

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086936.D
 Acq On : 12 May 2016 17:55
 Operator : UM/SJ
 Sample : H2968-04MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS

Manual Integrations
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 5/13/2016 8:03:45 PM

Quant Time: May 13 01:17:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 00:58:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	154563	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	628203	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	300327	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	574900	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	366161	20.00	ng	-0.01
86) Perylene-d12	15.12	264	330774	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	915969	100.36	ng	0.01
7) Phenol-d6	6.30	99	1225513	100.47	ng	0.00
23) Nitrobenzene-d5	7.20	82	836561	66.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	308123	96.91	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1283126	71.80	ng	0.00
78) Terphenyl-d14	12.72	244	1092643	63.31	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.14	88	117594	26.24	ng	# 58
3) Pyridine	2.79	79	310407	28.34	ng	# 64
4) n-Nitrosodimethylamine	2.73	42	270379	34.04	ng	# 48
6) Aniline	6.28	93	322737	21.88	ng	# 82
8) 2-Chlorophenol	6.41	128	363957	33.05	ng	# 81
9) Benzaldehyde	6.17	77	33985	4.81	ng	98
10) Phenol	6.31	94	507497	35.00	ng	89
11) bis(2-Chloroethyl)ether	6.36	93	346890	30.69	ng	# 83
12) 1,3-Dichlorobenzene	6.56	146	376919	31.63	ng	# 93
13) 1,4-Dichlorobenzene	6.64	146	383123m	31.52	ng	
14) 1,2-Dichlorobenzene	6.79	146	322954m	30.49	ng	
15) Benzyl Alcohol	6.79	79	329542	39.13	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.91	45	738782	30.06	ng	60
17) 2-Methylphenol	6.91	107	305452	34.86	ng	# 83
18) Hexachloroethane	7.13	117	142293	31.12	ng	97
19) n-Nitroso-di-n-propylamine	7.05	70	267190	31.34	ng	# 63
20) 3+4-Methylphenols	7.07	107	400887	35.03	ng	# 58
22) Acetophenone	7.04	105	517893	34.90	ng	# 93
24) Nitrobenzene	7.21	77	415876	32.31	ng	94
25) Isophorone	7.46	82	764514	32.94	ng	95
26) 2-Nitrophenol	7.53	139	183439	32.43	ng	# 69
27) 2,4-Dimethylphenol	7.59	122	308197	31.98	ng	89
28) bis(2-Chloroethoxy)methane	7.68	93	480297	38.36	ng	98
29) 2,4-Dichlorophenol	7.78	162	293917	34.65	ng	93
30) 1,2,4-Trichlorobenzene	7.85	180	315116	33.23	ng	94
31) Naphthalene	7.93	128	1031872	32.79	ng	99
33) 4-Chloroaniline	8.00	127	242716	19.85	ng	97
34) Hexachlorobutadiene	8.06	225	210544	38.26	ng	99
35) Caprolactam	8.36	113	90132m	31.23	ng	
36) 4-Chloro-3-methylphenol	8.50	107	352209	34.24	ng	97
37) 2-Methylnaphthalene	8.63	142	720895	39.19	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.79	216	325080	37.23	ng	98
40) Hexachlorocyclopentadiene	8.78	237	245147	59.15	ng	98
42) 2,4,6-Trichlorophenol	8.91	196	200767	34.38	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.96	196	204266	33.83	ng	# 85
45) 1,1'-Biphenyl	9.08	154	795058	33.28	ng	96
46) 2-Chloronaphthalene	9.11	162	605226	32.34	ng	92
47) 2-Nitroaniline	9.22	65	268568	39.26	ng	87
48) Acenaphthylene	9.52	152	922717	33.52	ng	98
49) Dimethylphthalate	9.40	163	879361	38.38	ng	100
50) 2,6-Dinitrotoluene	9.46	165	170215	35.30	ng	89
51) Acenaphthene	9.69	154	575712	33.62	ng	98
52) 3-Nitroaniline	9.63	138	138032	27.19	ng	95
53) 2,4-Dinitrophenol	9.74	184	83398	38.28	ng	# 52
54) Dibenzofuran	9.86	168	778759	35.43	ng	93
55) 4-Nitrophenol	9.83	139	202093	60.86	ng	89
56) 2,4-Dinitrotoluene	9.86	165	195515	32.76	ng	# 64
57) Fluorene	10.20	166	610917	32.59	ng	98
58) 2,3,4,6-Tetrachlorophenol	9.99	232	158203	34.80	ng	98
59) Diethylphthalate	10.09	149	719585	32.23	ng	99
60) 4-Chlorophenyl-phenylether	10.20	204	306704	35.68	ng	86
61) 4-Nitroaniline	10.25	138	180310	36.98	ng	82
62) Azobenzene	10.36	77	886014	36.78	ng	89
64) 4,6-Dinitro-2-methylphenol	10.27	198	110571	30.96	ng	# 82
65) n-Nitrosodiphenylamine	10.33	169	595161	33.70	ng	98
66) 4-Bromophenyl-phenylether	10.68	248	176969	30.36	ng	# 86
67) Hexachlorobenzene	10.75	284	243955m	35.81	ng	
68) Atrazine	10.86	200	165444	28.04	ng	94
69) Pentachlorophenol	10.95	266	195848	62.21	ng	98
70) Phenanthrene	11.16	178	1029014	33.54	ng	100
71) Anthracene	11.21	178	951174	30.31	ng	99
72) Carbazole	11.37	167	904301	33.53	ng	98
73) Di-n-butylphthalate	11.71	149	1122314	34.07	ng	99
74) Fluoranthene	12.34	202	993151	31.47	ng	95
76) Benzidine	12.48	184	229180	24.55	ng	95
77) Pyrene	12.57	202	1036161	36.96	ng	98
79) Butylbenzylphthalate	13.20	149	431839	36.42	ng	# 81
80) Benzo(a)anthracene	13.75	228	698011	33.96	ng	98
81) 3,3'-Dichlorobenzidine	13.73	252	157586	12.07	ng	# 97
82) Chrysene	13.79	228	714910	34.19	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	501310	35.15	ng	98
84) Di-n-octyl phthalate	14.37	149	758429	32.10	ng	# 83
85) Indeno(1,2,3-cd)pyrene	16.38	276	636395	36.58	ng	95
87) Benzo(b)fluoranthene	14.75	252	627566m	29.19	ng	
88) Benzo(k)fluoranthene	14.78	252	535103m	30.40	ng	
89) Benzo(a)pyrene	15.07	252	554805	29.92	ng	# 96
90) Dibenzo(a,h)anthracene	16.38	278	542524	34.72	ng	99
91) Benzo(g,h,i)perylene	16.74	276	544966	34.32	ng	95

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

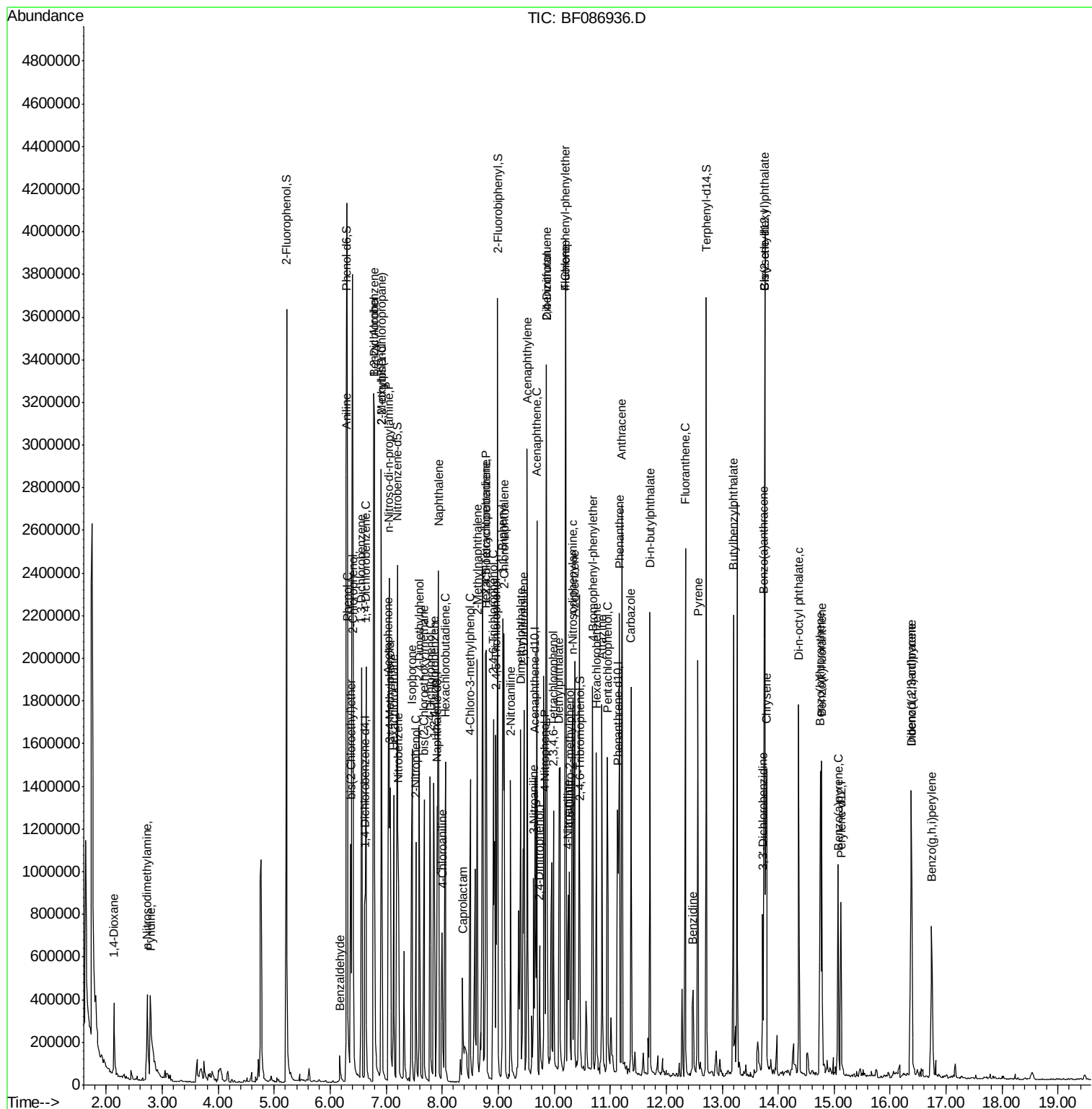
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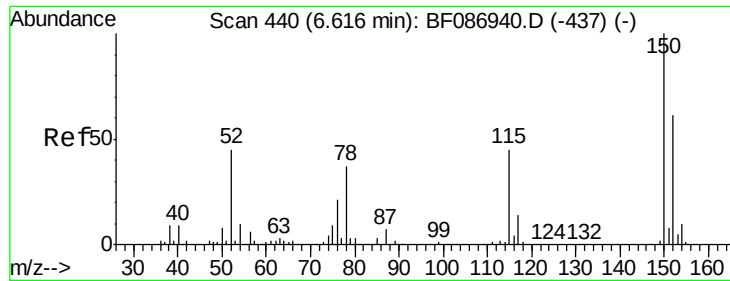
Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

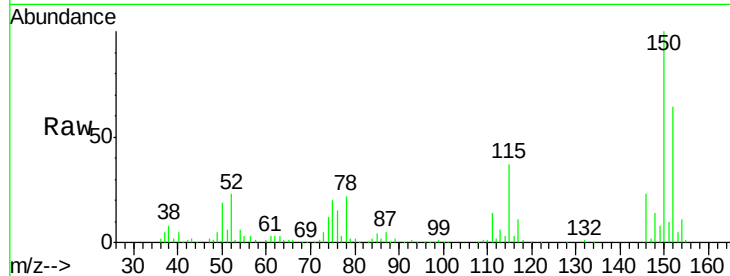
ClientSampleId :

TP40-4FTMS

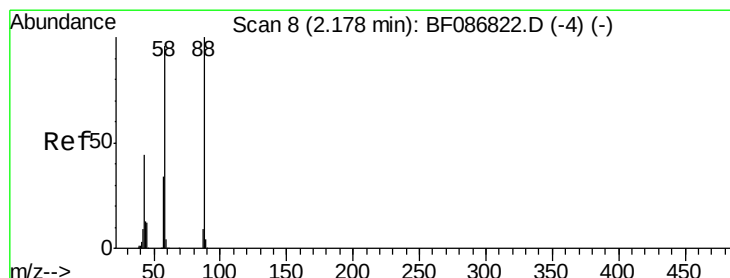
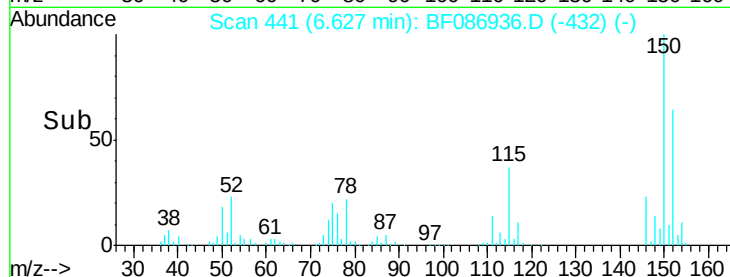
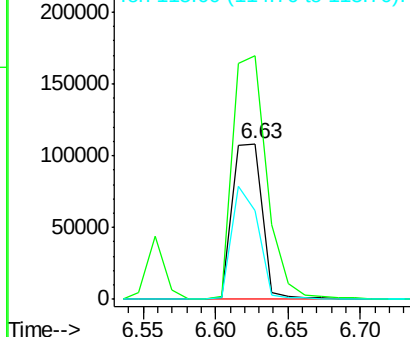
Tgt Ion:	152	Resp:	154563
Ion Ratio	Lower	Upper	
152	100		
150	156.3	125.8	188.6
115	57.1	51.5	77.3

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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: 26.24 ng

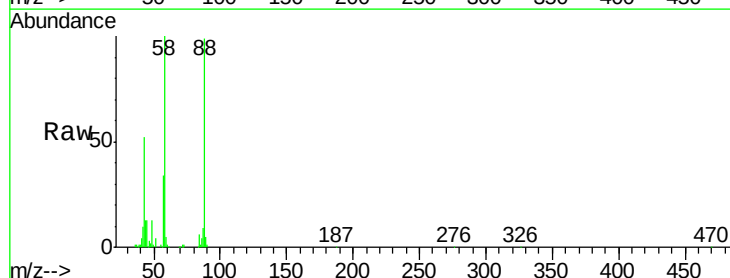
RT: 2.14 min Scan# 48

Delta R.T. 0.07 min

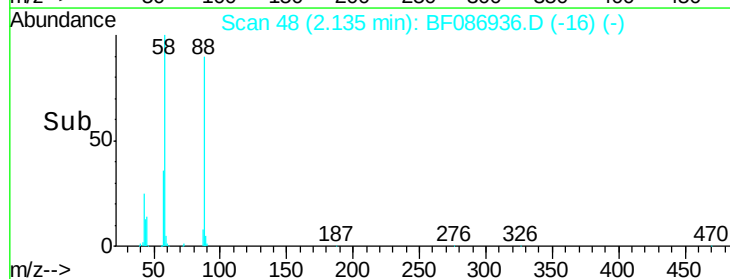
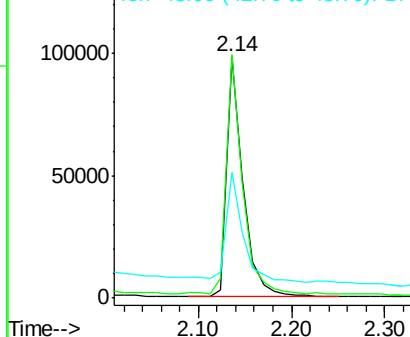
Lab File: BF086936.D

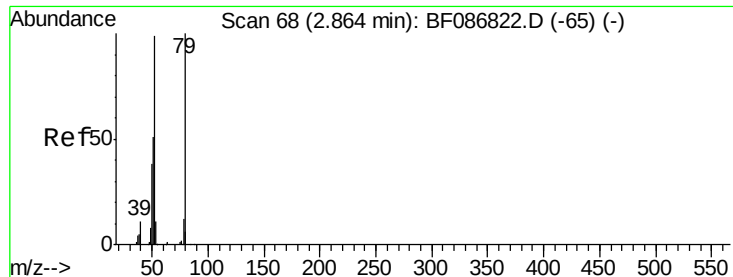
Acq: 12 May 2016 17:55

Tgt Ion:	88	Resp:	117594
Ion Ratio	Lower	Upper	
88	100		
58	103.1	59.6	89.4#
43	60.3	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: 28.34 ng

RT: 2.79 min Scan# 105

Delta R.T. 0.08 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

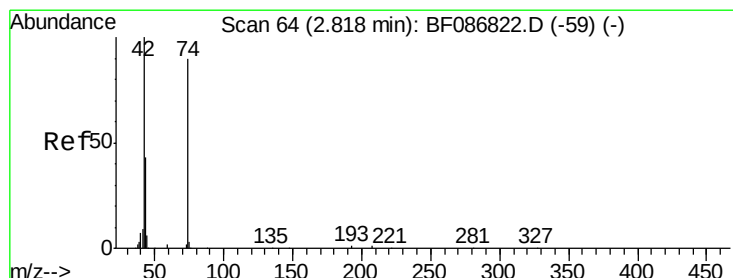
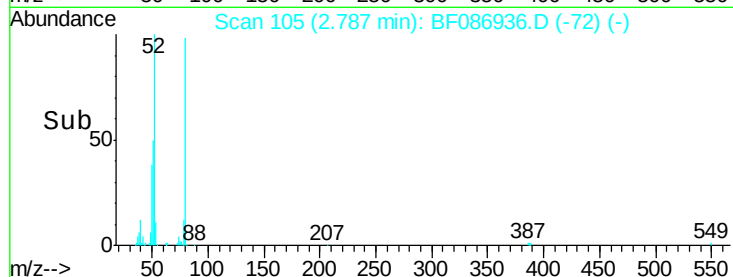
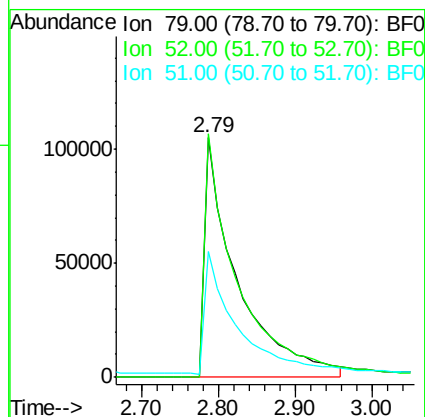
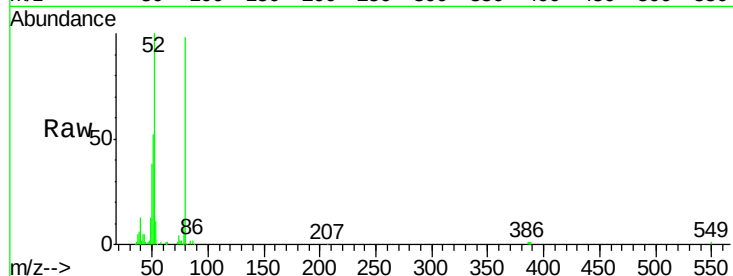
ClientSampleId :

TP40-4FTMS

Tgt Ion:	79	Resp:	310407
Ion	Ratio	Lower	Upper
79	100		
52	101.6	55.9	83.9#
51	52.7	28.1	42.1#

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#4

n-Nitrosodimethylamine

Concen: 34.04 ng

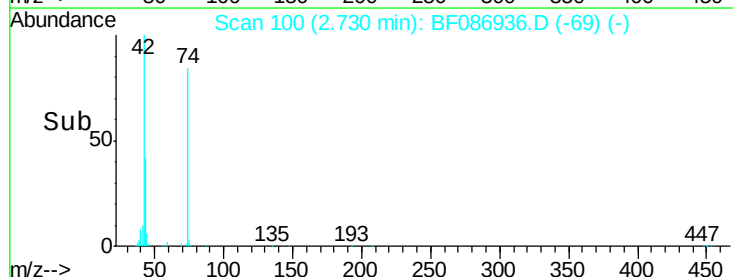
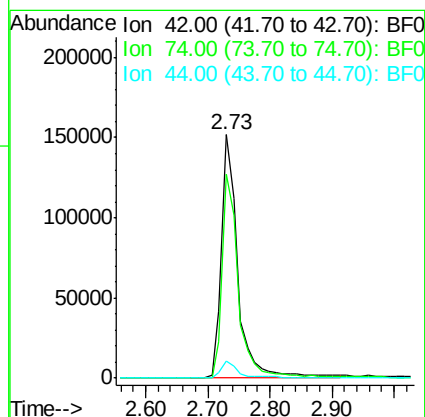
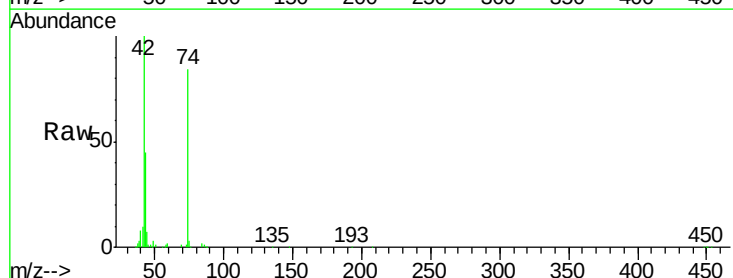
RT: 2.73 min Scan# 100

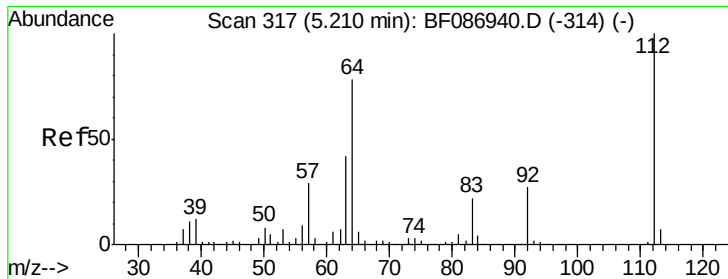
Delta R.T. 0.06 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:	42	Resp:	270379
Ion	Ratio	Lower	Upper
42	100		
74	83.8	123.4	185.0#
44	6.7	5.8	8.6





#5

2-Fluorophenol

Concen: 100.36 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF086936.D

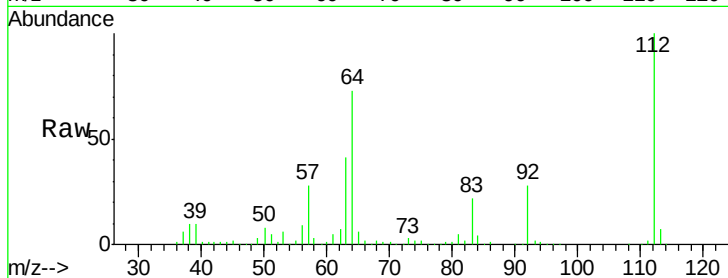
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

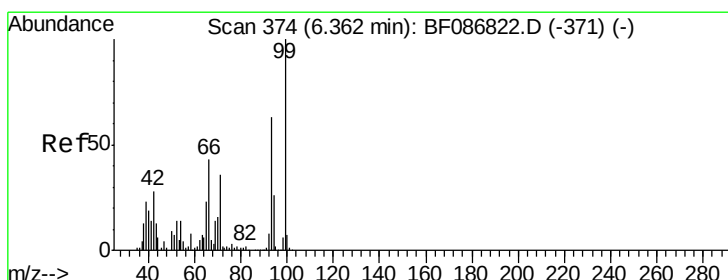
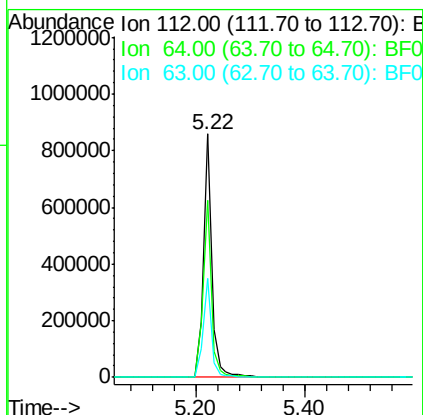
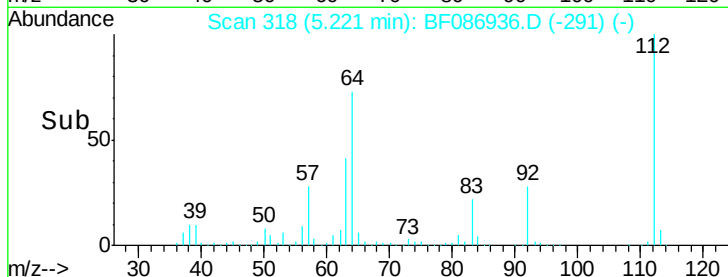
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Tgt Ion	Ratio	Resp	Lower	Upper
112	100	915969		
64	72.9	52.1	78.1	
63	40.5	25.7	38.5	

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#6

Aniline

Concen: 21.88 ng

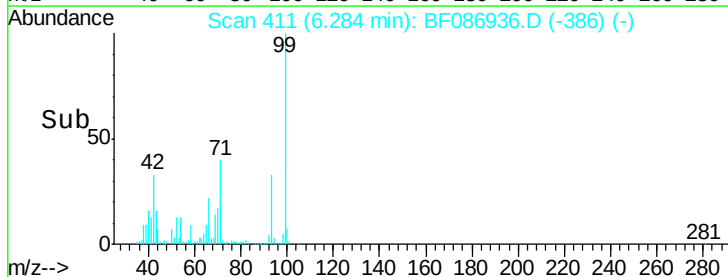
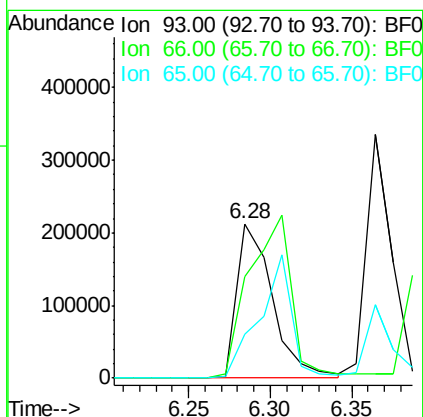
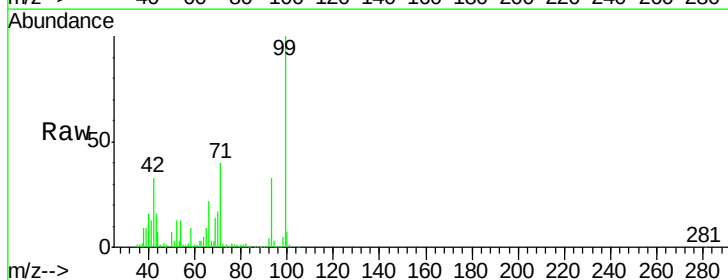
RT: 6.28 min Scan# 411

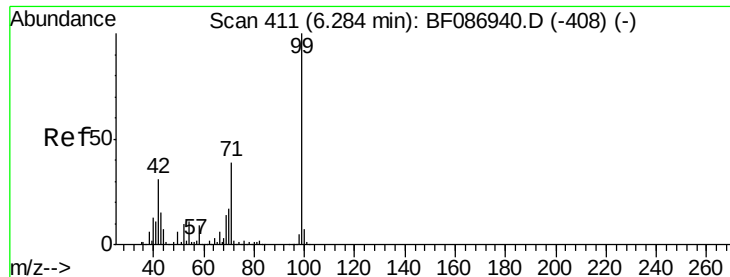
Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	322737		
66	66.1	39.0	58.6	
65	28.1	20.6	31.0	





#7

Phenol-d6

Concen: 100.47 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampled :

TP40-4FTMS

Tgt Ion: 99 Resp: 1225513

Ion Ratio Lower Upper

99 100

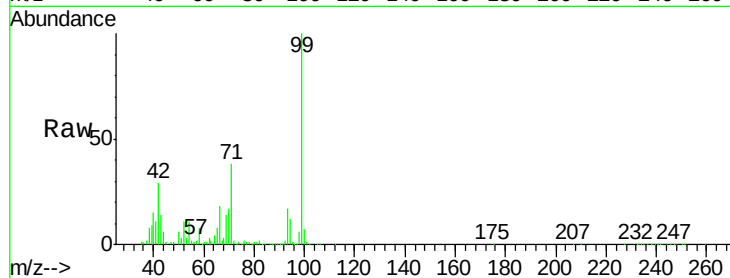
42 28.6 13.6 20.4#

71 38.1 24.6 36.8#

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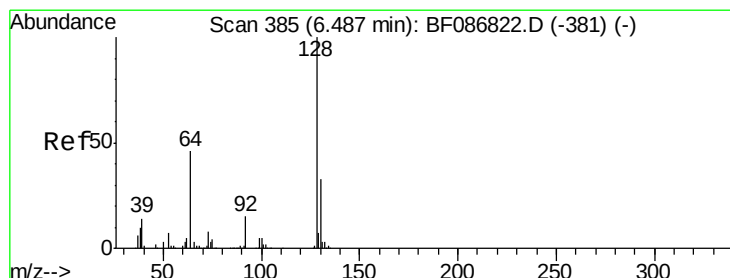
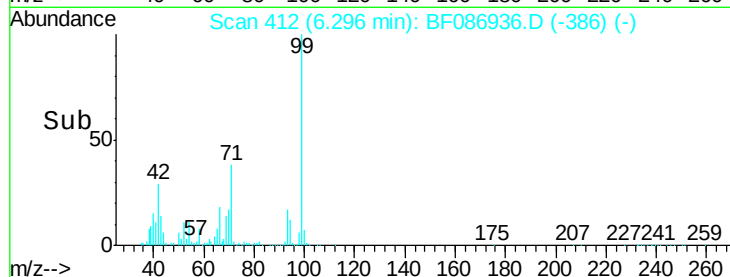
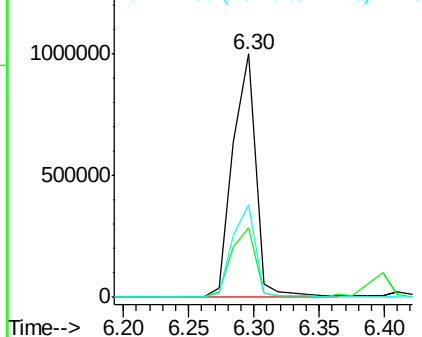
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 33.05 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

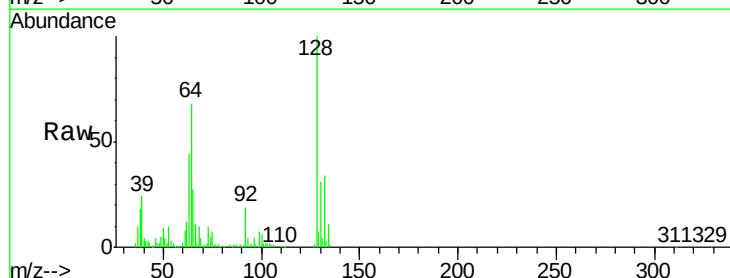
Tgt Ion: 128 Resp: 363957

Ion Ratio Lower Upper

128 100

130 31.4 12.5 52.5

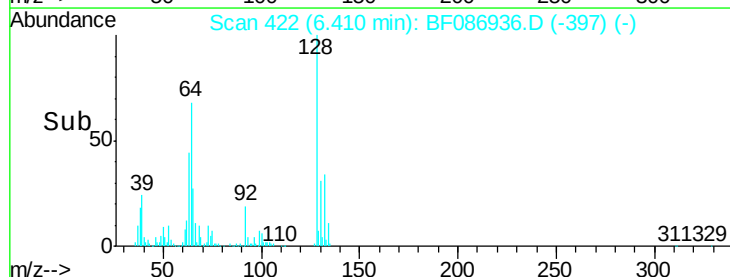
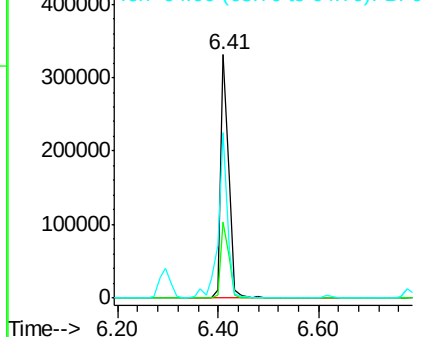
64 68.3 27.3 67.3#

