

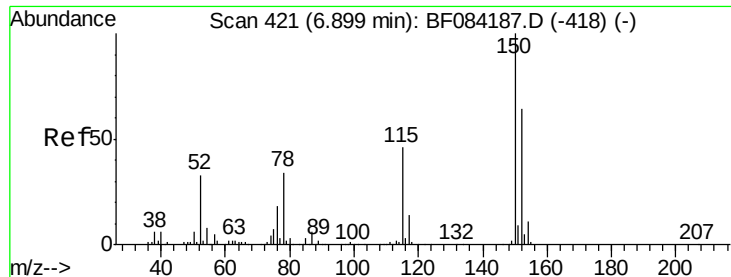
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084243.D
 Acq On : 4 Jan 2016 17:12
 Operator : UM/SJ
 Sample : G4981-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0534

Quant Time: Jan 05 06:41:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	307589	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1146918	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	516432	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	798247	20.00	ng	0.00
75) Chrysene-d12	14.07	240	602725	20.00	ng	0.00
86) Perylene-d12	15.51	264	517306	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	789371	41.51	ng	0.01
7) Phenol-d6	6.56	99	675495	28.28	ng	0.02
23) Nitrobenzene-d5	7.46	82	1461899	70.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	429841	82.44	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2064811	69.16	ng	0.00
78) Terphenyl-d14	13.01	244	1296027	48.00	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.57	94	64201	2.36	ng	80
17) 2-Methylphenol	7.17	107	84918	4.70	ng	# 81
20) 3+4-Methylphenols	7.33	107	563667	26.52	ng	86
22) Acetophenone	7.31	105	667916	24.22	ng	# 97
27) 2,4-Dimethylphenol	7.86	122	231841	12.04	ng	95
31) Naphthalene	8.21	128	1767267	33.96	ng	99
37) 2-Methylnaphthalene	8.90	142	261229	6.99	ng	# 96
49) Dimethylphthalate	9.66	163	131735	3.57	ng	# 66

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

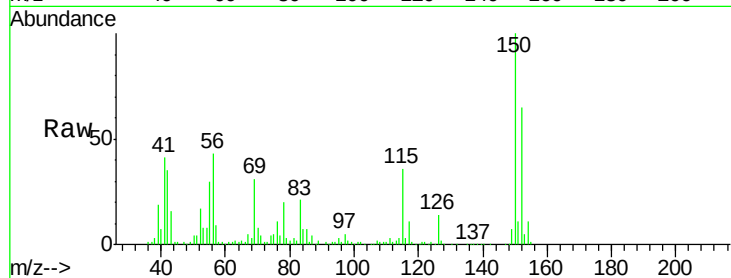


#1

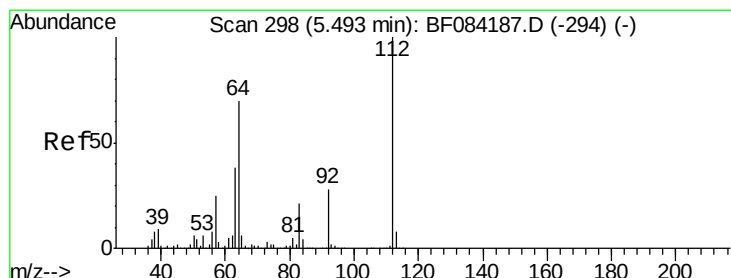
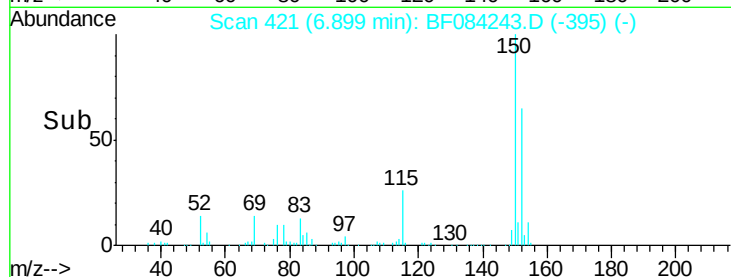
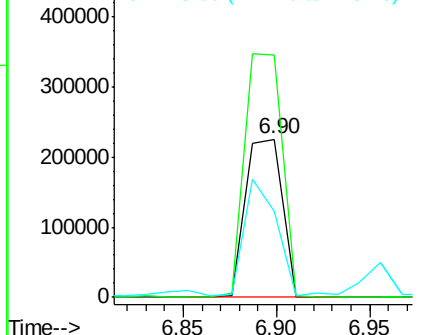
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF084243.D
Acq: 4 Jan 2016 17:12

Instrument :
BNA_F
ClientSampleId :
S8-0534

Tot Ion	152	Resp	307589
Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.0	184.4
115	54.9	51.4	77.2



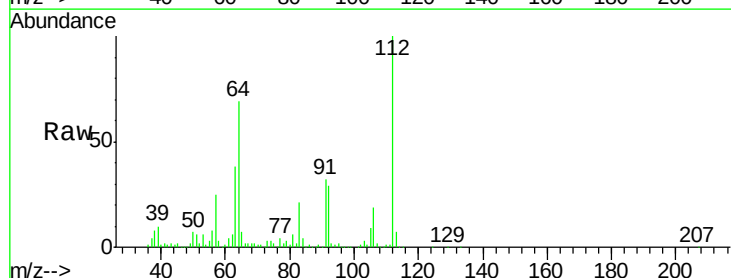
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



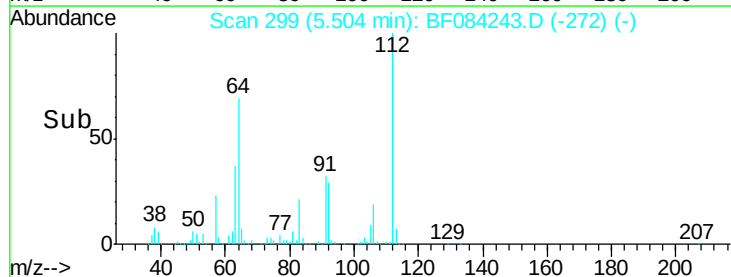
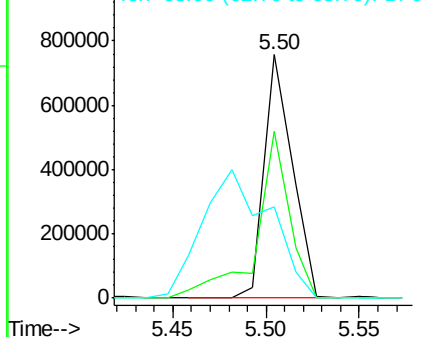
#5

