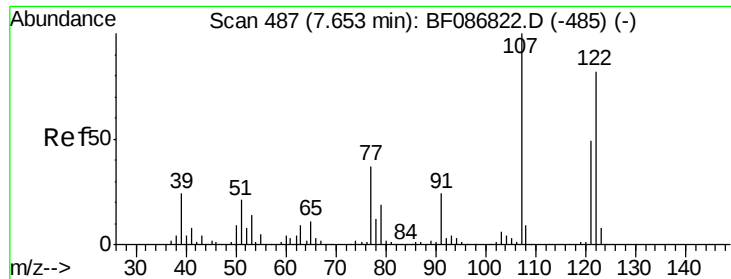
Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	139	Resp:	199260
Ion Ratio	Lower	Upper	
139	100		
109	33.3	19.5	29.3#
65	72.4	37.5	56.3#





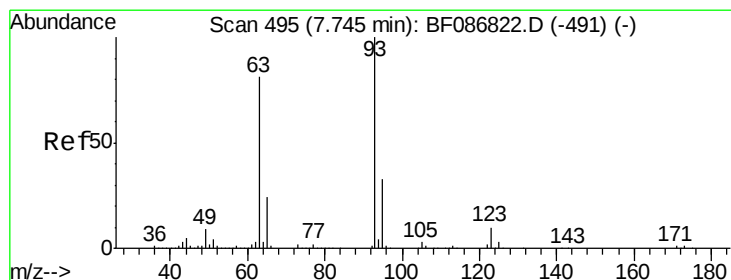
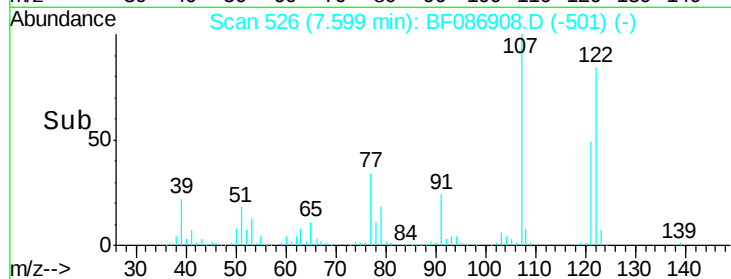
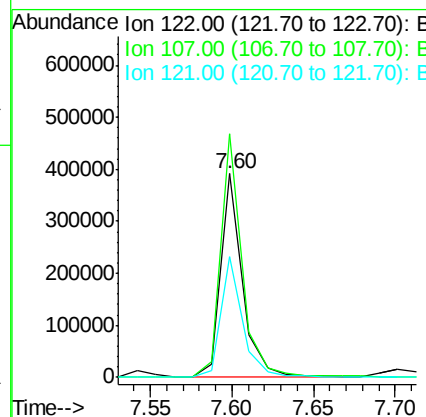
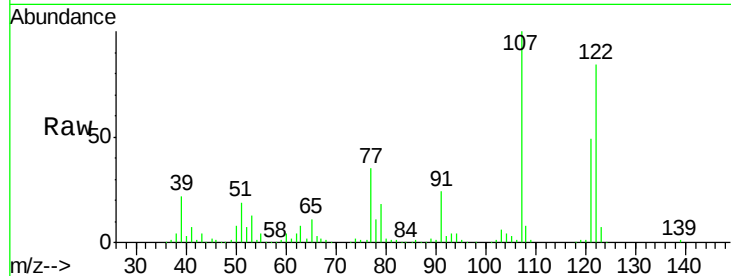
#27
 2,4-Dimethylphenol
 Concen: 39.08 ng
 RT: 7.60 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	361124		
107	119.5	82.0	123.0	
121	59.0	46.1	69.1	

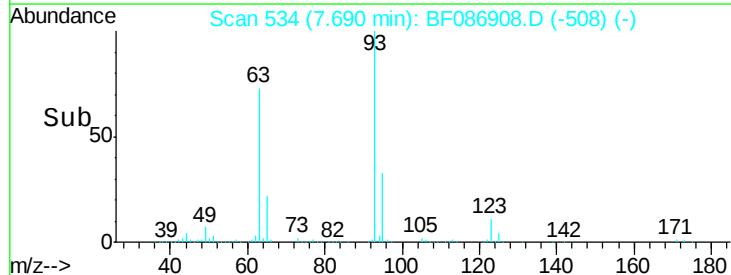
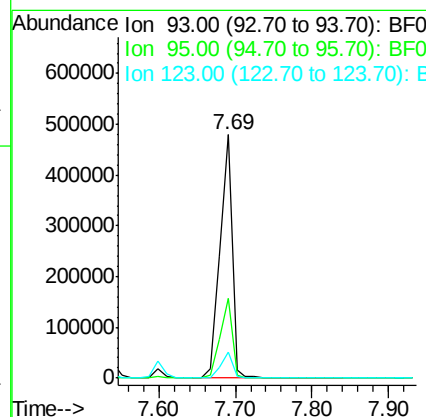
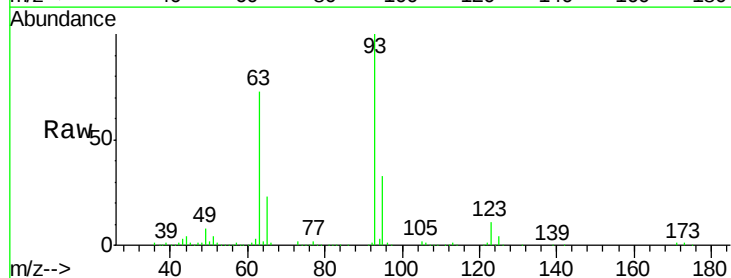
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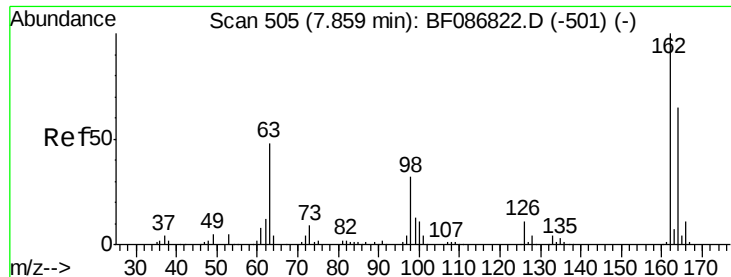
umangi
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#28
 bis(2-Chloroethoxy)methane
 Concen: 43.67 ng
 RT: 7.69 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	524272		
95	32.6	26.0	39.0	
123	10.9	9.5	14.3	





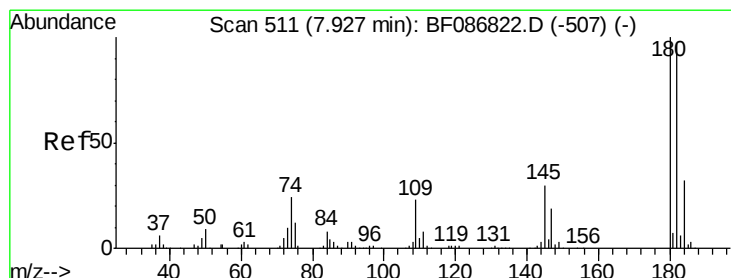
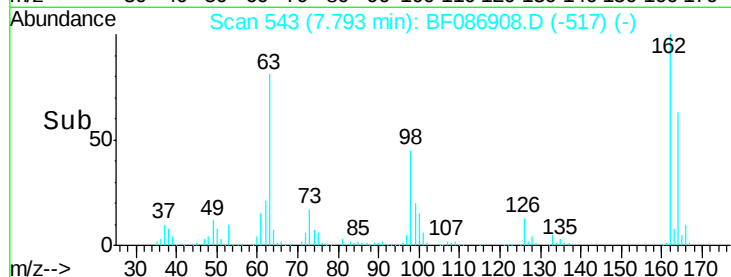
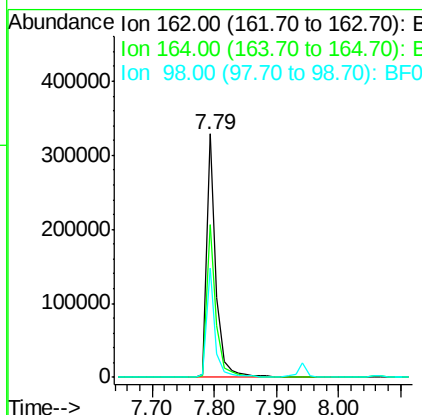
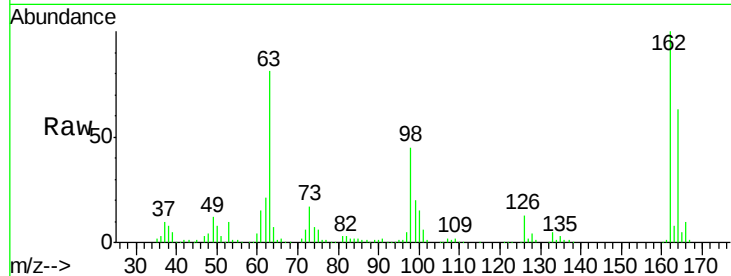
#29
 2,4-Dichlorophenol
 Concen: 41.97 ng
 RT: 7.79 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	341309		
164	62.9	42.2	82.2	
98	44.7	19.0	59.0	

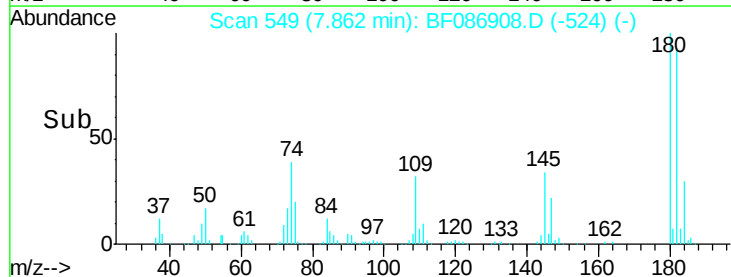
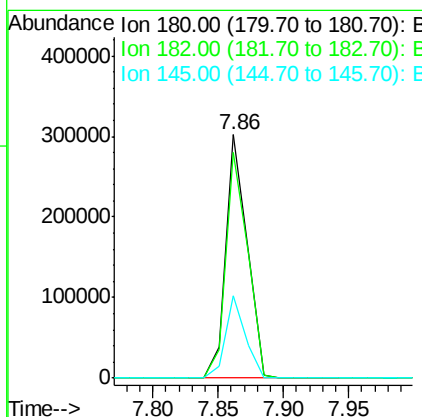
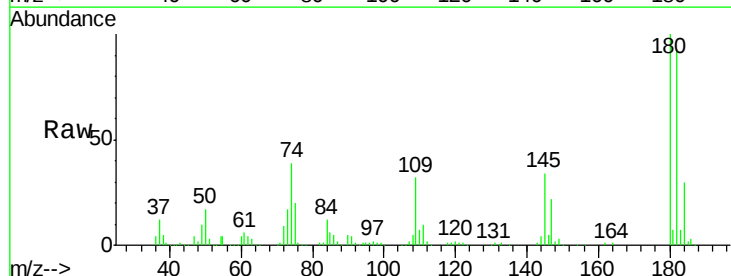
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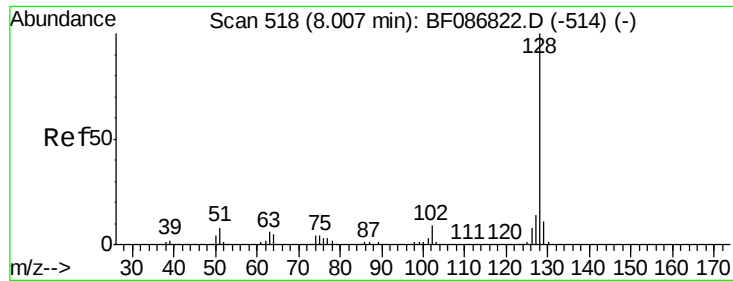
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#30
 1,2,4-Trichlorobenzene
 Concen: 37.78 ng
 RT: 7.86 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	343558		
182	92.8	78.0	117.0	
145	33.9	24.2	36.2	





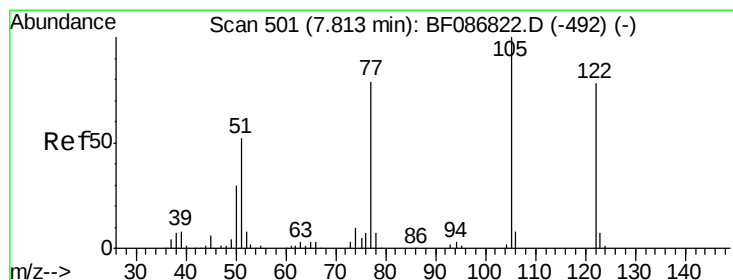
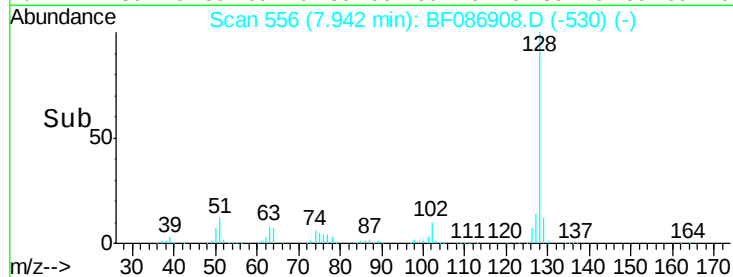
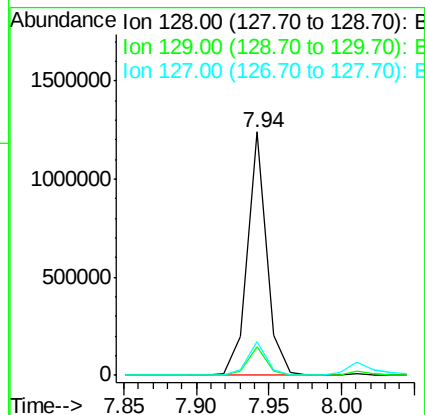
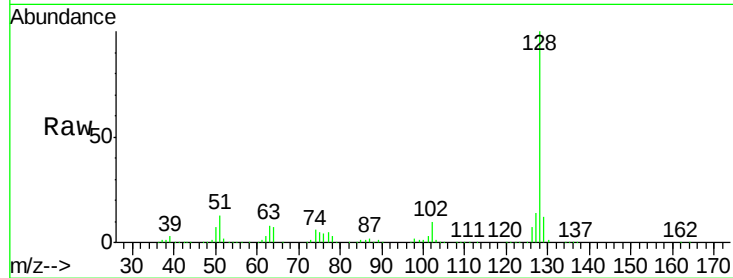
#31
Naphthalene
Concen: 38.04 ng
RT: 7.94 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion:128 Resp: 1147802
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.7 10.8 16.2

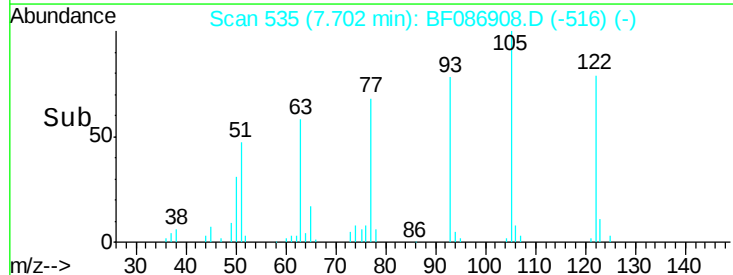
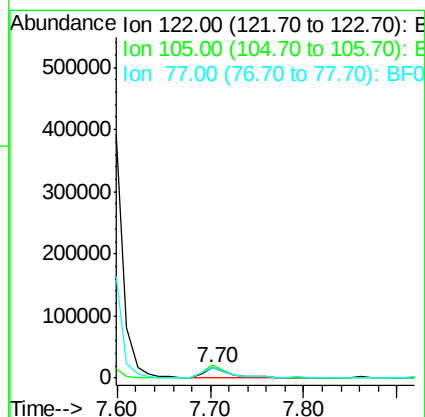
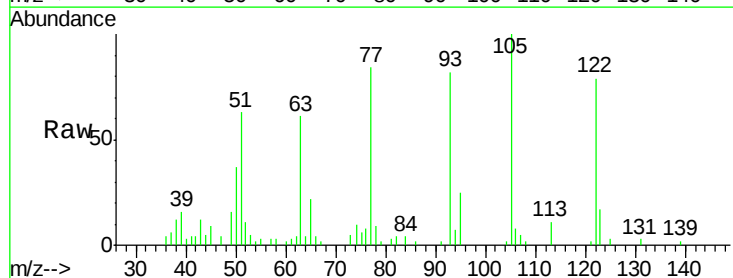
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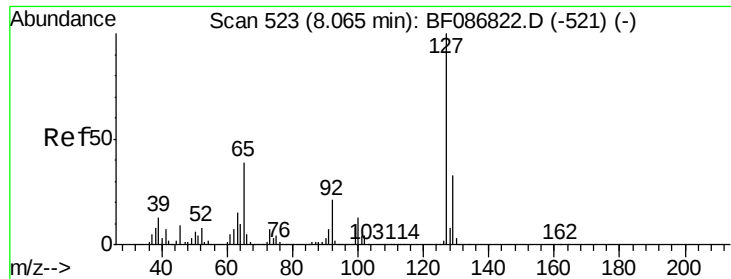
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#32
Benzoic acid
Concen: 5.96 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.08 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion:122 Resp: 32364
Ion Ratio Lower Upper
122 100
105 126.0 92.6 132.6
77 105.2 60.0 100.0#





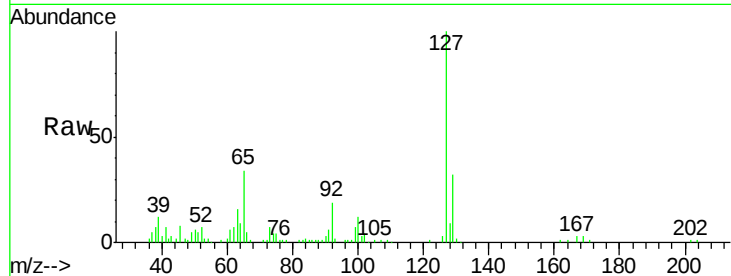
#33
4-Chloroaniline
Concen: 9.14 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	107202		
129	32.2	26.2	39.4	
65	33.9	23.0	34.4	
92	18.6	15.1	22.7	

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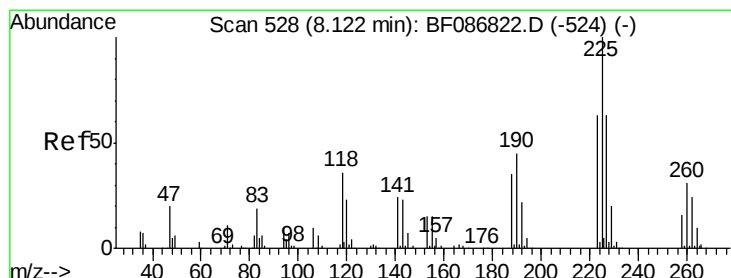
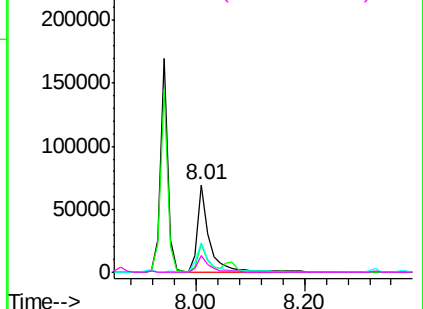
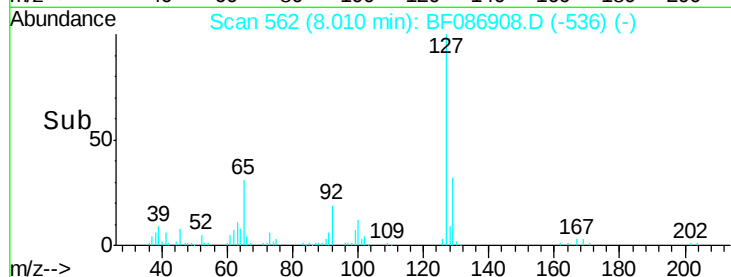
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

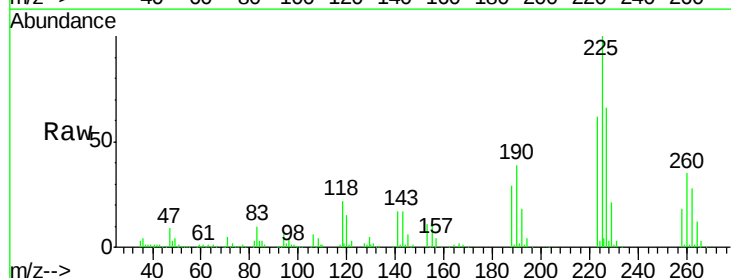
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34
Hexachlorobutadiene
Concen: 37.78 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199338		
223	61.5	51.5	77.3	
227	65.7	52.2	78.2	

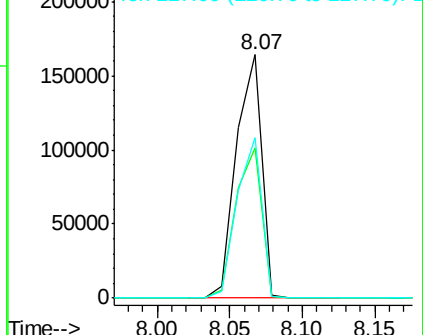
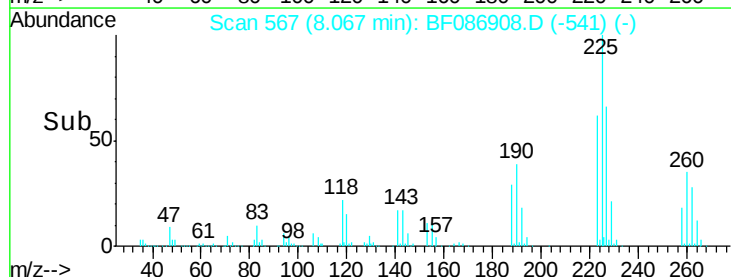


