

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021216\
 Data File : BF085039.D
 Acq On : 12 Feb 2016 4:12
 Operator : SJ/IZ
 Sample : H1410-01MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Manual Integrations
 APPROVED

Sohil
 2/12/2016 12:27:47 PM

Quant Time: Feb 12 04:43:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	142294	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	592502	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	275235	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	522705	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	323809	20.00	ng	-0.01
86) Perylene-d12	15.11	264	306784	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1096291	120.00	ng	0.01
7) Phenol-d6	6.27	99	1371480	121.10	ng	-0.01
23) Nitrobenzene-d5	7.19	82	956946	90.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	416468	145.06	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	1627446	110.83	ng	-0.01
78) Terphenyl-d14	12.72	244	1656976	115.96	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.23	88	155494	38.86	ng	# 68
3) Pyridine	2.83	79	367071	35.21	ng	# 78
4) n-Nitrosodimethylamine	2.78	42	232001	43.02	ng	83
6) Aniline	6.27	93	152051	10.97	ng	# 25
8) 2-Chlorophenol	6.40	128	478436	46.27	ng	93
9) Benzaldehyde	6.16	77	120750	18.05	ng	# 67
10) Phenol	6.28	94	454990	35.86	ng	96
11) bis(2-Chloroethyl)ether	6.36	93	495842	50.12	ng	94
12) 1,3-Dichlorobenzene	6.55	146	470335	43.05	ng	# 94
13) 1,4-Dichlorobenzene	6.63	146	482589	44.19	ng	96
14) 1,2-Dichlorobenzene	6.78	146	421621	41.45	ng	93
15) Benzyl Alcohol	6.78	79	419056	53.58	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.90	45	713834	42.89	ng	69
17) 2-Methylphenol	6.90	107	371015	45.37	ng	# 84
18) Hexachloroethane	7.12	117	203907	48.48	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	356625	50.23	ng	# 85
20) 3+4-Methylphenols	7.05	107	493795	48.65	ng	87
22) Acetophenone	7.04	105	724674	46.41	ng	# 94
24) Nitrobenzene	7.21	77	527470	46.83	ng	# 85
25) Isophorone	7.45	82	951831	46.54	ng	99
26) 2-Nitrophenol	7.52	139	248590	44.75	ng	# 84
27) 2,4-Dimethylphenol	7.58	122	437177	45.24	ng	94
28) bis(2-Chloroethoxy)methane	7.67	93	632392	52.12	ng	98
29) 2,4-Dichlorophenol	7.77	162	410399	49.64	ng	98
30) 1,2,4-Trichlorobenzene	7.84	180	419636	44.94	ng	96
31) Naphthalene	7.92	128	1464703	49.28	ng	99
32) Benzoic acid	7.72	122	216157	34.98	ng	96
33) 4-Chloroaniline	7.98	127	93592	7.61	ng	95
34) Hexachlorobutadiene	8.04	225	241727	44.89	ng	99
35) Caprolactam	8.36	113	109783m	43.08	ng	
36) 4-Chloro-3-methylphenol	8.49	107	464010	49.20	ng	92
37) 2-Methylnaphthalene	8.62	142	1037248	55.76	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	374374	42.83	ng	99
40) Hexachlorocyclopentadiene	8.76	237	289214	76.37	ng	98

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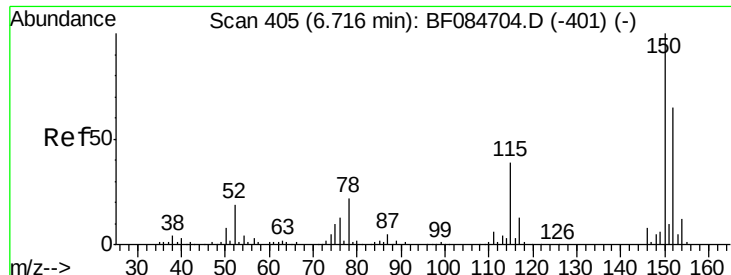
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	277592	49.29	ng	97
43) 2,4,5-Trichlorophenol	8.95	196	254050	44.40	ng #	81
45) 1,1'-Biphenyl	9.08	154	1161021	47.23	ng	95
46) 2-Chloronaphthalene	9.10	162	804789	44.45	ng	96
47) 2-Nitroaniline	9.21	65	306566	53.48	ng #	79
48) Acenaphthylene	9.51	152	1242720	45.23	ng	98
49) Dimethylphthalate	9.39	163	970235	46.28	ng #	90
50) 2,6-Dinitrotoluene	9.45	165	195598	42.71	ng #	48
51) Acenaphthene	9.68	154	802936	44.92	ng	96
52) 3-Nitroaniline	9.62	138	72390	14.07	ng #	72
53) 2,4-Dinitrophenol	9.74	184	107012	52.76	ng	89
54) Dibenzofuran	9.86	168	1203623	55.10	ng	99
55) 4-Nitrophenol	9.80	139	233970	61.86	ng #	70
56) 2,4-Dinitrotoluene	9.86	165	303839	52.02	ng #	92
57) Fluorene	10.19	166	882257	48.36	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	240424	55.20	ng #	85
59) Diethylphthalate	10.09	149	942443	46.04	ng	99
60) 4-Chlorophenyl-phenylether	10.19	204	395740	52.91	ng	96
61) 4-Nitroaniline	10.24	138	234689	46.80	ng	86
62) Azobenzene	10.35	77	1040130	52.84	ng	92
64) 4,6-Dinitro-2-methylphenol	10.26	198	104820	32.49	ng #	53
65) n-Nitrosodiphenylamine	10.32	169	822320	49.54	ng	100
66) 4-Bromophenyl-phenylether	10.68	248	294121	50.95	ng	99
67) Hexachlorobenzene	10.74	284	282866	44.97	ng #	88
68) Atrazine	10.86	200	296480	56.56	ng	97
69) Pentachlorophenol	10.95	266	242598	82.06	ng	98
70) Phenanthrene	11.15	178	1388064	47.88	ng	97
71) Anthracene	11.21	178	1364707	46.72	ng	99
72) Carbazole	11.37	167	1298890	50.99	ng	98
73) Di-n-butylphthalate	11.70	149	1422445	43.86	ng #	97
74) Fluoranthene	12.33	202	1240105	42.26	ng	99
76) Benzidine	12.47	184	210336	20.13	ng	97
77) Pyrene	12.56	202	1259234	50.79	ng	98
79) Butylbenzylphthalate	13.20	149	614040	54.60	ng #	82
80) Benzo(a)anthracene	13.75	228	999509	49.73	ng	99
81) 3,3'-Dichlorobenzidine	13.71	252	89624	12.59	ng #	90
82) Chrysene	13.78	228	883848m	45.35	ng	
83) Bis(2-ethylhexyl)phthalate	13.76	149	772891	55.22	ng #	97
84) Di-n-octyl phthalate	14.37	149	1151389	49.86	ng #	90
85) Indeno(1,2,3-cd)pyrene	16.37	276	962130	62.72	ng	99
87) Benzo(b)fluoranthene	14.75	252	1079919m	52.39	ng	
88) Benzo(k)fluoranthene	14.78	252	681084m	39.96	ng	
89) Benzo(a)pyrene	15.06	252	817495	46.55	ng #	97
90) Dibenzo(a,h)anthracene	16.38	278	782967	52.96	ng	96
91) Benzo(g,h,i)perylene	16.74	276	803922	53.98	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

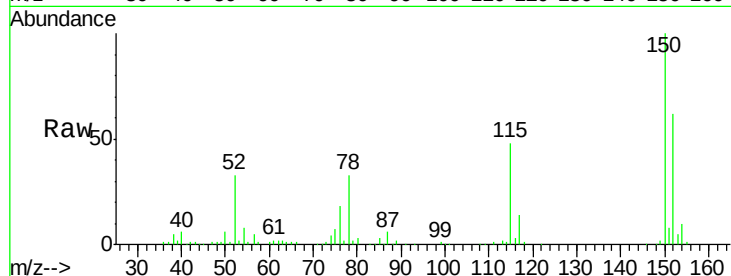
ClientSampleId :

SUP-B004(16-18)MSD

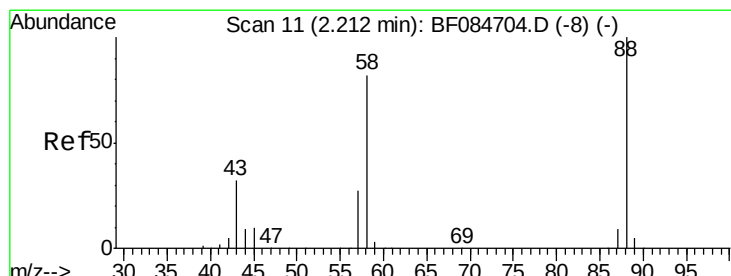
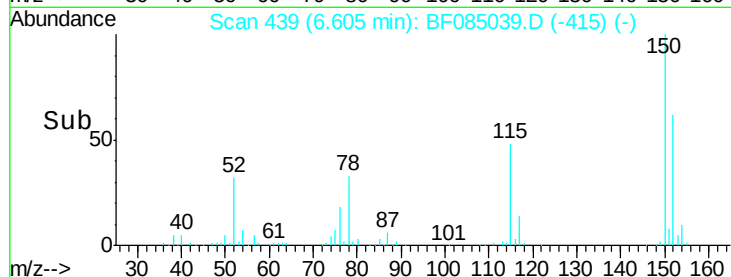
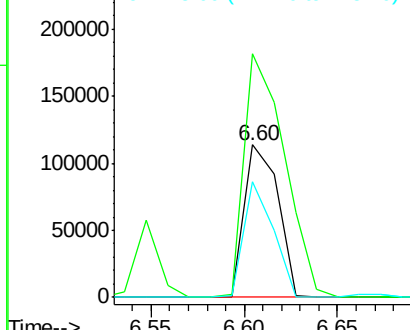
Tgt Ion:	152	Resp:	142294
Ion Ratio	Lower	Upper	
152	100		
150	160.1	123.0	184.4
115	76.3	51.4	77.2

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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: 38.86 ng

RT: 2.23 min Scan# 56

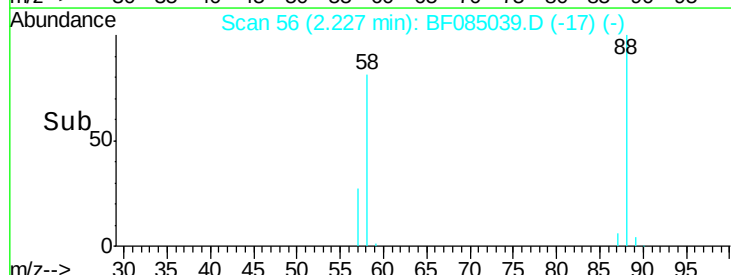
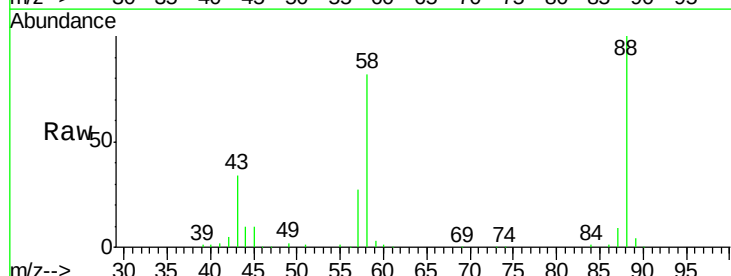
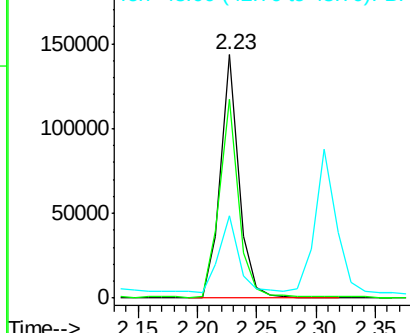
Delta R.T. 0.15 min

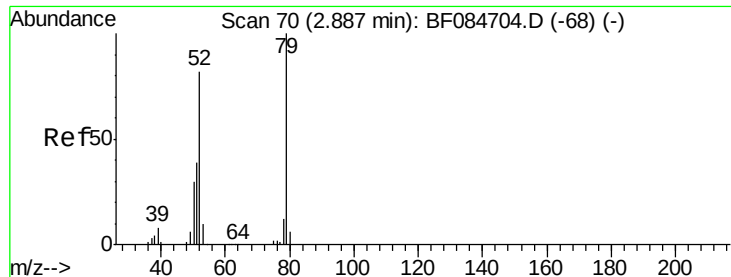
Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	88	Resp:	155494
Ion Ratio	Lower	Upper	
88	100		
58	83.7	51.2	76.8#
43	0.0	19.5	29.3#

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: 35.21 ng

RT: 2.83 min Scan# 109

Delta R.T. 0.11 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

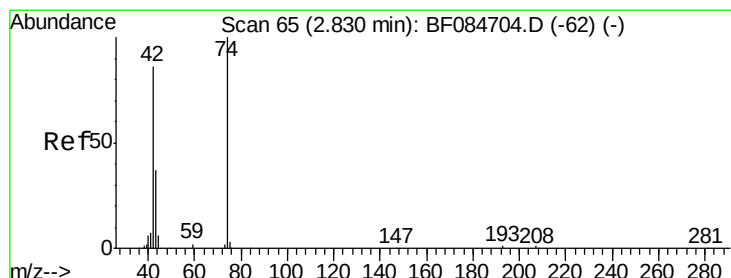
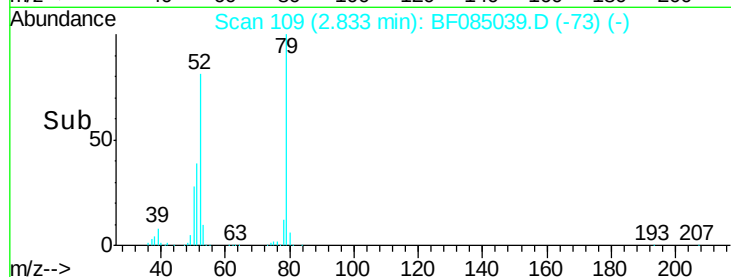
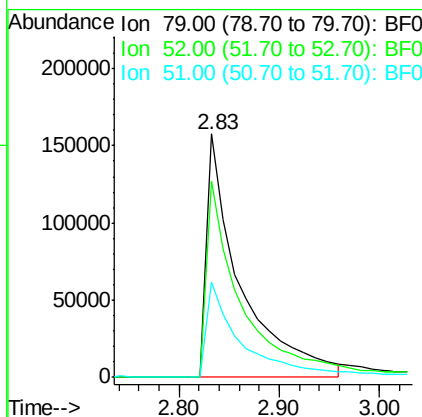
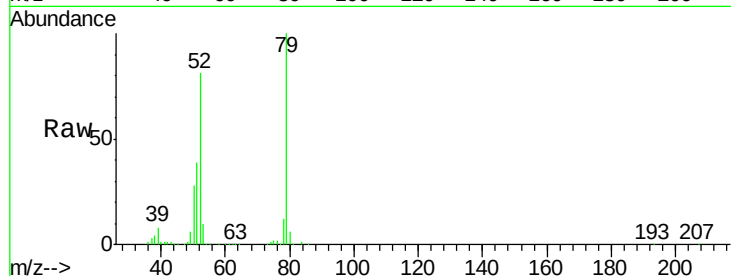
ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:	79	Resp:	367071
Ion Ratio		Lower	Upper
79	100		
52	80.7	49.0	73.4#
51	39.3	25.2	37.8#

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#4

n-Nitrosodimethylamine

Concen: 43.02 ng

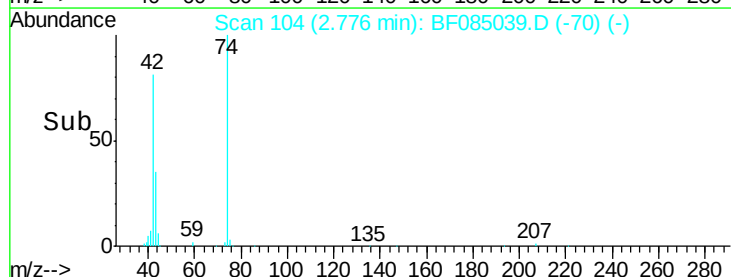
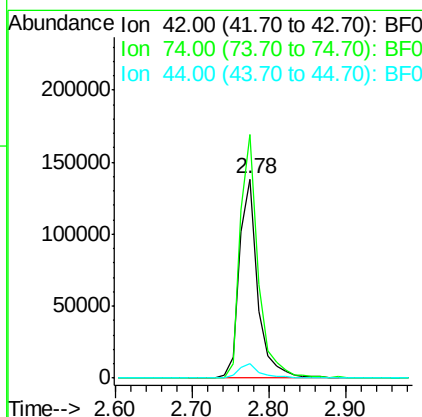
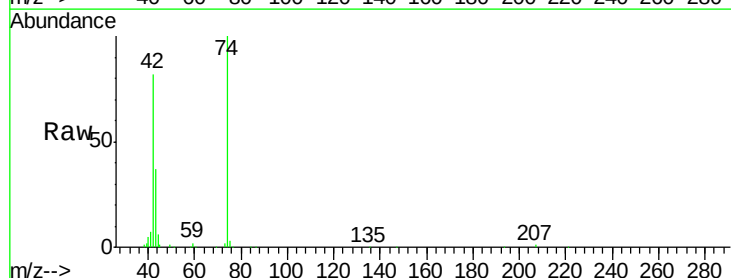
RT: 2.78 min Scan# 104

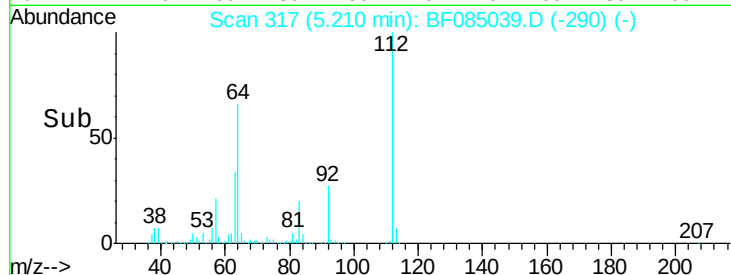
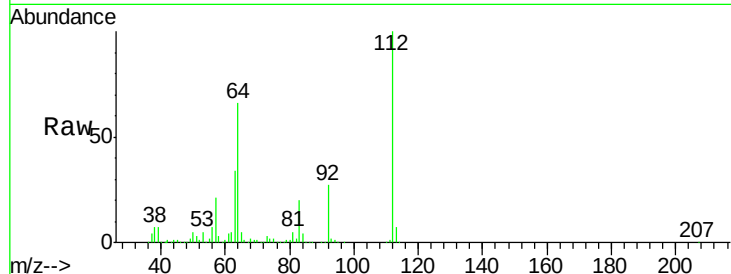
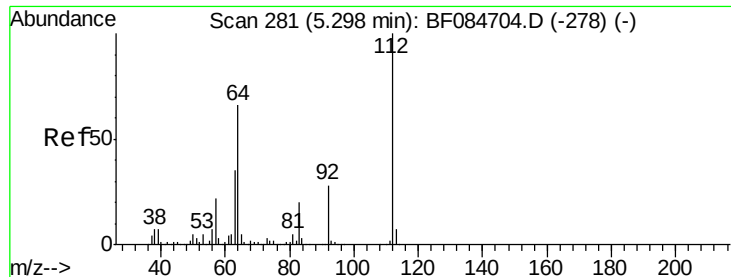
Delta R.T. 0.09 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	42	Resp:	232001
Ion Ratio		Lower	Upper
42	100		
74	122.4	115.7	173.5
44	7.1	5.1	7.7





#5

2-Fluorophenol

Concen: 120.00 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

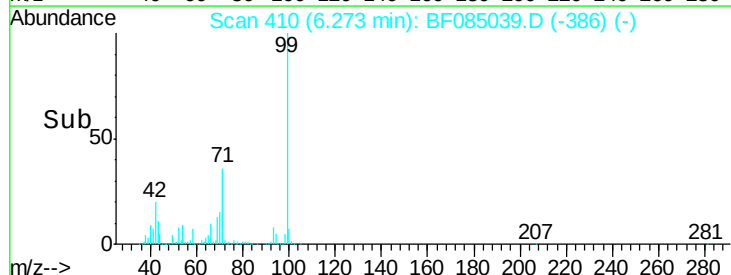
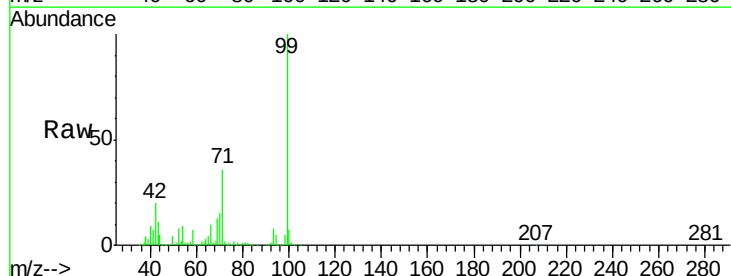
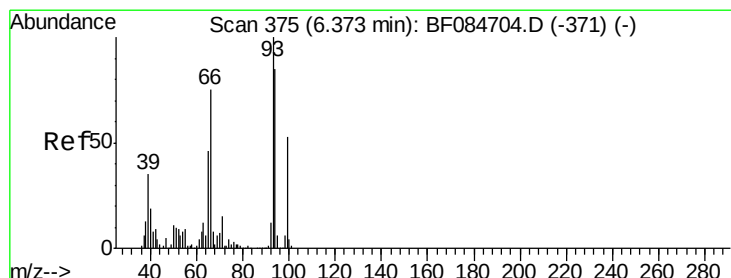
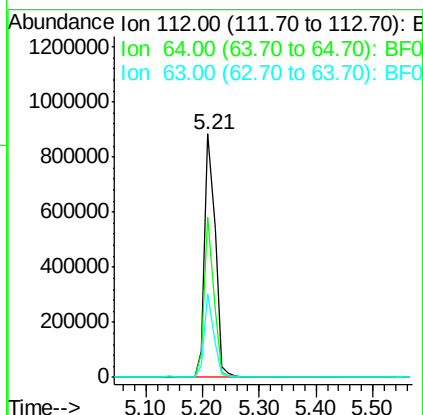
ClientSampleId :

SUP-B004(16-18)MSD

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Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	36.6	55.0#
63	34.5	19.4	29.0#



#6

Aniline

Concen: 10.97 ng

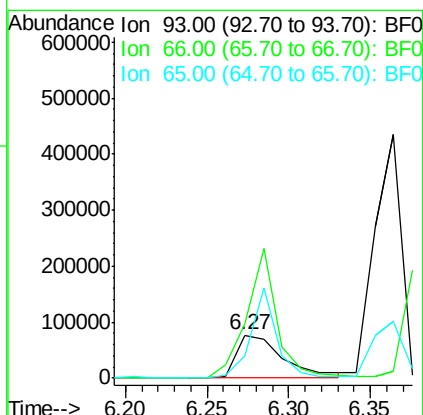
RT: 6.27 min Scan# 410

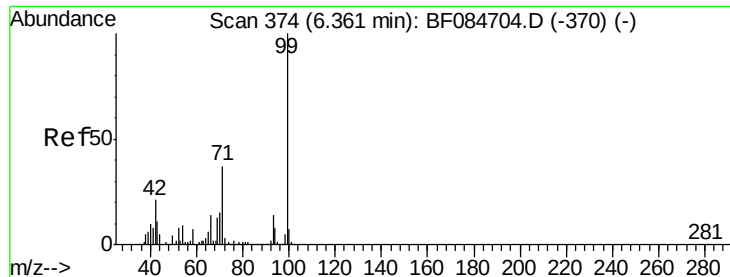
Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
93	100		
66	125.2	44.9	67.3#
65	50.4	23.7	35.5#





#7

Phenol-d6

Concen: 121.10 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion: 99 Resp: 1371480

Ion Ratio Lower Upper

99 100

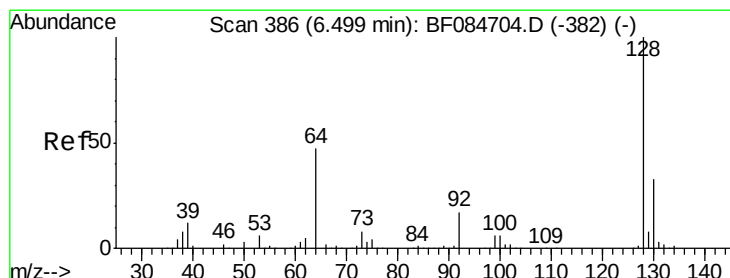
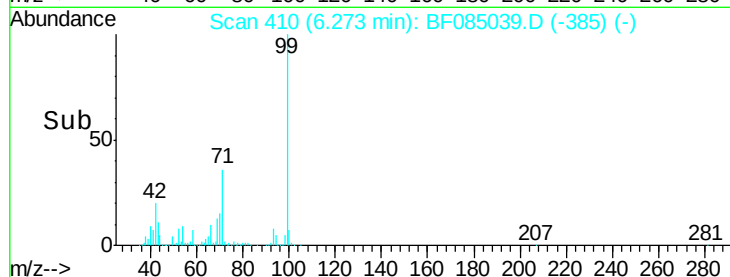
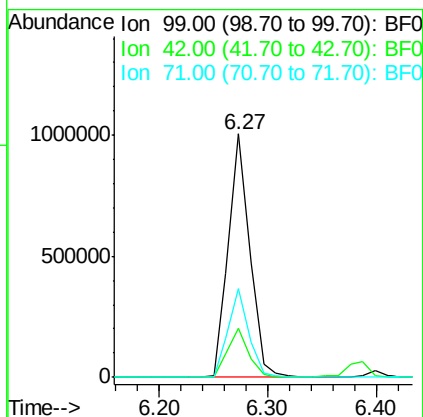
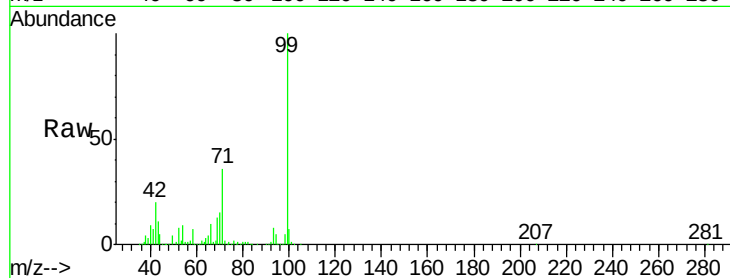
42 19.9 12.8 19.2#

71 36.5 30.9 46.3

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#8

2-Chlorophenol

Concen: 46.27 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

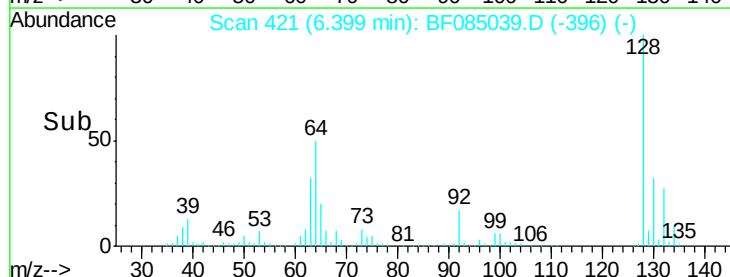
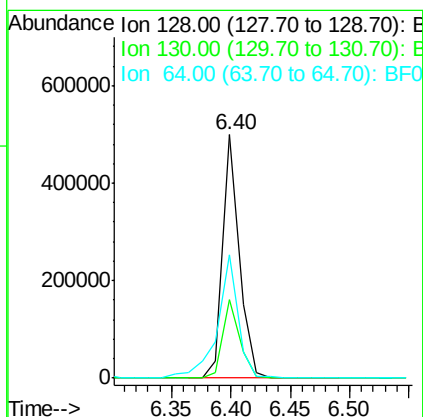
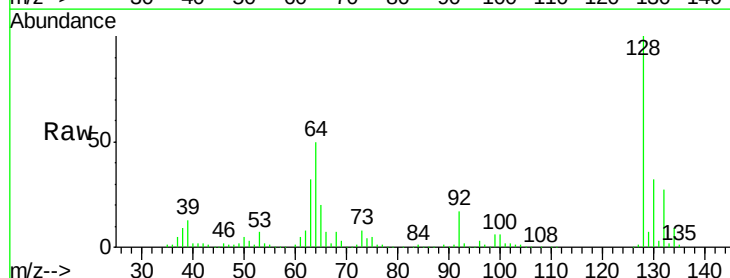
Tgt Ion: 128 Resp: 478436

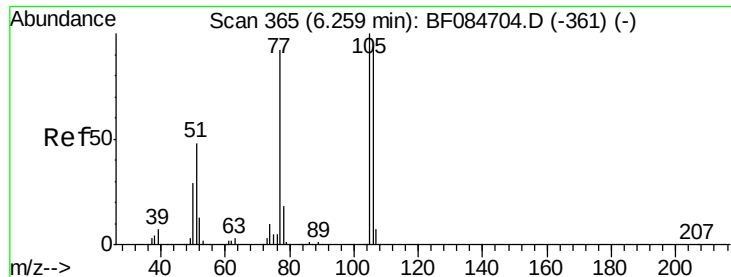
Ion Ratio Lower Upper

128 100

130 32.3 11.6 51.6

64 50.5 23.8 63.8





#9

Benzaldehyde

Concen: 18.05 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF085039.D

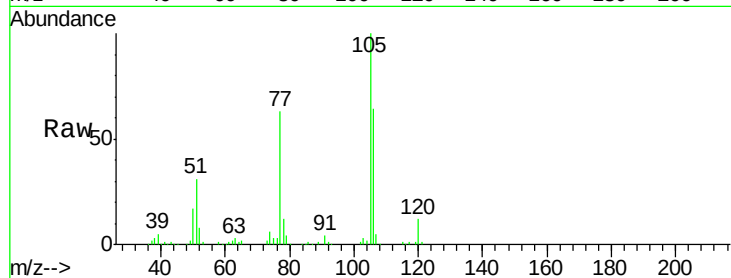
Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

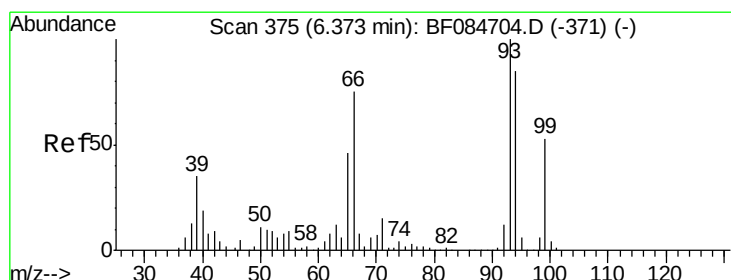
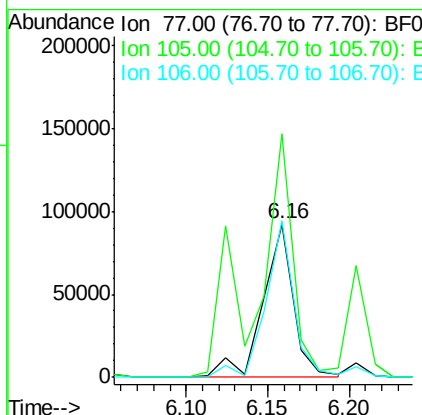
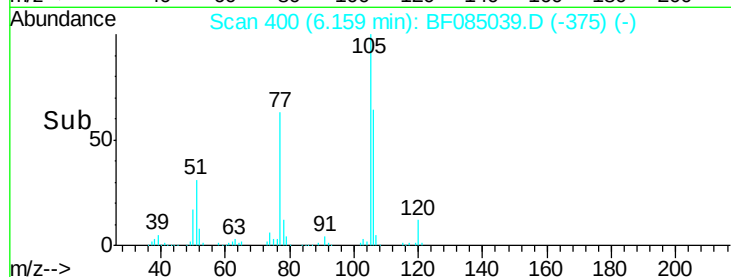
SUP-B004(16-18)MSD