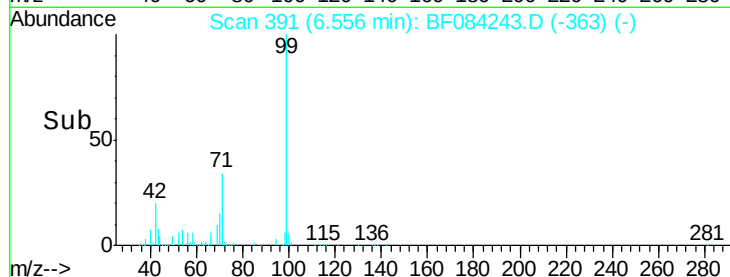
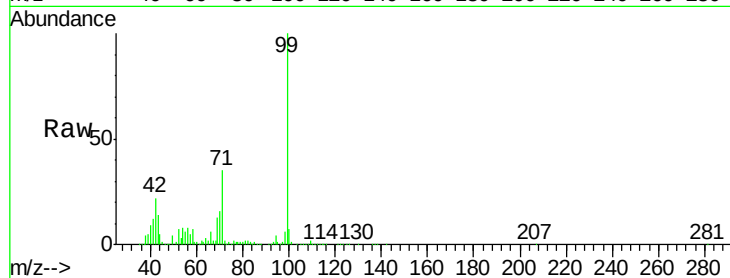
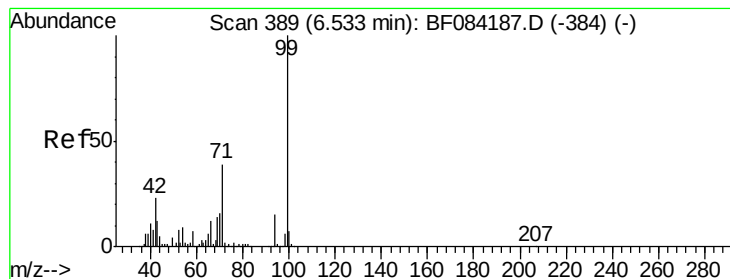
2-Fluorophenol
Concen: 41.51 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.01 min
Lab File: BF084243.D
Acq: 4 Jan 2016 17:12

Tgt Ion	112	Resp	789371
Ion	Ratio	Lower	Upper
112	100		
64	68.8	36.6	55.0#
63	37.6	19.4	29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.28 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.02 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Instrument :

BNA_F

ClientSampleId :

S8-0534

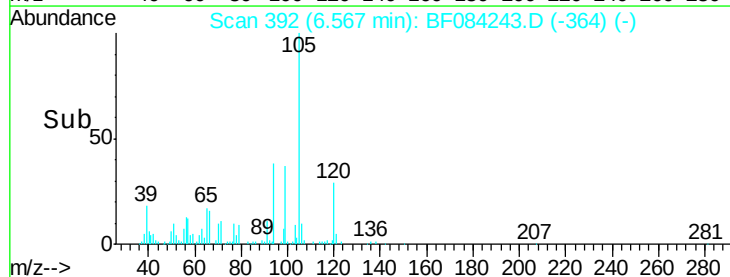
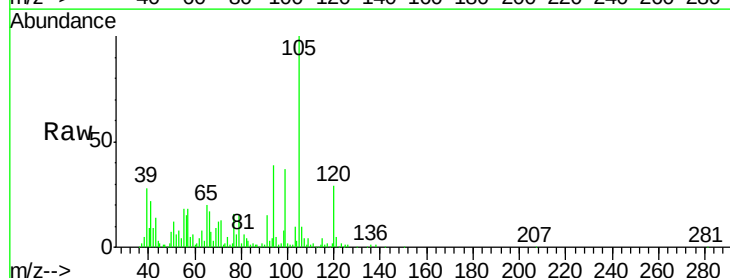
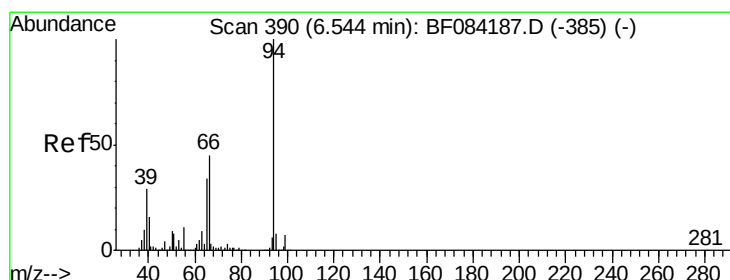
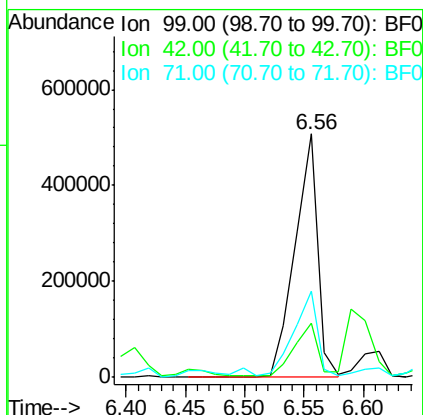
Tot Ion: 99 Resp: 675495

Ion Ratio Lower Upper

99 100

42 22.0 12.8 19.2#

71 35.2 30.9 46.3



#10

Phenol

Concen: 2.36 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.02 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