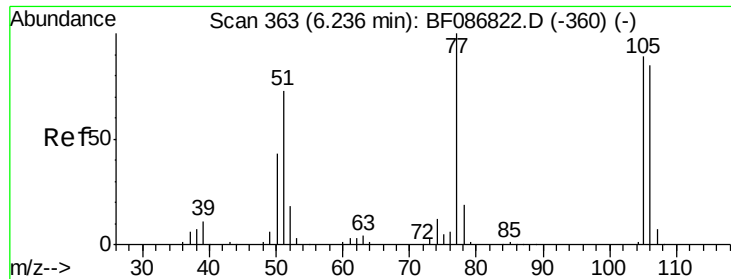


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.81 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

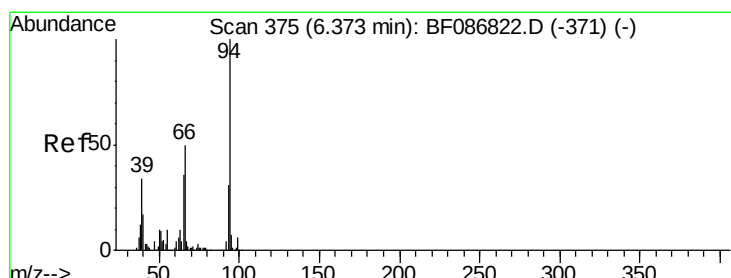
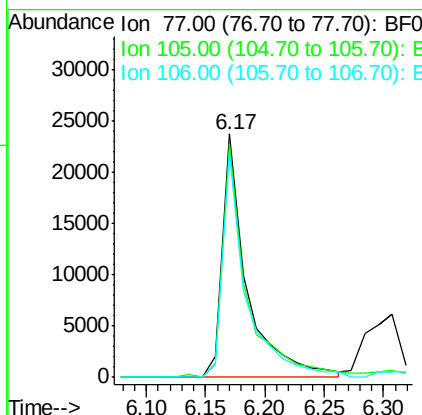
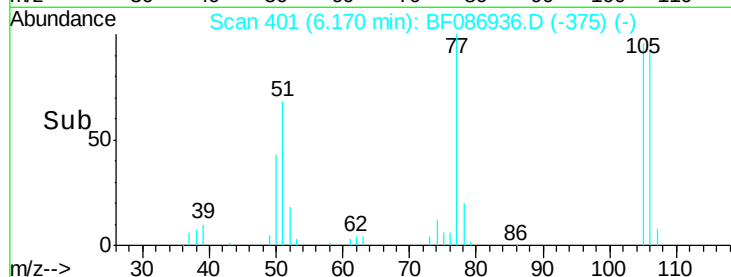
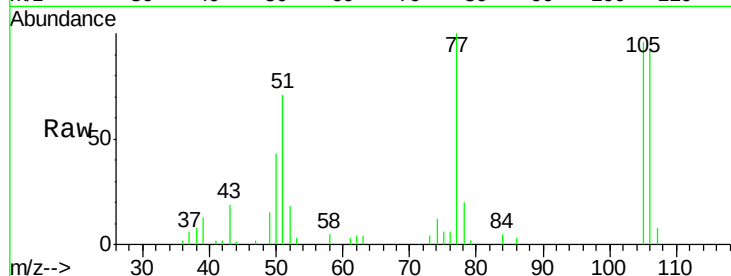
ClientSampleId :

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Tgt Ion:	77	Resp:	33985
Ion	Ratio	Lower	Upper
77	100		
105	95.9	72.7	112.7
106	92.3	70.8	110.8



#10

Phenol

Concen: 35.00 ng

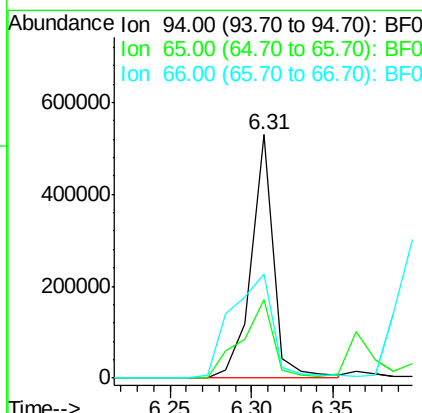
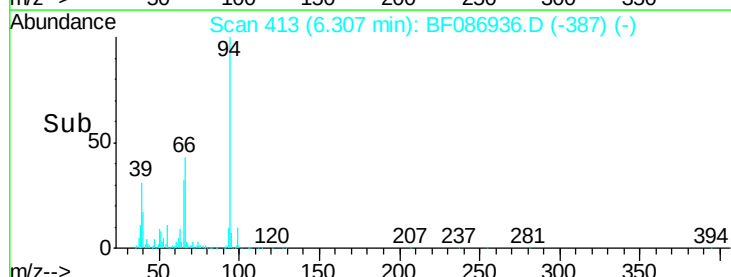
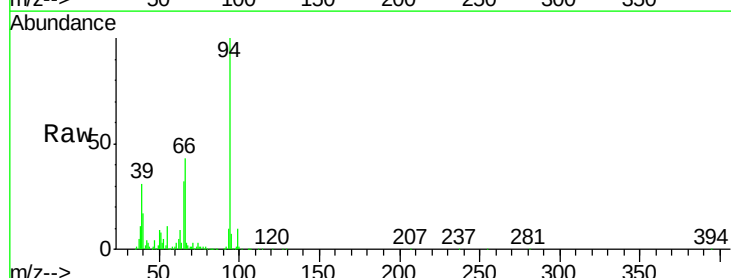
RT: 6.31 min Scan# 413

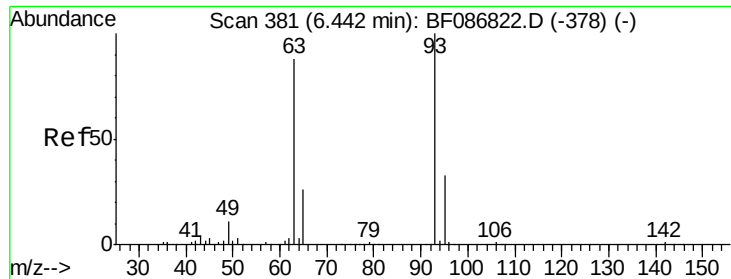
Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:	94	Resp:	507497
Ion	Ratio	Lower	Upper
94	100		
65	32.0	7.2	47.2
66	42.5	14.9	54.9





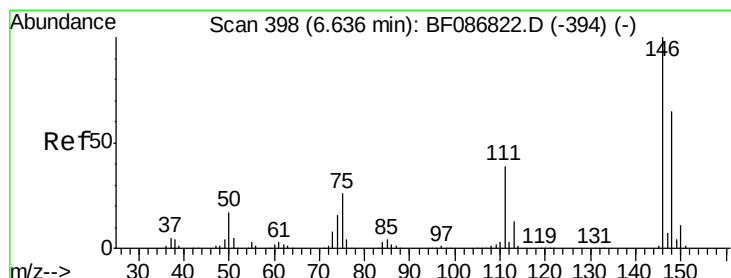
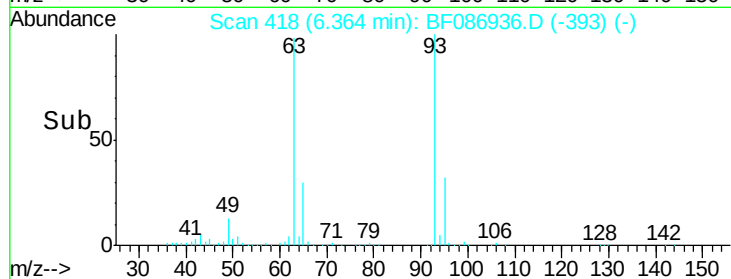
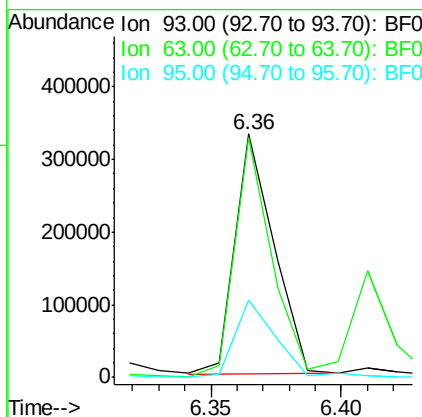
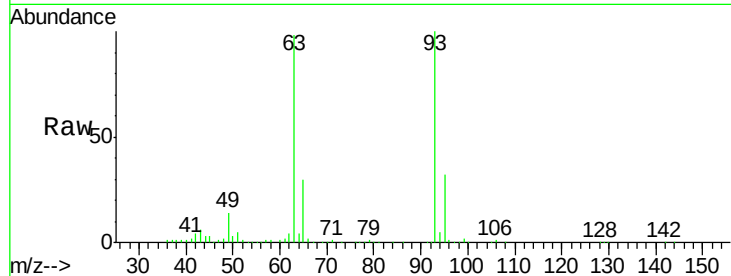
#11
bis(2-Chloroethyl)ether
Concen: 30.69 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
63	98.4	58.0	98.0#
95	31.6	11.9	51.9

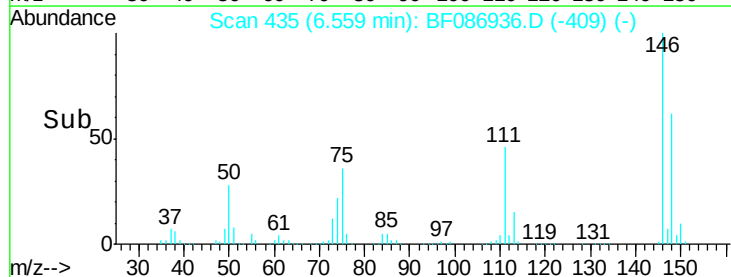
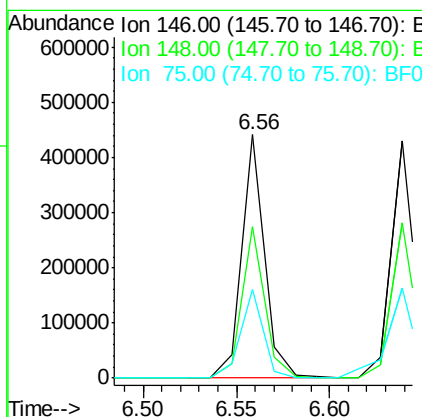
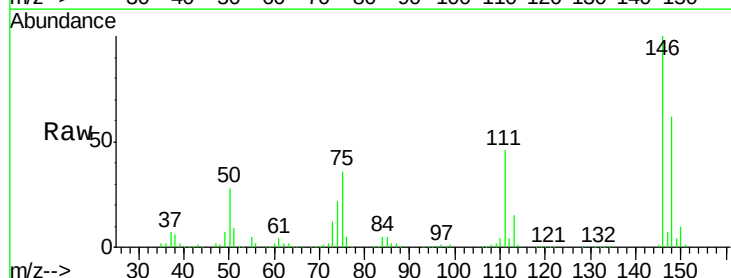
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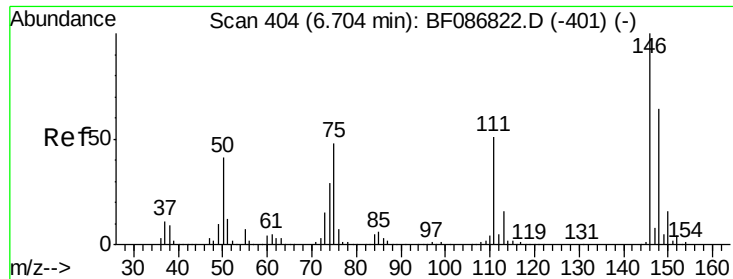
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#12
1,3-Dichlorobenzene
Concen: 31.63 ng
RT: 6.56 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	62.2	52.4	78.6
75	36.5	22.8	34.2#





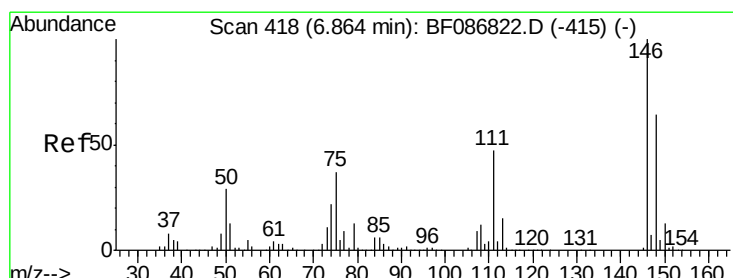
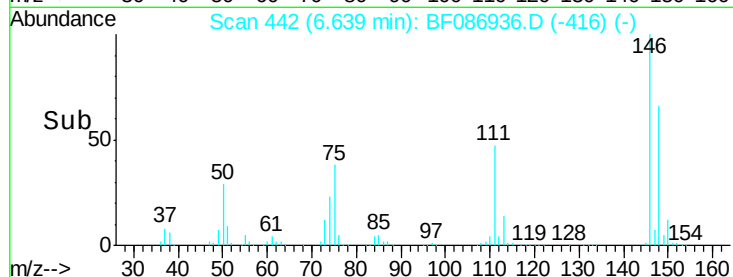
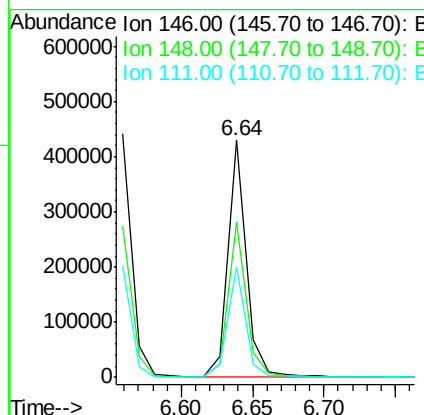
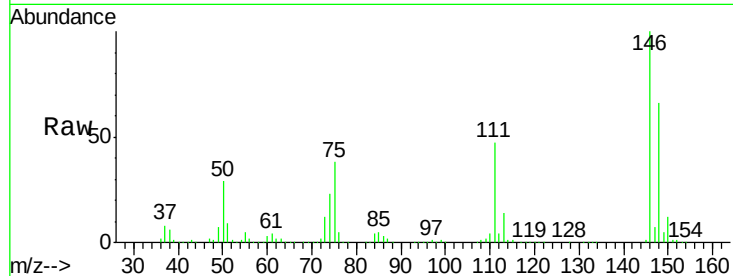
#13
 1,4-Dichlorobenzene
 Concen: 31.52 ng m
 RT: 6.64 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.2	78.4
111	46.7	30.7	46.1#

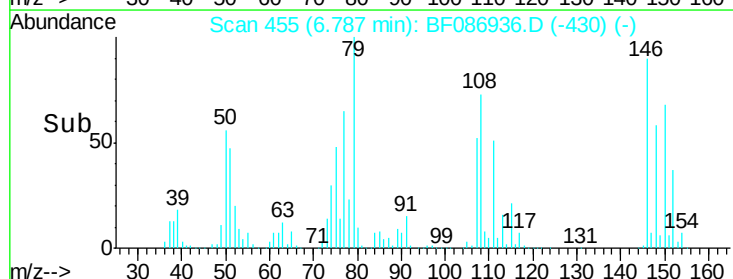
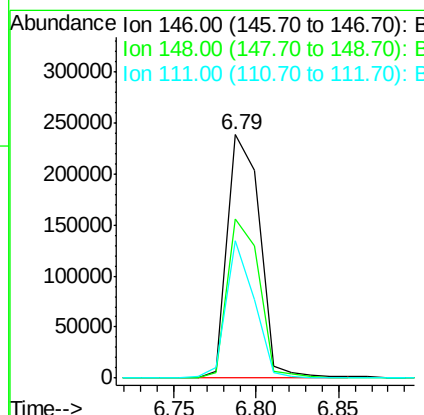
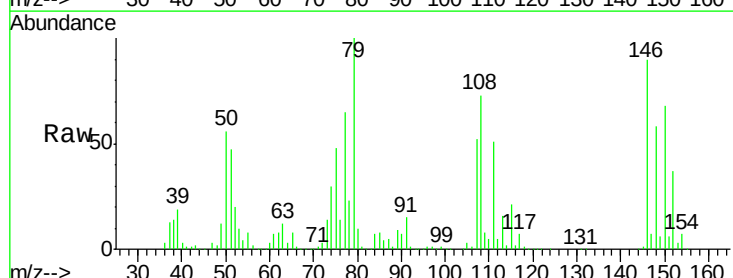
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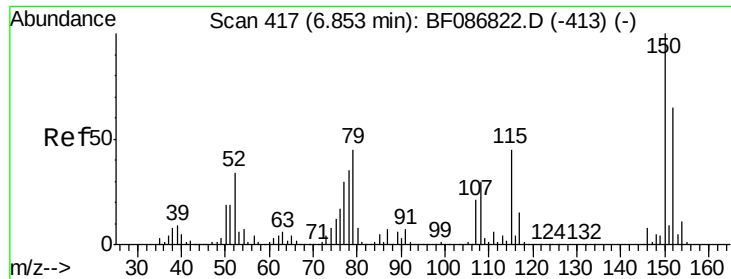
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#14
 1,2-Dichlorobenzene
 Concen: 30.49 ng m
 RT: 6.79 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.6
111	56.7	36.2	54.4#





#15

Benzyl Alcohol

Concen: 39.13 ng

RT: 6.79 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

TP40-4FTMS

Tgt Ion: 79 Resp: 329542
Ion Ratio Lower Upper

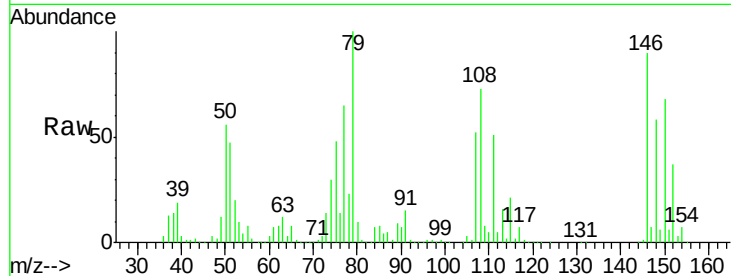
79 100

108 73.3 68.4 102.6

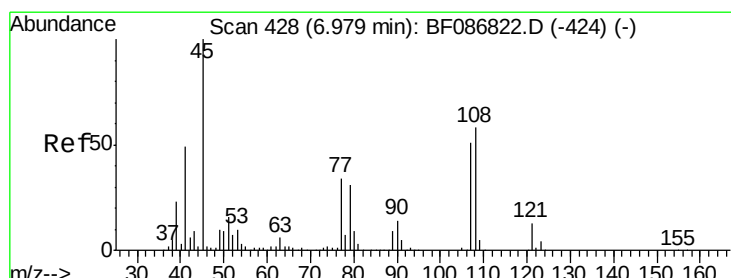
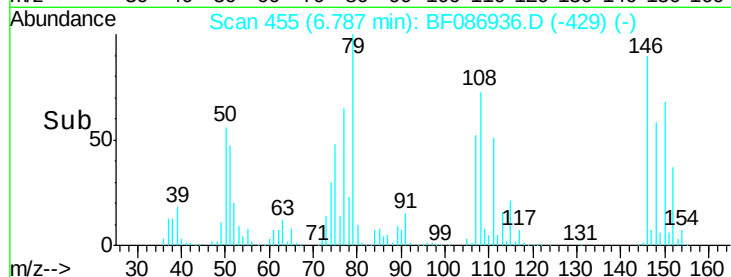
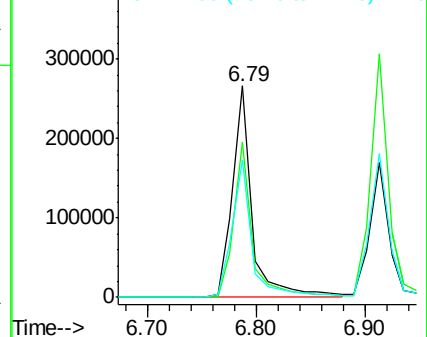
77 65.0 50.6 76.0

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Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.06 ng

RT: 6.91 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF086936.D

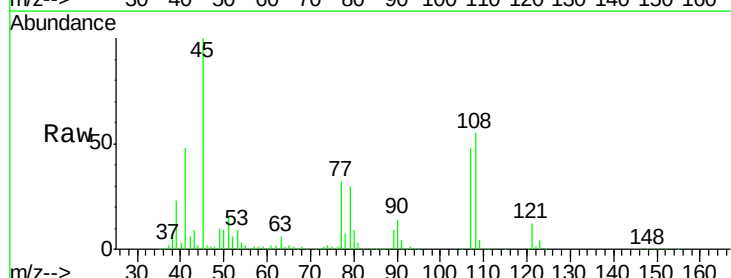
Acq: 12 May 2016 17:55

Tgt Ion: 45 Resp: 738782
Ion Ratio Lower Upper

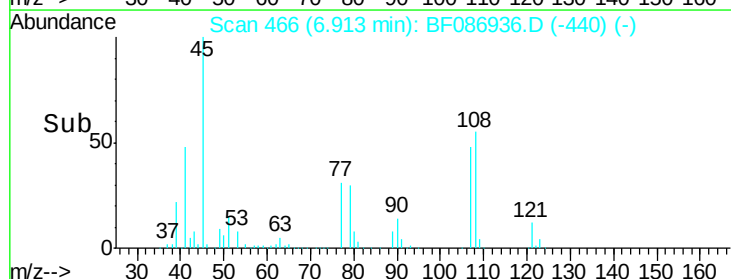
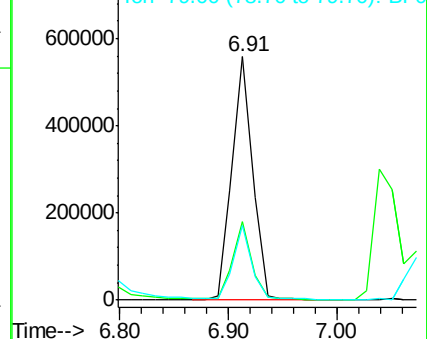
45 100

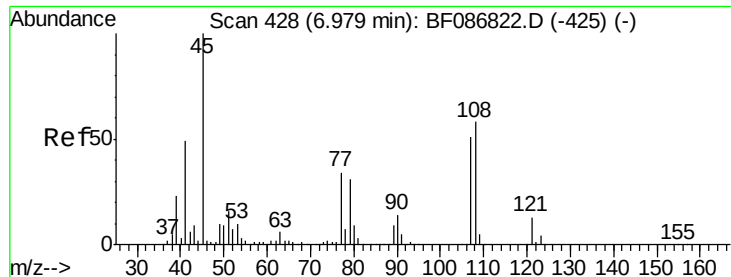
77 32.5 0.0 36.4

79 30.4 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 34.86 ng

RT: 6.91 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

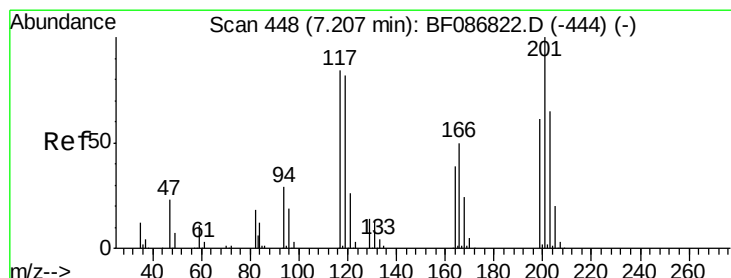
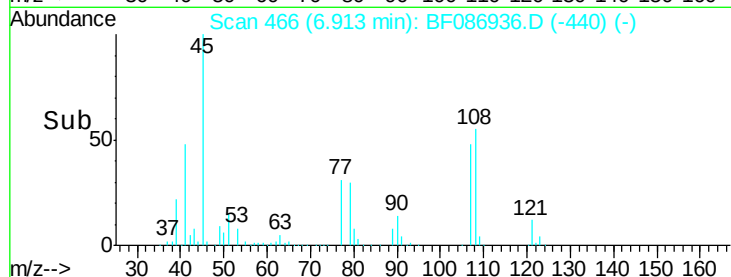
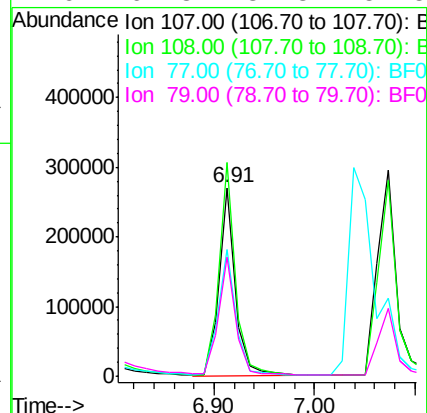
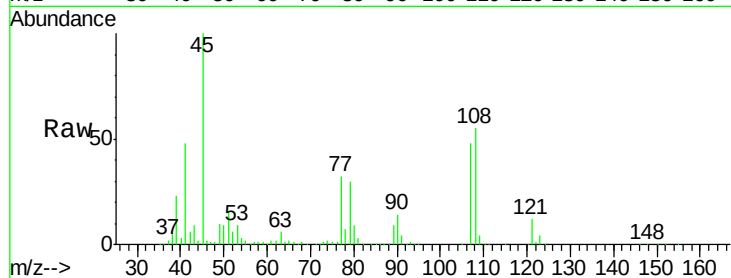
ClientSampleId :

TP40-4FTMS

Tgt	Ion	107	Resp	305452
Ion	Ratio	Lower	Upper	
107	100			
108	113.1	93.7	140.5	
77	67.0	33.4	50.0	#
79	62.8	34.3	51.5	#

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#18

Hexachloroethane

Concen: 31.12 ng

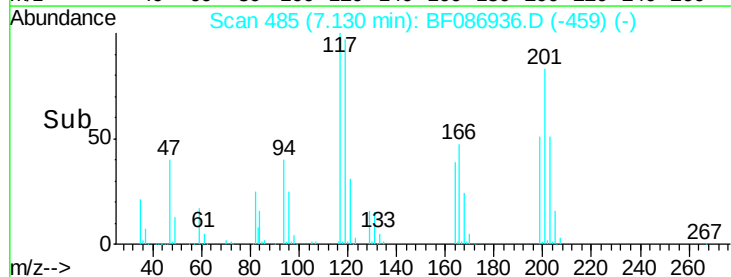
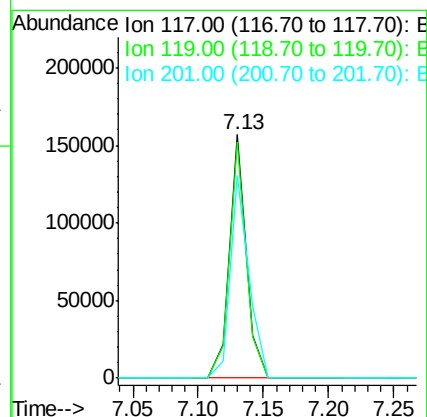
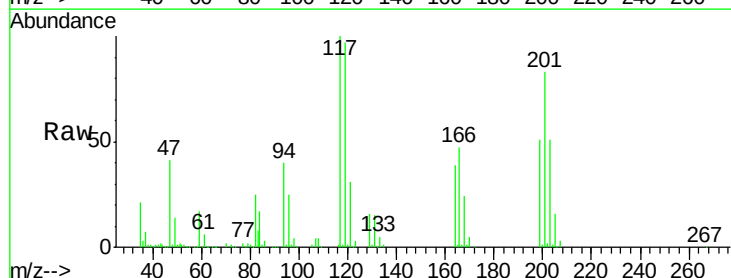
RT: 7.13 min Scan# 485

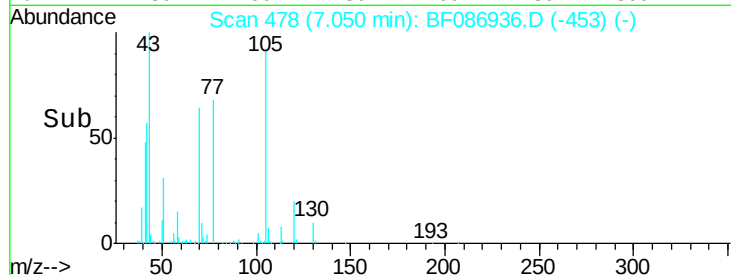
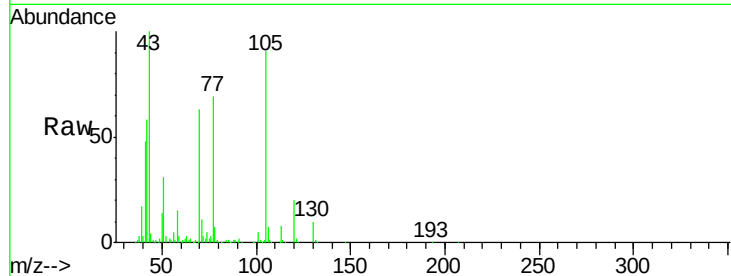
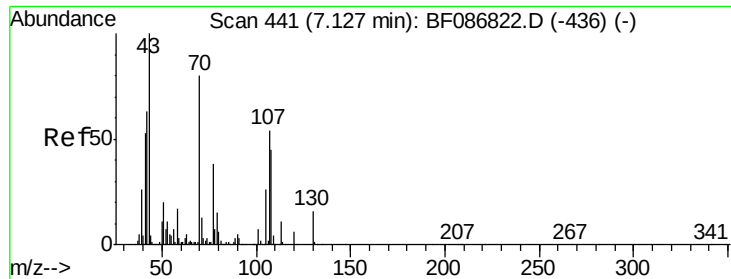
Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt	Ion	117	Resp	142293
Ion	Ratio	Lower	Upper	
117	100			
119	97.1	76.5	114.7	
201	83.1	63.0	94.6	





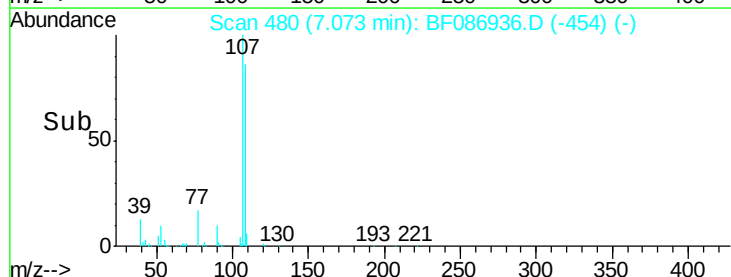
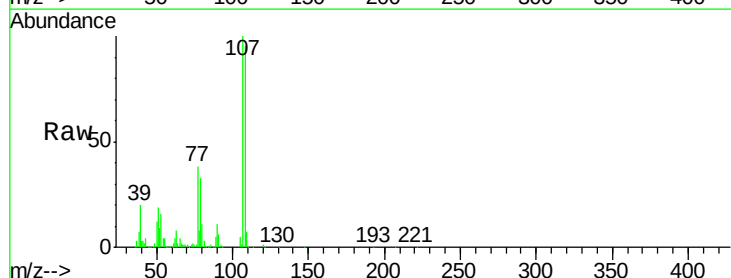
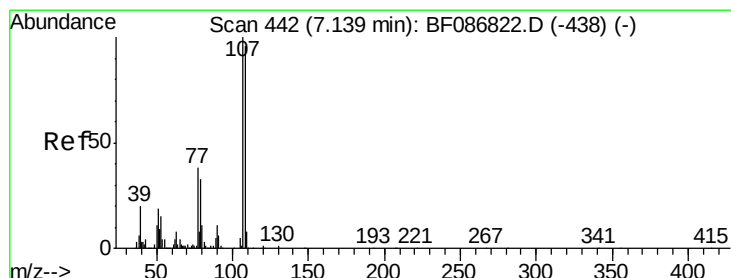
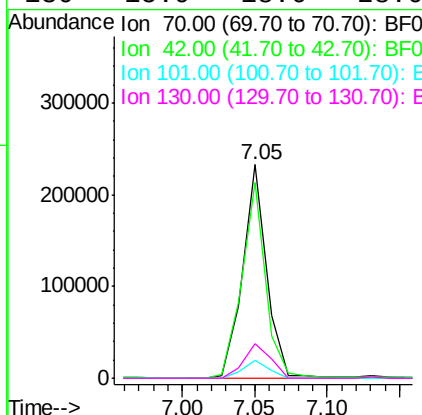
#19
n-Nitroso-di-n-propylamine
Concen: 31.34 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
42	91.9	43.1	64.7#
101	8.6	8.1	12.1
130	15.9	18.6	28.0#

