

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084227.D
 Acq On : 1 Jan 2016 6:11
 Operator : UM/SJ
 Sample : G4981-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0534

Quant Time: Jan 04 12:41:54 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

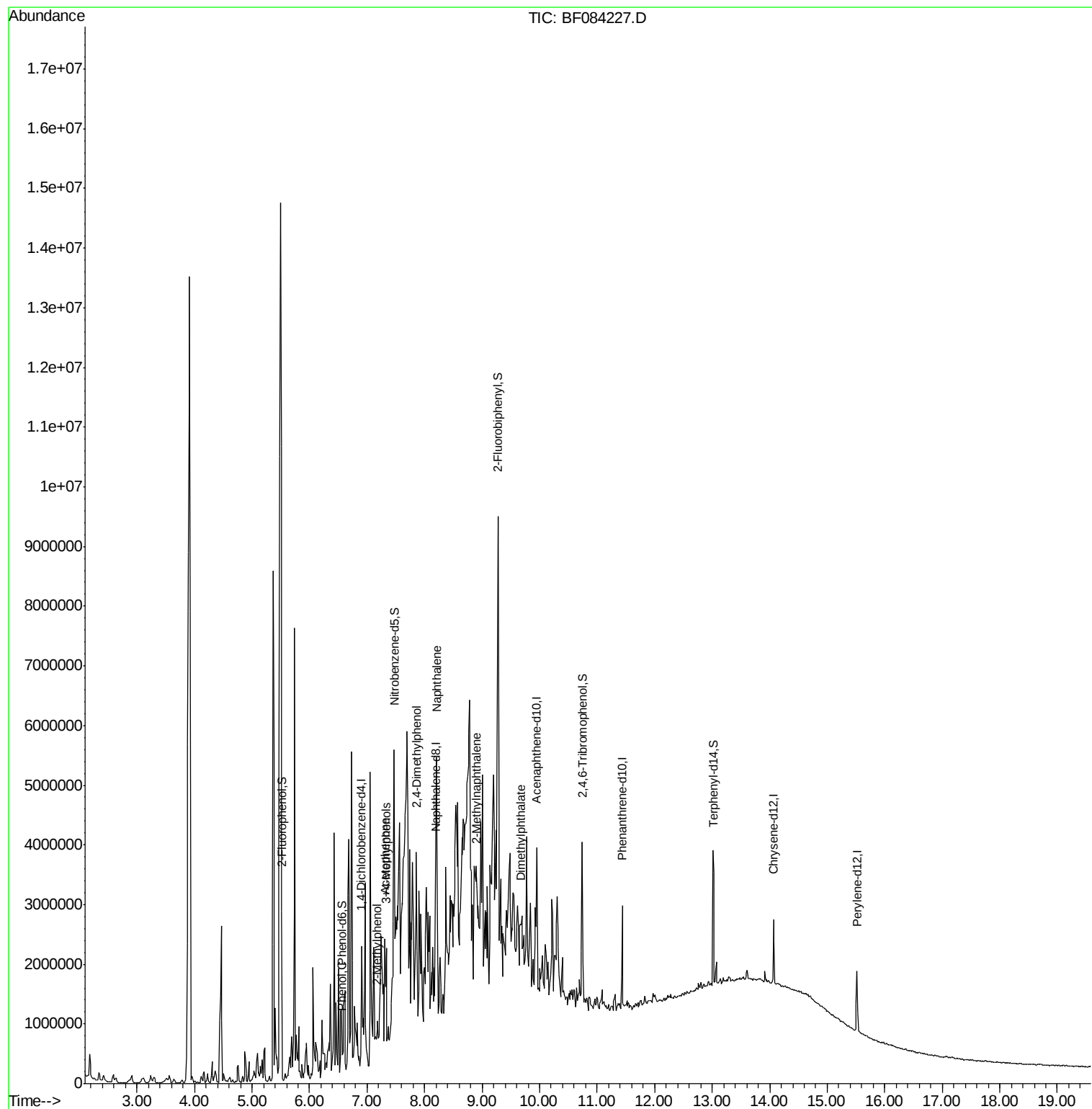
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	260781	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	955561	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	447634	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	628160	20.00	ng	0.01
75) Chrysene-d12	14.06	240	497104	20.00	ng	0.00
86) Perylene-d12	15.52	264	479036	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	634397	39.35	ng	0.02
7) Phenol-d6	6.56	99	571705	28.23	ng	0.02
23) Nitrobenzene-d5	7.47	82	1266397	73.76	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	318207	70.41	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1913725	74.42	ng	0.01
78) Terphenyl-d14	13.02	244	1002879	45.03	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.57	94	51484	2.24	ng	82
17) 2-Methylphenol	7.17	107	70254	4.58	ng	# 90
20) 3+4-Methylphenols	7.33	107	489916	27.19	ng	86
22) Acetophenone	7.31	105	558865	24.32	ng	94
27) 2,4-Dimethylphenol	7.86	122	199554	12.44	ng	93
31) Naphthalene	8.21	128	1458075	33.63	ng	98
37) 2-Methylnaphthalene	8.91	142	205150	6.59	ng	97
49) Dimethylphthalate	9.68	163	108508	3.39	ng	# 37

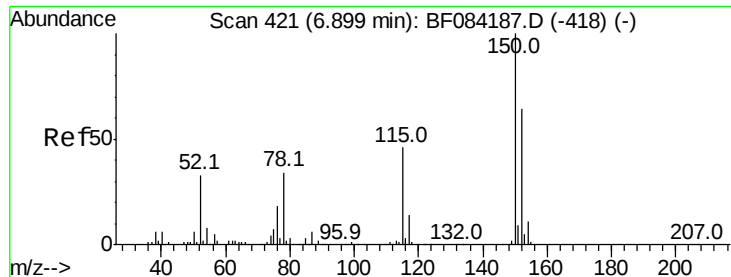
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Instrument :

BNA_F

ClientSampleId :