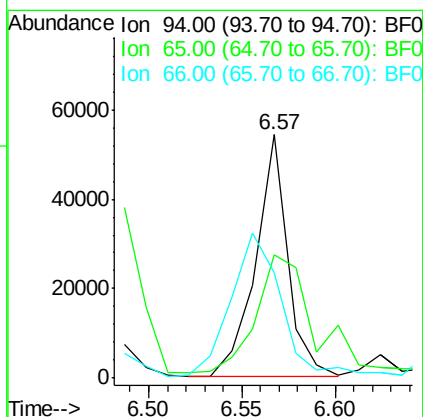
Tgt Ion: 94 Resp: 64201

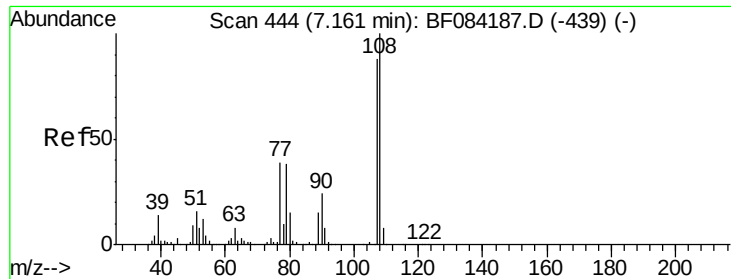
Ion Ratio Lower Upper

94 100

65 50.7 12.9 52.9

66 43.4 32.7 72.7

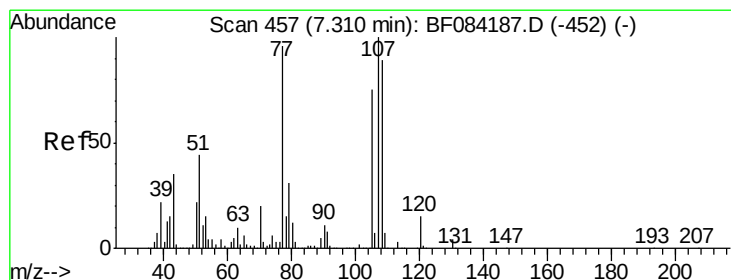
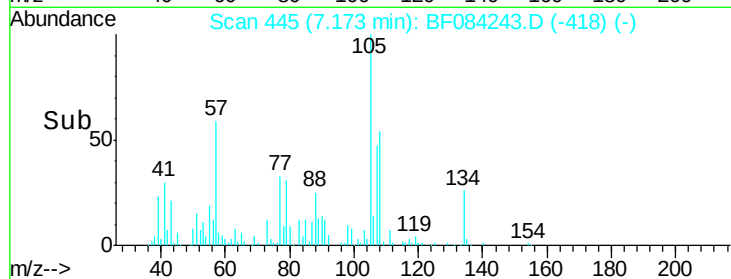
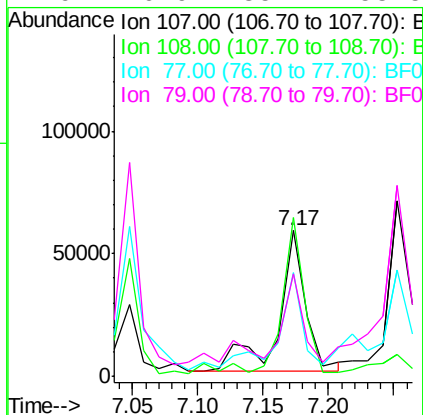
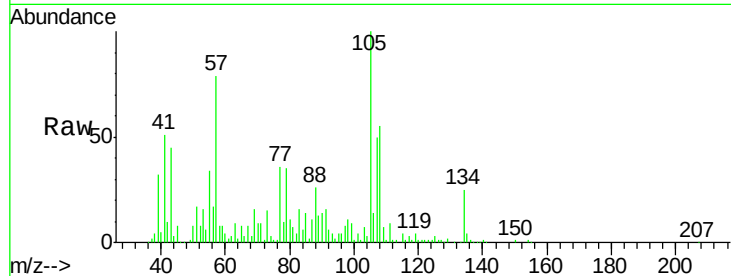




#17
2-Methylphenol
Concen: 4.70 ng
RT: 7.17 min Scan# 445
Delta R.T. 0.01 min
Lab File: BF084243.D
Acq: 4 Jan 2016 17:12

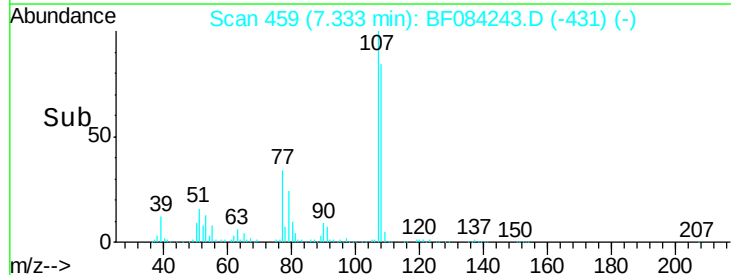
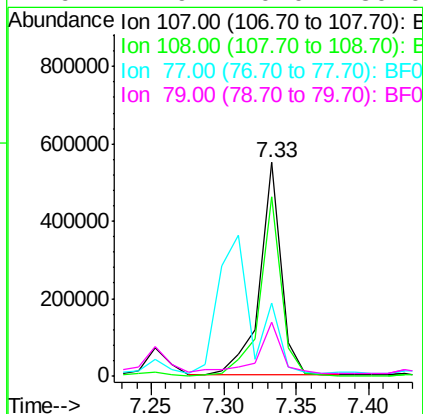
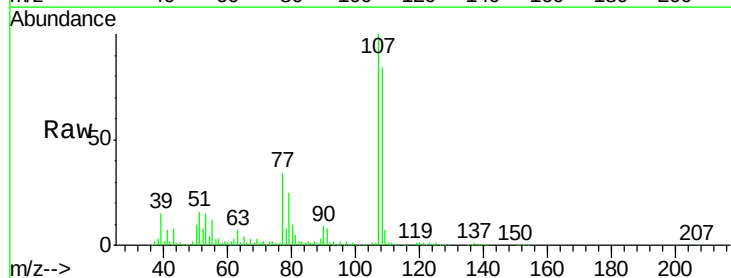
Instrument :
BNA_F
ClientSampleId :
S8-0534

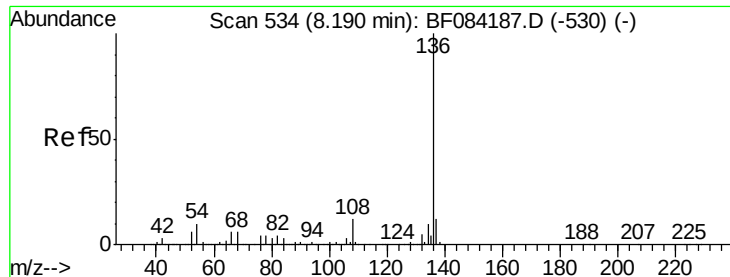
Tot Ion:107 Resp: 84918
Ion Ratio Lower Upper
107 100
108 109.6 89.8 134.6
77 71.5 35.7 53.5#
79 70.9 35.7 53.5#



#20
3+4-Methylphenols
Concen: 26.52 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.02 min
Lab File: BF084243.D
Acq: 4 Jan 2016 17:12

Tgt Ion:107 Resp: 563667
Ion Ratio Lower Upper
107 100
108 84.1 74.6 114.6
77 34.1 0.7 40.7
79 24.9 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Instrument :

BNA_F

ClientSampleId :

S8-0534

Tot Ion:136 Resp: 1146918

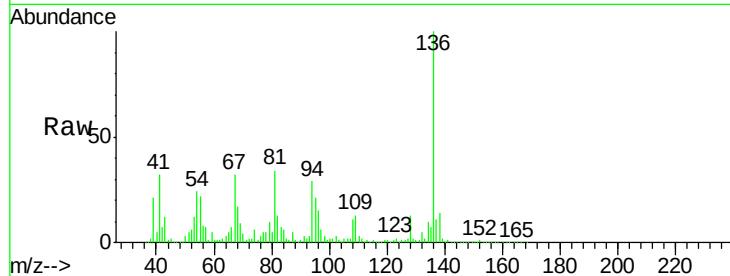
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 23.6 5.8 8.8#