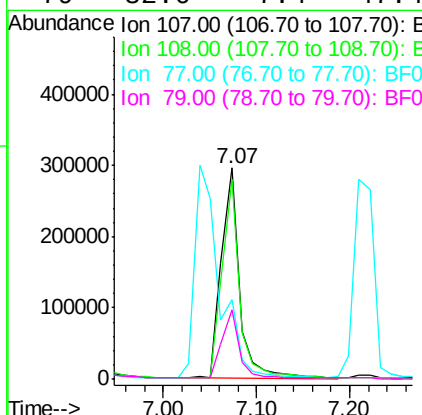
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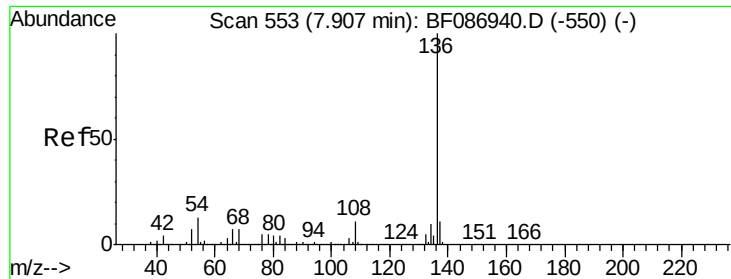
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#20
3+4-Methylphenols
Concen: 35.03 ng
RT: 7.07 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	94.6	68.5	108.5
77	37.8	101.6	141.6#
79	32.6	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF086936.D

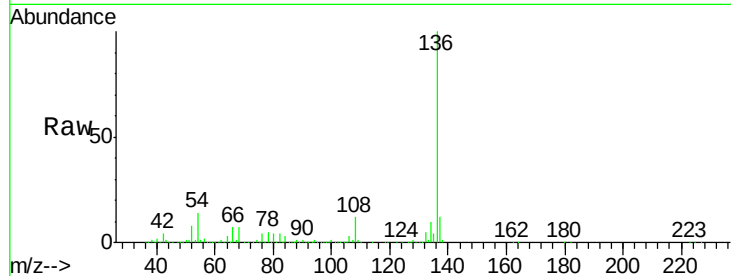
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

TP40-4FTMS



Tgt Ion:136 Resp: 628203

Ion Ratio Lower Upper

136 100

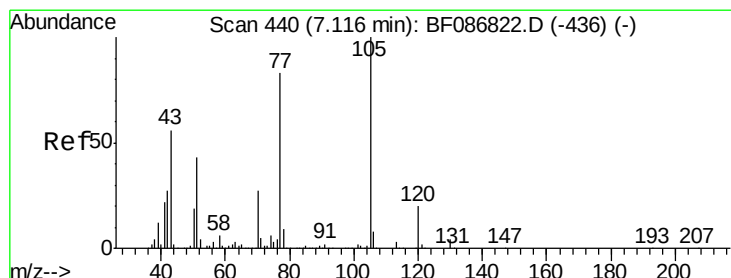
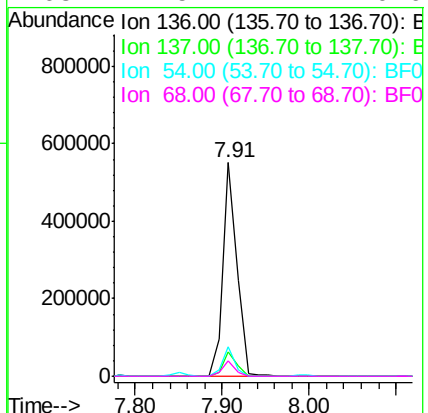
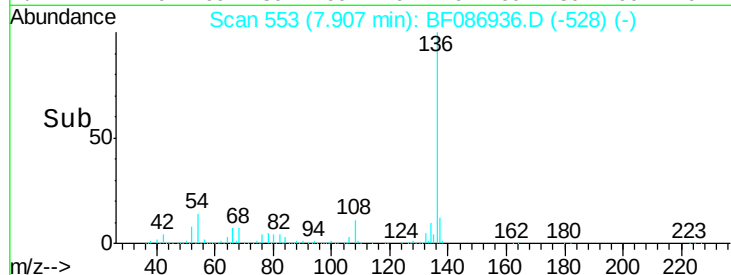
137 11.6 8.8 13.2

54 14.0 5.0 7.4#

68 7.5 4.4 6.6#

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#22

Acetophenone

Concen: 34.90 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:105 Resp: 517893

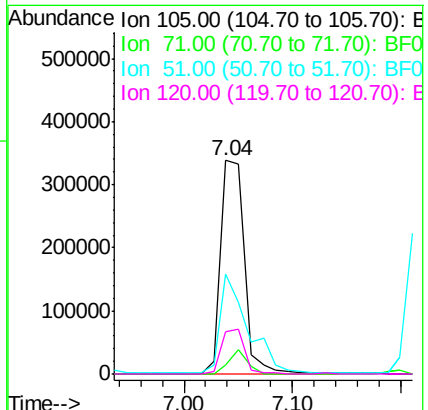
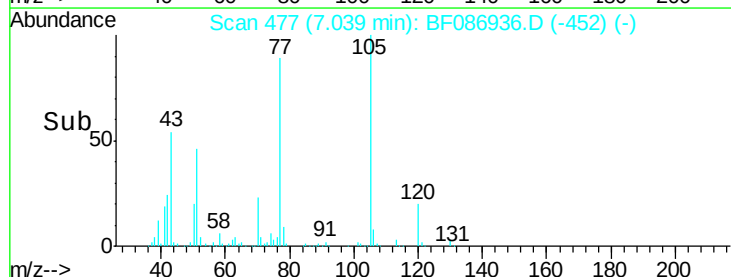
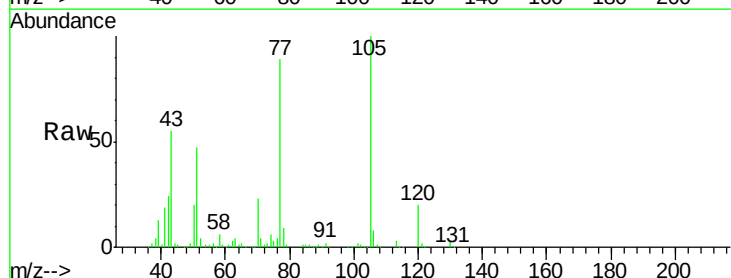
Ion Ratio Lower Upper

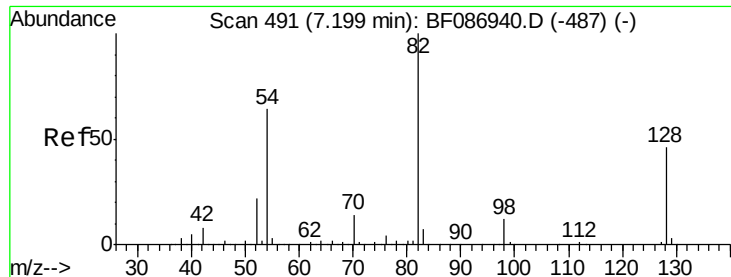
105 100

71 4.0 4.8 7.2#

51 46.6 32.6 49.0

120 19.8 16.5 24.7





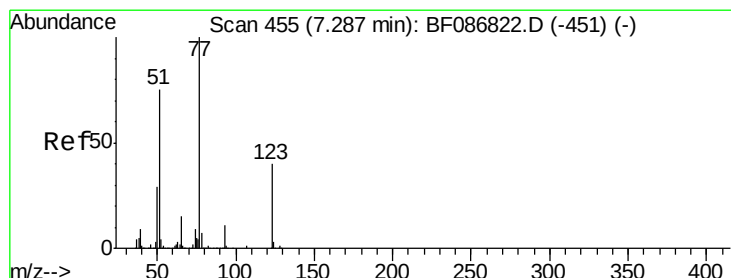
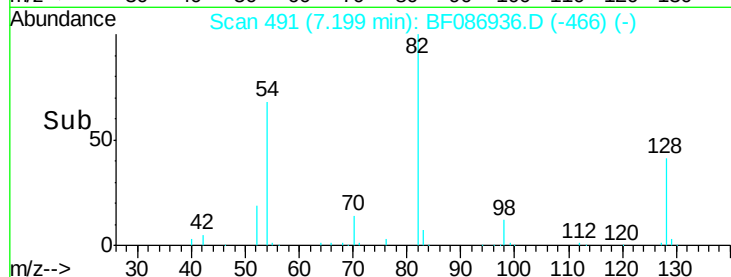
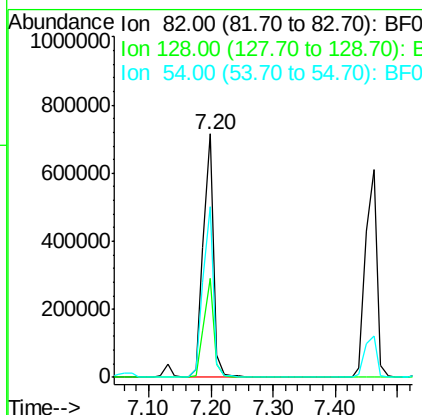
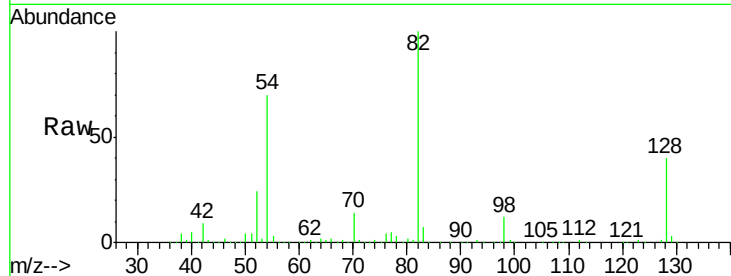
#23
 Nitrobenzene-d5
 Concen: 66.87 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	40.5	40.6	61.0#
54	70.0	38.1	57.1#

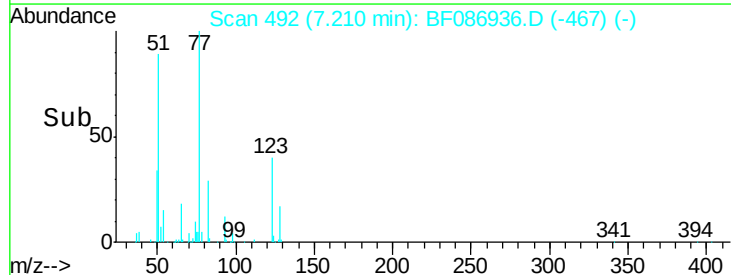
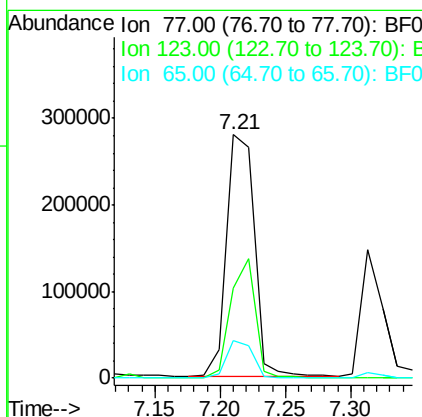
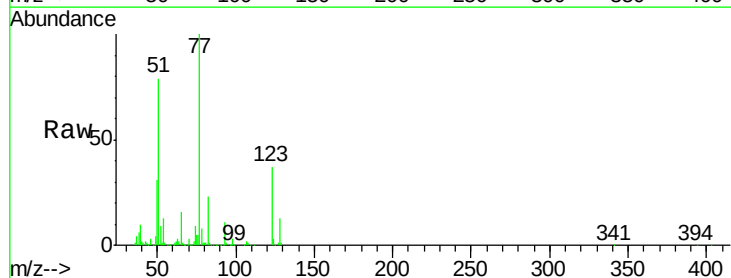
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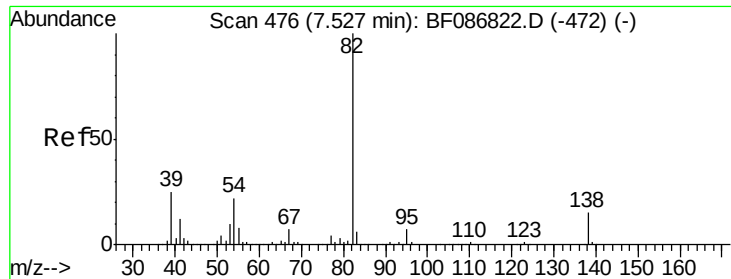
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#24
 Nitrobenzene
 Concen: 32.31 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
77	100		
123	37.0	33.0	49.4
65	15.6	10.8	16.2





#25

Isophorone

Concen: 32.94 ng

RT: 7.46 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

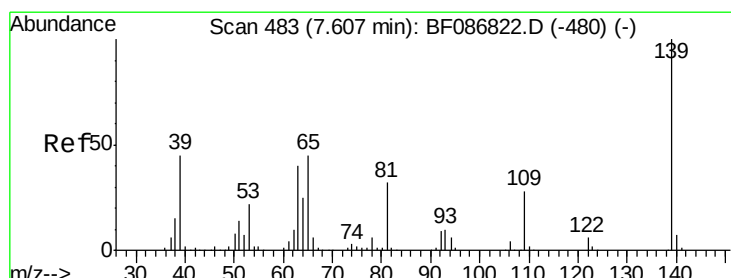
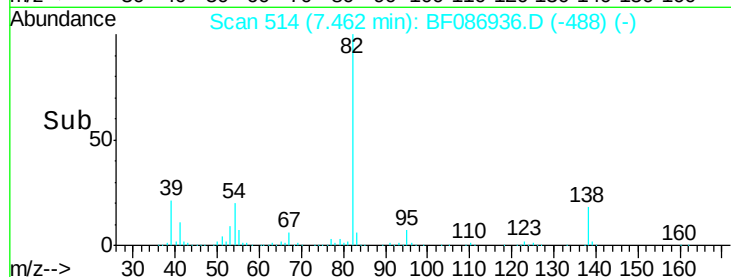
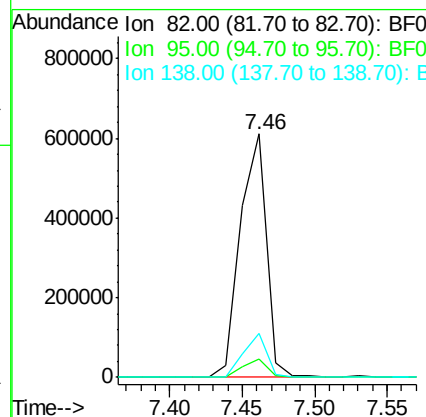
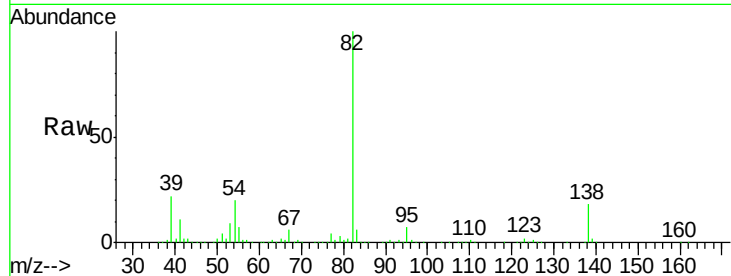
ClientSampleId :

TP40-4FTMS

Tgt Ion:	82	Resp:	764514
Ion Ratio	Lower	Upper	
82	100		
95	7.5	5.1	7.7
138	18.2	12.4	18.6

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#26

2-Nitrophenol

Concen: 32.43 ng

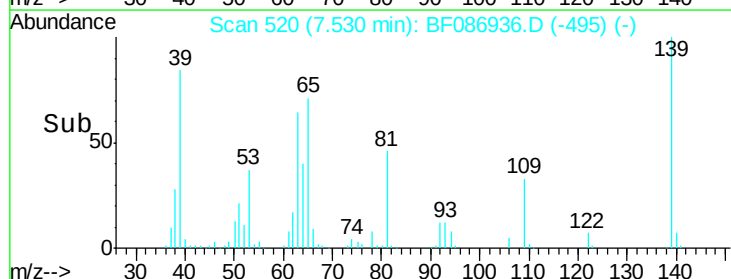
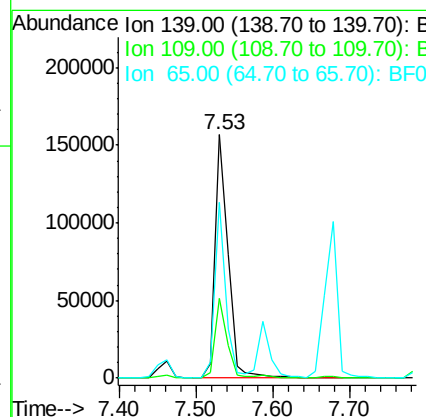
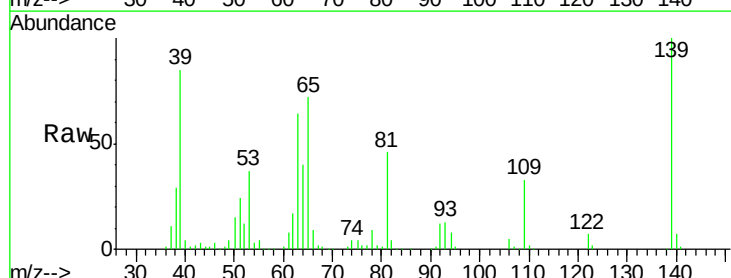
RT: 7.53 min Scan# 520

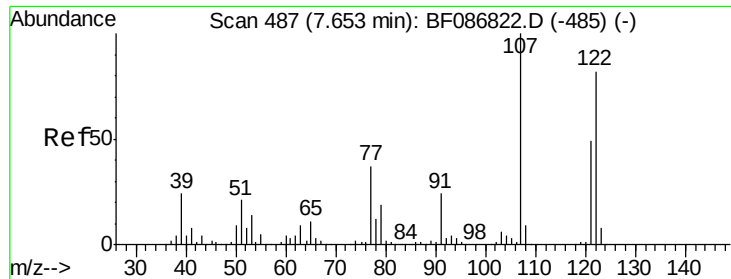
Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:	139	Resp:	183439
Ion Ratio	Lower	Upper	
139	100		
109	33.0	19.5	29.3#
65	72.0	37.5	56.3#





#27

2,4-Dimethylphenol

Concen: 31.98 ng

RT: 7.59 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

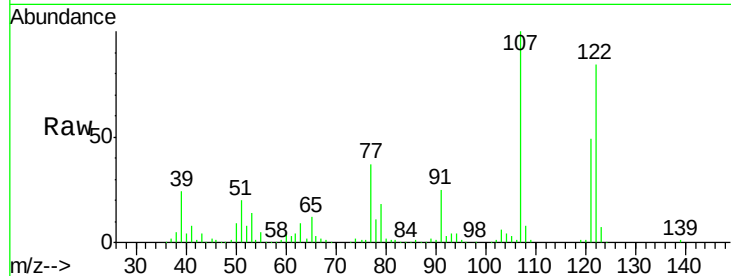
ClientSampleId :

TP40-4FTMS

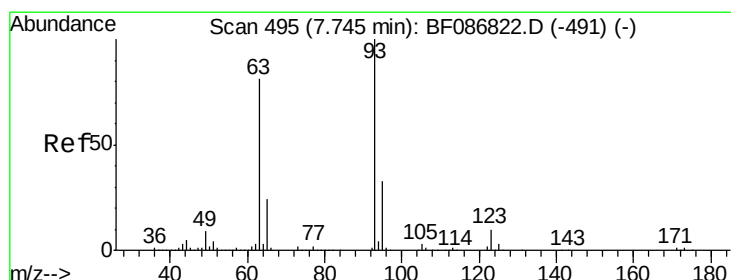
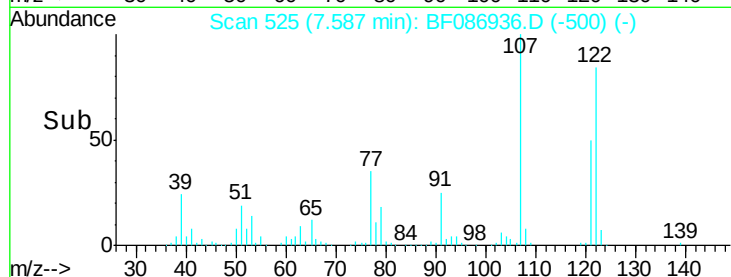
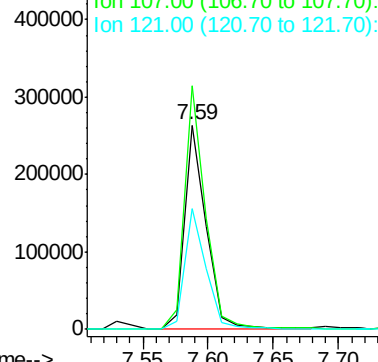
Tgt Ion:	122	Resp:	308197
Ion Ratio	Lower	Upper	
122	100		
107	119.4	82.0	123.0
121	59.1	46.1	69.1

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.36 ng

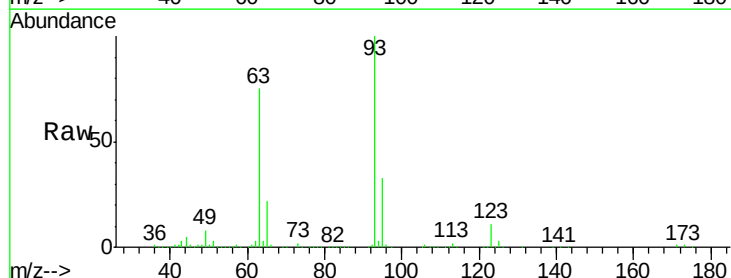
RT: 7.68 min Scan# 533

Delta R.T. 0.00 min

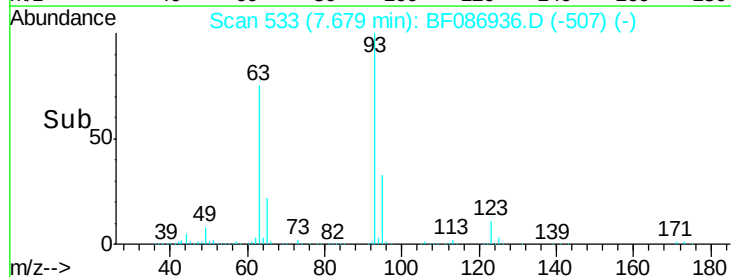
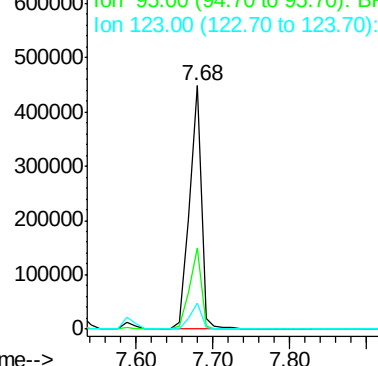
Lab File: BF086936.D

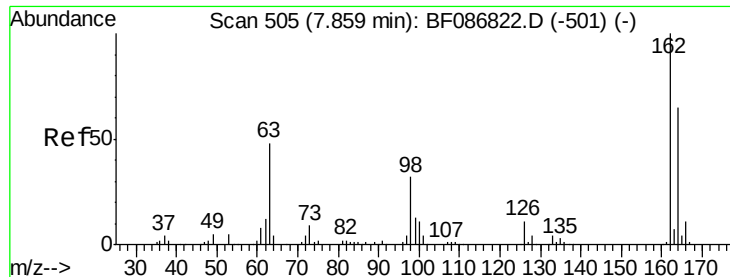
Acq: 12 May 2016 17:55

Tgt Ion:	93	Resp:	480297
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.0	39.0
123	10.6	9.5	14.3



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





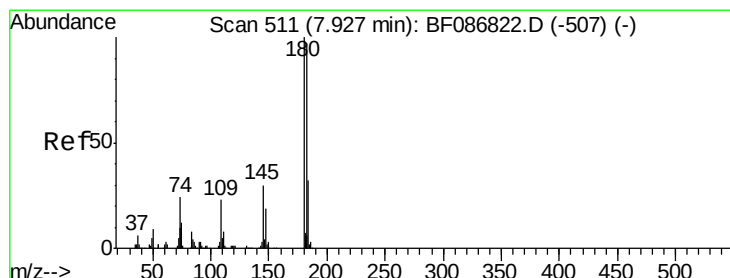
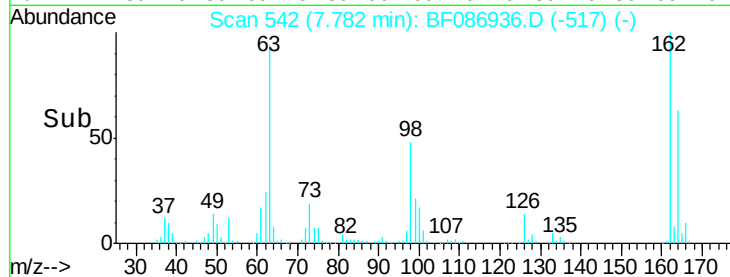
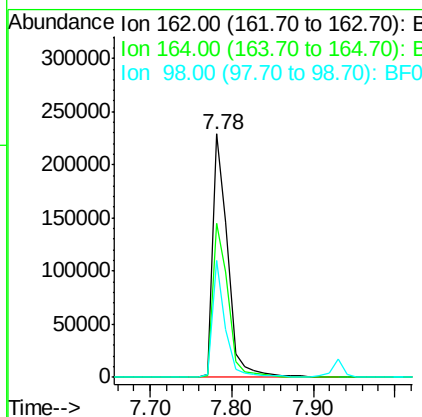
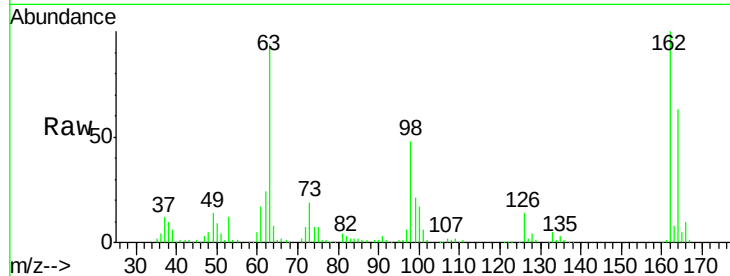
#29
2,4-Dichlorophenol
Concen: 34.65 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	293917		
164	63.4	42.2	82.2	
98	47.9	19.0	59.0	

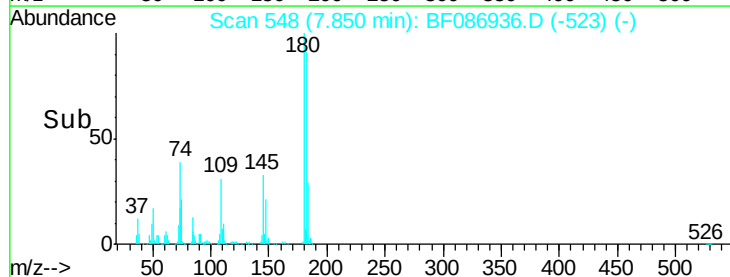
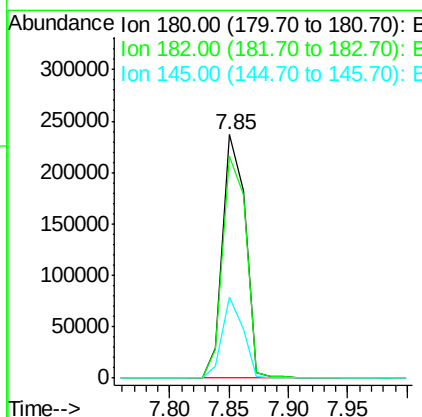
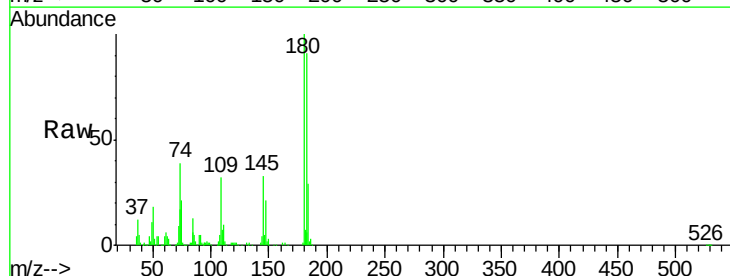
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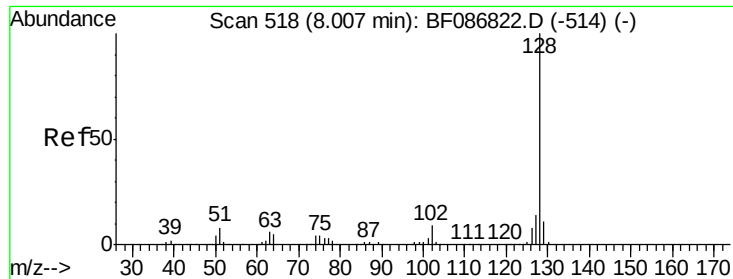
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#30
1,2,4-Trichlorobenzene
Concen: 33.23 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	315116		
182	91.1	78.0	117.0	
145	33.1	24.2	36.2	





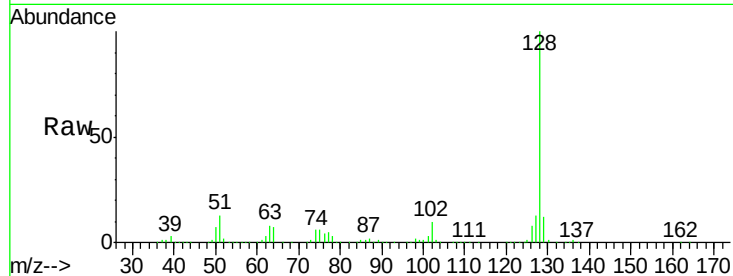
#31
Naphthalene
Concen: 32.79 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

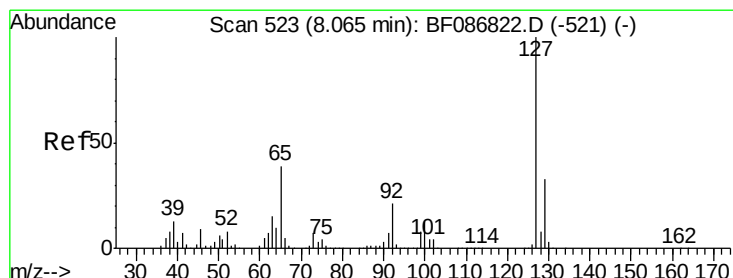
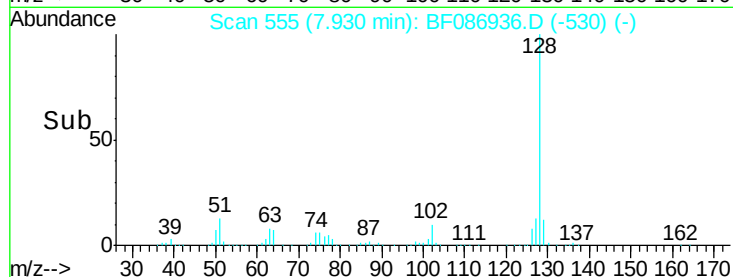
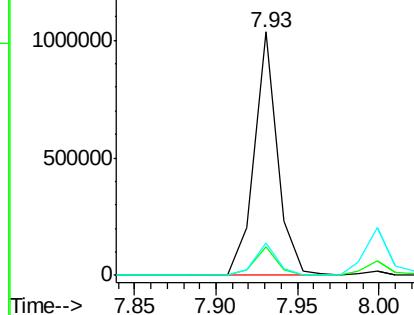
Tgt Ion:128 Resp: 1031872
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.5 10.8 16.2