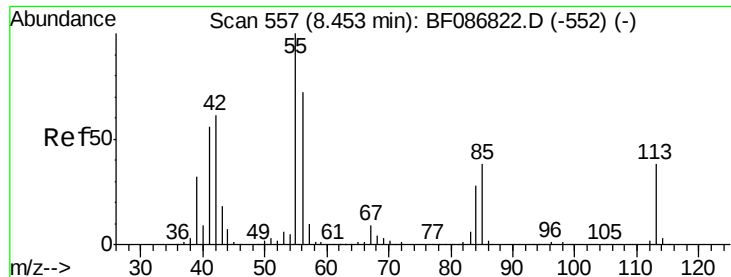
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





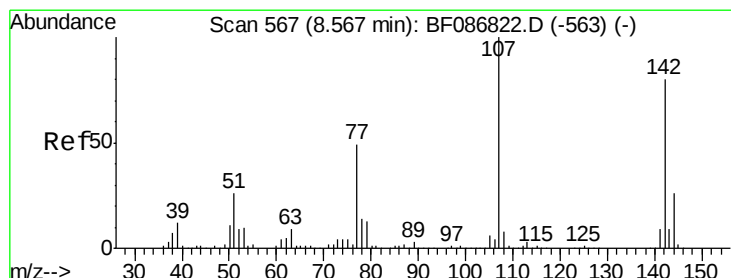
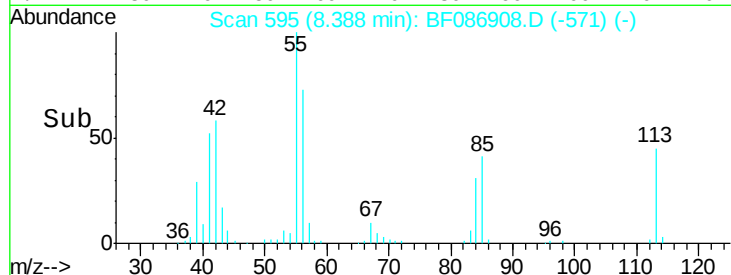
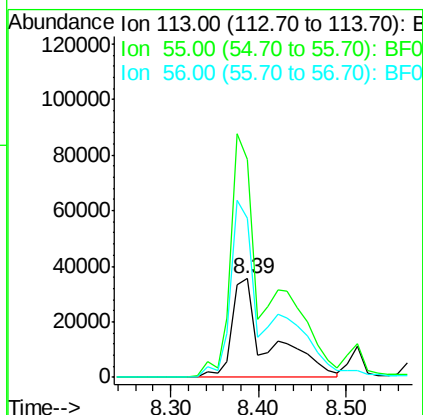
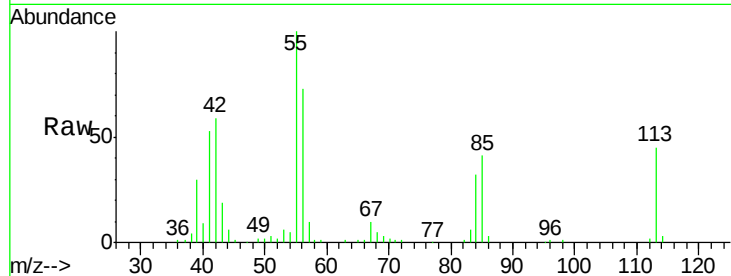
#35
 Caprolactam
 Concen: 36.78 ng m
 RT: 8.39 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion:113 Resp: 101776
 Ion Ratio Lower Upper
 113 100
 55 221.3 162.0 202.0#
 56 161.7 115.3 155.3#

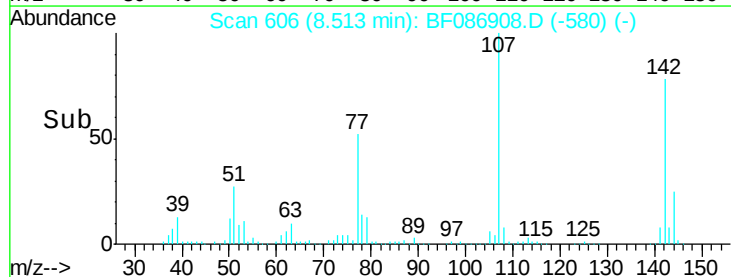
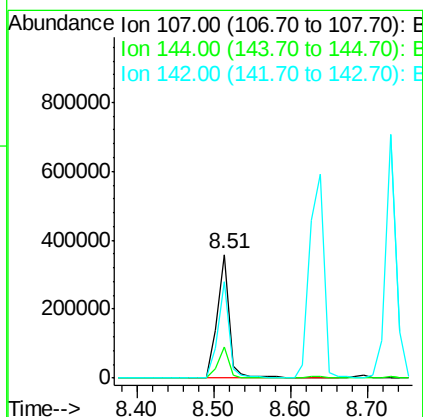
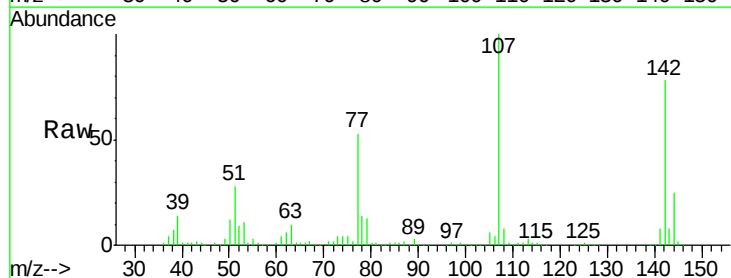
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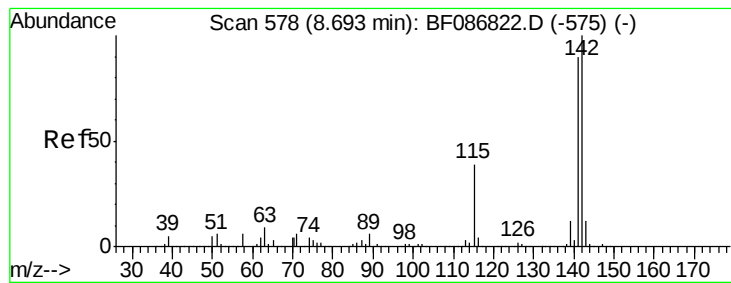
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#36
 4-Chloro-3-methylphenol
 Concen: 39.58 ng
 RT: 8.51 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion:107 Resp: 390387
 Ion Ratio Lower Upper
 107 100
 144 25.1 20.7 31.1
 142 77.7 63.2 94.8





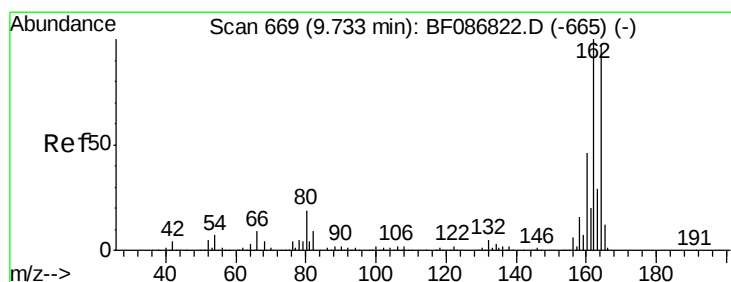
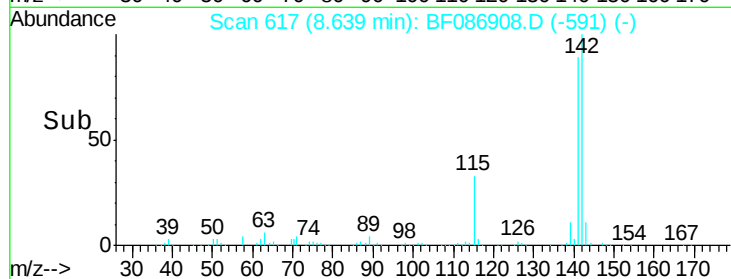
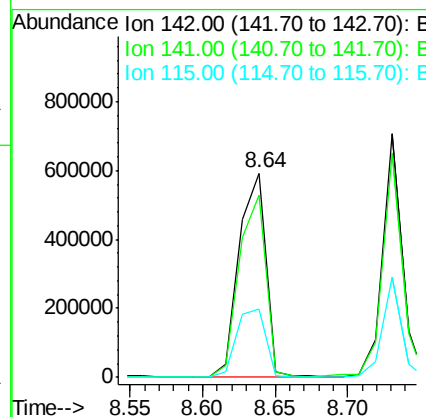
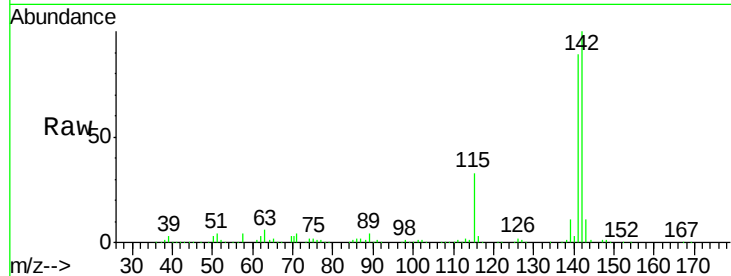
#37
2-Methylnaphthalene
Concen: 43.09 ng
RT: 8.64 min Scan# 617
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	760124		
141	89.1	71.0	106.6	
115	33.4	26.6	39.8	

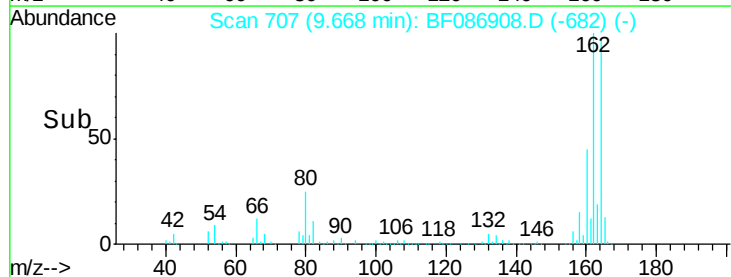
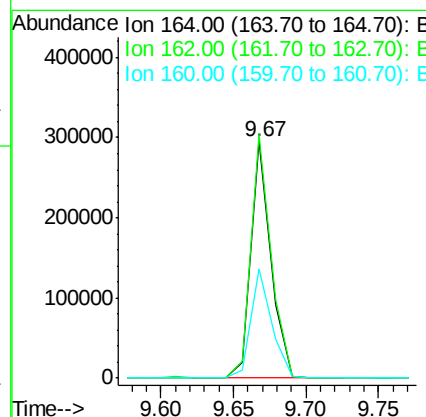
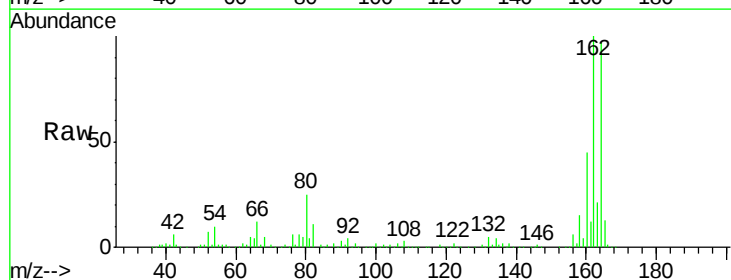
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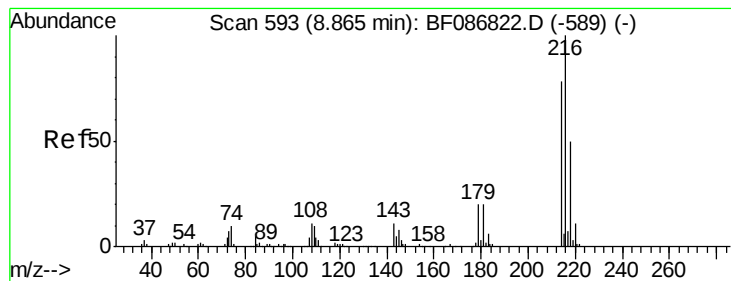
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	281416		
162	102.7	82.8	124.2	
160	46.2	36.9	55.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.01 ng

RT: 8.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: BF086908.D

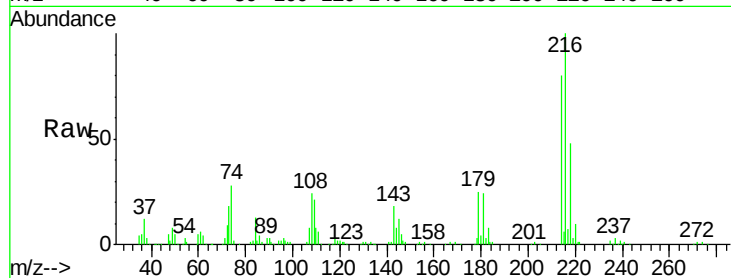
Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS



Tgt Ion: 216 Resp: 302803

Ion Ratio Lower Upper

216 100

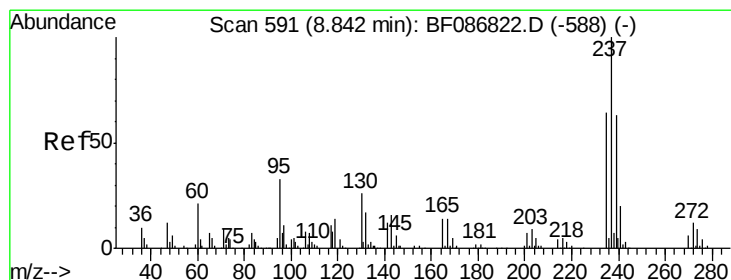
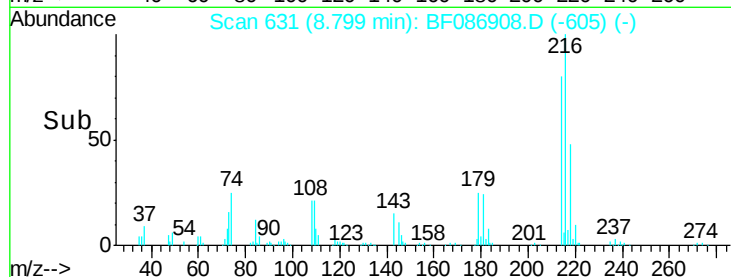
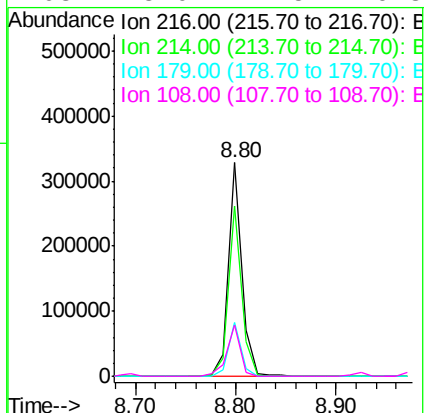
214 79.4 62.6 93.8

179 23.7 18.2 27.4

108 25.0 17.5 26.3

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#40

Hexachlorocyclopentadiene

Concen: 50.04 ng

RT: 8.79 min Scan# 630

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

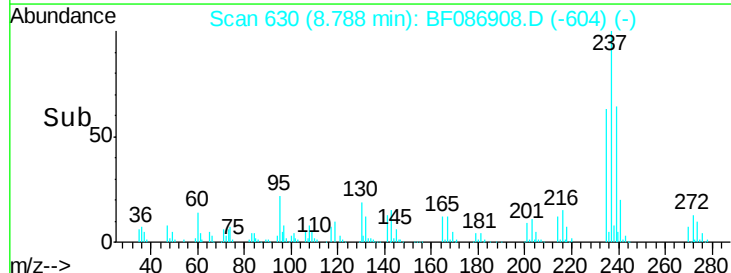
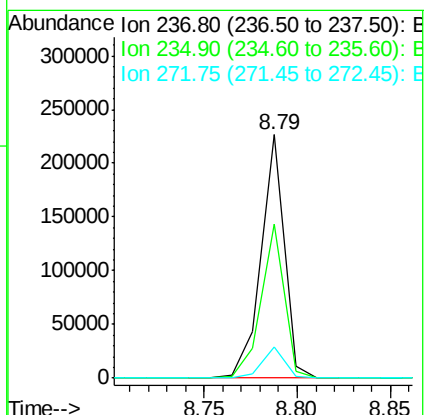
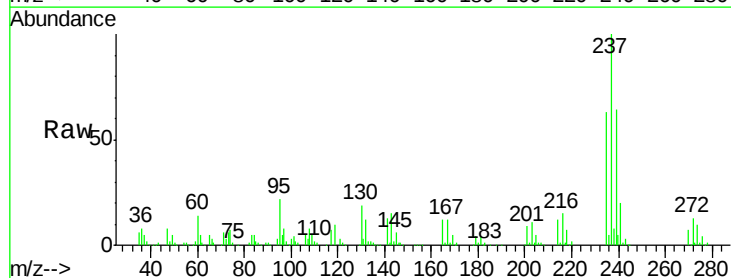
Tgt Ion: 237 Resp: 194346

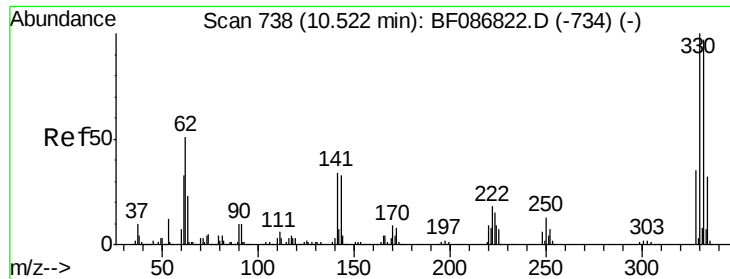
Ion Ratio Lower Upper

237 100

235 63.3 47.2 87.2

272 12.9 0.0 31.1





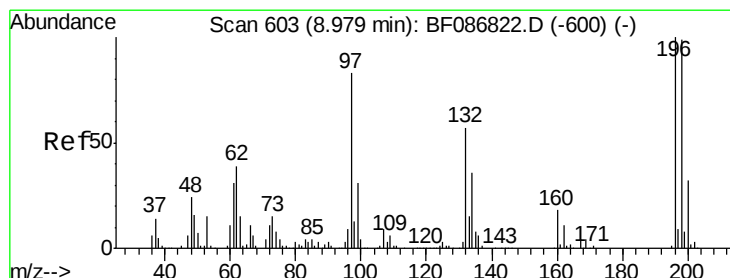
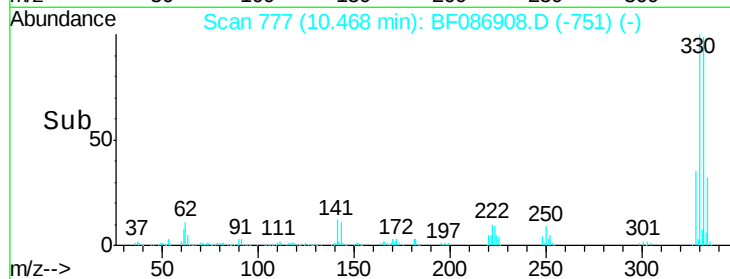
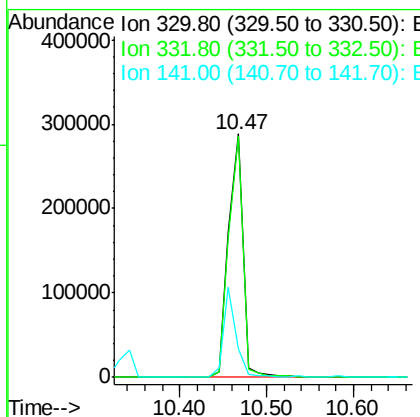
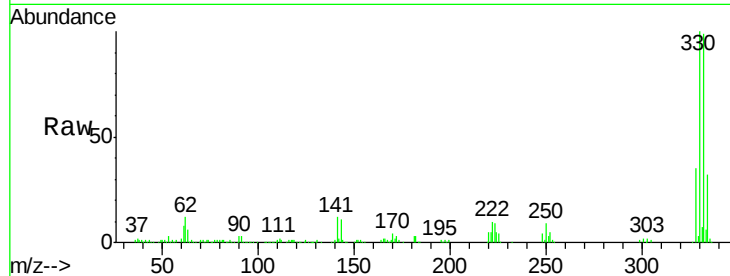
#41
 2,4,6-Tribromophenol
 Concen: 113.85 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	339182		
332	97.5	79.0	118.4	
141	32.2	31.2	46.8	

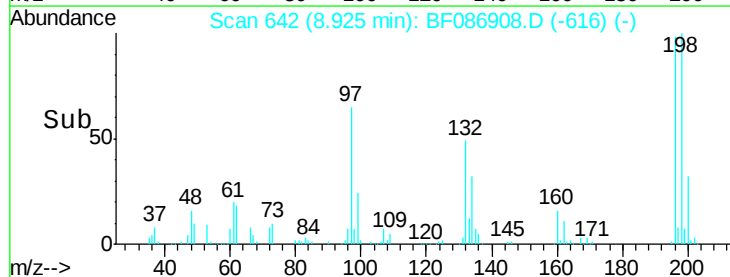
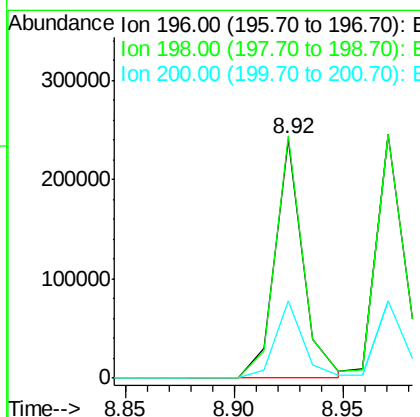
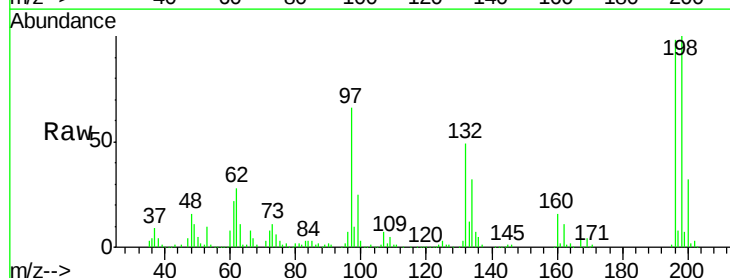
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#42
 2,4,6-Trichlorophenol
 Concen: 39.76 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