68 17.1 4.2 6.2#

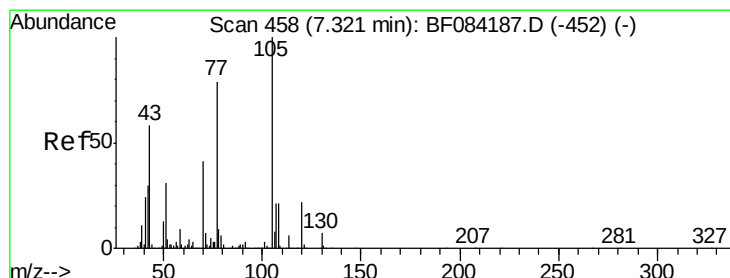
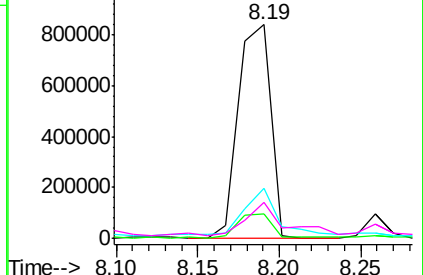
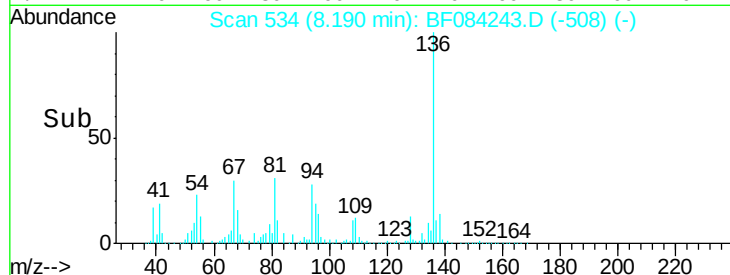


Abundance Ion 136.00 (135.70 to 136.70): E

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: 24.22 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Tgt Ion:105 Resp: 667916

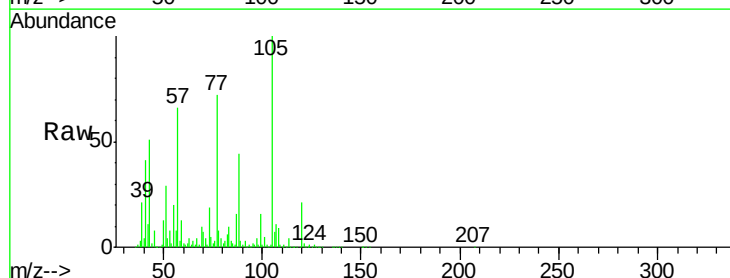
Ion Ratio Lower Upper

105 100

71 3.5 3.7 5.5#

51 28.9 25.1 37.7

120 21.4 16.6 25.0

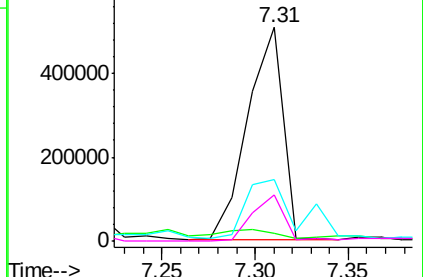
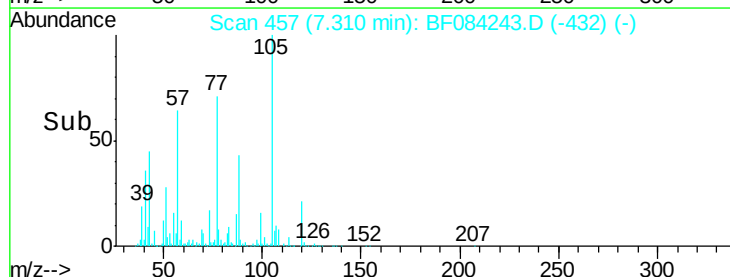


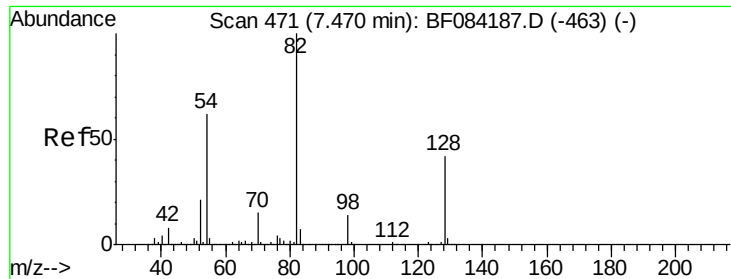
Abundance Ion 105.00 (104.70 to 105.70): E

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: 70.94 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Instrument :

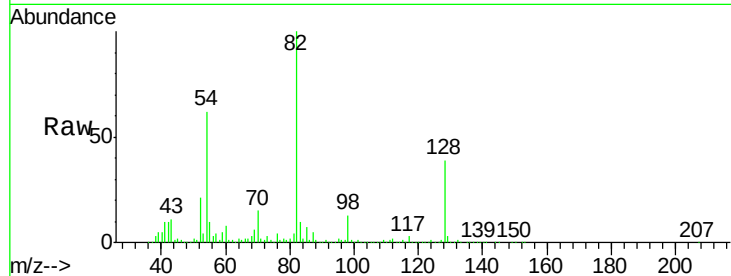
BNA_F

ClientSampleId :

S8-0534

Tot Ion: 82 Resp: 1461899

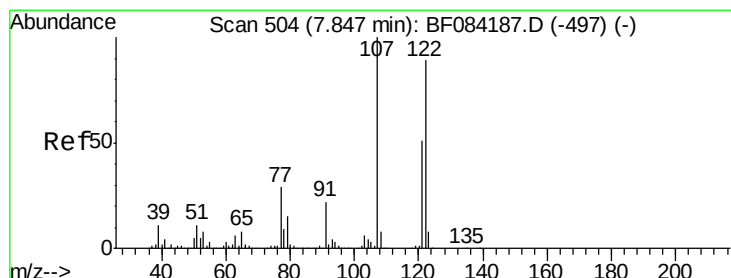
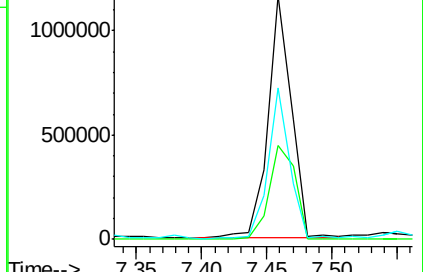
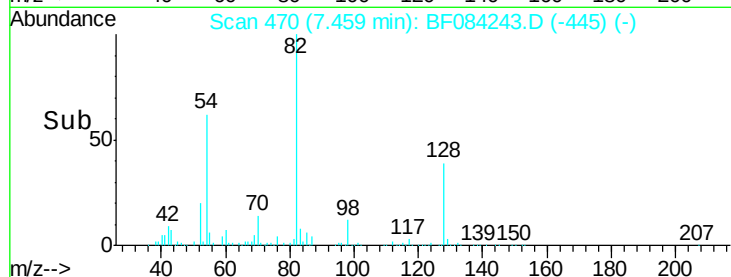
Ion	Ratio	Lower	Upper
82	100		
128	38.8	34.6	51.8
54	62.2	38.4	57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#27

2,4-Dimethylphenol

Concen: 12.04 ng

RT: 7.86 min Scan# 505

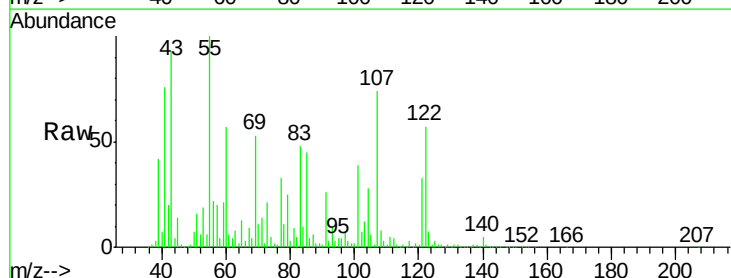
Delta R.T. 0.01 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Tgt Ion: 122 Resp: 231841