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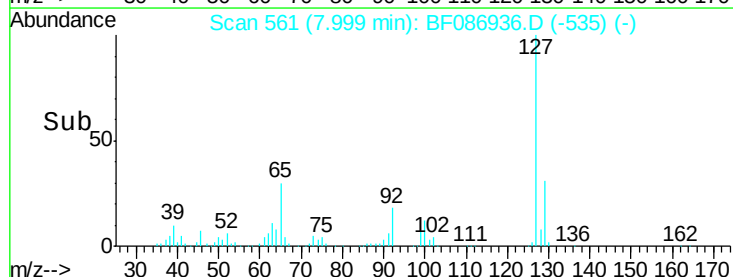
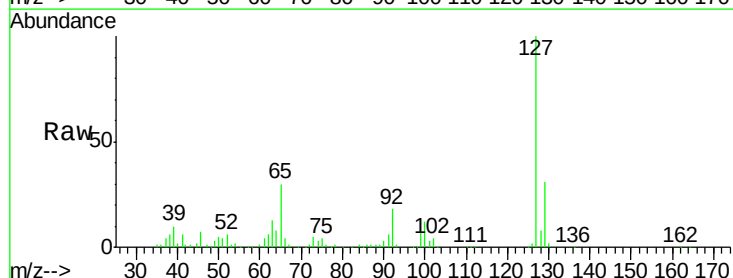
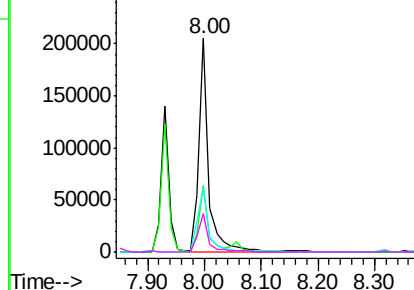
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

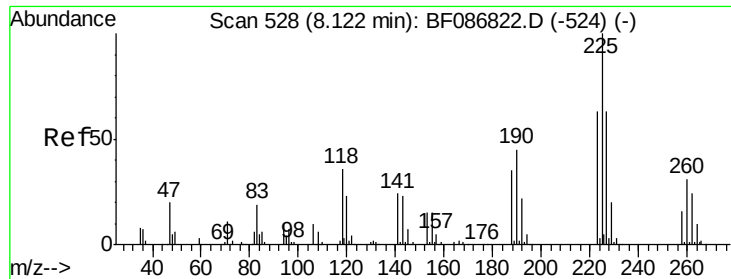


#33
4-Chloroaniline
Concen: 19.85 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion:127 Resp: 242716
Ion Ratio Lower Upper
127 100
129 31.1 26.2 39.4
65 30.3 23.0 34.4
92 18.0 15.1 22.7

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





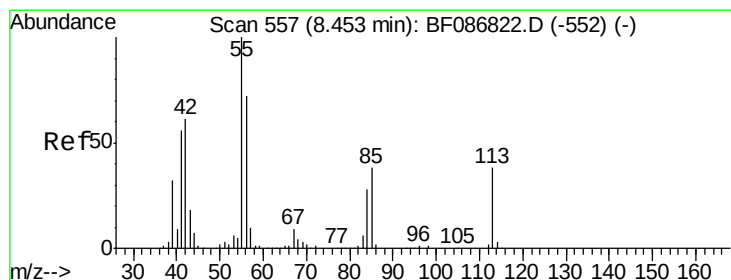
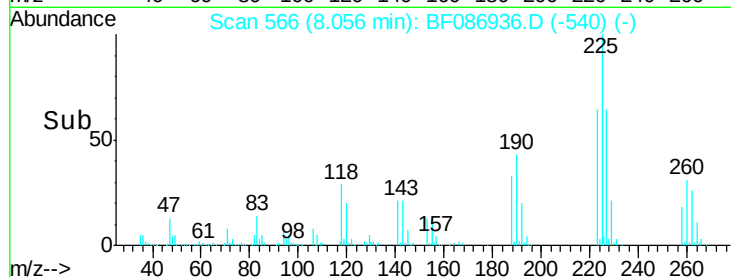
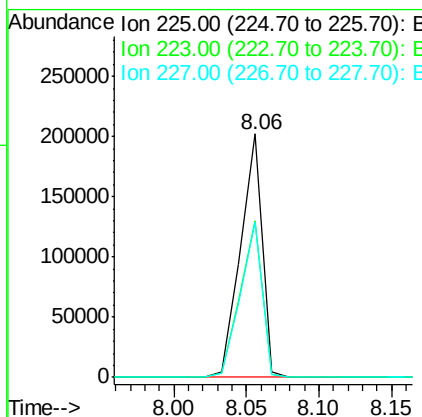
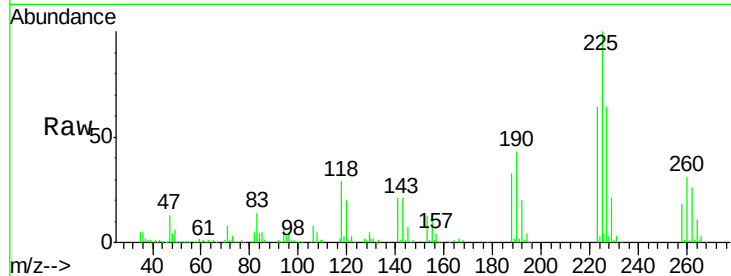
#34
Hexachlorobutadiene
Concen: 38.26 ng
RT: 8.06 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210544		
223	64.3	51.5	77.3	
227	64.0	52.2	78.2	

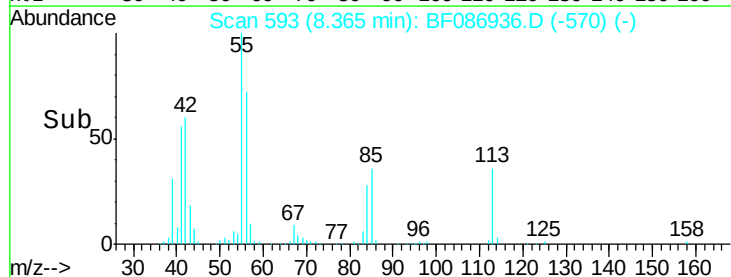
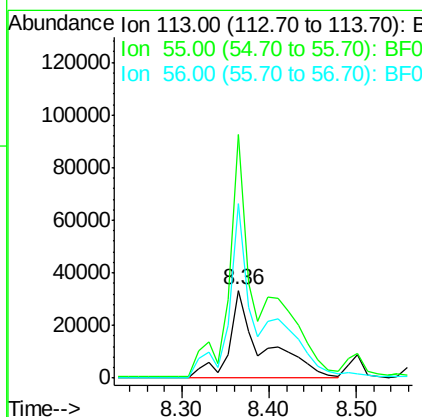
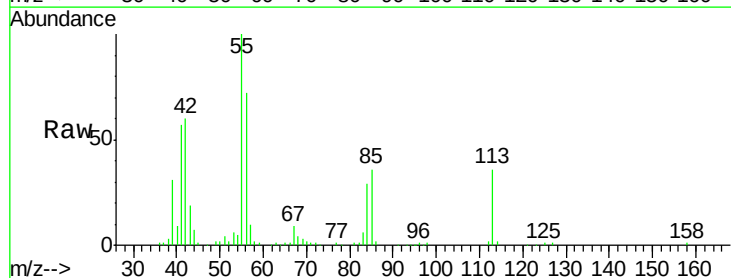
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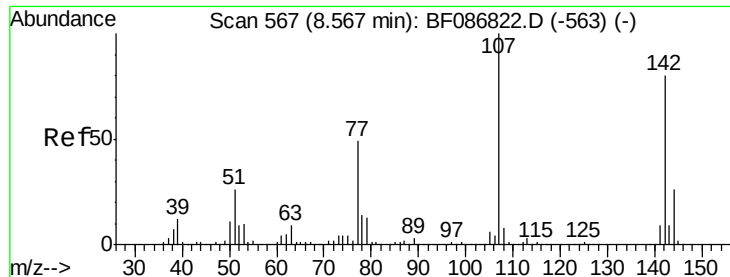
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#35
Caprolactam
Concen: 31.23 ng m
RT: 8.36 min Scan# 593
Delta R.T. -0.03 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	90132		
55	278.2	162.0	202.0#	
56	199.6	115.3	155.3#	





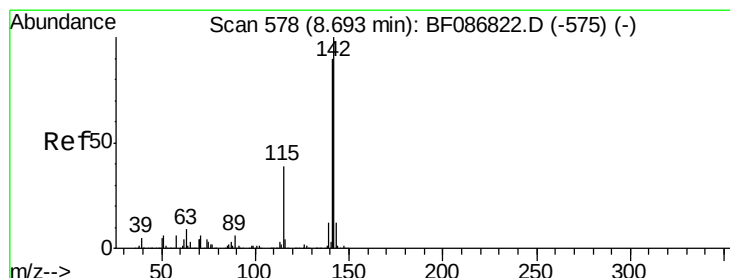
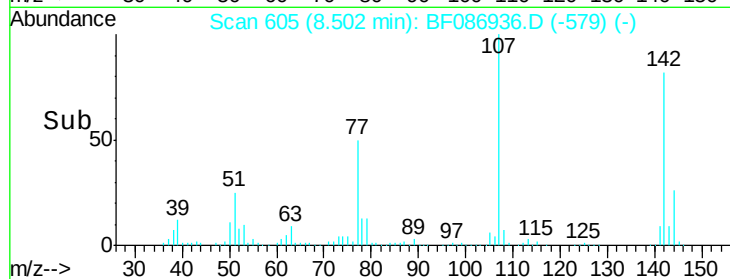
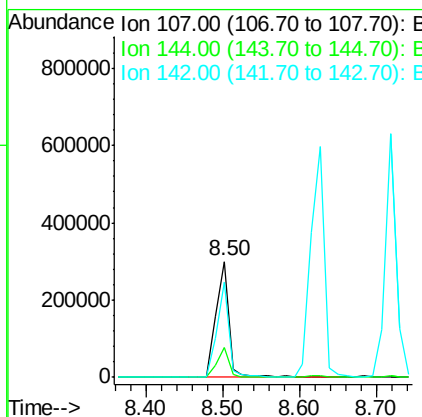
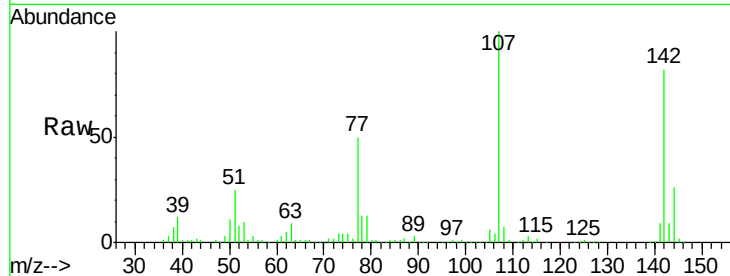
#36
 4-Chloro-3-methylphenol
 Concen: 34.24 ng
 RT: 8.50 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	352209		
144	26.3	20.7	31.1	
142	81.9	63.2	94.8	

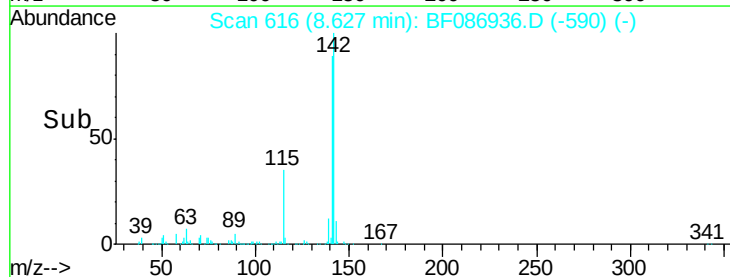
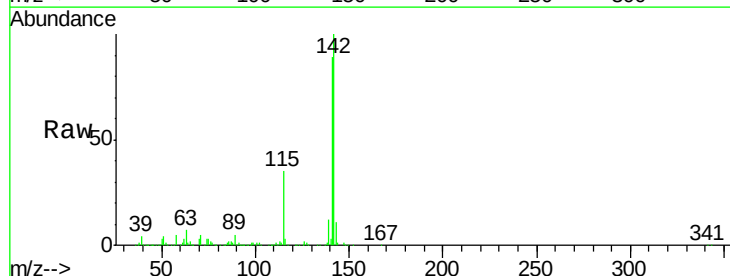
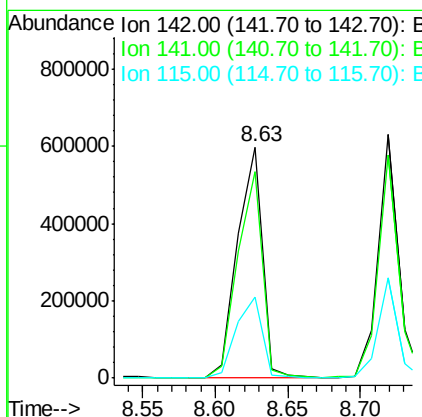
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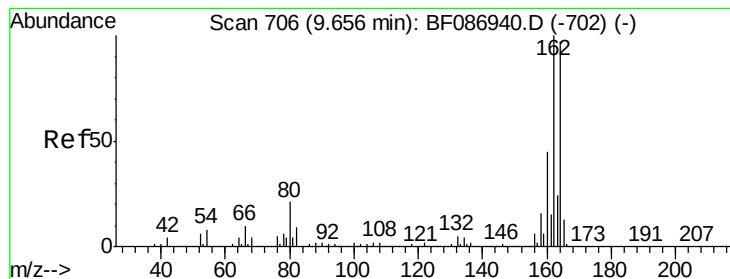
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#37
 2-Methylnaphthalene
 Concen: 39.19 ng
 RT: 8.63 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	720895		
141	89.3	71.0	106.6	
115	35.2	26.6	39.8	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF086936.D

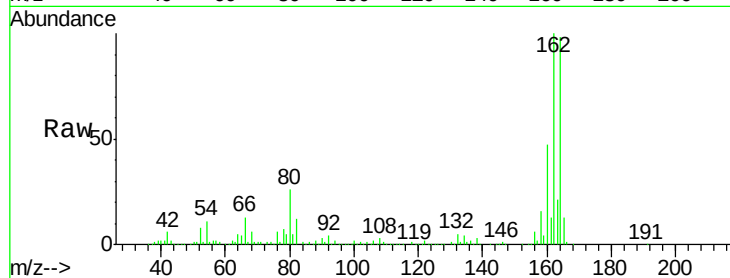
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

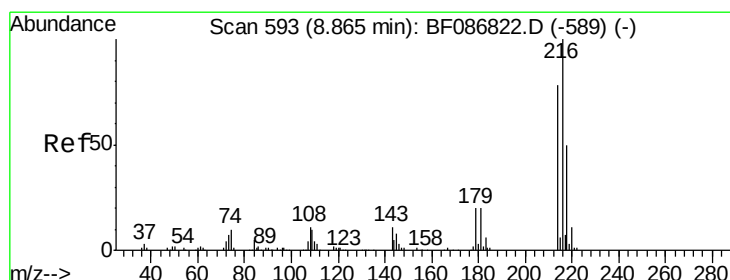
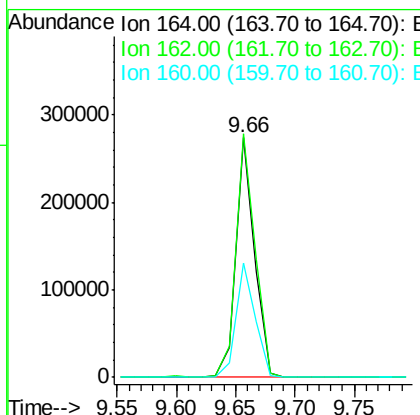
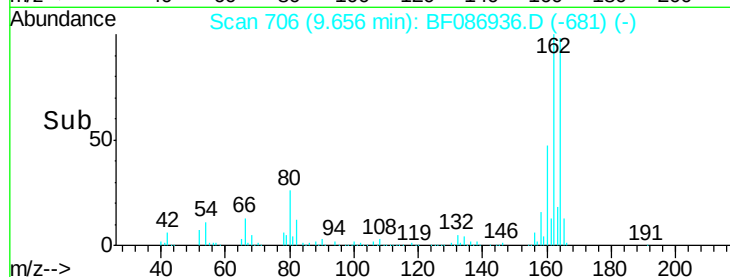
TP40-4FTMS



Tgt Ion:	164	Resp:	300327
Ion Ratio	Lower	Upper	
164	100		
162	101.6	82.8	124.2
160	47.6	36.9	55.3

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#39

1,2,4,5-Tetrachlorobenzene

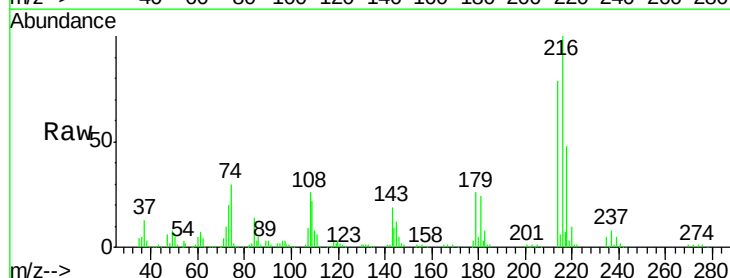
Concen: 37.23 ng

RT: 8.79 min Scan# 630

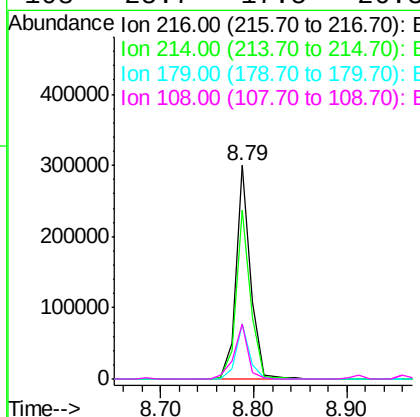
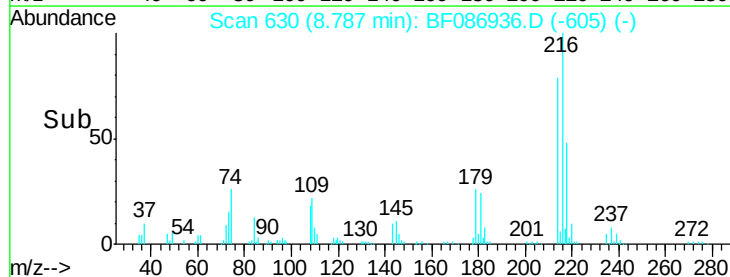
Delta R.T. -0.01 min

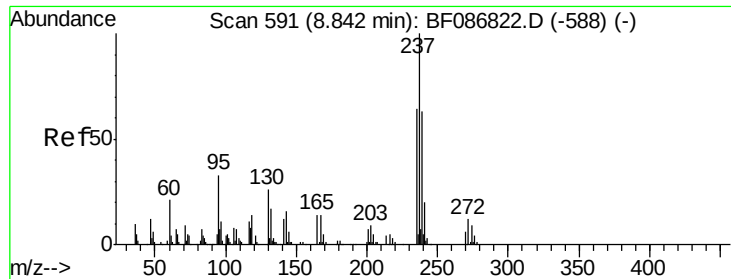
Lab File: BF086936.D

Acq: 12 May 2016 17:55



Tgt Ion:	216	Resp:	325080
Ion Ratio	Lower	Upper	
216	100		
214	78.8	62.6	93.8
179	24.0	18.2	27.4
108	25.7	17.5	26.3





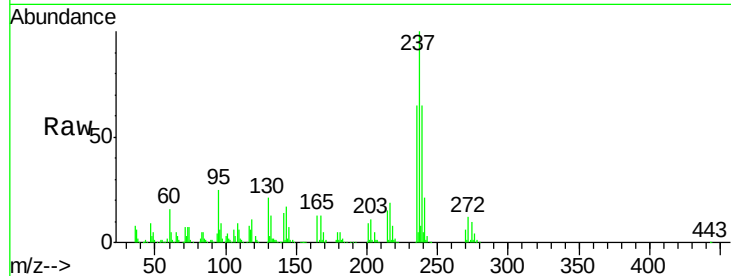
#40
Hexachlorocyclopentadiene
Concen: 59.15 ng
RT: 8.78 min Scan# 629
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

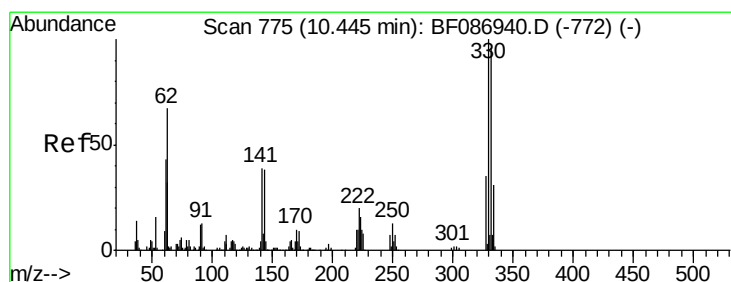
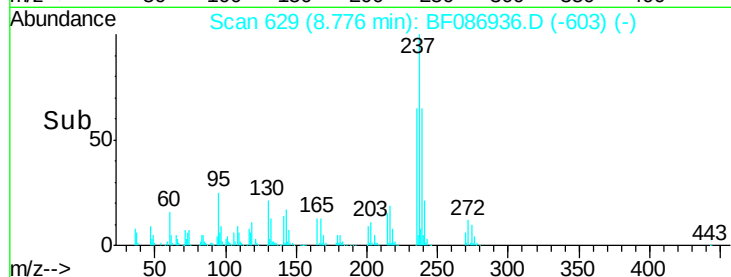
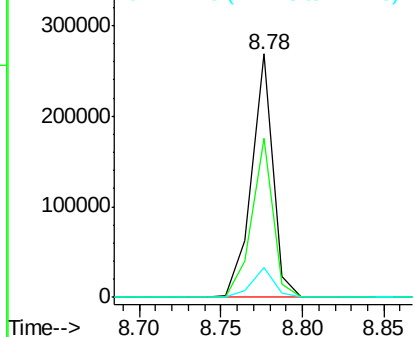
Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	65.3	47.2	87.2
272	12.3	0.0	31.1

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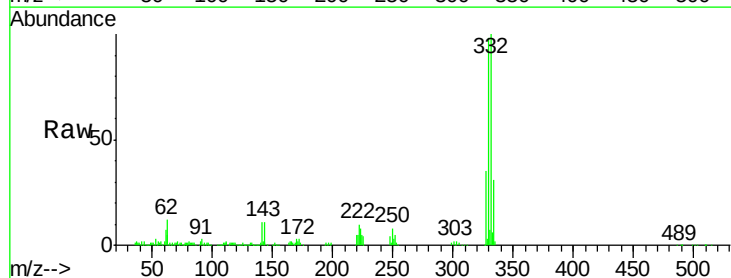


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

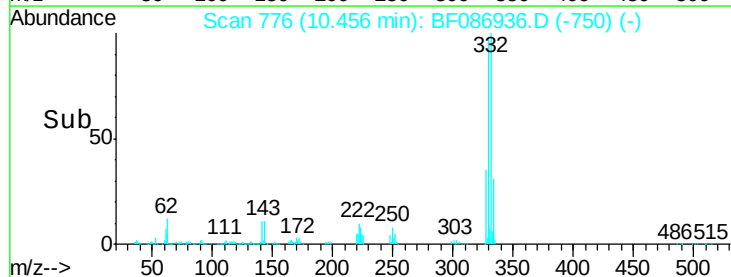
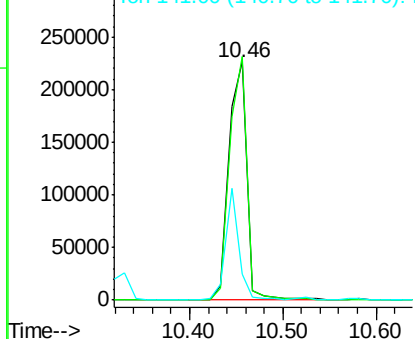


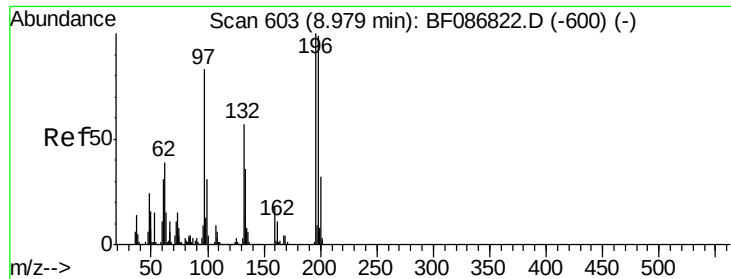
#41
2,4,6-Tribromophenol
Concen: 96.91 ng
RT: 10.46 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	99.4	79.0	118.4
141	34.3	31.2	46.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





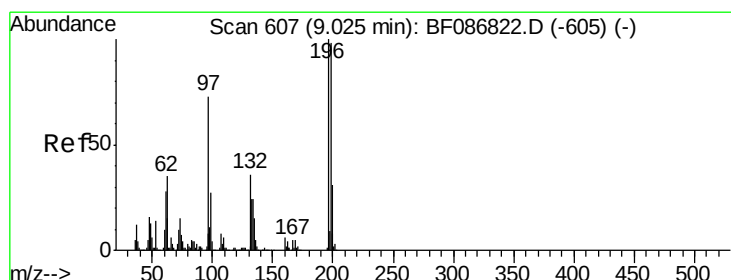
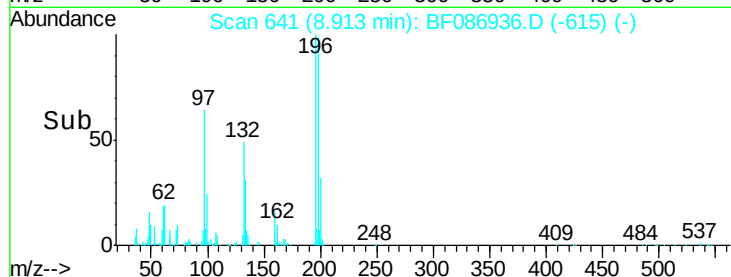
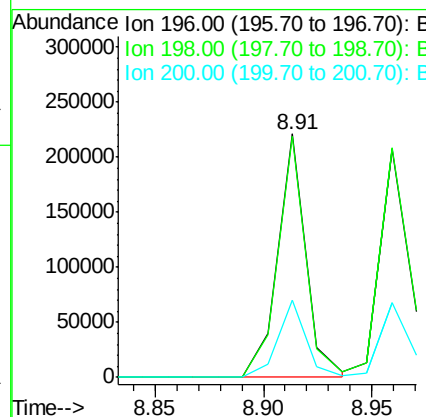
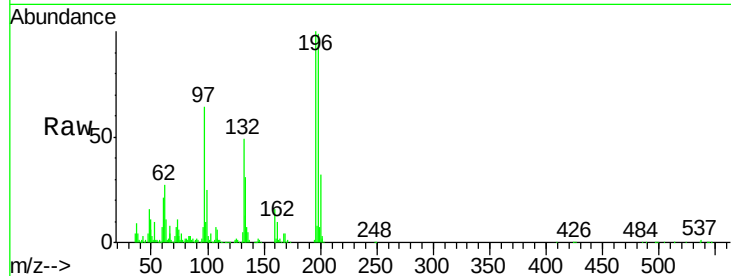
#42
2,4,6-Trichlorophenol
Concen: 34.38 ng
RT: 8.91 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	200767		
198	98.9	74.7	112.1	
200	31.8	23.8	35.6	

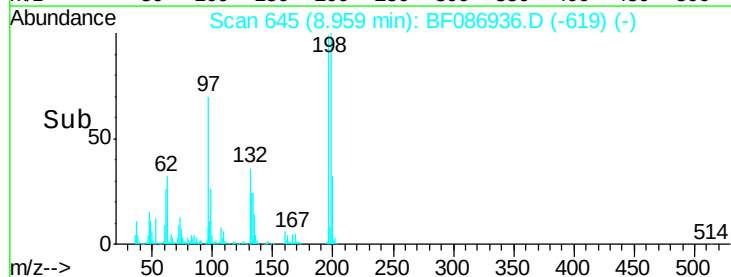
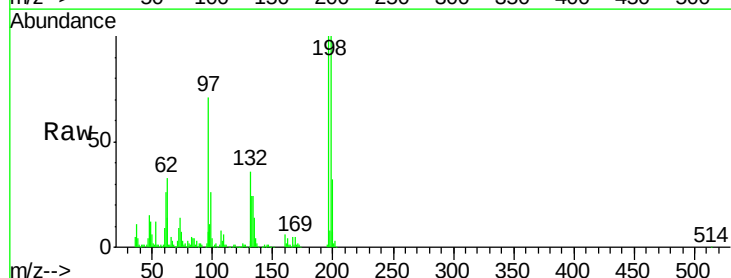
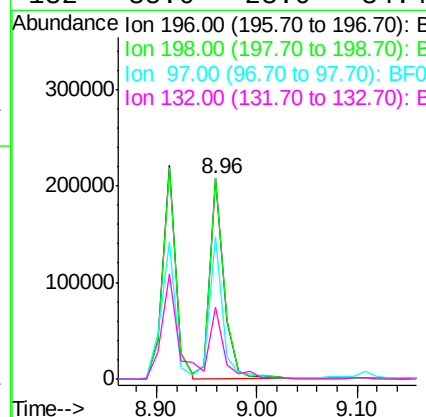
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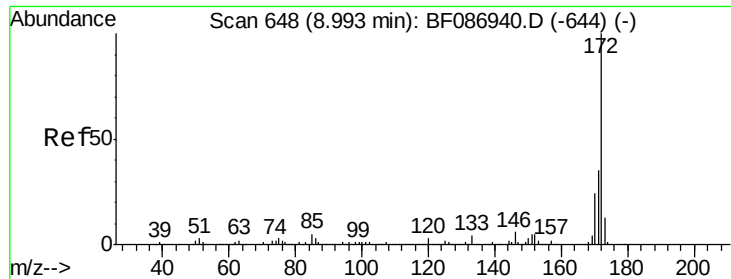
sohil
5/13/2016 8:03:45 PM



#43
2,4,5-Trichlorophenol
Concen: 33.83 ng
RT: 8.96 min Scan# 645
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	204266		
198	100.2	77.5	116.3	
97	70.7	34.8	52.2#	
132	35.6	23.0	34.4#	





#44

2-Fluorobiphenyl

Concen: 71.80 ng

RT: 8.99 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

TP40-4FTMS

Tgt Ion:172 Resp: 1283126

Ion Ratio Lower Upper

172 100

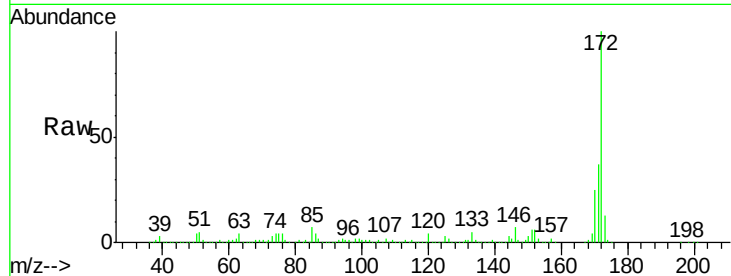
171 36.7 29.0 43.6

170 25.1 19.8 29.8

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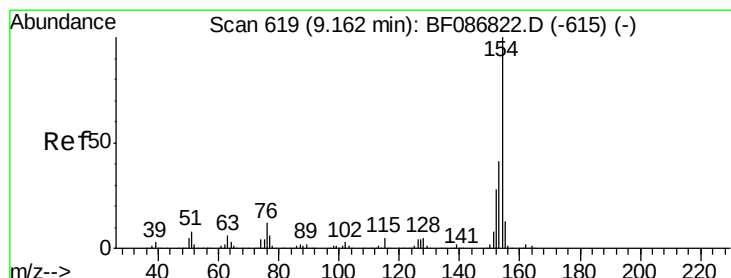
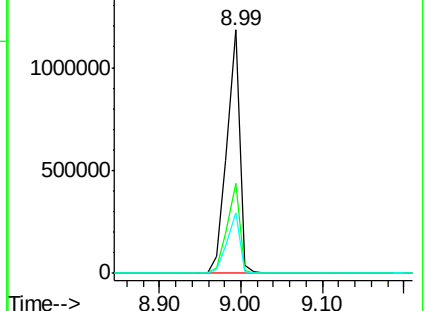
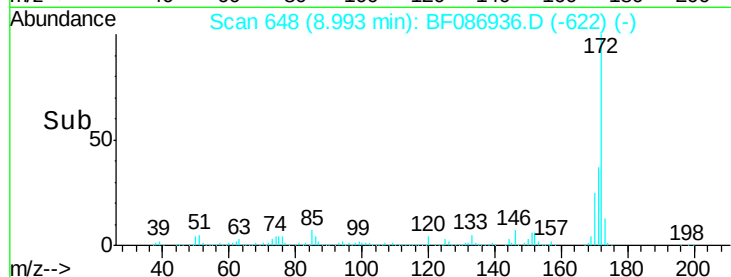
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 33.28 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