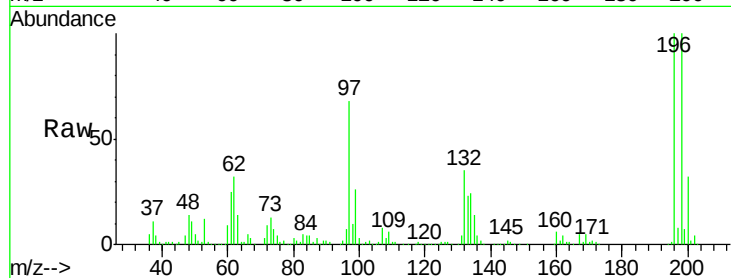
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	217531		
198	101.6	74.7	112.1	
200	32.4	23.8	35.6	





#43
 2,4,5-Trichlorophenol
 Concen: 40.20 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

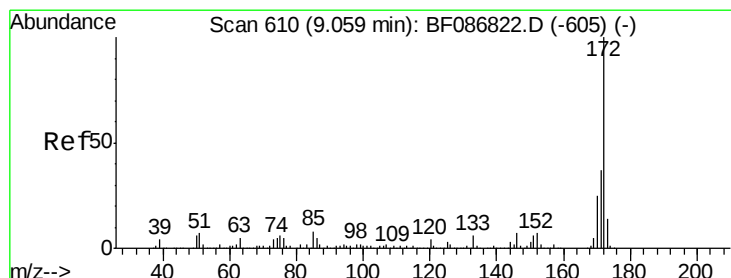
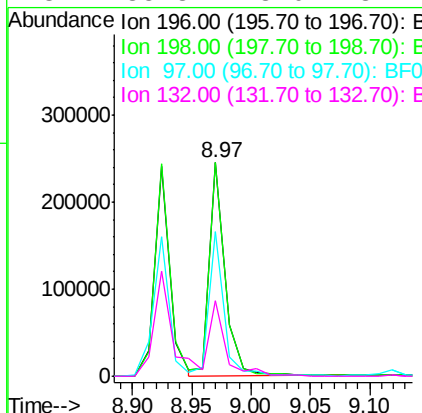
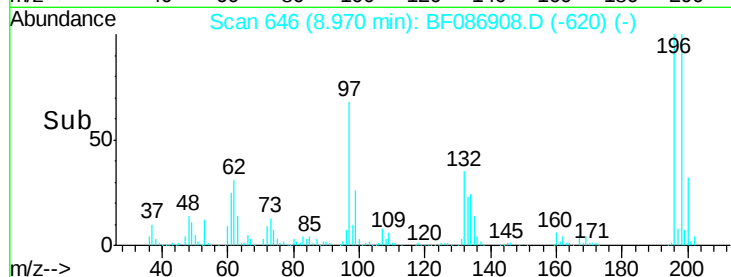
Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	227444		
198	100.0	77.5	116.3	
97	67.8	34.8	52.2	#
132	35.3	23.0	34.4	#

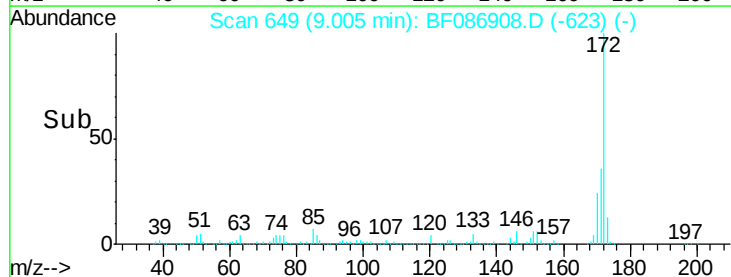
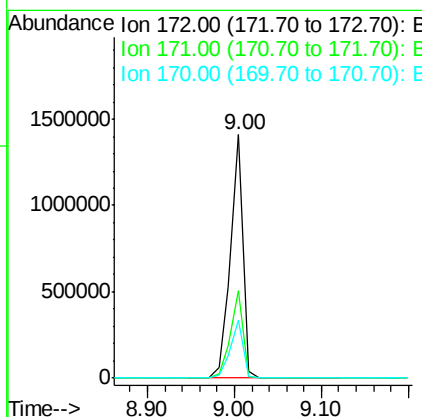
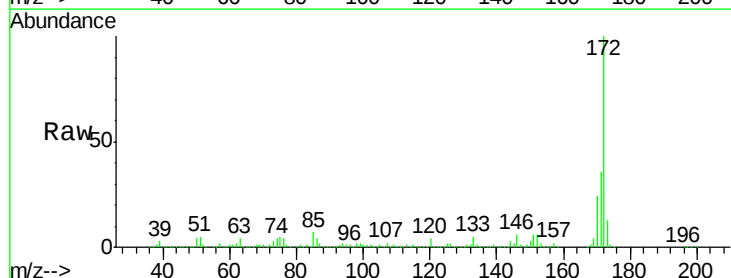
Manual Integrations
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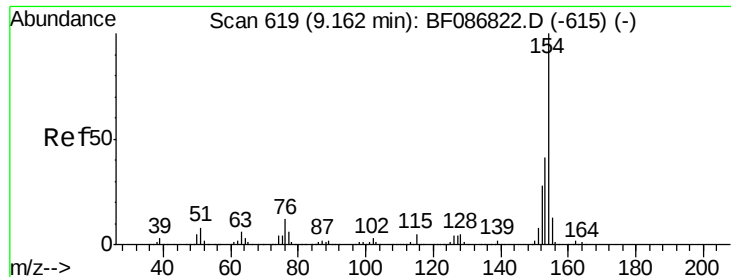
umangi
 5/12/2016 9:10:06 AM



#44
 2-Fluorobiphenyl
 Concen: 83.87 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1404394		
171	36.1	29.0	43.6	
170	24.1	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 38.21 ng

RT: 9.10 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

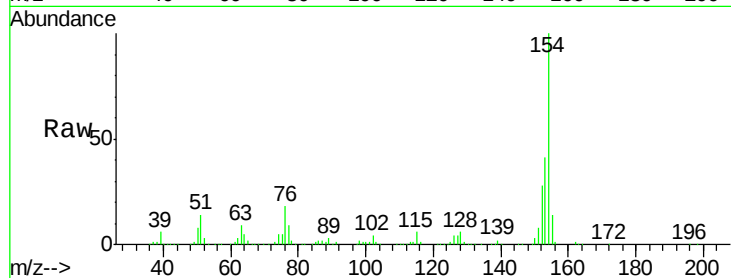
ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:	154	Resp:	855323
Ion Ratio	Lower	Upper	
154	100		
153	41.1	20.3	60.3
76	17.7	0.0	30.2

Manual Integrations
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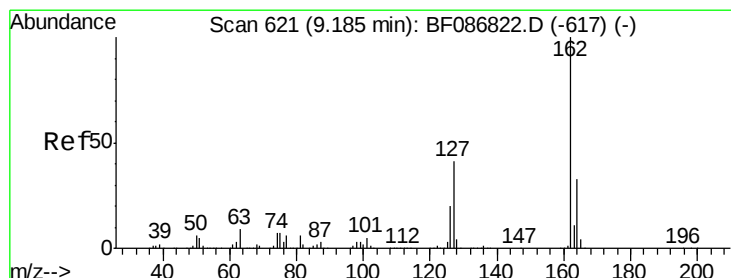
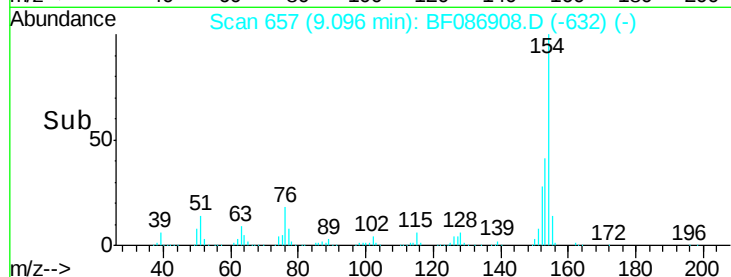
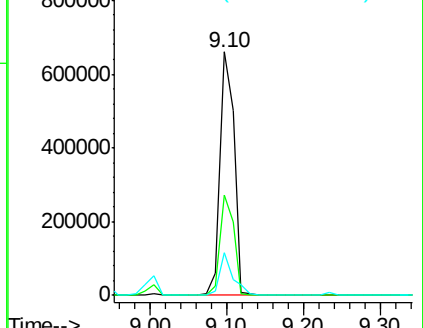
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 37.25 ng

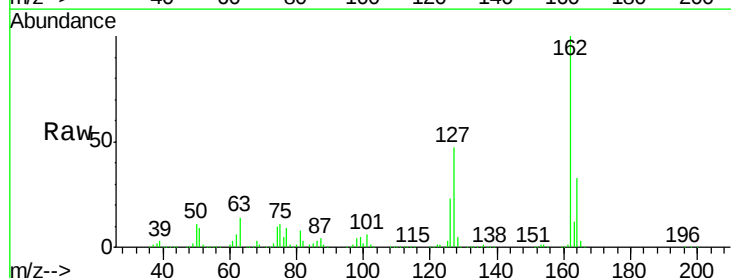
RT: 9.12 min Scan# 659

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

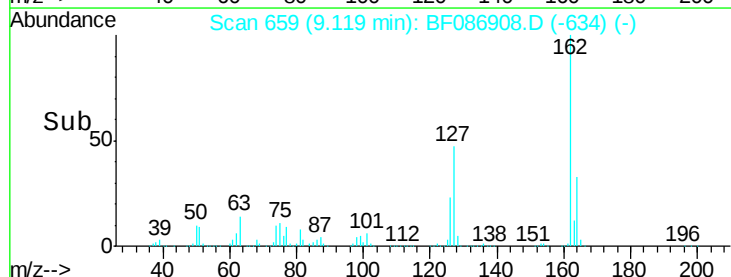
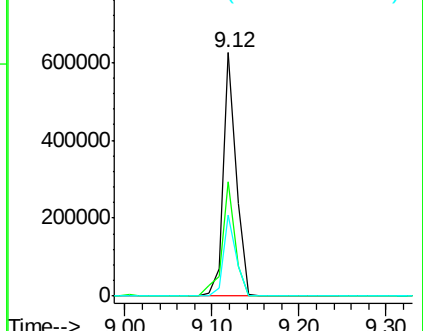
Tgt Ion:	162	Resp:	653234
Ion Ratio	Lower	Upper	
162	100		
127	47.0	31.8	47.6
164	33.1	27.0	40.6

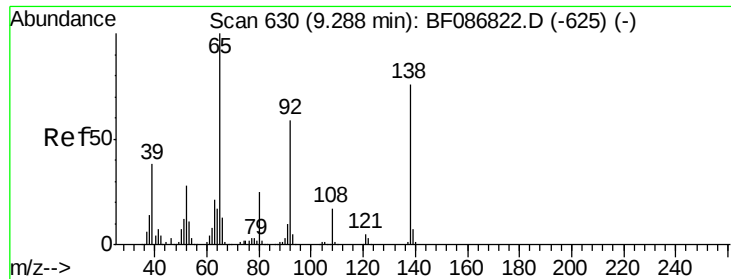


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





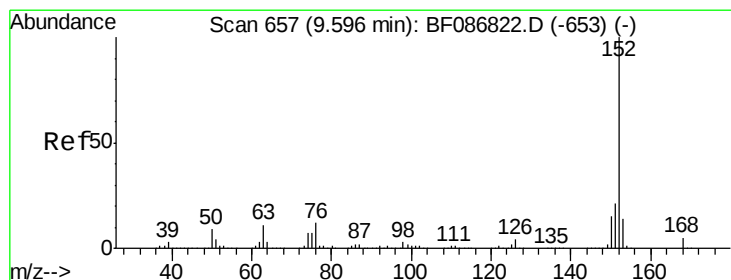
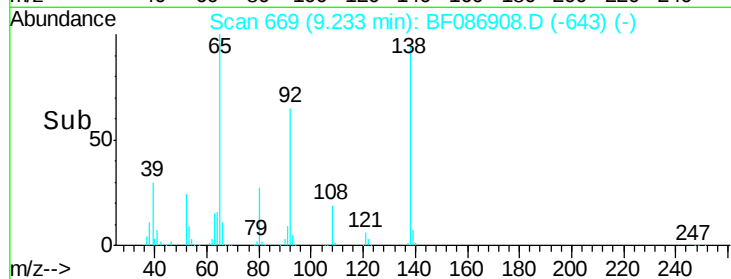
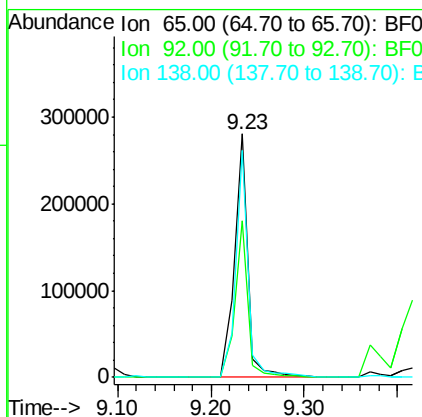
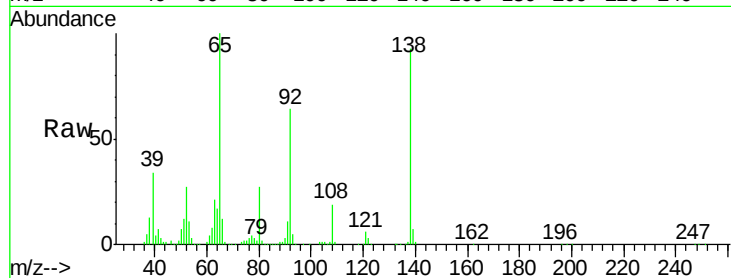
#47
 2-Nitroaniline
 Concen: 44.62 ng
 RT: 9.23 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	285971		
92	64.2	57.4	86.2	
138	93.4	90.1	135.1	

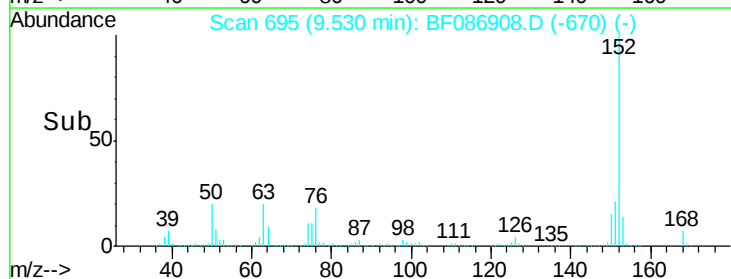
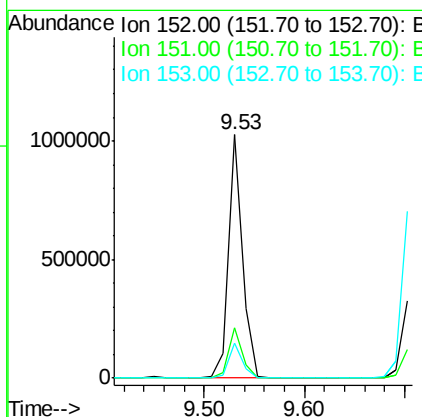
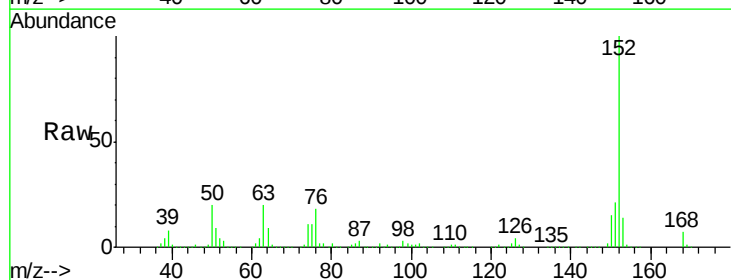
Manual Integrations
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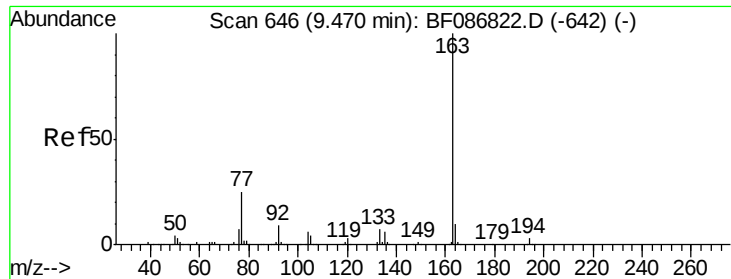
umangi
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#48
 Acenaphthylene
 Concen: 38.50 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	993204		
151	20.6	16.8	25.2	
153	14.4	10.9	16.3	





#49

Dimethylphthalate

Concen: 48.54 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:163 Resp: 1042081

Ion Ratio Lower Upper

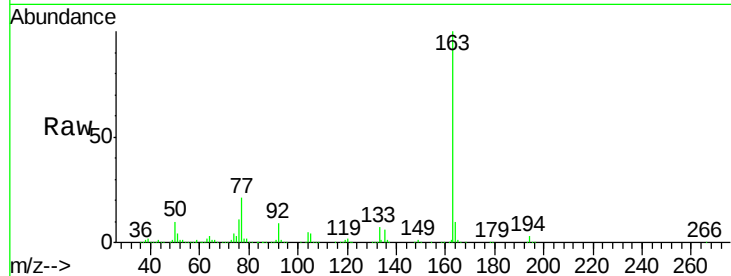
163 100

194 3.3 2.6 4.0

164 9.9 8.2 12.4

Manual Integrations
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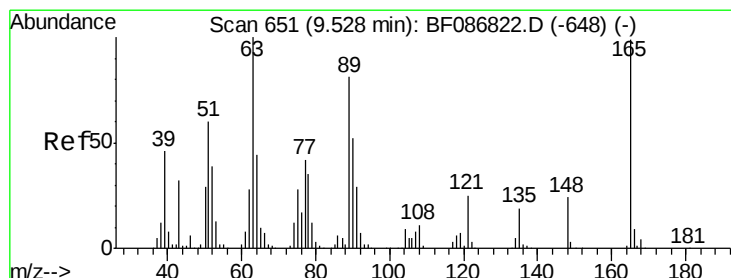
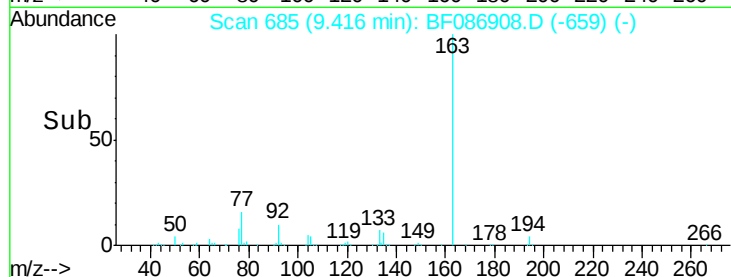
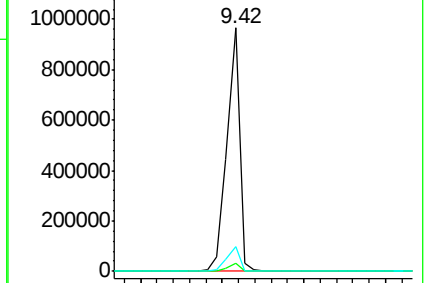
umangi
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 39.14 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

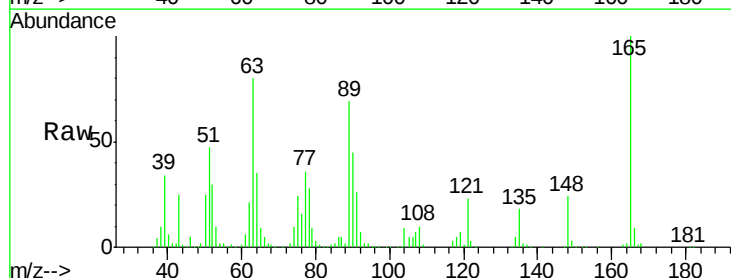
Tgt Ion:165 Resp: 176861

Ion Ratio Lower Upper

165 100

63 79.6 51.8 77.8#

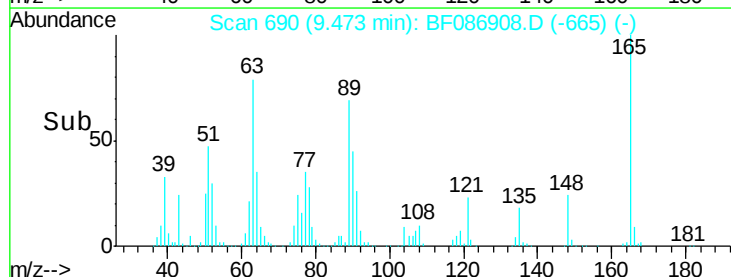
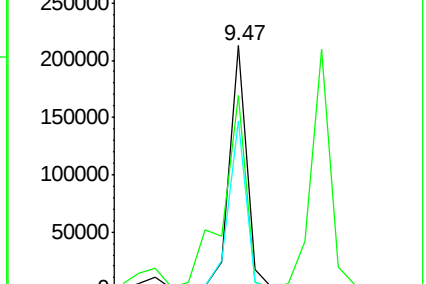
89 69.2 50.7 76.1

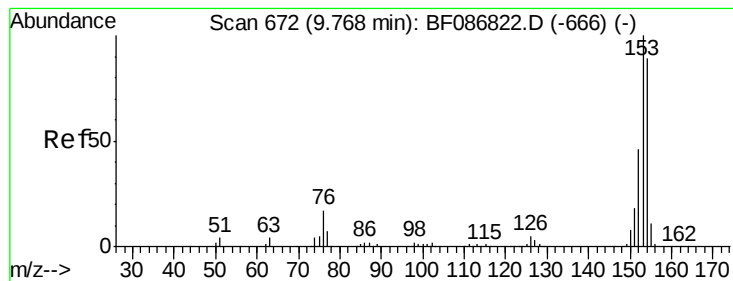


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.06 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF086908.D

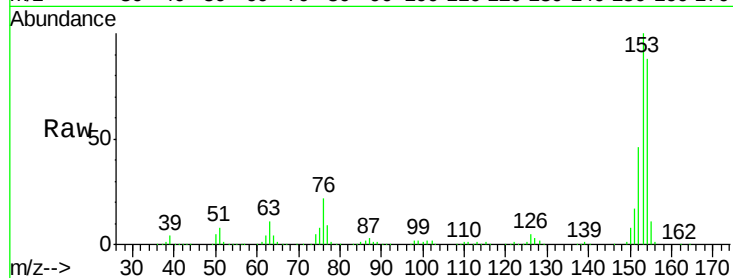
Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