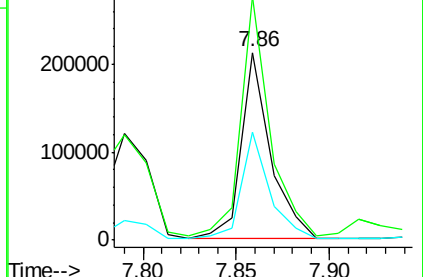
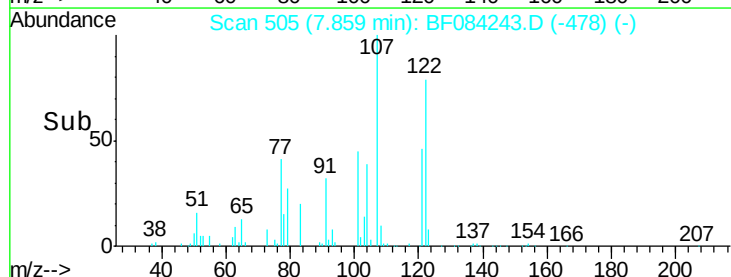
Ion	Ratio	Lower	Upper
122	100		
107	129.7	99.1	148.7
121	57.3	47.9	71.9

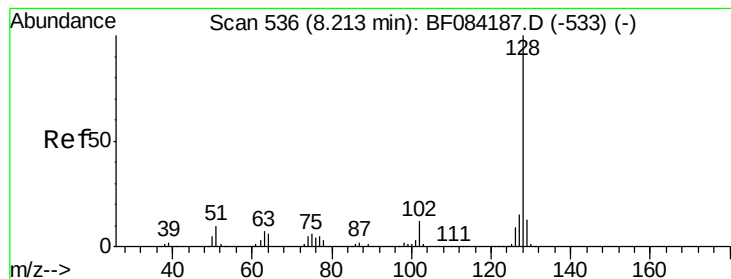


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 107.00 (106.70 to 107.70): BF0

Ion 121.00 (120.70 to 121.70): BF0





#31

Naphthalene

Concen: 33.96 ng

RT: 8.21 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Instrument :

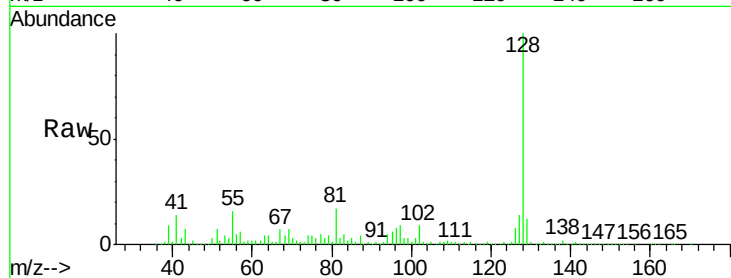
BNA_F

ClientSampleId :

S8-0534

Tot Ion:128 Resp: 1767267

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	14.2	11.1	16.7

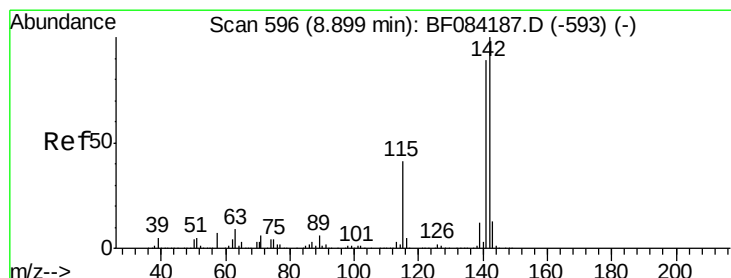
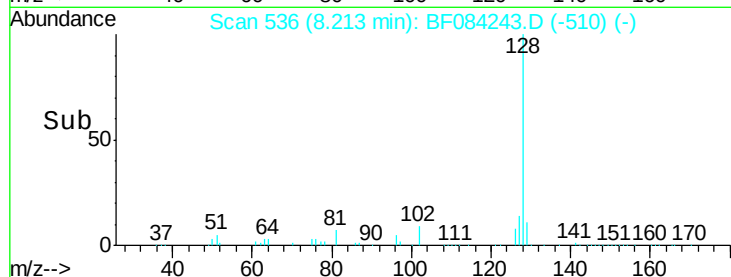
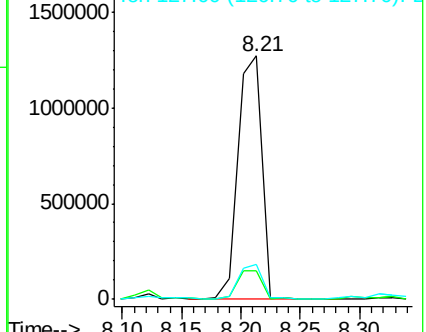


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 6.99 ng

RT: 8.90 min Scan# 596

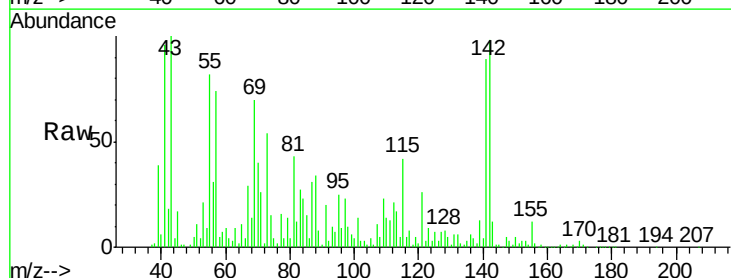
Delta R.T. 0.00 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Tgt Ion:142 Resp: 261229

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.4	108.6
115	43.2	27.9	41.9#

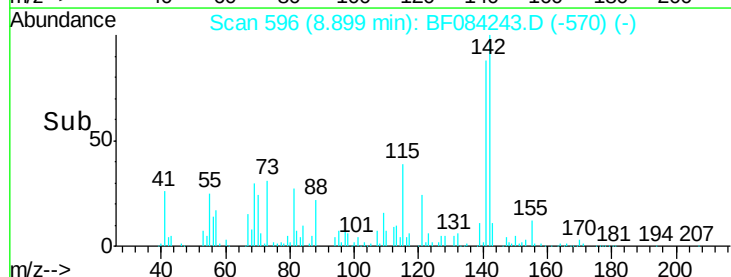
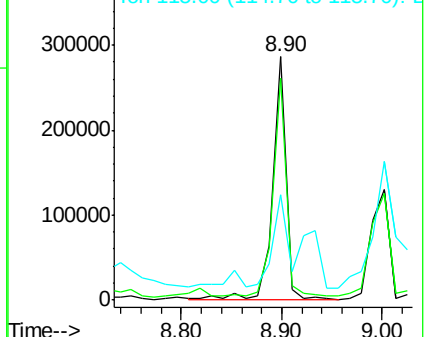