Tgt Ion	Ratio	Lower	Upper
77	100		
105	159.4	83.0	123.0#
106	102.6	74.6	114.6

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#10

Phenol

Concen: 35.86 ng

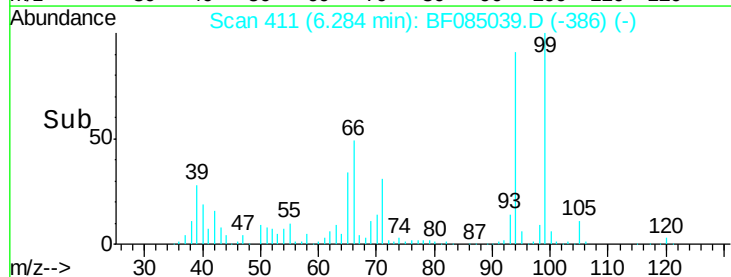
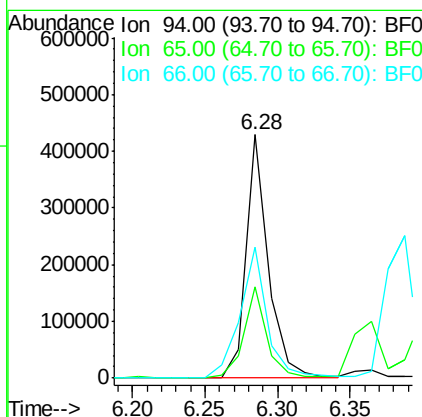
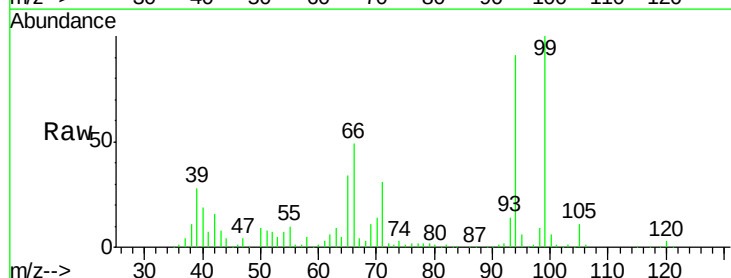
RT: 6.28 min Scan# 411

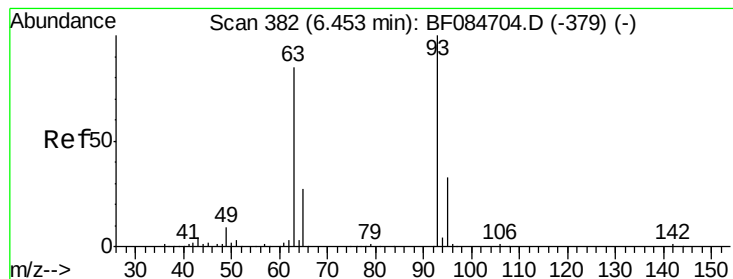
Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
94	100		
65	37.4	12.9	52.9
66	53.8	32.7	72.7





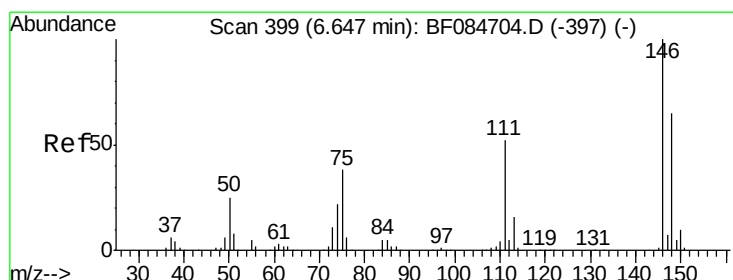
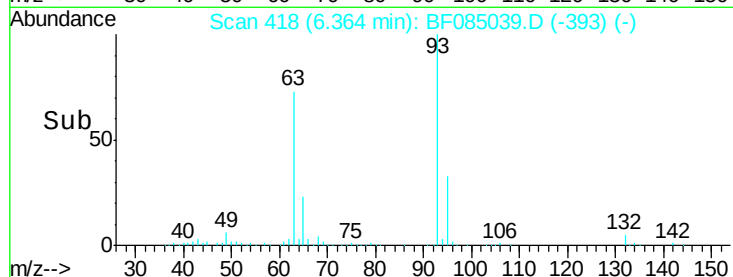
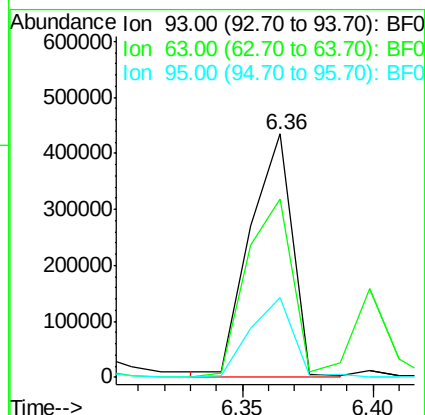
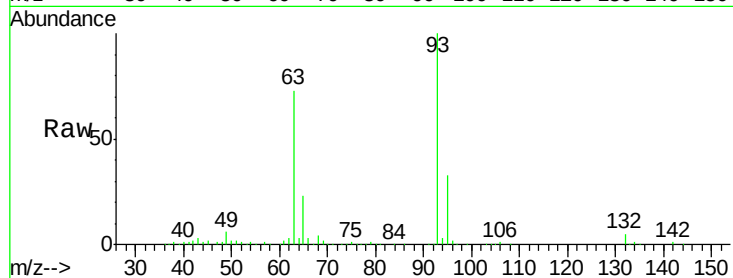
#11
bis(2-Chloroethyl)ether
Concen: 50.12 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	495842		
63	73.2	45.9	85.9	
95	32.8	12.3	52.3	

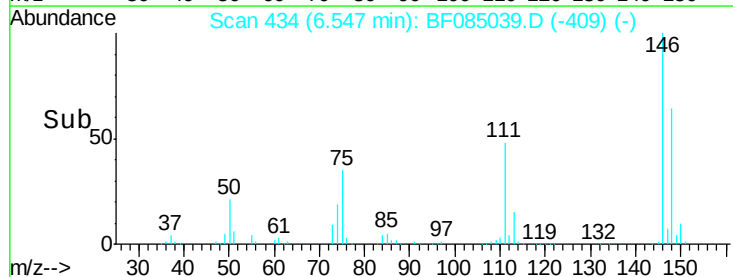
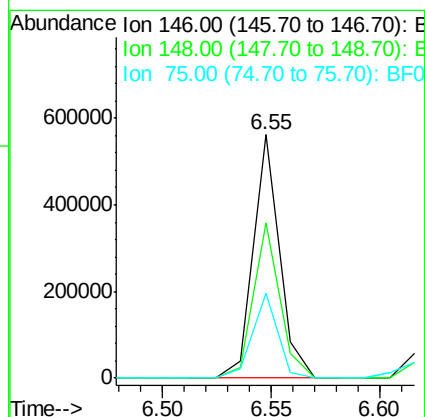
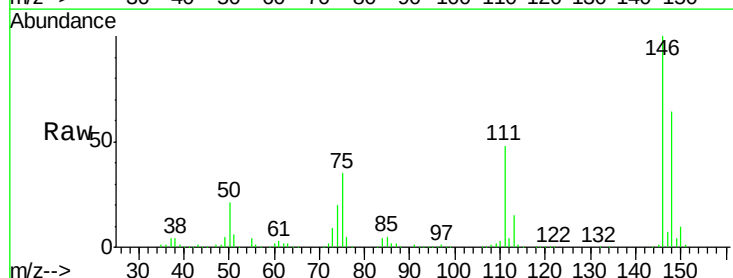
Manual Integrations
APPROVED

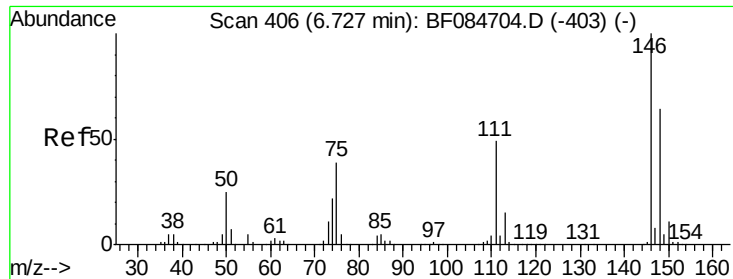
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#12
1,3-Dichlorobenzene
Concen: 43.05 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	470335		
148	64.0	51.9	77.9	
75	35.0	20.5	30.7#	





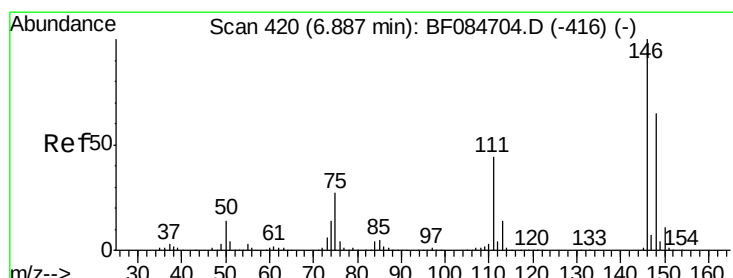
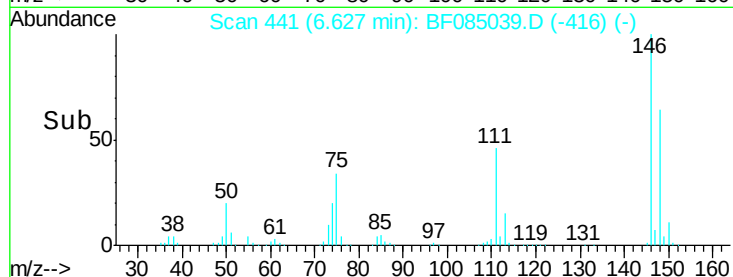
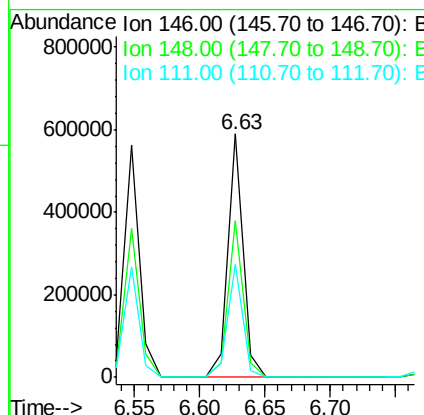
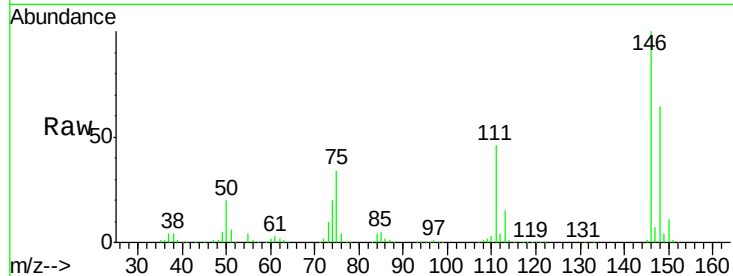
#13
1,4-Dichlorobenzene
Concen: 44.19 ng
RT: 6.63 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	64.3	51.9	77.9
111	46.4	41.6	62.4

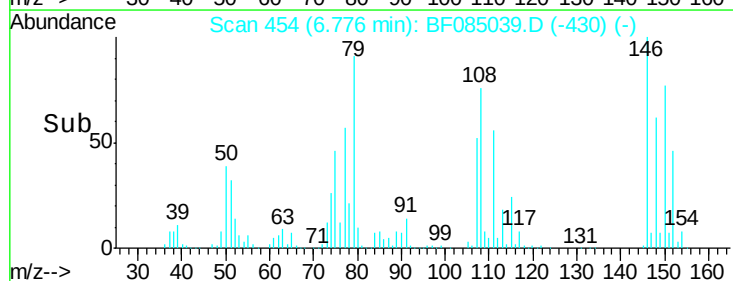
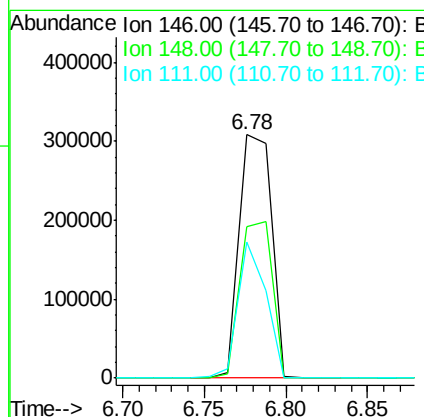
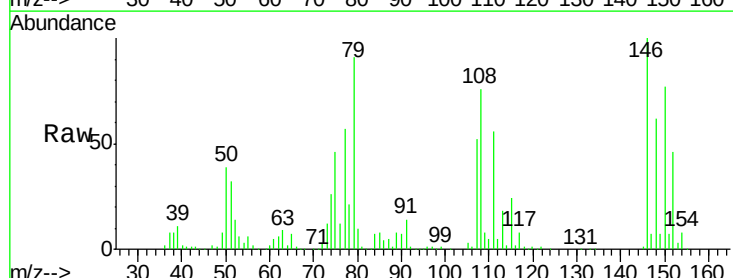
Manual Integrations
APPROVED

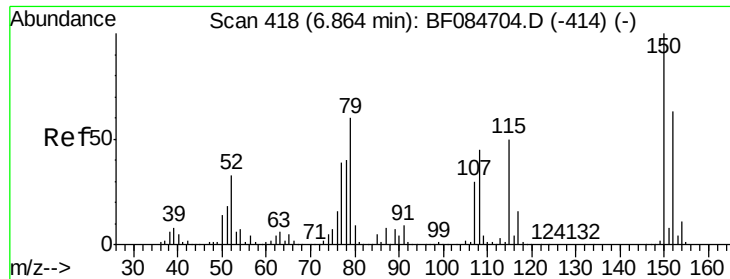
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#14
1,2-Dichlorobenzene
Concen: 41.45 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	62.2	51.6	77.4
111	55.8	38.0	57.0





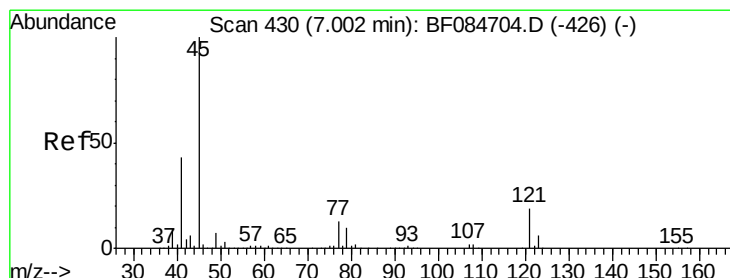
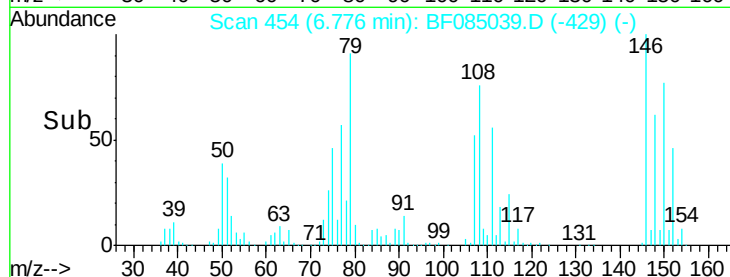
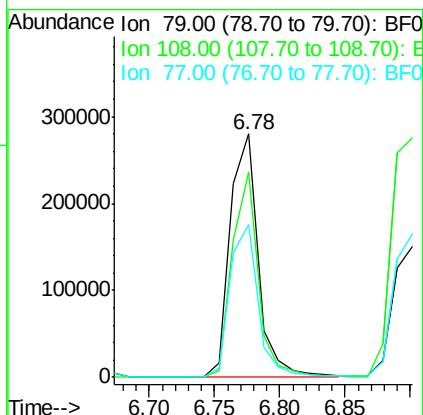
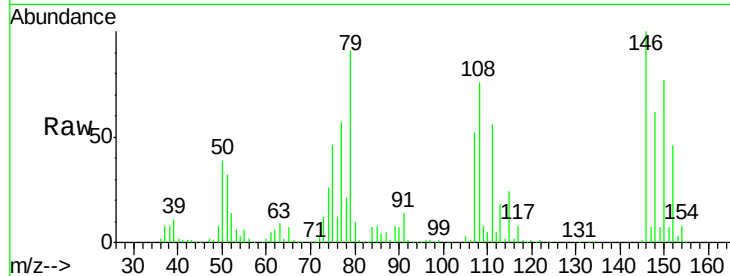
#15
Benzyl Alcohol
Concen: 53.58 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion: 79 Resp: 419056
Ion Ratio Lower Upper
79 100
108 84.1 69.0 103.4
77 62.6 50.0 75.0

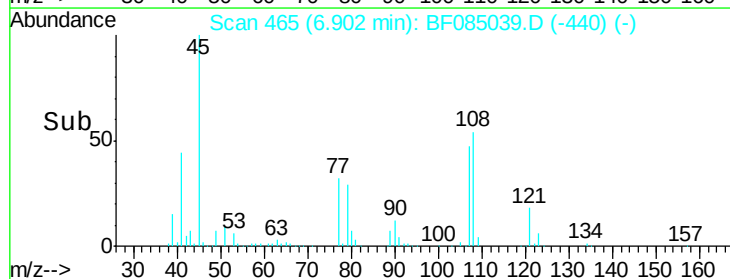
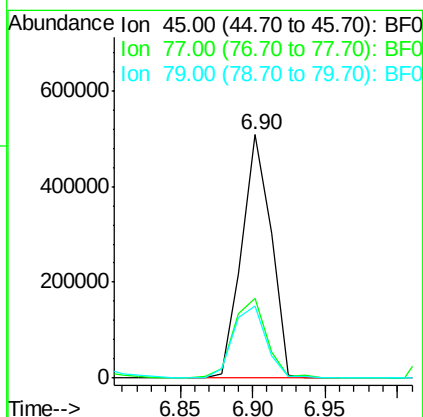
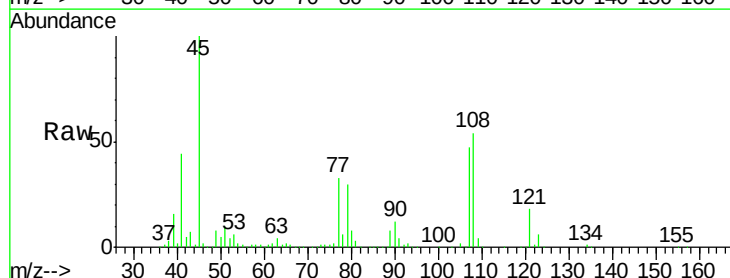
Manual Integrations
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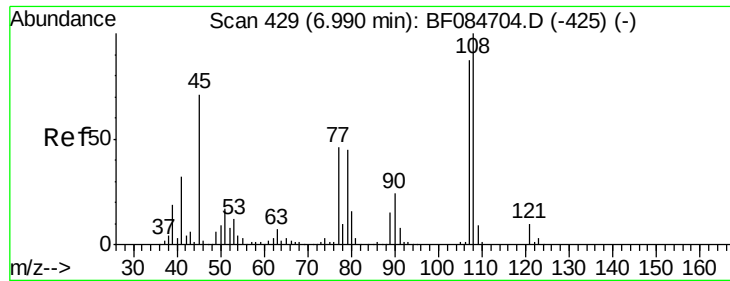
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.89 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion: 45 Resp: 713834
Ion Ratio Lower Upper
45 100
77 32.6 0.0 39.6
79 29.5 0.0 35.0





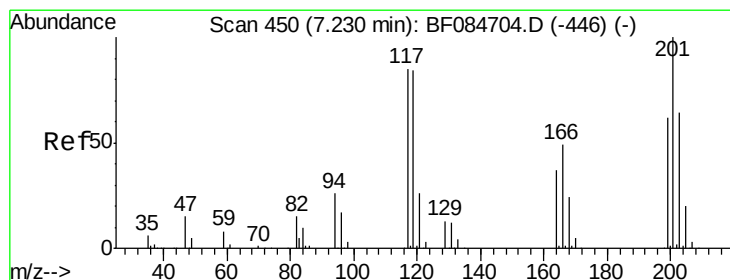
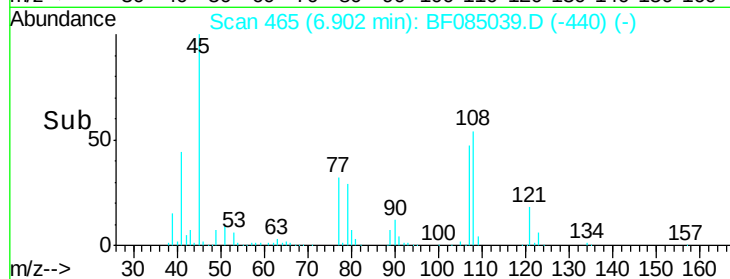
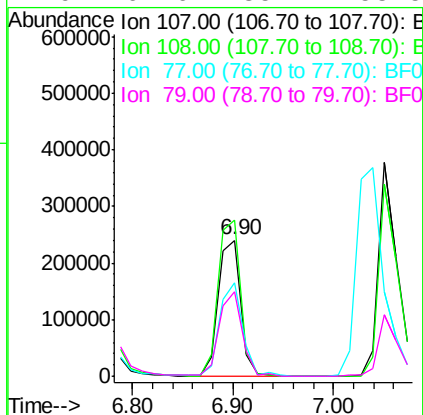
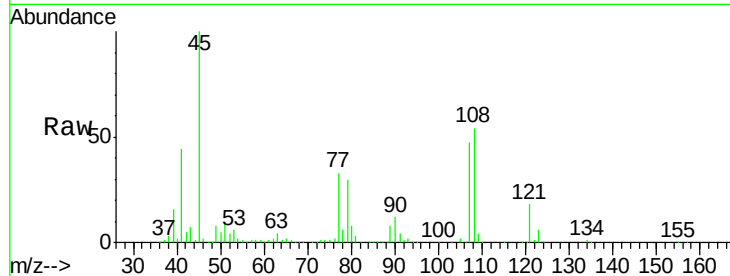
#17
2-Methylphenol
Concen: 45.37 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	115.1	89.8	134.6
77	69.1	35.7	53.5#
79	62.6	35.7	53.5#

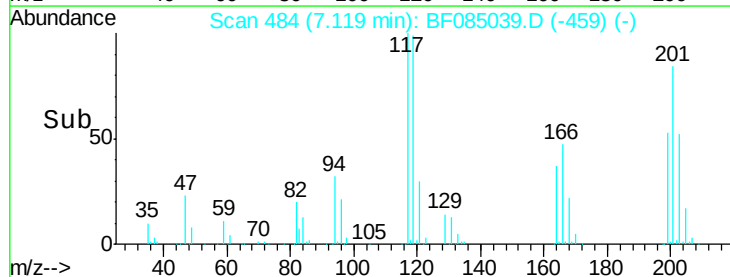
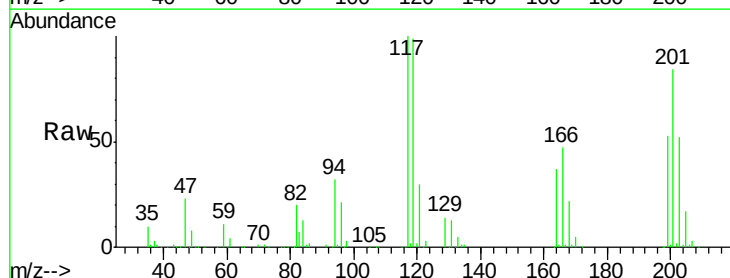
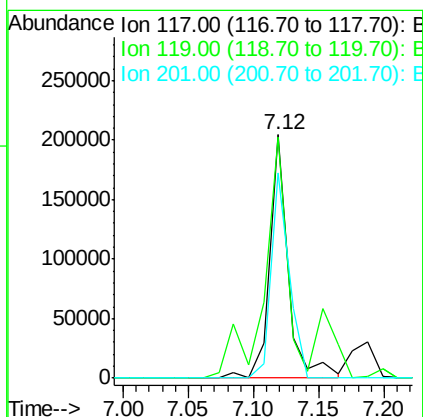
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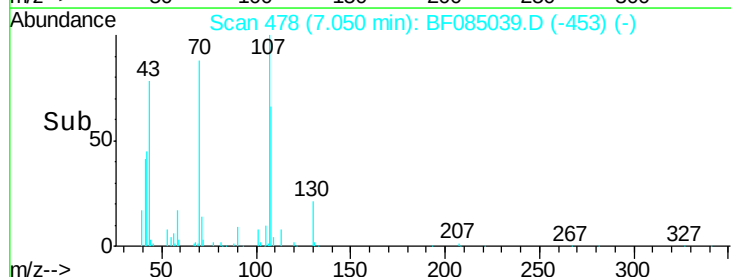
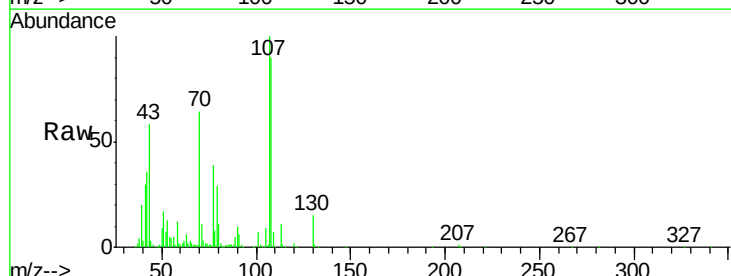
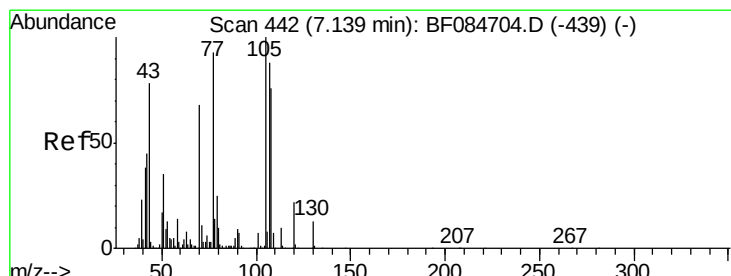
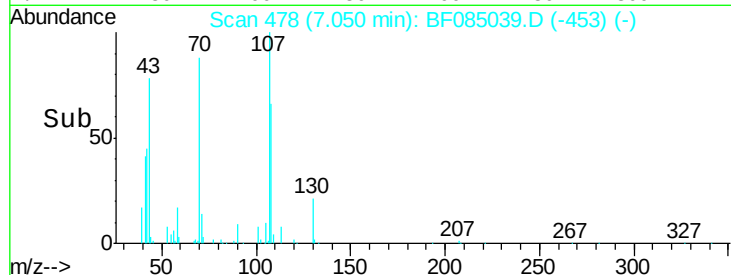
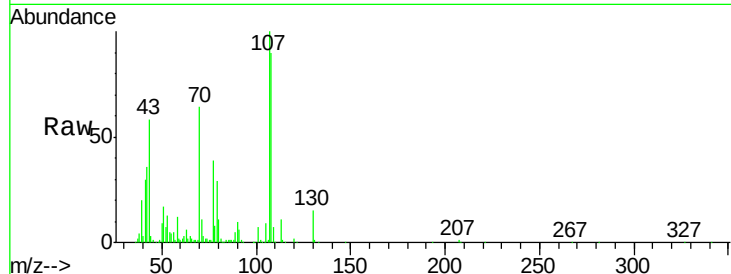
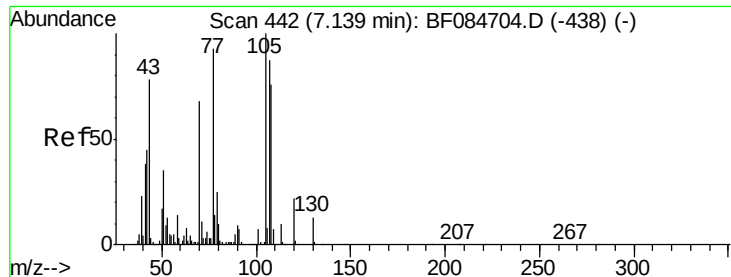
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#18
Hexachloroethane
Concen: 48.48 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	98.9	77.4	116.0
201	84.0	68.6	103.0





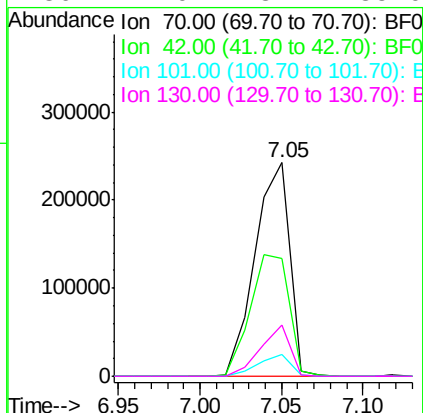
#19
n-Nitroso-di-n-propylamine
Concen: 50.23 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Manual Integrations
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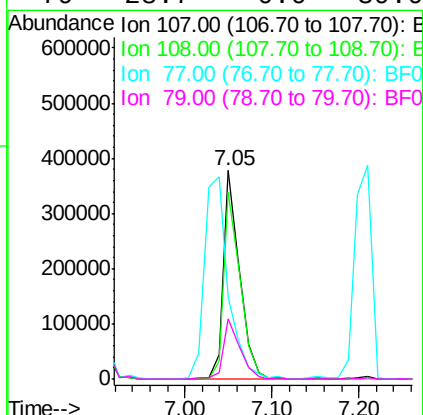
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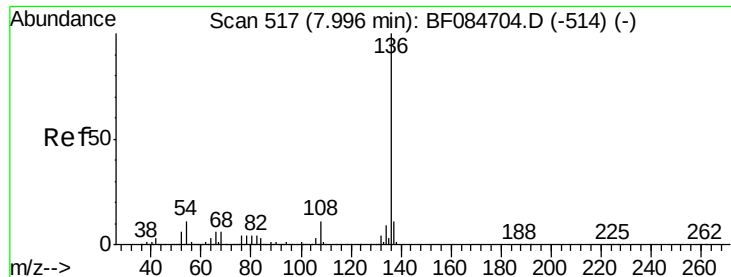
Tgt Ion	Ratio	Resp Lower	Upper
70	100		
42	55.4	33.3	49.9#
101	10.4	9.3	13.9
130	24.0	23.4	35.0



#20
3+4-Methylphenols
Concen: 48.65 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
108	89.7	74.6	114.6
77	39.3	0.7	40.7
79	28.7	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF085039.D

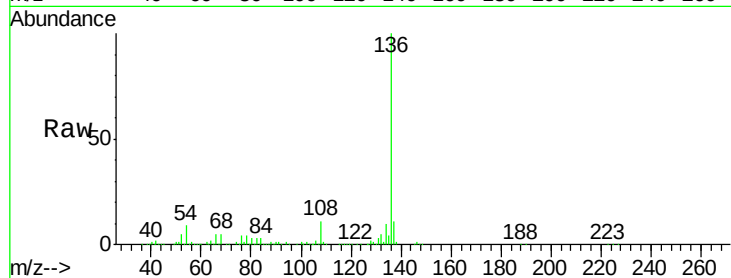
Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