S8-0534

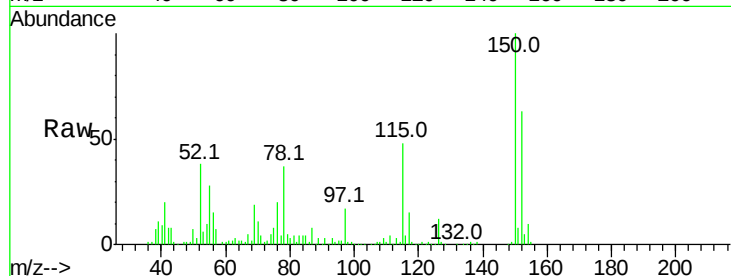
Tot Ion:152 Resp: 260781

Ion Ratio Lower Upper

152 100

150 159.9 123.0 184.4

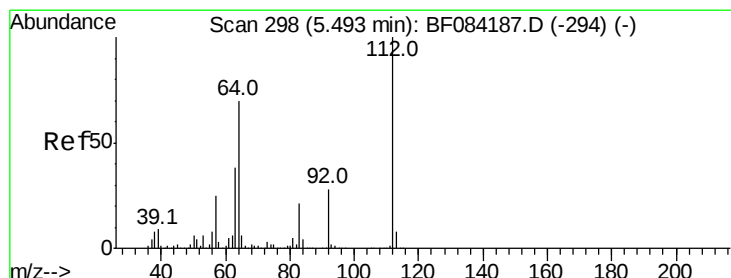
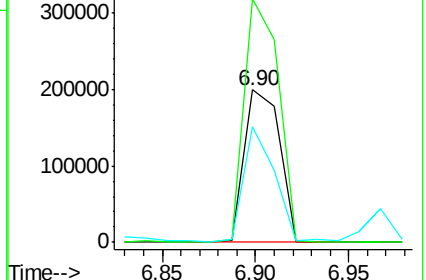
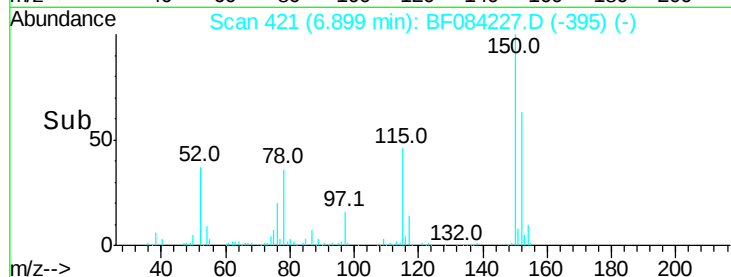
115 76.0 51.4 77.2



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: 39.35 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

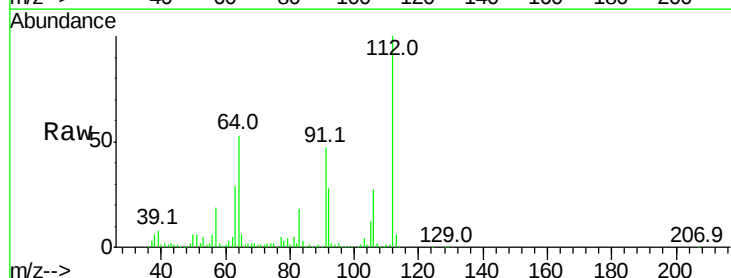
Tgt Ion:112 Resp: 634397

Ion Ratio Lower Upper

112 100

64 53.2 36.6 55.0

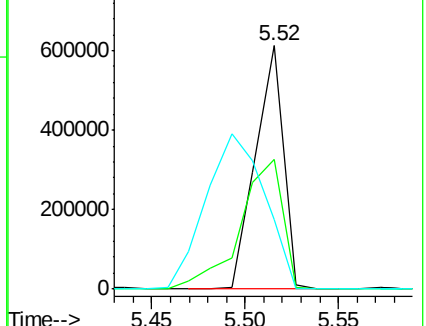
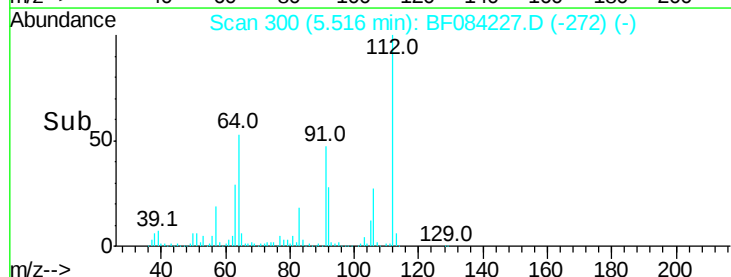
63 28.8 19.4 29.0

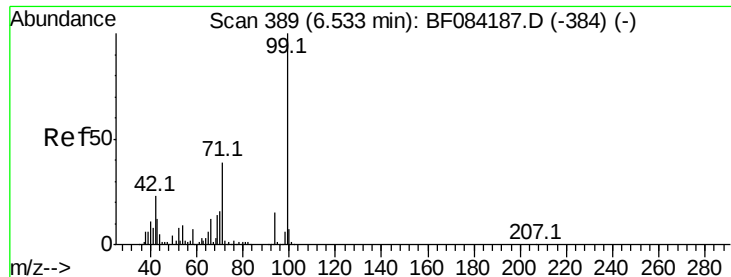


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.23 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.02 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Instrument :

BNA_F

ClientSampled :

