

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083957.D
 Acq On : 19 Dec 2015 16:29
 Operator : UM/SJ
 Sample : G4828-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-18

Quant Time: Dec 21 00:54:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	73471	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	325473	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	146289	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	278900	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	214192	20.00	ng	-0.02
86) Perylene-d12	15.44	264	167366	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	192229	40.95	ng	-0.02
7) Phenol-d6	6.49	99	152468	26.53	ng	-0.02
23) Nitrobenzene-d5	7.41	82	417639	73.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	143595	89.10	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	835746	79.39	ng	-0.03
78) Terphenyl-d14	12.96	244	800837	87.61	ng	-0.02

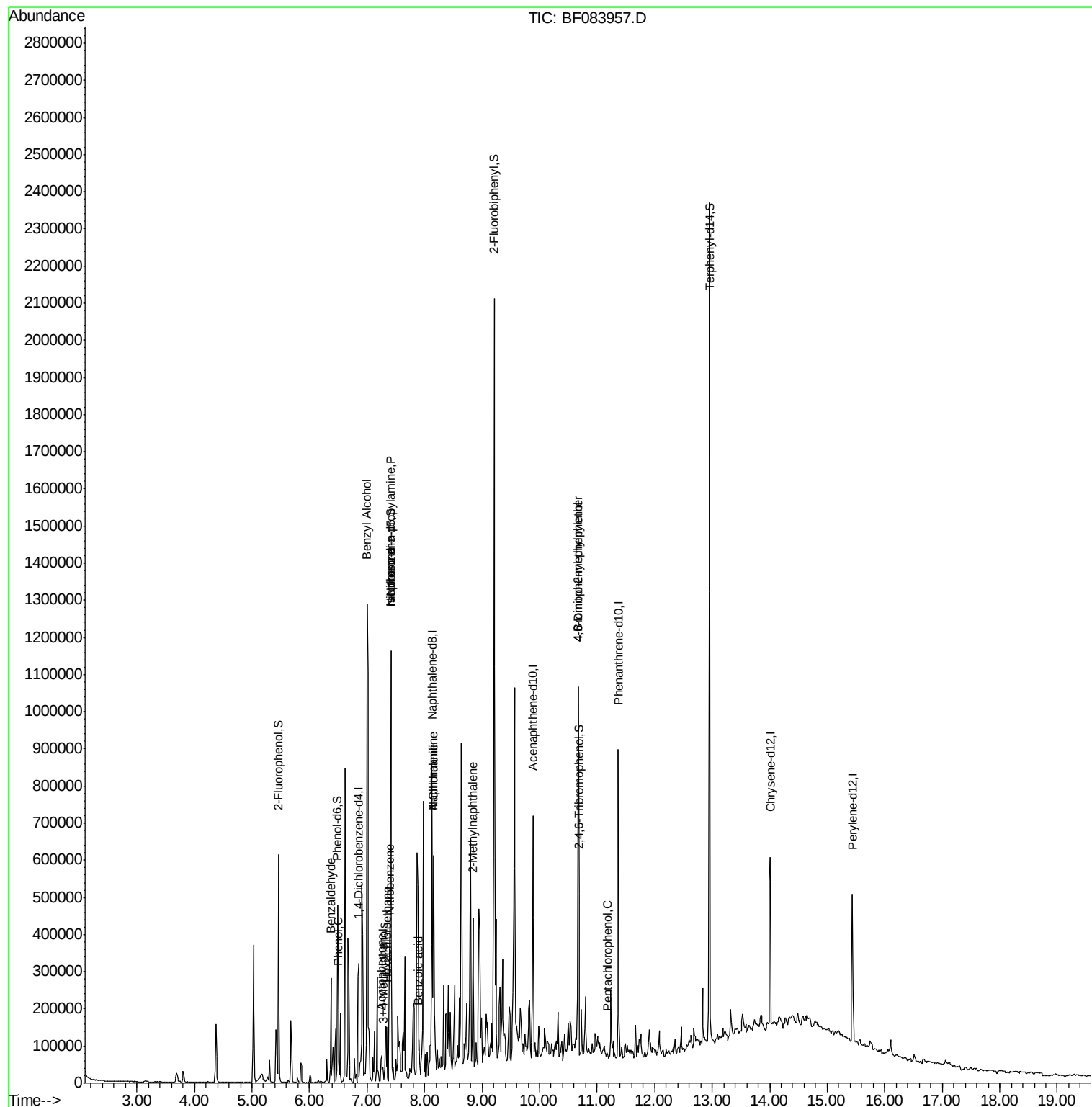
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	16282	4.70	ng	# 1
10) Phenol	6.50	94	38323	5.98	ng	92
15) Benzyl Alcohol	7.00	79	13173	3.03	ng	# 59
18) Hexachloroethane	7.34	117	8901	3.95	ng	# 1
19) n-Nitroso-di-n-propylamine	7.41	70	59500	17.76	ng	# 78
20) 3+4-Methylphenols	7.28	107	10768	2.09	ng	# 42
22) Acetophenone	7.25	105	34411	4.39	ng	# 59
24) Nitrobenzene	7.39	77	14236	2.41	ng	# 22
25) Isophorone	7.41	82	309232	28.82	ng	# 66
31) Naphthalene	8.16	128	177221	9.05	ng	98
32) Benzoic acid	7.89	122	18384	13.72	ng	88
33) 4-Chloroaniline	8.16	127	29625	4.01	ng	# 45
36) 4-Chloro-3-methylphenol	8.70	107	5271	Below Cal	#	20
37) 2-Methylnaphthalene	8.84	142	140530	12.42	ng	98
46) 2-Chloronaphthalene	9.21	162	1598	Below Cal	#	1
57) Fluorene	10.43	166	12182	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.67	198	247	4.06	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	9155	2.68	ng	# 1
69) Pentachlorophenol	11.18	266	379	4.95	ng	# 87
77) Pyrene	12.81	202	2500	Below Cal	#	83

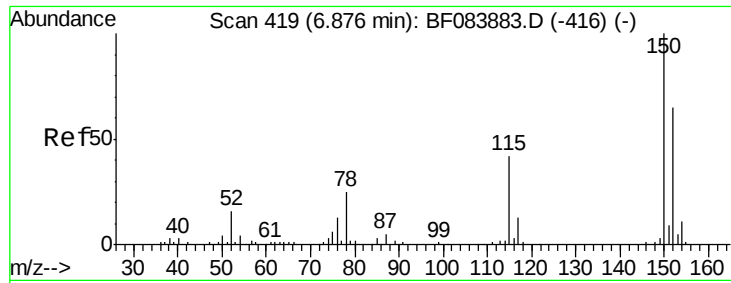
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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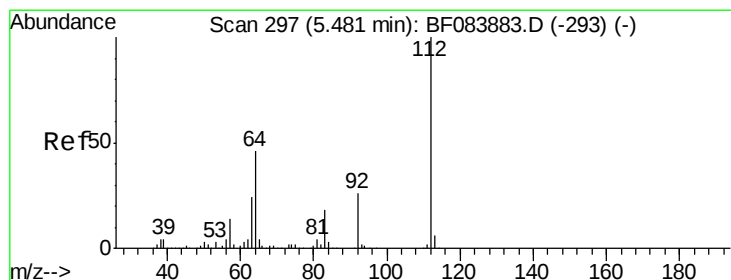
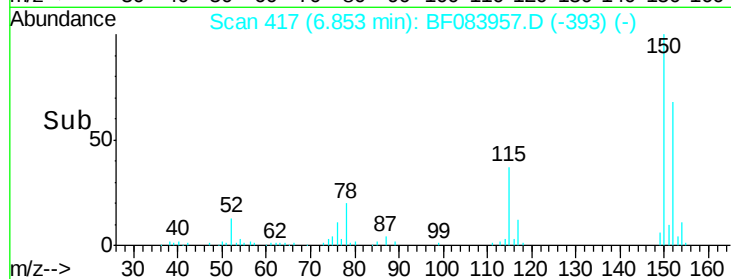
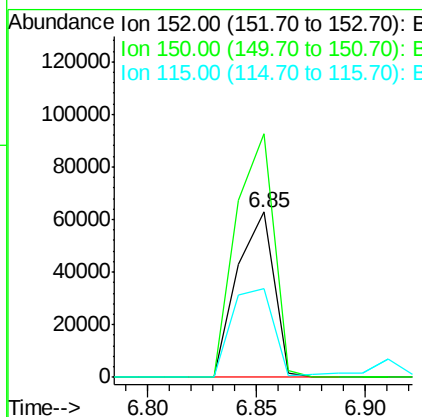
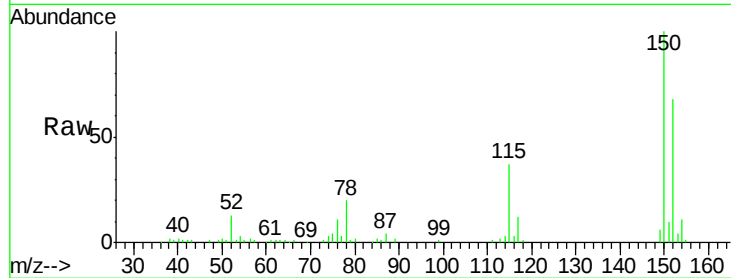