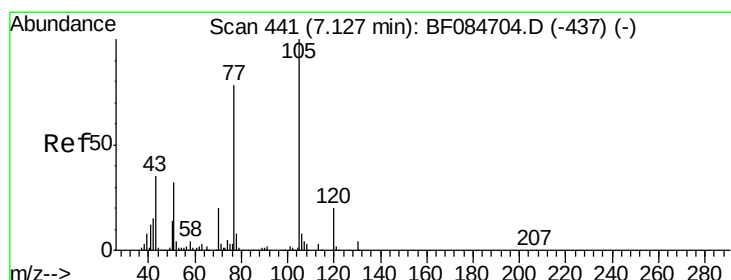
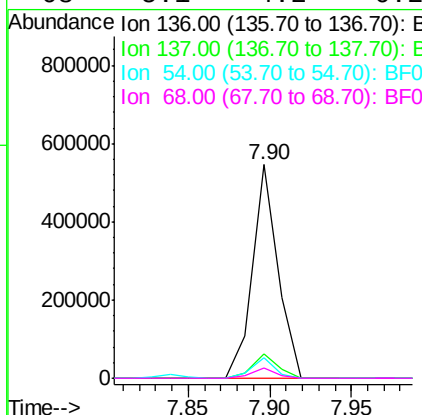
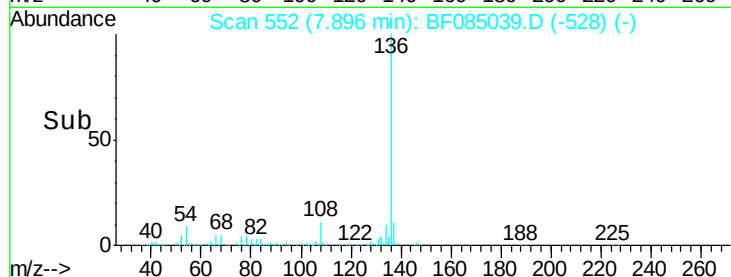
SUP-B004(16-18)MSD



Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.4	5.8	8.8#
68	5.1	4.2	6.2

Manual Integrations
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#22

Acetophenone

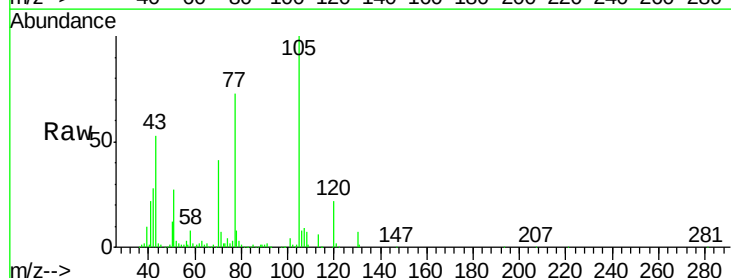
Concen: 46.41 ng

RT: 7.04 min Scan# 477

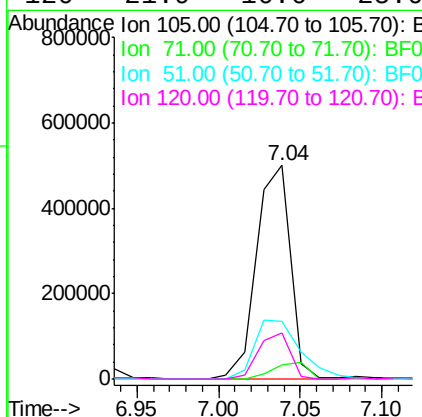
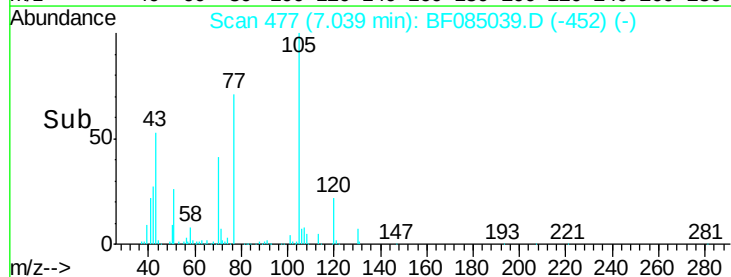
Delta R.T. -0.01 min

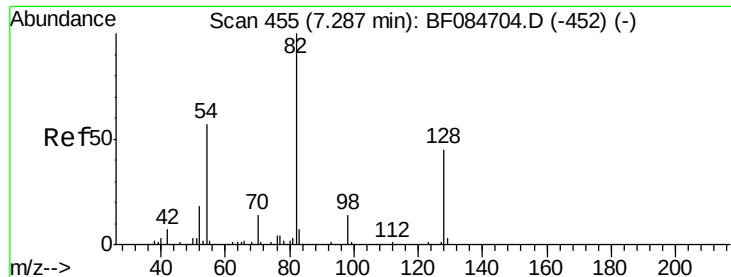
Lab File: BF085039.D

Acq: 12 Feb 2016 4:12



Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	6.8	3.7	5.5#
51	27.2	25.1	37.7
120	21.9	16.6	25.0





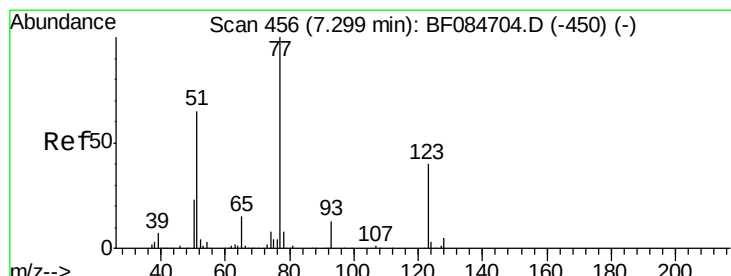
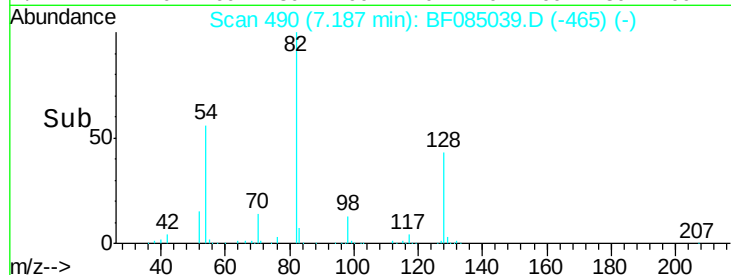
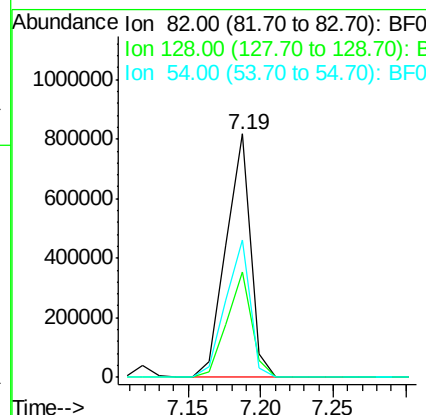
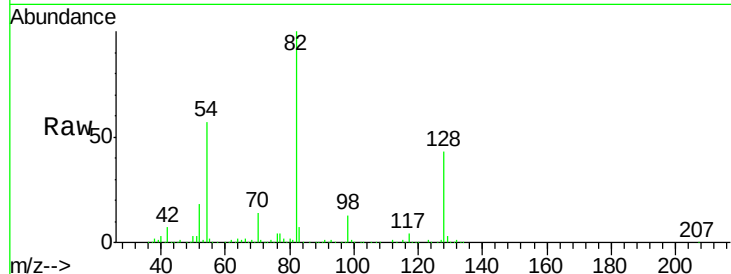
#23
 Nitrobenzene-d5
 Concen: 90.98 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	956946		
128	43.3	34.6	51.8	
54	56.7	38.4	57.6	

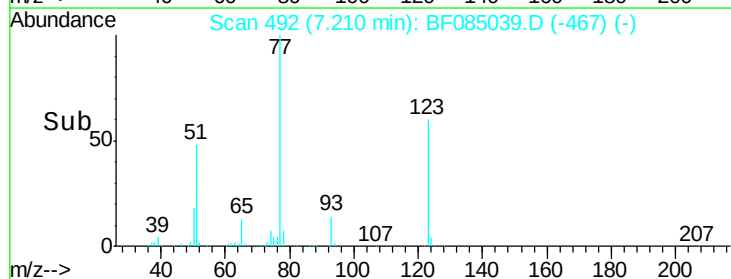
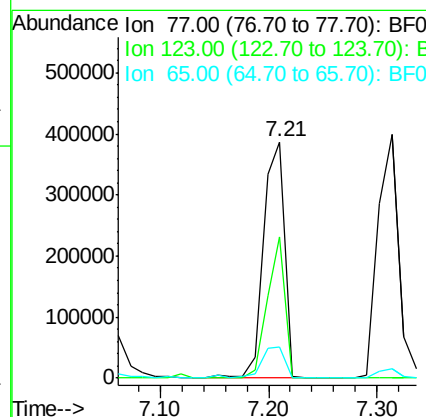
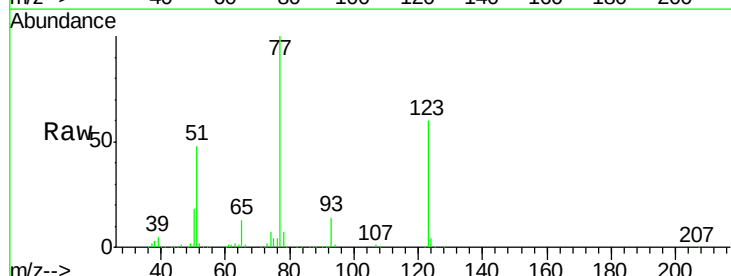
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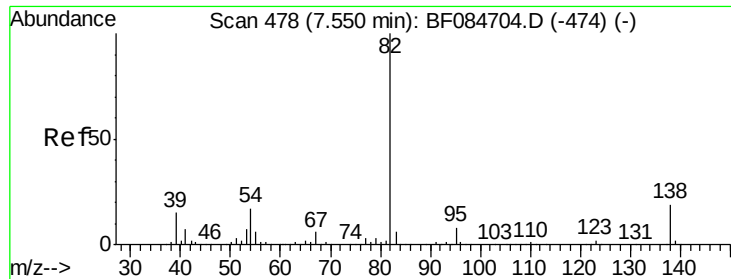
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#24
 Nitrobenzene
 Concen: 46.83 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	527470		
123	59.7	37.4	56.2#	
65	13.4	10.9	16.3	





#25

Isophorone

Concen: 46.54 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

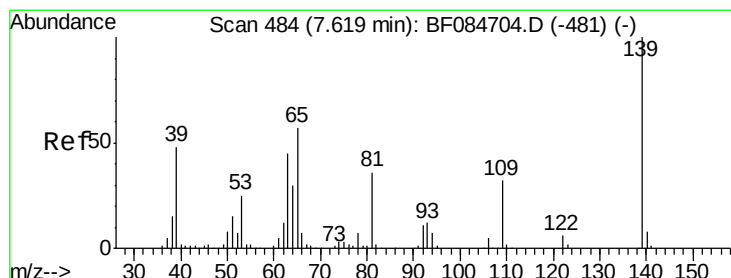
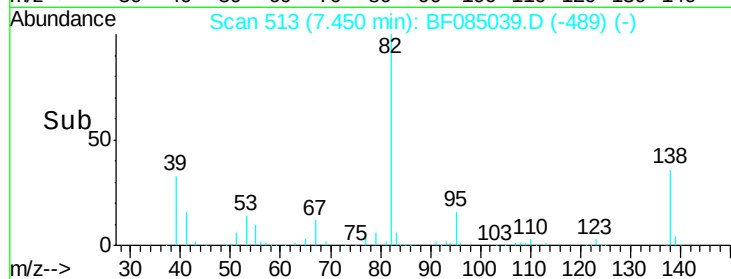
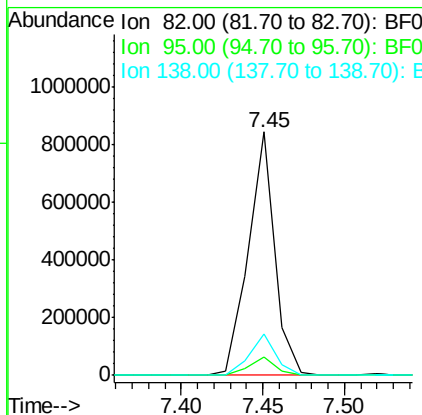
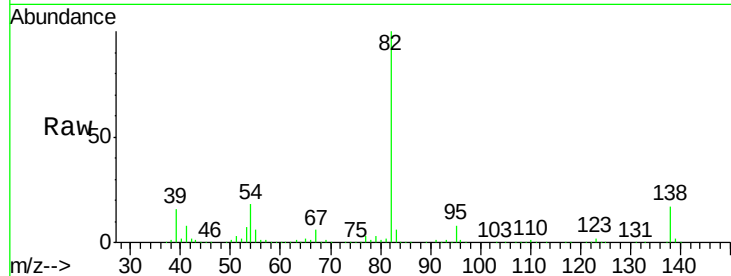
ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:	82	Resp:	951831
Ion Ratio		Lower	Upper
82	100		
95	7.5	6.6	10.0
138	17.2	13.6	20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 44.75 ng

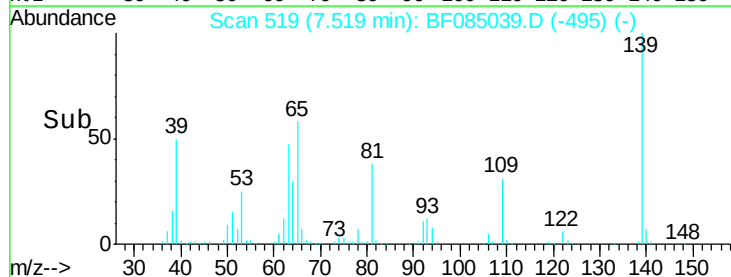
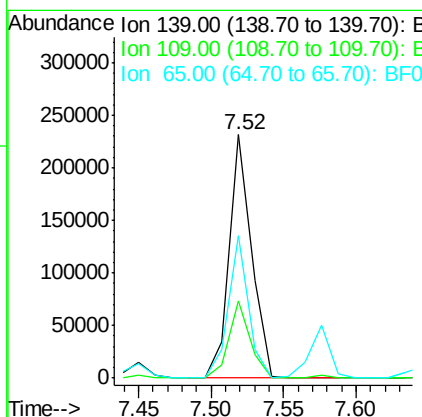
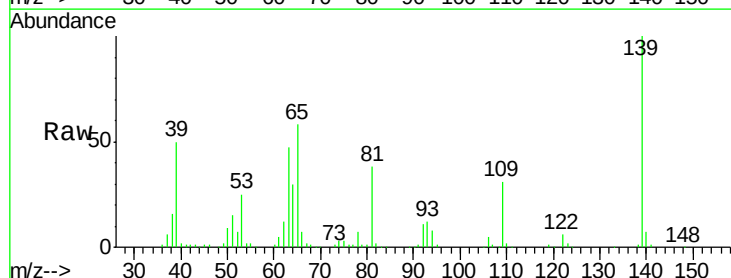
RT: 7.52 min Scan# 519

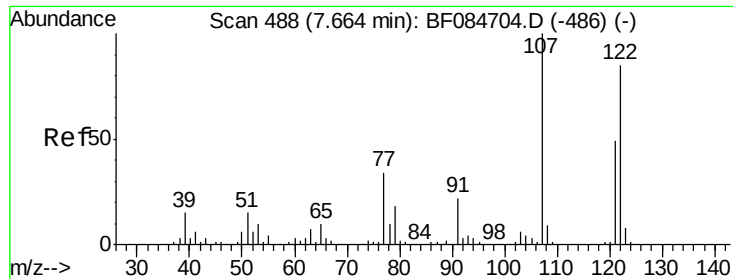
Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	139	Resp:	248590
Ion Ratio		Lower	Upper
139	100		
109	31.5	25.4	38.2
65	58.3	32.3	48.5





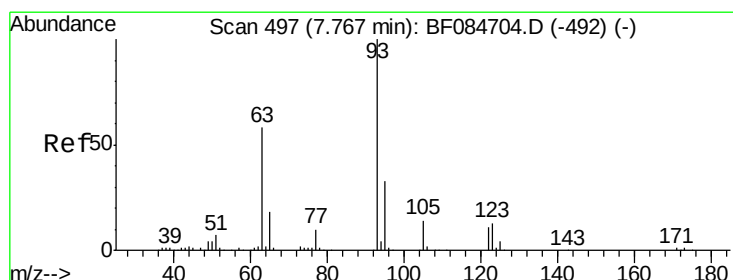
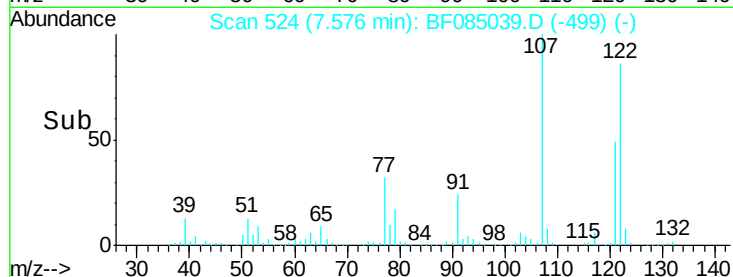
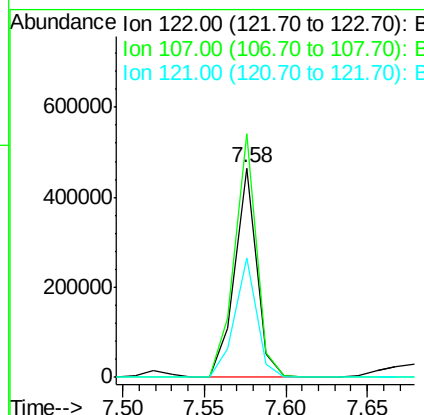
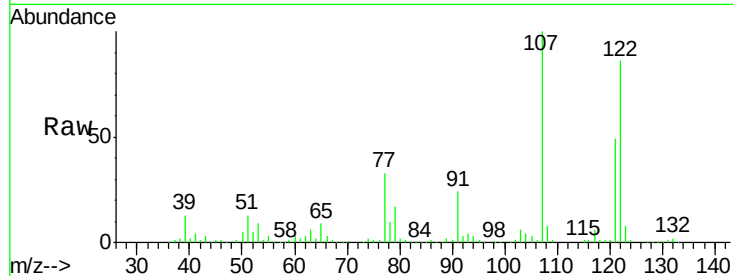
#27
2,4-Dimethylphenol
Concen: 45.24 ng
RT: 7.58 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	437177		
107	116.2	99.1	148.7	
121	56.8	47.9	71.9	

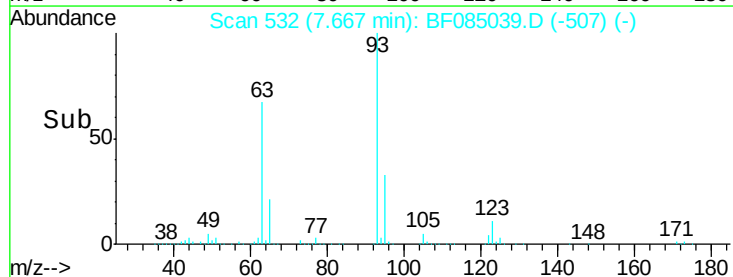
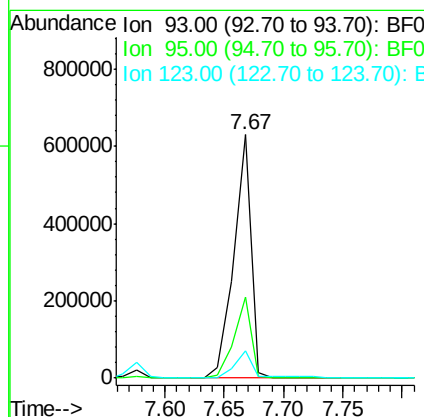
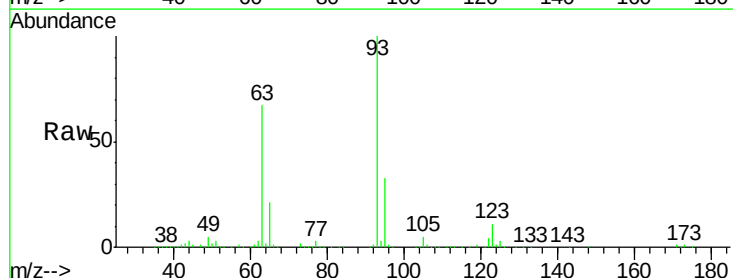
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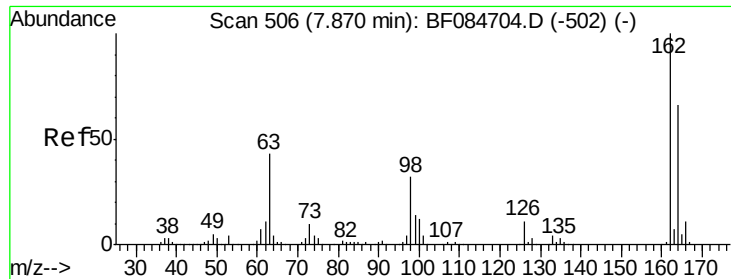
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 52.12 ng
RT: 7.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	632392		
95	33.3	25.8	38.6	
123	11.4	8.6	12.8	





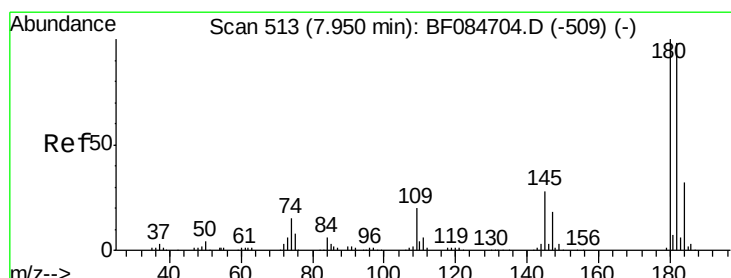
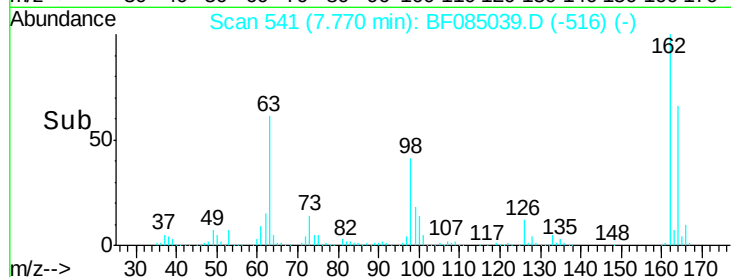
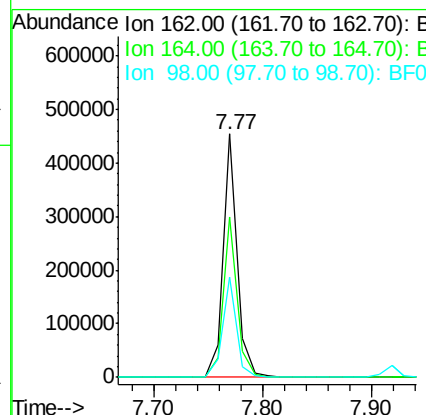
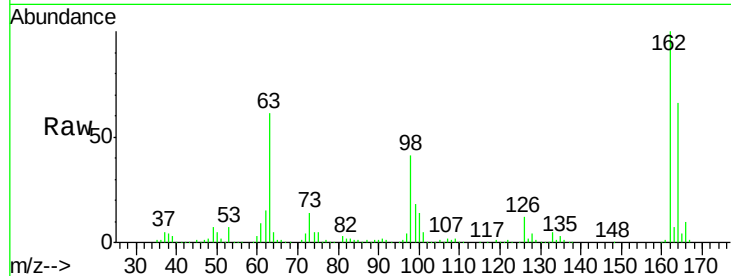
#29
 2,4-Dichlorophenol
 Concen: 49.64 ng
 RT: 7.77 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	410399		
164	65.6	44.1	84.1	
98	41.4	20.2	60.2	

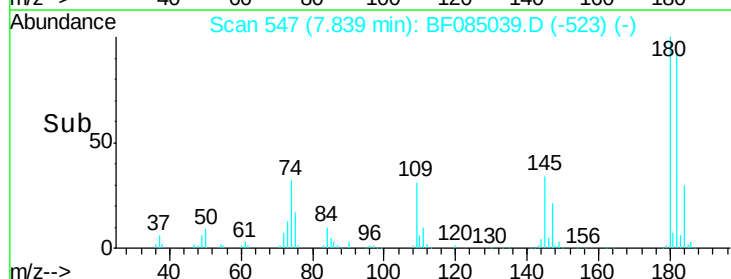
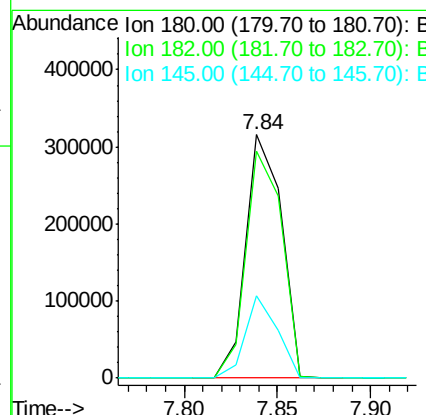
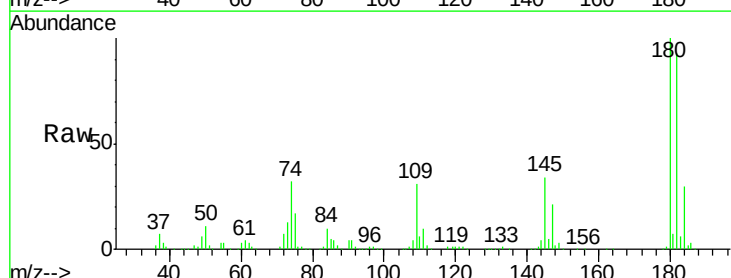
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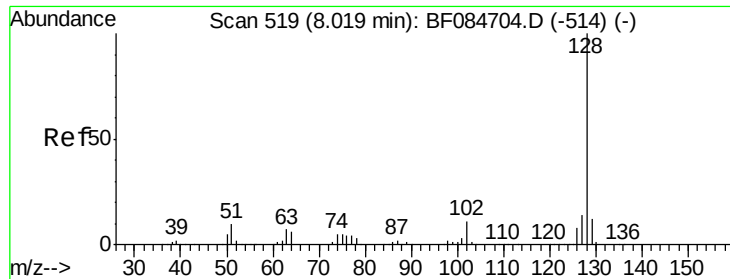
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#30
 1,2,4-Trichlorobenzene
 Concen: 44.94 ng
 RT: 7.84 min Scan# 547
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	419636		
182	93.4	76.4	114.6	
145	33.8	31.6	47.4	





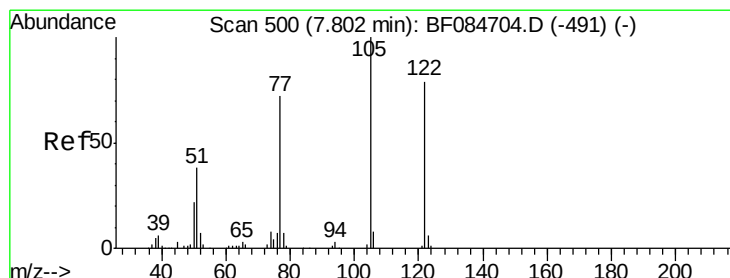
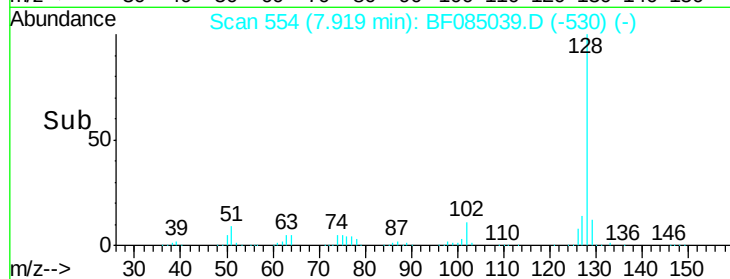
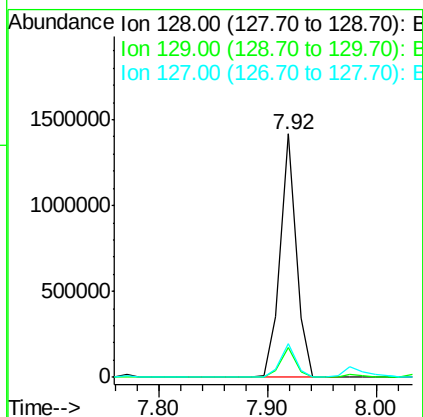
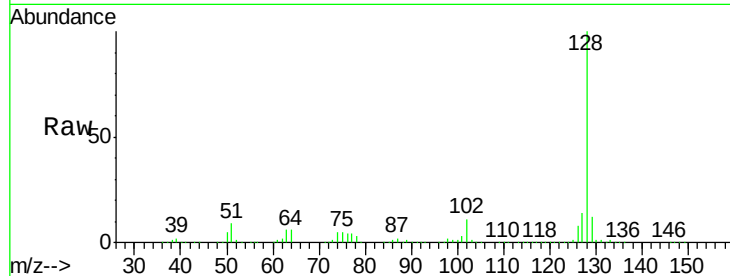
#31
Naphthalene
Concen: 49.28 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion:128 Resp: 1464703
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 14.0 11.1 16.7

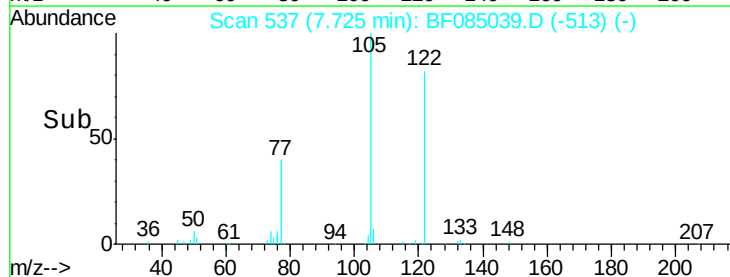
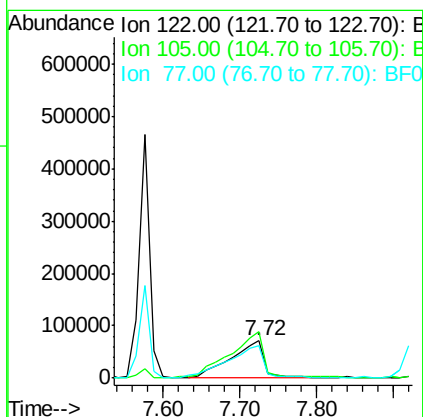
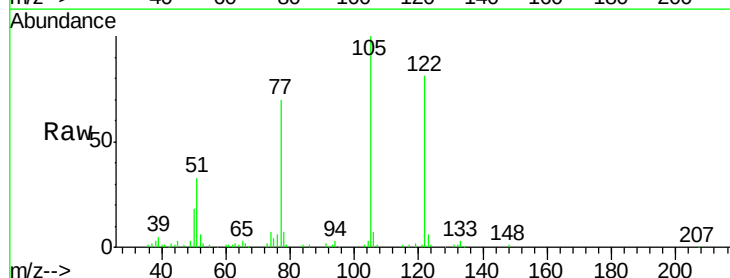
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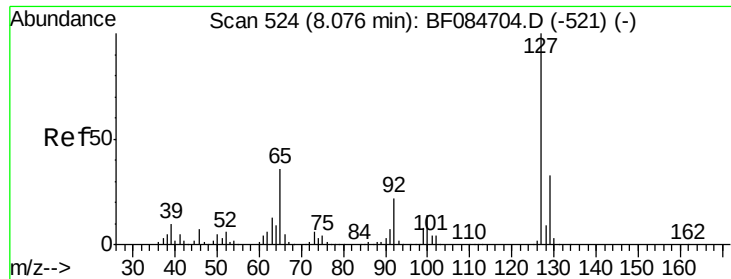
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#32
Benzoic acid
Concen: 34.98 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:122 Resp: 216157
Ion Ratio Lower Upper
122 100
105 124.1 100.3 140.3
77 87.2 63.5 103.5