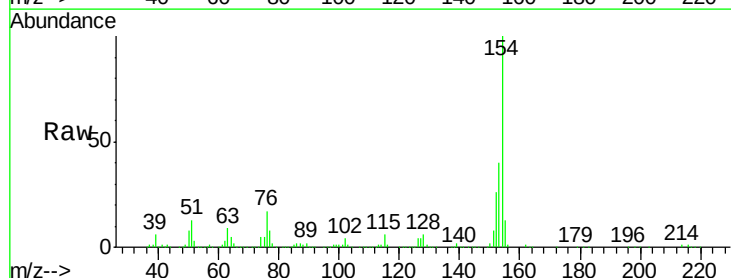
Tgt Ion:154 Resp: 795058

Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

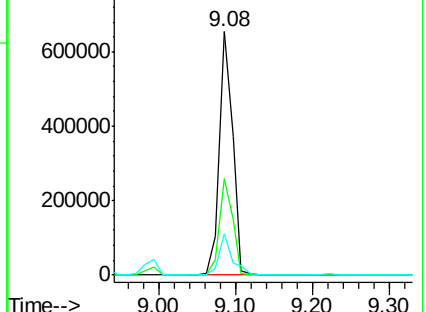
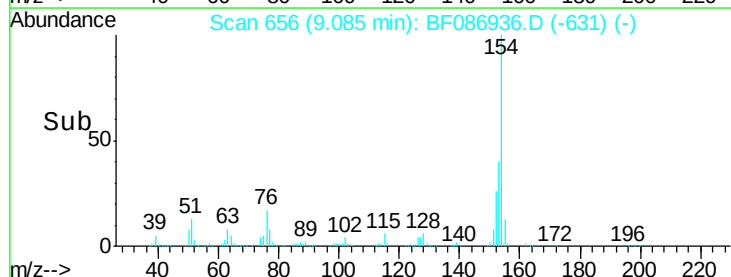
76 16.9 0.0 30.2

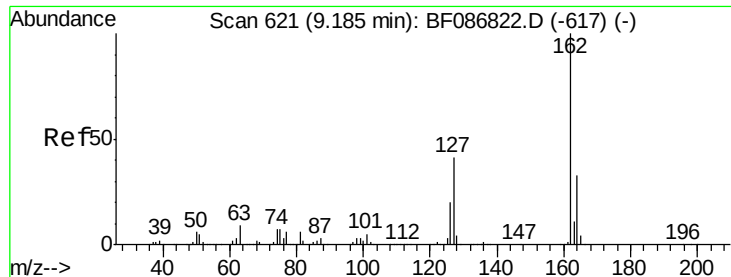


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





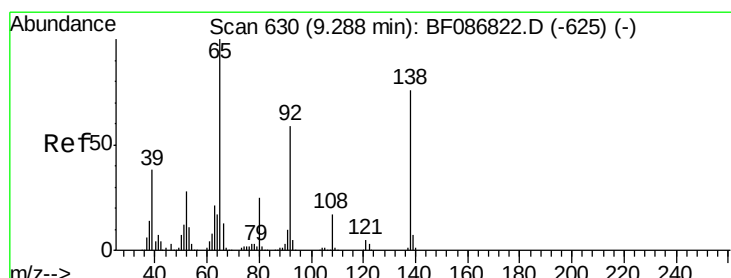
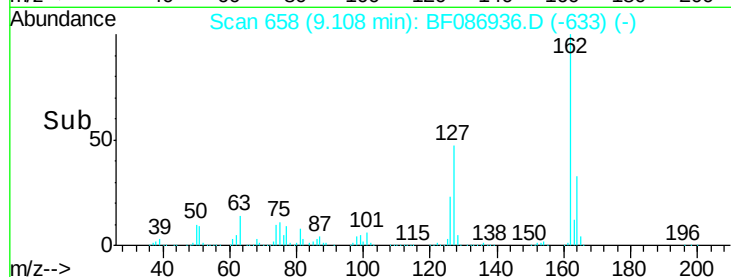
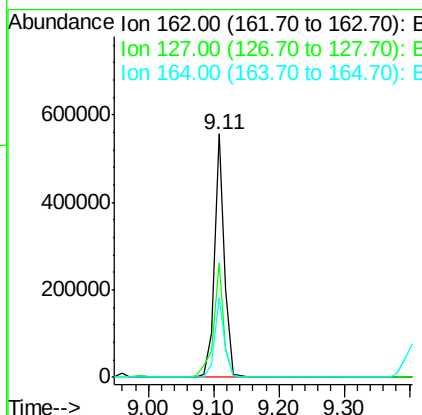
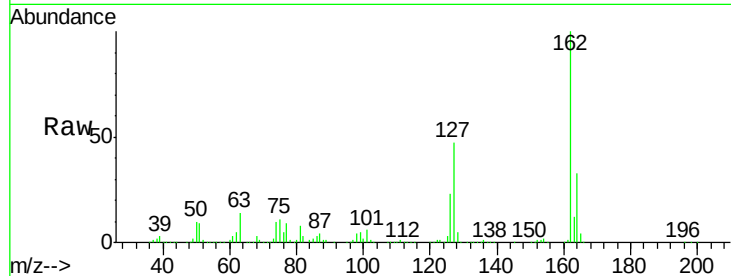
#46
 2-Chloronaphthalene
 Concen: 32.34 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	605226		
127	47.2	31.8	47.6	
164	32.7	27.0	40.6	

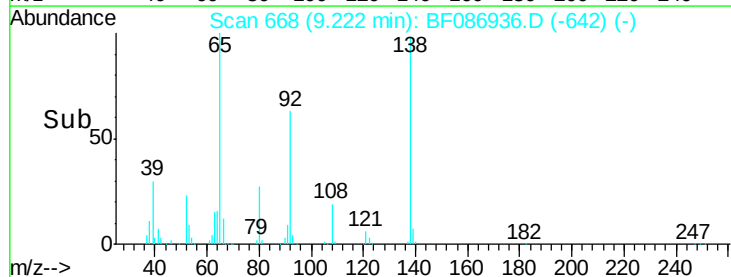
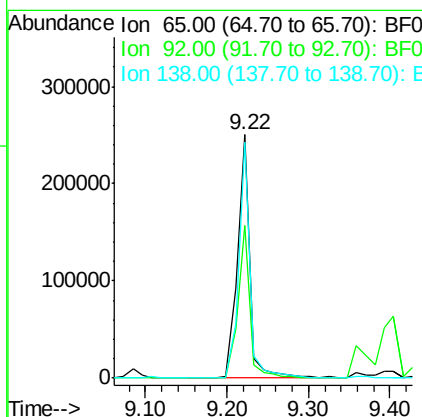
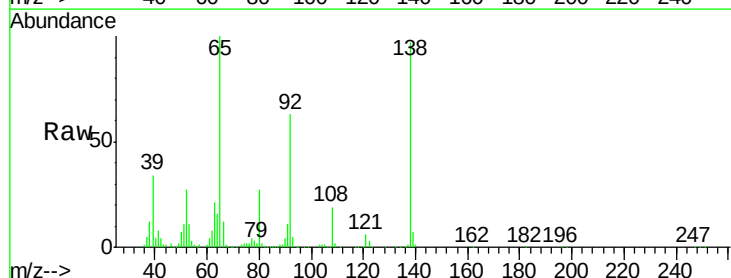
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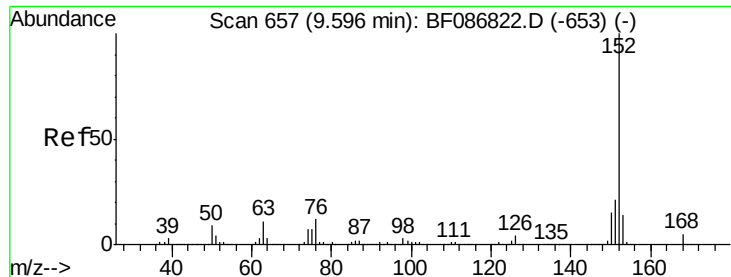
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#47
 2-Nitroaniline
 Concen: 39.26 ng
 RT: 9.22 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	268568		
92	62.8	57.4	86.2	
138	96.8	90.1	135.1	





#48

Acenaphthylene

Concen: 33.52 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

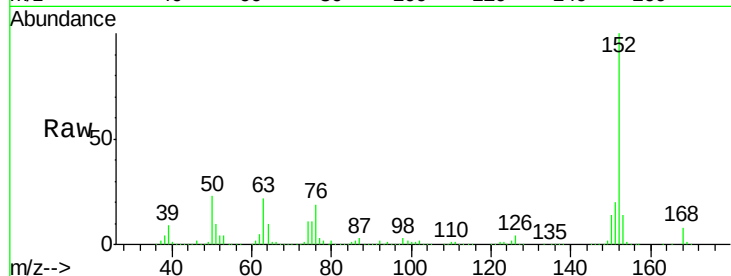
ClientSampleId :

TP40-4FTMS

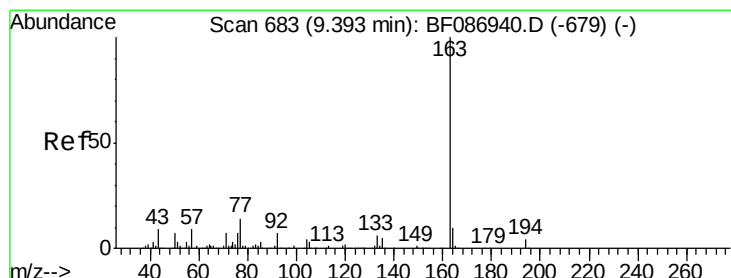
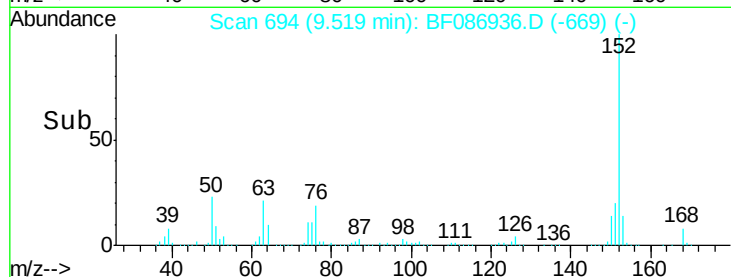
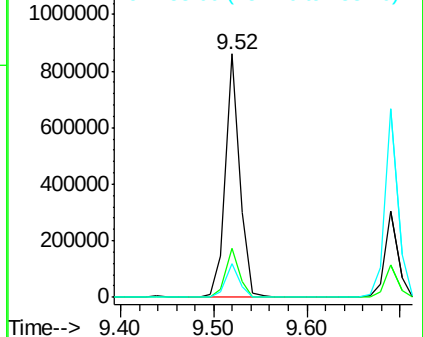
Tgt Ion:	152	Resp:	922717
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.8	25.2
153	14.0	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 38.38 ng

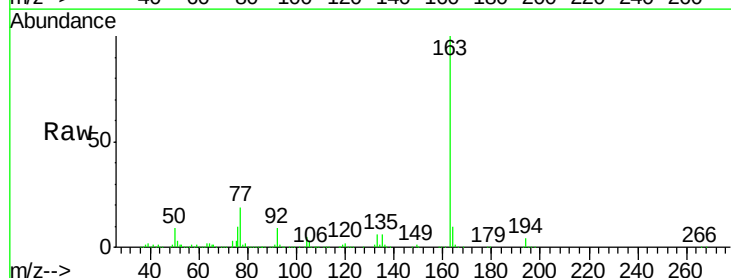
RT: 9.40 min Scan# 684

Delta R.T. 0.00 min

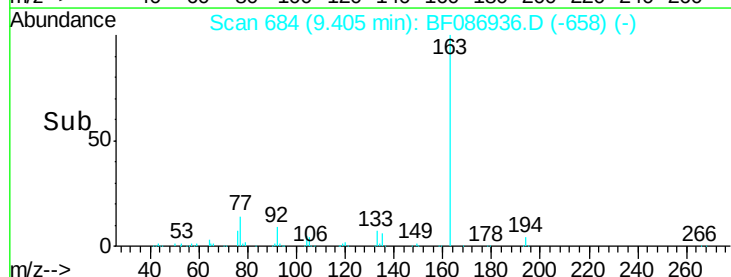
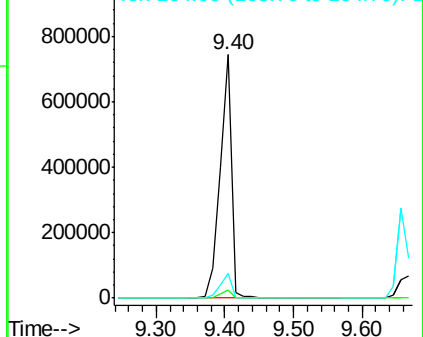
Lab File: BF086936.D

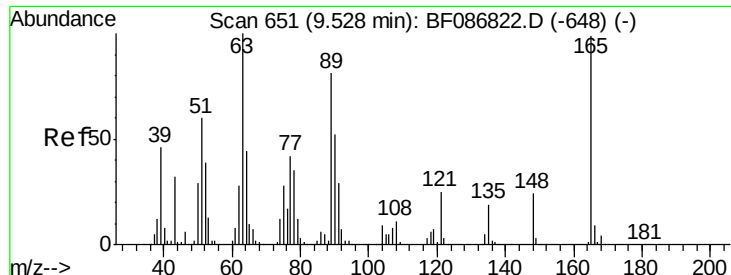
Acq: 12 May 2016 17:55

Tgt Ion:	163	Resp:	879361
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	10.3	8.2	12.4



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





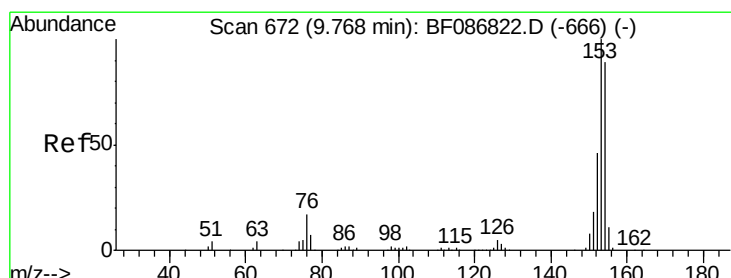
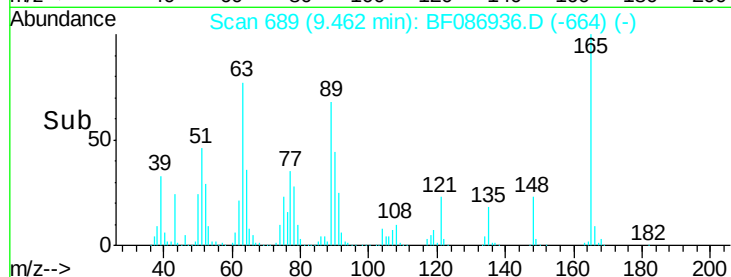
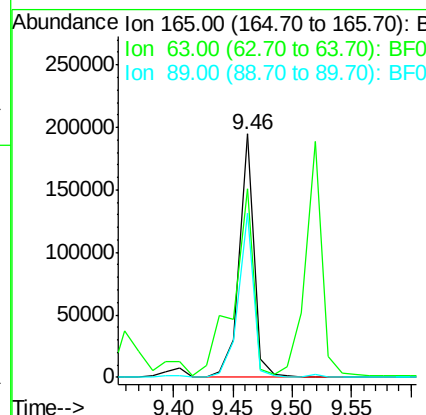
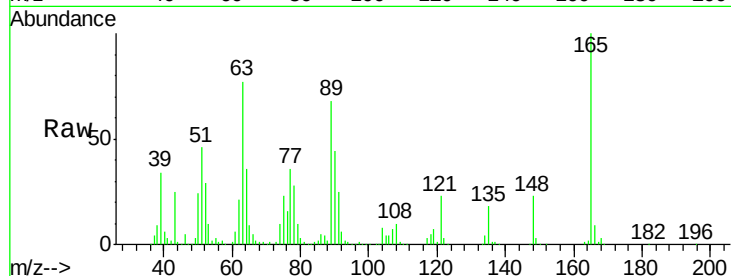
#50
 2,6-Dinitrotoluene
 Concen: 35.30 ng
 RT: 9.46 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampled :
 TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	170215		
63	77.5	51.8	77.8	
89	67.6	50.7	76.1	

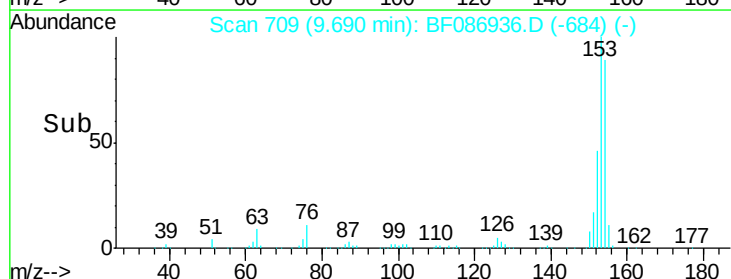
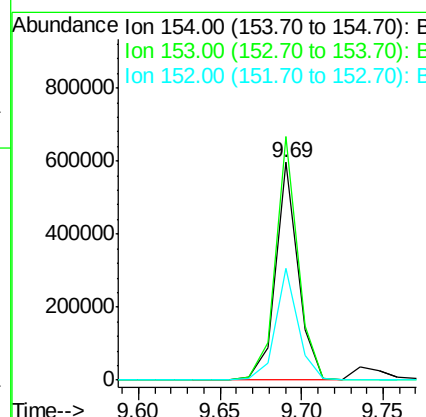
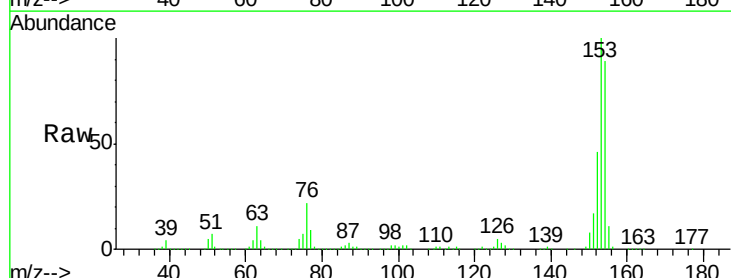
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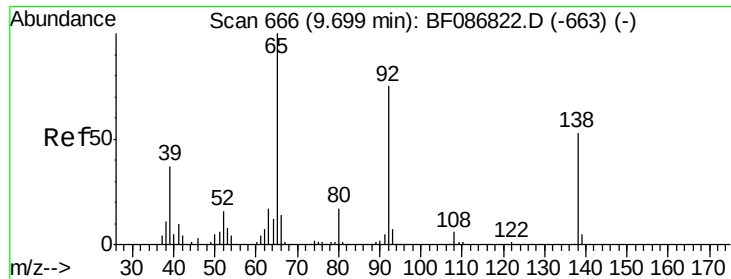
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#51
 Acenaphthene
 Concen: 33.62 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	575712		
153	112.0	89.8	134.6	
152	51.2	43.4	65.0	





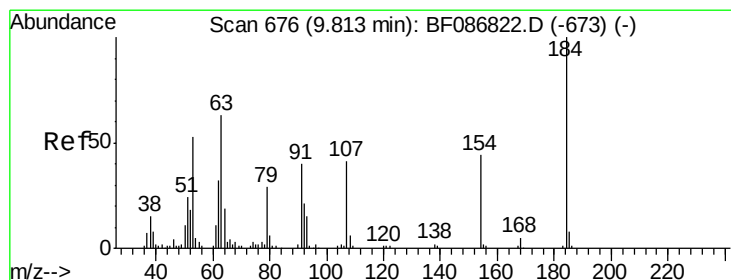
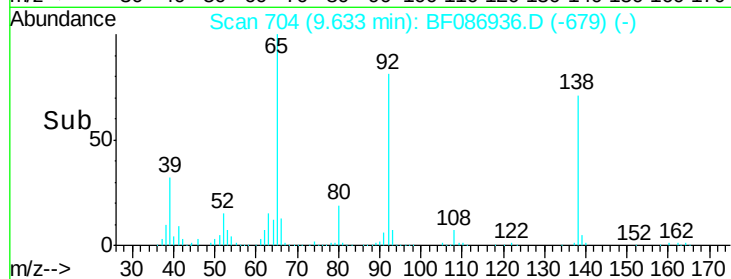
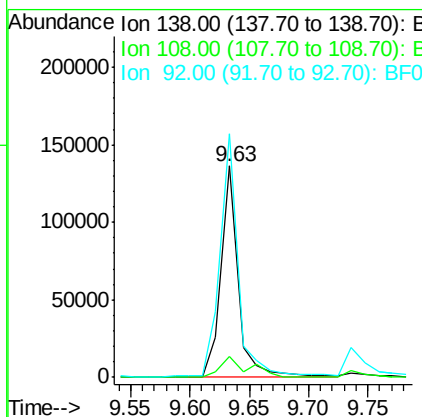
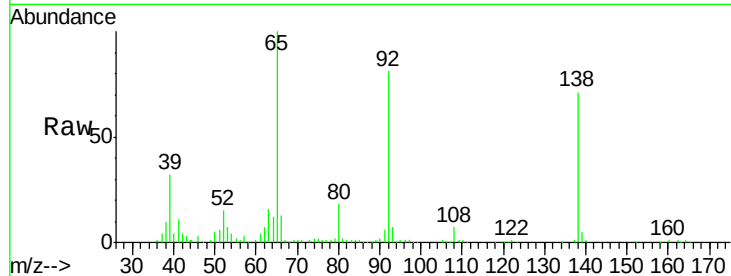
#52
 3-Nitroaniline
 Concen: 27.19 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	138032		
108	10.0	7.8	11.6	
92	115.2	87.8	131.8	

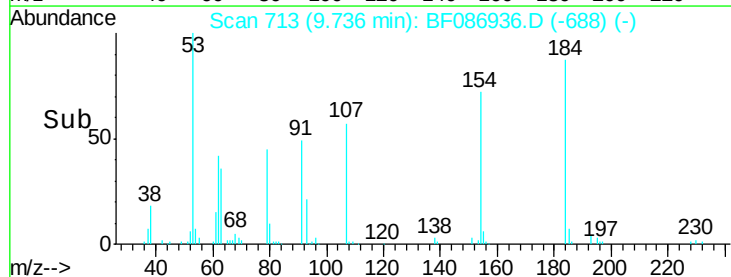
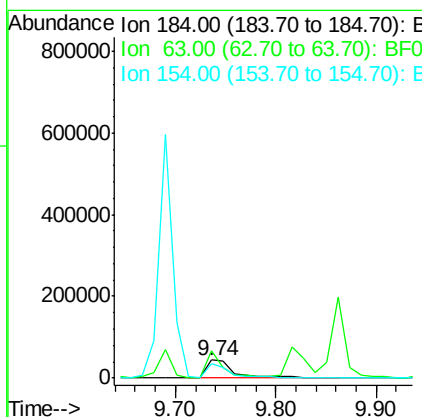
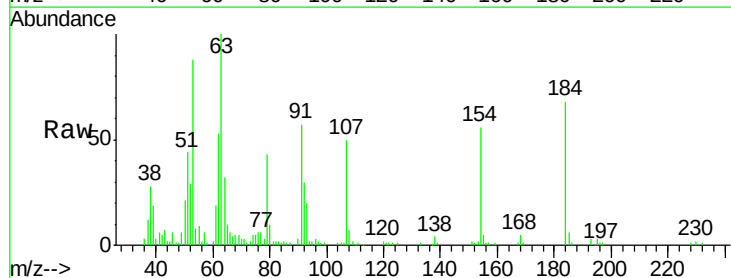
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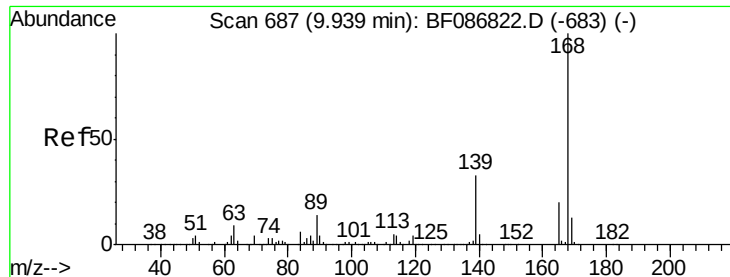
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#53
 2,4-Dinitrophenol
 Concen: 38.28 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	83398		
63	147.8	55.8	83.8#	
154	82.9	62.4	93.6	





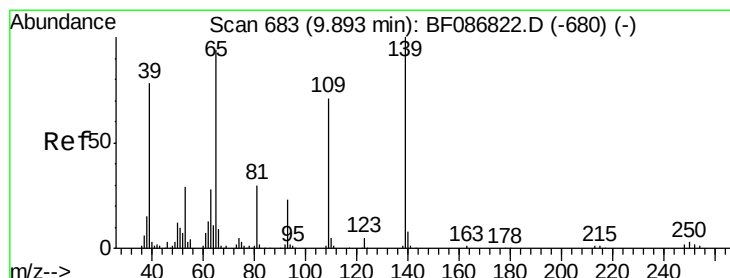
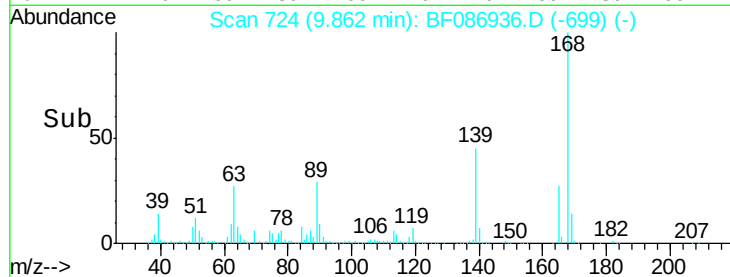
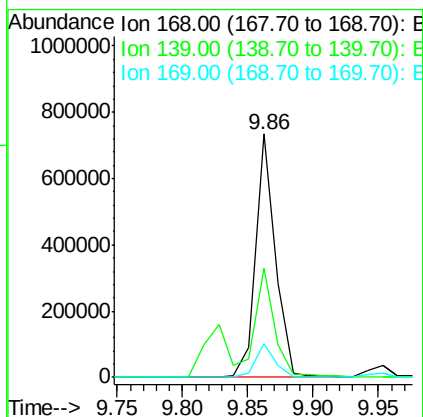
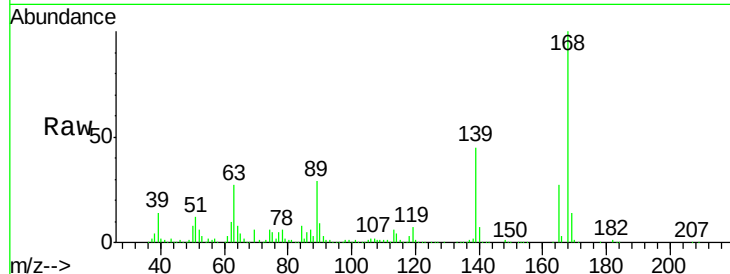
#54
Dibenzofuran
Concen: 35.43 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.9	31.4	47.0
169	14.0	10.7	16.1

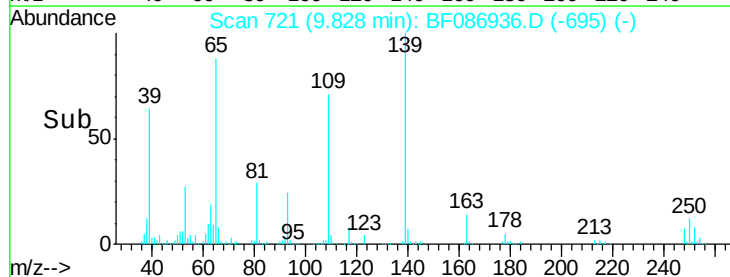
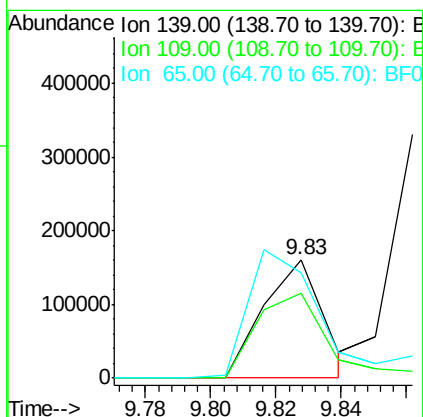
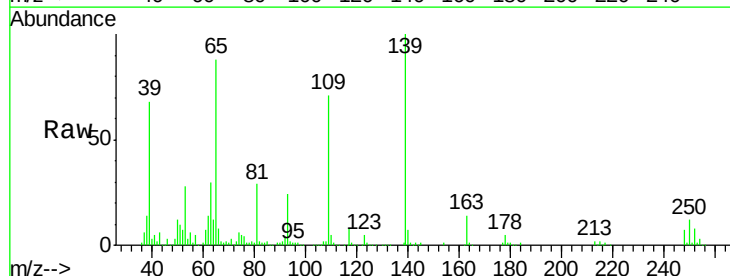
Manual Integrations
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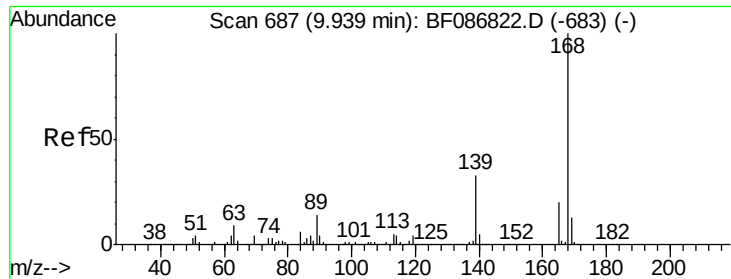
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#55
4-Nitrophenol
Concen: 60.86 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

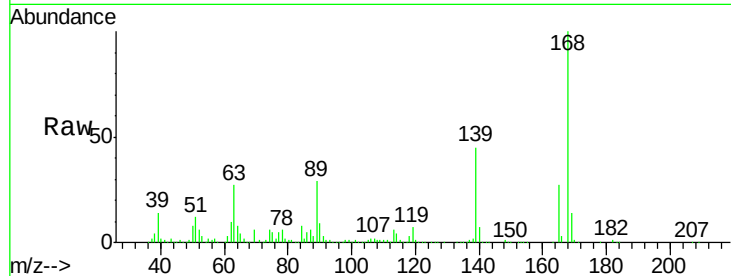
Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.2	36.9	76.9
65	88.5	64.0	104.0





#56
 2,4-Dinitrotoluene
 Concen: 32.76 ng
 RT: 9.86 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