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

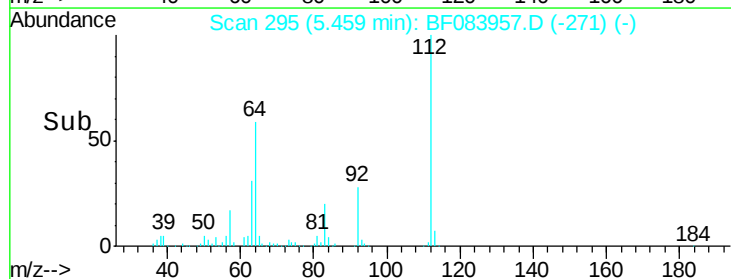
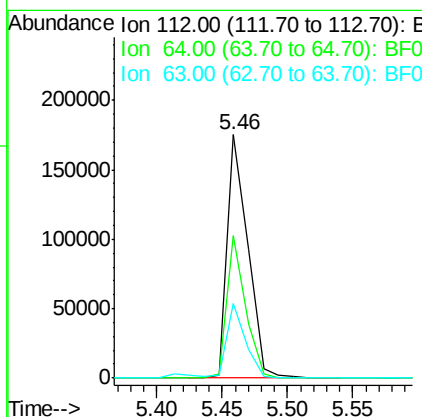
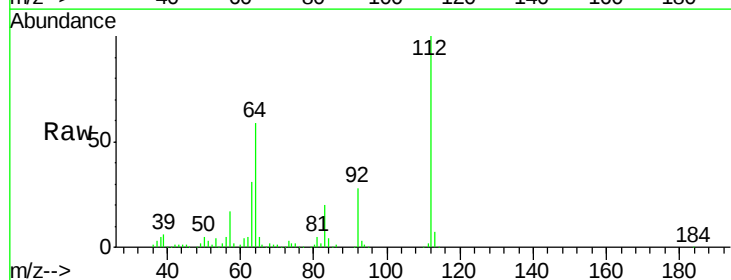
Instrument :
 BNA_F
 ClientSampleId :
 TEC-18

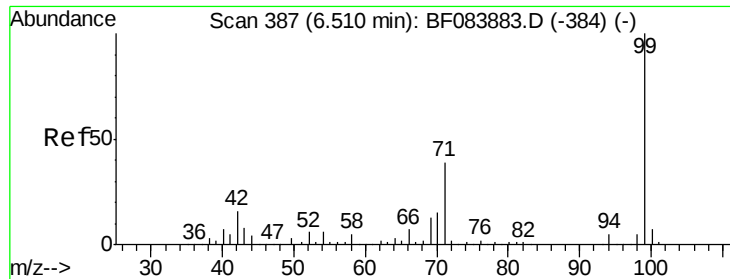
Tgt Ion:152 Resp: 73471
 Ion Ratio Lower Upper
 152 100
 150 147.5 123.0 184.4
 115 54.0 51.4 77.2



#5
 2-Fluorophenol
 Concen: 40.95 ng
 RT: 5.46 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Tgt Ion:112 Resp: 192229
 Ion Ratio Lower Upper
 112 100
 64 58.6 36.6 55.0#
 63 30.8 19.4 29.0#





#7

Phenol-d6

Concen: 26.53 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Instrument :

BNA_F

ClientSampleId :

TEC-18

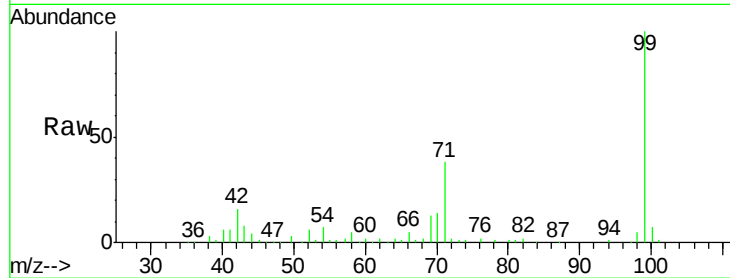
Tgt Ion: 99 Resp: 152468

Ion Ratio Lower Upper

99 100

42 15.6 12.8 19.2

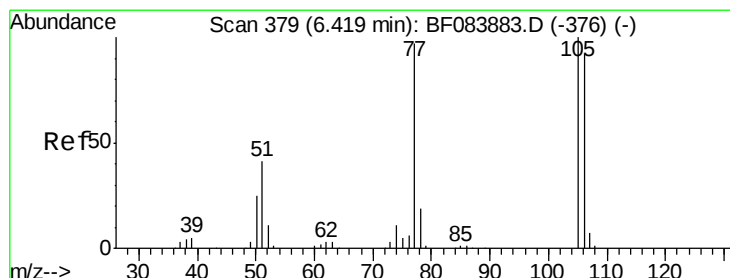
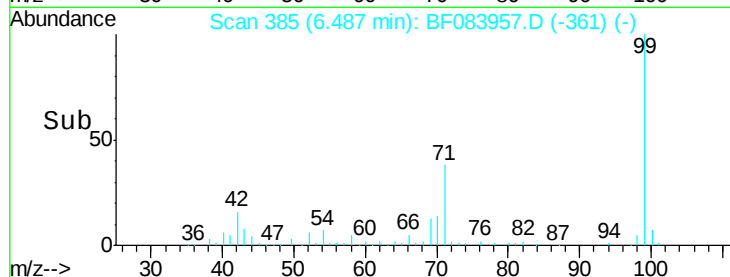
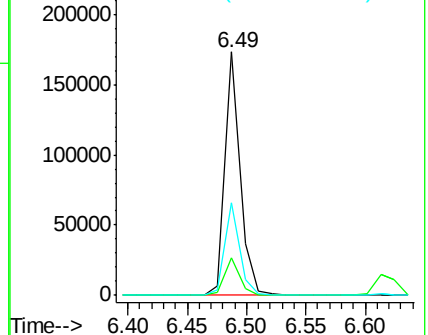
71 38.0 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.70 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.05 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

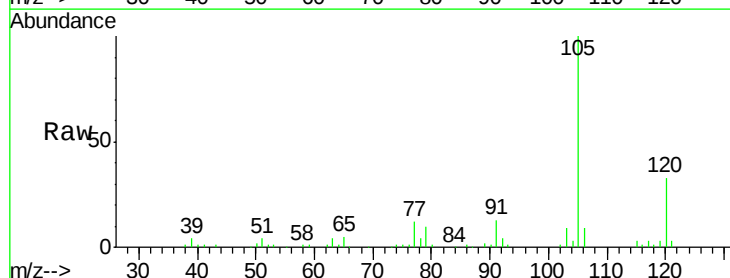
Tgt Ion: 77 Resp: 16282

Ion Ratio Lower Upper

77 100

105 854.7 83.0 123.0#

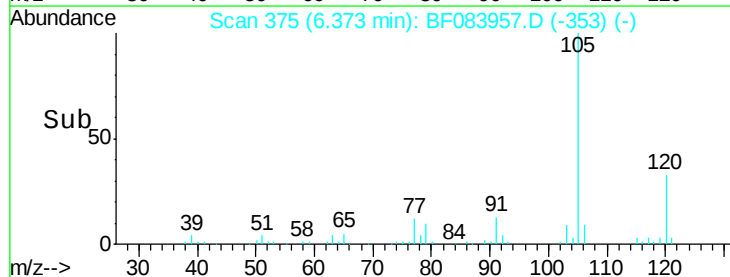
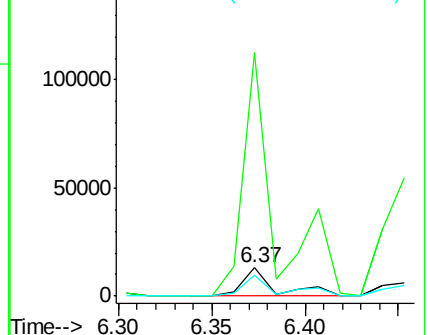
106 74.4 74.6 114.6#

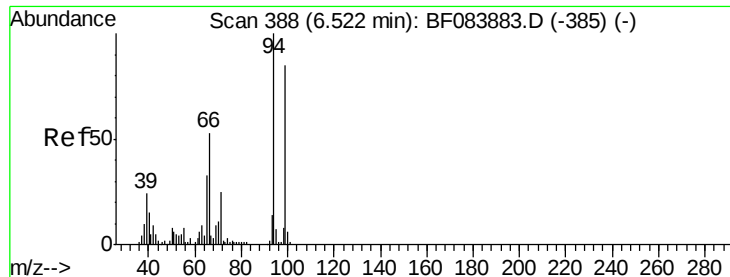


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 5.98 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Instrument :

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TEC-18

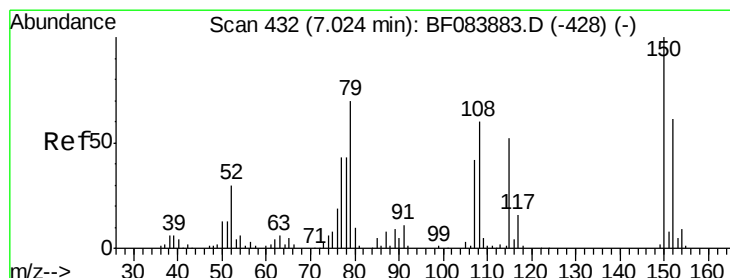
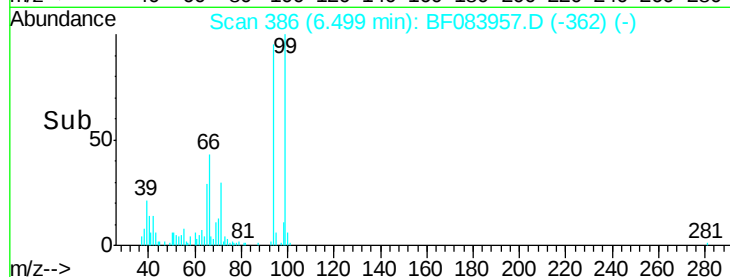
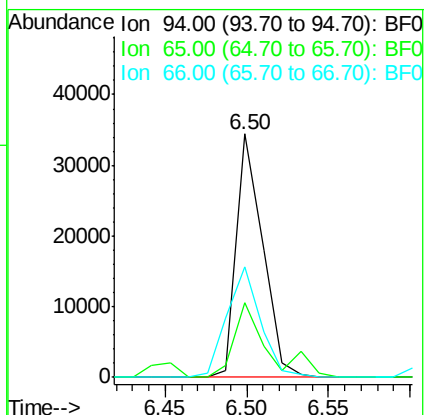
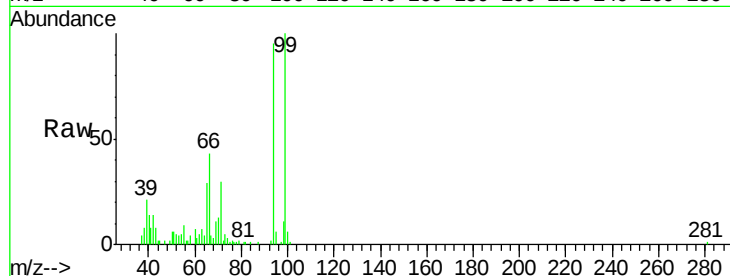
Tgt Ion: 94 Resp: 38323