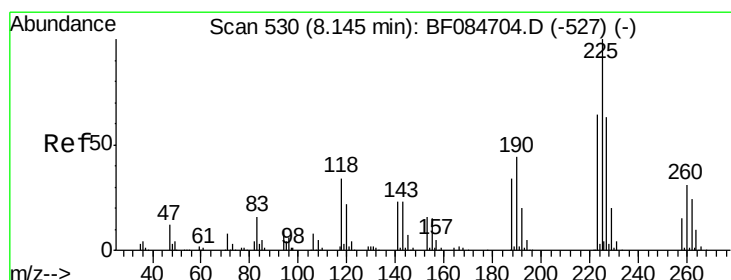
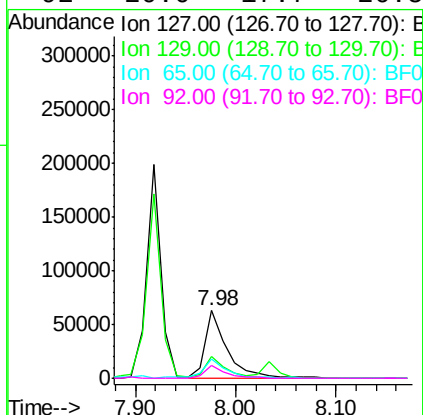
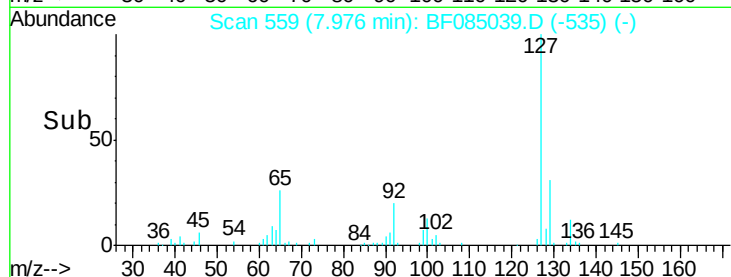
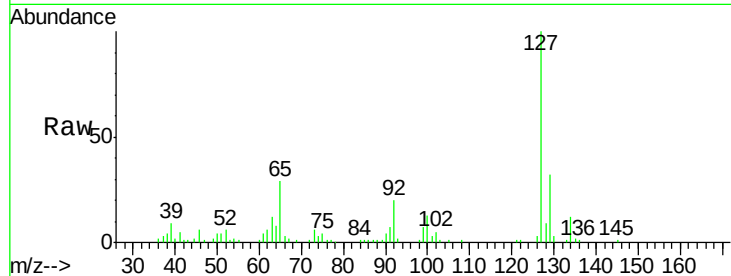
#33
4-Chloroaniline
Concen: 7.61 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp Lower	Upper
127	100		
129	32.4	26.5	39.7
65	29.1	27.2	40.8
92	20.0	17.7	26.5

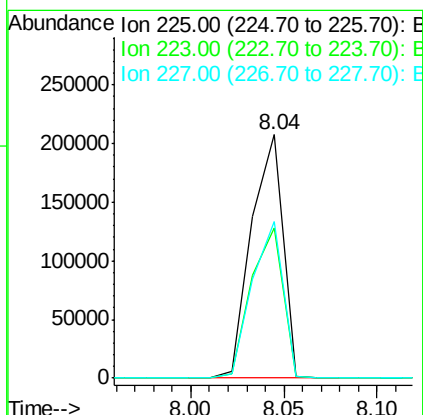
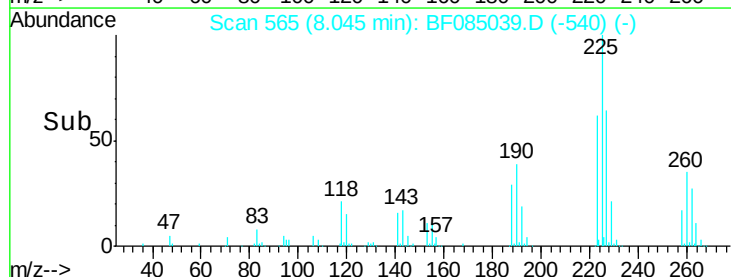
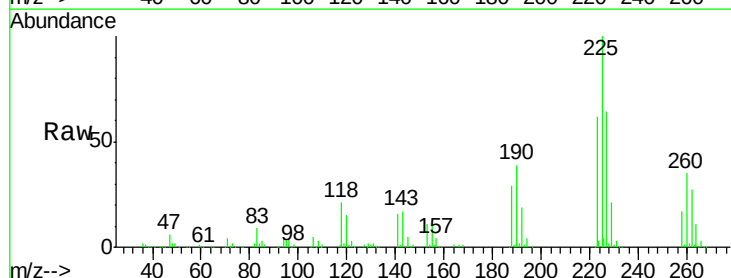
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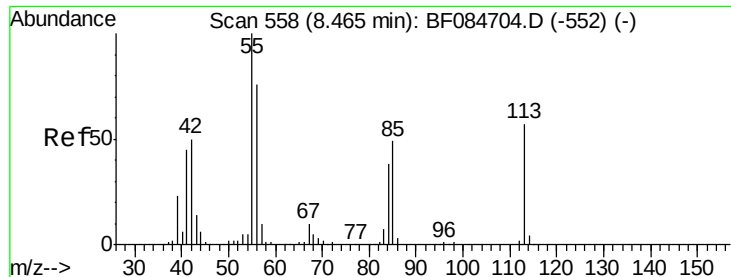
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#34
Hexachlorobutadiene
Concen: 44.89 ng
RT: 8.04 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	61.5	49.4	74.0
227	64.1	50.8	76.2





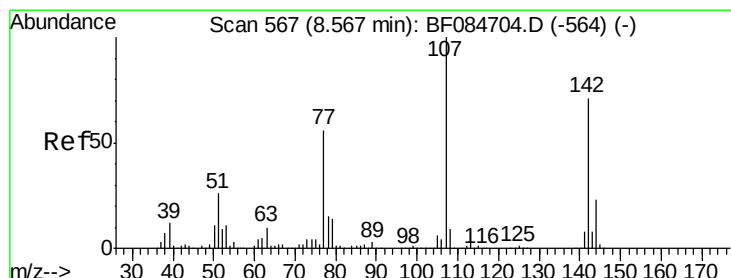
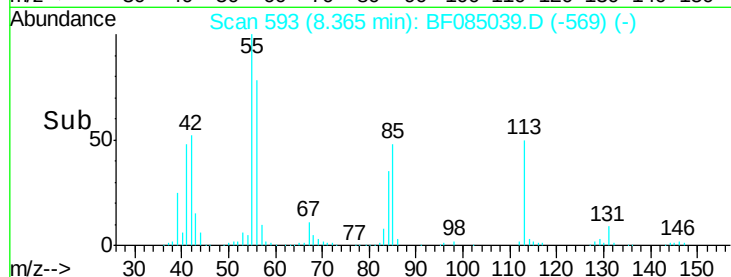
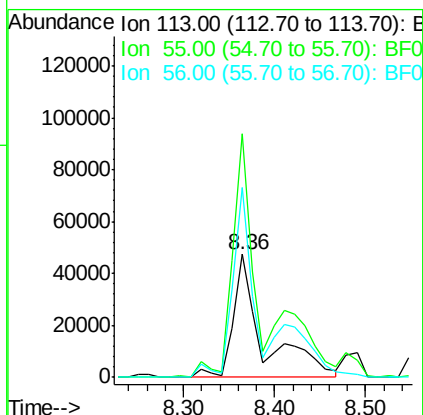
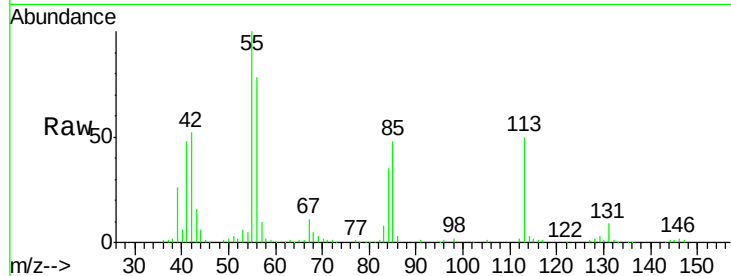
#35
 Caprolactam
 Concen: 43.08 ng m
 RT: 8.36 min Scan# 593
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	198.1	116.9	156.9#	
56	154.7	93.8	133.8#	

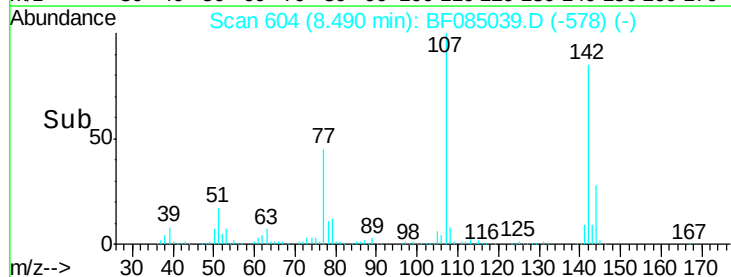
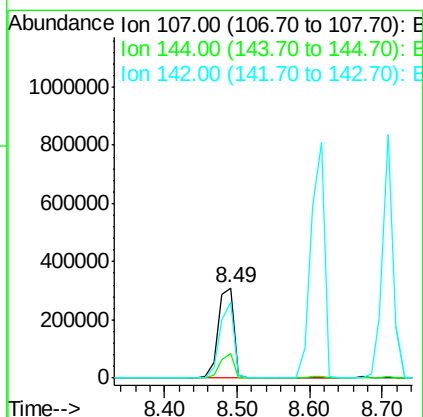
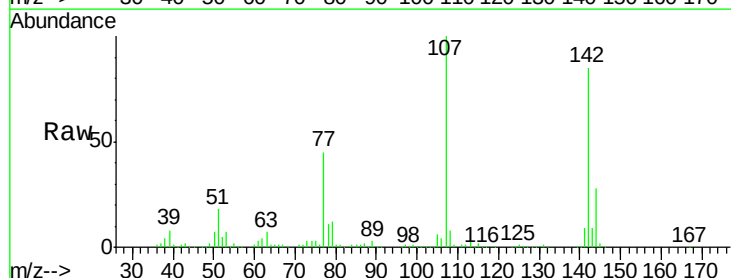
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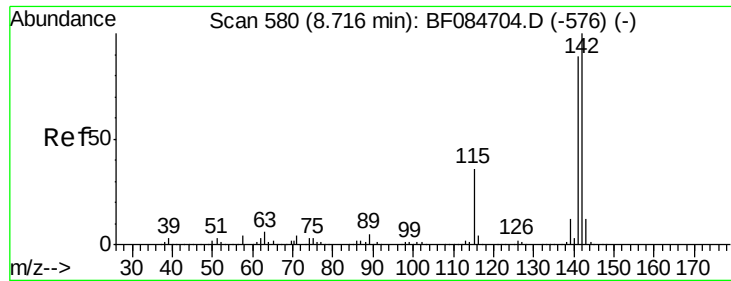
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 49.20 ng
 RT: 8.49 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	27.7	19.7	29.5	
142	84.8	61.8	92.6	





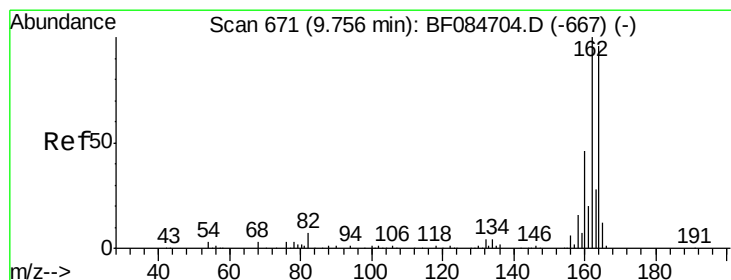
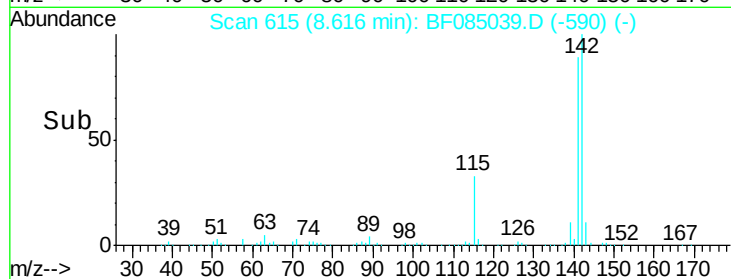
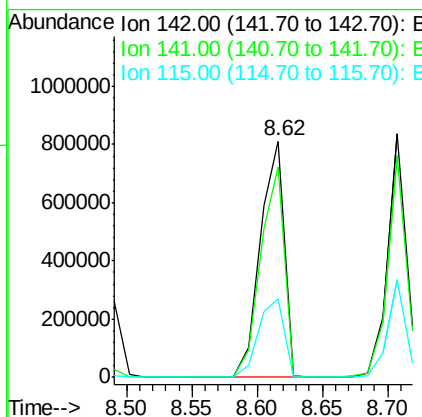
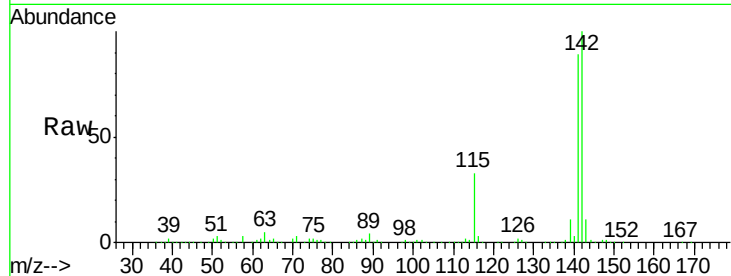
#37
2-Methylnaphthalene
Concen: 55.76 ng
RT: 8.62 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion:142 Resp: 1037248
Ion Ratio Lower Upper
142 100
141 88.8 72.4 108.6
115 33.2 27.9 41.9

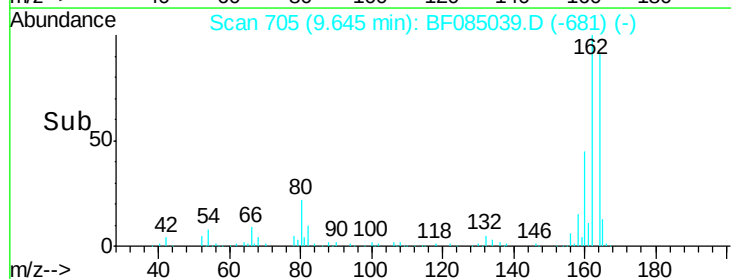
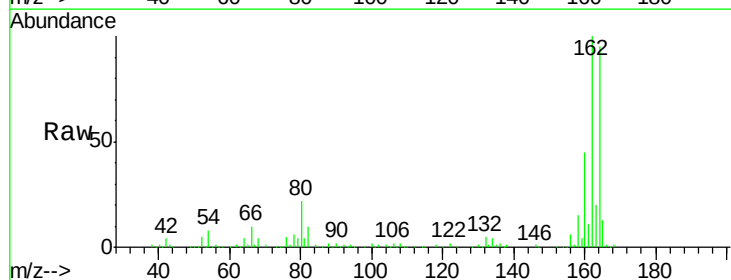
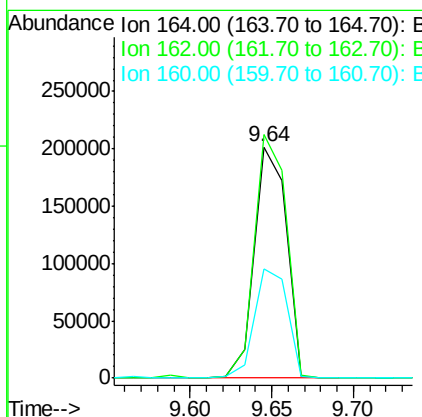
Manual Integrations
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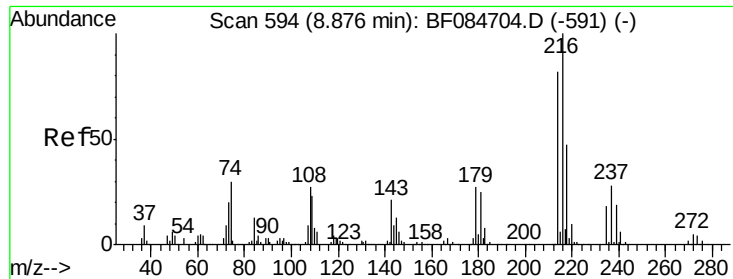
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:164 Resp: 275235
Ion Ratio Lower Upper
164 100
162 105.5 85.1 127.7
160 47.3 37.5 56.3





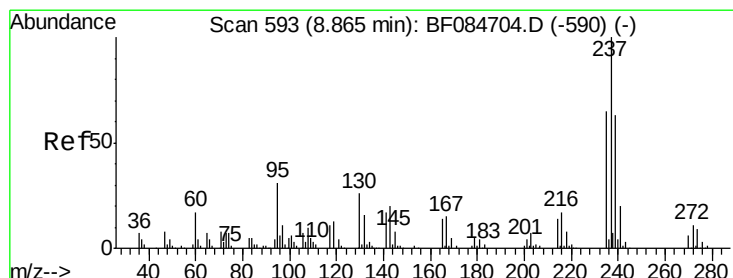
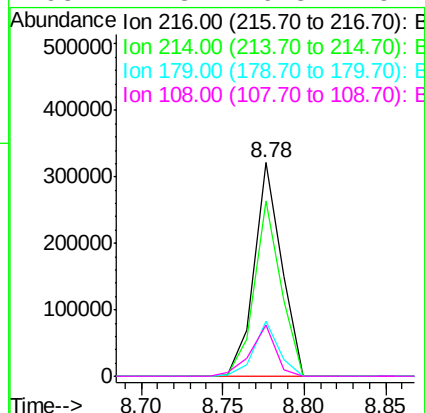
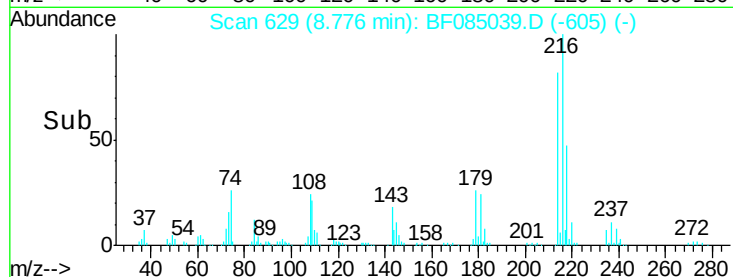
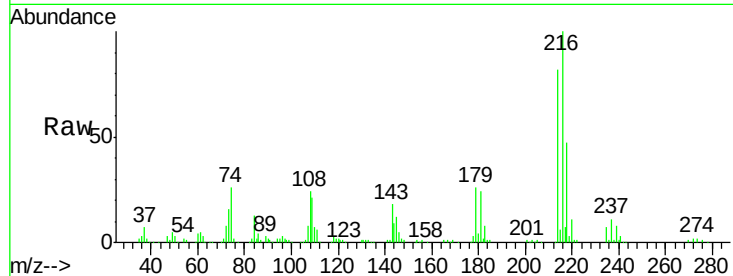
#39
1,2,4,5-Tetrachlorobenzene
Concen: 42.83 ng
RT: 8.78 min Scan# 629
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
216	100		374374		
214	79.9	64.2	96.2		
179	23.2	18.7	28.1		
108	22.3	16.8	25.2		

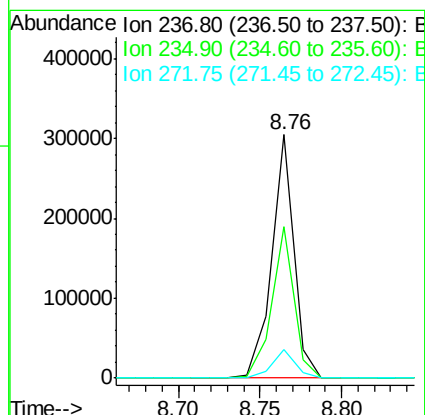
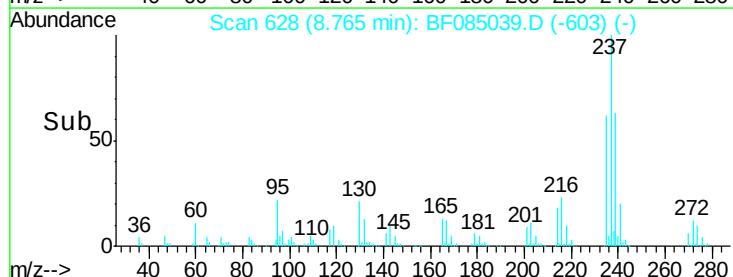
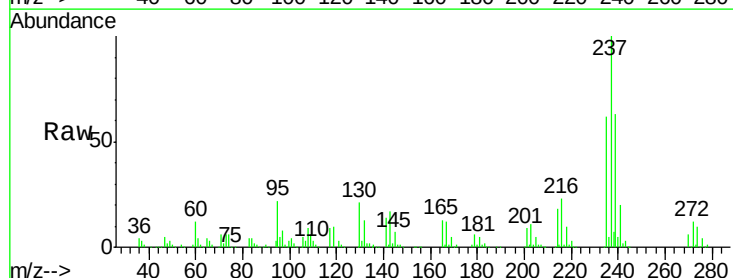
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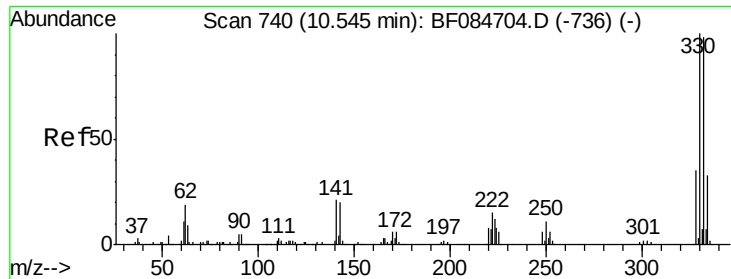
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#40
Hexachlorocyclopentadiene
Concen: 76.37 ng
RT: 8.76 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		289214		
235	62.3	43.1	83.1		
272	11.7	0.0	35.1		





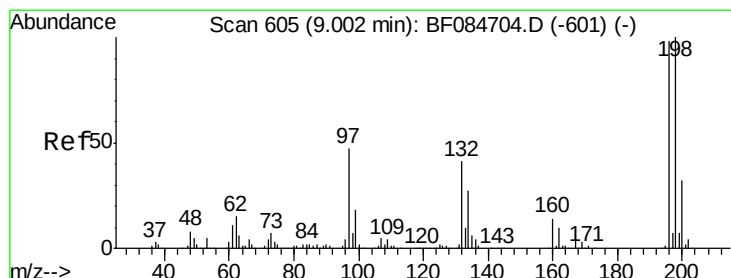
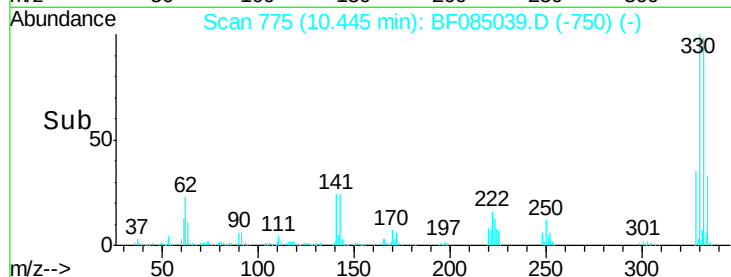
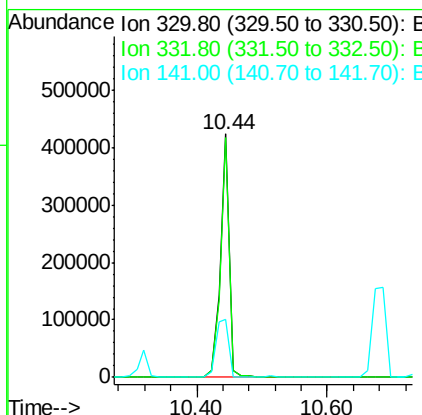
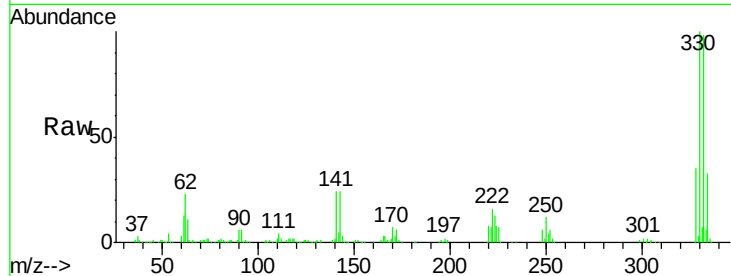
#41
 2,4,6-Tribromophenol
 Concen: 145.06 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	416468		
332	97.5	76.6	114.8	
141	34.8	27.8	41.6	

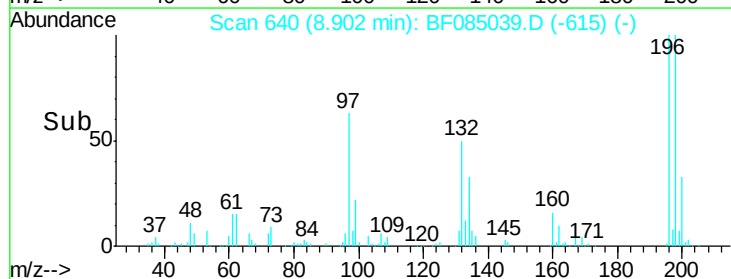
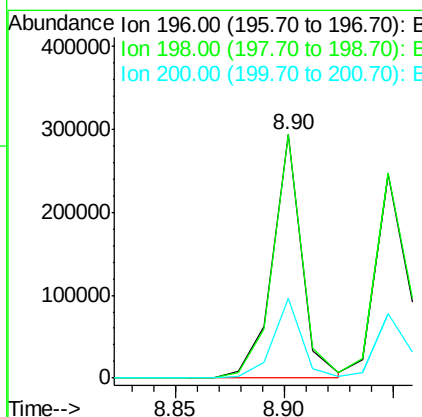
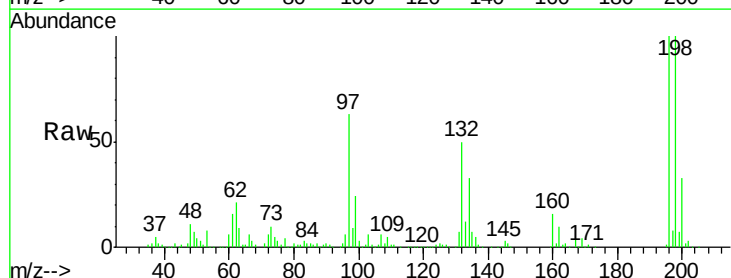
Manual Integrations
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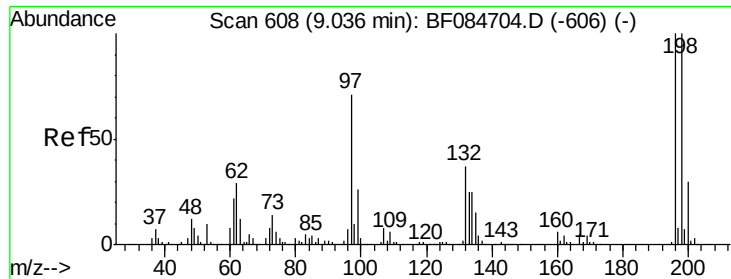
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#42
 2,4,6-Trichlorophenol
 Concen: 49.29 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

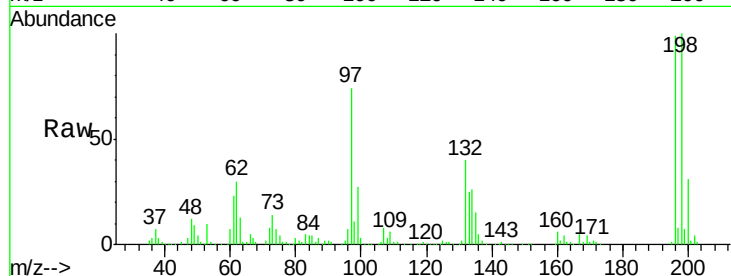
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	277592		
198	100.1	77.7	116.5	
200	32.8	24.6	37.0	





#43
 2,4,5-Trichlorophenol
 Concen: 44.40 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

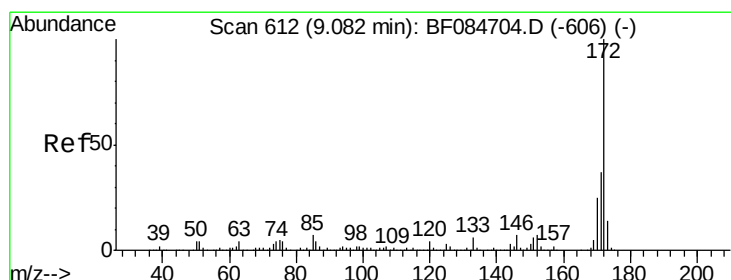
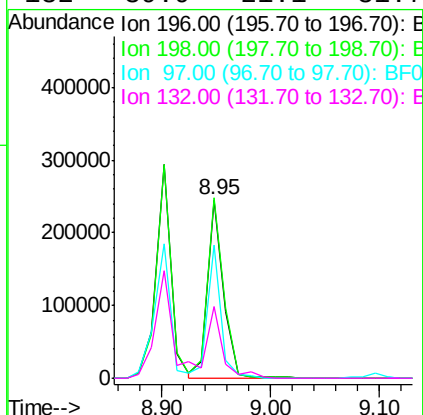
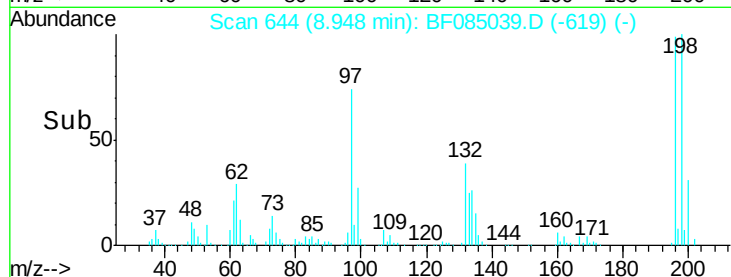
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	254050		
198	101.0	79.0	118.6	
97	75.0	33.0	49.6	
132	39.9	21.1	31.7	

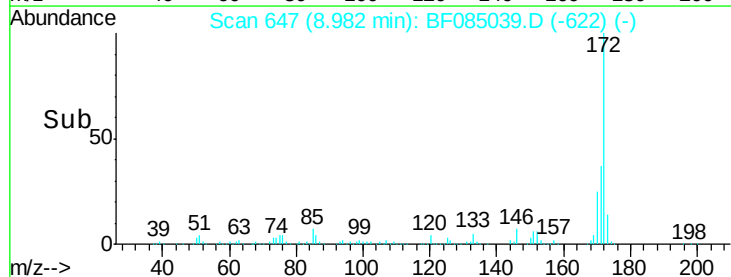
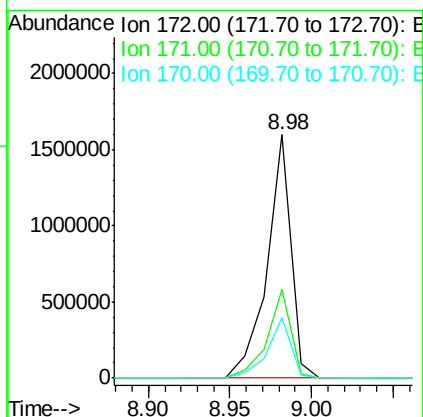
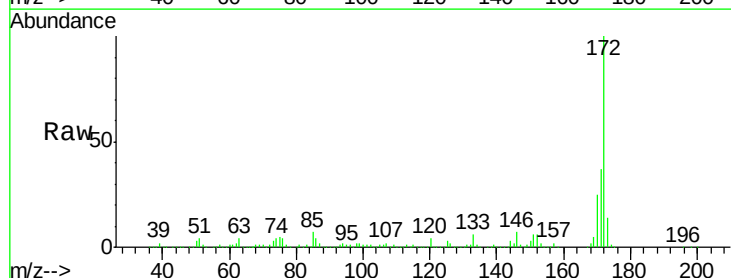
Manual Integrations
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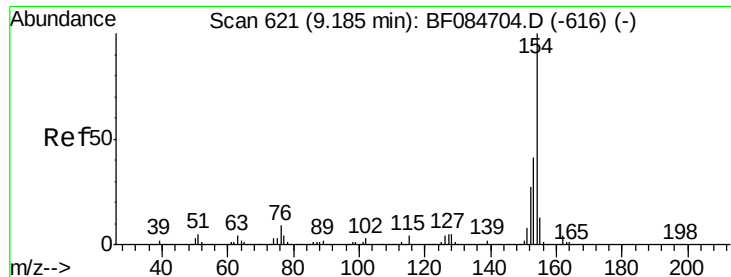
Sohil
 2/12/2016 12:27:47 PM