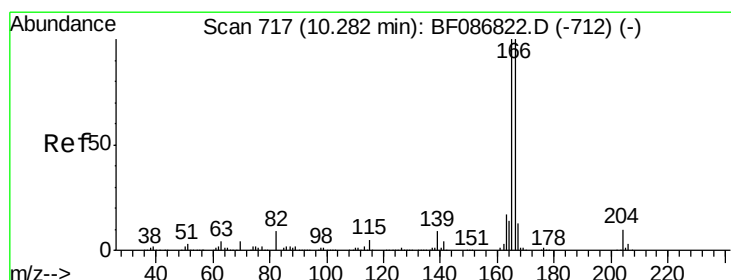
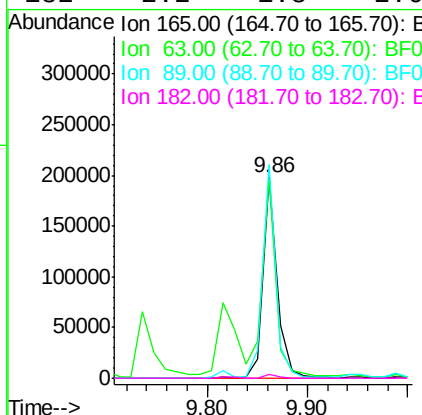
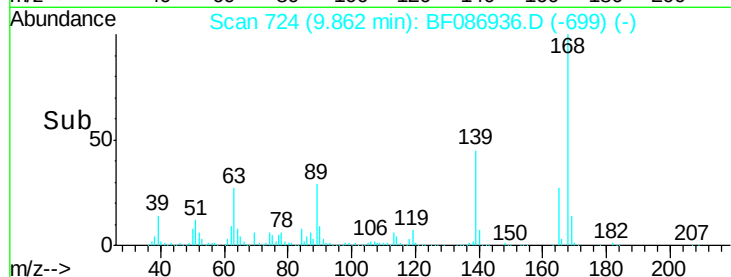
Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS



Tgt Ion	Ratio	Resp	Lower	Upper
165	100	195515		
63	99.7	44.3	66.5#	
89	106.5	70.0	105.0#	
182	2.2	1.8	2.6	

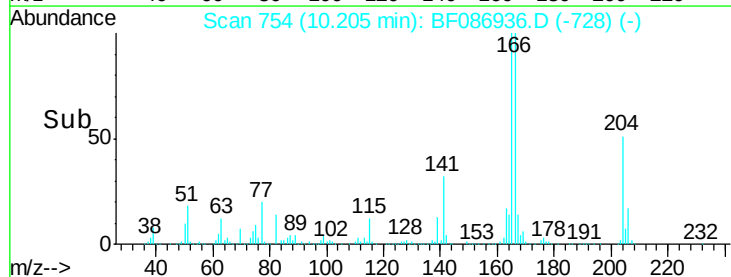
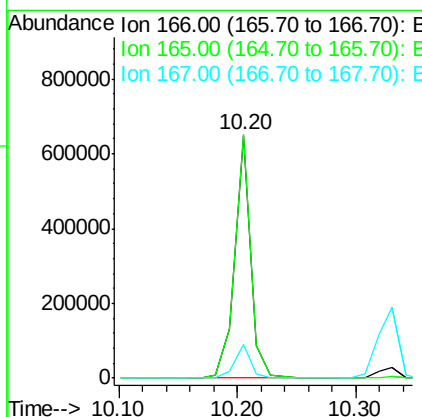
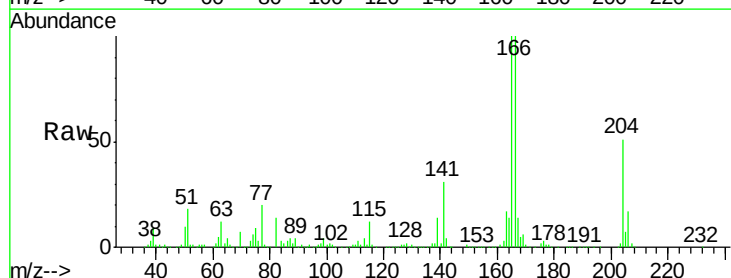
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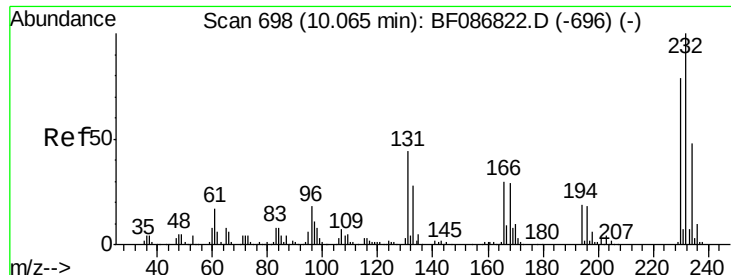
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#57
 Fluorene
 Concen: 32.59 ng
 RT: 10.20 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	610917		
165	100.5	79.0	118.6	
167	13.8	10.6	15.8	





#58

2,3,4,6-Tetrachlorophenol

Concen: 34.80 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF086936.D

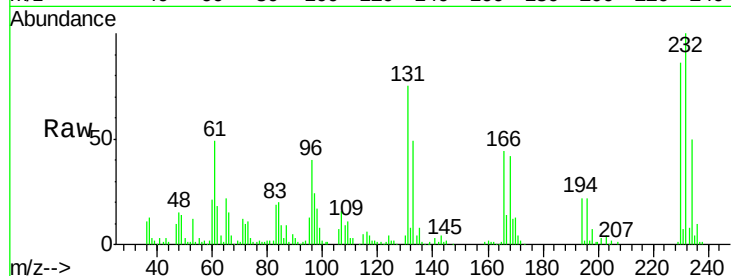
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampled :

TP40-4FTMS



Tgt Ion: 232 Resp: 158203

Ion Ratio Lower Upper

232 100

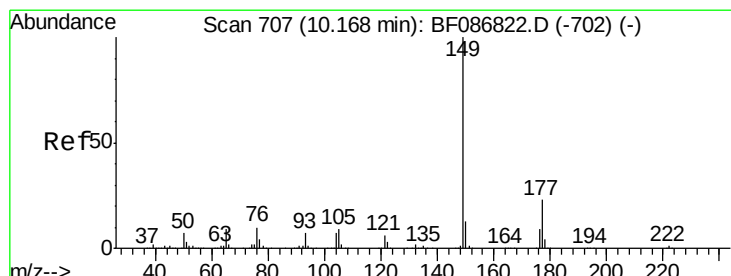
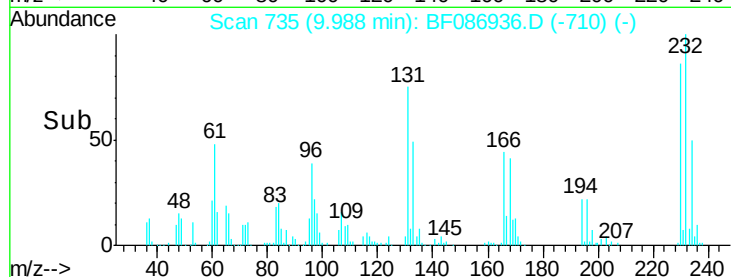
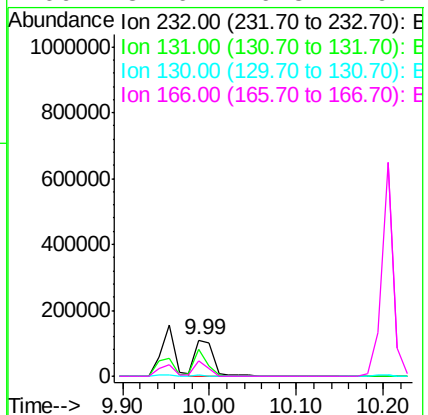
131 53.9 41.9 62.9

130 2.7 2.2 3.4

166 31.6 26.8 40.2

Manual Integrations
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#59

Diethylphthalate

Concen: 32.23 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

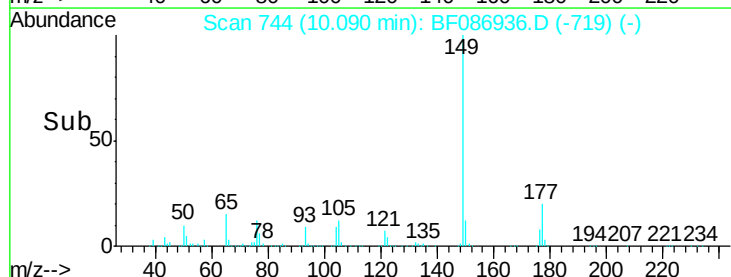
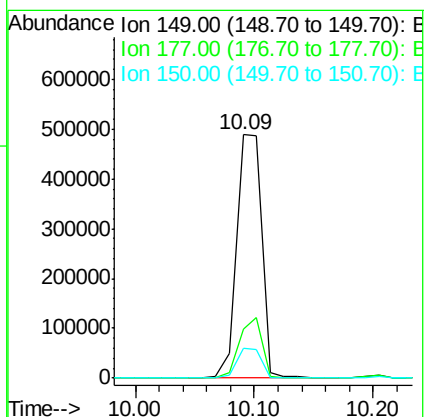
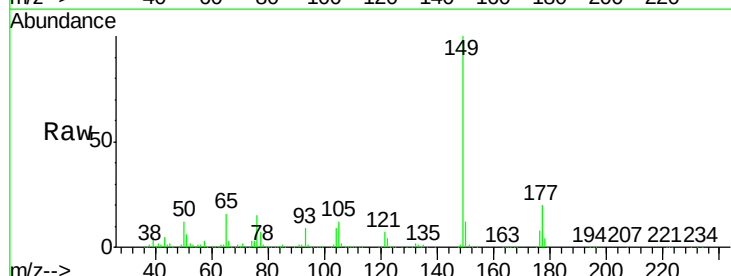
Tgt Ion: 149 Resp: 719585

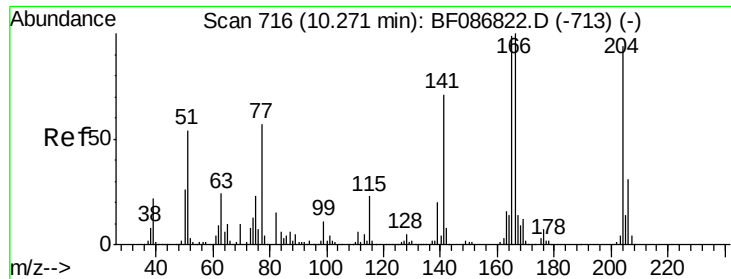
Ion Ratio Lower Upper

149 100

177 20.1 16.6 24.8

150 12.3 10.0 15.0





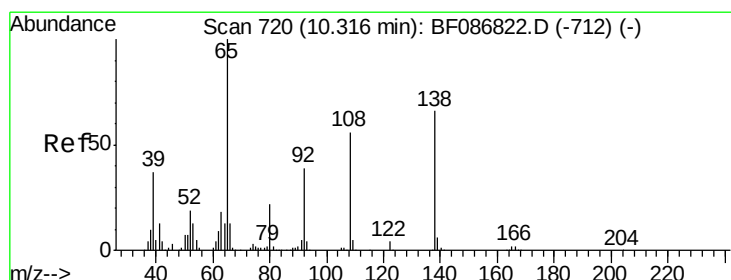
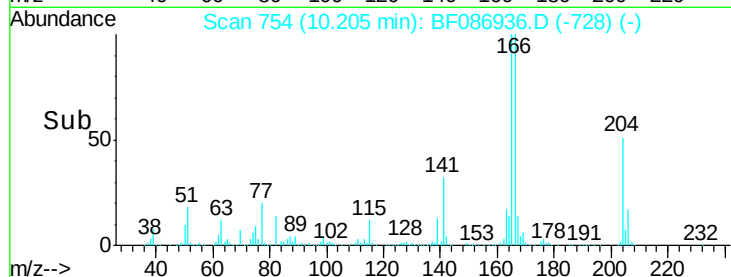
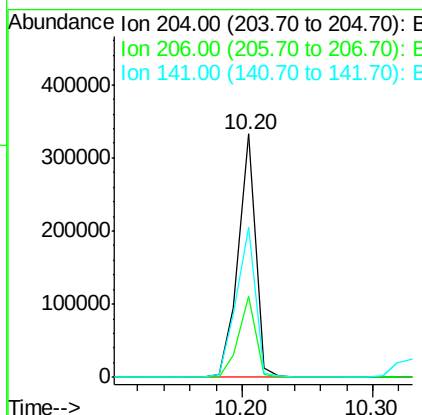
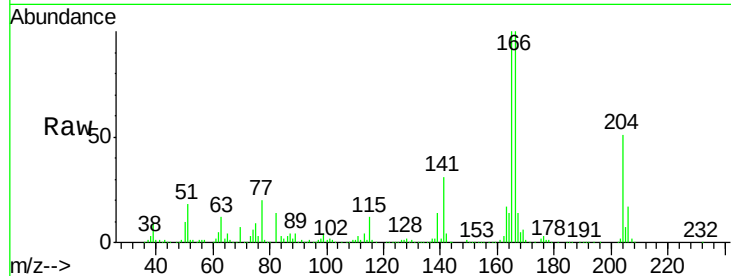
#60
4-Chlorophenyl-phenylether
Concen: 35.68 ng
RT: 10.20 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.5	25.4	38.0
141	61.6	61.6	92.4

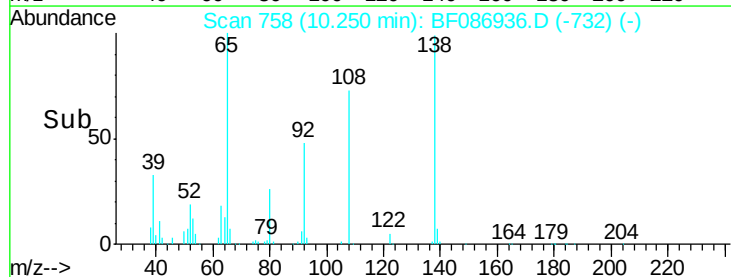
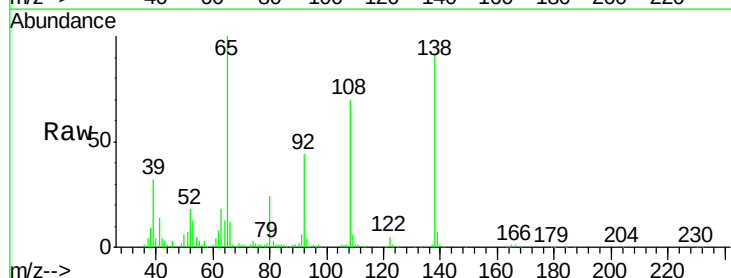
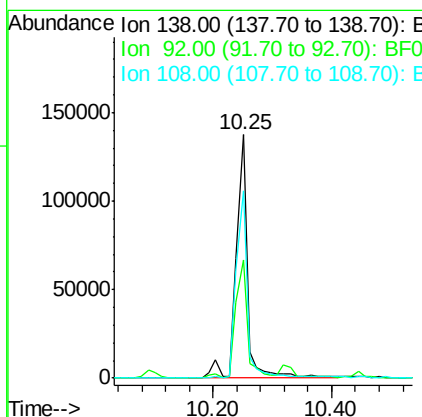
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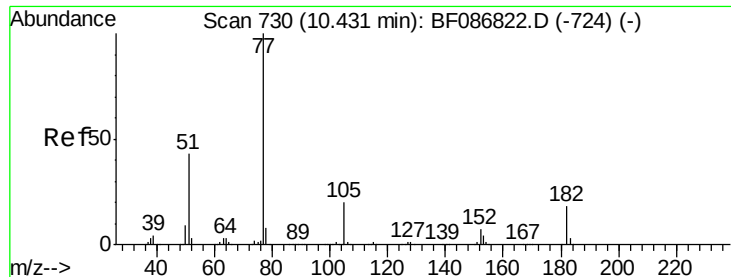
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#61
4-Nitroaniline
Concen: 36.98 ng
RT: 10.25 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.7	24.7	64.7
108	76.8	37.4	77.4





#62

Azobenzene

Concen: 36.78 ng

RT: 10.36 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF086936.D

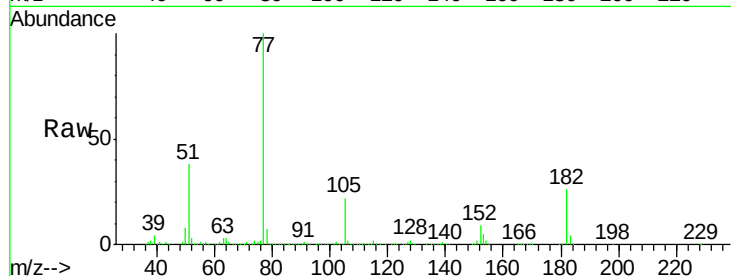
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

TP40-4FTMS



Tgt Ion: 77 Resp: 886014

Ion Ratio Lower Upper

77 100

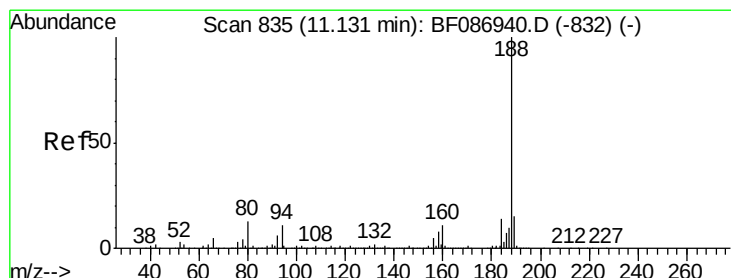
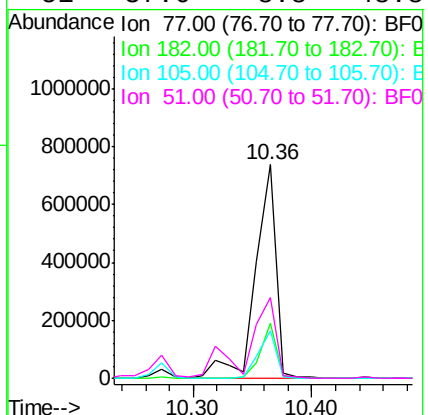
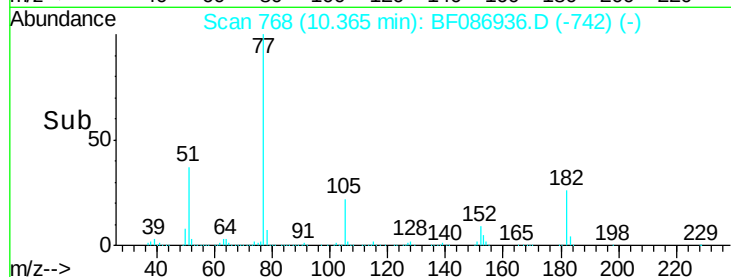
182 25.8 0.0 38.8

105 22.4 3.2 43.2

51 37.6 8.8 48.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

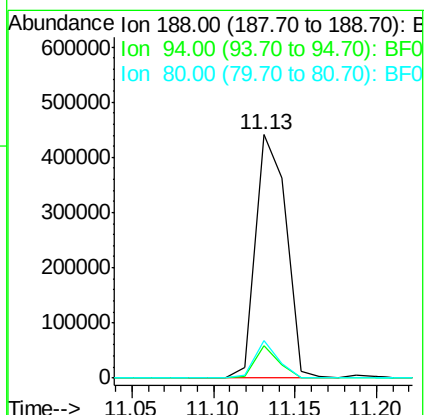
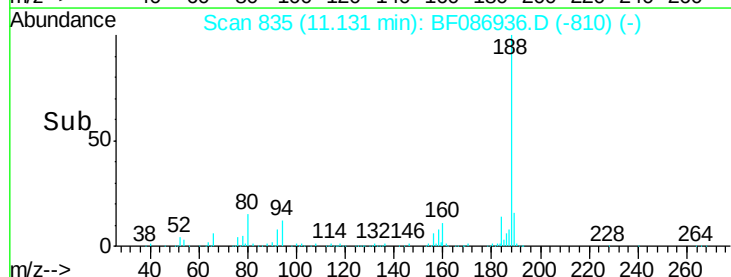
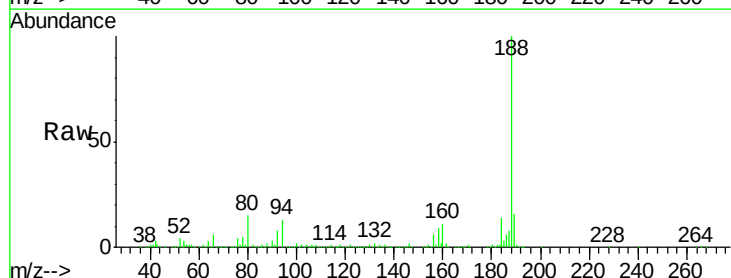
Tgt Ion: 188 Resp: 574900

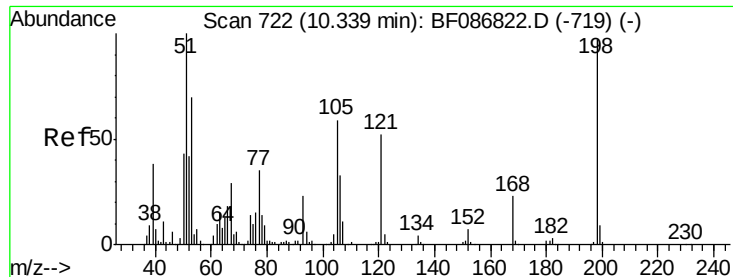
Ion Ratio Lower Upper

188 100

94 13.3 6.8 10.2#

80 15.2 7.1 10.7#





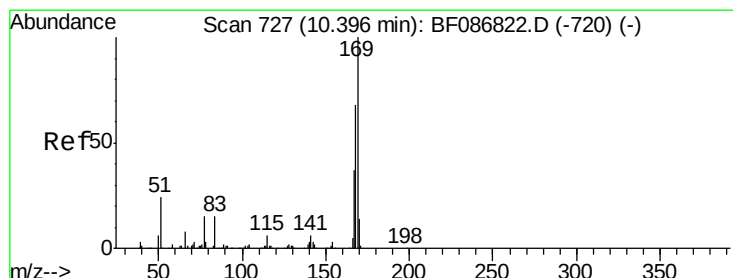
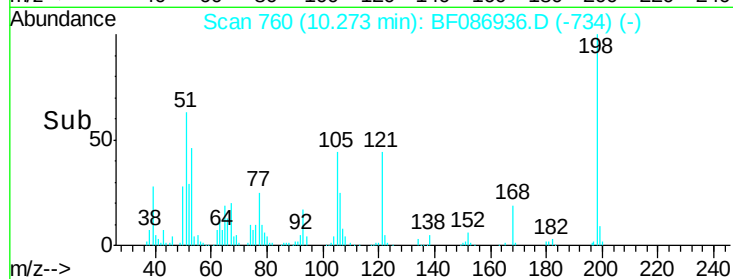
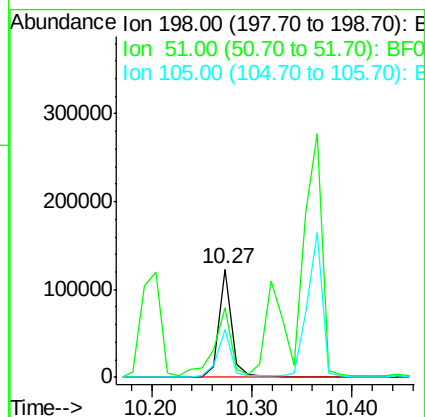
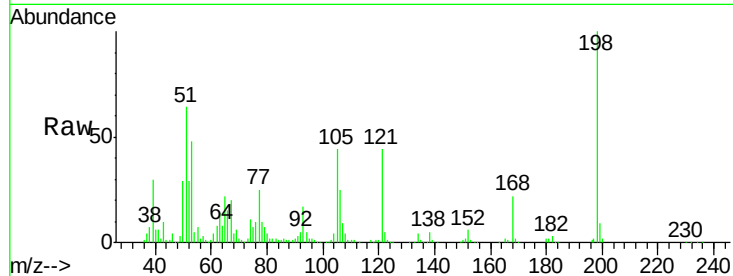
#64
 4,6-Dinitro-2-methylphenol
 Concen: 30.96 ng
 RT: 10.27 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampled :
 TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	110571		
51	63.8	20.5	60.5#	
105	44.1	24.5	64.5	

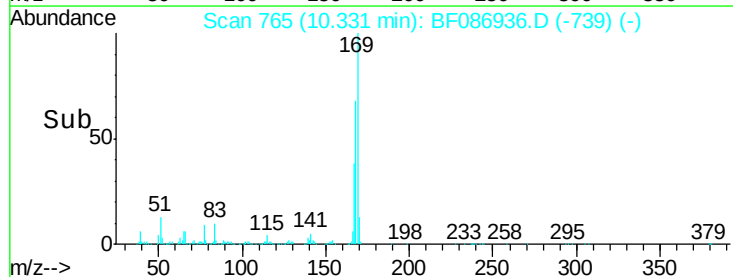
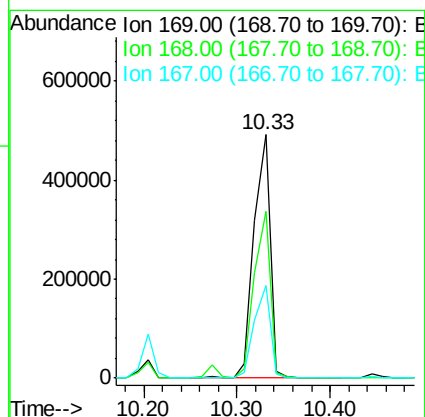
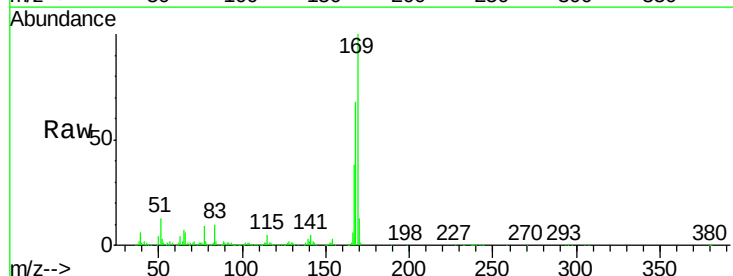
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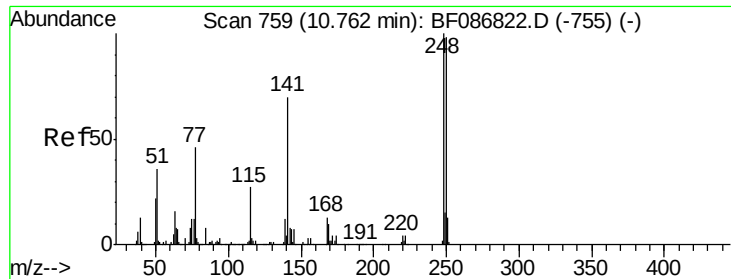
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#65
 n-Nitrosodiphenylamine
 Concen: 33.70 ng
 RT: 10.33 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	595161		
168	68.3	53.8	80.6	
167	38.2	29.5	44.3	





#66

4-Bromophenyl-phenylether

Concen: 30.36 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

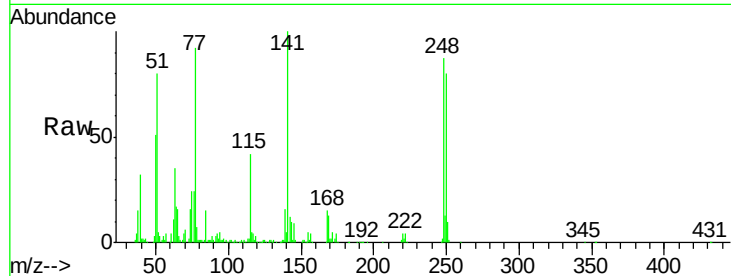
ClientSampleId :

TP40-4FTMS

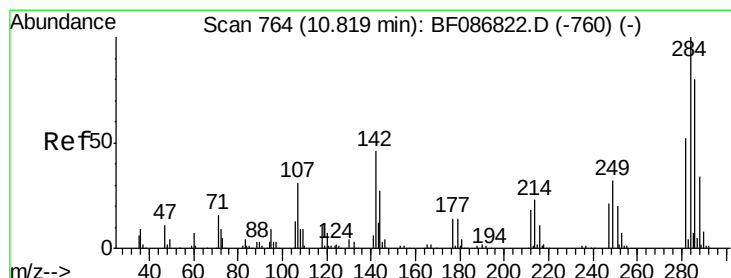
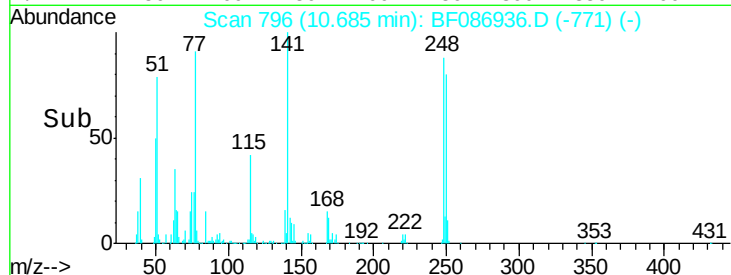
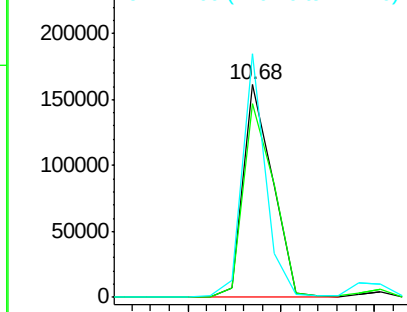
Tgt Ion:	248	Resp:	176969
Ion Ratio	Lower	Upper	
248	100		
250	91.2	78.6	117.8
141	114.6	76.0	114.0#

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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: 35.81 ng m

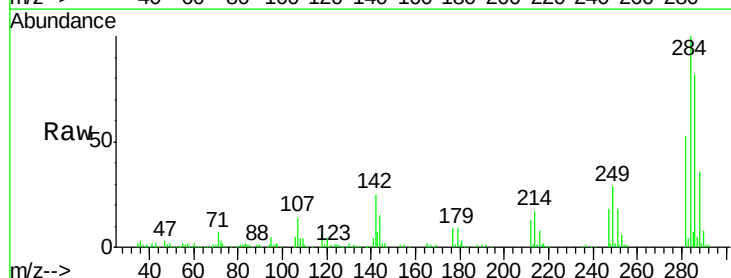
RT: 10.75 min Scan# 802

Delta R.T. 0.00 min

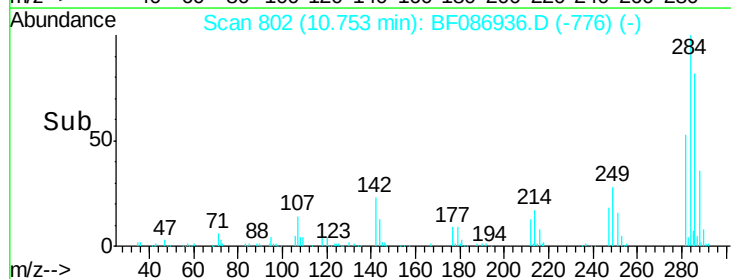
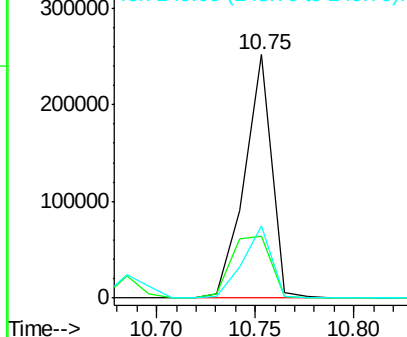
Lab File: BF086936.D

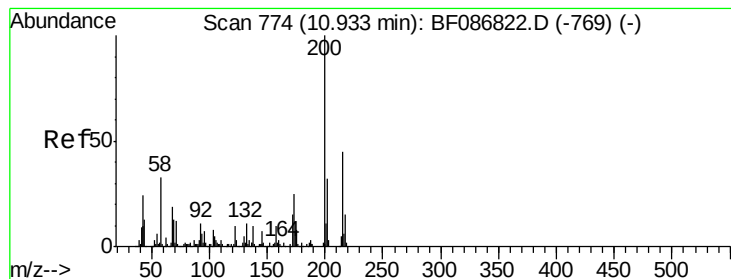
Acq: 12 May 2016 17:55

Tgt Ion:	284	Resp:	243955
Ion Ratio	Lower	Upper	
284	100		
142	25.2	16.7	25.1#
249	29.4	21.3	31.9