S8-0534

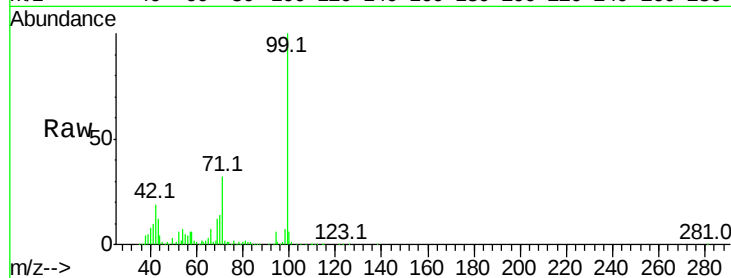
Tot Ion: 99 Resp: 571705

Ion Ratio Lower Upper

99 100

42 18.6 12.8 19.2

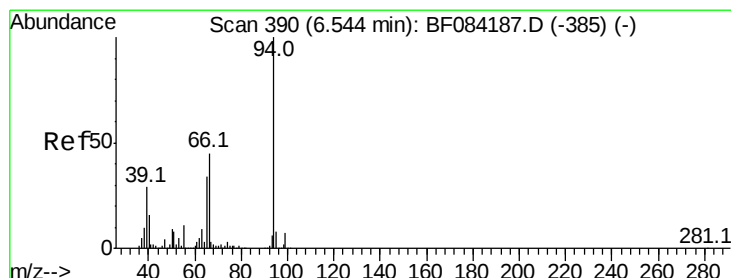
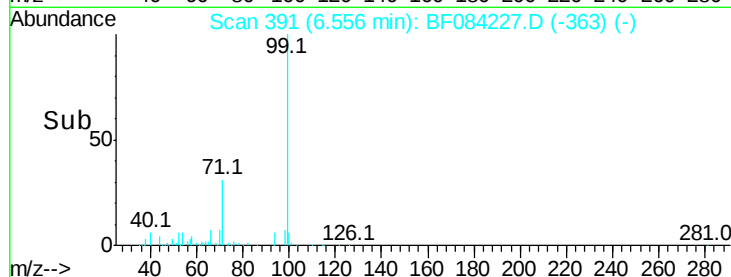
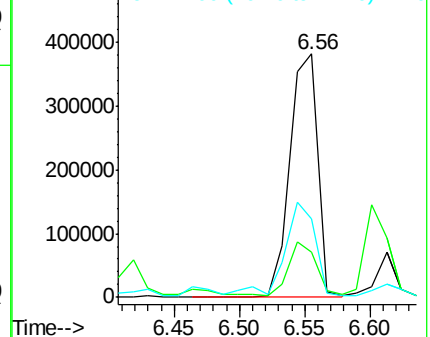
71 32.3 30.9 46.3



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



#10

Phenol

Concen: 2.24 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.02 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

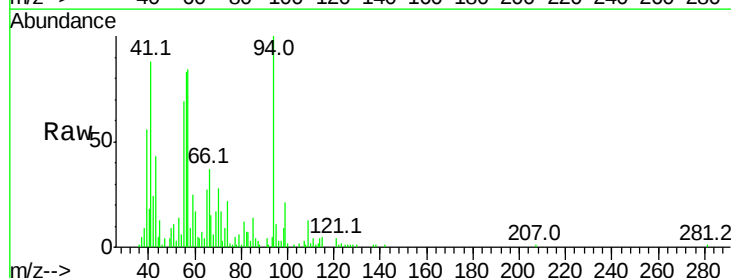
Tgt Ion: 94 Resp: 51484

Ion Ratio Lower Upper

94 100

65 27.1 12.9 52.9

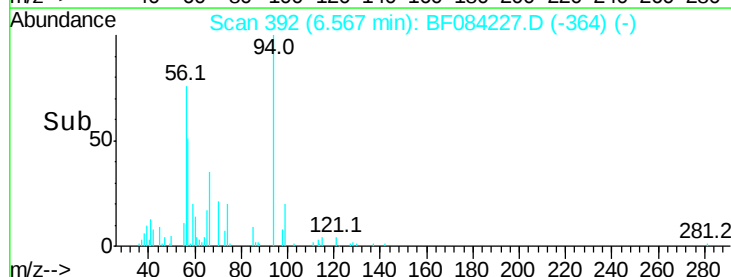
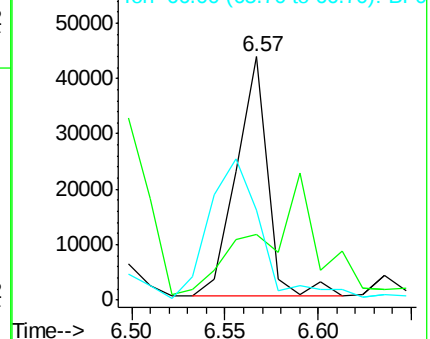
66 36.8 32.7 72.7

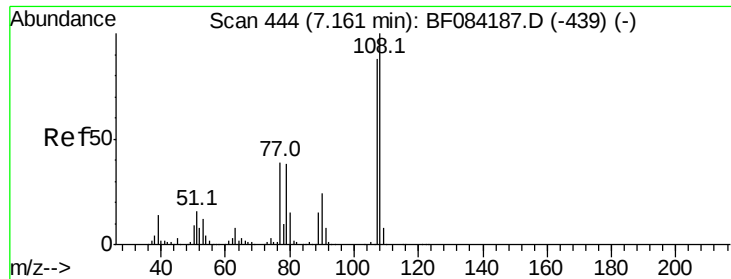


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 4.58 ng

RT: 7.17 min Scan# 445

Delta R.T. 0.01 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Instrument :

BNA_F

ClientSampleId :