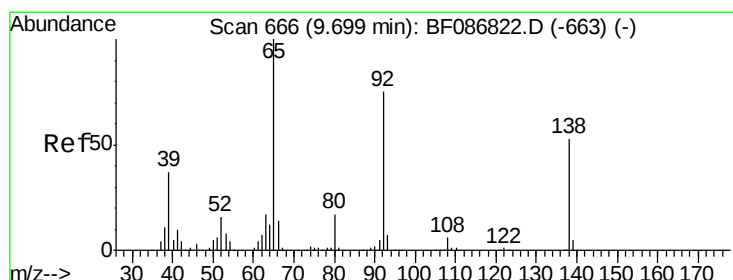
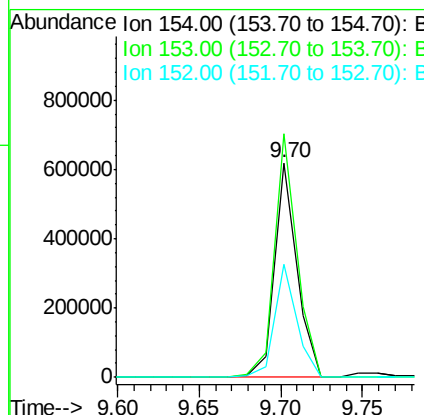
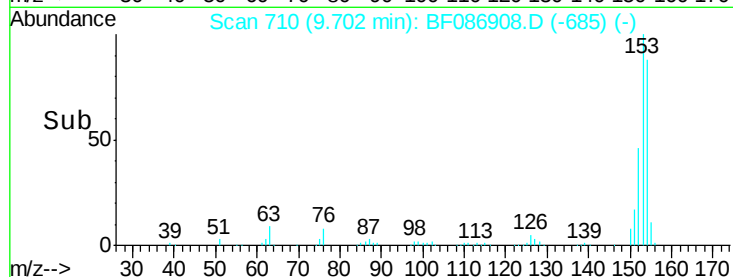
E-19(11.5-12)MS



Tgt Ion:	154	Resp:	594654
Ion Ratio	Lower	Upper	
154	100		
153	113.6	89.8	134.6
152	52.6	43.4	65.0

Manual Integrations
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#52

3-Nitroaniline

Concen: 22.76 ng

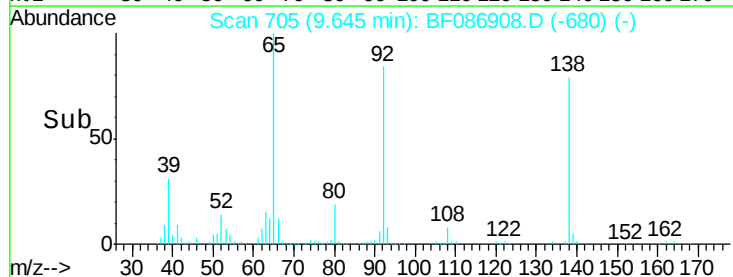
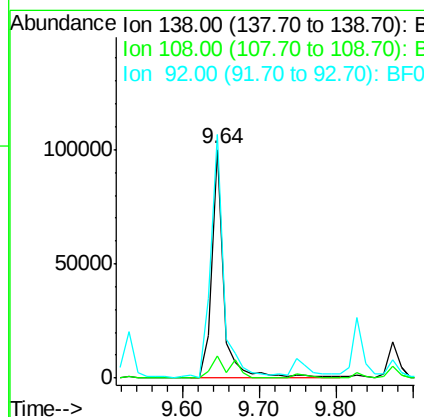
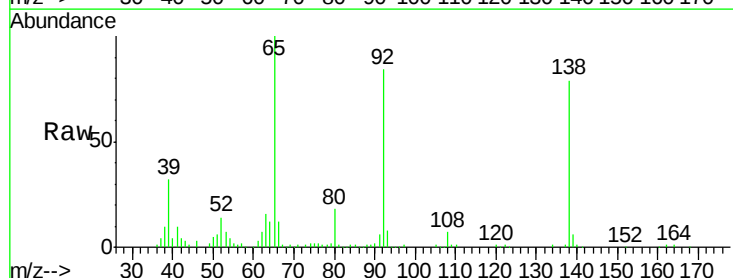
RT: 9.64 min Scan# 705

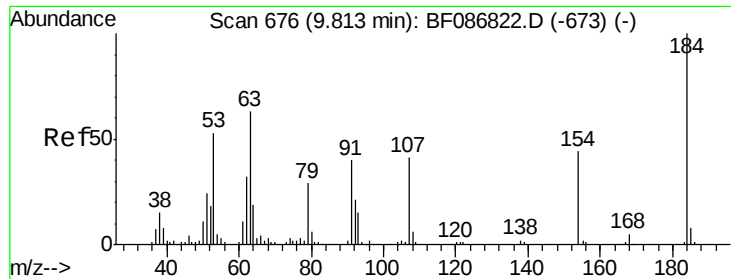
Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	138	Resp:	108266
Ion Ratio	Lower	Upper	
138	100		
108	9.4	7.8	11.6
92	106.4	87.8	131.8





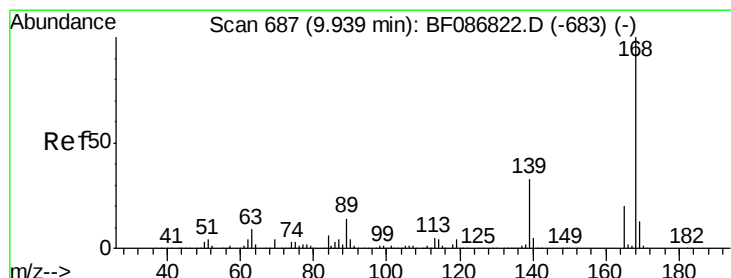
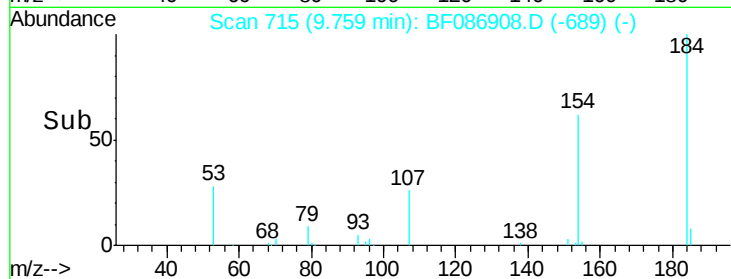
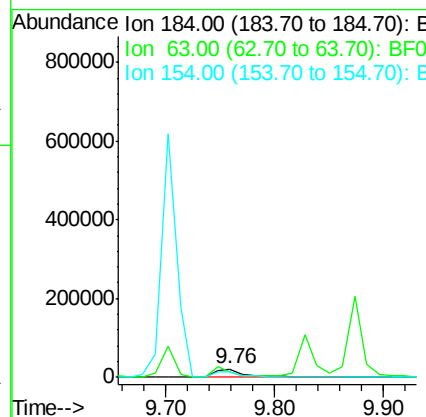
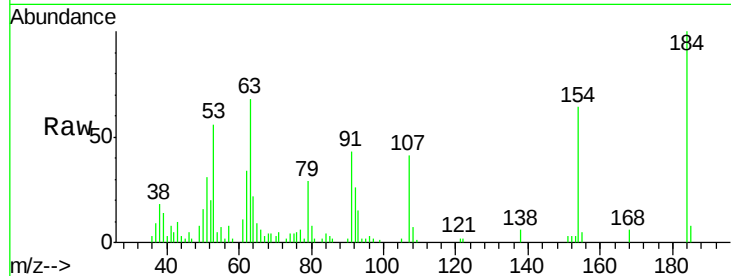
#53
 2,4-Dinitrophenol
 Concen: 24.00 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	41660		
63	68.3	55.8	83.8	
154	64.1	62.4	93.6	

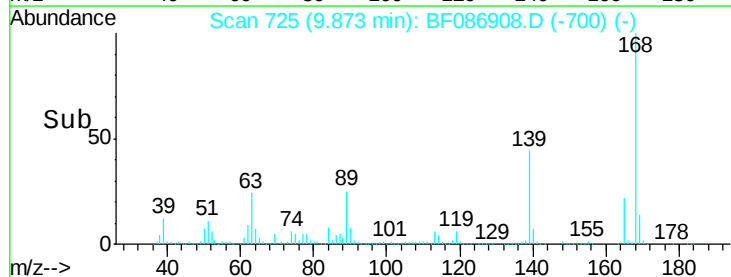
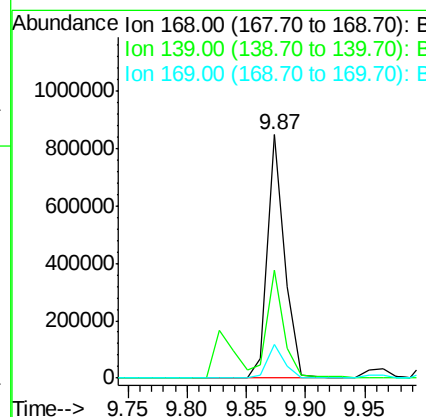
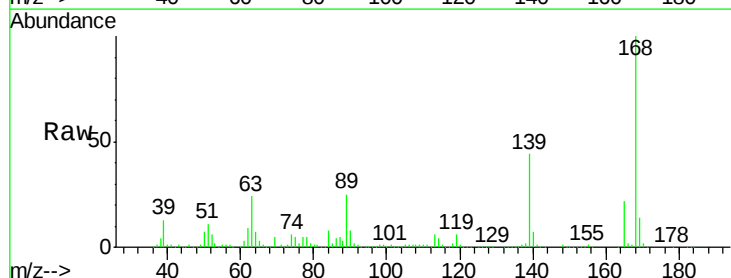
Manual Integrations
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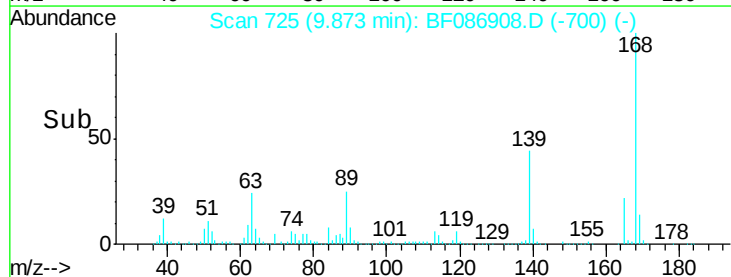
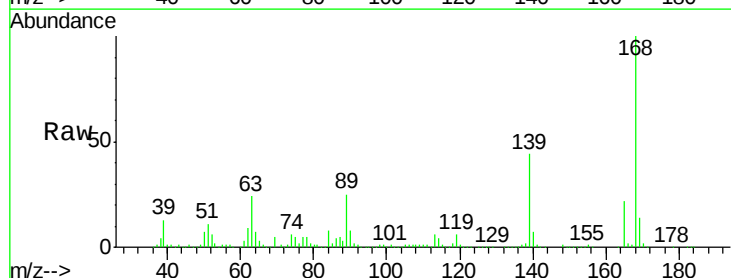
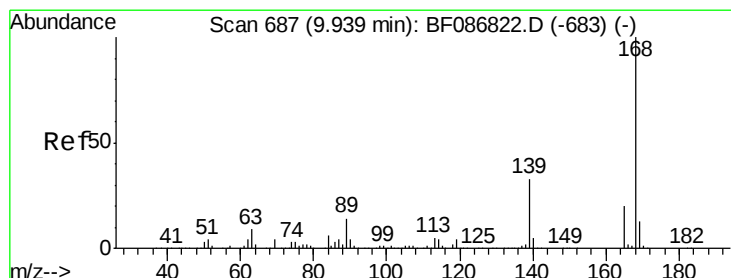
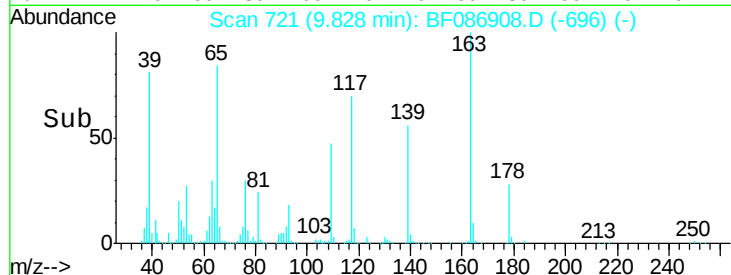
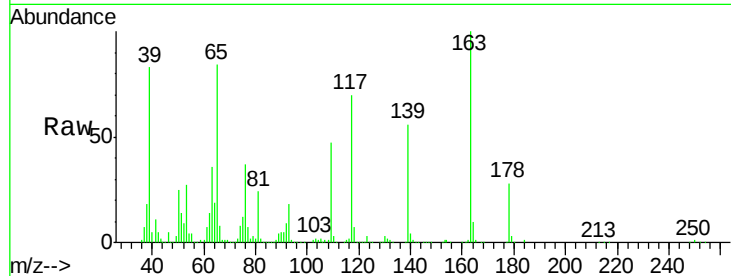
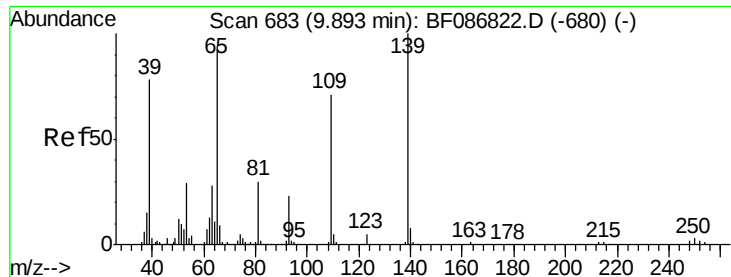
umangi
 5/12/2016 9:10:06 AM



#54
 Dibenzofuran
 Concen: 42.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	865070		
139	44.3	31.4	47.0	
169	13.9	10.7	16.1	





#55

4-Nitrophenol

Concen: 63.57 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF086908.D

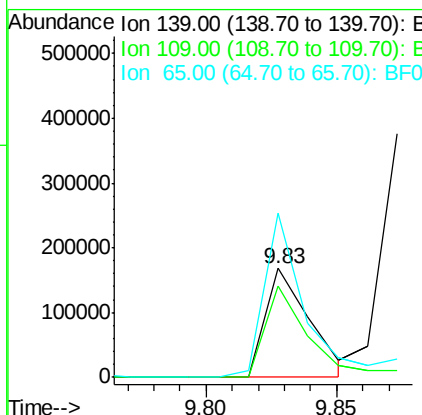
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	198476		
109	83.8	36.9	76.9#	
65	150.2	64.0	104.0#	

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Manual Integrations
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#56

2,4-Dinitrotoluene

Concen: 36.29 ng

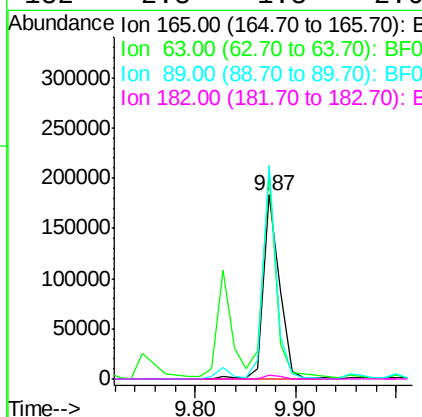
RT: 9.87 min Scan# 725

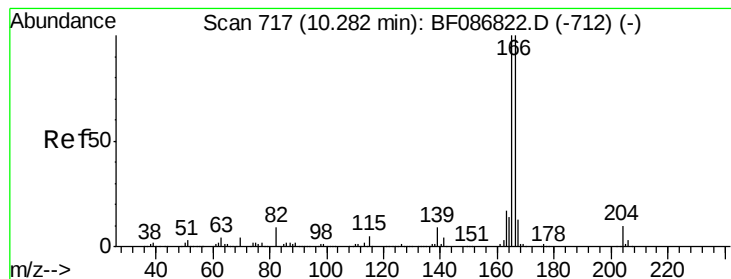
Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	202941		
63	111.8	44.3	66.5#	
89	116.0	70.0	105.0#	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 37.73 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086908.D

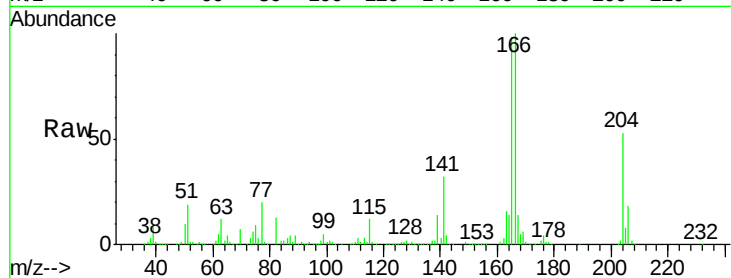
Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

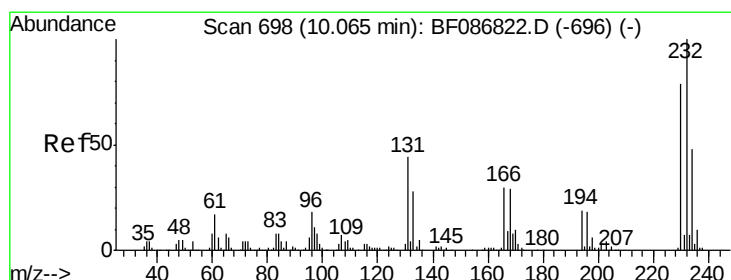
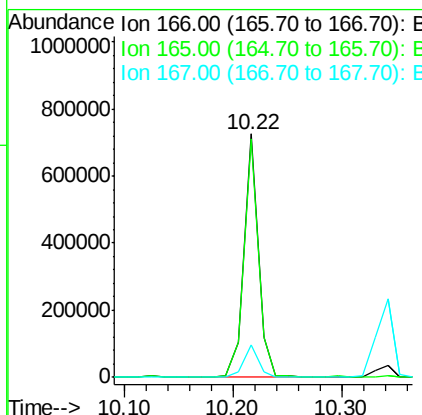
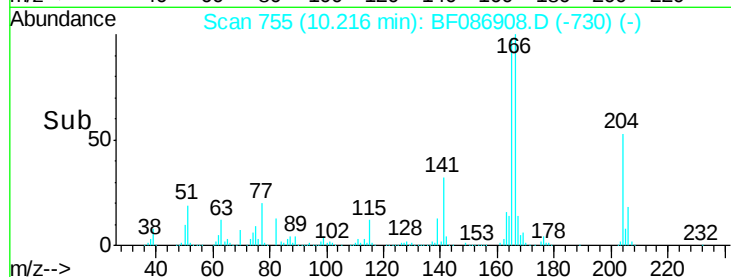
E-19(11.5-12)MS



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	662854		
165	98.1	79.0	118.6	
167	13.5	10.6	15.8	

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

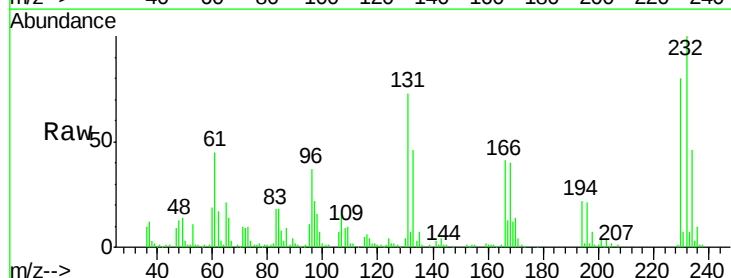
Concen: 42.19 ng

RT: 10.00 min Scan# 736

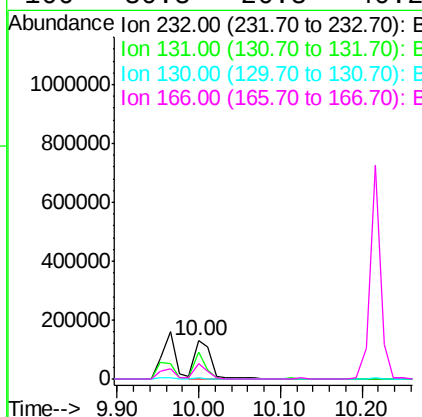
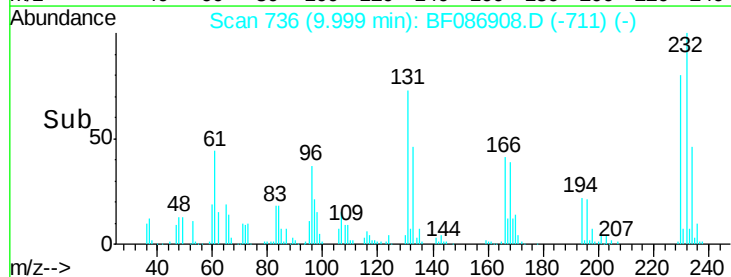
Delta R.T. -0.01 min

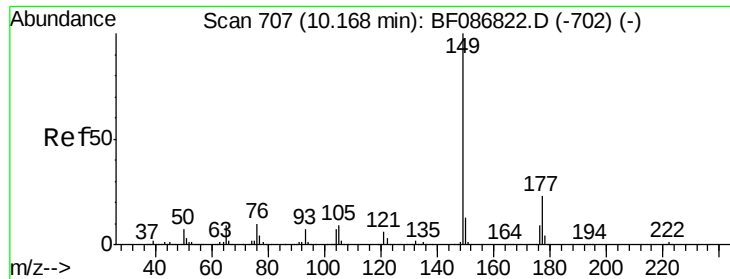
Lab File: BF086908.D

Acq: 12 May 2016 00:58



Tgt Ion	Ratio	Resp	Lower	Upper
232	100	179708		
131	50.8	41.9	62.9	
130	2.5	2.2	3.4	
166	30.8	26.8	40.2	