Ion Ratio Lower Upper

94 100

65 30.9 12.9 52.9

66 45.4 32.7 72.7



#15

Benzyl Alcohol

Concen: 3.03 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

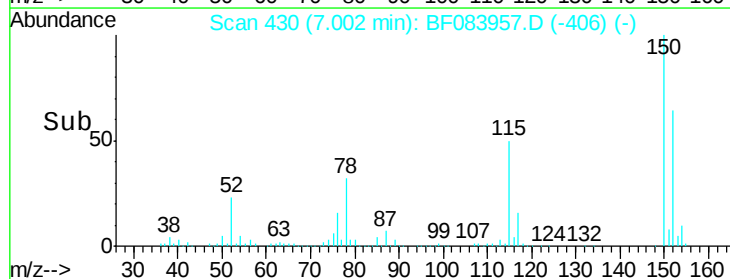
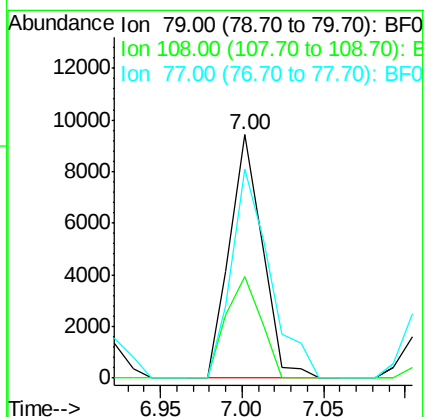
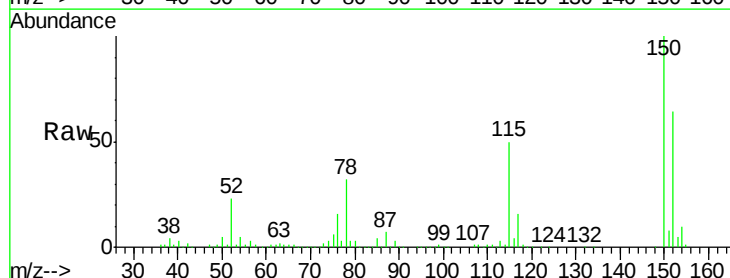
Tgt Ion: 79 Resp: 13173

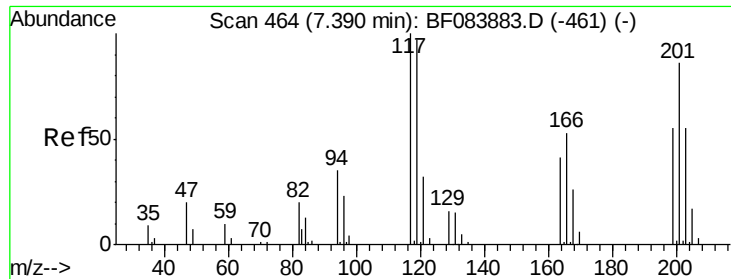
Ion Ratio Lower Upper

79 100

108 41.8 69.0 103.4#

77 86.0 50.0 75.0#

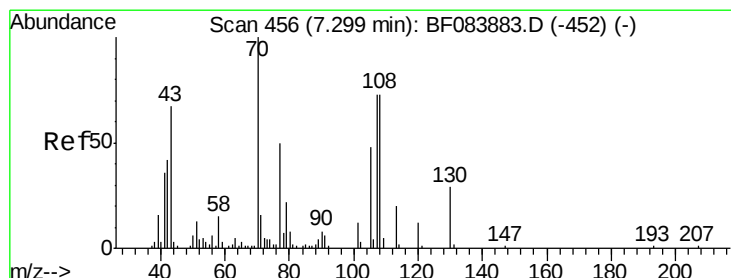
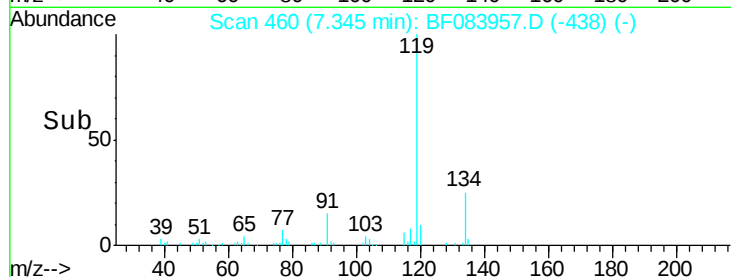
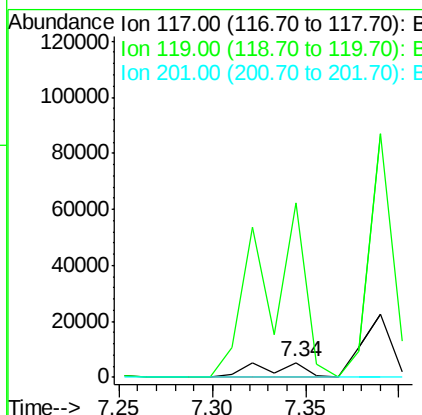
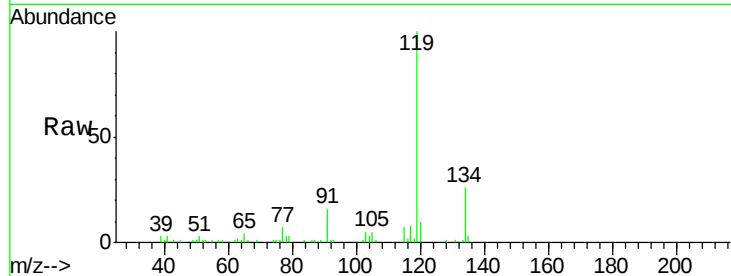




#18
 Hexachloroethane
 Concen: 3.95 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.05 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

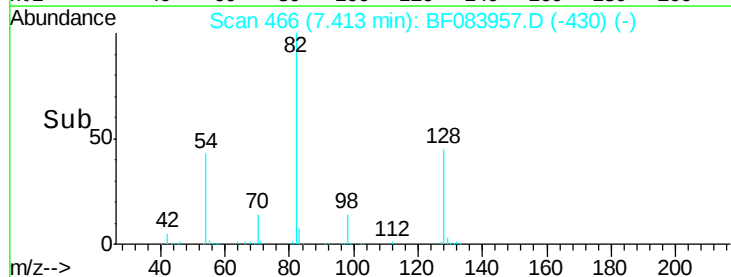
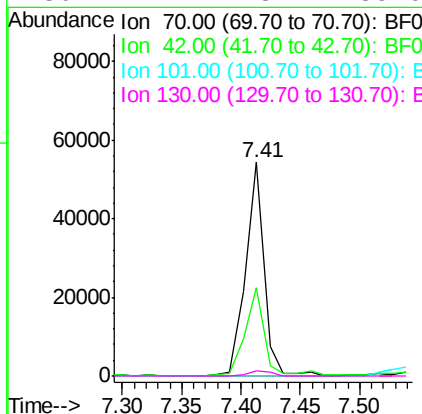
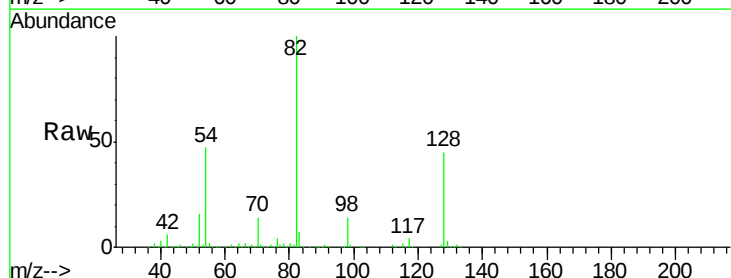
Instrument :
 BNA_F
 ClientSampleId :
 TEC-18

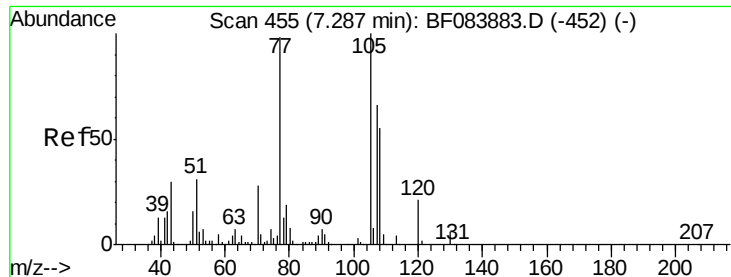
Tgt Ion: 117 Resp: 8901
 Ion Ratio Lower Upper
 117 100
 119 1186.0 77.4 116.0#
 201 0.0 68.6 103.0#



#19
 n-Nitroso-di-n-propylamine
 Concen: 17.76 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.11 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Tgt Ion: 70 Resp: 59500
 Ion Ratio Lower Upper
 70 100
 42 41.2 33.3 49.9
 101 0.0 9.3 13.9#
 130 2.4 23.4 35.0#





#20

3+4-Methylphenols

Concen: 2.09 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Instrument :

BNA_F

ClientSampleId :