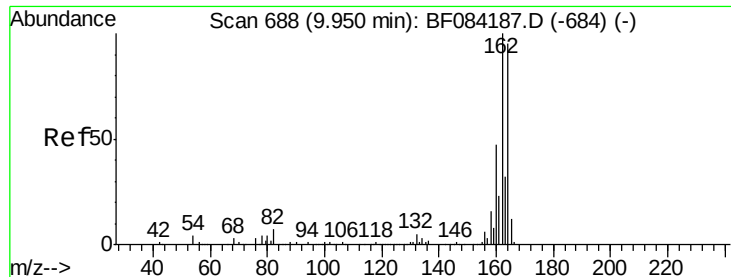
Abundance

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: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Instrument :

BNA_F

ClientSampleId :

S8-0534

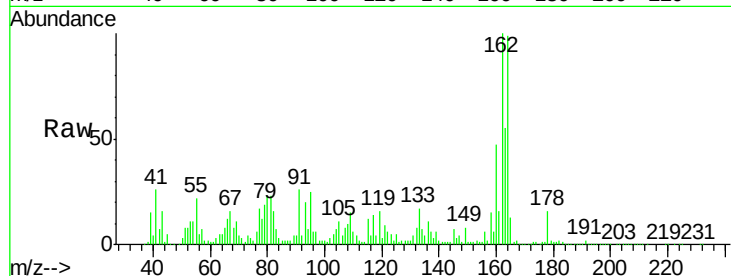
Tot Ion:164 Resp: 516432

Ion Ratio Lower Upper

164 100

162 101.5 85.1 127.7

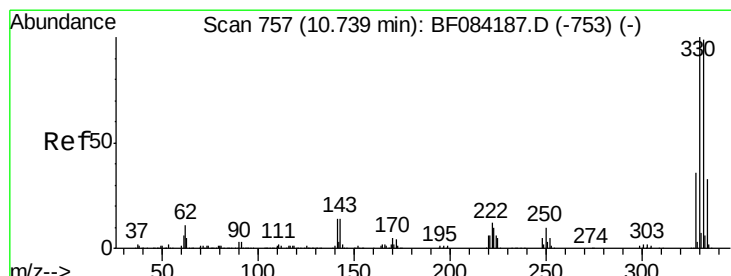
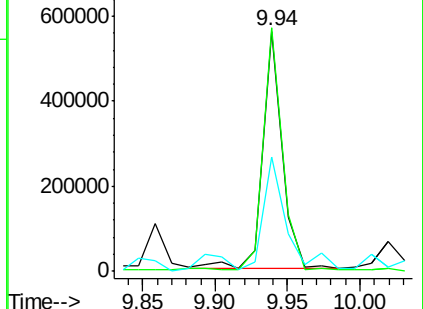
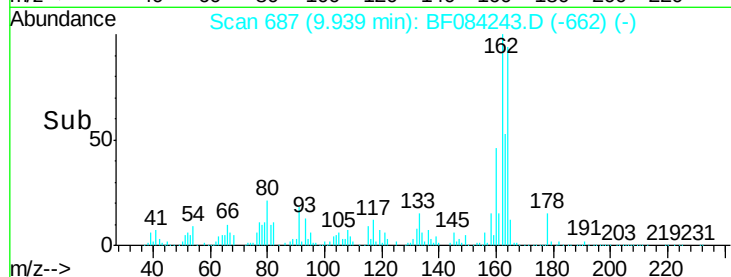
160 47.5 37.5 56.3



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: 82.44 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

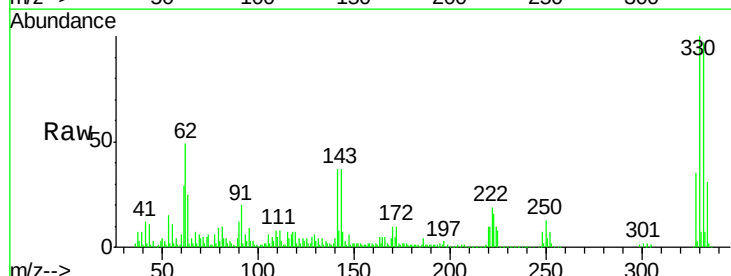
Tgt Ion:330 Resp: 429841

Ion Ratio Lower Upper

330 100

332 98.0 76.6 114.8

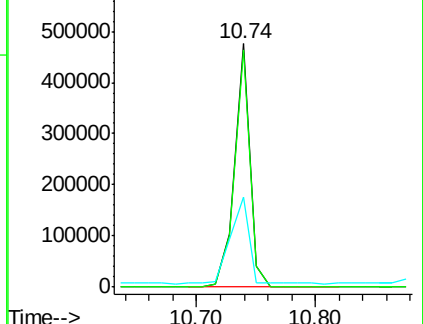
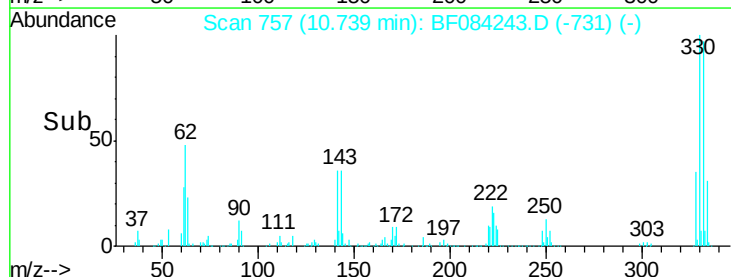
141 42.9 27.8 41.6#

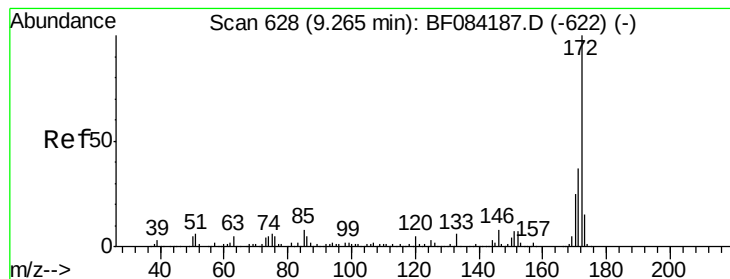


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 69.16 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Instrument :

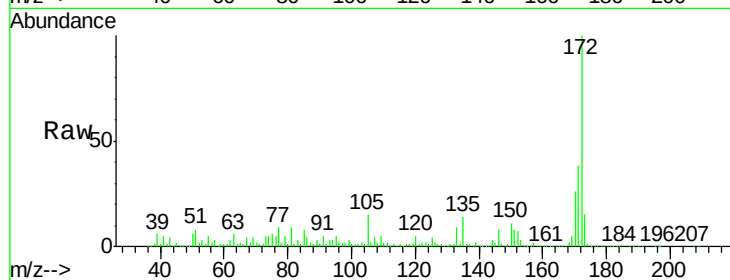
BNA_F

ClientSampleId :