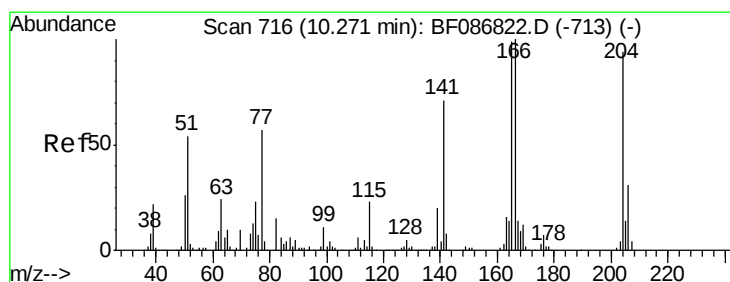
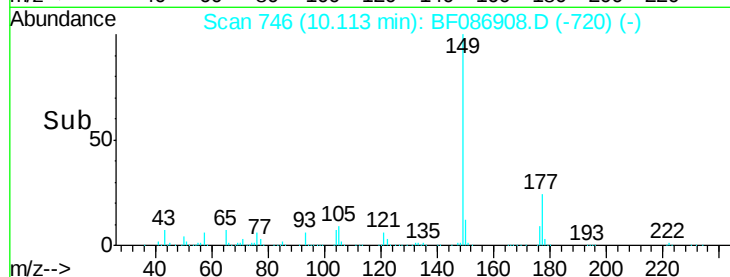
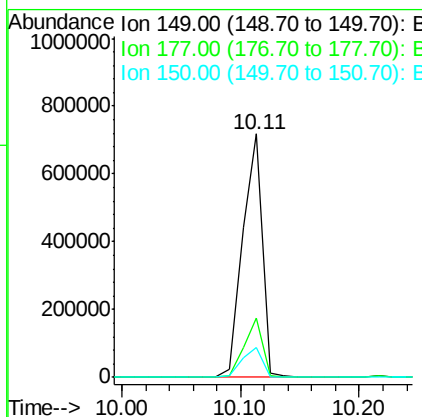
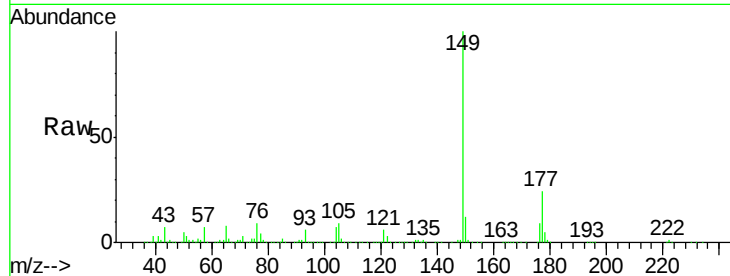
#59
Diethylphthalate
Concen: 39.66 ng
RT: 10.11 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	829690		
177	24.4	16.6	24.8	
150	12.4	10.0	15.0	

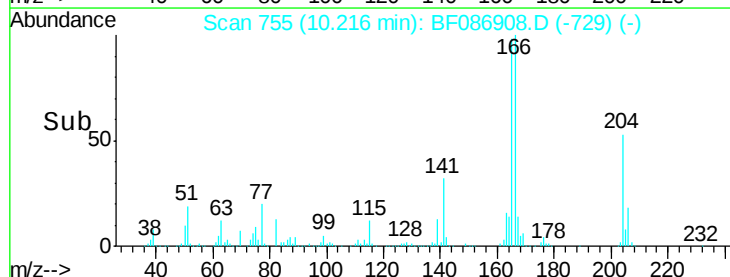
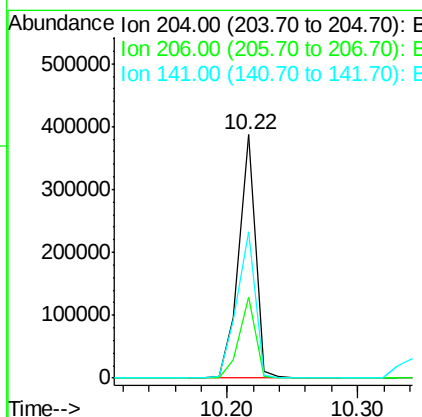
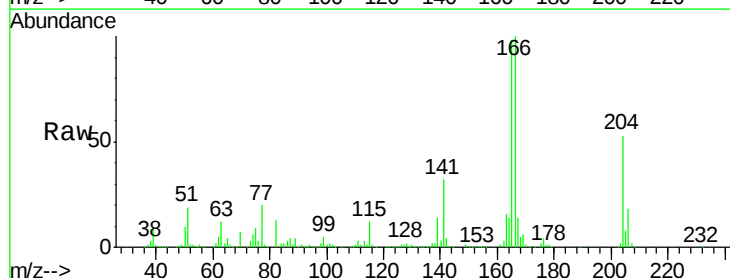
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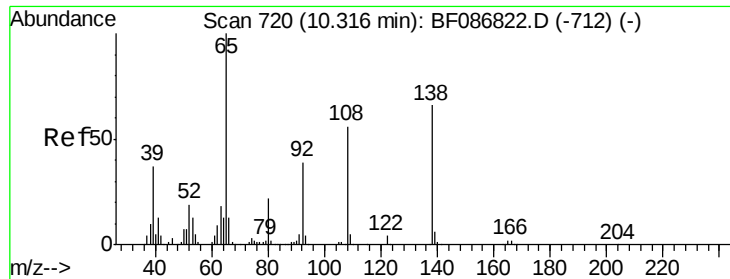
umangi
5/12/2016 9:10:06 AM



#60
4-Chlorophenyl-phenylether
Concen: 44.80 ng
RT: 10.22 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	342775		
206	33.3	25.4	38.0	
141	59.9	61.6	92.4#	





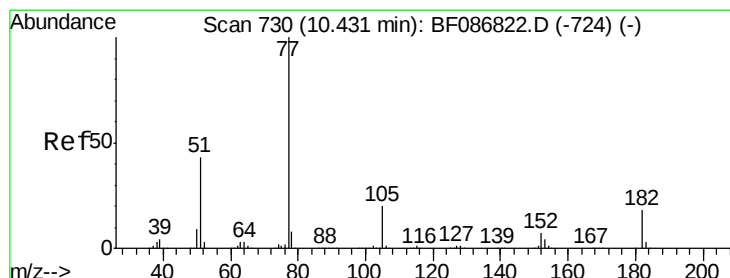
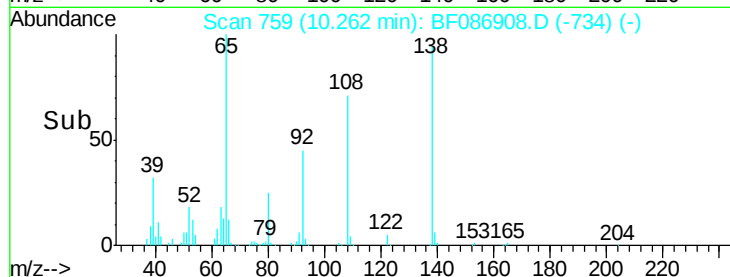
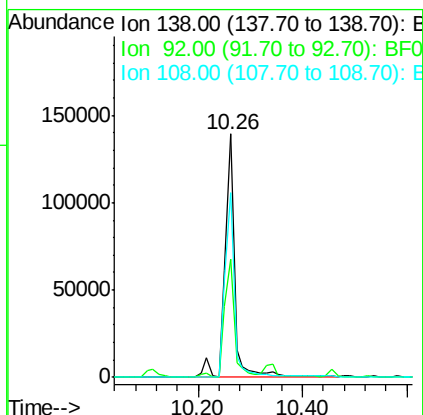
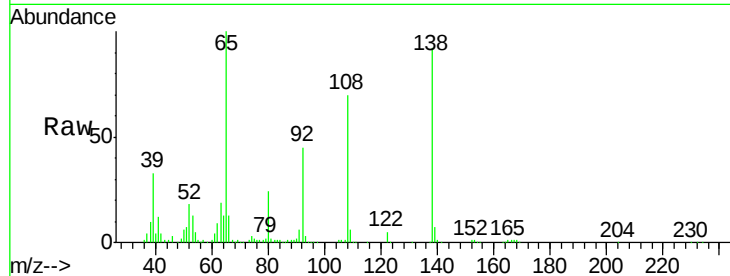
#61
4-Nitroaniline
Concen: 39.14 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.5	24.7	64.7
108	76.0	37.4	77.4

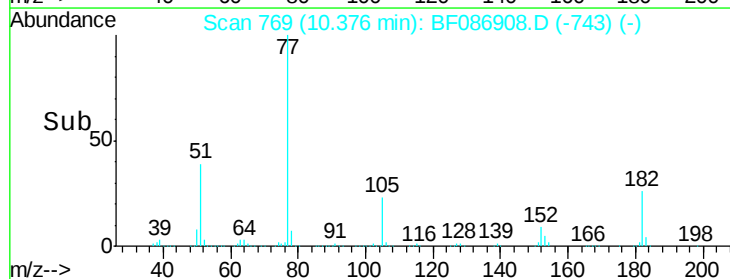
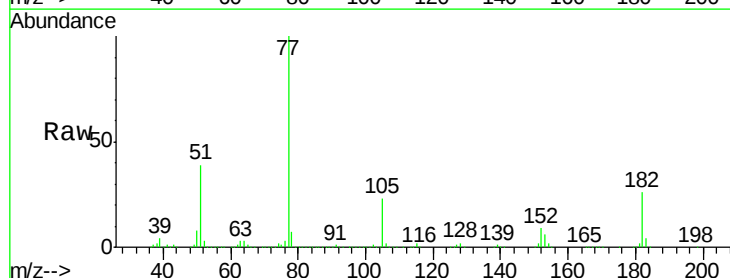
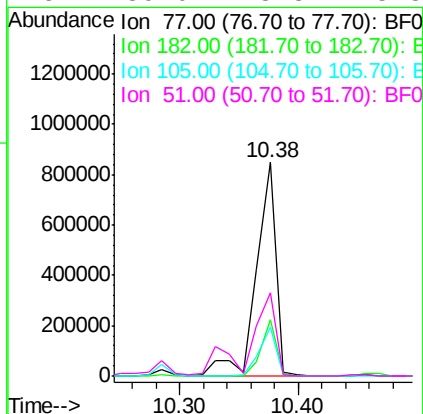
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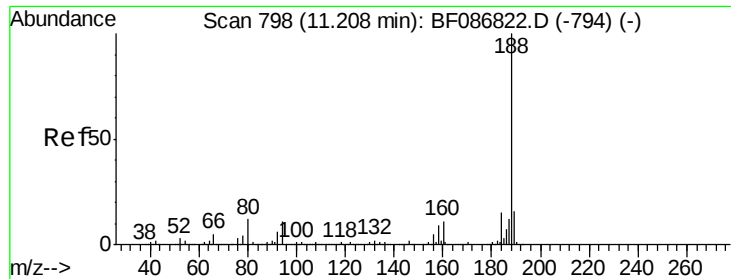
umangi
5/12/2016 9:10:06 AM



#62
Azobenzene
Concen: 43.32 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.3	0.0	38.8
105	22.6	3.2	43.2
51	39.0	8.8	48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

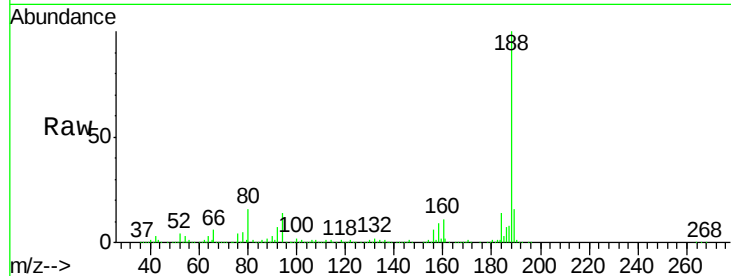
ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:	188	Resp:	502704
Ion Ratio	Lower	Upper	
188	100		
94	13.9	6.8	10.2#
80	15.7	7.1	10.7#

Manual Integrations
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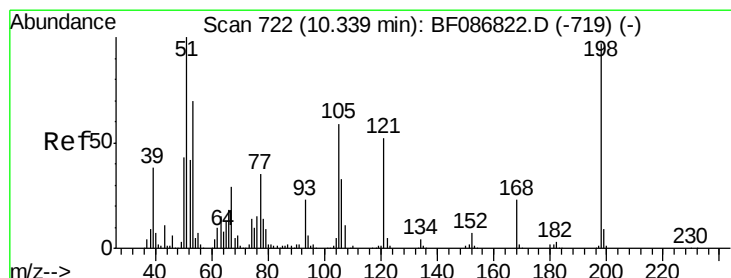
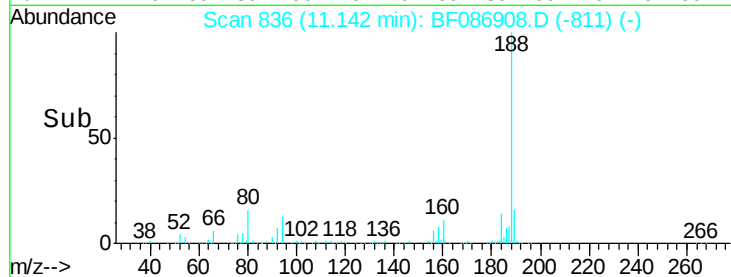
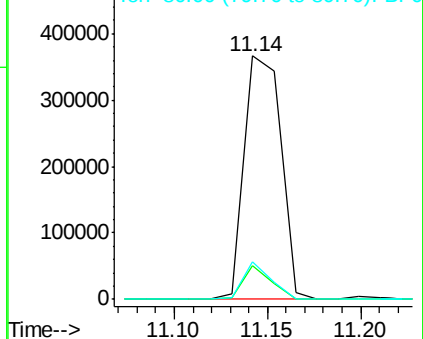
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 27.22 ng

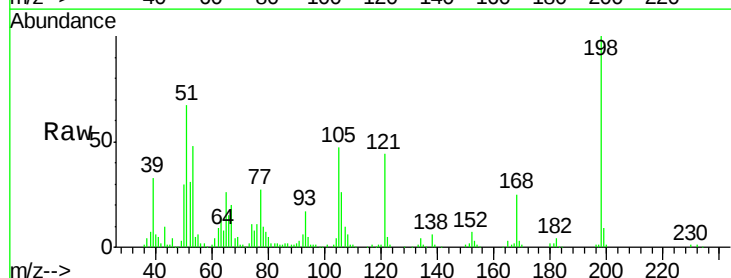
RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

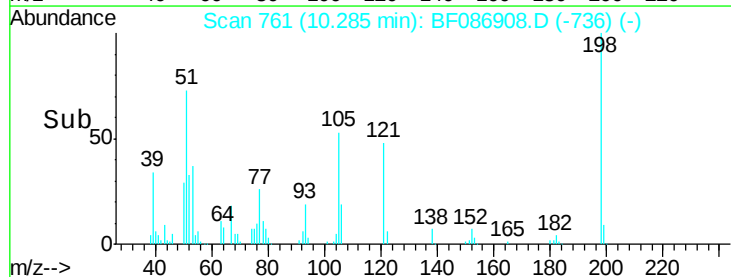
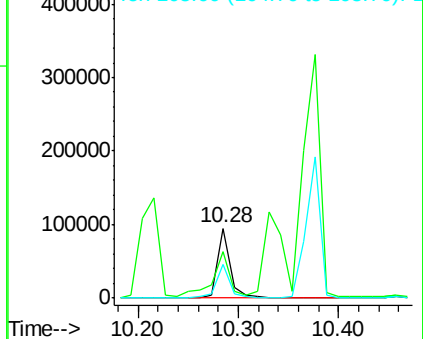
Tgt Ion:	198	Resp:	85016
Ion Ratio	Lower	Upper	
198	100		
51	67.0	20.5	60.5#
105	47.5	24.5	64.5

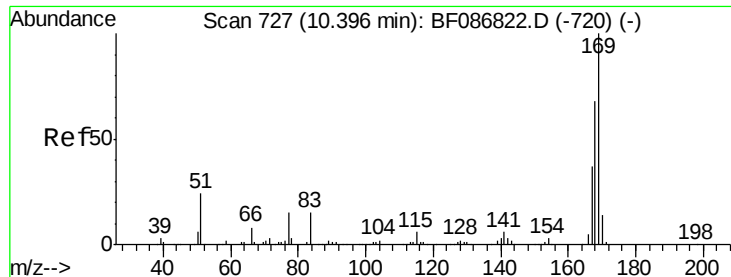


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 43.72 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

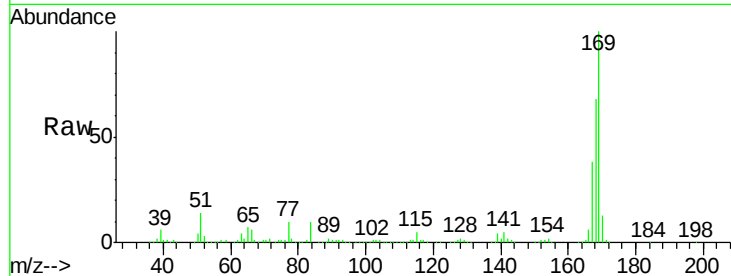
ClientSampleId :

E-19(11.5-12)MS

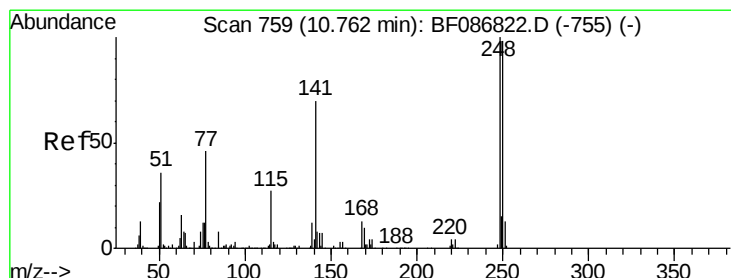
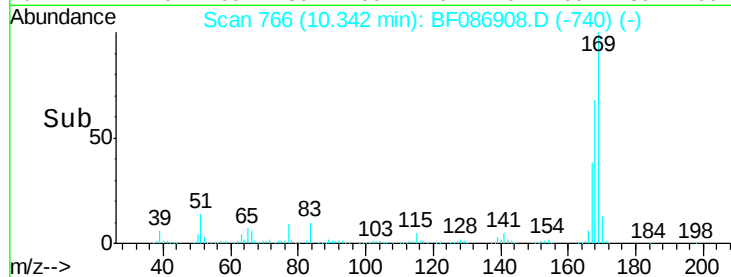
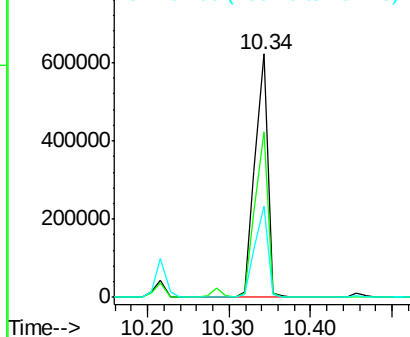
Tgt Ion:	169	Resp:	675221
Ion Ratio	Lower	Upper	
169	100		
168	67.9	53.8	80.6
167	37.6	29.5	44.3

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.06 ng

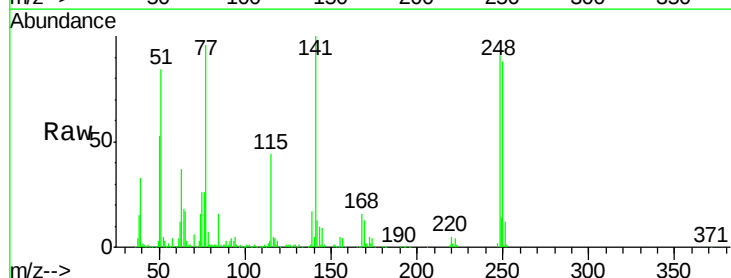
RT: 10.70 min Scan# 797

Delta R.T. -0.01 min

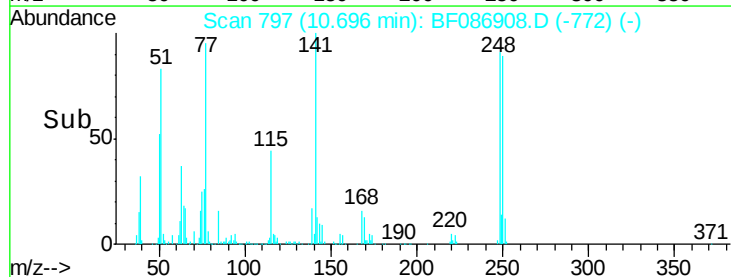
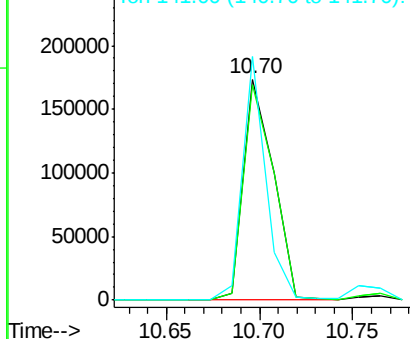
Lab File: BF086908.D

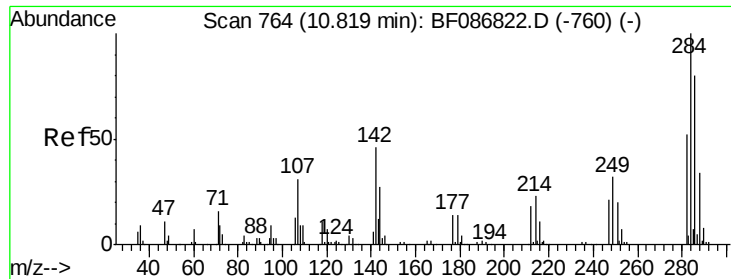
Acq: 12 May 2016 00:58

Tgt Ion:	248	Resp:	193973
Ion Ratio	Lower	Upper	
248	100		
250	97.5	78.6	117.8
141	110.2	76.0	114.0