#44
 2-Fluorobiphenyl
 Concen: 110.83 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1627446		
171	36.6	28.9	43.3	
170	24.9	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 47.23 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:154 Resp: 1161021

Ion Ratio Lower Upper

154 100

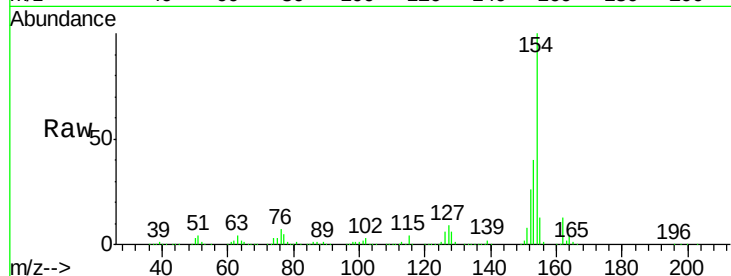
153 40.1 21.6 61.6

76 7.1 0.0 32.7

Manual Integrations
APPROVED

Sohil

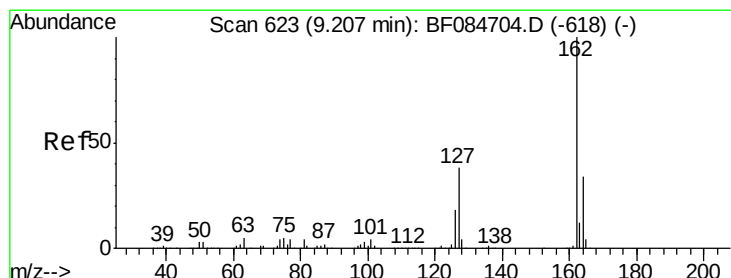
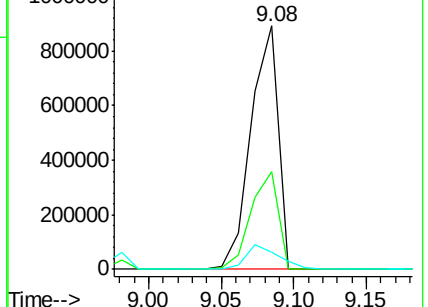
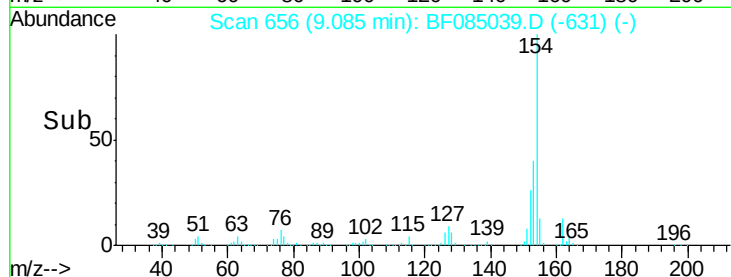
2/12/2016 12:27:47 PM



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: 44.45 ng

RT: 9.10 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

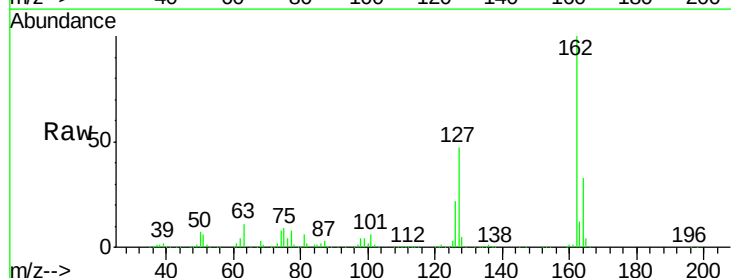
Tgt Ion:162 Resp: 804789

Ion Ratio Lower Upper

162 100

127 46.8 40.2 60.4

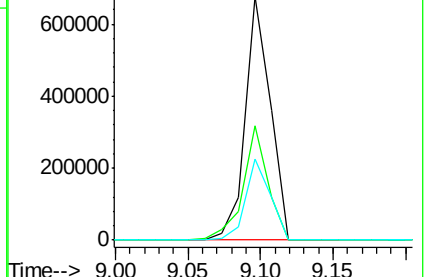
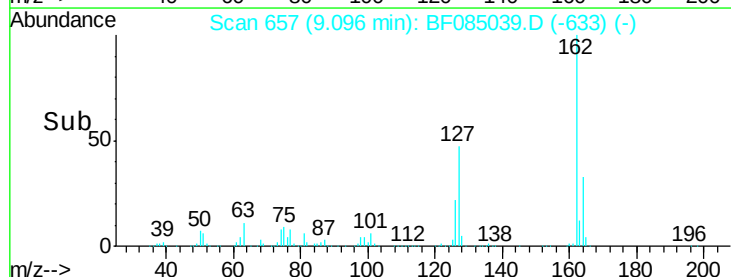
164 33.1 25.7 38.5

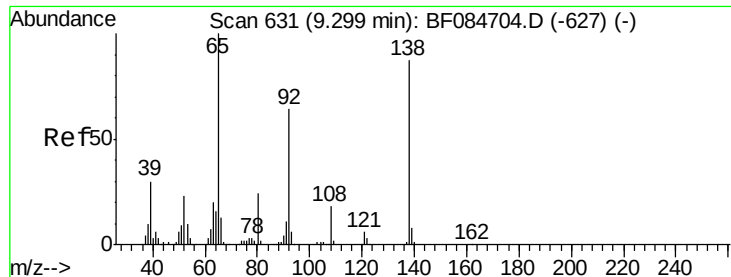


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





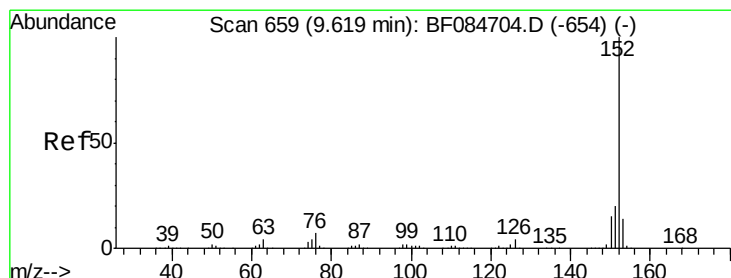
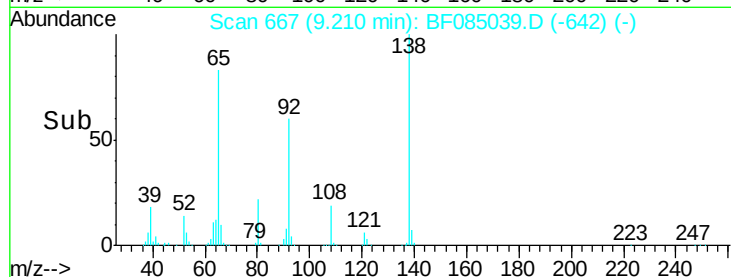
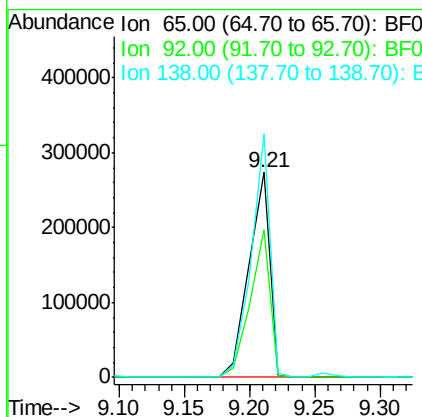
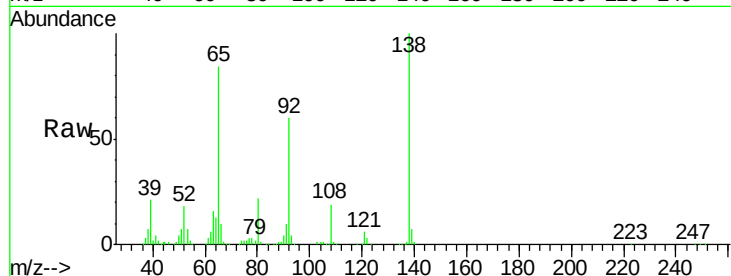
#47
 2-Nitroaniline
 Concen: 53.48 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.9	53.4	80.2
138	118.9	71.1	106.7

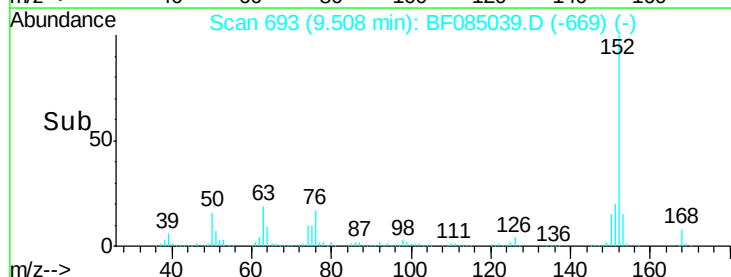
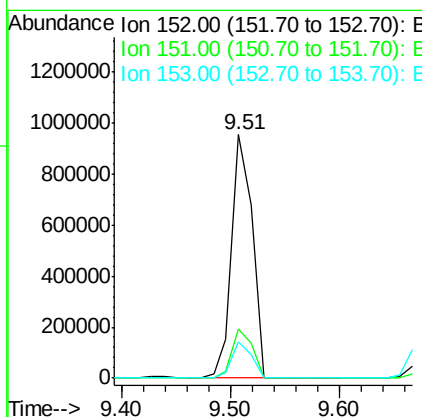
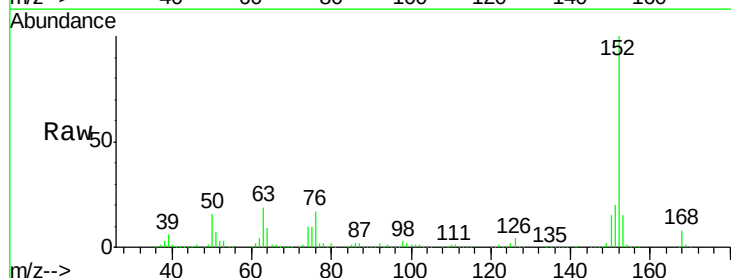
Manual Integrations
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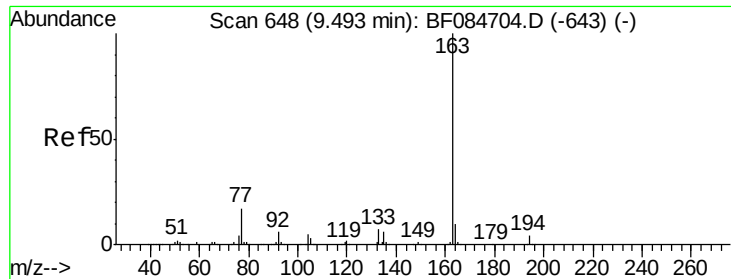
Sohil
 2/12/2016 12:27:47 PM



#48
 Acenaphthylene
 Concen: 45.23 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.9	10.4	15.6





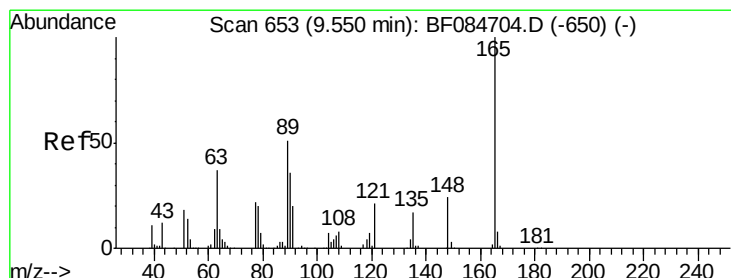
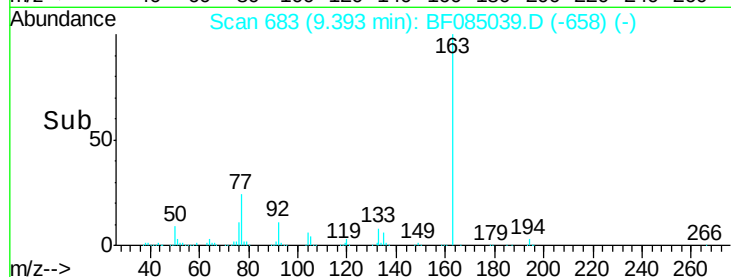
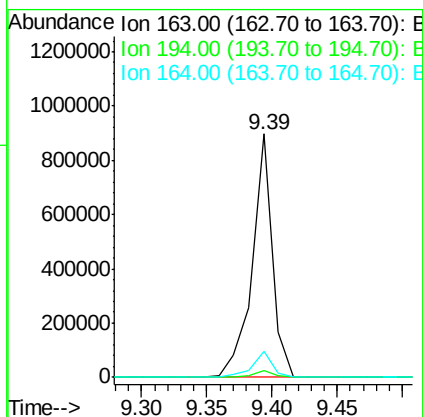
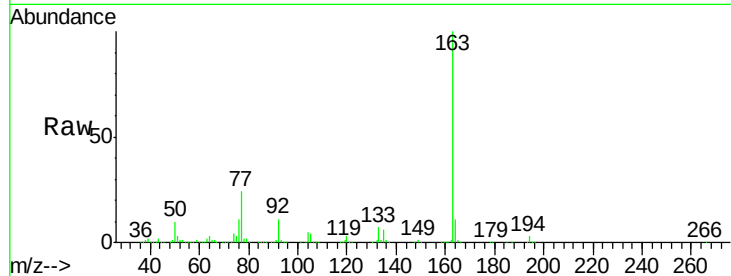
#49
Dimethylphthalate
Concen: 46.28 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	8.0	12.0#
164	10.6	8.0	12.0

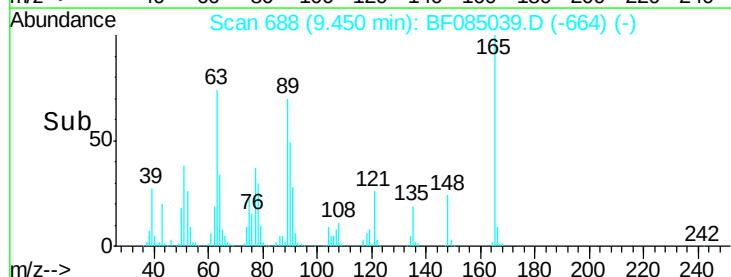
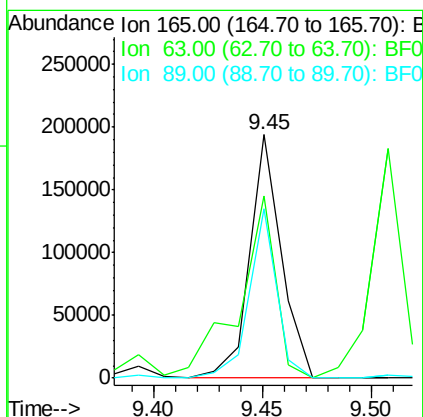
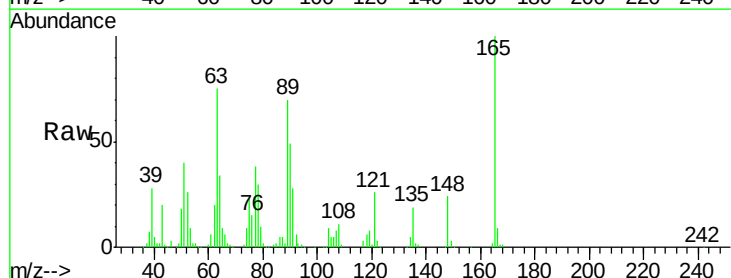
Manual Integrations
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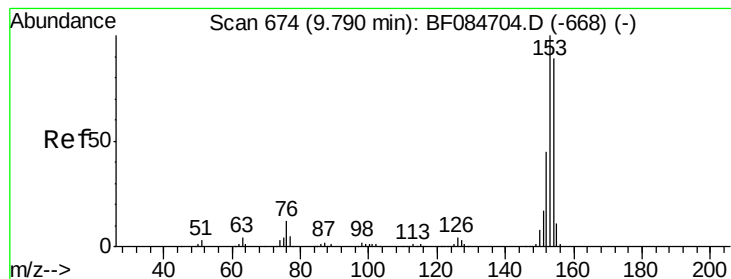
Sohil
2/12/2016 12:27:47 PM



#50
2,6-Dinitrotoluene
Concen: 42.71 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	74.7	28.8	43.2#
89	69.7	35.1	52.7#





#51

Acenaphthene

Concen: 44.92 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

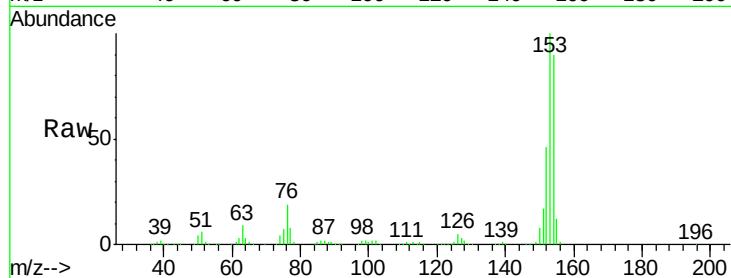
ClientSampleId :

SUP-B004(16-18)MSD

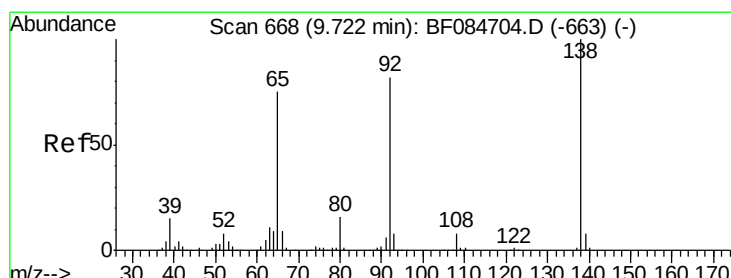
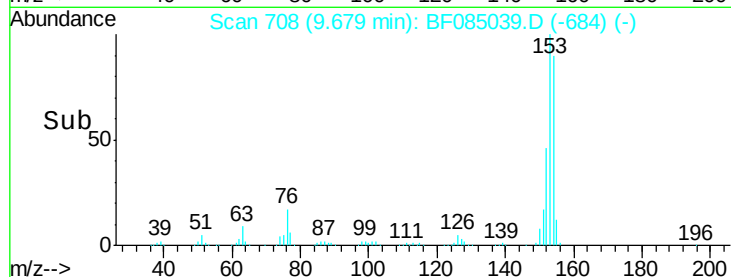
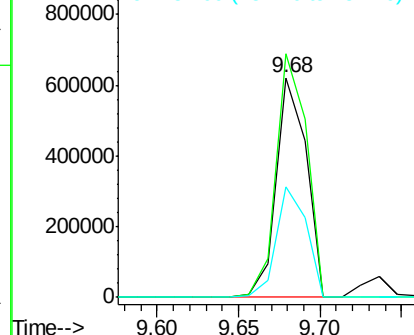
Tgt Ion:	154	Resp:	802936
Ion Ratio	Lower	Upper	
154	100		
153	110.8	91.5	137.3
152	50.5	43.0	64.6

Manual Integrations
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2/12/2016 12:27:47 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 14.07 ng

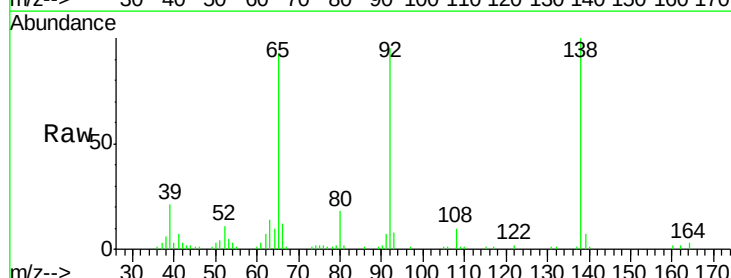
RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

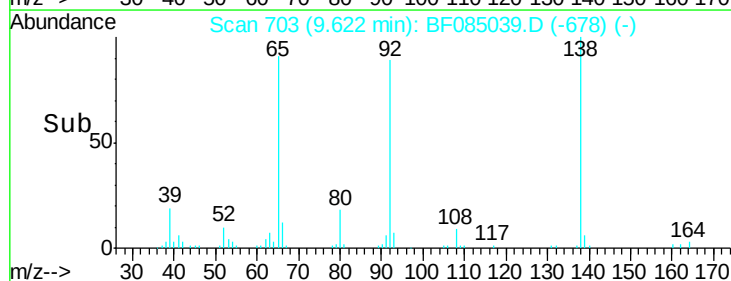
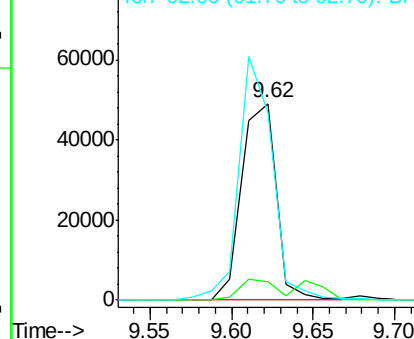
Lab File: BF085039.D

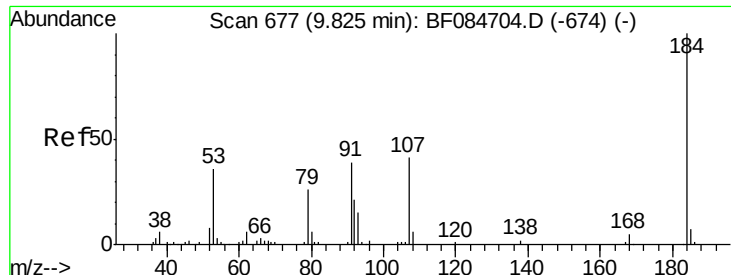
Acq: 12 Feb 2016 4:12

Tgt Ion:	138	Resp:	72390
Ion Ratio	Lower	Upper	
138	100		
108	9.6	10.5	15.7#
92	95.2	103.9	155.9#



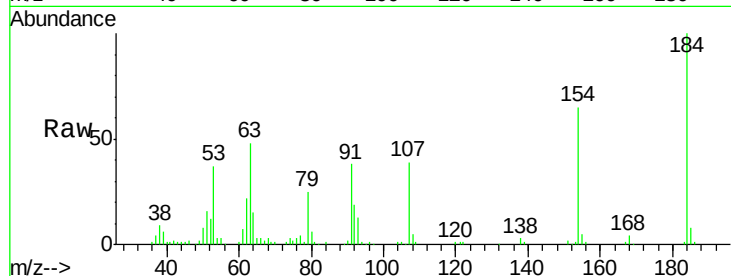
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





#53
2,4-Dinitrophenol
Concen: 52.76 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

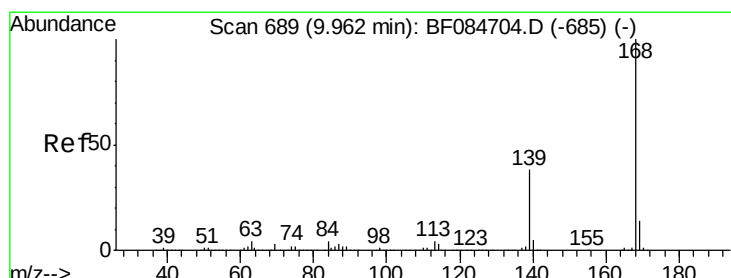
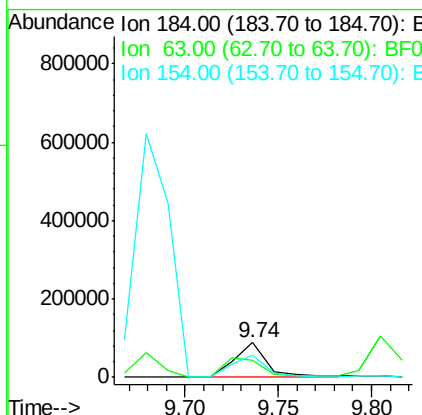
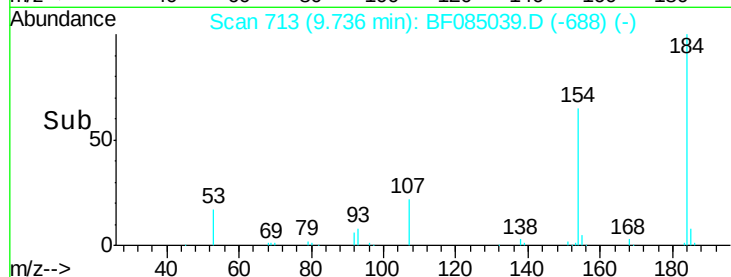
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
184	100	107012		
63	48.0	43.1	64.7	
154	64.5	60.5	90.7	

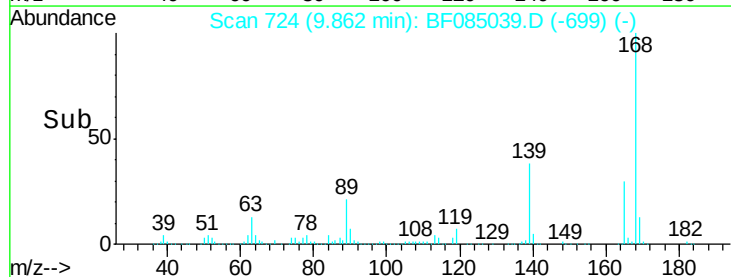
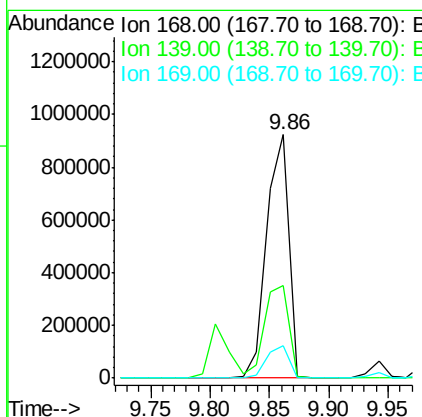
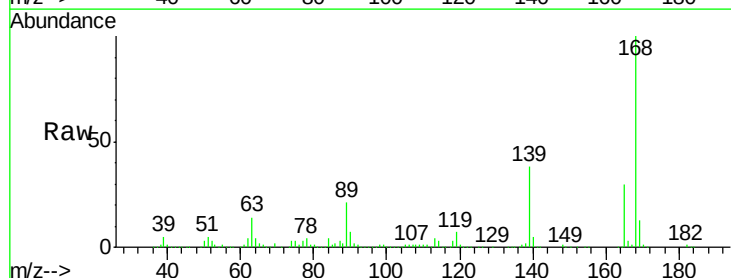
Manual Integrations
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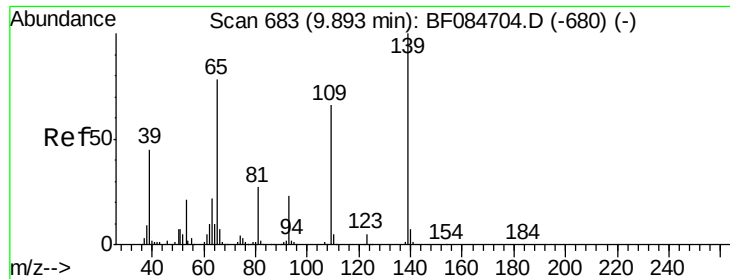
Sohil
2/12/2016 12:27:47 PM



#54
Dibenzofuran
Concen: 55.10 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1203623		
139	37.8	30.5	45.7	
169	13.3	10.4	15.6	





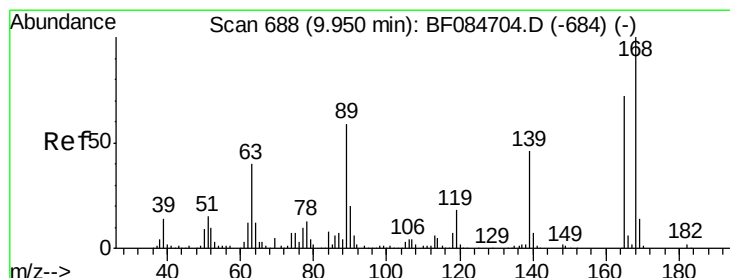
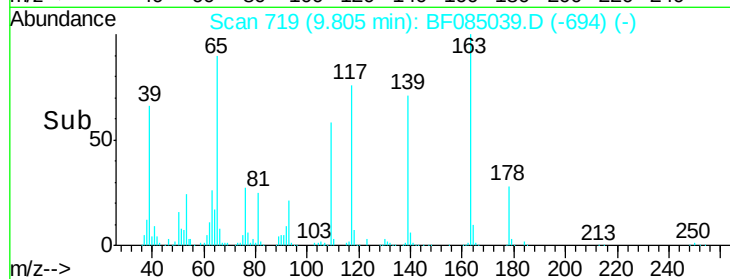
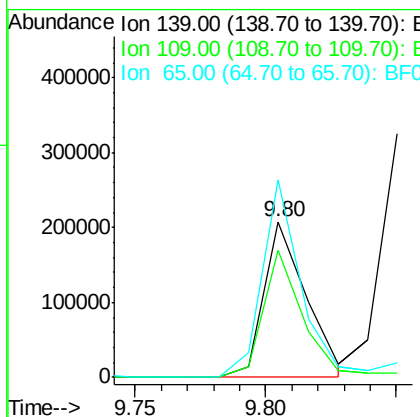
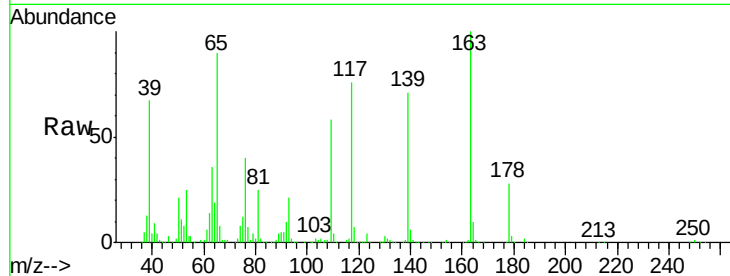
#55
4-Nitrophenol
Concen: 61.86 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	233970		
109	81.9	58.5	98.5	
65	127.3	57.6	97.6	

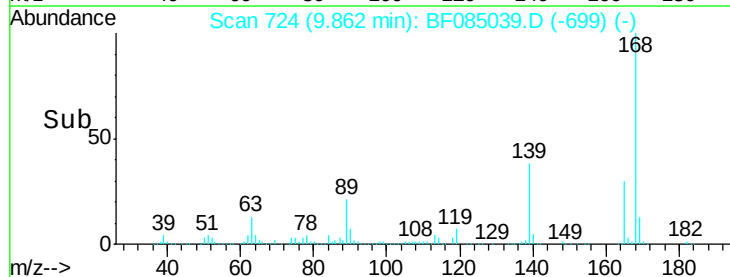
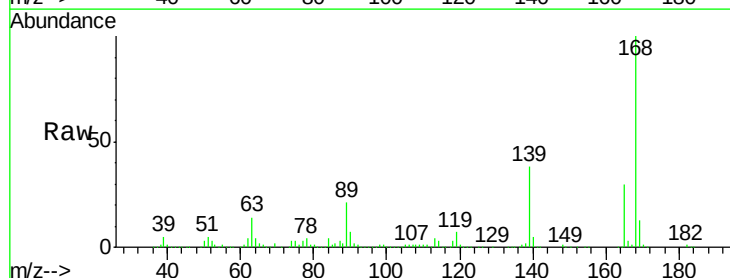
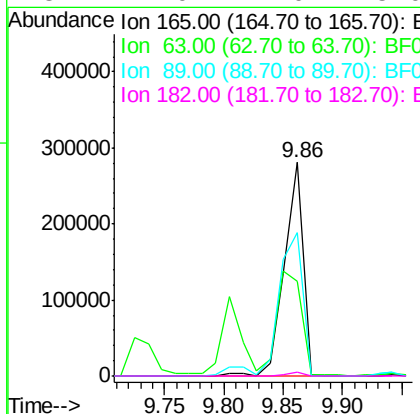
Manual Integrations
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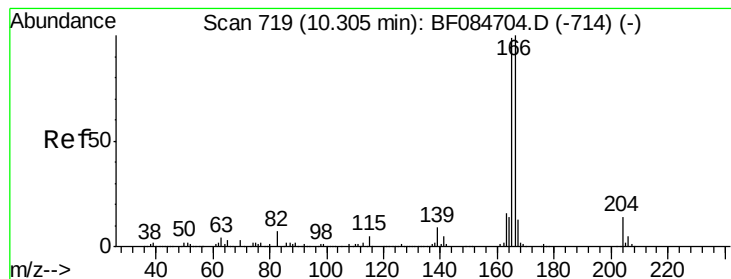
Sohil
2/12/2016 12:27:47 PM