TEC-18

Tgt Ion:107 Resp: 10768

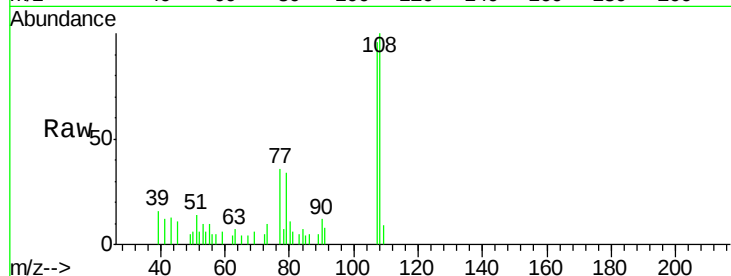
Ion Ratio Lower Upper

107 100

108 104.1 64.1 104.1

77 37.8 128.9 168.9#

79 34.9 9.6 49.6



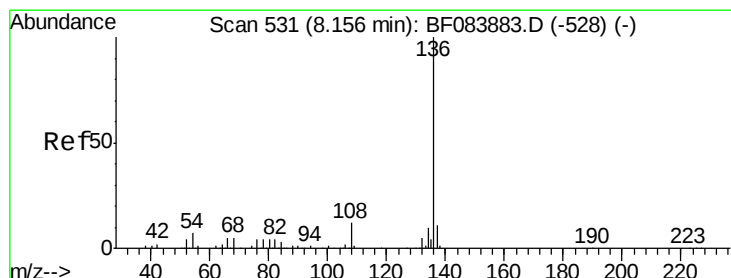
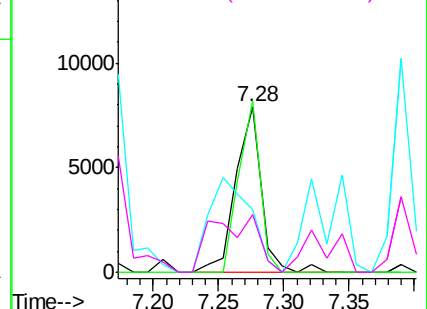
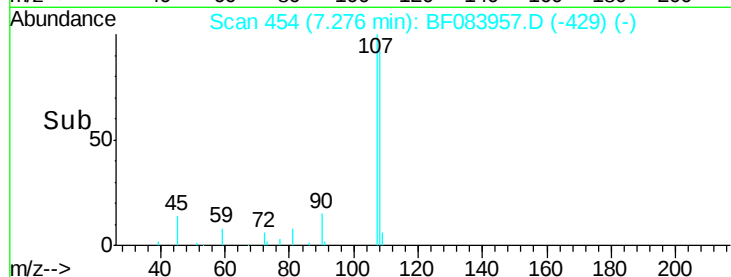
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Tgt Ion:136 Resp: 325473

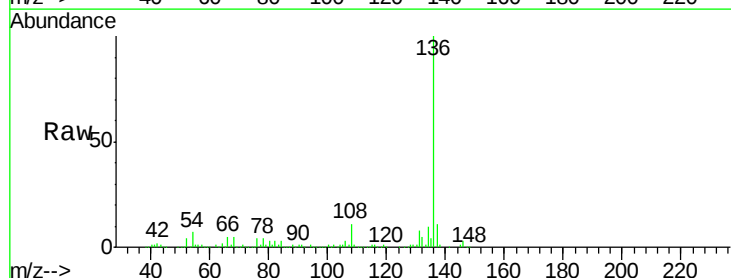
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 6.6 5.8 8.8

68 4.9 4.2 6.2



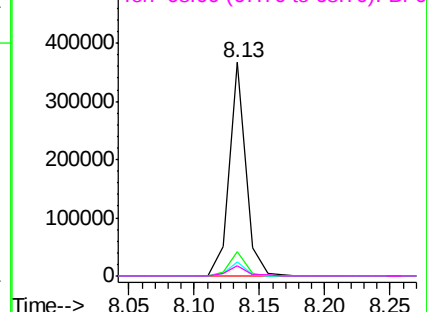
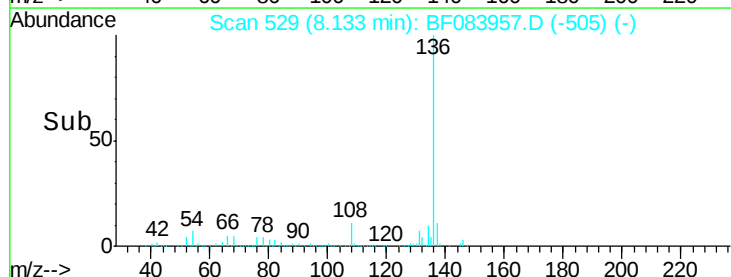
Abundance

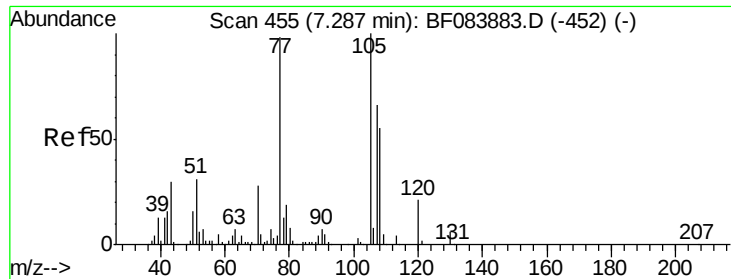
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 4.39 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.03 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Instrument :

BNA_F

ClientSampleId :

TEC-18

Tgt Ion:105 Resp: 34411

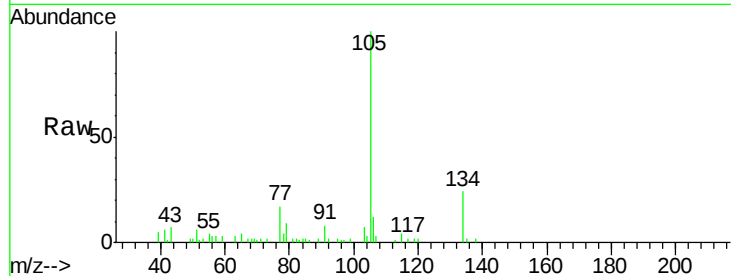
Ion Ratio Lower Upper

105 100

71 2.4 3.7 5.5#

51 5.8 25.1 37.7#

120 2.2 16.6 25.0#

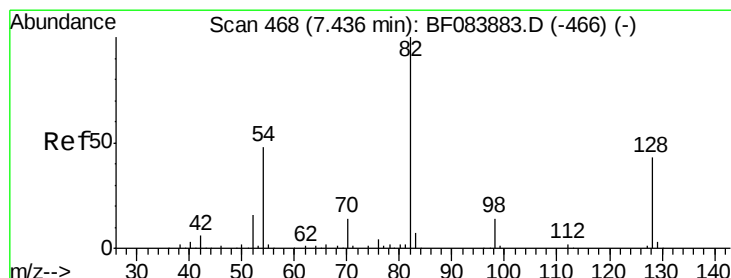
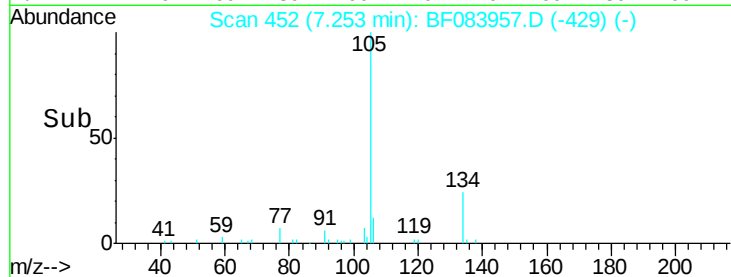
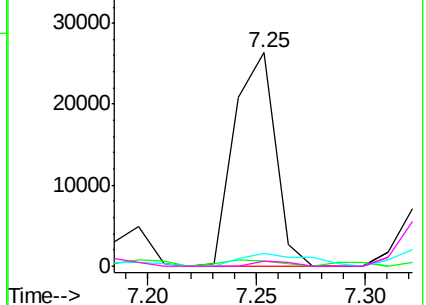


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 73.23 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.02 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

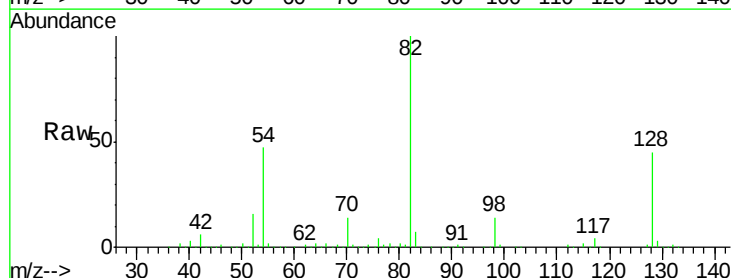
Tgt Ion: 82 Resp: 417639

Ion Ratio Lower Upper

82 100

128 45.4 34.6 51.8

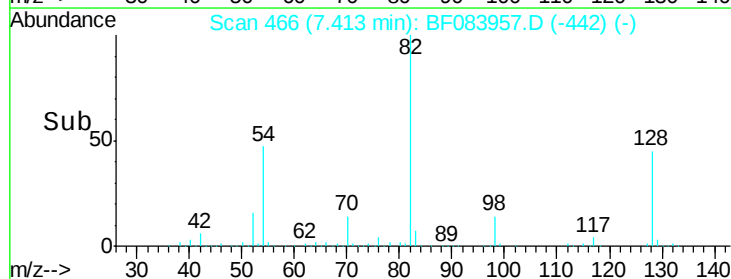
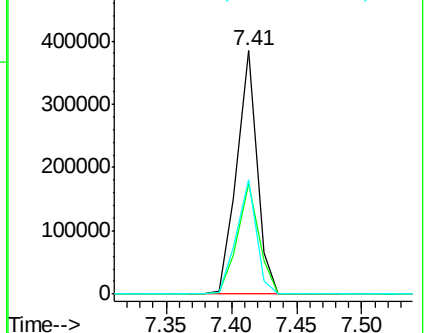
54 47.1 38.4 57.6

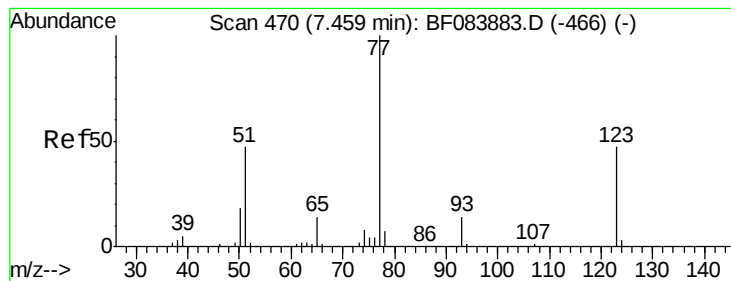


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.41 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.07 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Instrument :

BNA_F

ClientSampleId :