S8-0534

Tot Ion:107 Resp: 70254

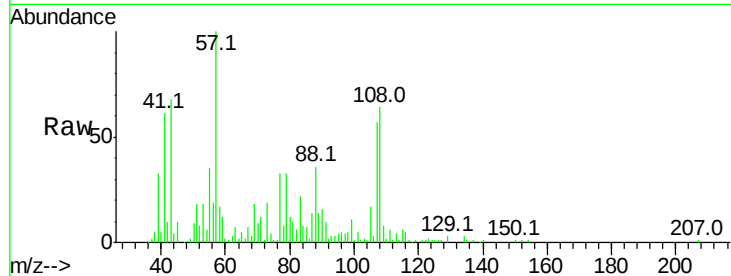
Ion Ratio Lower Upper

107 100

108 113.1 89.8 134.6

77 58.3 35.7 53.5#

79 58.9 35.7 53.5#



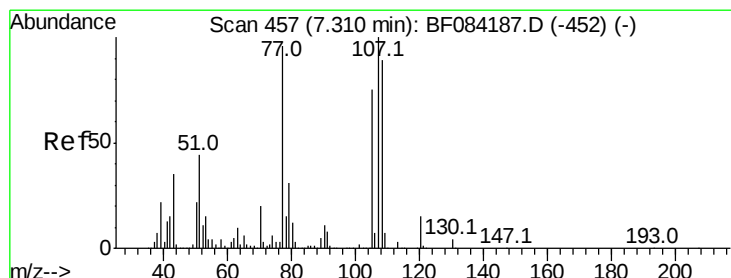
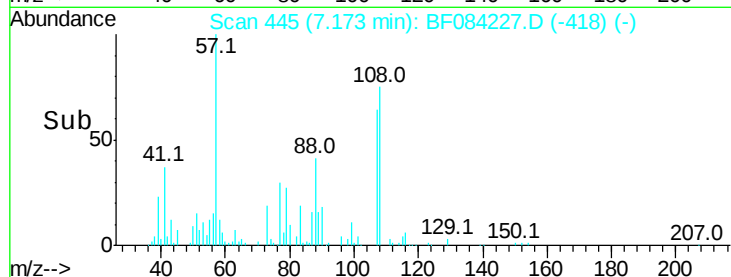
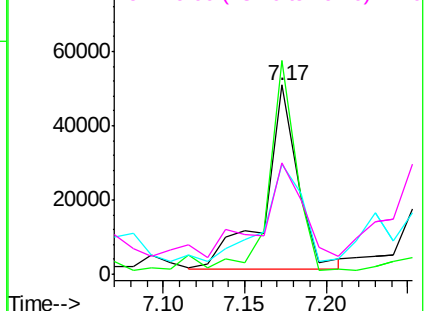
Abundance

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



#20

3+4-Methylphenols

Concen: 27.19 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.02 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Tgt Ion:107 Resp: 489916

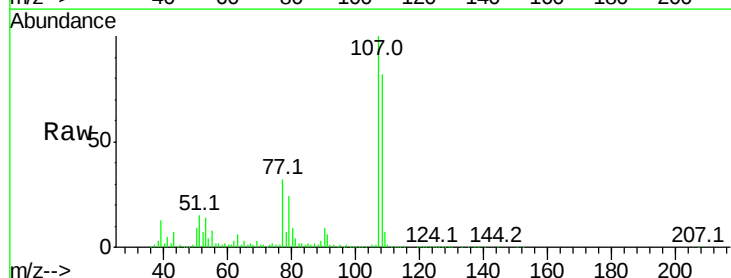
Ion Ratio Lower Upper

107 100

108 82.3 74.6 114.6

77 31.6 0.7 40.7

79 24.1 0.0 39.0



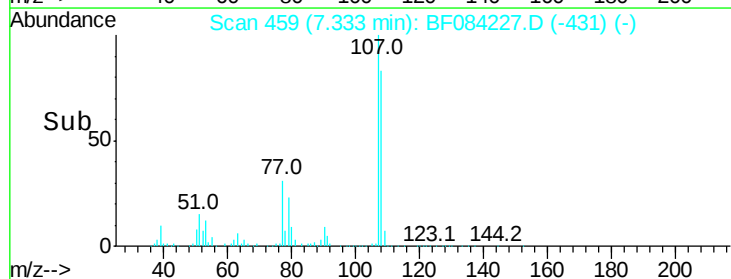
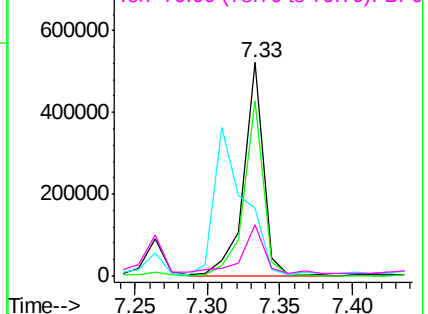
Abundance

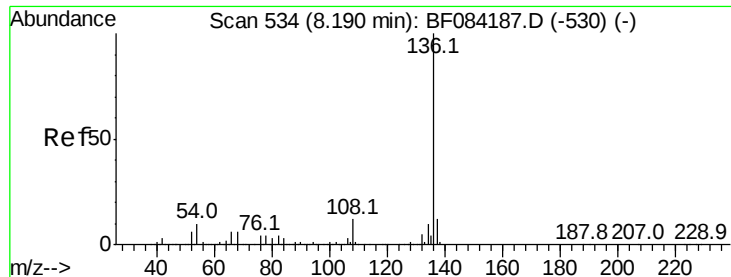
Ion 107.00 (106.70 to 107.70): E

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

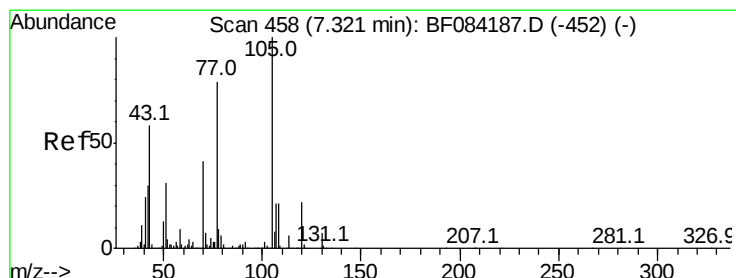
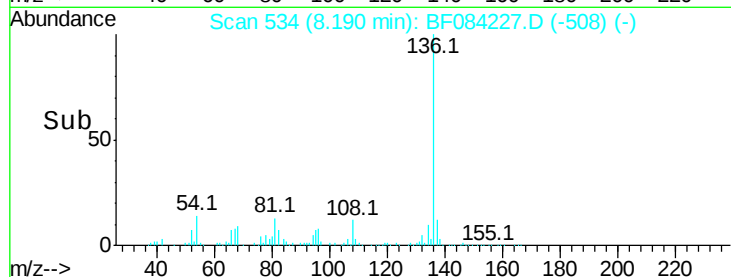
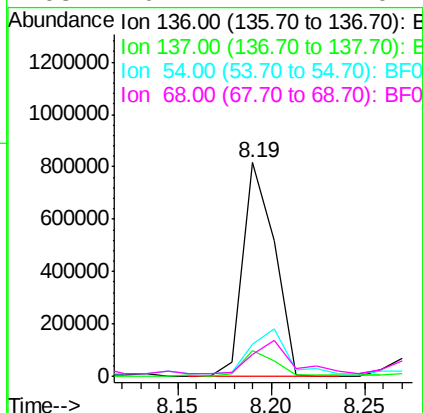
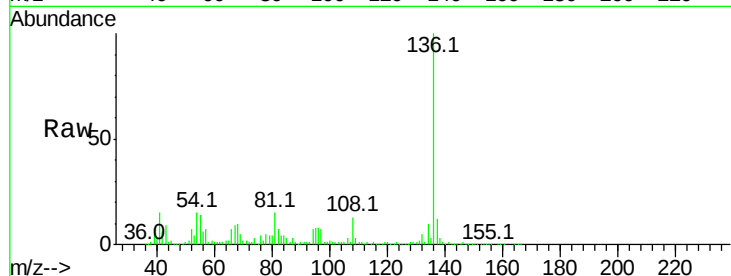