#56
2,4-Dinitrotoluene
Concen: 52.02 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	303839		
63	44.5	36.7	55.1	
89	67.4	61.9	92.9	
182	2.0	2.0	3.0	





#57

Fluorene

Concen: 48.36 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF085039.D

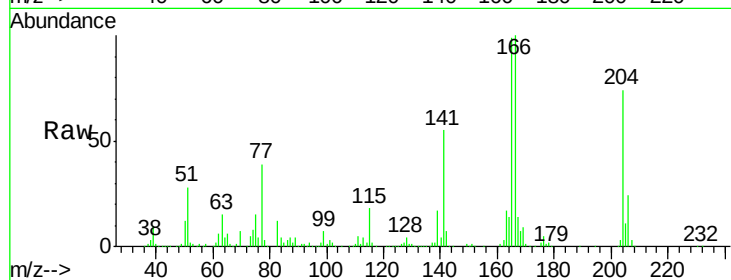
Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD



Tgt Ion:166 Resp: 882257

Ion Ratio Lower Upper

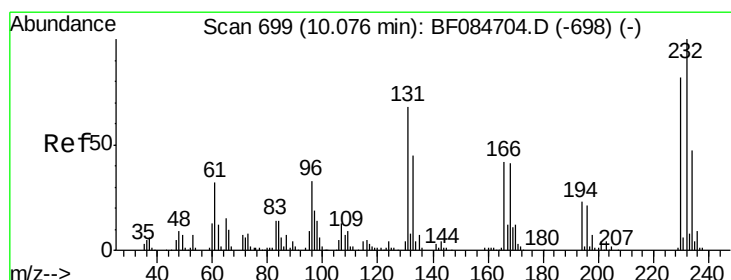
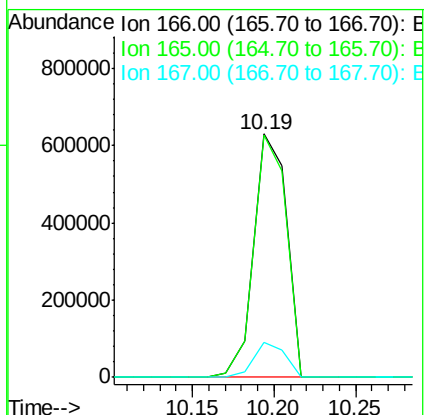
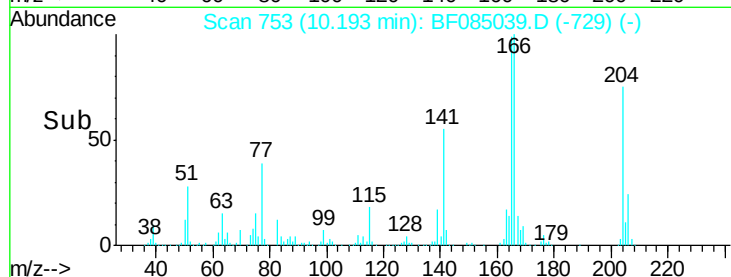
166 100

165 99.4 79.1 118.7

167 14.4 10.4 15.6

Manual Integrations
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2/12/2016 12:27:47 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.20 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:232 Resp: 240424

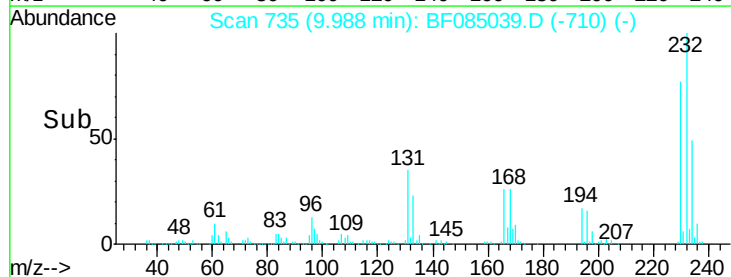
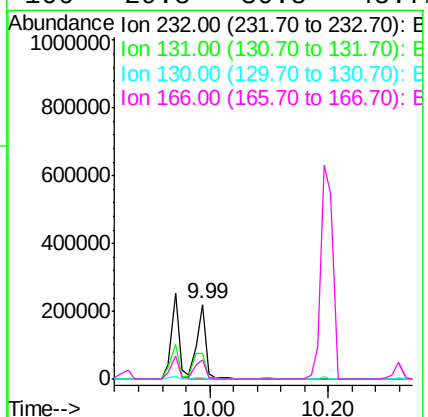
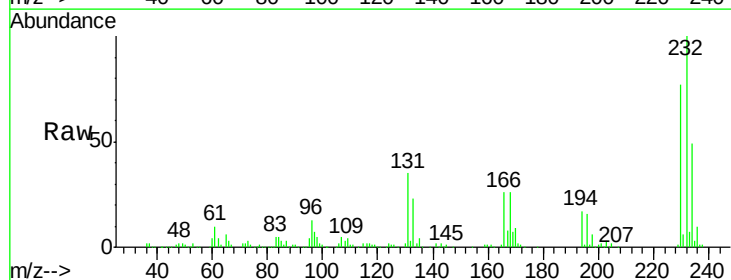
Ion Ratio Lower Upper

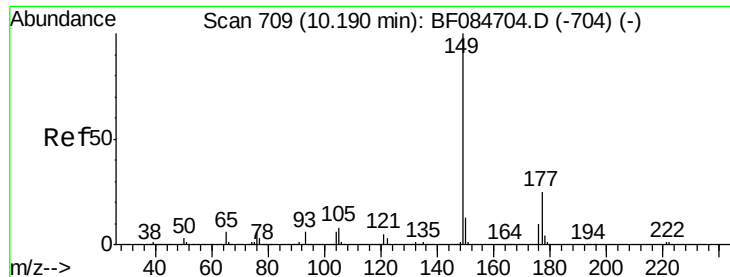
232 100

131 46.0 47.0 70.6#

130 2.2 2.0 3.0

166 29.8 30.5 45.7#





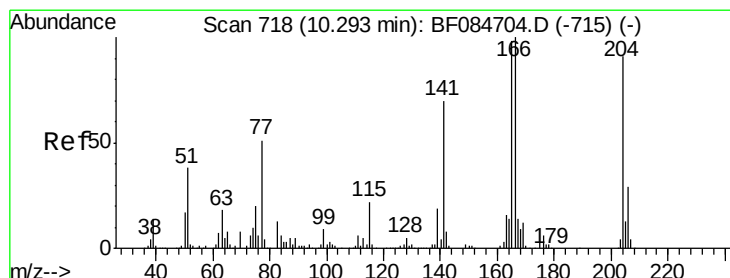
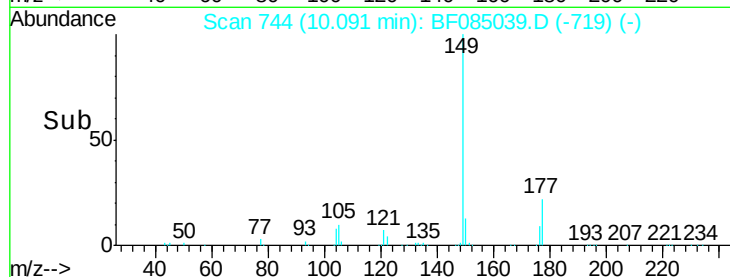
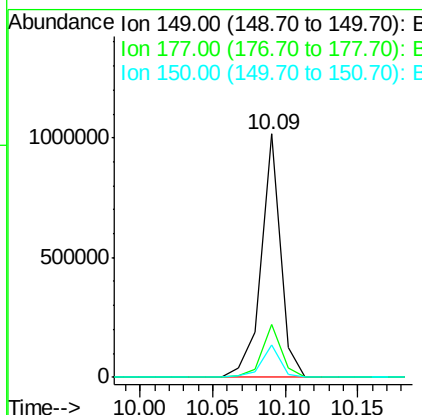
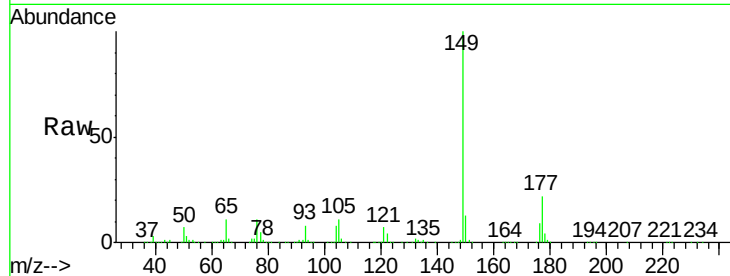
#59
Diethylphthalate
Concen: 46.04 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	13.1	9.8	14.8

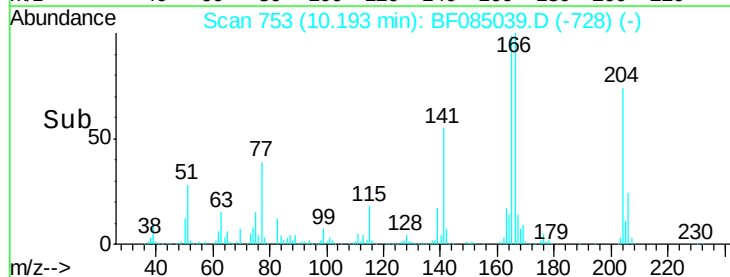
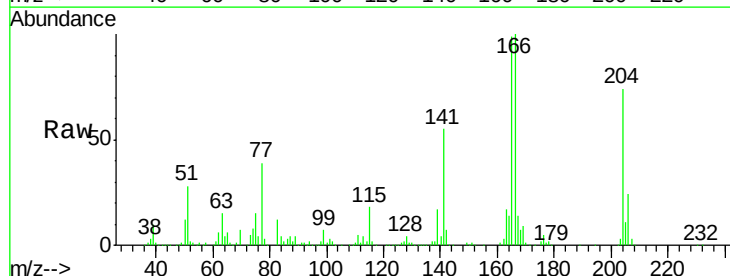
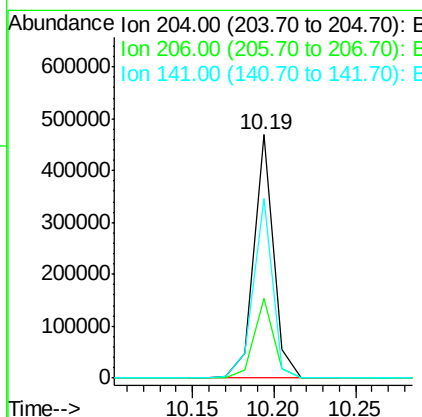
Manual Integrations
APPROVED

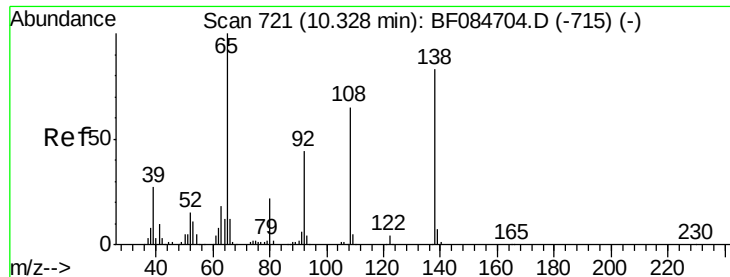
Sohil
2/12/2016 12:27:47 PM



#60
4-Chlorophenyl-phenylether
Concen: 52.91 ng
RT: 10.19 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.7	38.5
141	73.8	55.1	82.7





#61

4-Nitroaniline

Concen: 46.80 ng

RT: 10.24 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

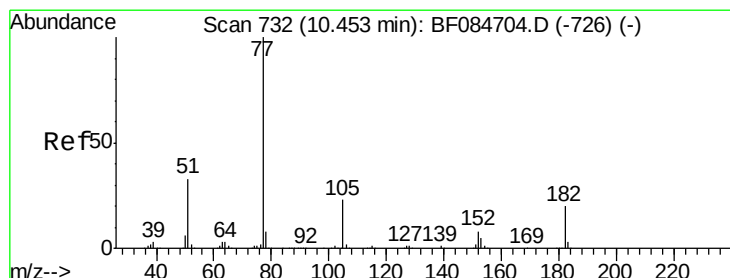
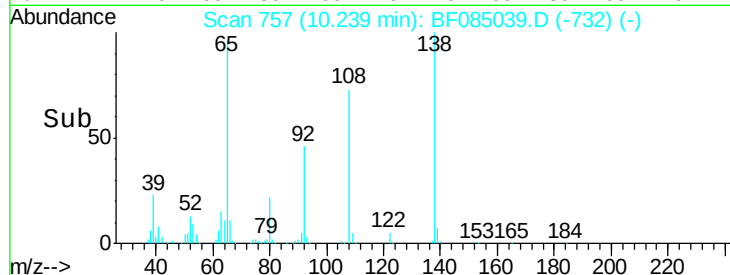
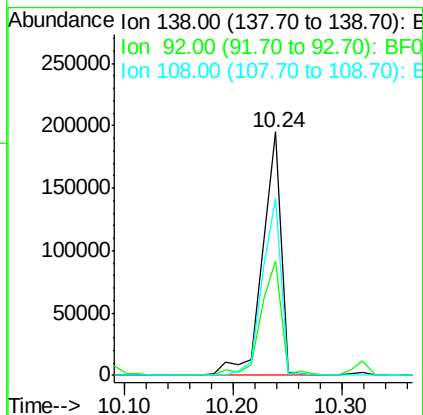
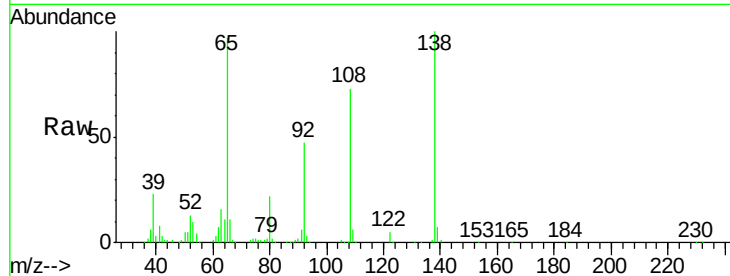
ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:	138	Resp:	234689
Ion Ratio	Lower	Upper	
138	100		
92	46.7	32.6	72.6
108	73.0	68.6	108.6

Manual Integrations
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#62

Azobenzene

Concen: 52.84 ng

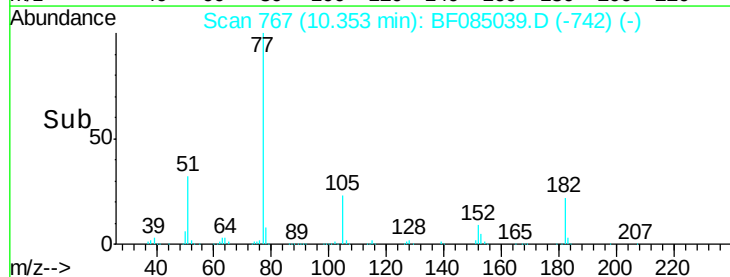
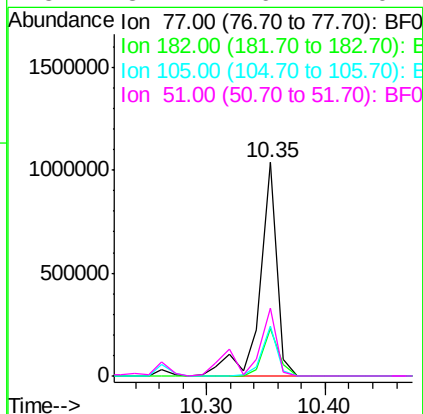
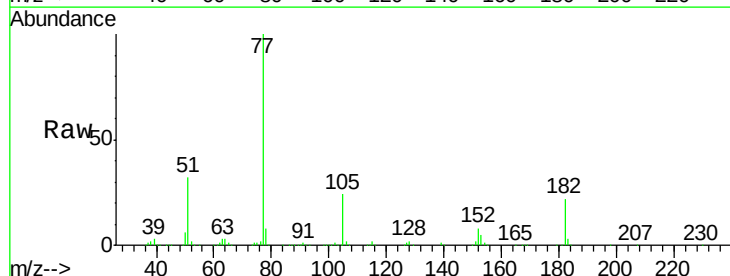
RT: 10.35 min Scan# 767

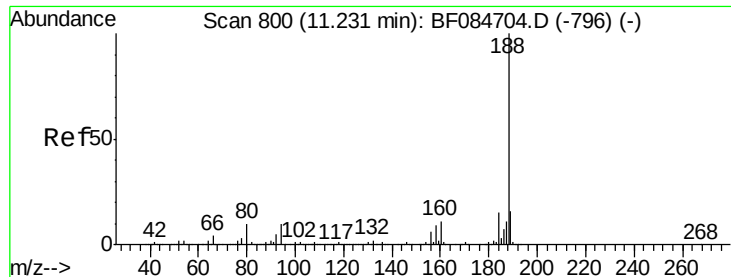
Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	77	Resp:	1040130
Ion Ratio	Lower	Upper	
77	100		
182	22.4	8.3	48.3
105	23.6	4.6	44.6
51	32.1	6.2	46.2





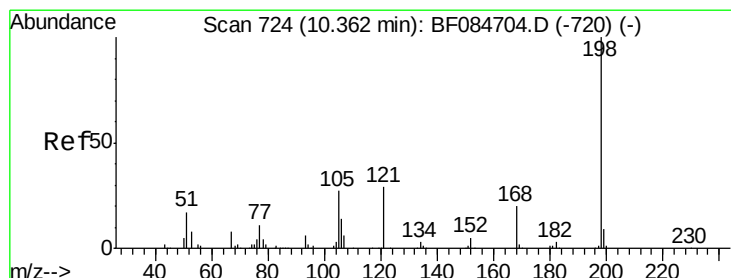
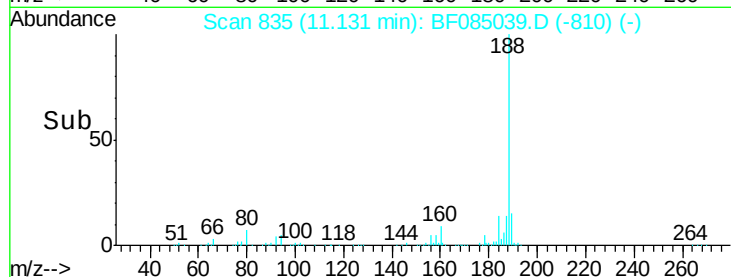
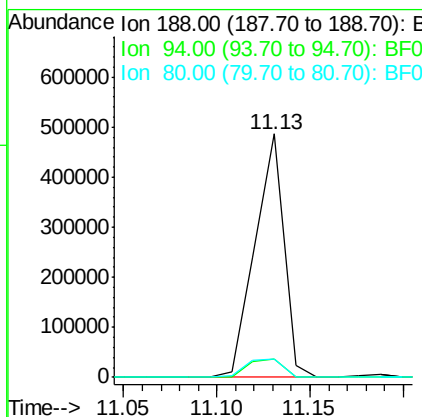
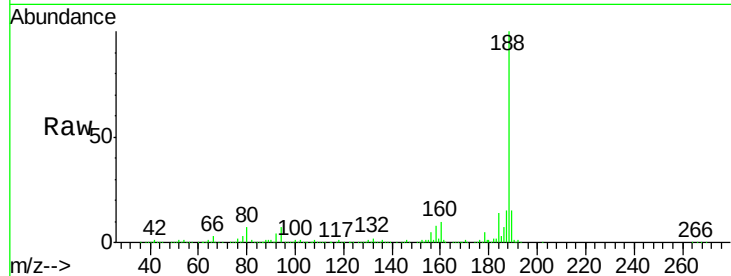
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.3	9.0	13.4#
80	7.4	9.6	14.4#

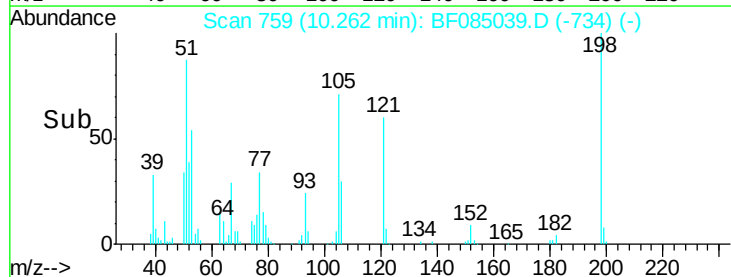
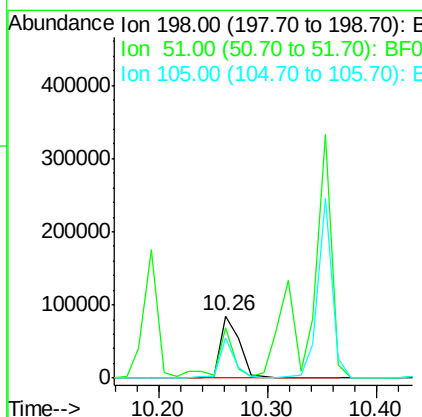
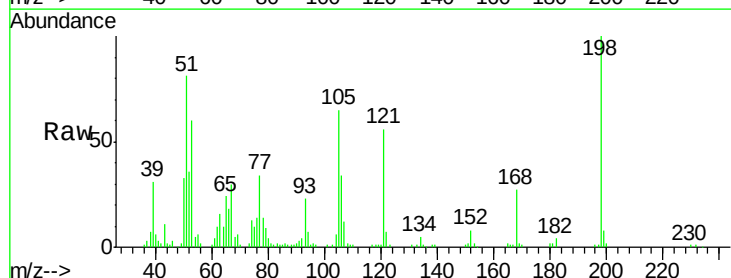
Manual Integrations
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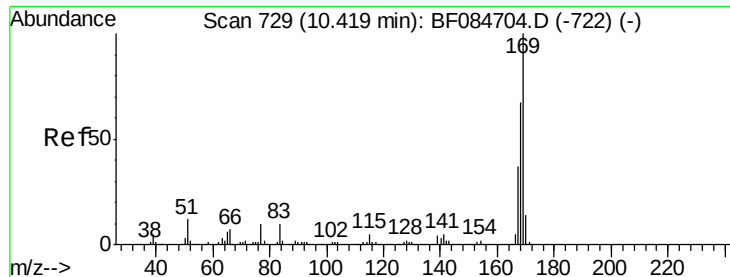
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#64
4,6-Dinitro-2-methylphenol
Concen: 32.49 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	80.7	18.9	58.9#
105	65.0	26.4	66.4





#65

n-Nitrosodiphenylamine

Concen: 49.54 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

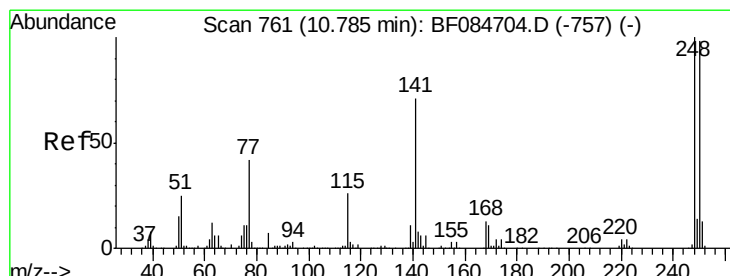
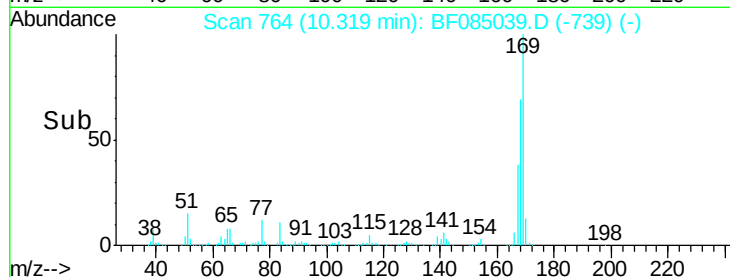
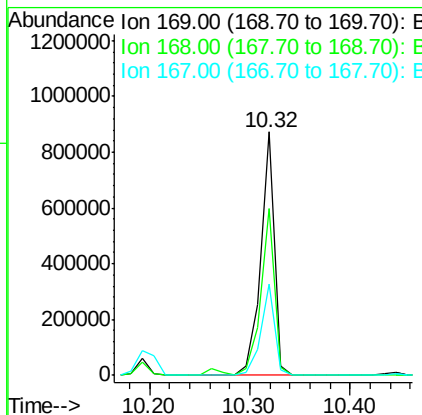
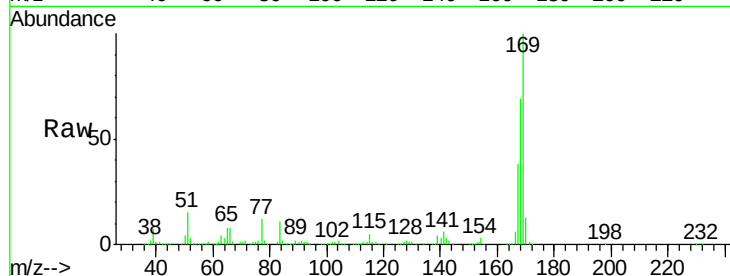
ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:	169	Resp:	822320
Ion Ratio	Lower	Upper	
169	100		
168	68.7	55.1	82.7
167	37.7	30.0	45.0

Manual Integrations
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#66

4-Bromophenyl-phenylether

Concen: 50.95 ng

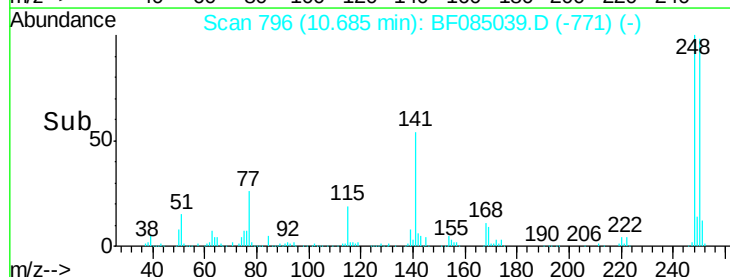
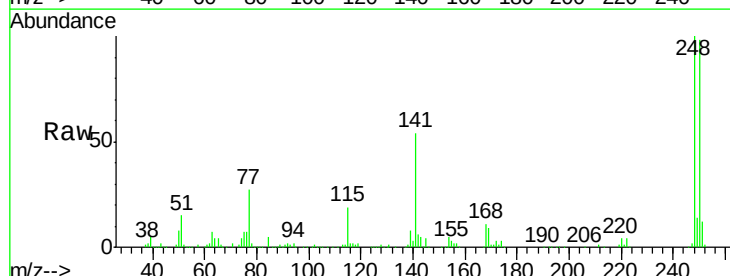
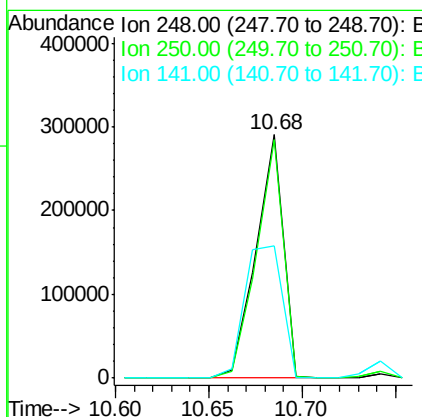
RT: 10.68 min Scan# 796

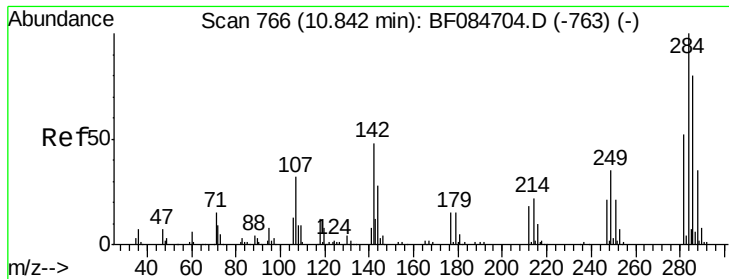
Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	248	Resp:	294121
Ion Ratio	Lower	Upper	
248	100		
250	97.8	78.4	117.6
141	54.2	44.0	66.0





#67

Hexachlorobenzene

Concen: 44.97 ng

RT: 10.74 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF085039.D

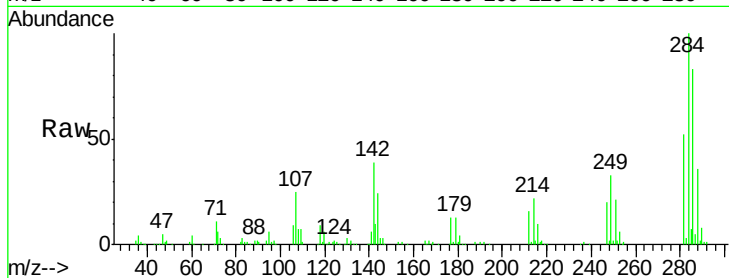
Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

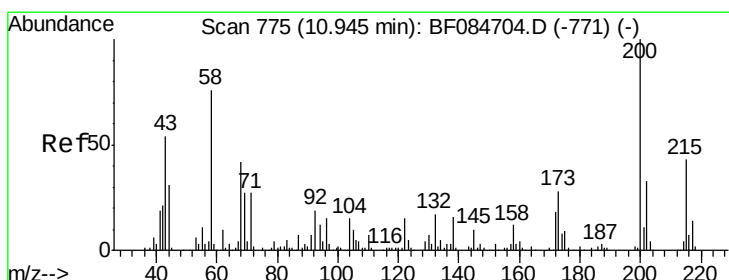
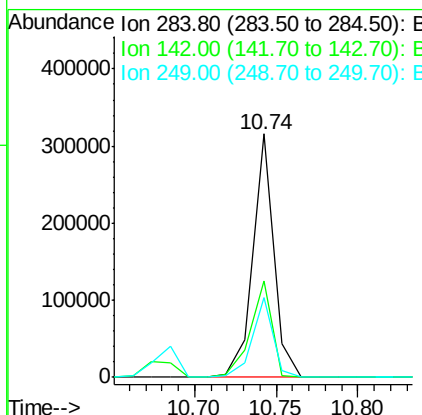
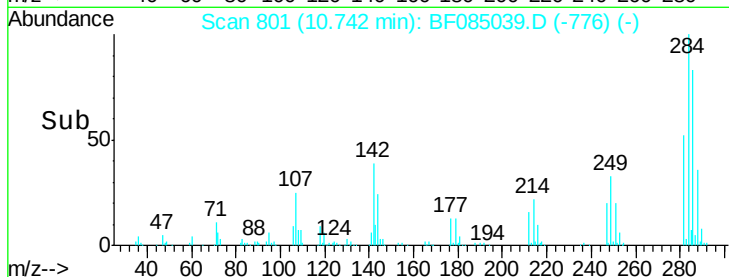
SUP-B004(16-18)MSD



Tgt Ion:	284	Resp:	282866
Ion Ratio	Lower	Upper	
284	100		
142	39.4	22.2	33.4#
249	32.8	24.6	37.0