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





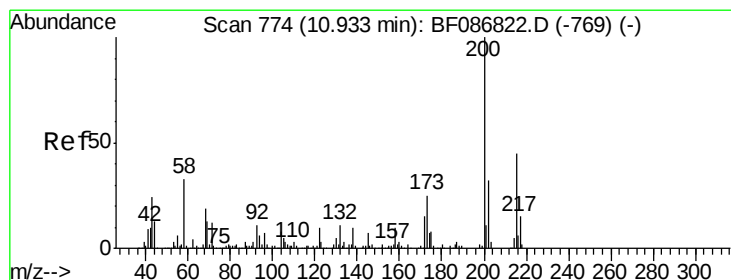
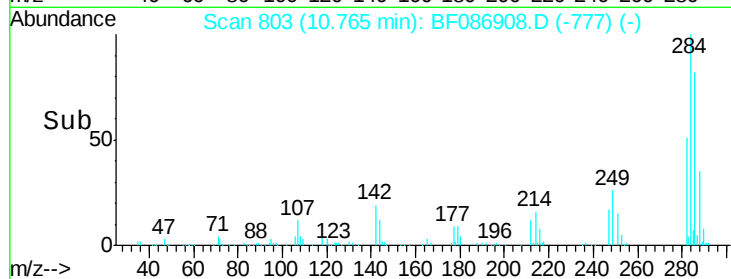
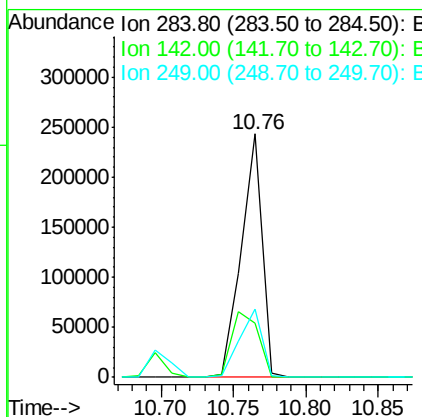
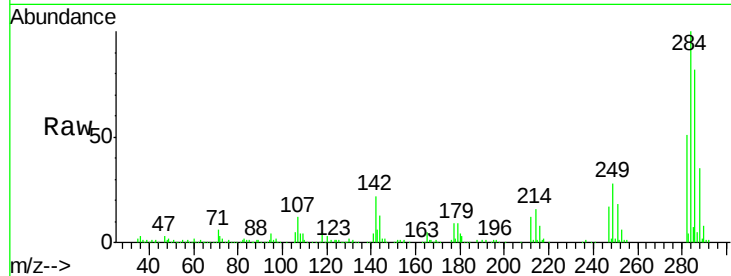
#67
Hexachlorobenzene
Concen: 40.99 ng
RT: 10.76 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	244188		
142	22.3	16.7	25.1	
249	27.9	21.3	31.9	

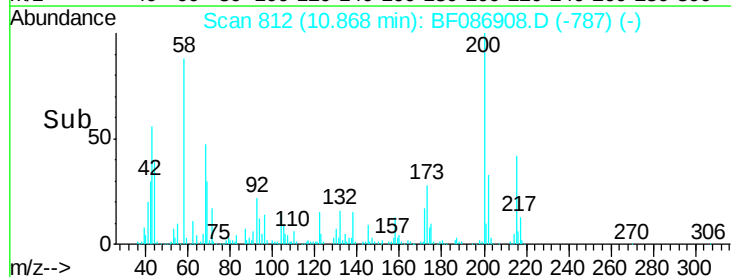
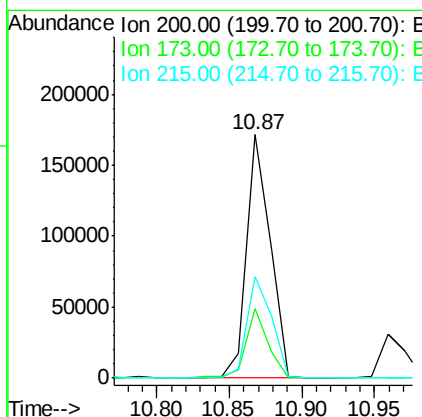
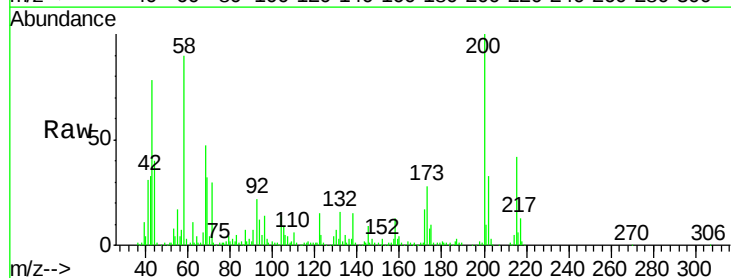
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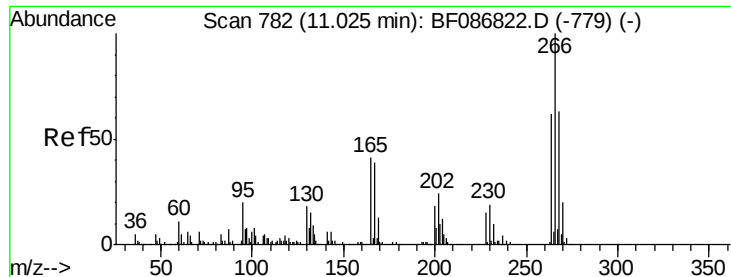
umangi
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#68
Atrazine
Concen: 37.73 ng
RT: 10.87 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	194648		
173	28.4	8.5	48.5	
215	41.9	27.2	67.2	





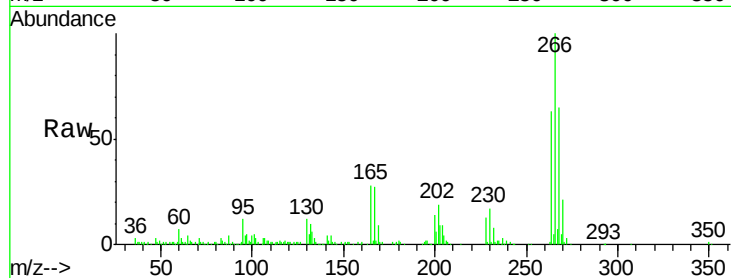
#69
 Pentachlorophenol
 Concen: 78.87 ng
 RT: 10.97 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

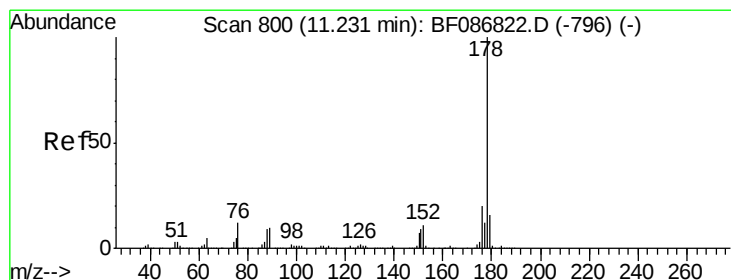
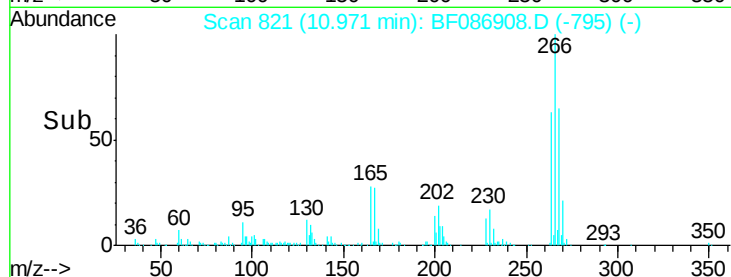
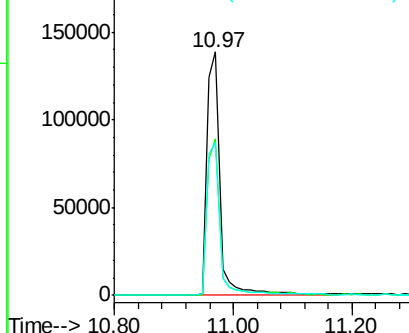
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	217117		
268	64.6	51.5	77.3	
264	62.8	52.9	79.3	

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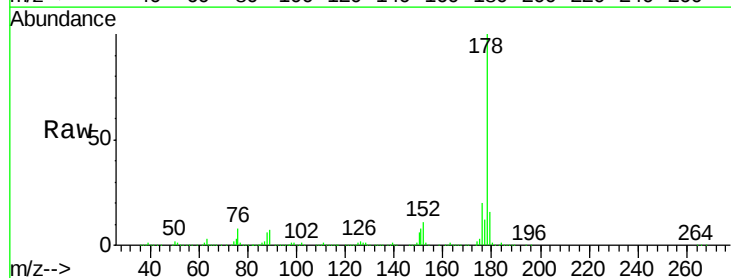


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

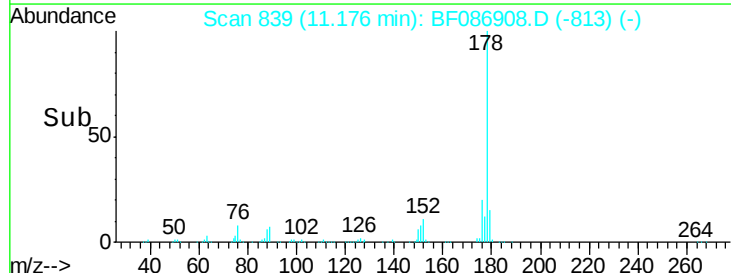
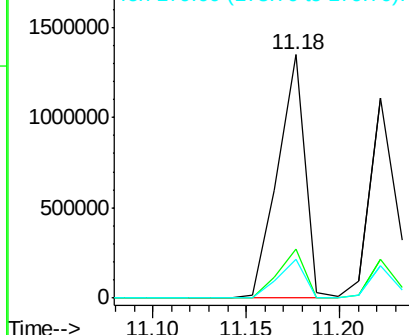


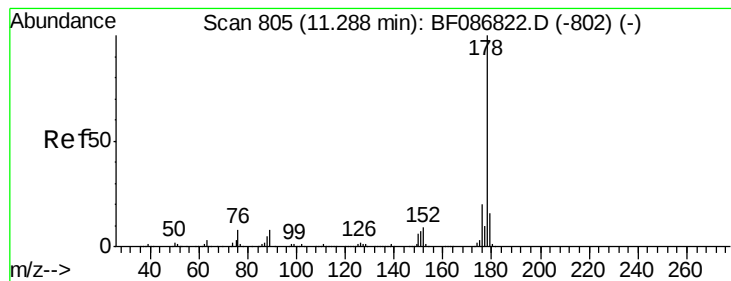
#70
 Phenanthrene
 Concen: 51.21 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1373913		
176	20.0	16.0	24.0	
179	15.7	12.6	18.8	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 39.27 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:178 Resp: 1077398

Ion Ratio Lower Upper

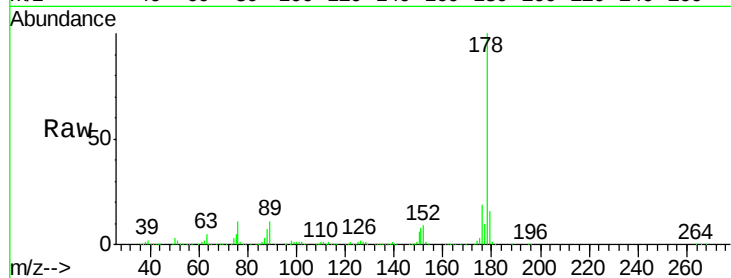
178 100

176 19.2 15.6 23.4

179 16.0 12.7 19.1

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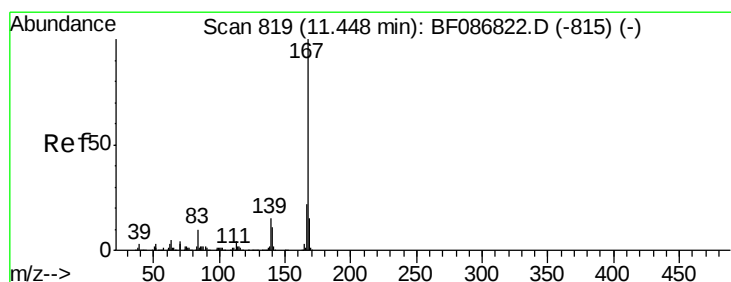
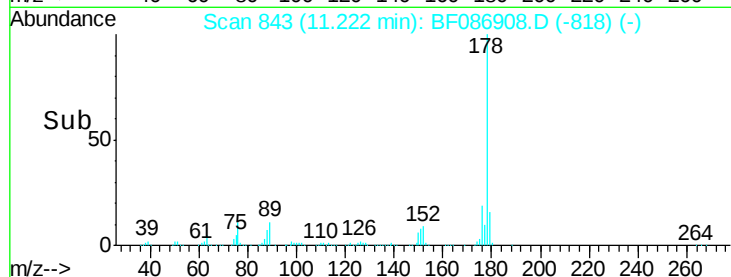
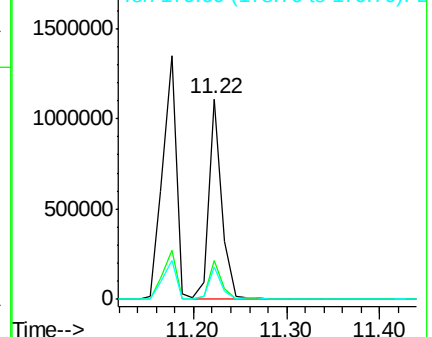
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 38.50 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

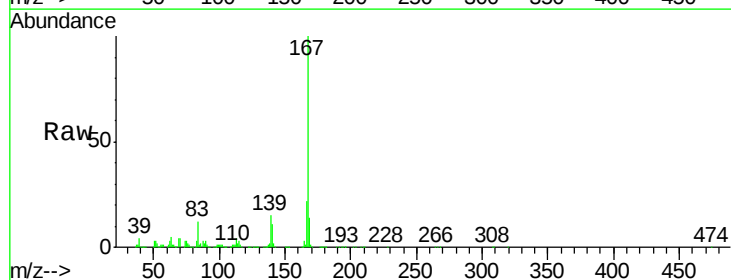
Tgt Ion:167 Resp: 908051

Ion Ratio Lower Upper

167 100

166 21.9 17.7 26.5

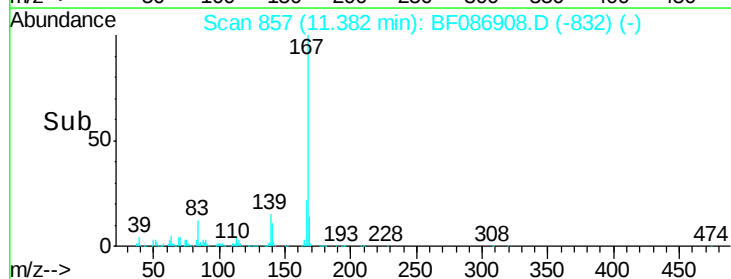
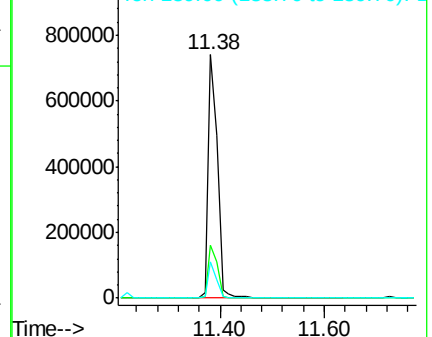
139 14.9 10.8 16.2

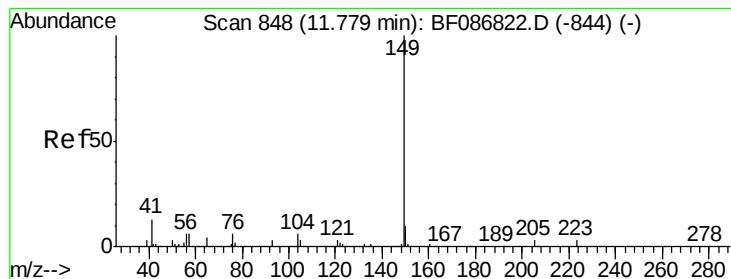


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 43.40 ng

RT: 11.72 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

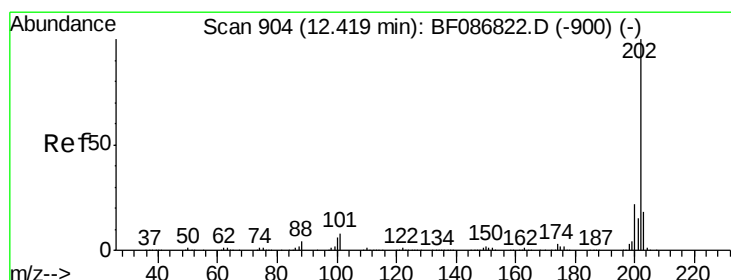
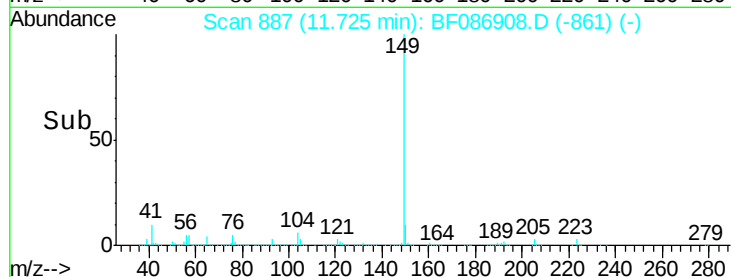
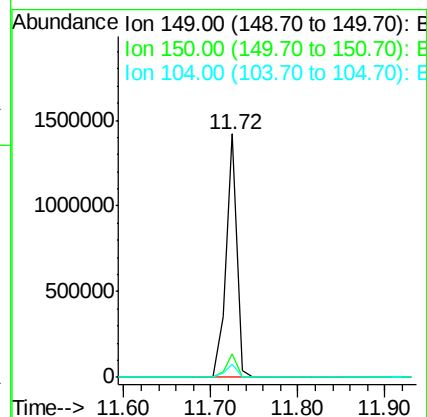
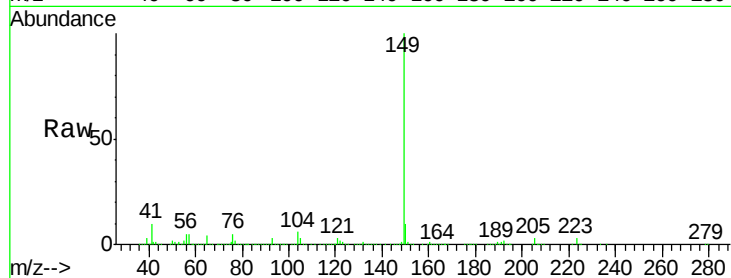
ClientSampleId :

E-19(11.5-12)MS

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Tgt Ion:	149	Resp:	1250025
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.5	3.8	5.6



#74

Fluoranthene

Concen: 46.62 ng

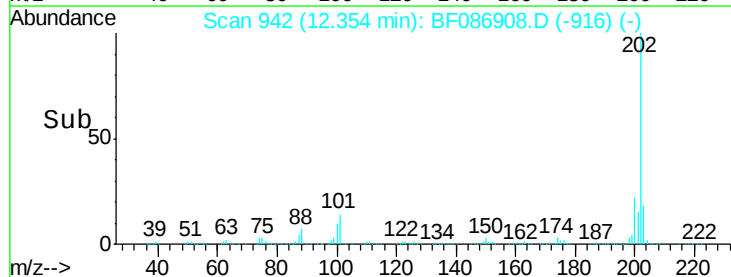
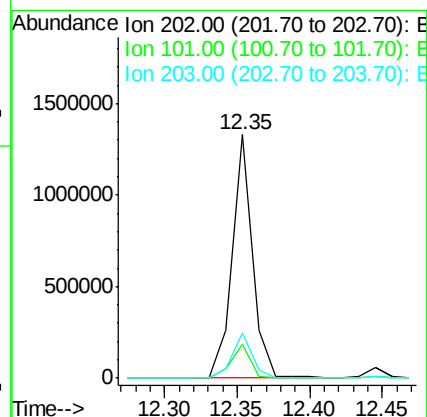
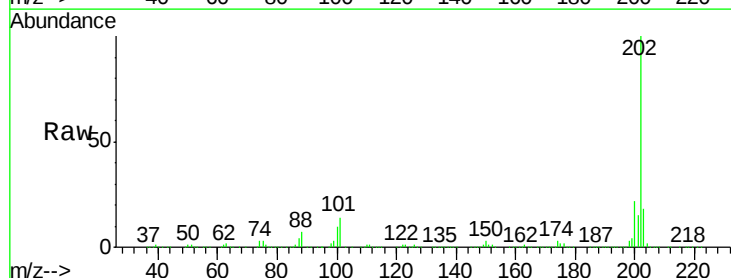
RT: 12.35 min Scan# 942

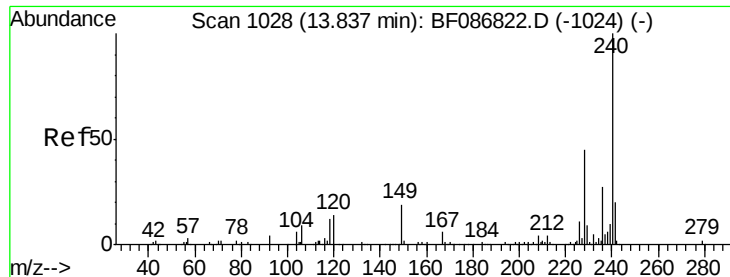
Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	202	Resp:	1286337
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	35.4
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF086908.D

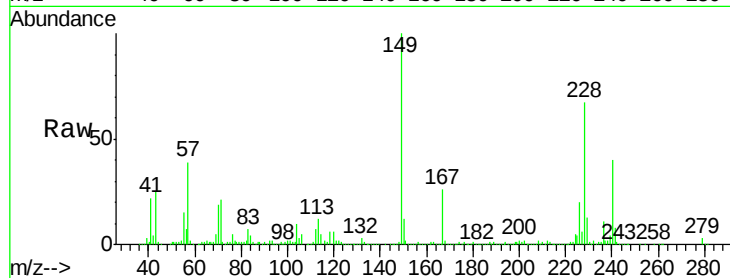
Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