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF084227.D
Acq: 1 Jan 2016 6:11

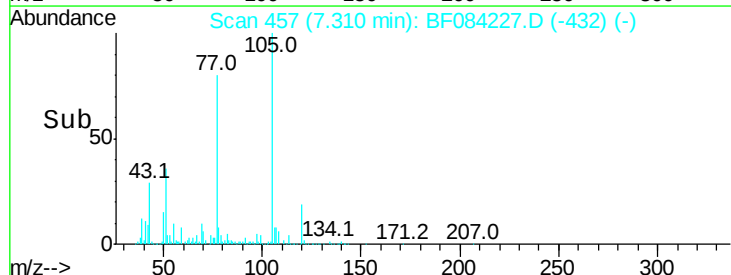
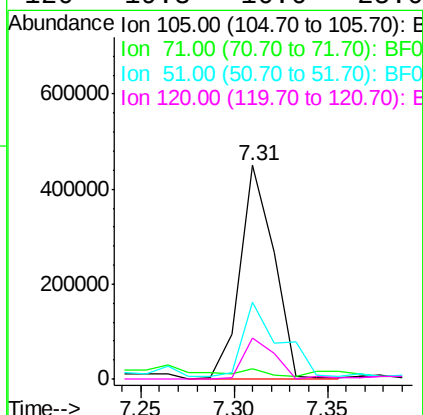
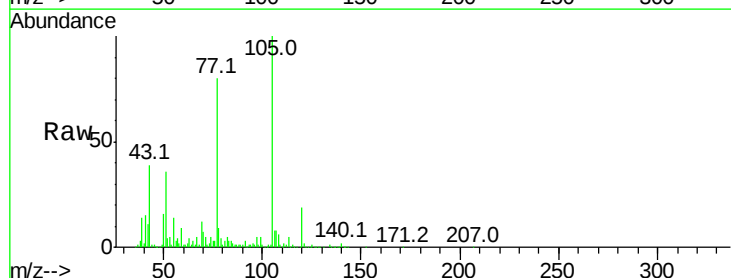
Instrument :
BNA_F
ClientSampleId :
S8-0534

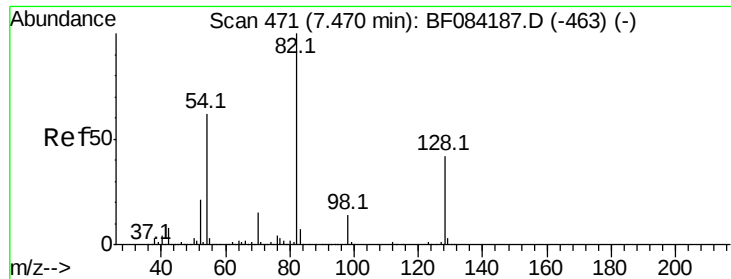
Tot Ion:136	Resp:	955561
Ion Ratio	Lower	Upper
136	100	
137	11.8	8.7 13.1
54	15.1	5.8 8.8#
68	10.2	4.2 6.2#



#22
Acetophenone
Concen: 24.32 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084227.D
Acq: 1 Jan 2016 6:11

Tgt Ion:105	Resp:	558865
Ion Ratio	Lower	Upper
105	100	
71	4.6	3.7 5.5
51	36.1	25.1 37.7
120	19.3	16.6 25.0



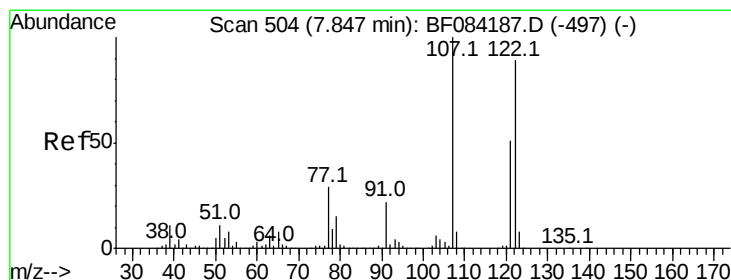
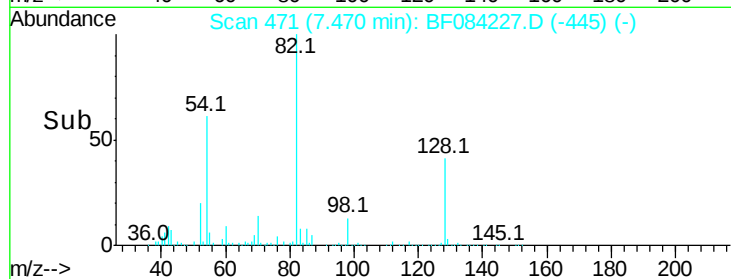
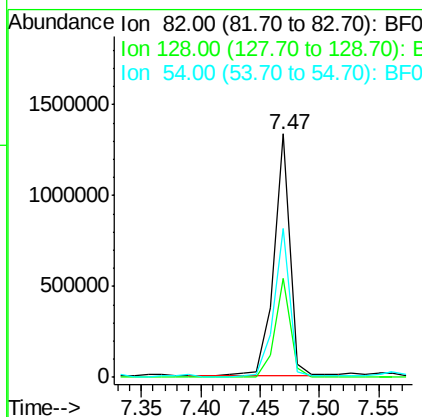
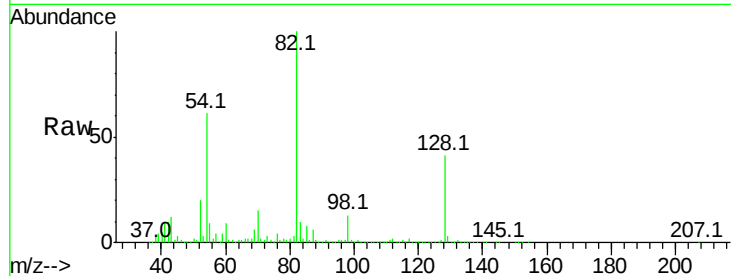