TEC-18

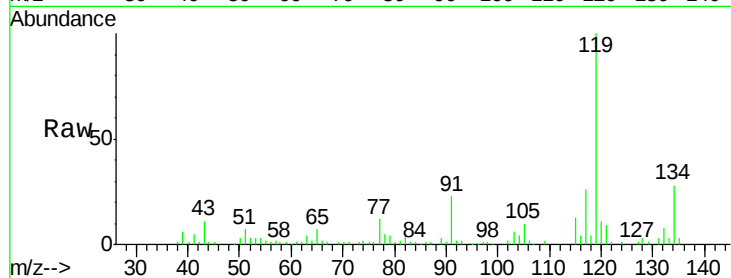
Tgt Ion: 77 Resp: 14236

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

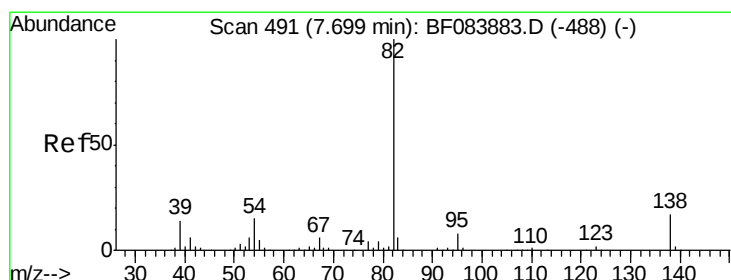
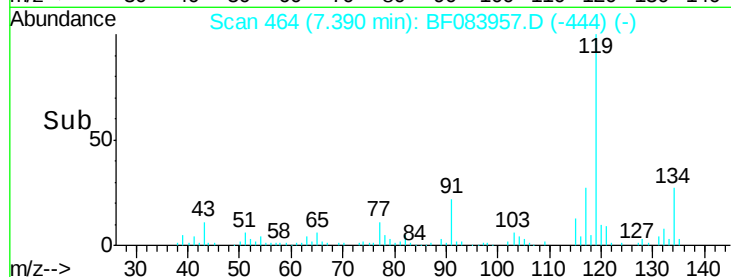
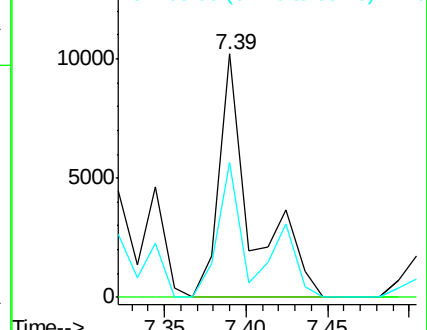
65 55.6 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 28.82 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.29 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

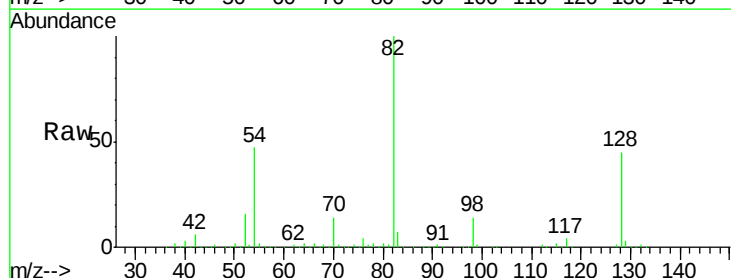
Tgt Ion: 82 Resp: 309232

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

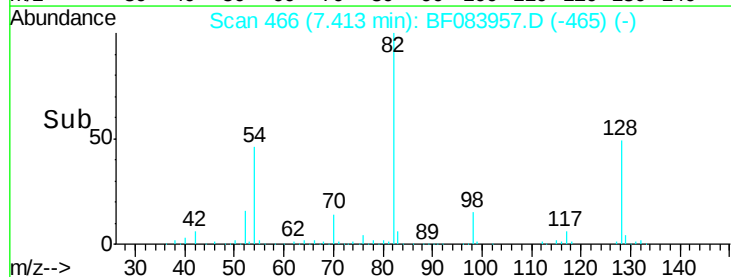
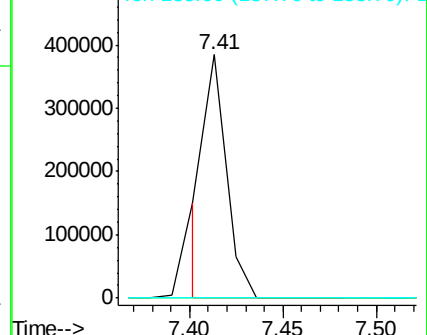
138 0.0 13.6 20.4#

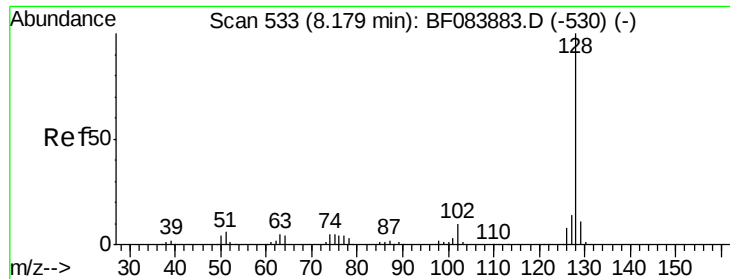


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

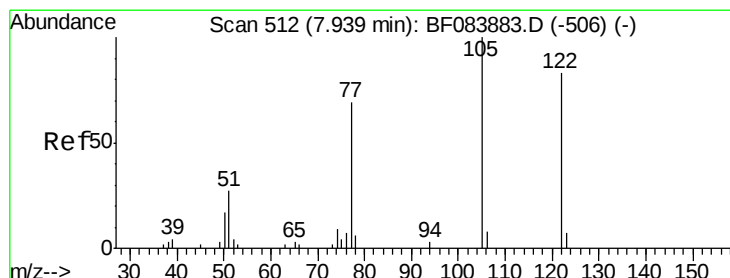
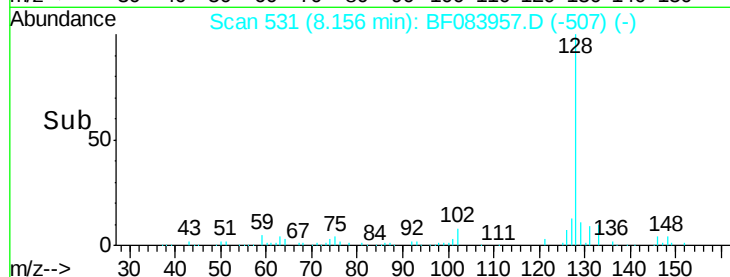
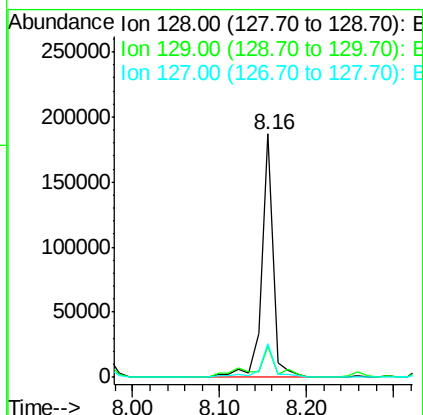
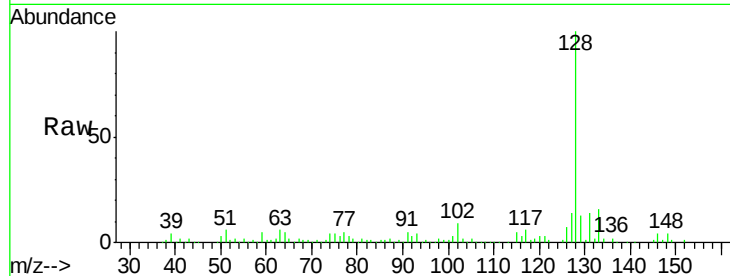




#31
Naphthalene
Concen: 9.05 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF083957.D
Acq: 19 Dec 2015 16:29

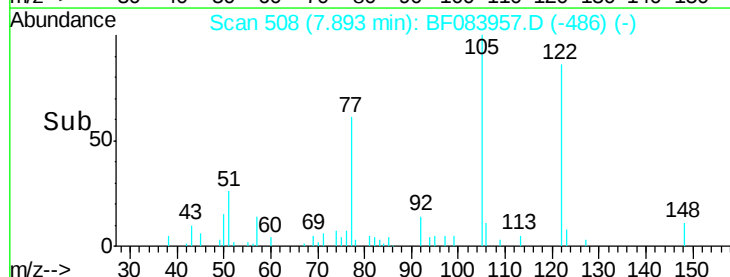
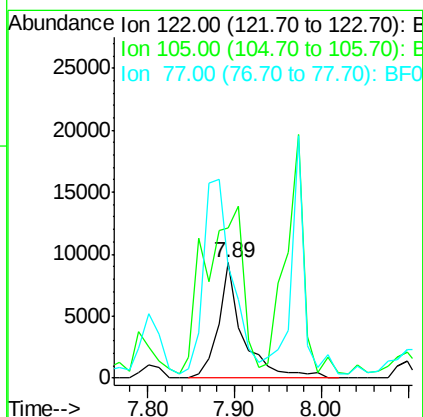
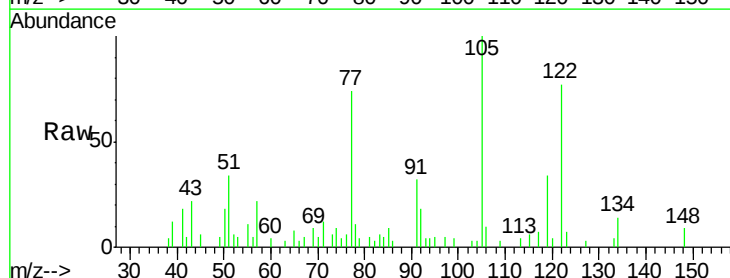
Instrument :
BNA_F
ClientSampleId :
TEC-18

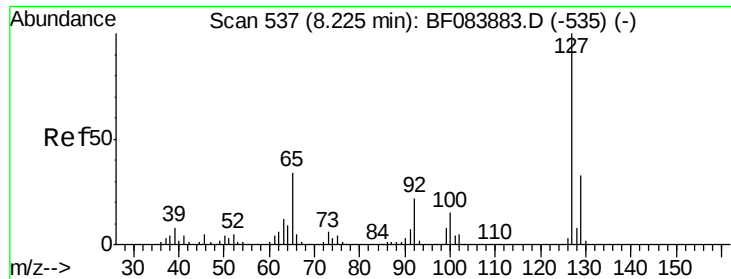
Tgt Ion:128 Resp: 177221
Ion Ratio Lower Upper
128 100
129 13.0 9.1 13.7
127 13.8 11.1 16.7