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 28.04 ng

RT: 10.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086936.D

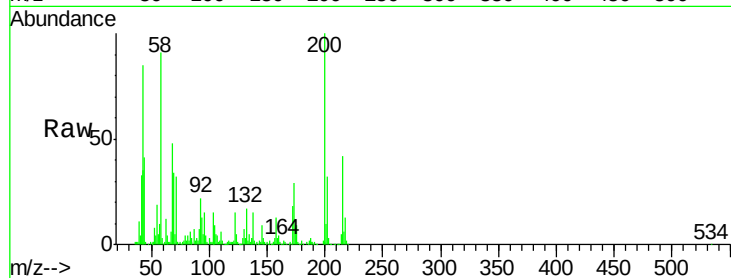
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

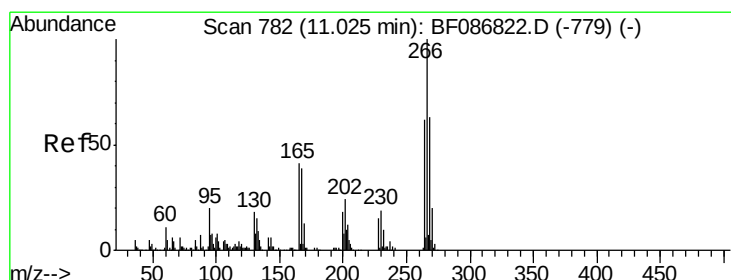
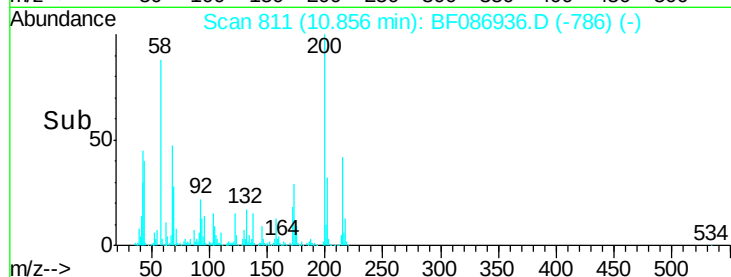
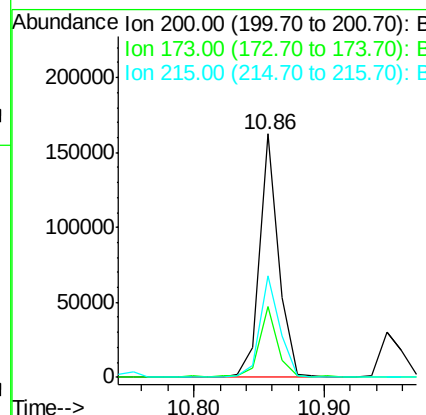
TP40-4FTMS



Tgt Ion:	200	Resp:	165444
Ion Ratio	Lower	Upper	
200	100		
173	28.9	8.5	48.5
215	41.6	27.2	67.2

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#69

Pentachlorophenol

Concen: 62.21 ng

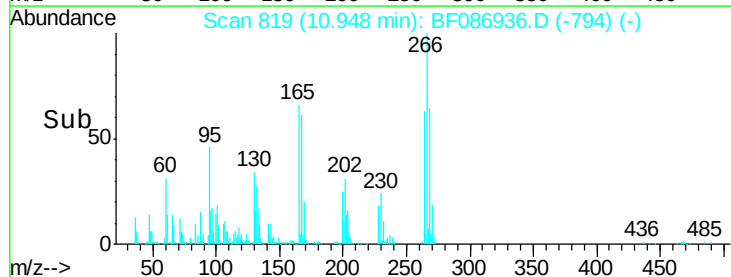
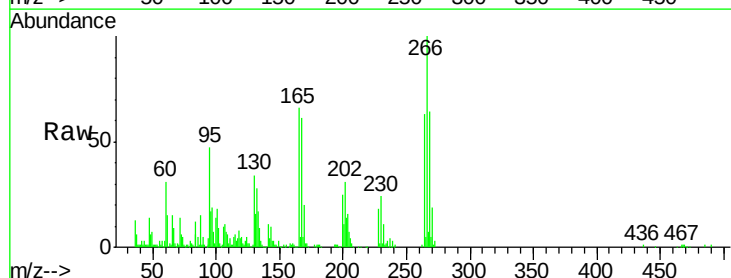
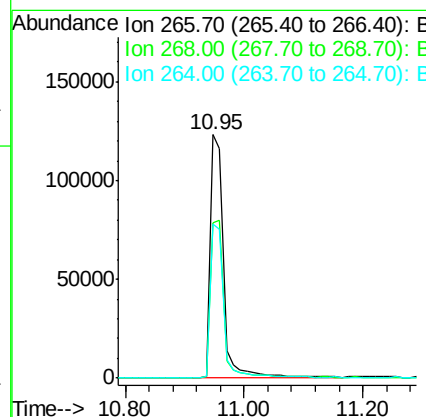
RT: 10.95 min Scan# 819

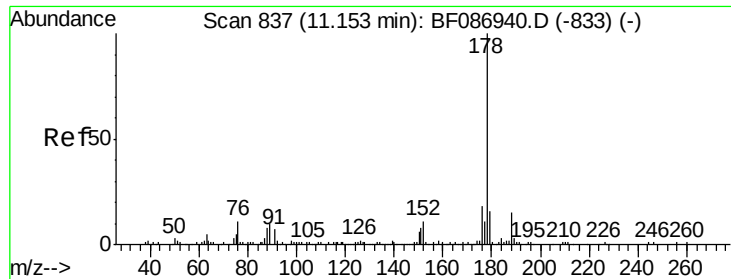
Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:	266	Resp:	195848
Ion Ratio	Lower	Upper	
266	100		
268	63.8	51.5	77.3
264	63.3	52.9	79.3





#70

Phenanthrene

Concen: 33.54 ng

RT: 11.16 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

TP40-4FTMS

Tgt Ion:178 Resp: 1029014

Ion Ratio Lower Upper

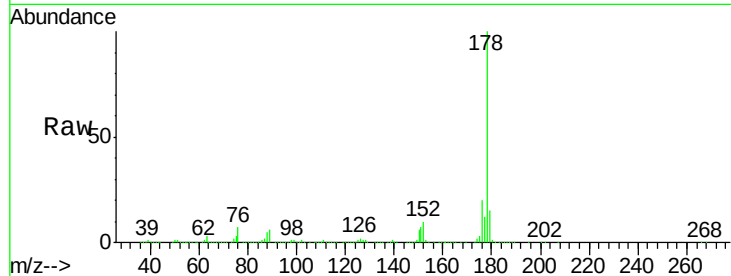
178 100

176 20.1 16.0 24.0

179 15.3 12.6 18.8

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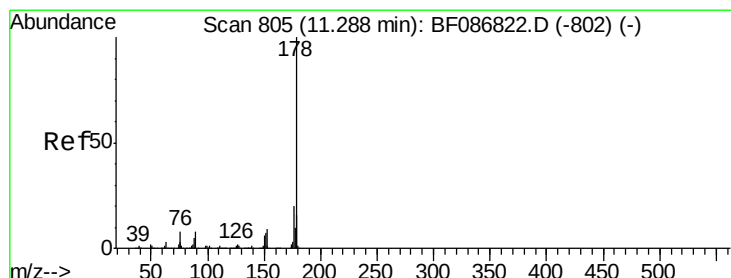
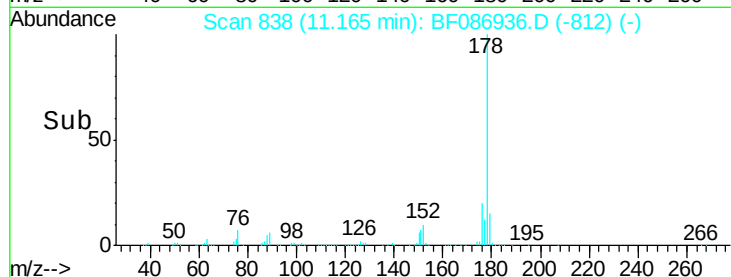
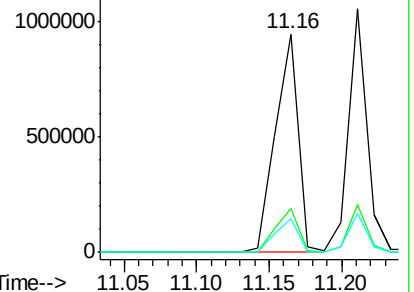
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 30.31 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:178 Resp: 951174

Ion Ratio Lower Upper

178 100

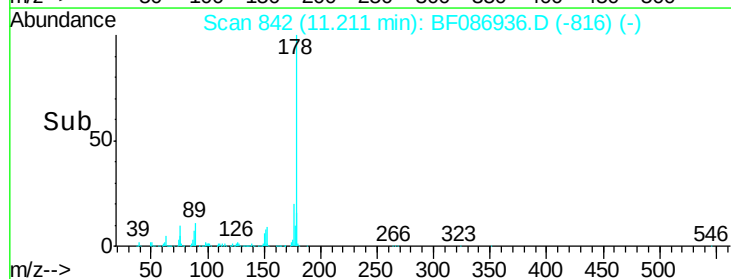
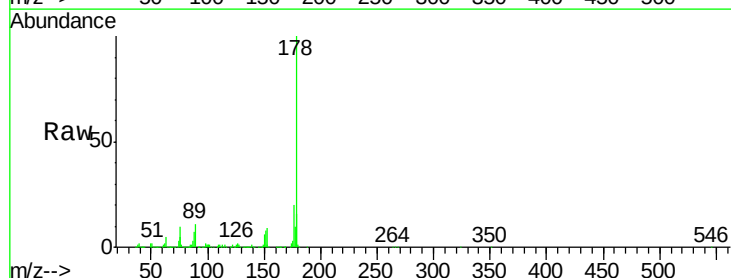
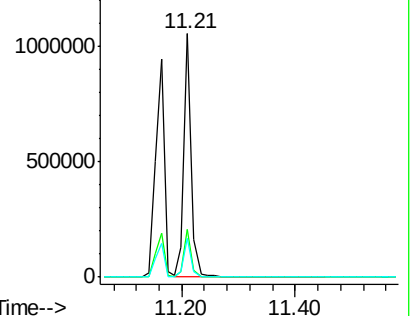
176 19.9 15.6 23.4

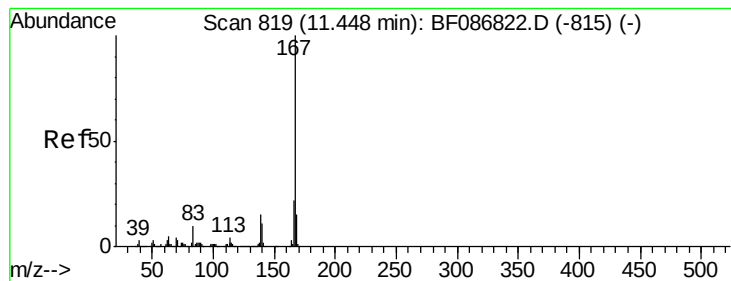
179 15.7 12.7 19.1

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: 33.53 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

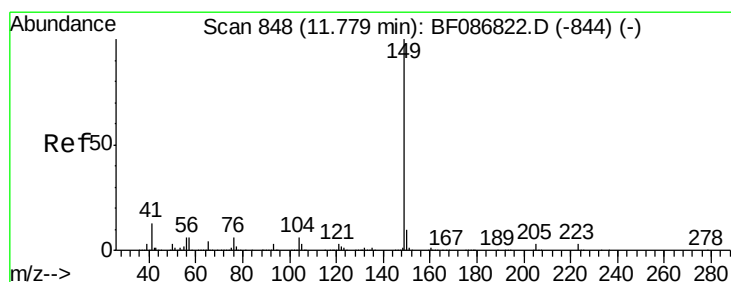
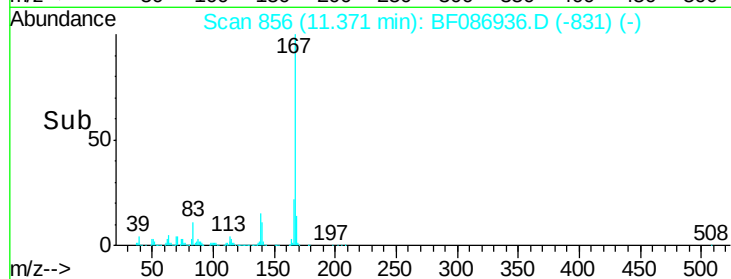
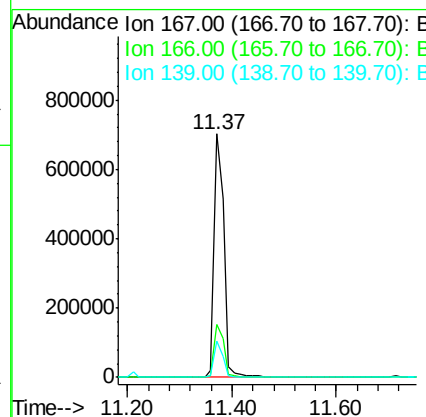
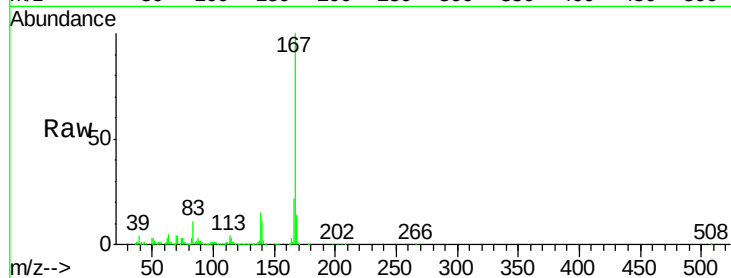
ClientSampleId :

TP40-4FTMS

Tgt Ion:	167	Resp:	904301
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.7	26.5
139	14.9	10.8	16.2

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#73

Di-n-butylphthalate

Concen: 34.07 ng

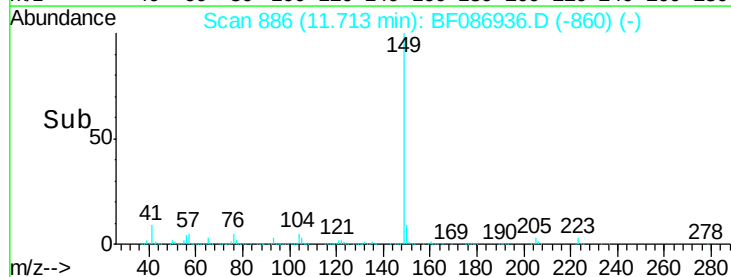
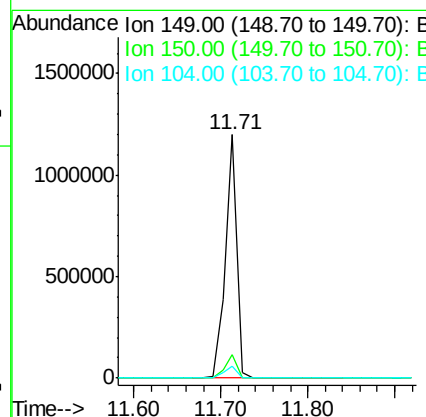
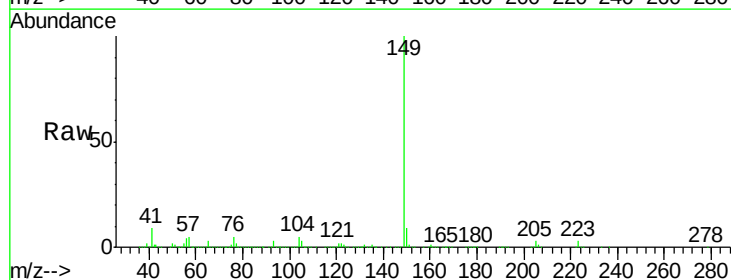
RT: 11.71 min Scan# 886

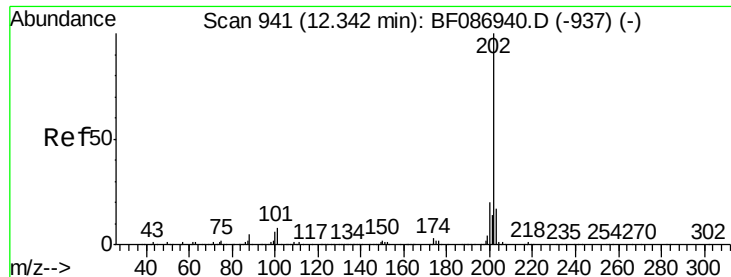
Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:	149	Resp:	1122314
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.6	11.4
104	5.1	3.8	5.6





#74

Fluoranthene

Concen: 31.47 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086936.D

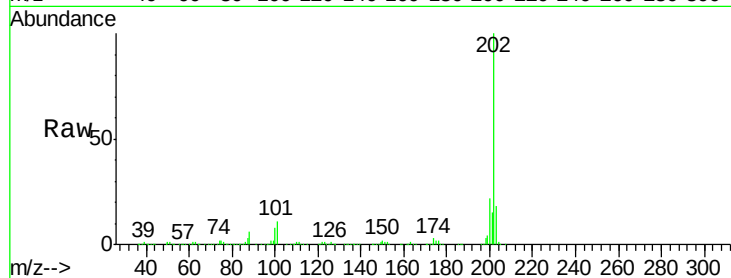
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

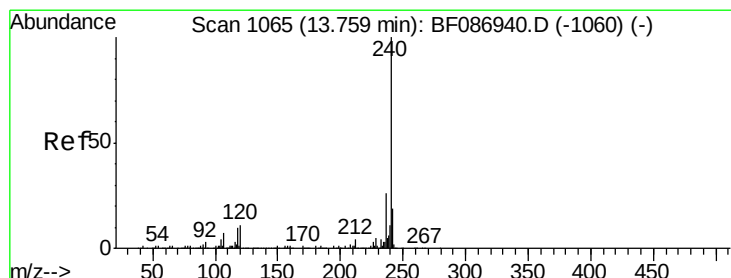
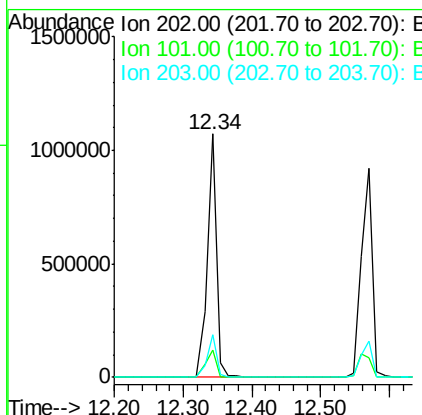
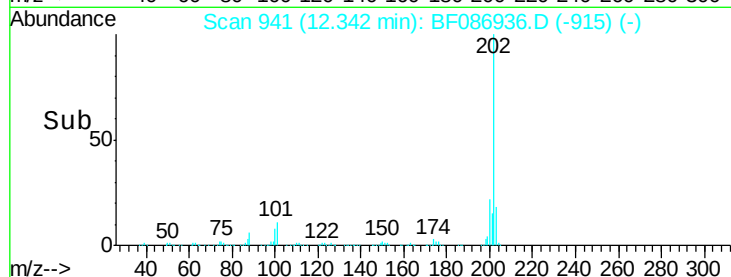
TP40-4FTMS



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	993151		
101	11.1	0.0	35.4	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

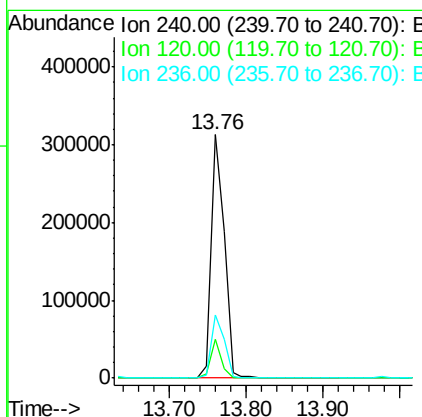
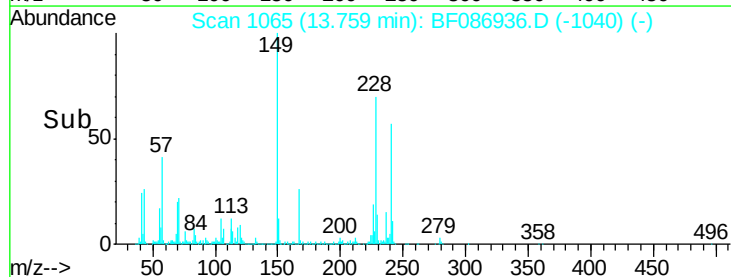
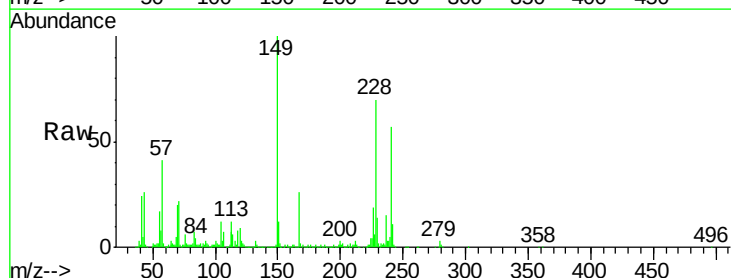
RT: 13.76 min Scan# 1065

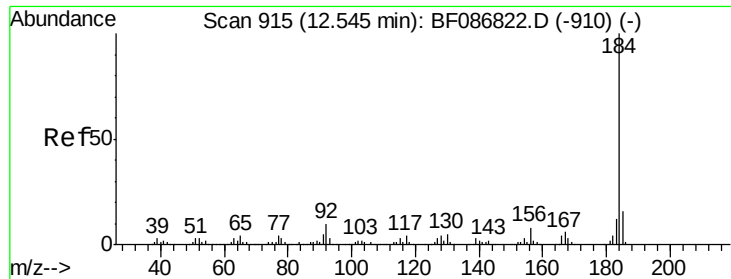
Delta R.T. -0.01 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	366161		
120	16.1	11.2	16.8	
236	26.1	21.2	31.8	





#76

Benzidine

Concen: 24.55 ng

RT: 12.48 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

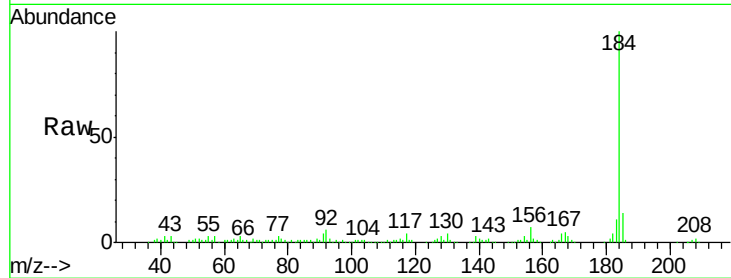
ClientSampleId :

TP40-4FTMS

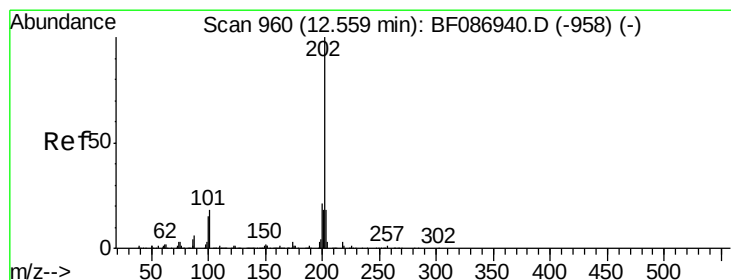
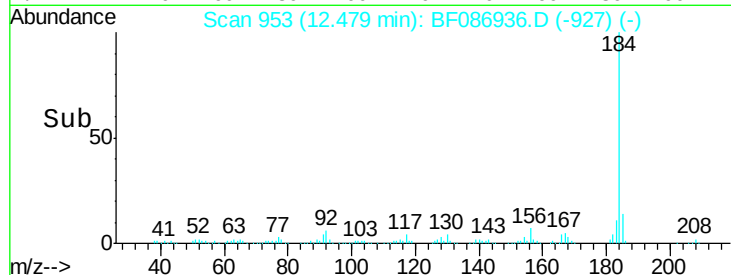
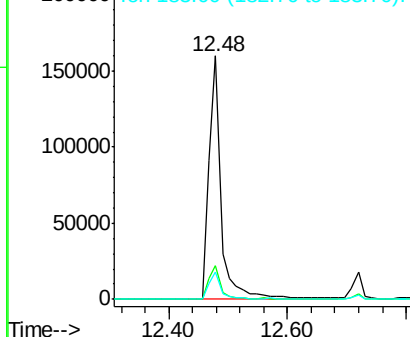
Tgt Ion:	184	Resp:	229180
Ion Ratio	Lower	Upper	
184	100		
185	14.0	13.6	20.4
183	11.4	9.8	14.6

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 36.96 ng

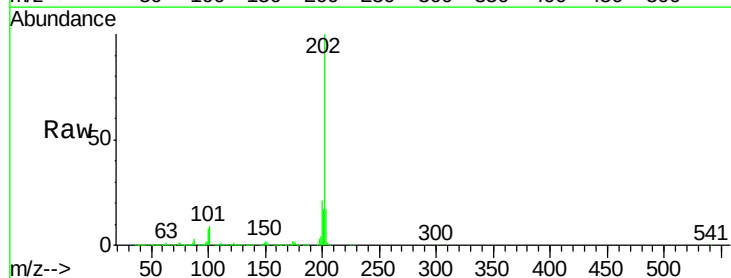
RT: 12.57 min Scan# 961

Delta R.T. 0.00 min

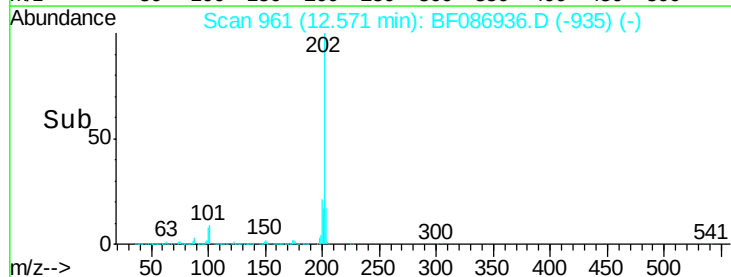
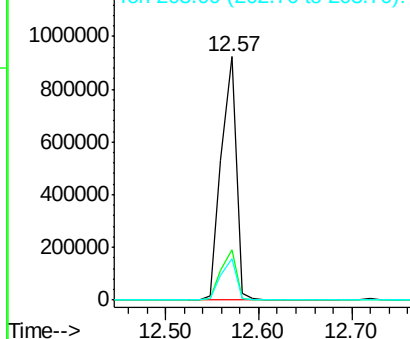
Lab File: BF086936.D

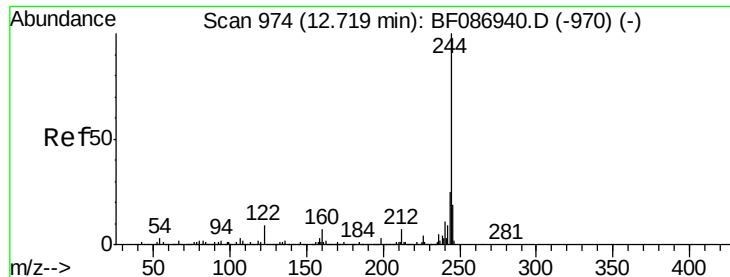
Acq: 12 May 2016 17:55

Tgt Ion:	202	Resp:	1036161
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.7	26.5
203	17.1	14.2	21.4



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: 63.31 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086936.D

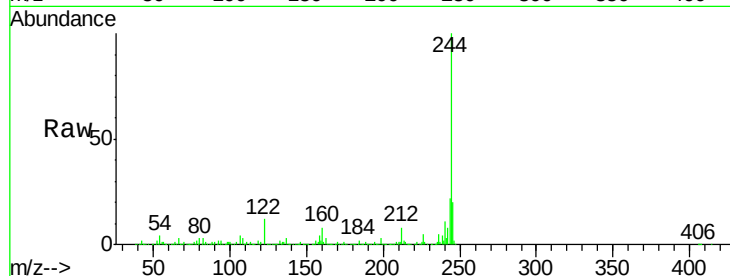
Acq: 12 May 2016 17:55

Instrument :

BNA_F

ClientSampleId :

TP40-4FTMS



Tgt Ion:244 Resp: 1092643

Ion Ratio Lower Upper

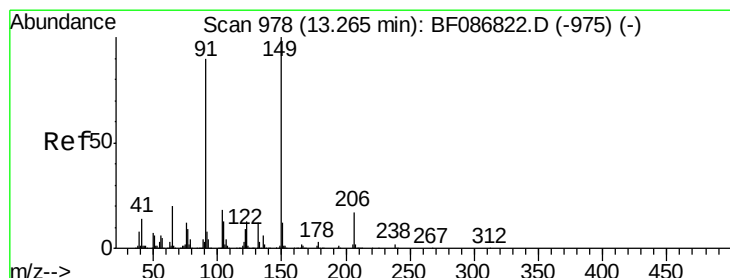
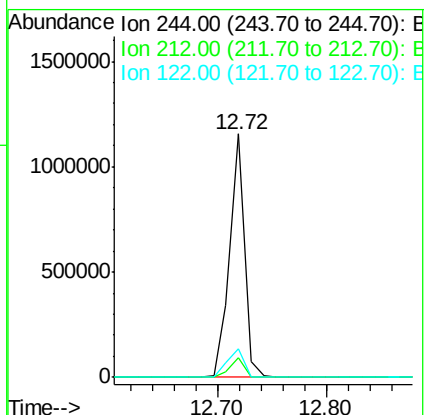
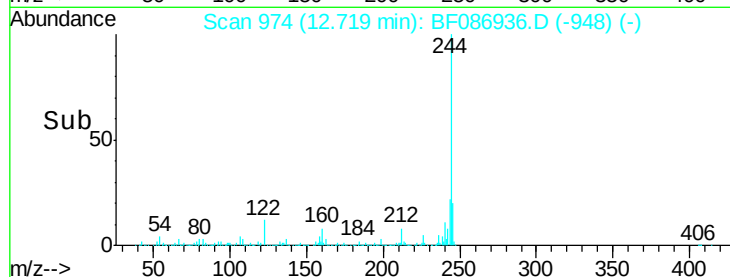
244 100

212 7.8 6.2 9.2

122 11.9 12.0 18.0#

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#79

Butylbenzylphthalate

Concen: 36.42 ng

RT: 13.20 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

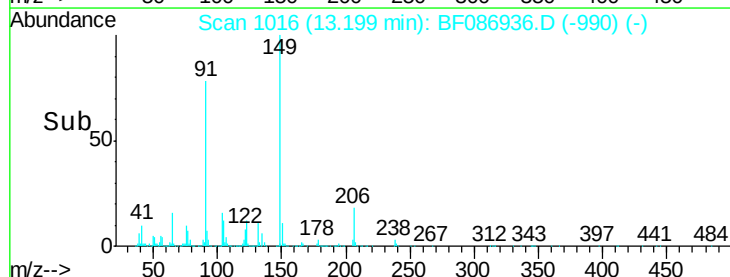
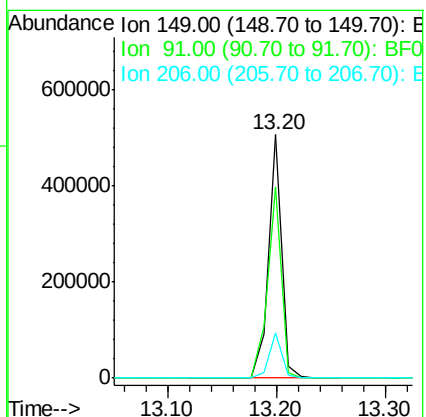
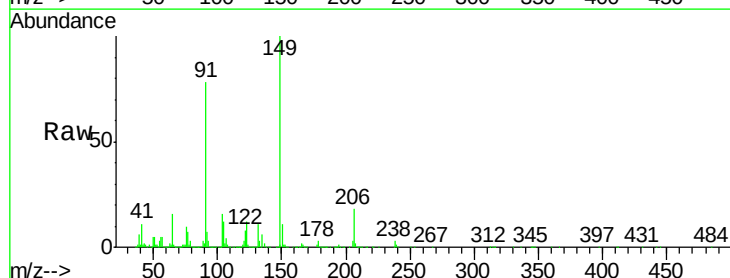
Tgt Ion:149 Resp: 431839