#23
 Nitrobenzene-d5
 Concen: 73.76 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF084227.D
 Acq: 1 Jan 2016 6:11

Instrument :
 BNA_F
 ClientSampleId :
 S8-0534

Tot Ion: 82 Resp: 1266397

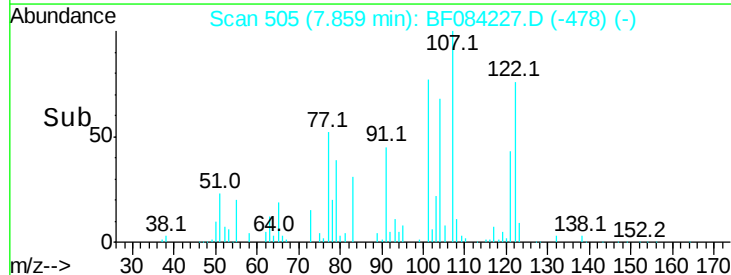
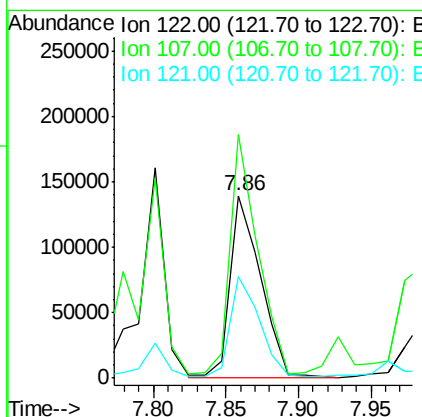
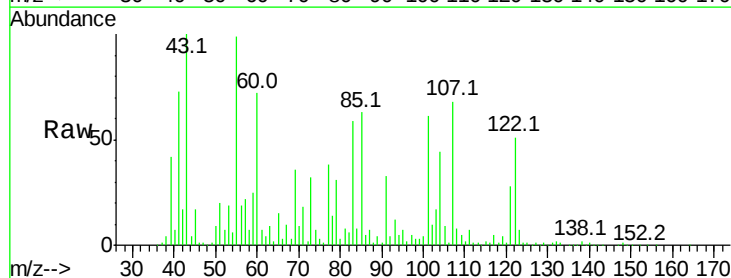
Ion	Ratio	Lower	Upper
82	100		
128	40.5	34.6	51.8
54	61.0	38.4	57.6

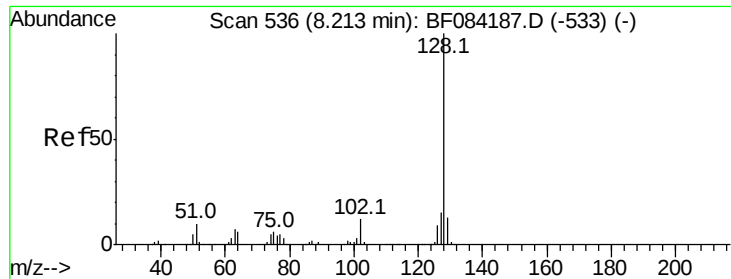


#27
 2,4-Dimethylphenol
 Concen: 12.44 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: BF084227.D
 Acq: 1 Jan 2016 6:11

Tgt Ion:122 Resp: 199554

Ion	Ratio	Lower	Upper
122	100		
107	133.6	99.1	148.7
121	56.0	47.9	71.9

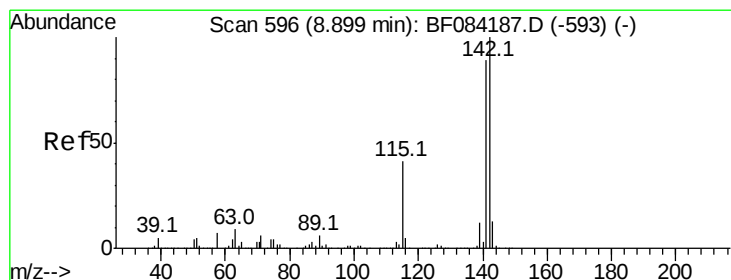
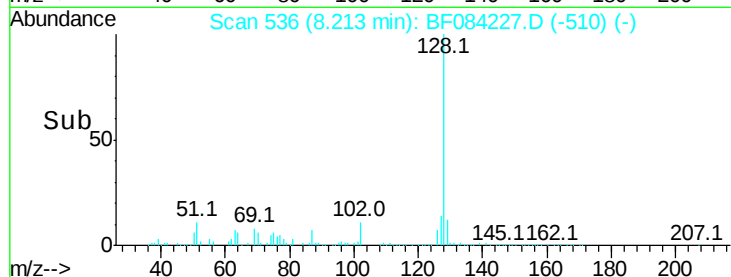
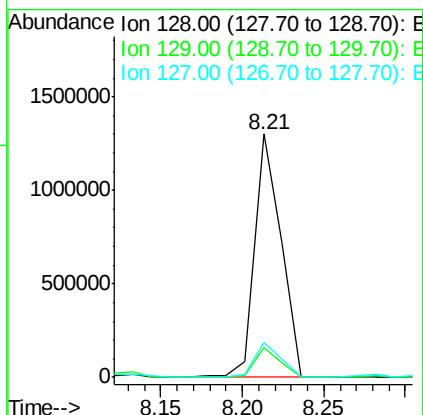
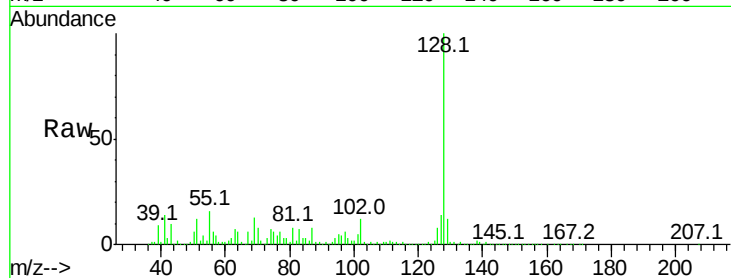