#32
Benzoic acid
Concen: 13.72 ng
RT: 7.89 min Scan# 508
Delta R.T. -0.04 min
Lab File: BF083957.D
Acq: 19 Dec 2015 16:29

Tgt Ion:122 Resp: 18384
Ion Ratio Lower Upper
122 100
105 130.7 100.3 140.3
77 97.3 63.5 103.5

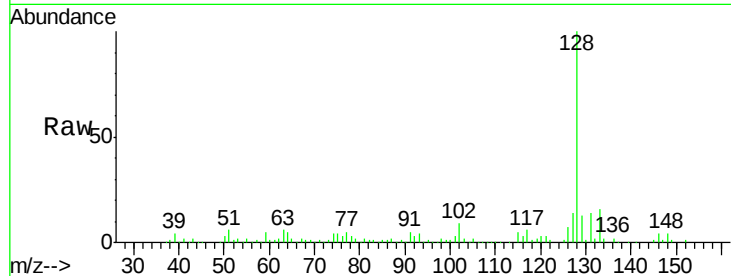




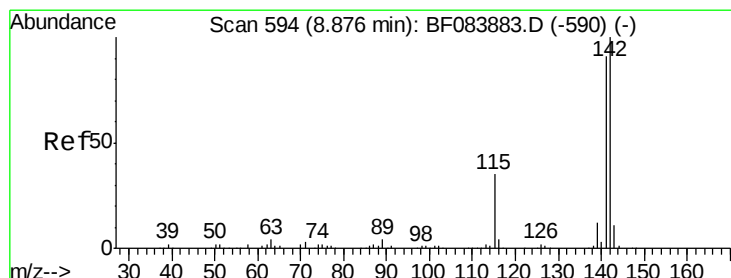
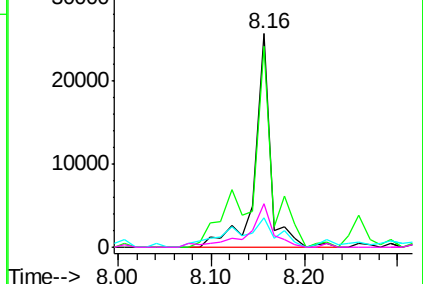
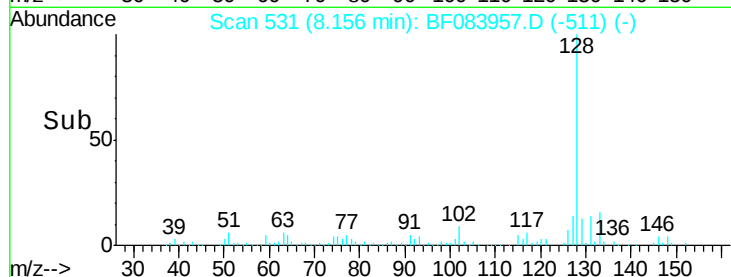
#33
 4-Chloroaniline
 Concen: 4.01 ng
 RT: 8.16 min Scan# 531
 Delta R.T. -0.07 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-18

Tgt Ion:	127	Resp:	29625
Ion	Ratio	Lower	Upper
127	100		
129	94.2	26.5	39.7#
65	13.6	27.2	40.8#
92	20.4	17.7	26.5

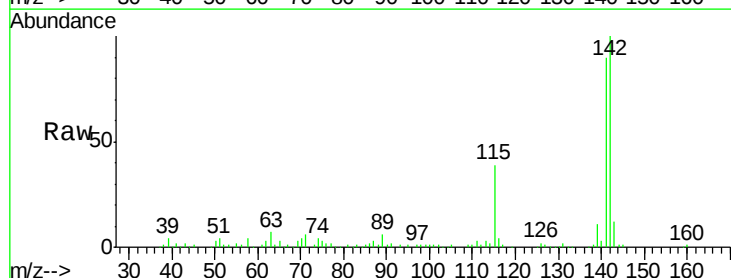


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

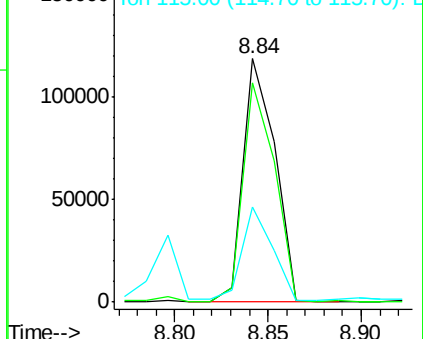
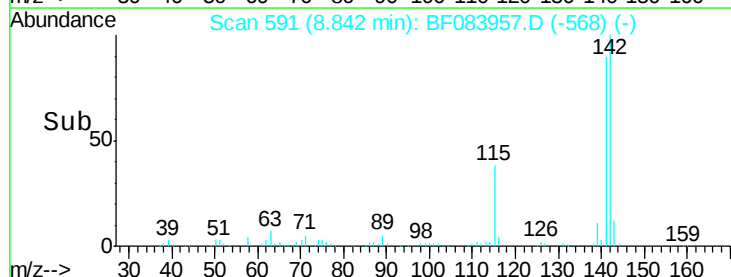


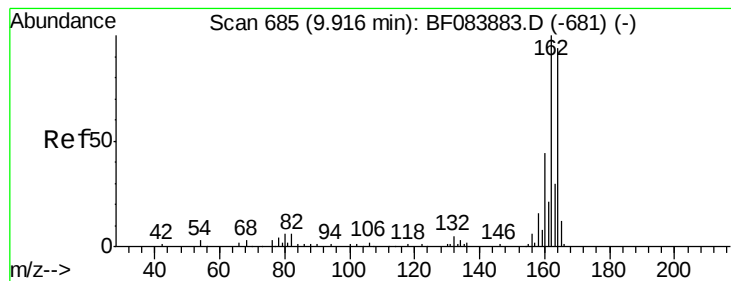
#37
 2-Methylnaphthalene
 Concen: 12.42 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.03 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Tgt Ion:	142	Resp:	140530
Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.4	108.6
115	39.1	27.9	41.9



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Instrument :

BNA_F

ClientSampleId :

TEC-18

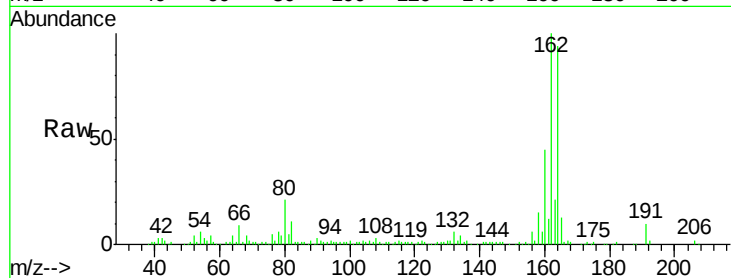
Tgt Ion:164 Resp: 146289

Ion Ratio Lower Upper

164 100

162 106.8 85.1 127.7

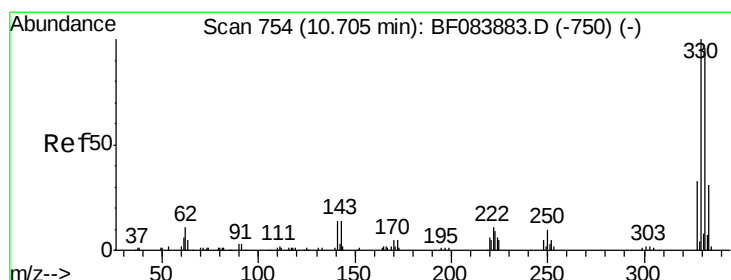
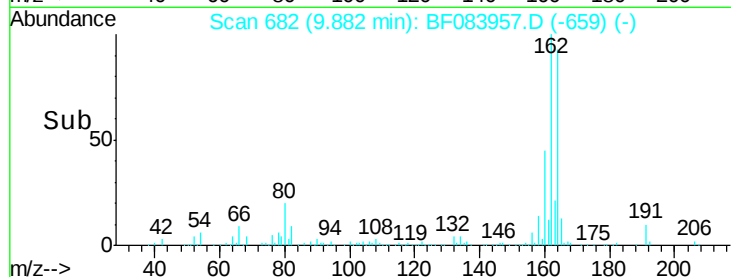
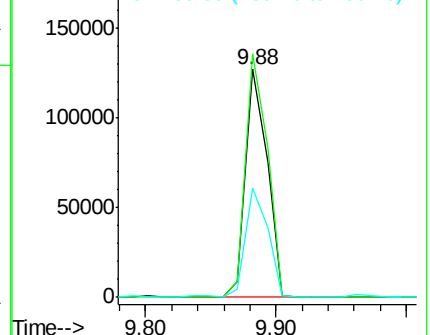
160 48.1 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 89.10 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

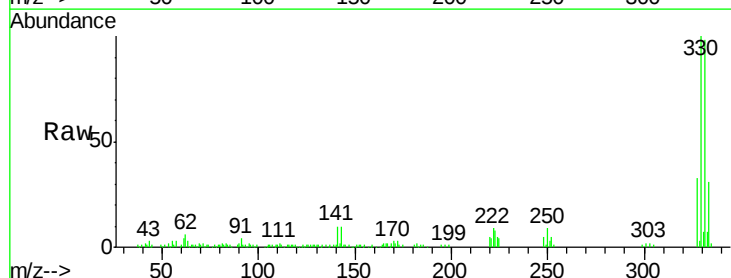
Tgt Ion:330 Resp: 143595

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

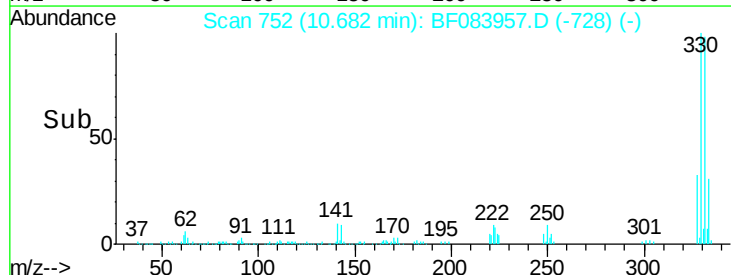
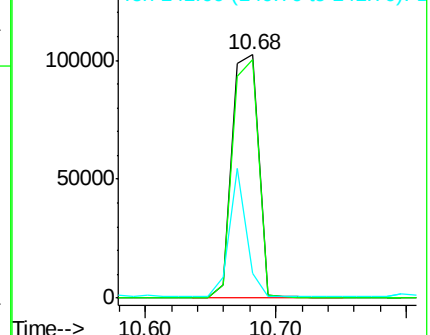
141 34.7 27.8 41.6