Manual Integrations
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#68

Atrazine

Concen: 56.56 ng

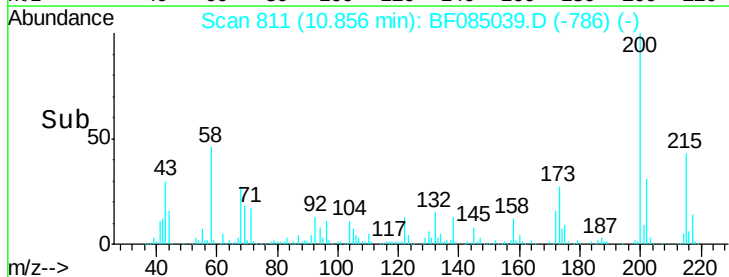
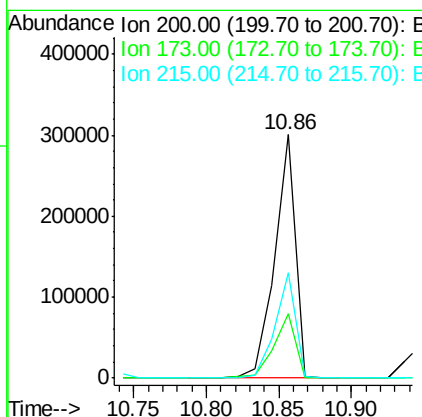
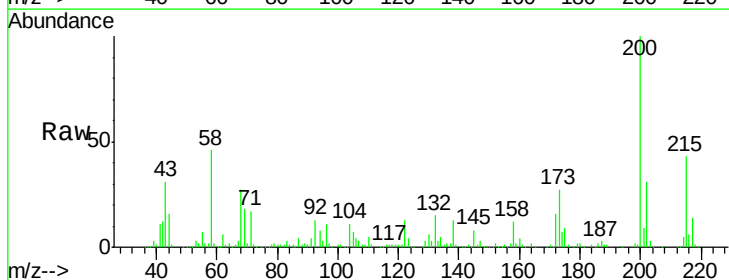
RT: 10.86 min Scan# 811

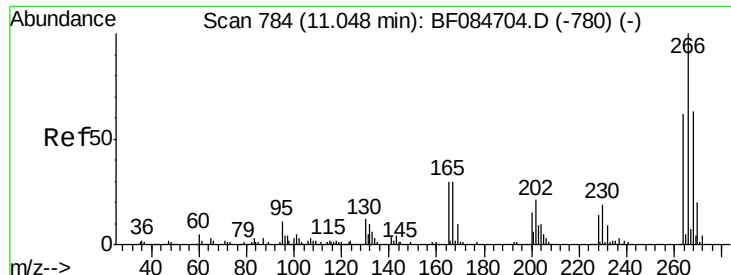
Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	200	Resp:	296480
Ion Ratio	Lower	Upper	
200	100		
173	26.5	9.5	49.5
215	43.1	23.8	63.8





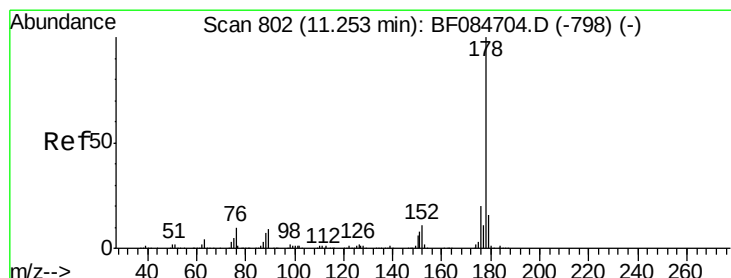
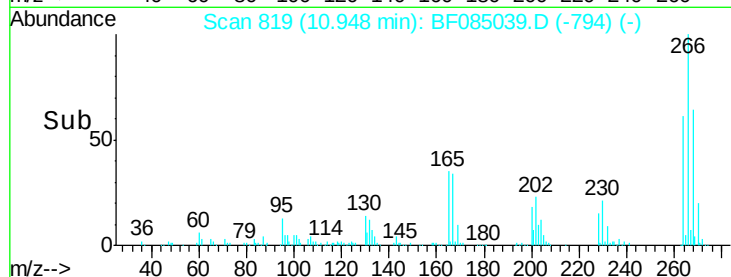
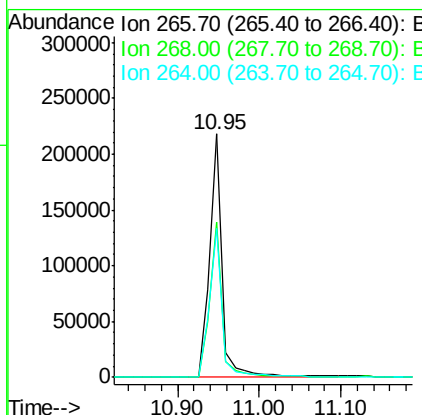
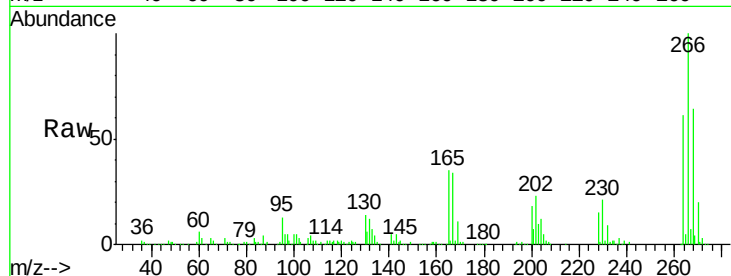
#69
 Pentachlorophenol
 Concen: 82.06 ng
 RT: 10.95 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	52.4	78.6
264	61.1	50.2	75.2

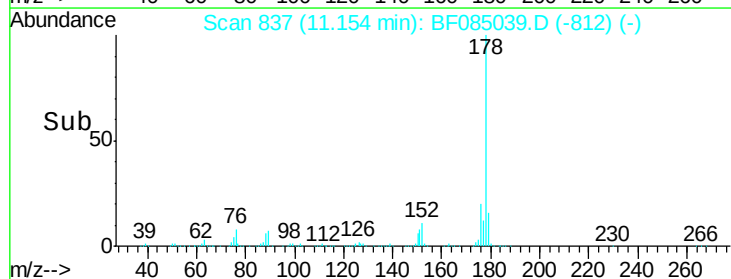
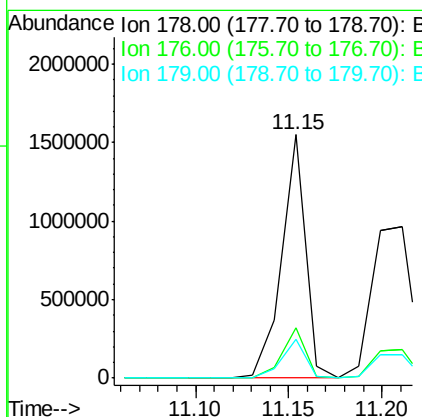
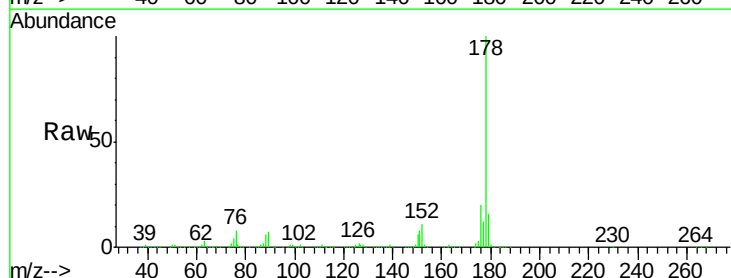
Manual Integrations
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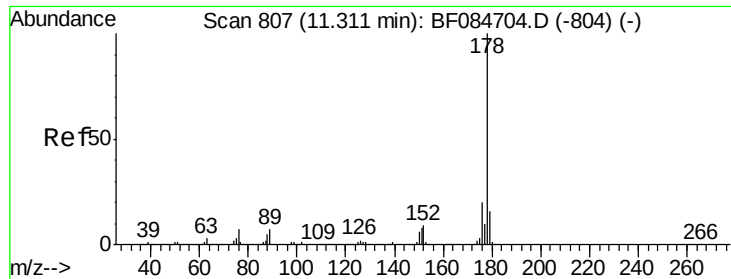
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#70
 Phenanthrene
 Concen: 47.88 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.3	22.9
179	16.1	12.0	18.0





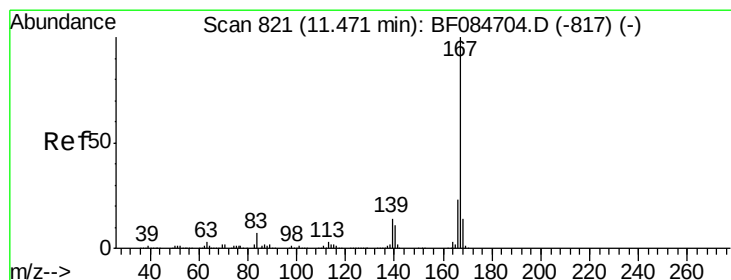
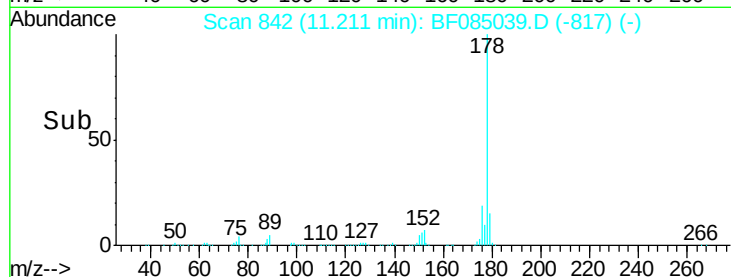
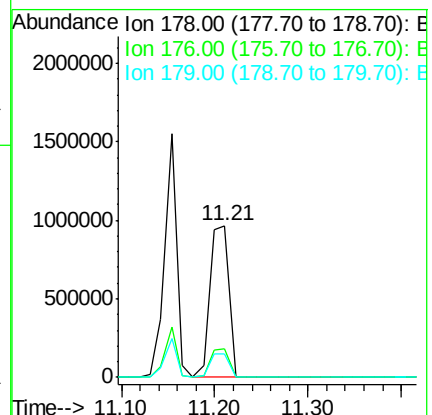
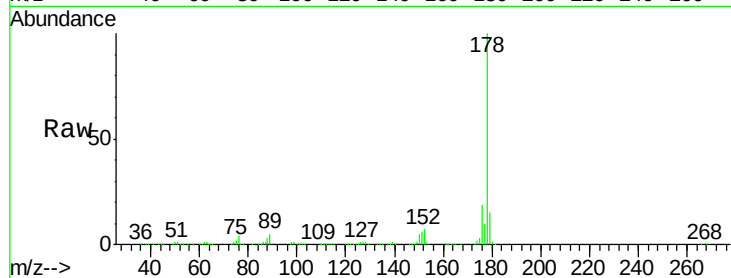
#71
 Anthracene
 Concen: 46.72 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion:178 Resp: 1364707
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 15.3 12.5 18.7

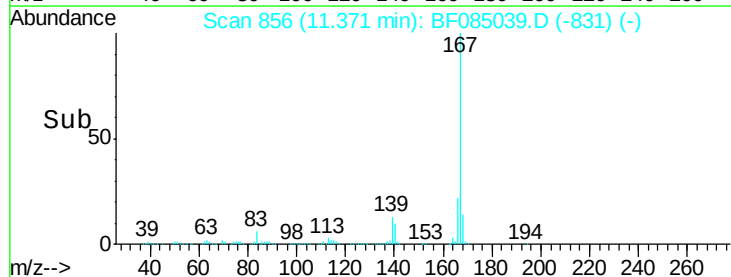
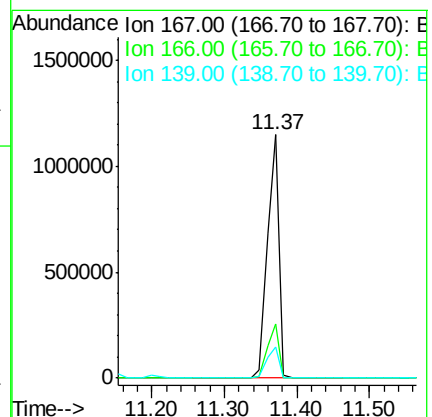
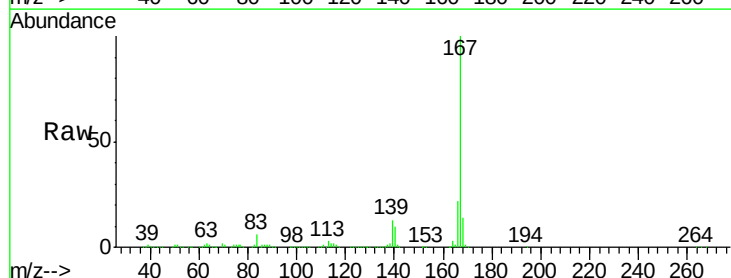
Manual Integrations
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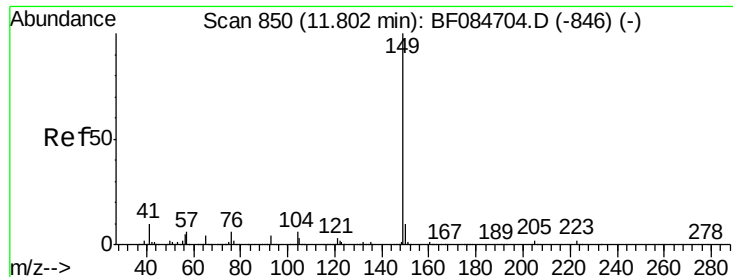
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#72
 Carbazole
 Concen: 50.99 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion:167 Resp: 1298890
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 13.0 11.8 17.8





#73

Di-n-butylphthalate

Concen: 43.86 ng

RT: 11.70 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

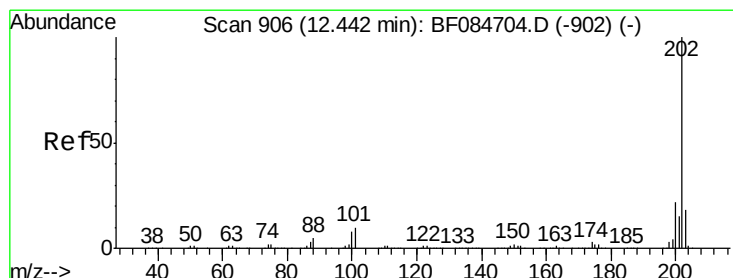
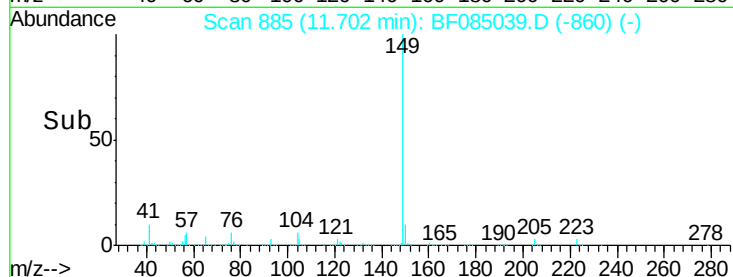
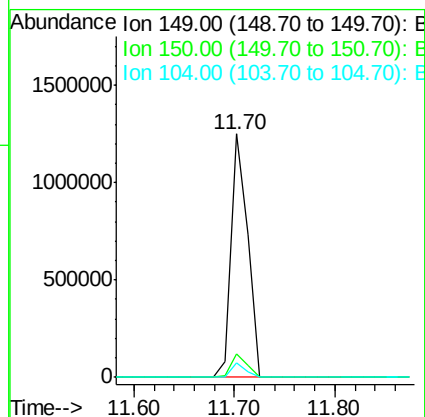
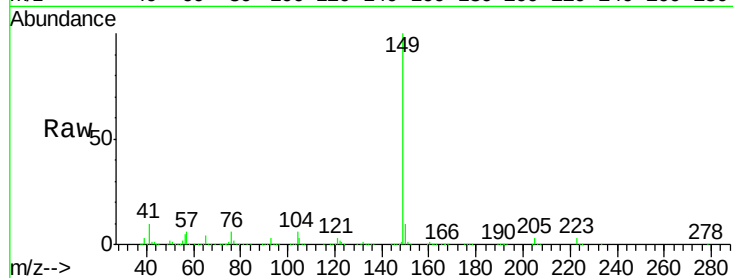
SUP-B004(16-18)MSD

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Tgt Ion:	149	Resp:	1422445
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.1	10.7
104	5.7	3.2	4.8#



#74

Fluoranthene

Concen: 42.26 ng

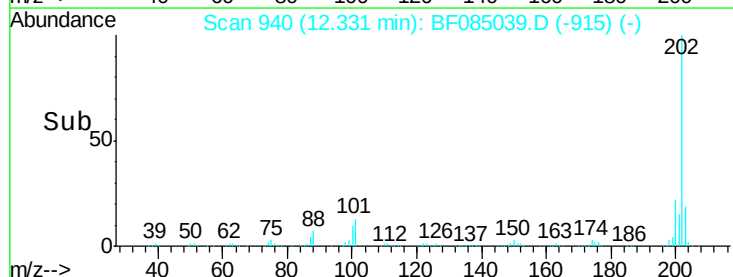
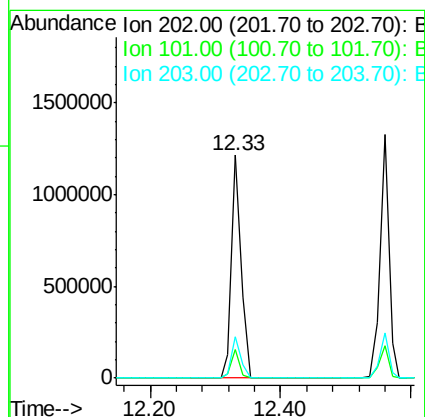
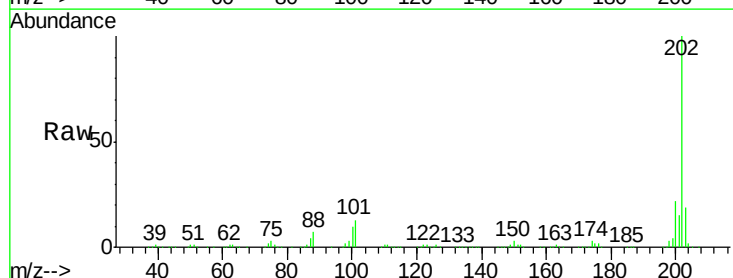
RT: 12.33 min Scan# 940

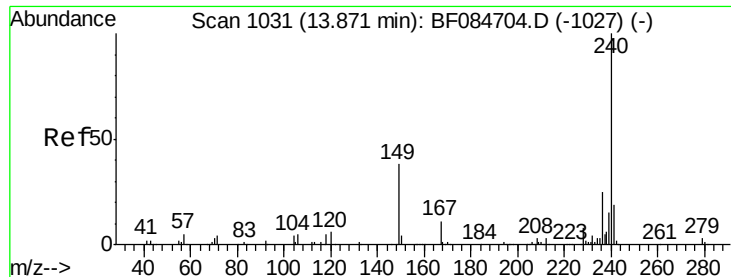
Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	202	Resp:	1240105
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.8
203	18.7	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:240 Resp: 323809
Ion Ratio Lower Upper

240 100

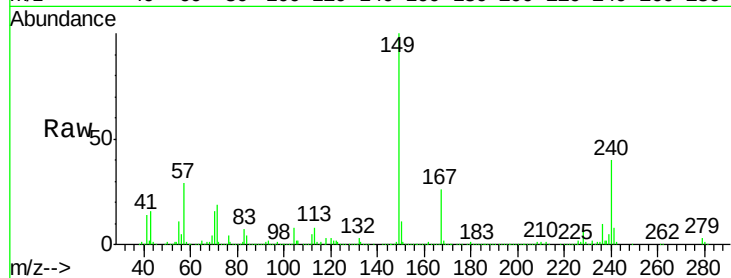
120 7.6 9.5 14.3#

236 25.2 20.6 31.0

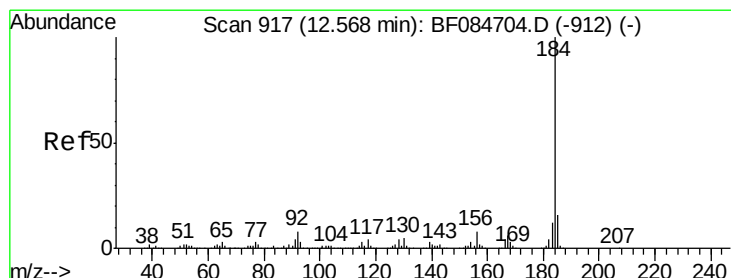
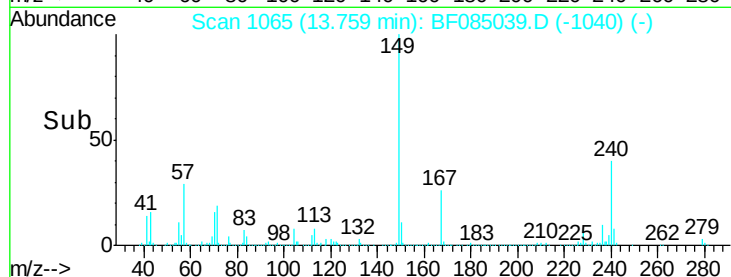
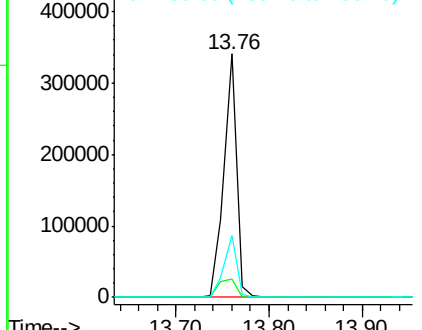
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 20.13 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF085039.D

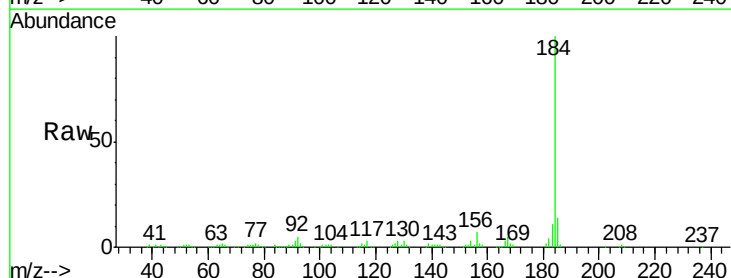
Acq: 12 Feb 2016 4:12

Tgt Ion:184 Resp: 210336
Ion Ratio Lower Upper

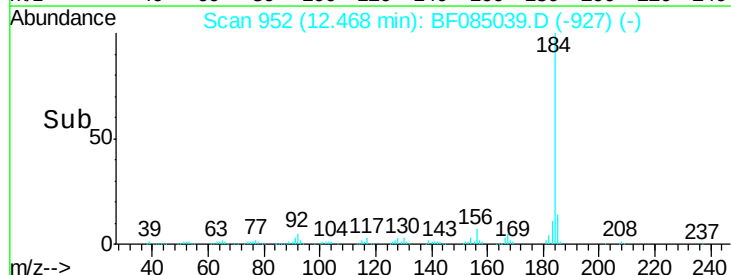
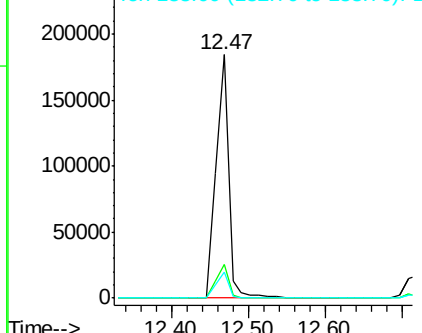
184 100

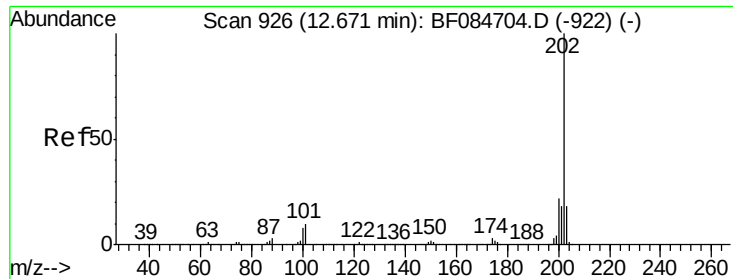
185 14.1 12.2 18.2

183 10.8 9.8 14.8



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: 50.79 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

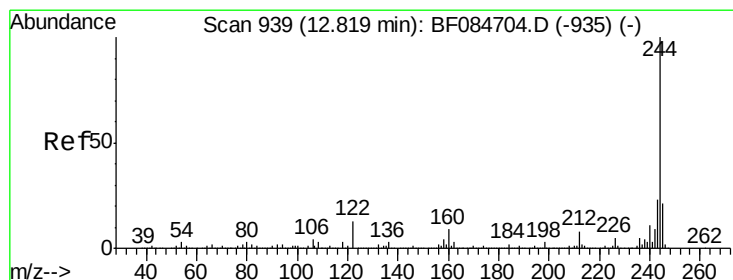
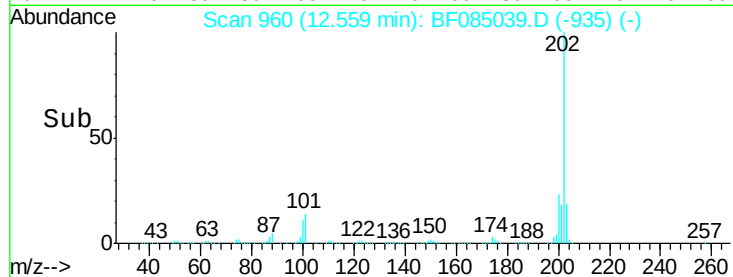
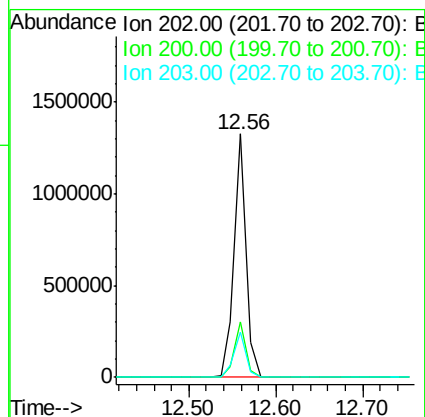
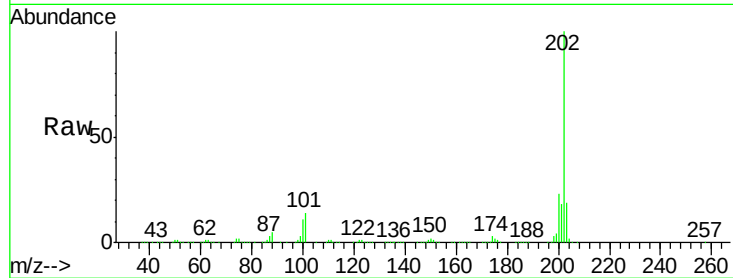
ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:	202	Resp:	1259234
Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.2	25.8
203	18.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 115.96 ng

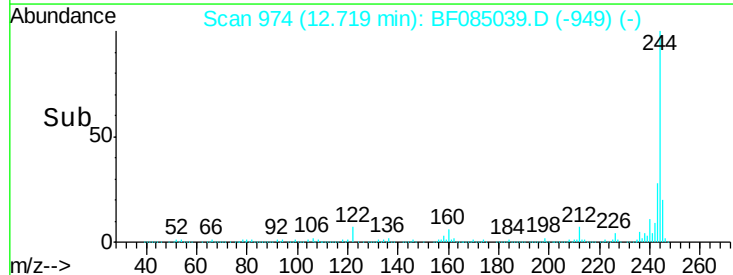
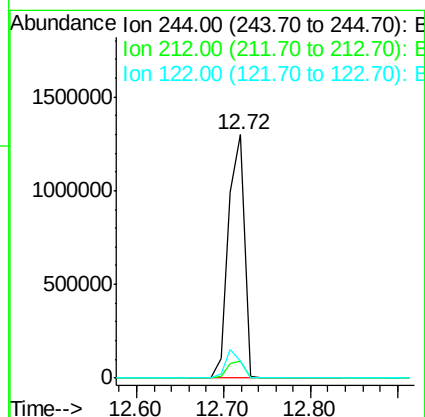
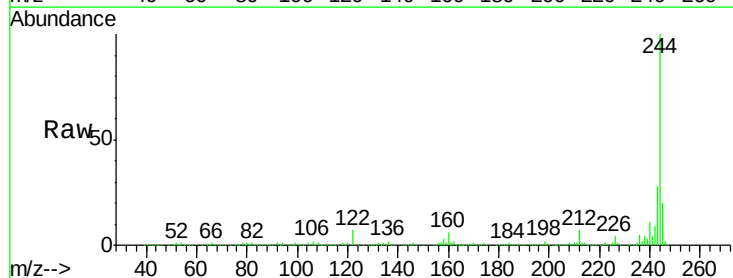
RT: 12.72 min Scan# 974

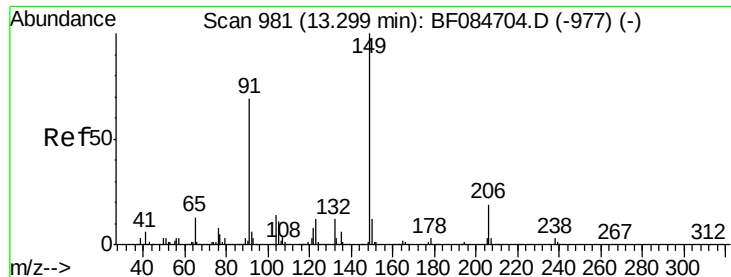
Delta R.T. -0.01 min

Lab File: BF085039.D

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Tgt Ion:	244	Resp:	1656976
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	6.9	7.4	11.0#





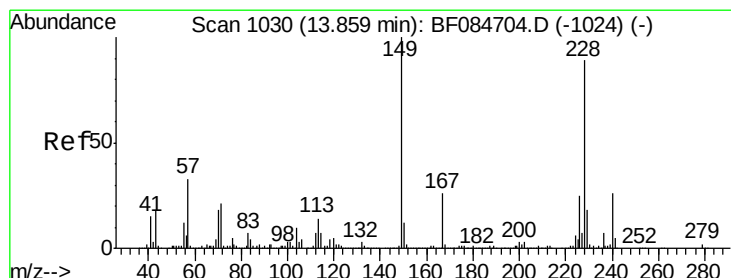
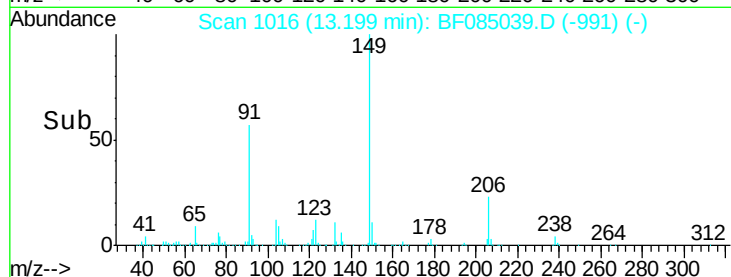
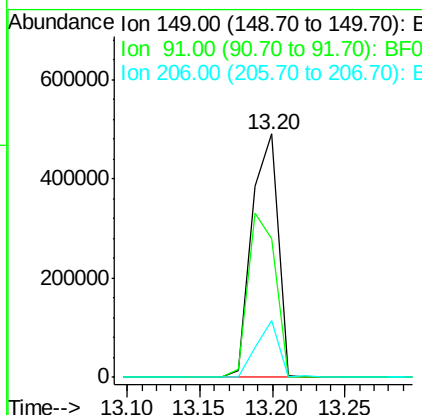
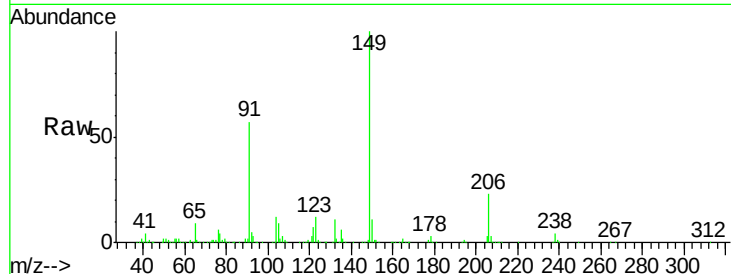
#79
Butylbenzylphthalate
Concen: 54.60 ng
RT: 13.20 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	614040		
91	56.8	57.6	86.4#	
206	23.2	13.2	19.8#	