#31
Naphthalene
Concen: 33.63 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF084227.D
Acq: 1 Jan 2016 6:11

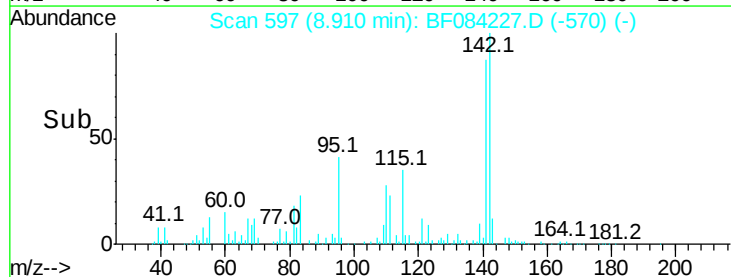
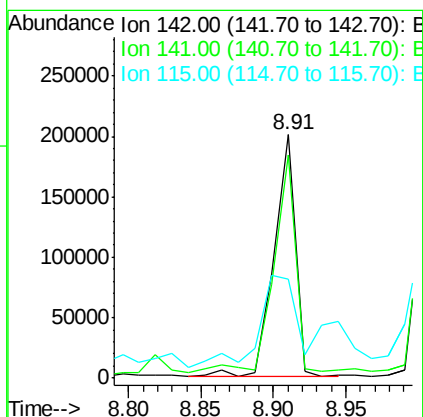
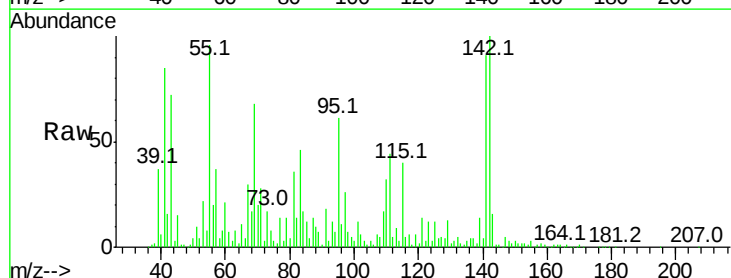
Instrument :
BNA_F
ClientSampleId :
S8-0534

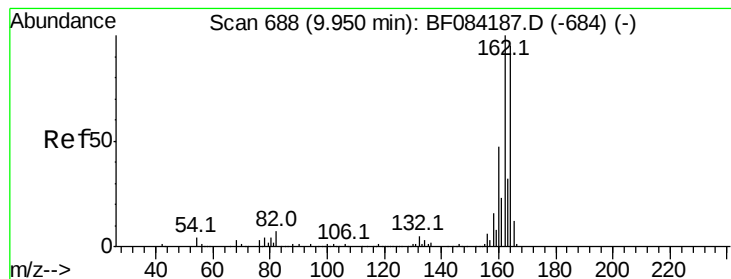
Tot Ion:128 Resp: 1458075
Ion Ratio Lower Upper
128 100
129 12.3 9.1 13.7
127 14.4 11.1 16.7



#37
2-Methylnaphthalene
Concen: 6.59 ng
RT: 8.91 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF084227.D
Acq: 1 Jan 2016 6:11

Tgt Ion:142 Resp: 205150
Ion Ratio Lower Upper
142 100
141 91.4 72.4 108.6
115 40.5 27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Instrument :

BNA_F

ClientSampleId :