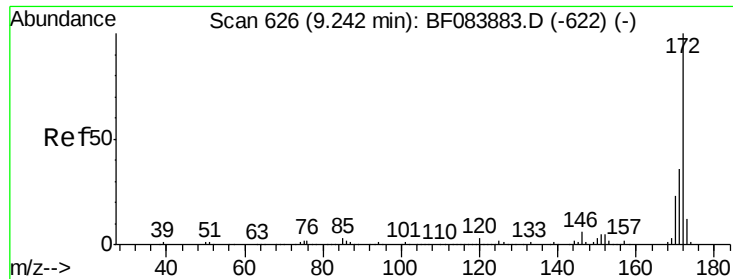


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

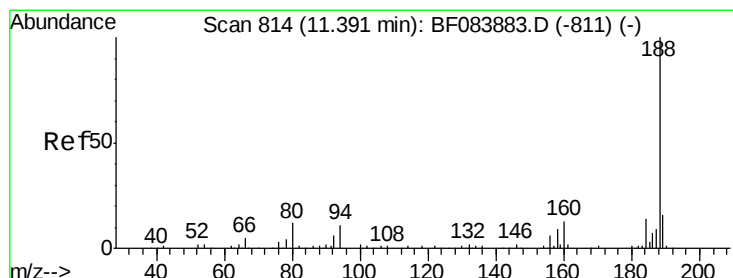
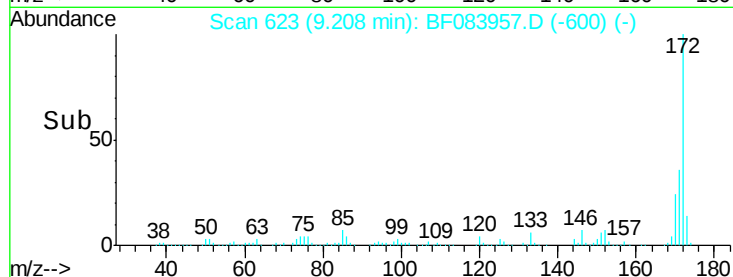
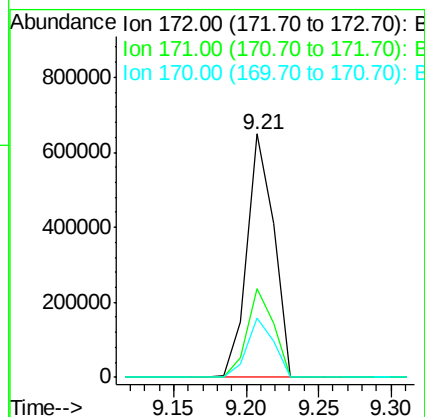
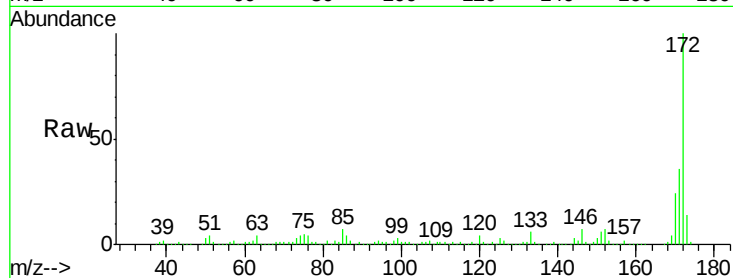




#44
 2-Fluorobiphenyl
 Concen: 79.39 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

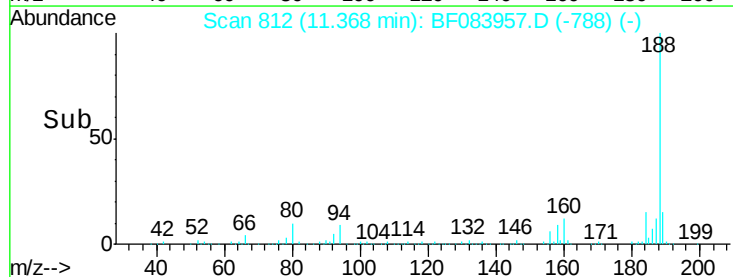
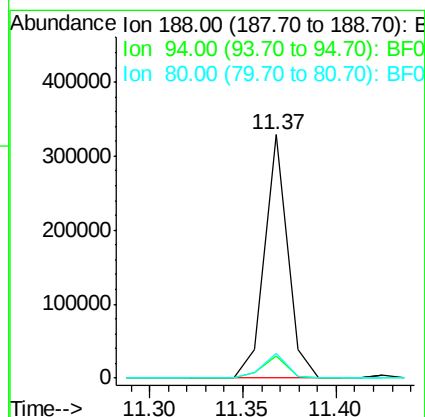
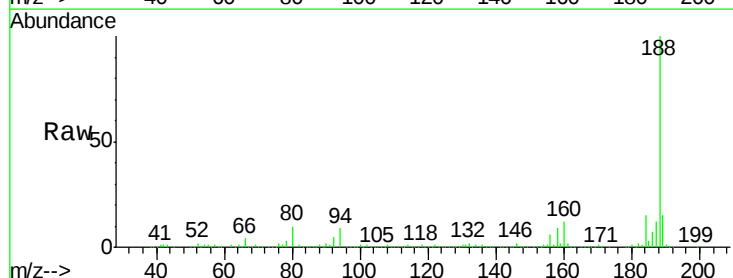
Instrument :
 BNA_F
 ClientSampleId :
 TEC-18

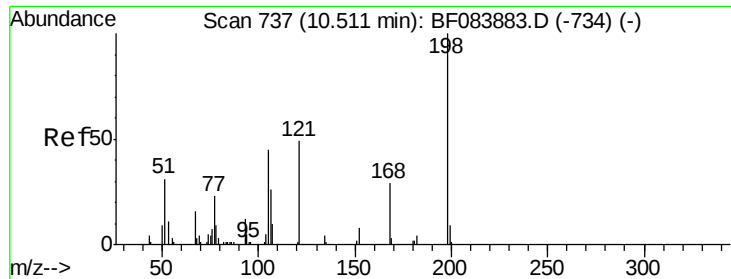
Tgt Ion:172 Resp: 835746
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.1 18.6 27.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Tgt Ion:188 Resp: 278900
 Ion Ratio Lower Upper
 188 100
 94 9.1 9.0 13.4
 80 10.0 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 4.06 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.16 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

Instrument :

BNA_F

ClientSampleId :

TEC-18

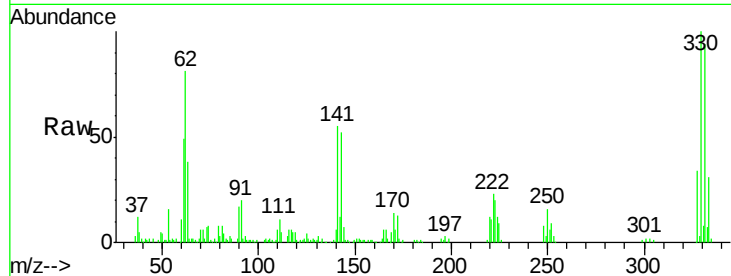
Tgt Ion:198 Resp: 247

Ion Ratio Lower Upper

198 100

51 306.9 18.9 58.9#

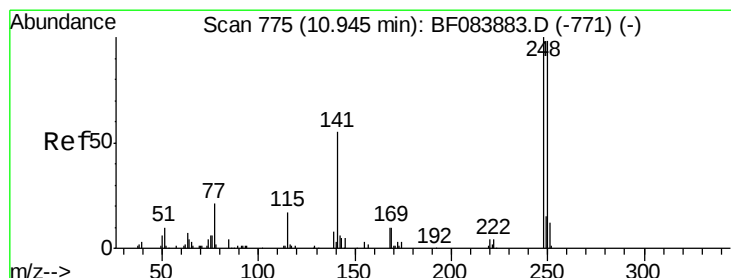
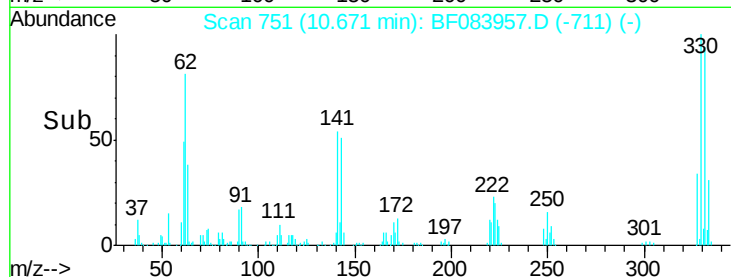
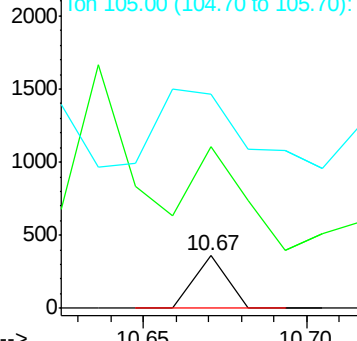
105 405.8 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.68 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083957.D