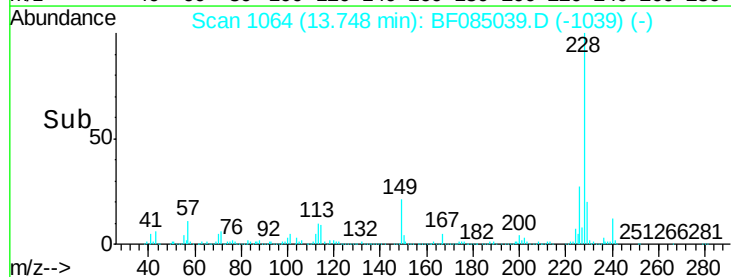
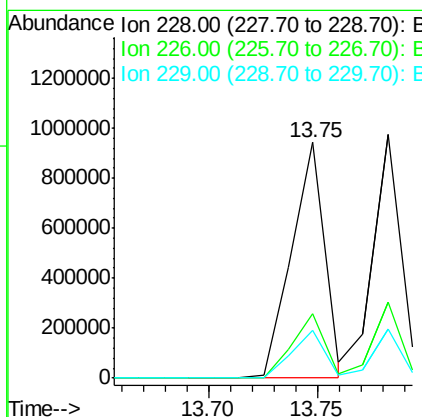
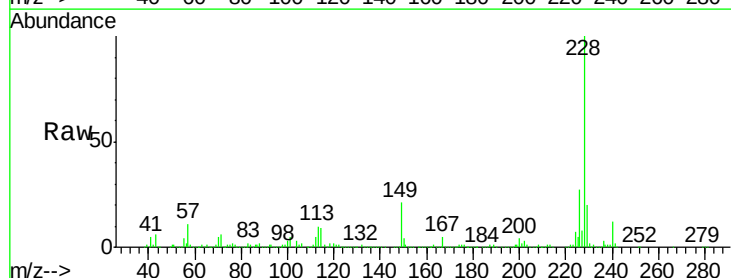
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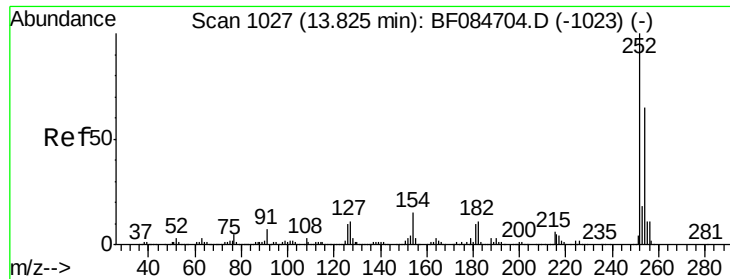
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#80
Benzo(a)anthracene
Concen: 49.73 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	999509		
226	27.3	21.8	32.6	
229	20.2	15.8	23.8	





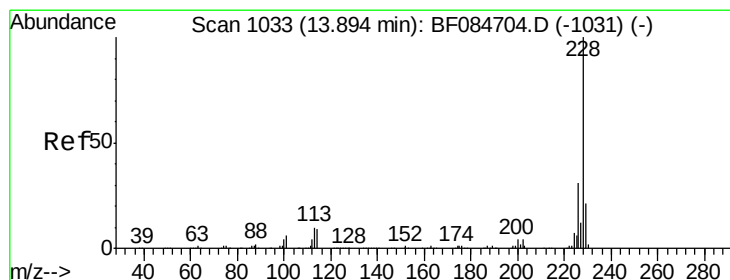
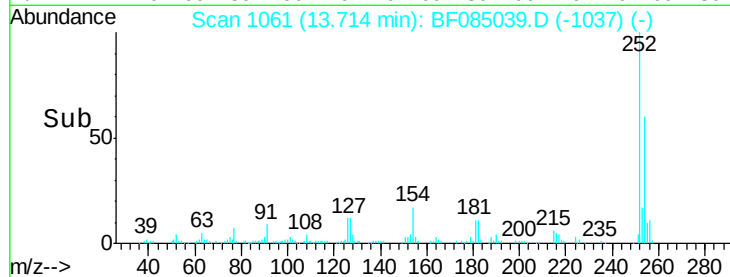
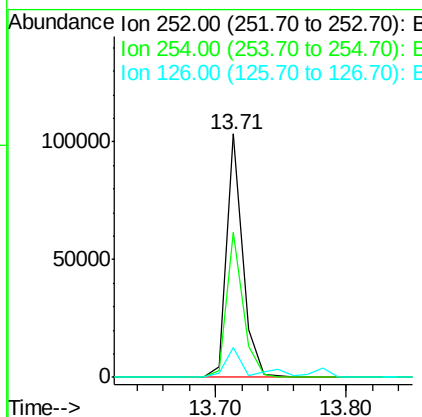
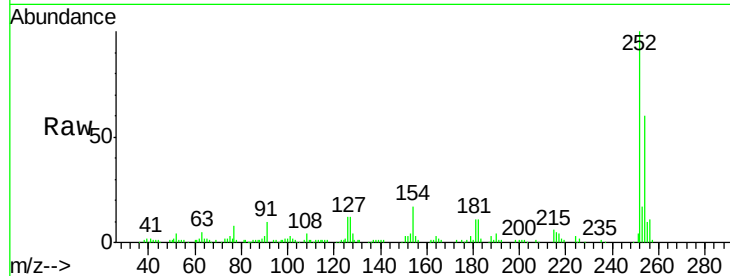
#81
 3,3'-Dichlorobenzidine
 Concen: 12.59 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
254	59.7	53.5	80.3
126	12.3	4.9	7.3#

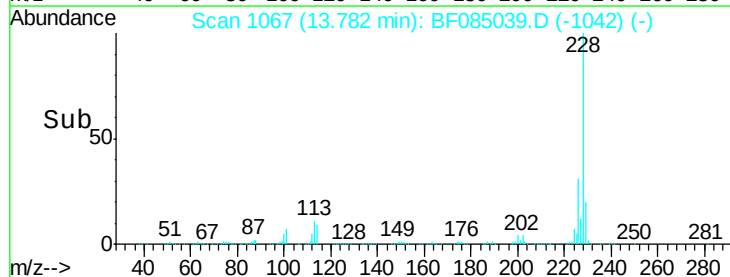
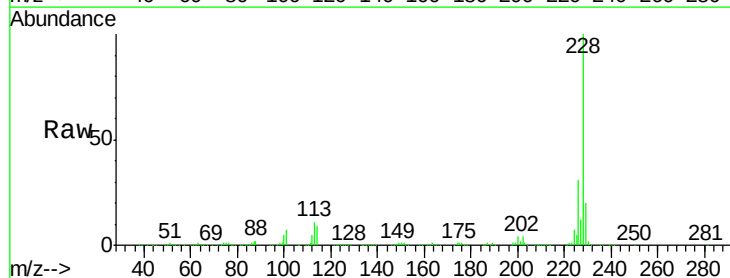
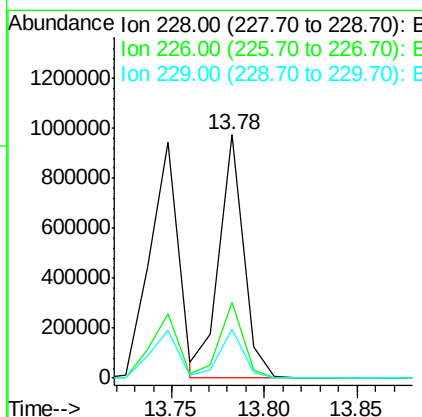
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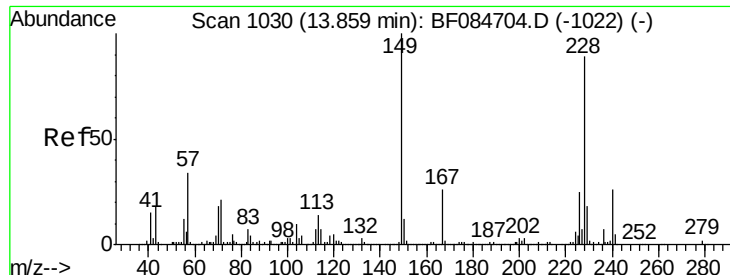
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#82
 Chrysene
 Concen: 45.35 ng m
 RT: 13.78 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.0	24.3	36.5
229	20.2	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 55.22 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF085039.D

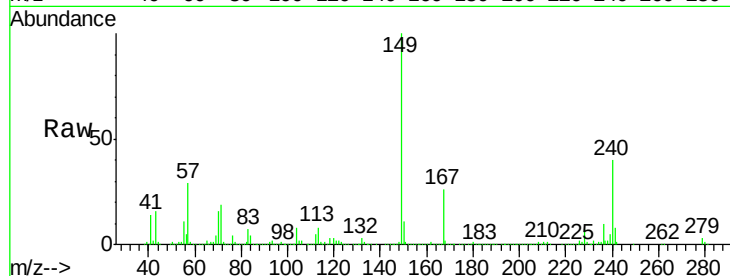
Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD



Tgt Ion:149 Resp: 772891

Ion Ratio Lower Upper

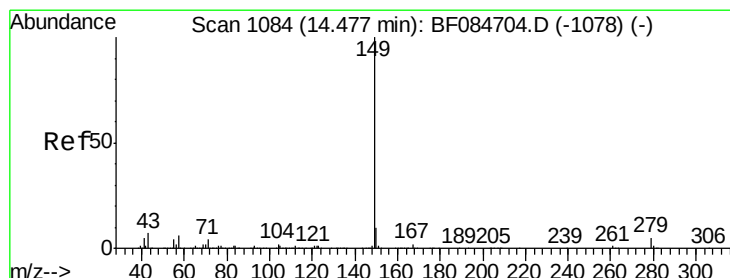
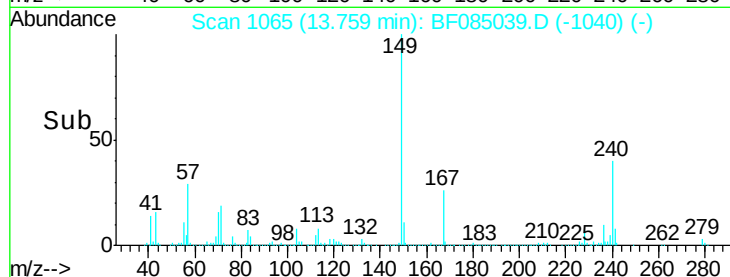
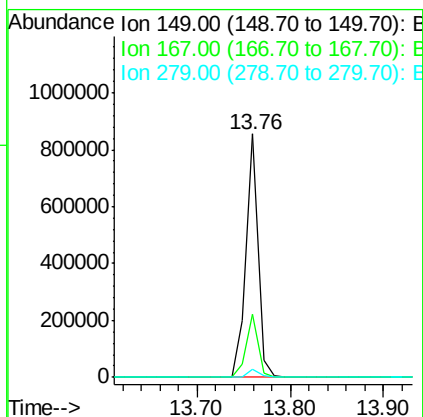
149 100

167 25.9 19.7 29.5

279 3.1 1.8 2.6#

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#84

Di-n-octyl phthalate

Concen: 49.86 ng

RT: 14.37 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

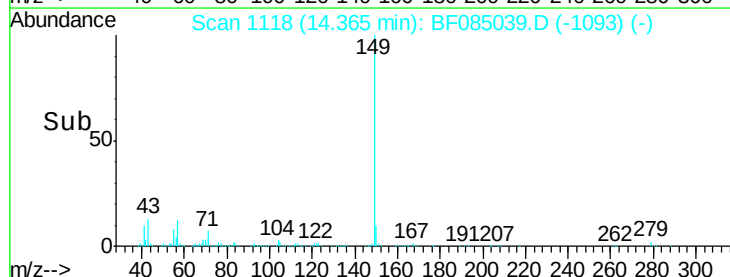
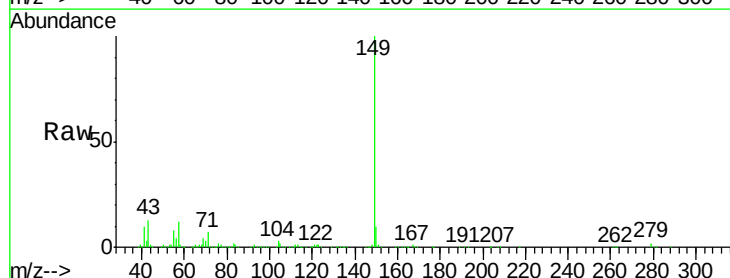
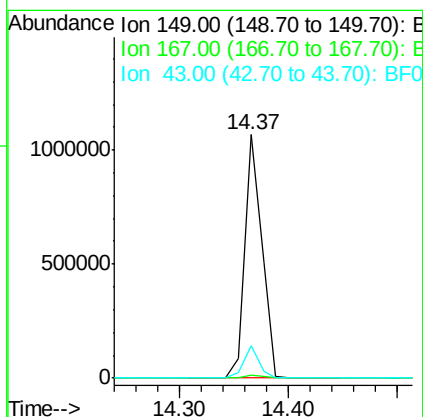
Tgt Ion:149 Resp: 1151389

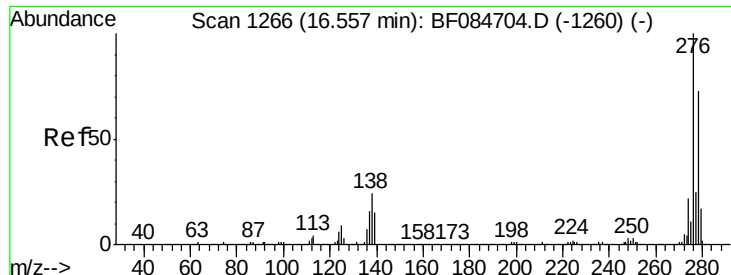
Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.3 5.6 8.4#





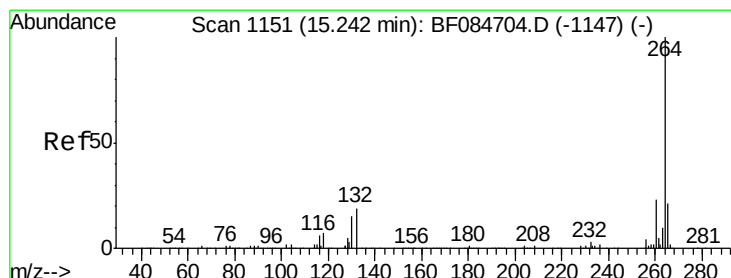
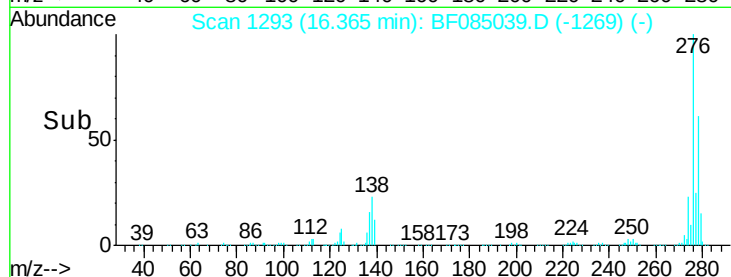
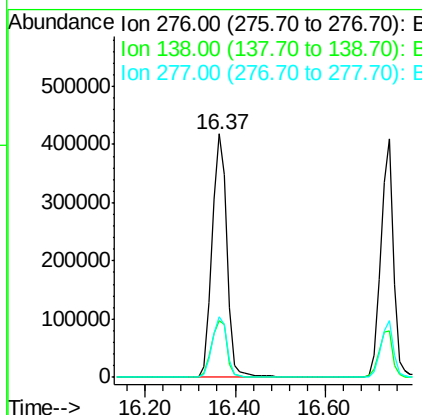
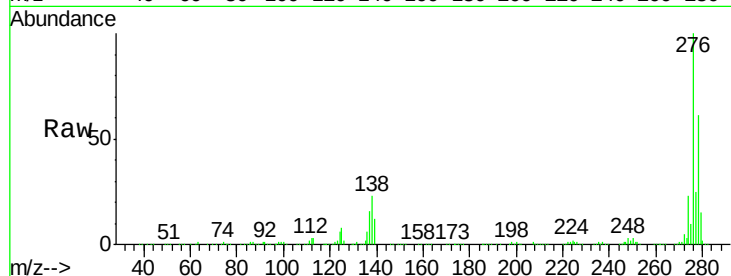
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 62.72 ng
 RT: 16.37 min Scan# 1293
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	962130		
138	24.5	20.6	30.8	
277	25.1	20.1	30.1	

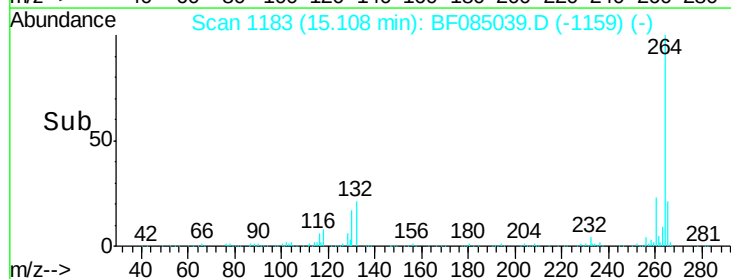
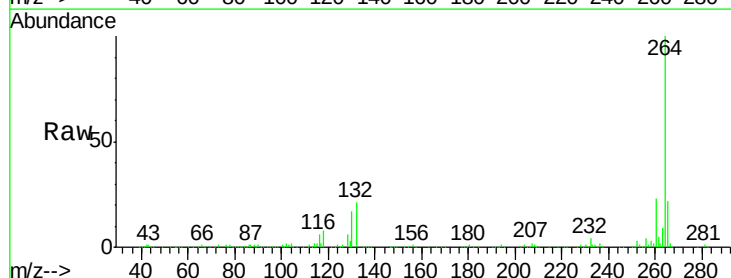
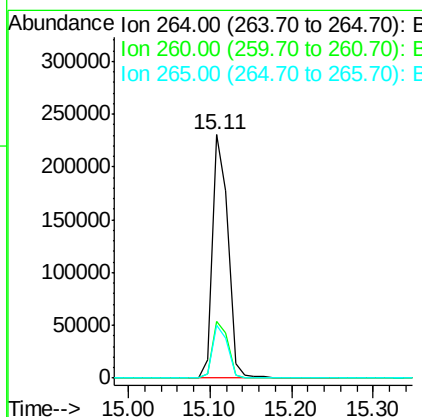
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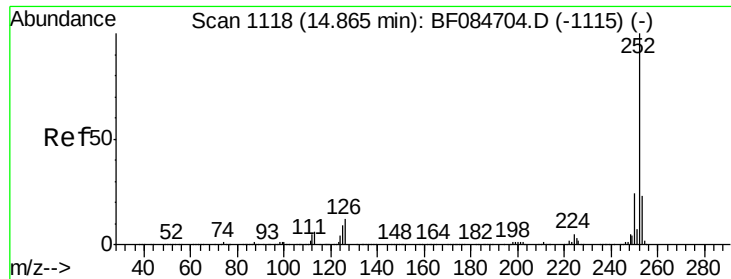
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	306784		
260	23.0	19.4	29.2	
265	21.7	17.8	26.6	





#87

Benzo(b)fluoranthene

Concen: 52.39 ng m

RT: 14.75 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

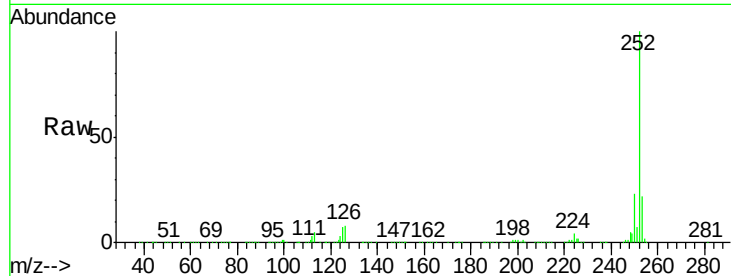
ClientSampleId :

SUP-B004(16-18)MSD

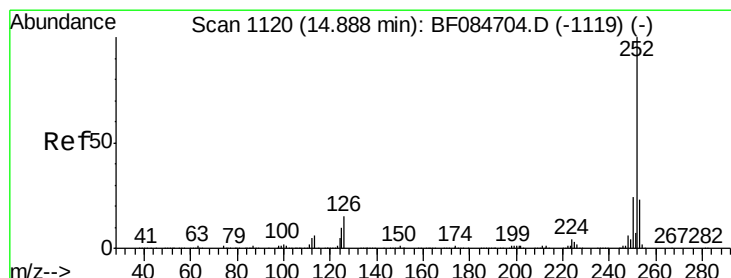
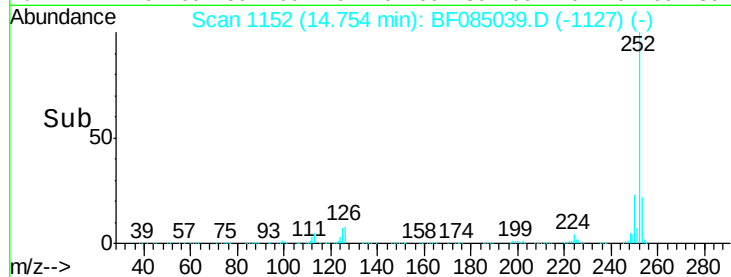
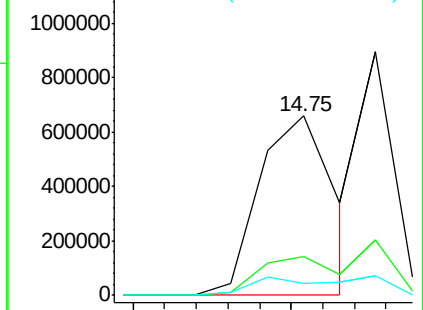
Tgt Ion:	252	Resp:	1079919
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.3	25.9
125	6.8	6.5	9.7

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 39.96 ng m

RT: 14.78 min Scan# 1154

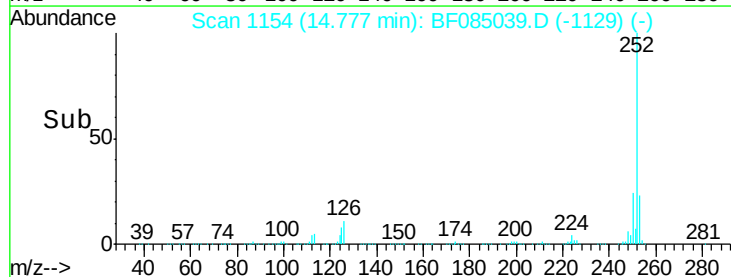
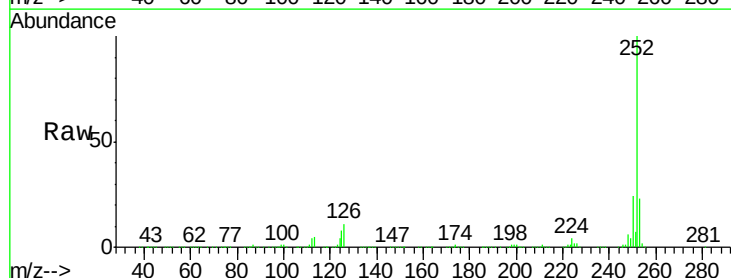
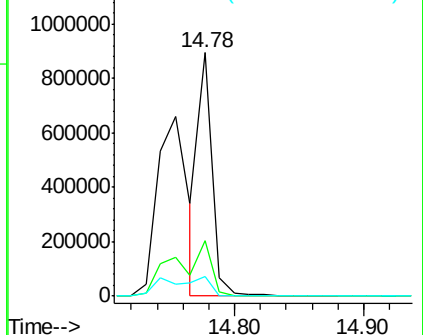
Delta R.T. -0.01 min

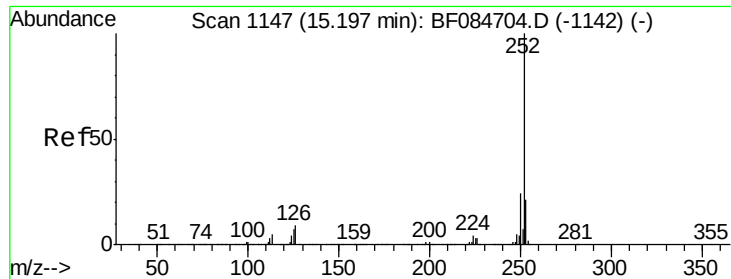
Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	252	Resp:	681084
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.1	27.1
125	7.9	9.0	13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





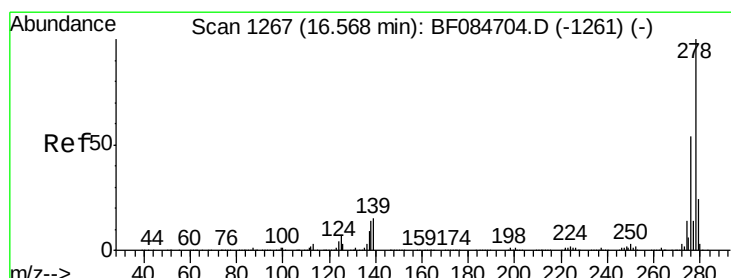
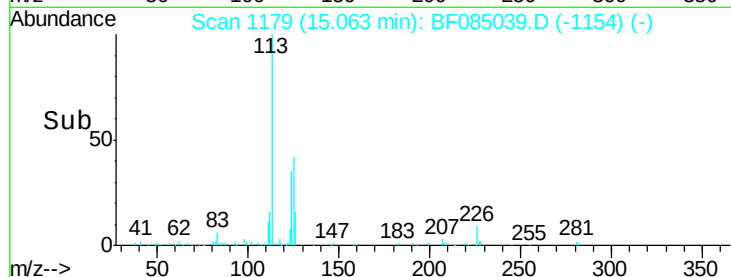
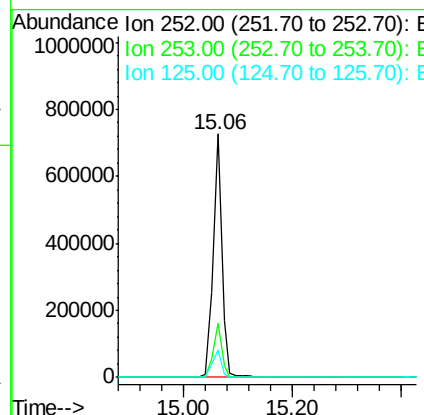
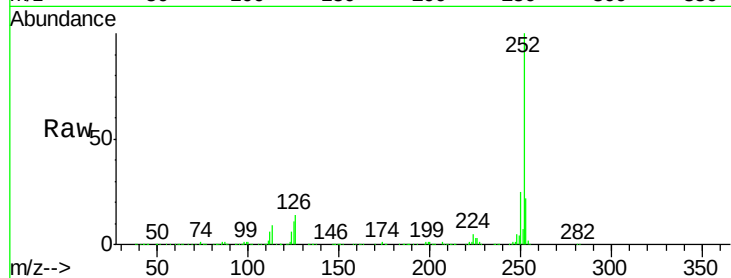
#89
Benzo(a)pyrene
Concen: 46.55 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.2	17.3	25.9
125	11.2	7.0	10.4

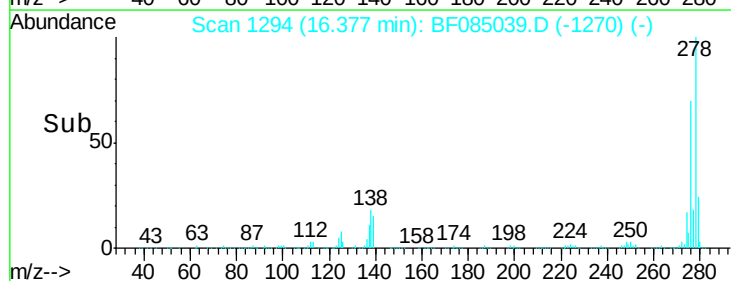
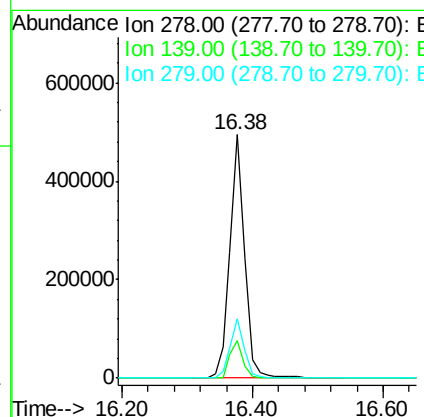
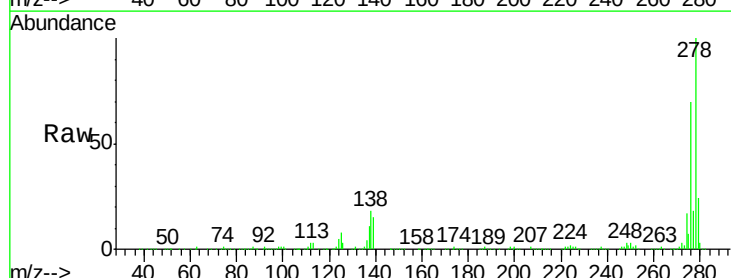
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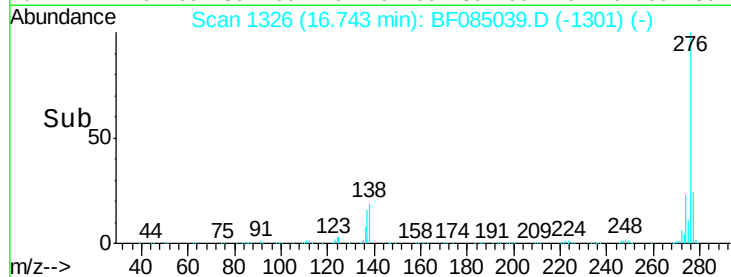
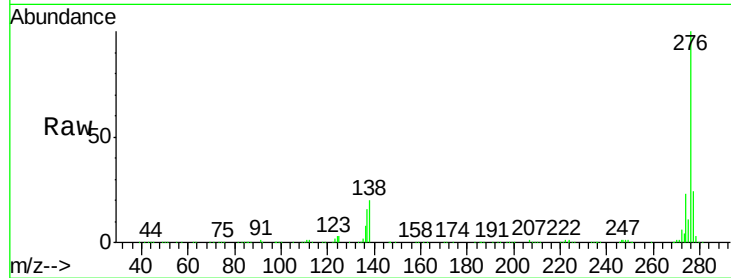
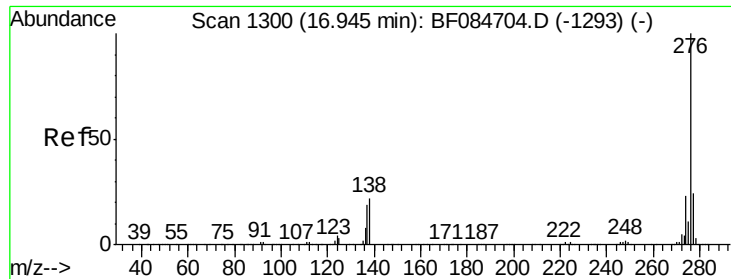
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#90
Dibenzo(a,h)anthracene
Concen: 52.96 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	15.4	15.0	22.4
279	24.2	18.9	28.3





#91

Benzo(g,h,i)perylene

Concen: 53.98 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	276	Resp:	803922
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	19.5	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

Manual Integrations
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