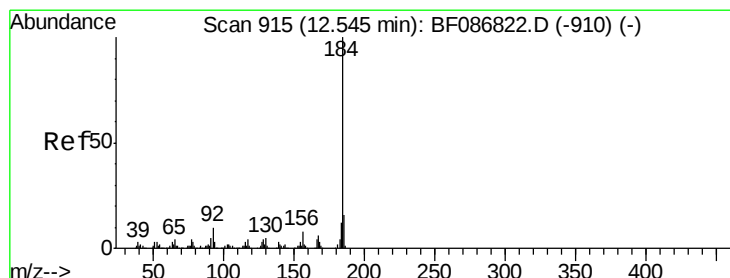
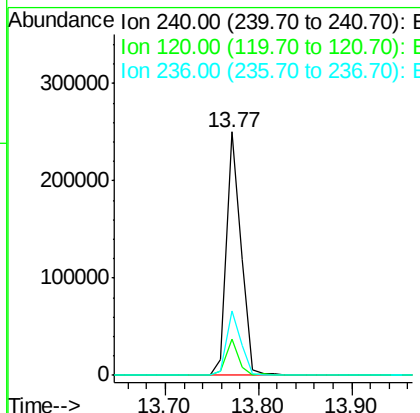
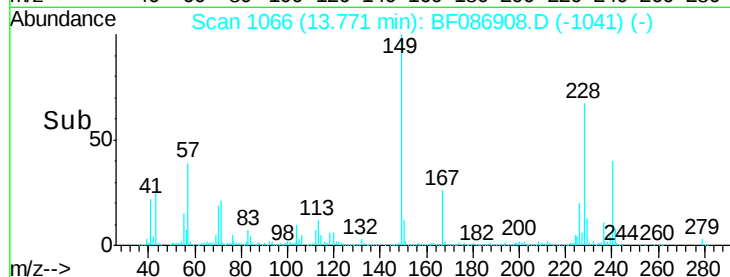
E-19(11.5-12)MS



Tgt Ion:	240	Resp:	273216
Ion Ratio	Lower	Upper	
240	100		
120	15.1	11.2	16.8
236	26.3	21.2	31.8

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#76

Benzidine

Concen: 63.21 ng

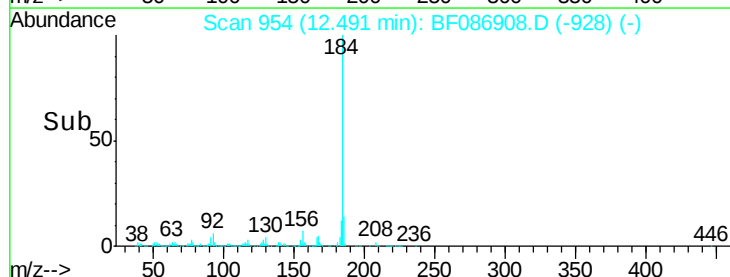
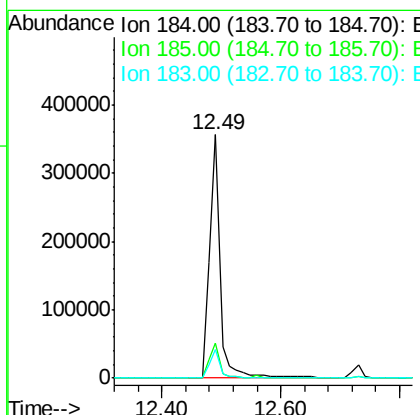
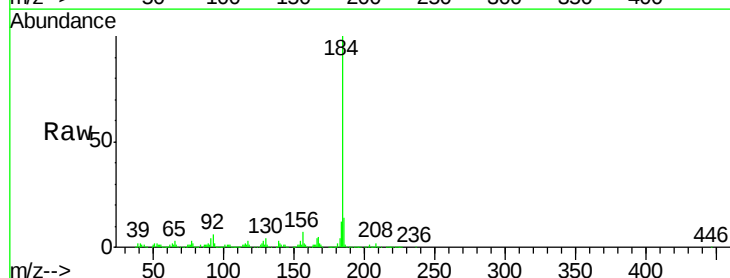
RT: 12.49 min Scan# 954

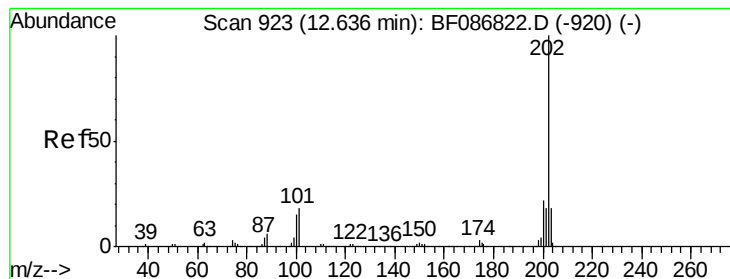
Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	184	Resp:	440241
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.6	20.4
183	11.7	9.8	14.6





#77

Pyrene

Concen: 64.14 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS

Tgt Ion:202 Resp: 1341594

Ion Ratio Lower Upper

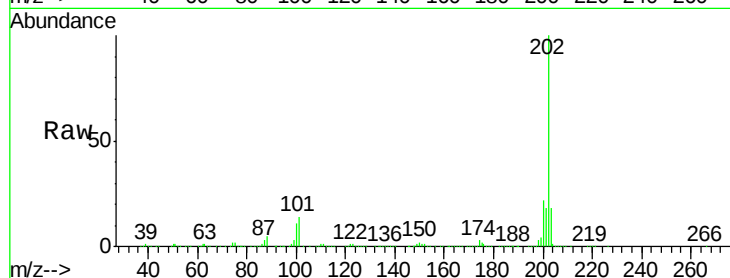
202 100

200 22.3 17.7 26.5

203 17.8 14.2 21.4

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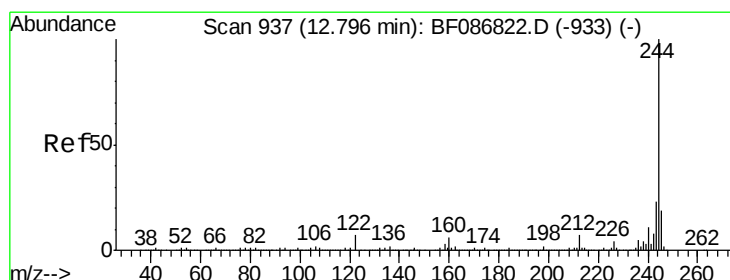
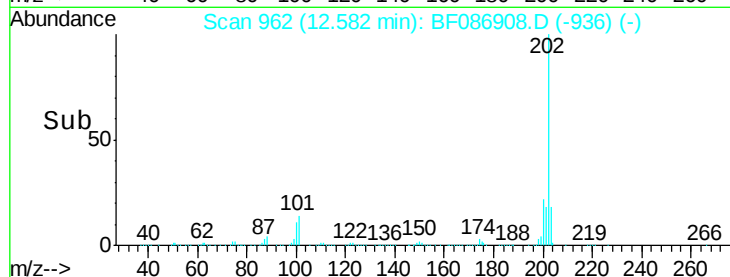
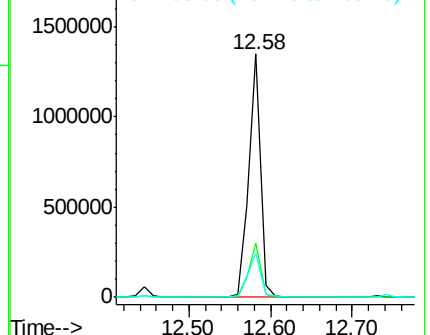
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 83.22 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

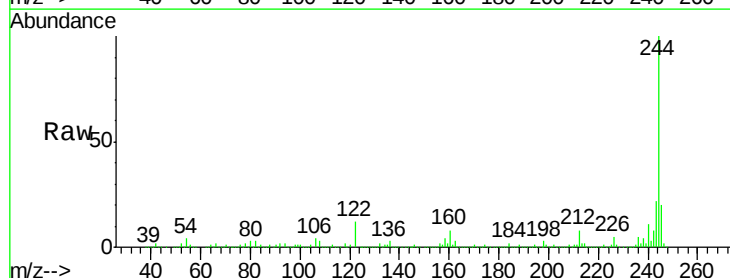
Tgt Ion:244 Resp: 1071576

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

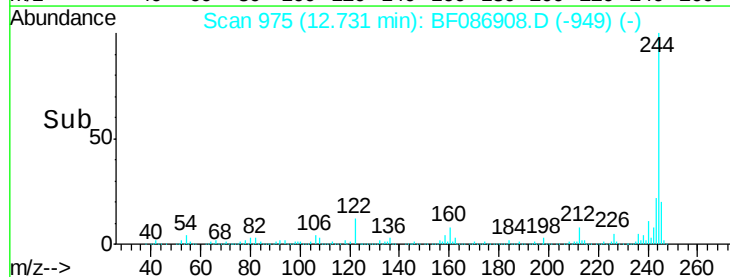
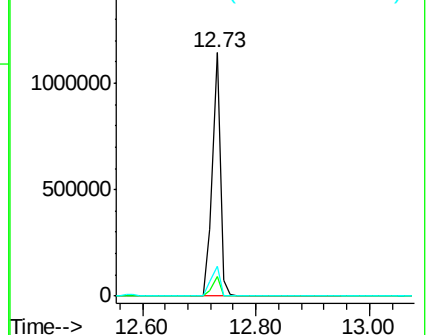
122 12.2 12.0 18.0

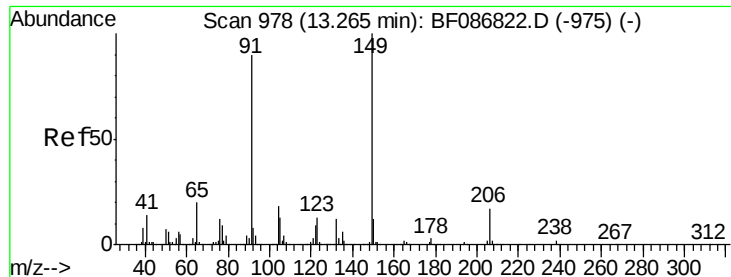


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 50.95 ng

RT: 13.21 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF086908.D

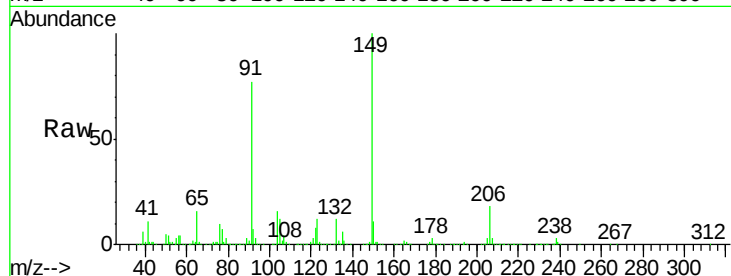
Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

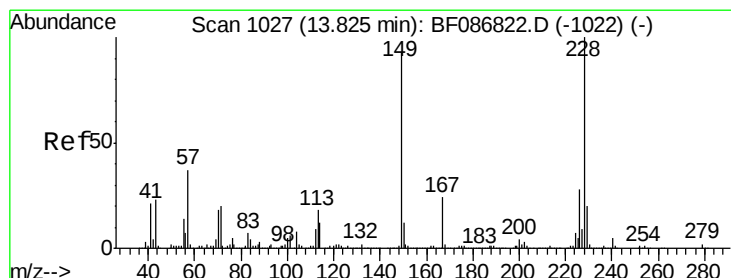
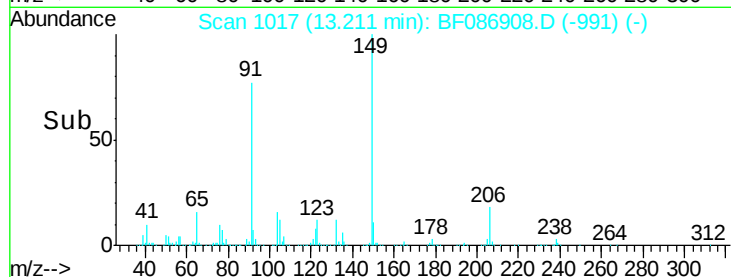
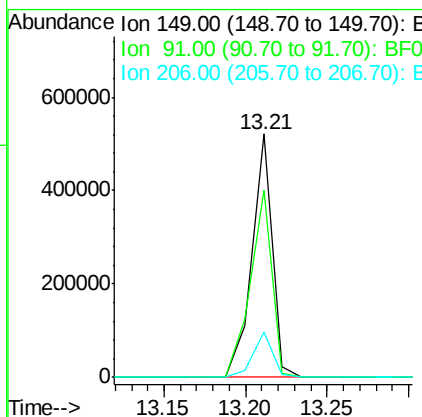
E-19(11.5-12)MS



Tgt Ion:	149	Resp:	450810
Ion Ratio	Lower	Upper	
149	100		
91	76.7	48.0	72.0#
206	18.4	15.8	23.6

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#80

Benzo(a)anthracene

Concen: 51.90 ng

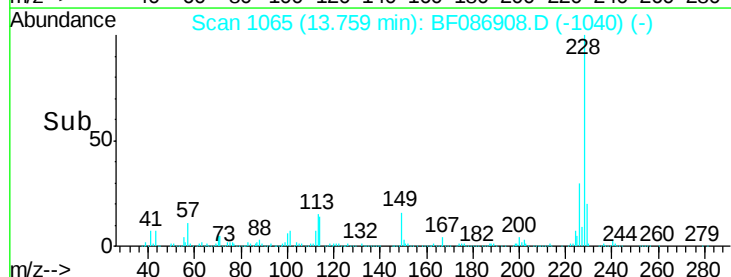
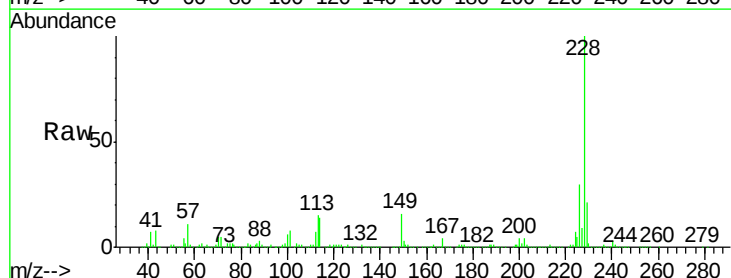
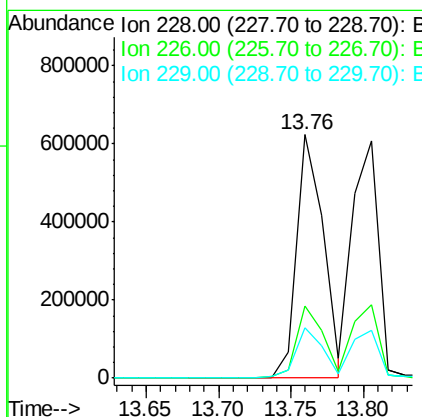
RT: 13.76 min Scan# 1065

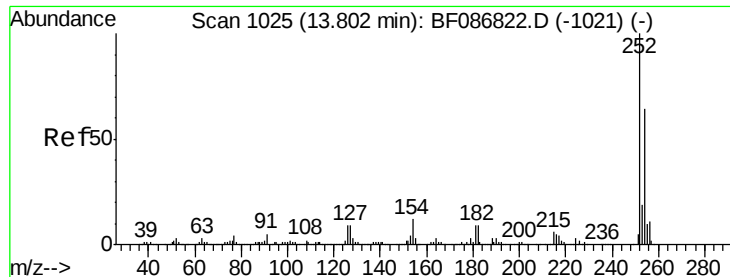
Delta R.T. -0.01 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion:	228	Resp:	796017
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.5	33.7
229	20.5	16.6	25.0





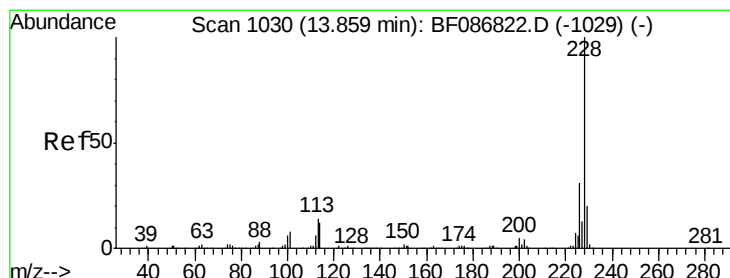
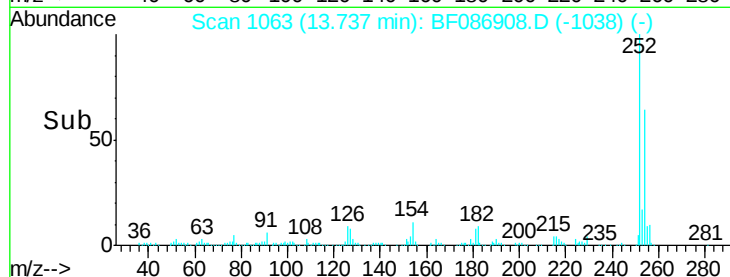
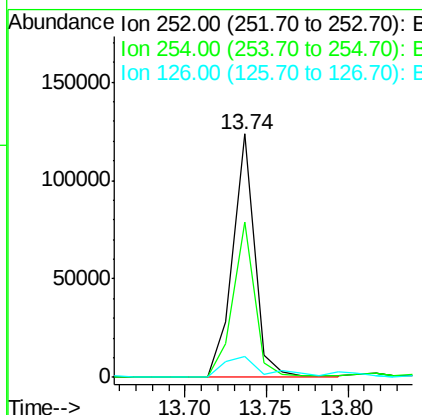
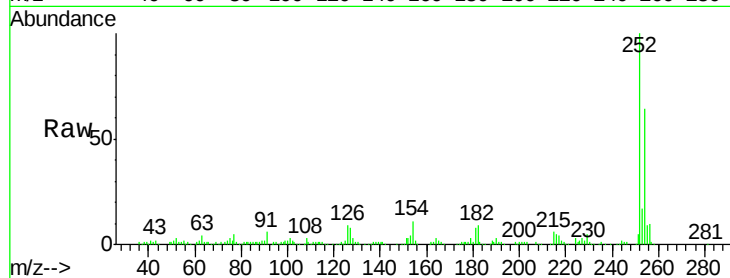
#81
 3,3'-Dichlorobenzidine
 Concen: 11.88 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
254	63.8	50.7	76.1
126	8.8	12.7	19.1#

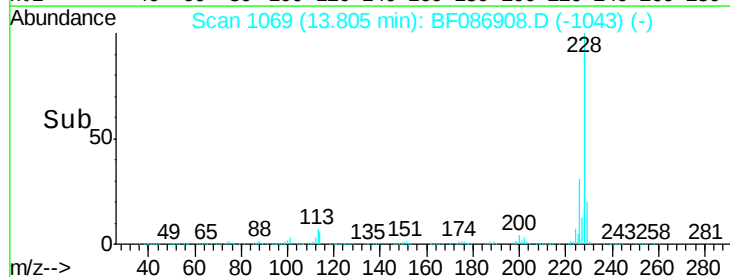
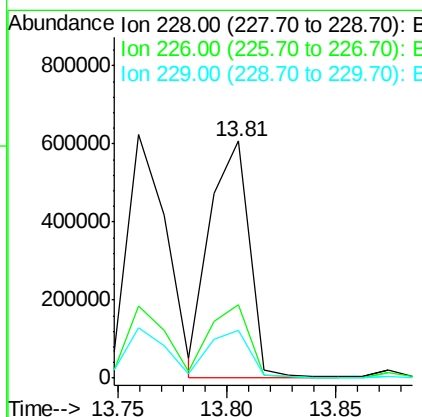
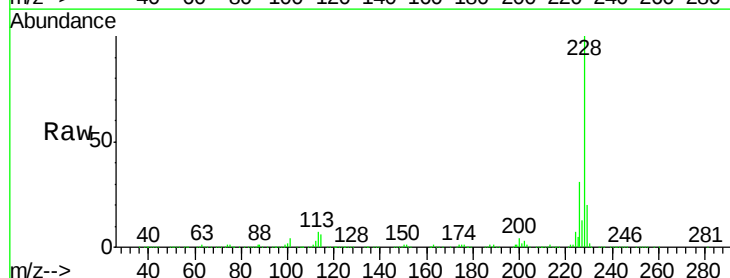
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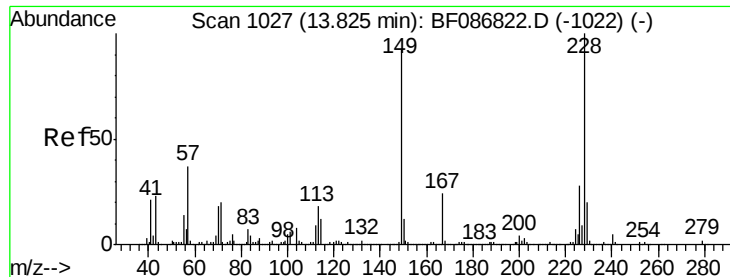
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#82
 Chrysene
 Concen: 48.91 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.9	24.4	36.6
229	20.4	15.8	23.8





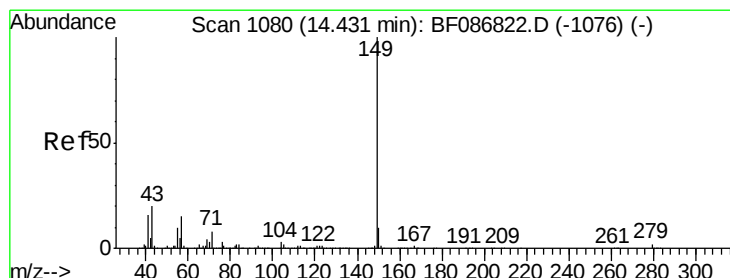
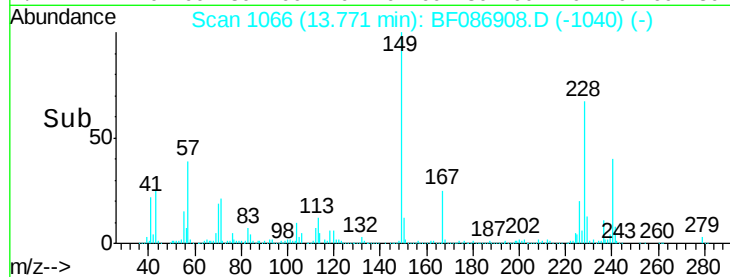
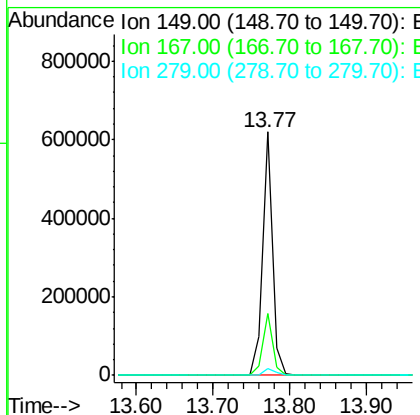
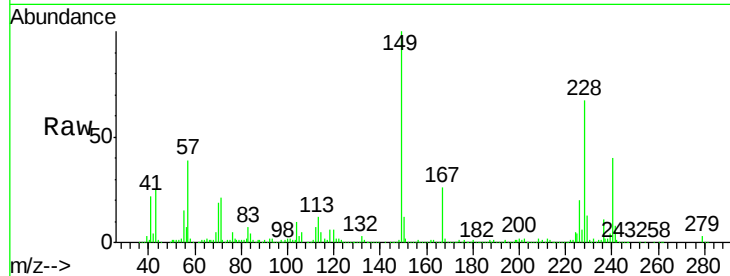
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.71 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	25.5	21.8	32.6
279	2.8	2.6	4.0