Acq: 19 Dec 2015 16:29

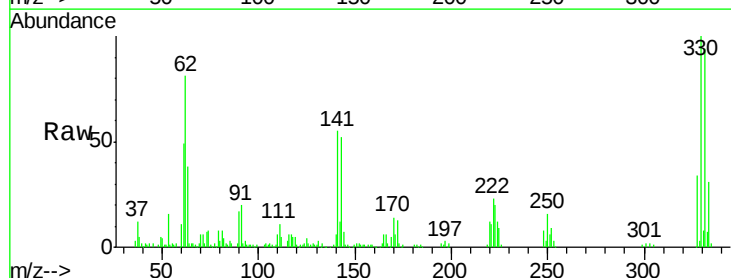
Tgt Ion:248 Resp: 9155

Ion Ratio Lower Upper

248 100

250 197.9 78.4 117.6#

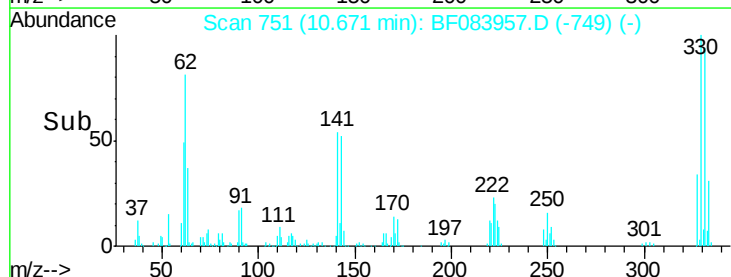
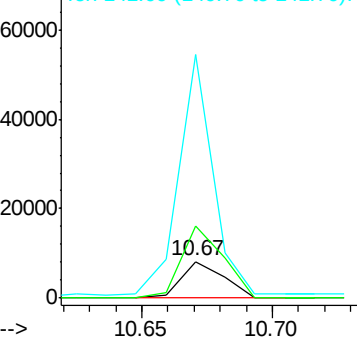
141 667.9 44.0 66.0#

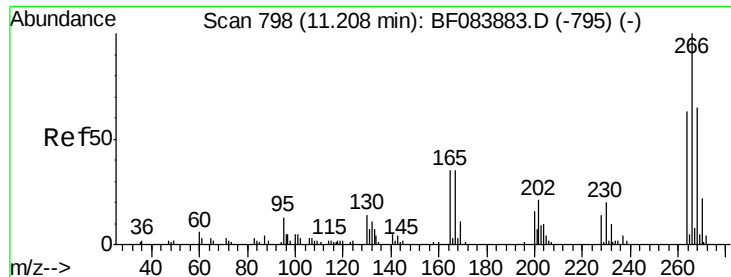


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

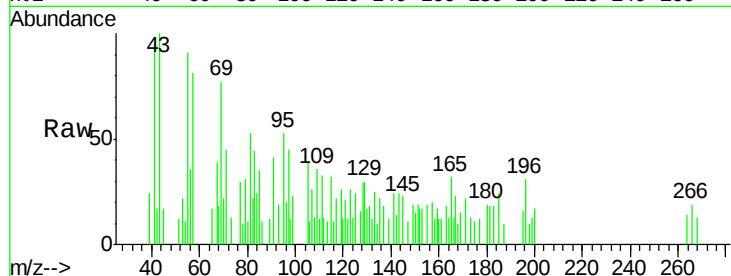




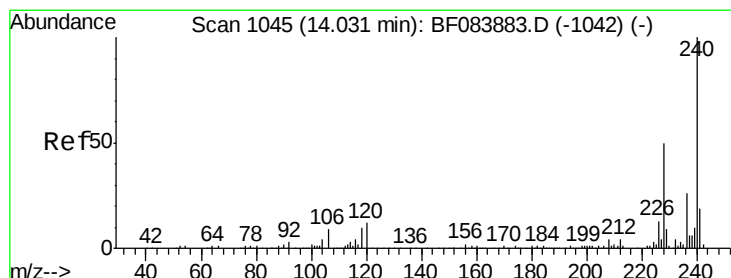
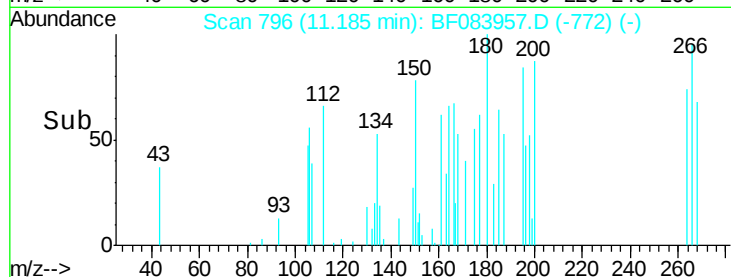
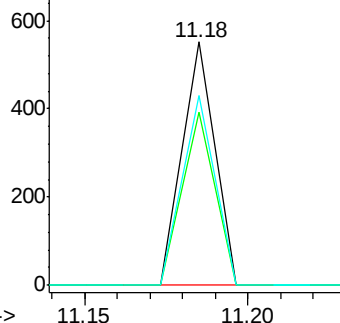
#69
 Pentachlorophenol
 Concen: 4.95 ng
 RT: 11.18 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-18

Tgt Ion:266 Resp: 379
 Ion Ratio Lower Upper
 266 100
 268 71.2 52.4 78.6
 264 77.7 50.2 75.2#

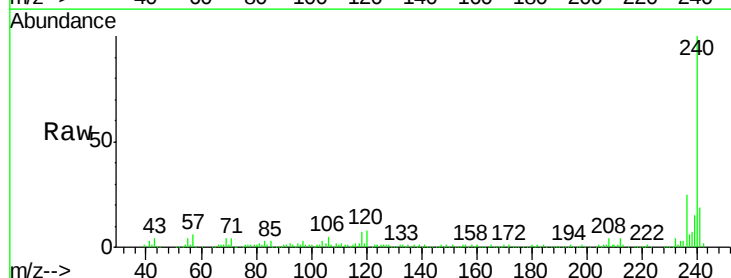


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

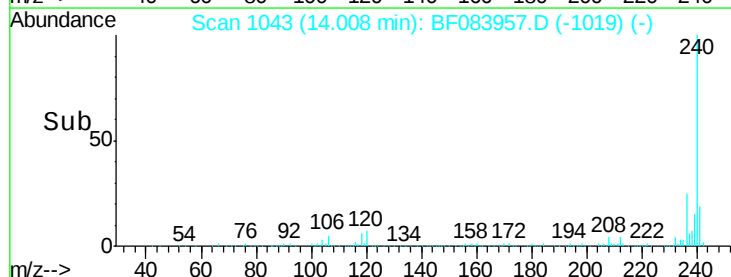
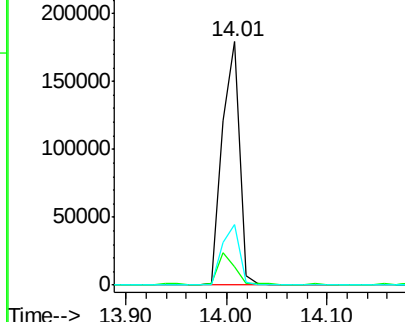


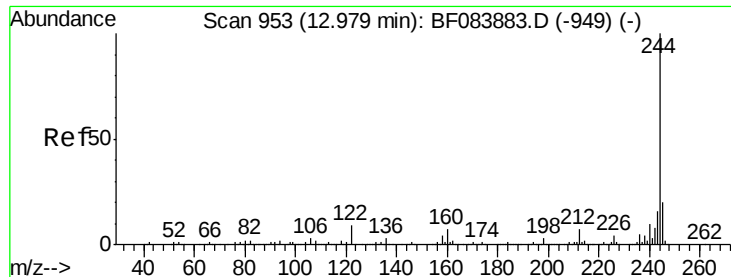
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.02 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Tgt Ion:240 Resp: 214192
 Ion Ratio Lower Upper
 240 100
 120 7.5 9.5 14.3#
 236 25.1 20.6 31.0



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

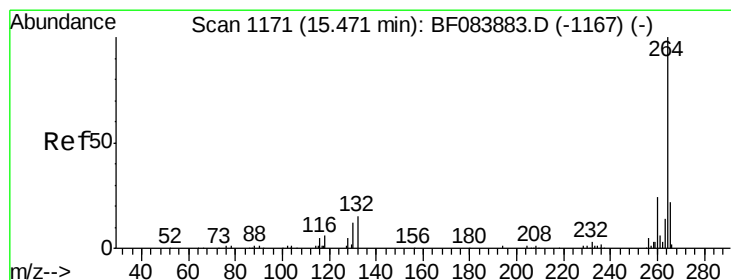
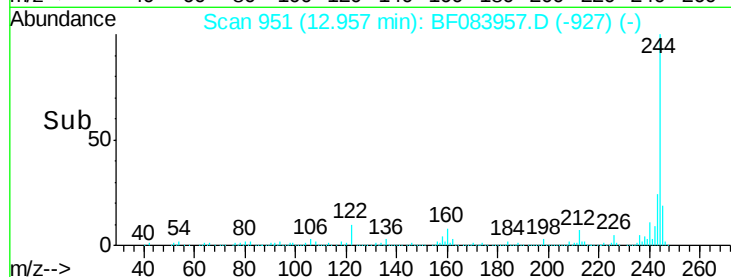
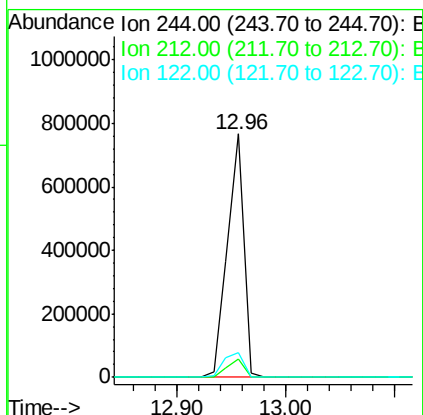
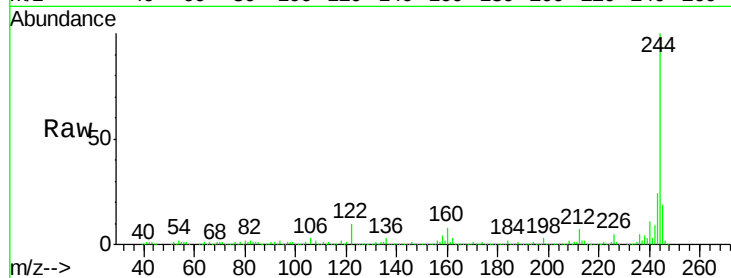




#78
 Terphenyl-d14
 Concen: 87.61 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-18

Tgt Ion:244 Resp: 800837
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 10.0 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083957.D
 Acq: 19 Dec 2015 16:29

Tgt Ion:264 Resp: 167366
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.9 17.8 26.6