S8-0534

Tot Ion:172 Resp: 2064811

Ion	Ratio	Lower	Upper
172	100		
171	37.8	28.9	43.3
170	26.0	18.6	27.8

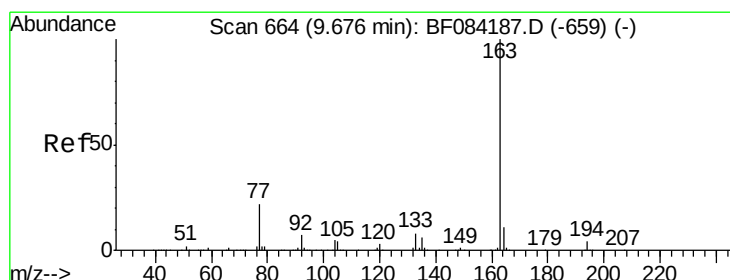
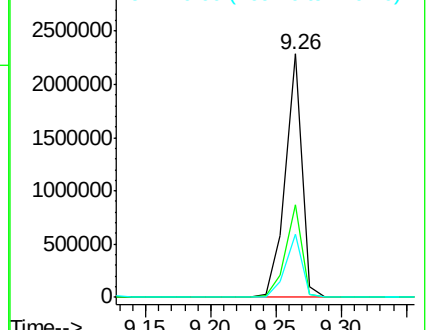
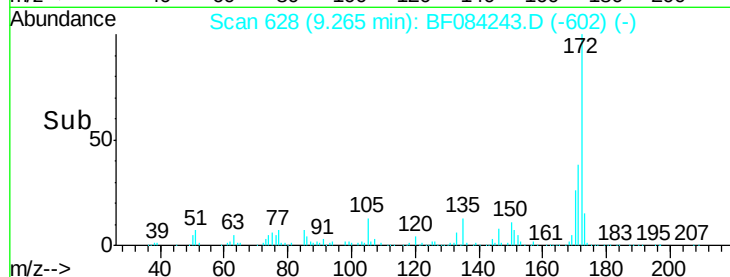


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 3.57 ng

RT: 9.66 min Scan# 663

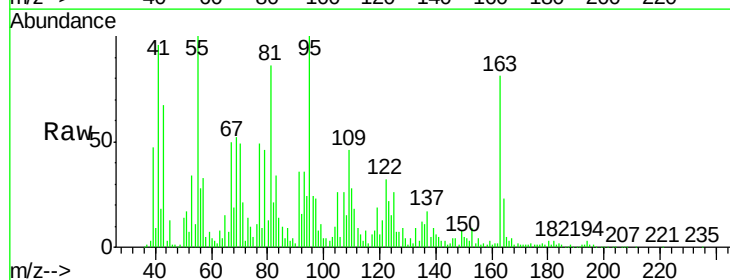
Delta R.T. -0.01 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Tgt Ion:163 Resp: 131735

Ion	Ratio	Lower	Upper
163	100		
194	3.5	8.0	12.0#
164	28.4	8.0	12.0#

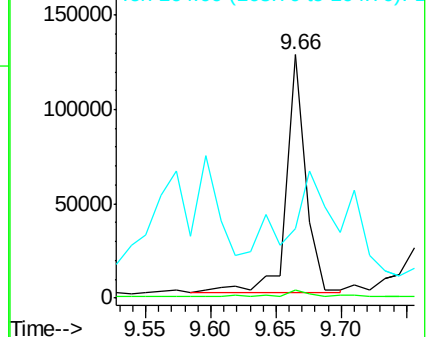
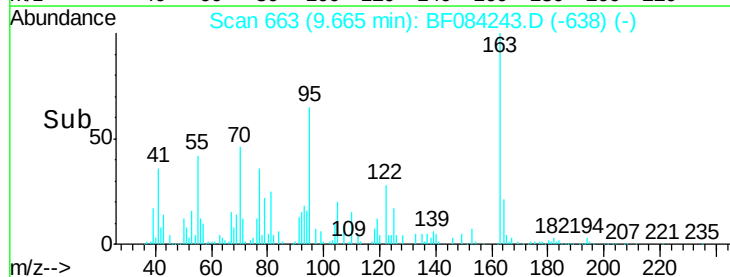


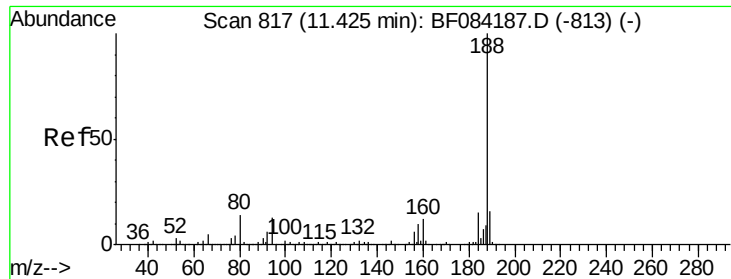
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

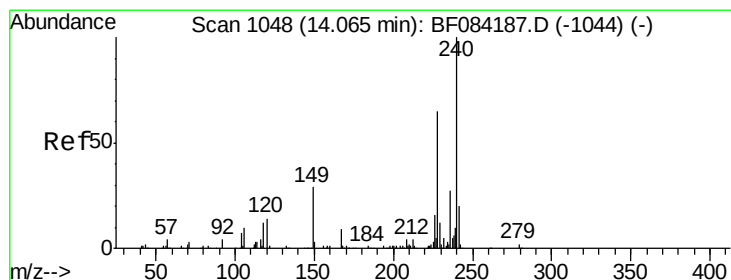
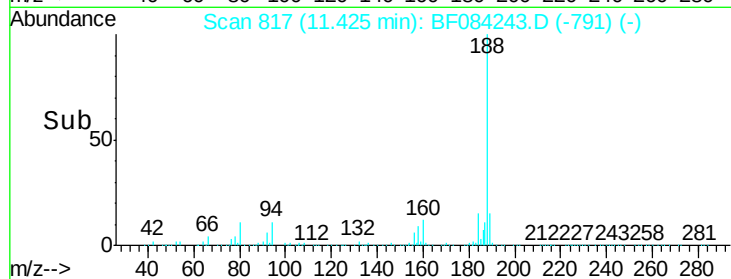
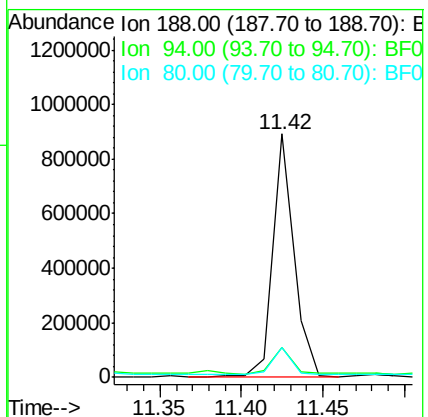
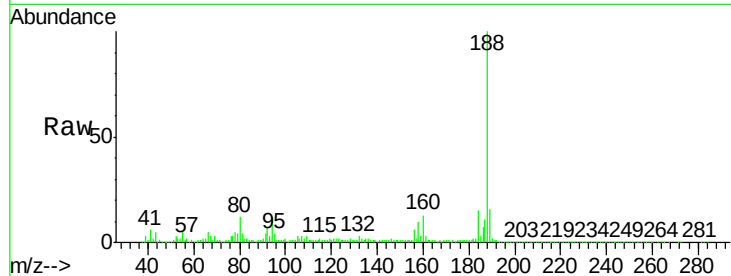