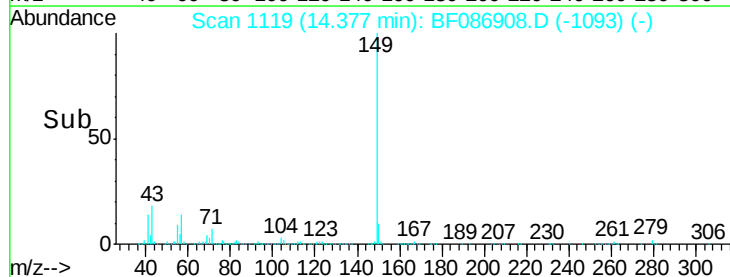
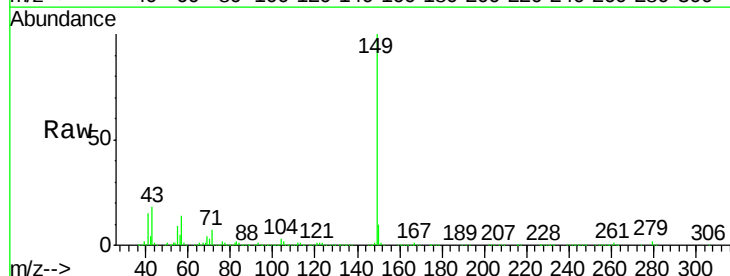
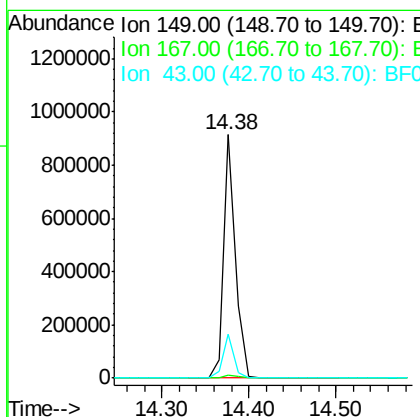
Manual Integrations
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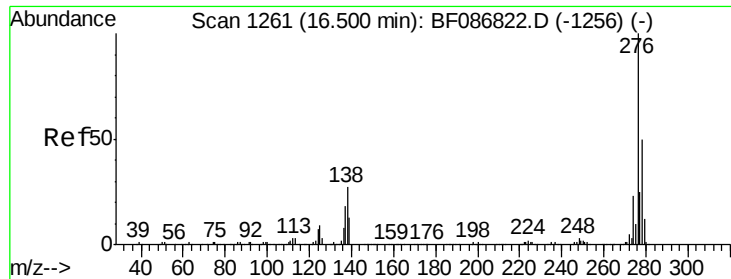
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#84
 Di-n-octyl phthalate
 Concen: 49.41 ng
 RT: 14.38 min Scan# 1119
 Delta R.T. -0.00 min
 Lab File: BF086908.D
 Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.6	1.2	1.8
43	16.6	8.2	12.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 60.23 ng

RT: 16.39 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF086908.D

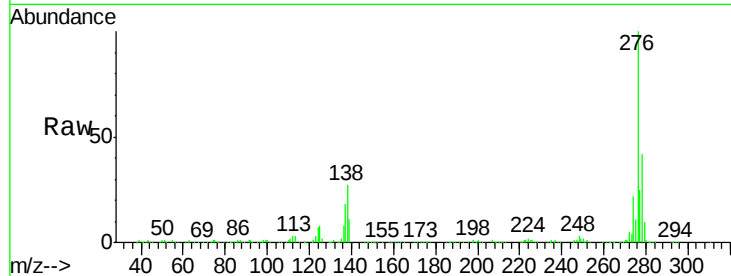
Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

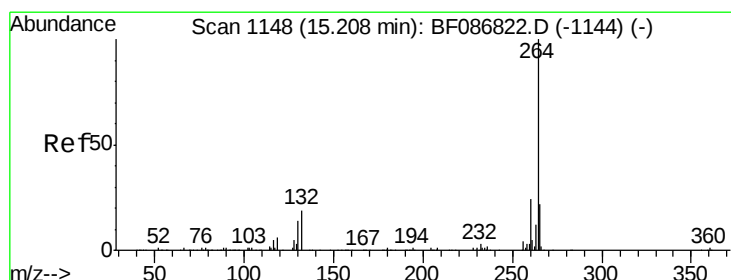
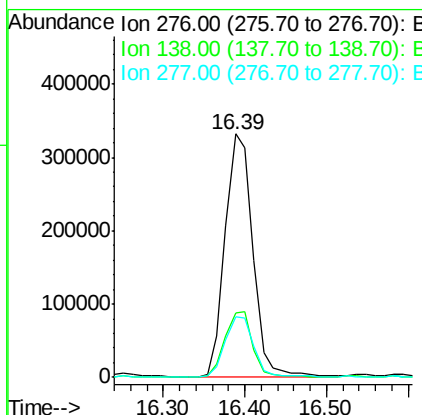
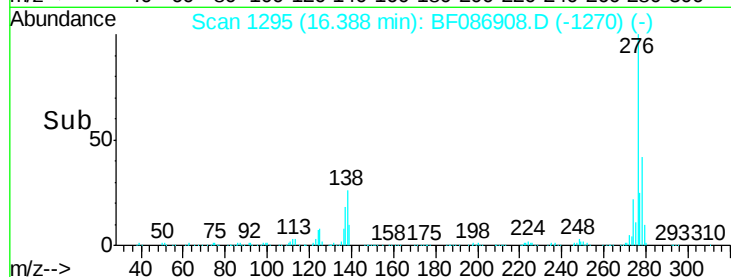
E-19(11.5-12)MS



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	781893		
138	26.8	25.6	38.4	
277	25.1	20.5	30.7	

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#86

Perylene-d12

Concen: 20.00 ng

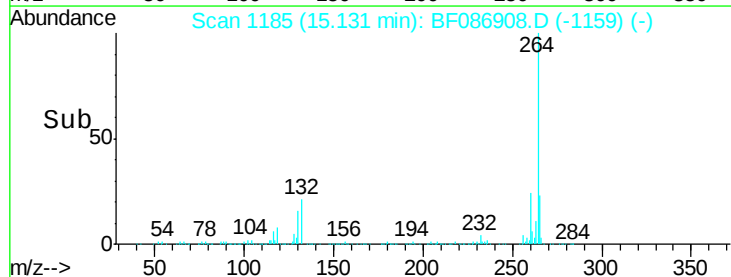
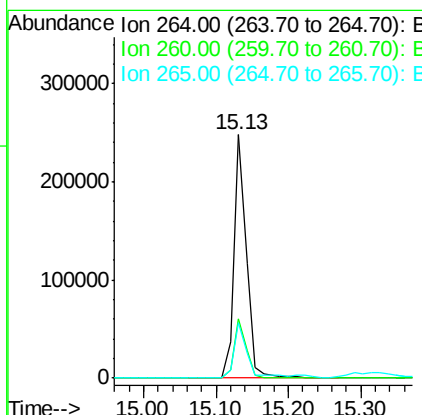
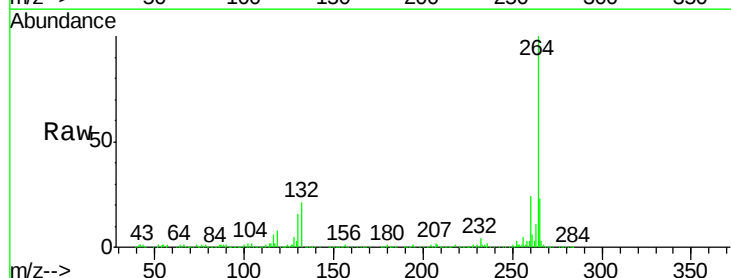
RT: 15.13 min Scan# 1185

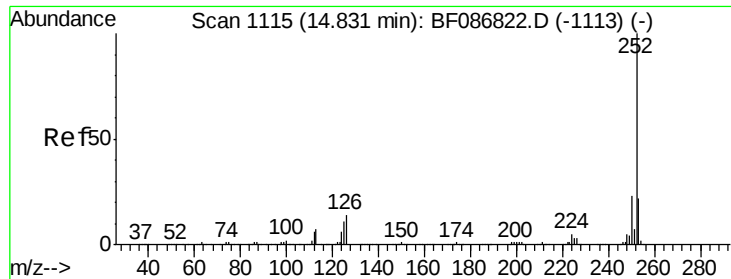
Delta R.T. 0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	294033		
260	24.4	19.5	29.3	
265	22.9	17.3	25.9	





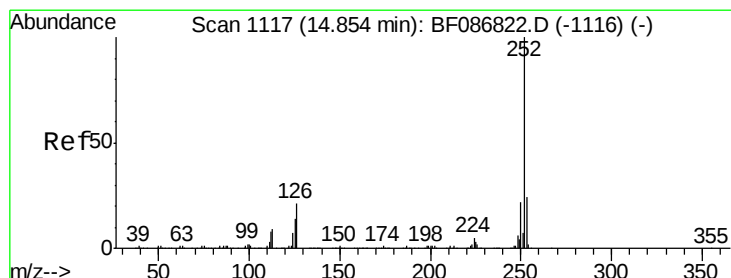
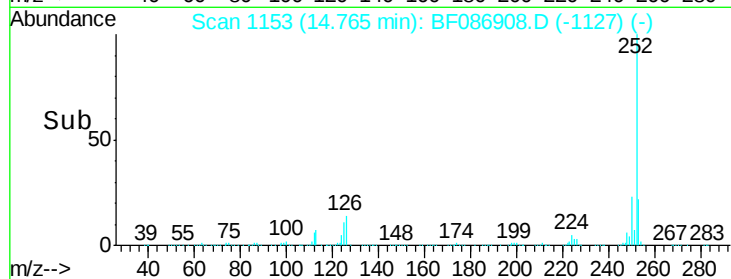
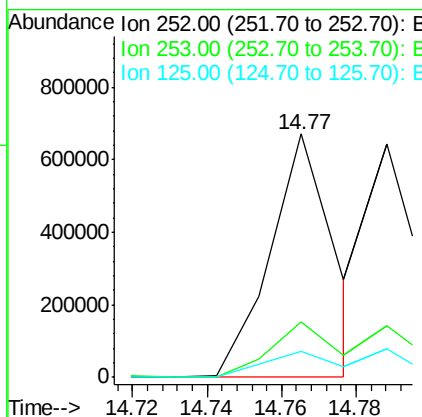
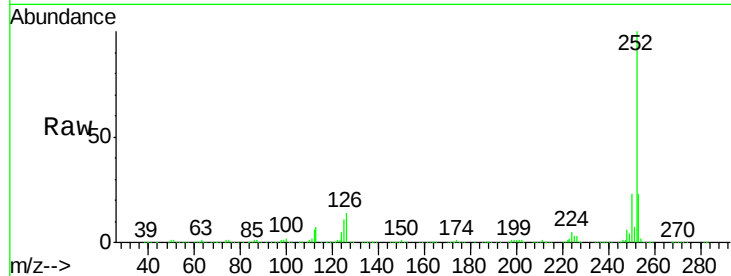
#87
Benzo(b)fluoranthene
Concen: 41.93 ng m
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	10.6	11.4	17.0

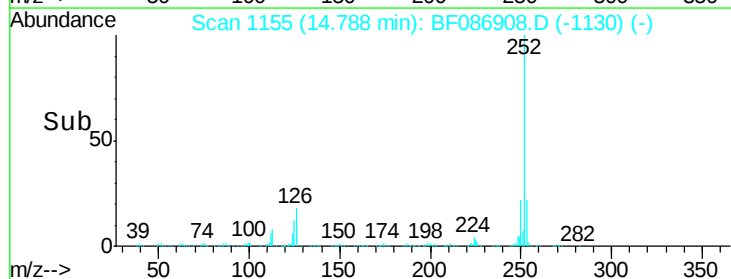
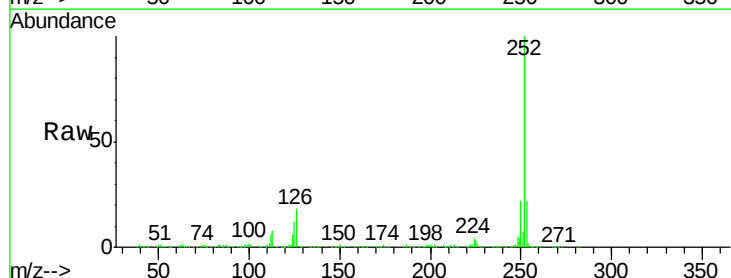
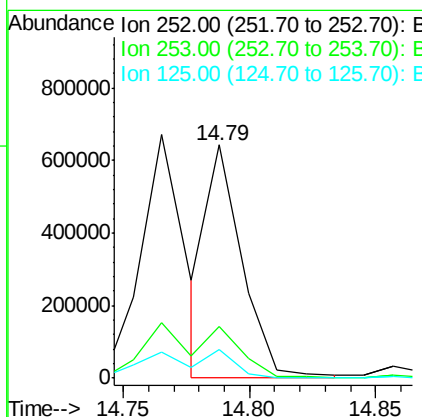
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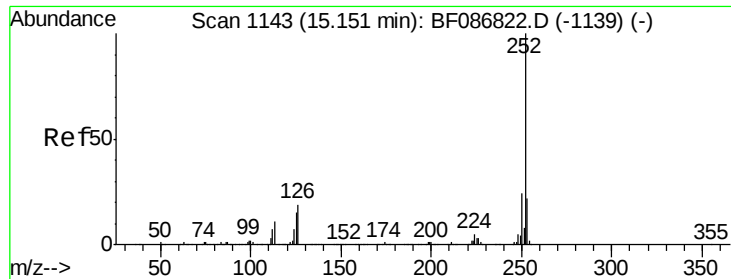
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#88
Benzo(k)fluoranthene
Concen: 40.13 ng m
RT: 14.79 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	12.3	9.1	13.7





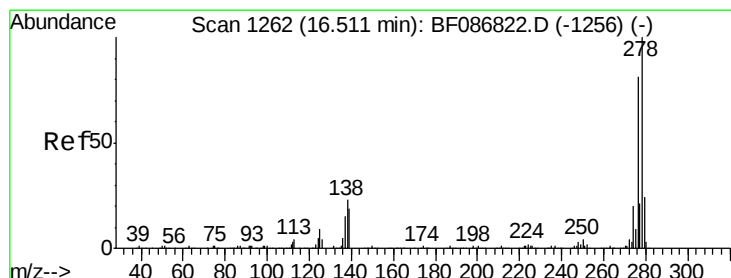
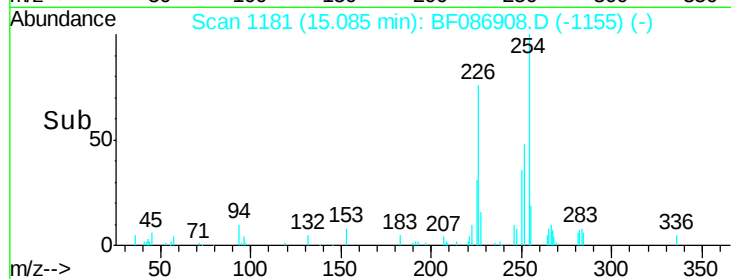
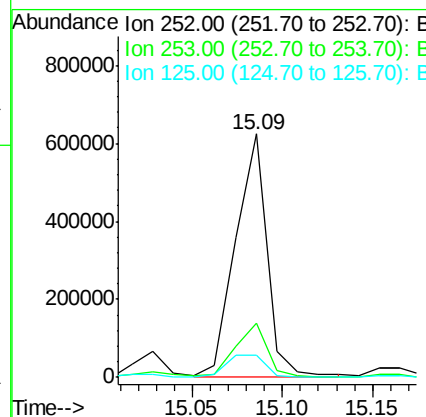
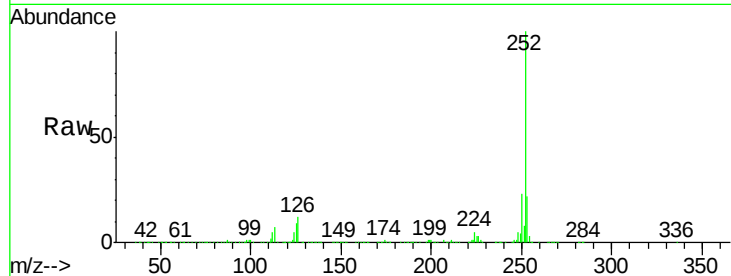
#89
Benzo(a)pyrene
Concen: 46.19 ng m
RT: 15.09 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	9.0	9.0	13.6

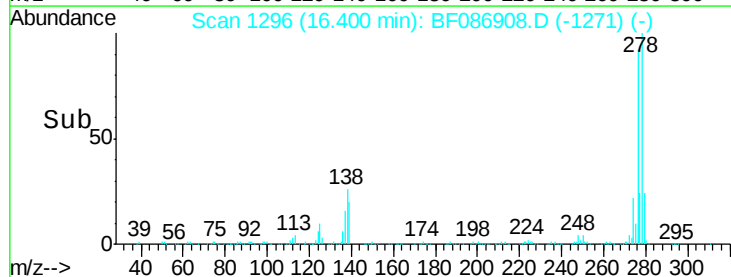
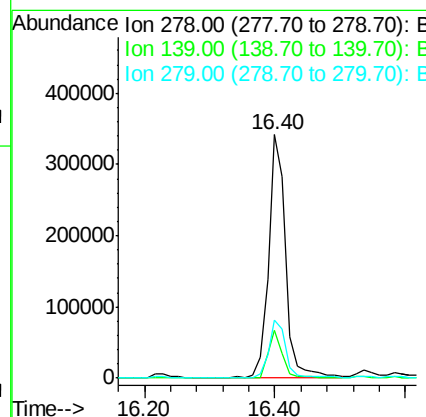
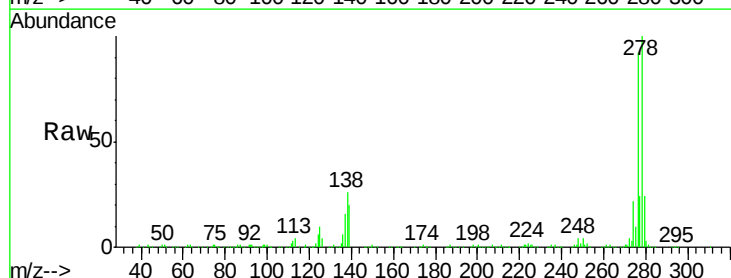
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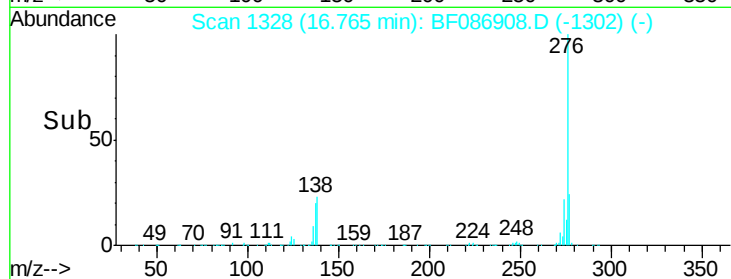
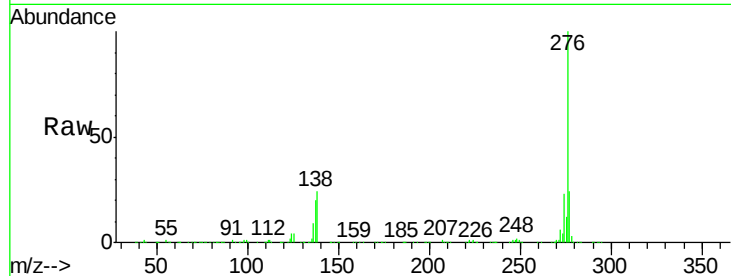
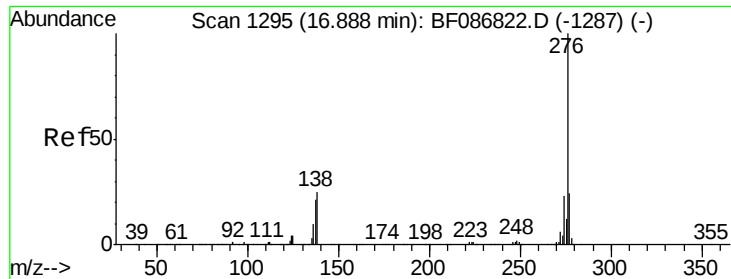
umangi
5/12/2016 9:10:06 AM



#90
Dibenzo(a,h)anthracene
Concen: 44.66 ng
RT: 16.40 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF086908.D
Acq: 12 May 2016 00:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.6	16.6	24.8
279	24.1	19.6	29.4





#91

Benzo(g,h,i)perylene

Concen: 47.94 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF086908.D

Acq: 12 May 2016 00:58

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MS

Tgt Ion: 276 Resp: 676657

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 23.6 23.6 35.4#

Manual Integrations
APPROVED

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5/12/2016 9:10:06 AM