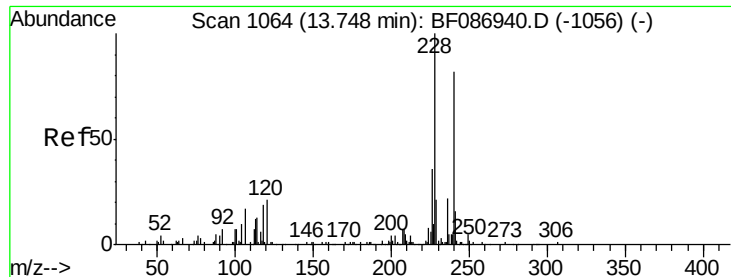
Ion Ratio Lower Upper

149 100

91 78.4 48.0 72.0#

206 18.4 15.8 23.6





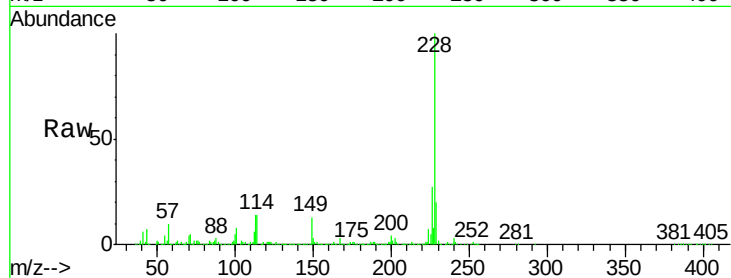
#80
Benzo(a)anthracene
Concen: 33.96 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	698011		
226	26.7	22.5	33.7	
229	20.5	16.6	25.0	

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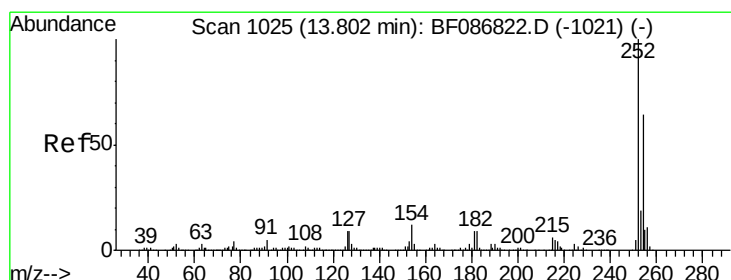
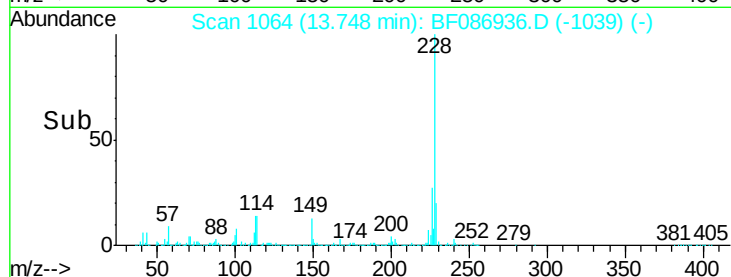
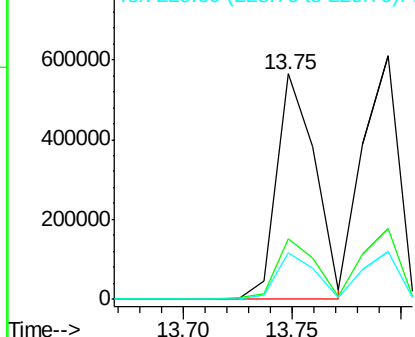


Abundance

Ion 228.00 (227.70 to 228.70): E

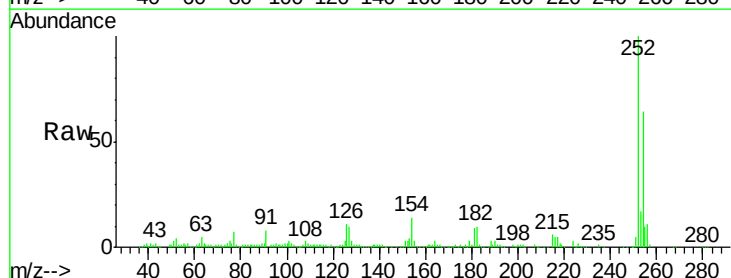
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81
3,3'-Dichlorobenzidine
Concen: 12.07 ng
RT: 13.73 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	157586		
254	64.1	50.7	76.1	
126	10.6	12.7	19.1	

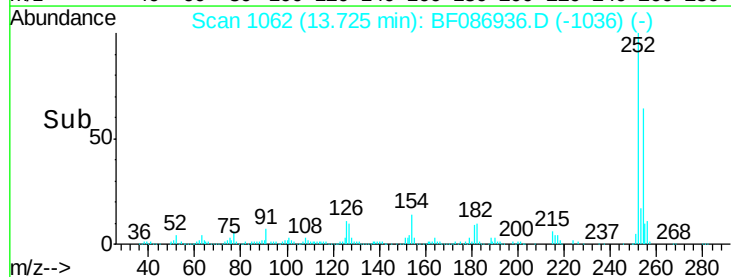
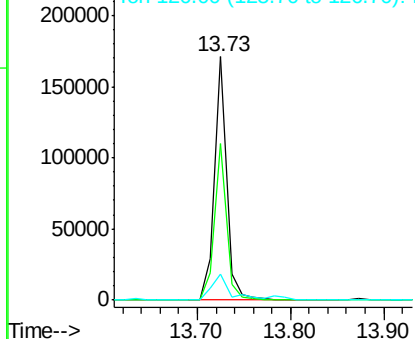


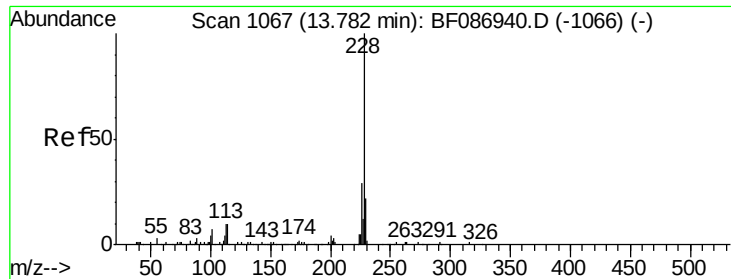
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





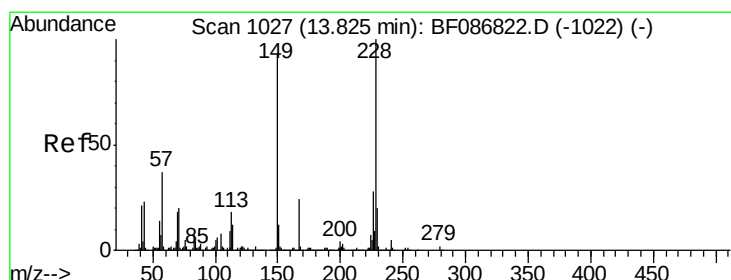
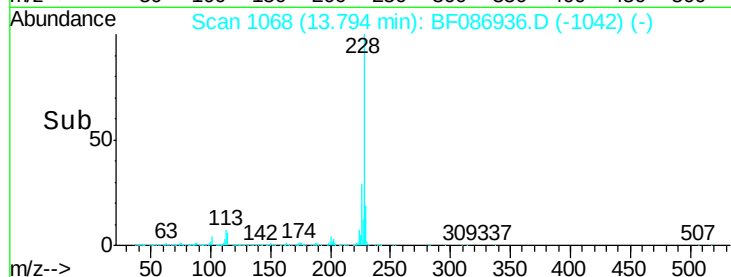
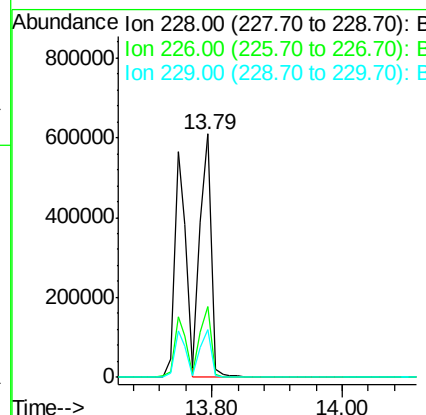
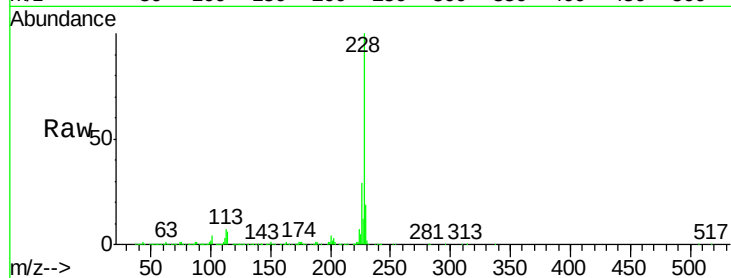
#82
Chrysene
 Concen: 34.19 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FTMS

Tgt Ion:	228	Resp:	714910
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.4	36.6
229	19.5	15.8	23.8

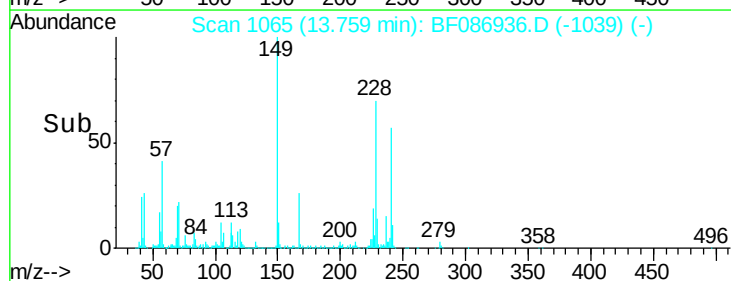
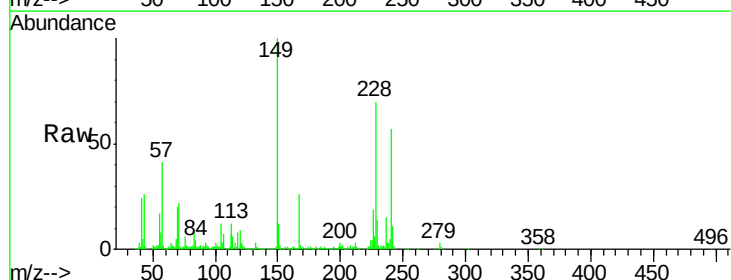
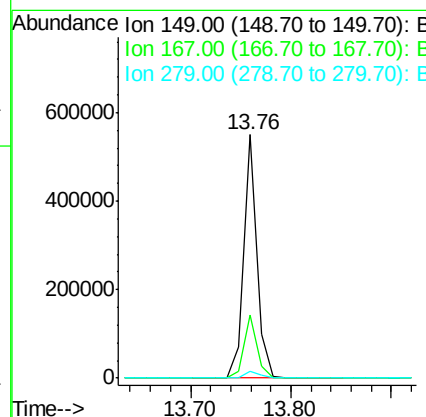
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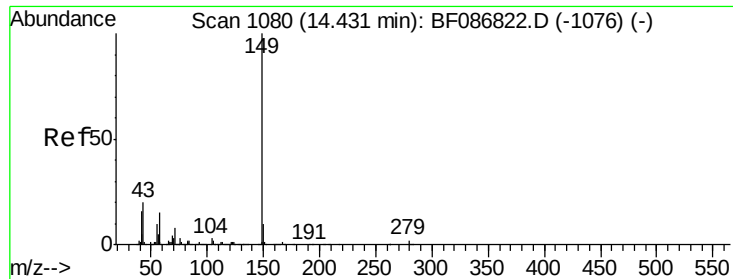
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#83
Bis(2-ethylhexyl)phthalate
 Concen: 35.15 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BF086936.D
 Acq: 12 May 2016 17:55

Tgt Ion:	149	Resp:	501310
Ion Ratio	Lower	Upper	
149	100		
167	26.1	21.8	32.6
279	2.7	2.6	4.0





#84

Di-n-octyl phthalate

Concen: 32.10 ng

RT: 14.37 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Instrument :

BNA_F

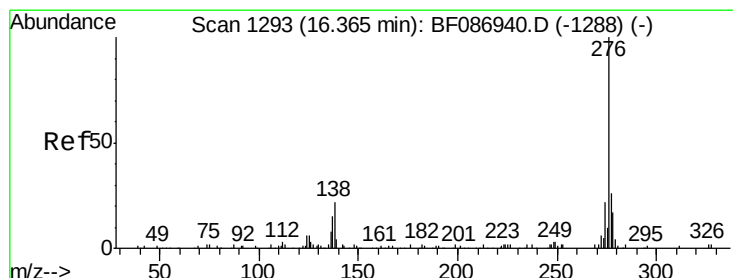
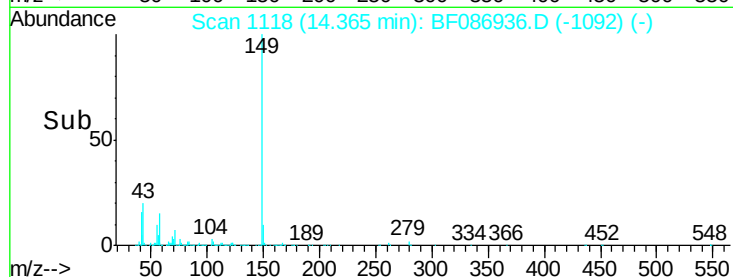
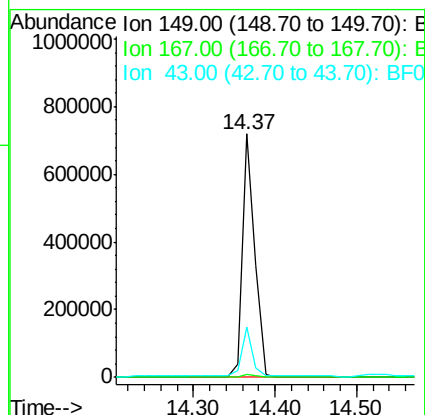
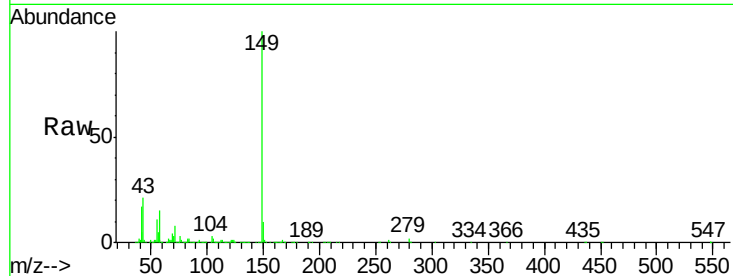
ClientSampleId :

TP40-4FTMS

Tgt Ion:	149	Resp:	758429
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.2	1.8#
43	17.5	8.2	12.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 36.58 ng

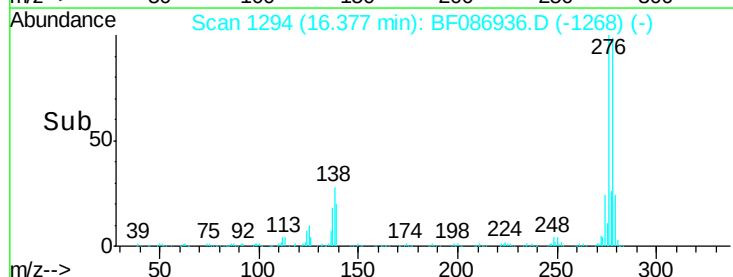
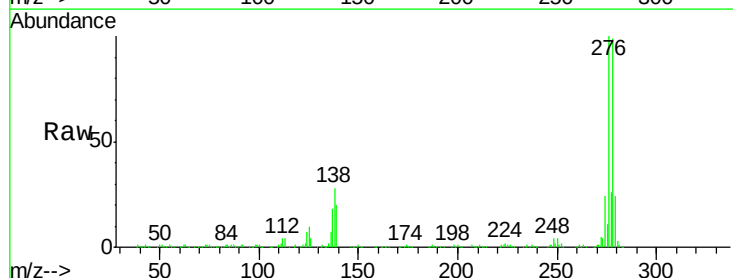
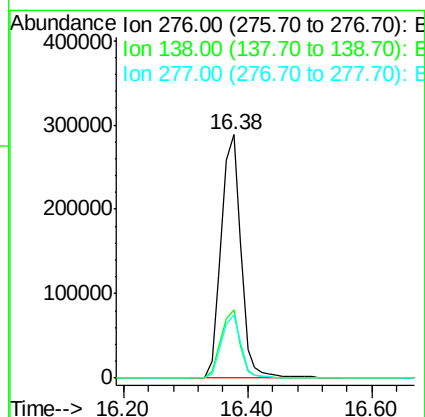
RT: 16.38 min Scan# 1294

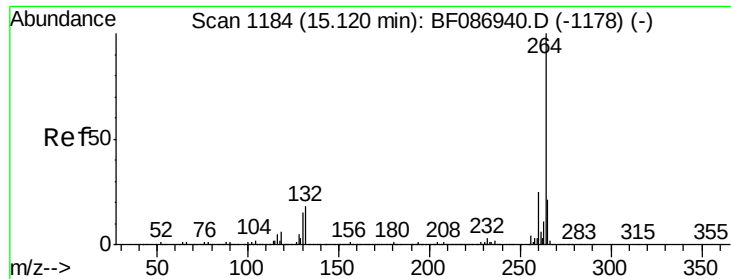
Delta R.T. 0.00 min

Lab File: BF086936.D

Acq: 12 May 2016 17:55

Tgt Ion:	276	Resp:	636395
Ion Ratio	Lower	Upper	
276	100		
138	27.5	25.6	38.4
277	25.6	20.5	30.7





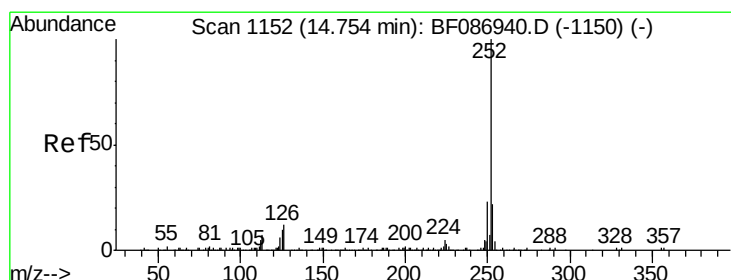
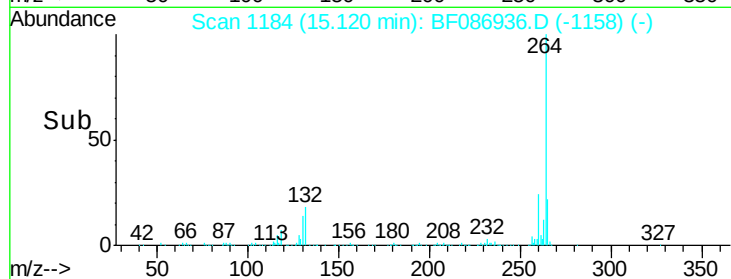
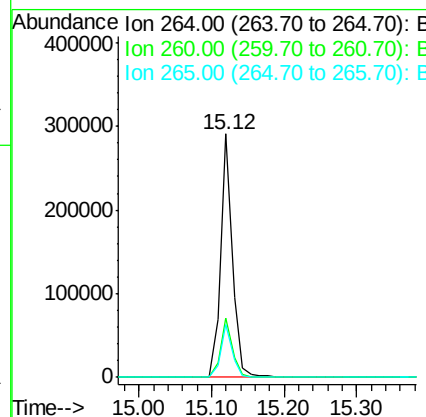
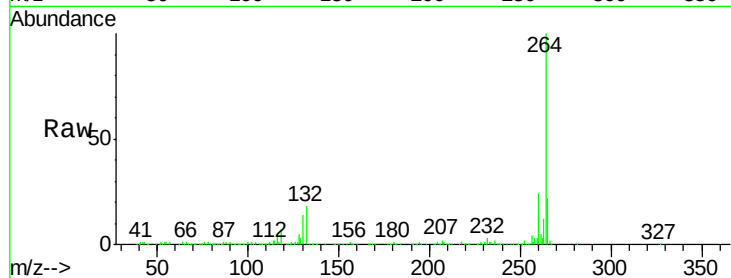
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	330774		
260	24.1	19.5	29.3	
265	21.6	17.3	25.9	

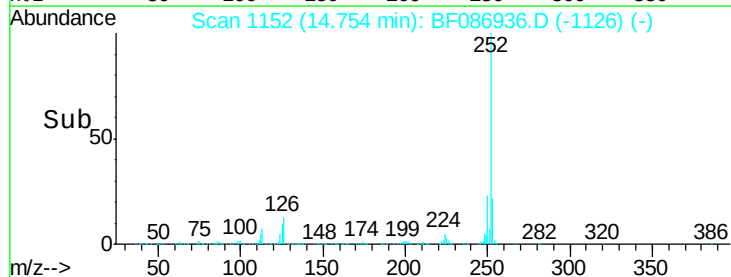
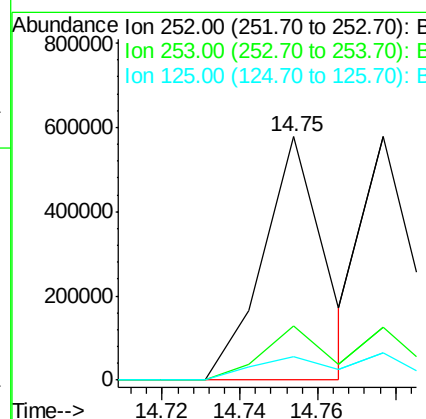
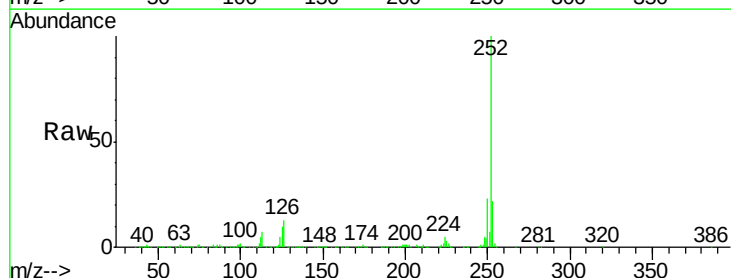
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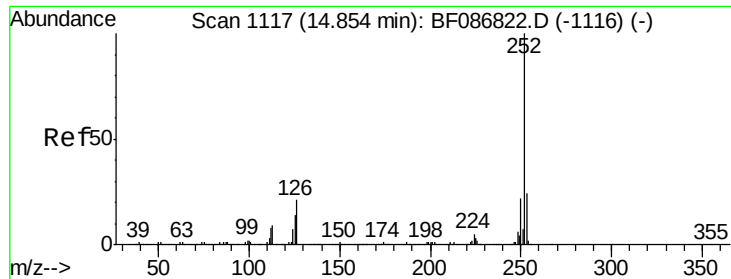
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#87
Benzo(b)fluoranthene
Concen: 29.19 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	627566		
253	22.2	17.8	26.6	
125	9.6	11.4	17.0	





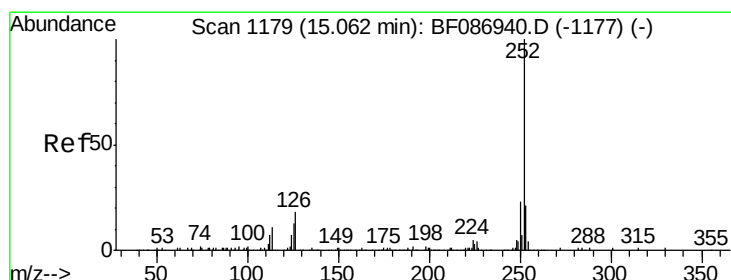
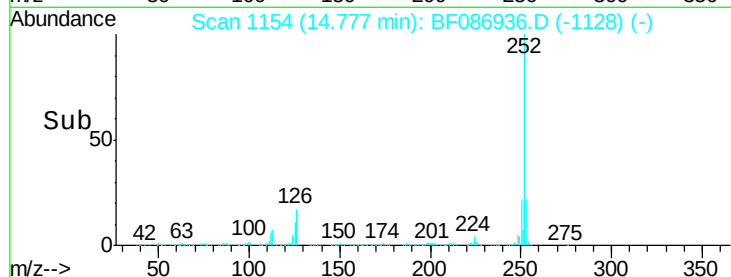
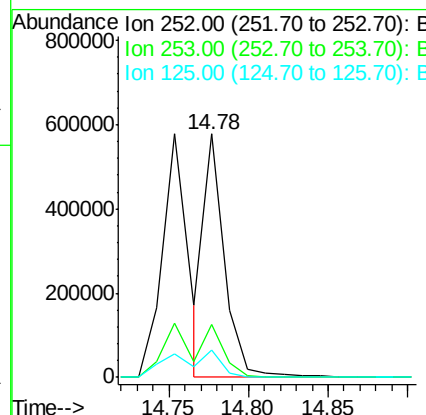
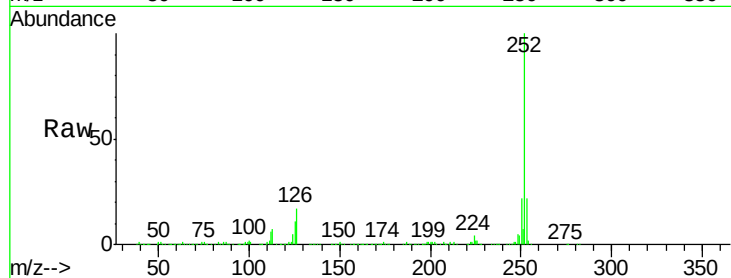
#88
Benzo(k)fluoranthene
Concen: 30.40 ng m
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	535103		
253	21.6	17.8	26.6	
125	11.4	9.1	13.7	

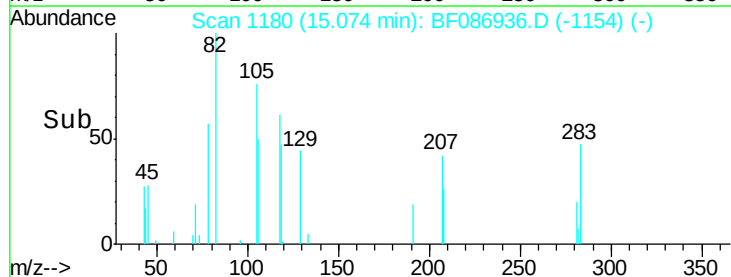
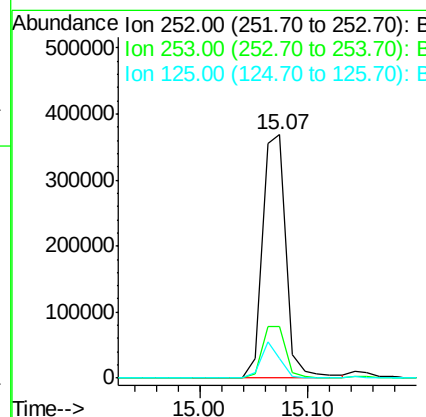
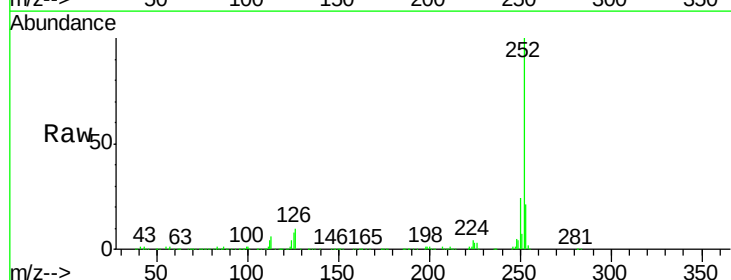
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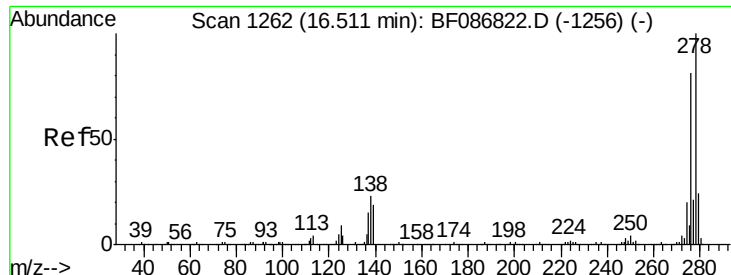
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#89
Benzo(a)pyrene
Concen: 29.92 ng
RT: 15.07 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	554805		
253	21.2	17.2	25.8	
125	7.8	9.0	13.6	





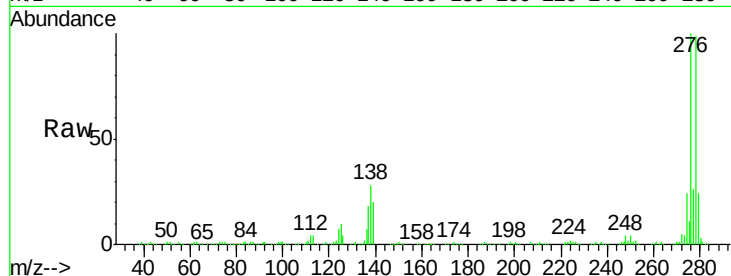
#90
Dibenzo(a,h)anthracene
Concen: 34.72 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Instrument :
BNA_F
ClientSampleId :
TP40-4FTMS

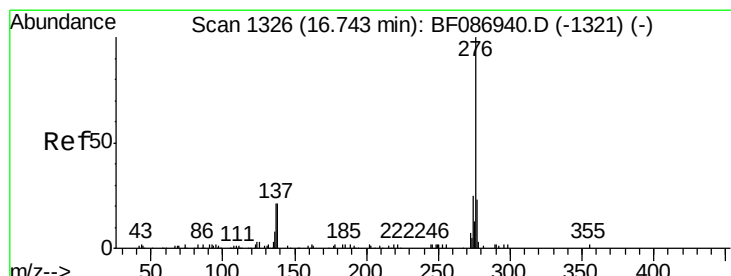
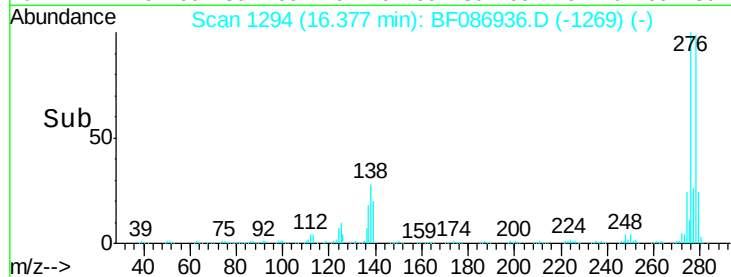
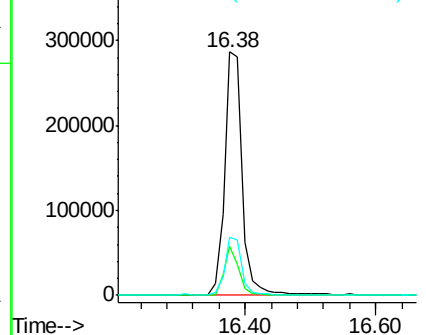
Tgt Ion:	278	Resp:	542524
Ion Ratio	Lower	Upper	
278	100		
139	20.4	16.6	24.8
279	23.9	19.6	29.4

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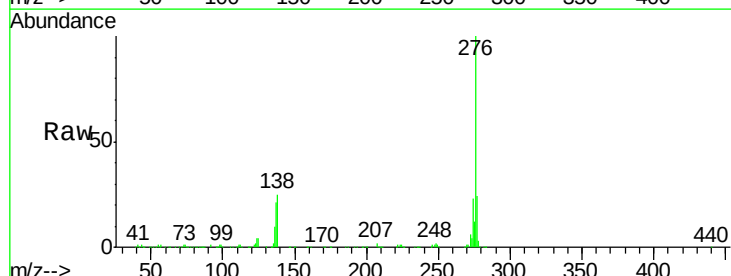


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 34.32 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF086936.D
Acq: 12 May 2016 17:55

Tgt Ion:	276	Resp:	544966
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.6	29.4
138	24.8	23.6	35.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