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF084243.D
Acq: 4 Jan 2016 17:12

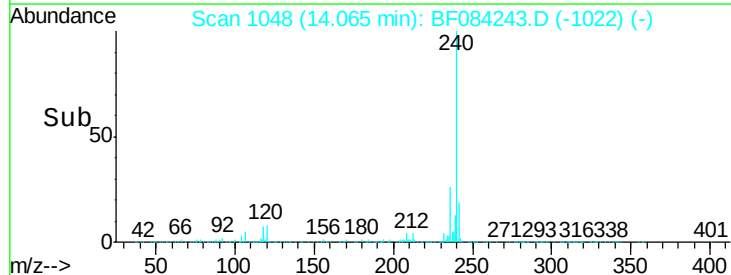
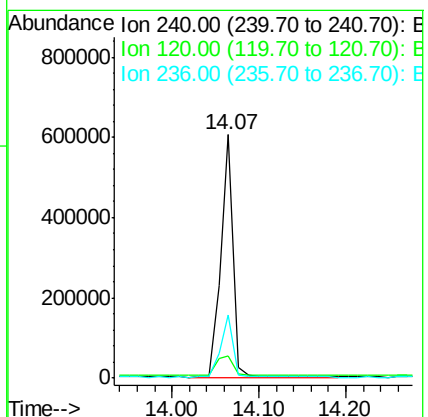
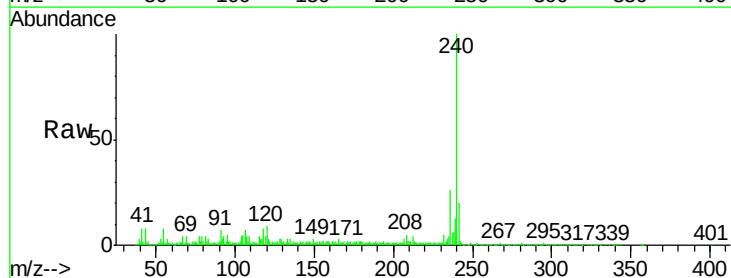
Instrument :
BNA_F
ClientSampleId :
S8-0534

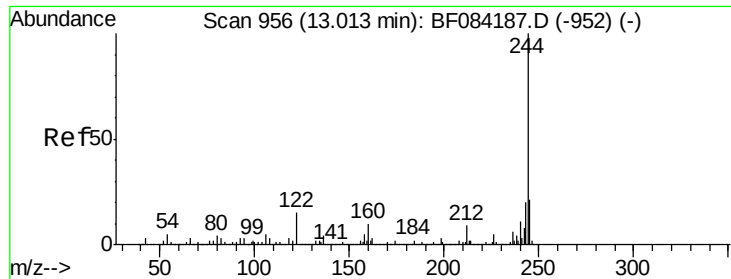
Tot Ion:188 Resp: 798247
Ion Ratio Lower Upper
188 100
94 12.3 9.0 13.4
80 12.5 9.6 14.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF084243.D
Acq: 4 Jan 2016 17:12

Tgt Ion:240 Resp: 602725
Ion Ratio Lower Upper
240 100
120 9.0 9.5 14.3#
236 26.0 20.6 31.0





#78

Terphenyl-d14

Concen: 48.00 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Instrument :

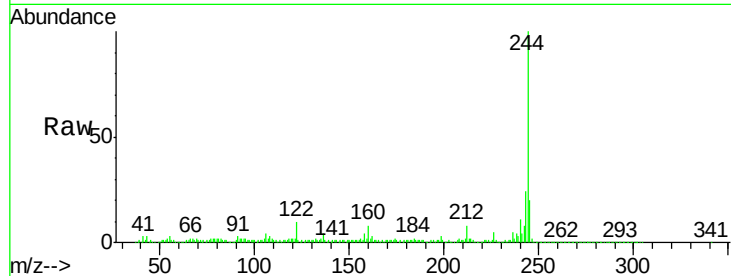
BNA_F

ClientSampleId :

S8-0534

Tot Ion:244 Resp: 1296027

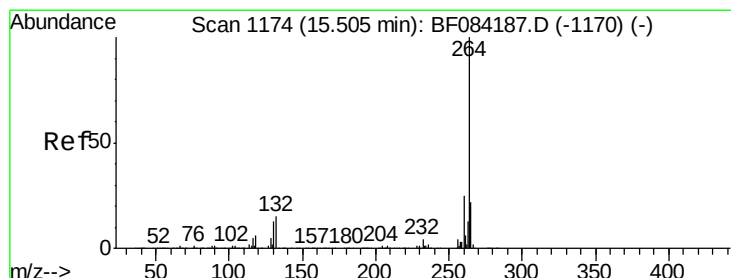
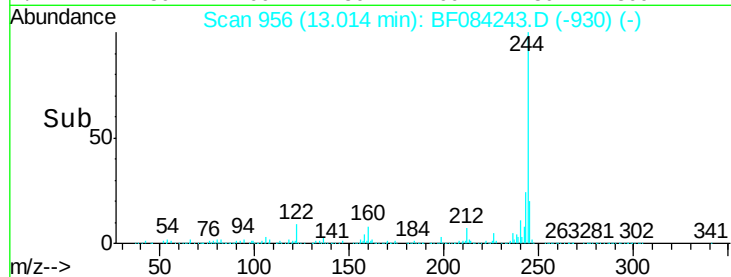
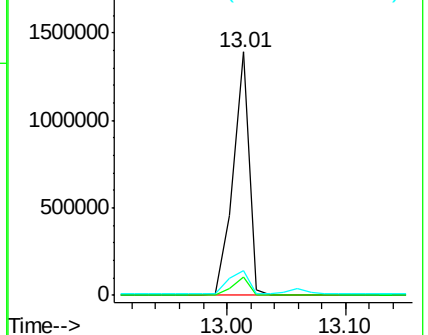
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	10.1	7.4	11.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1174

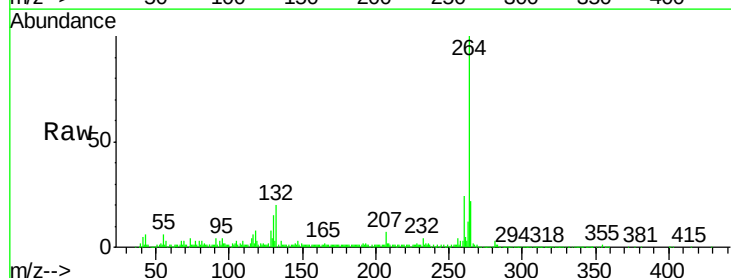
Delta R.T. 0.00 min

Lab File: BF084243.D

Acq: 4 Jan 2016 17:12

Tgt Ion:264 Resp: 517306

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	22.3	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