S8-0534

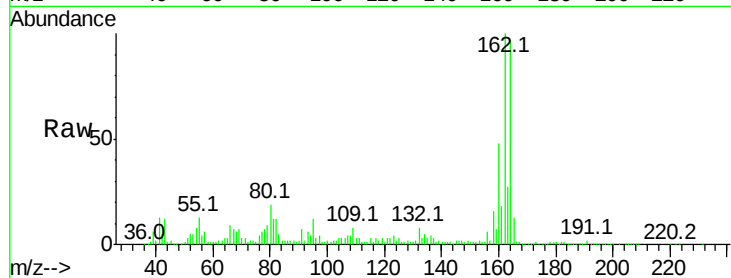
Tot Ion:164 Resp: 447634

Ion Ratio Lower Upper

164 100

162 102.8 85.1 127.7

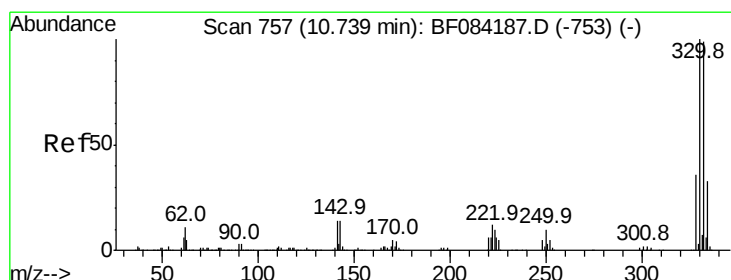
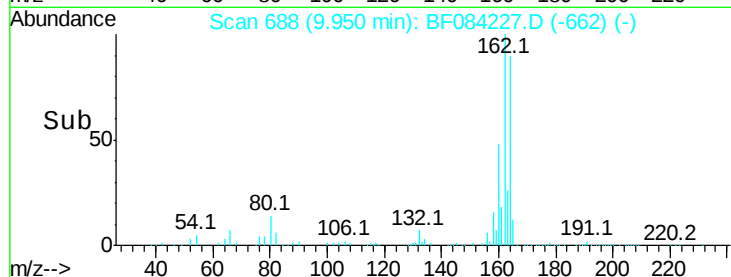
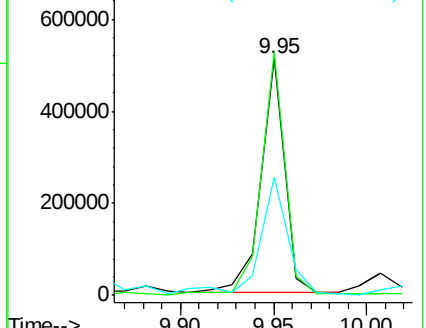
160 49.8 37.5 56.3



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: 70.41 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

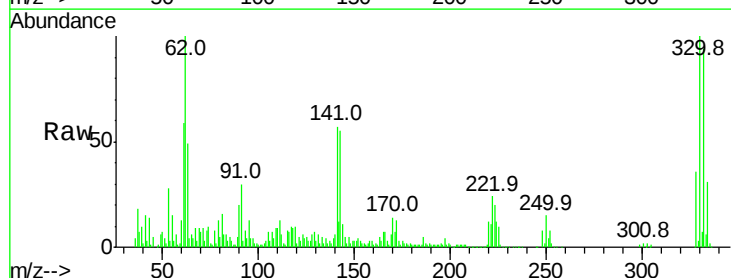
Tgt Ion:330 Resp: 318207

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

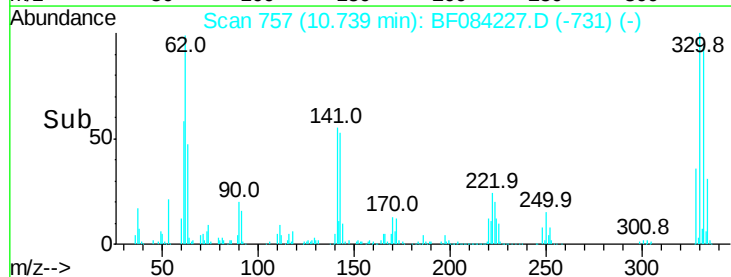
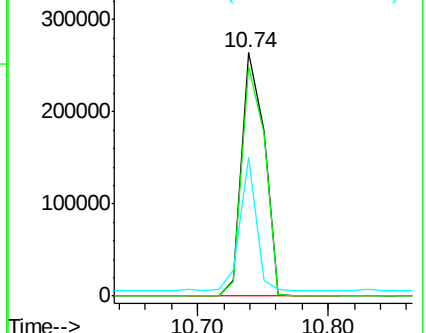
141 39.9 27.8 41.6

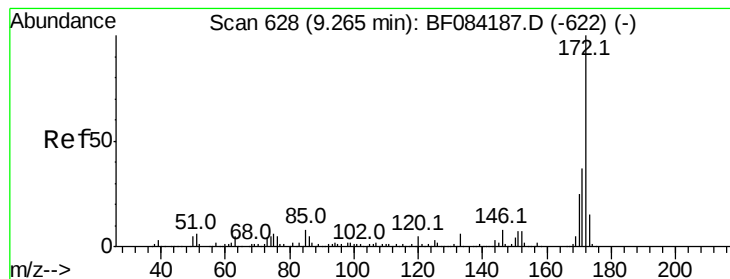


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 74.42 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Instrument :

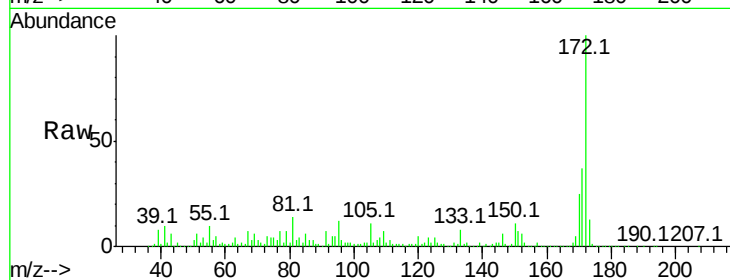
BNA_F

ClientSampleId :

S8-0534

Tot Ion:172 Resp: 1913725

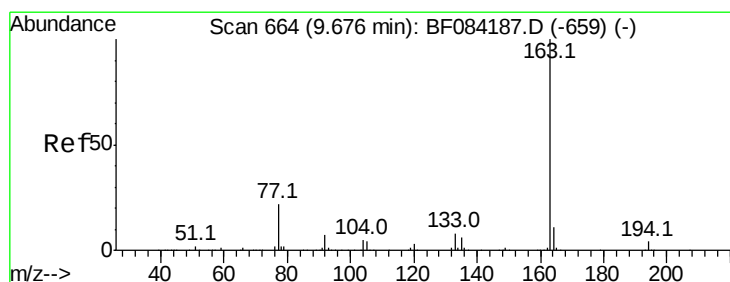
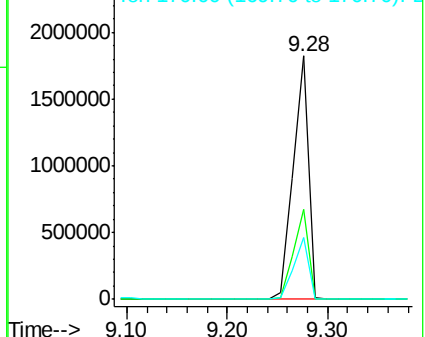
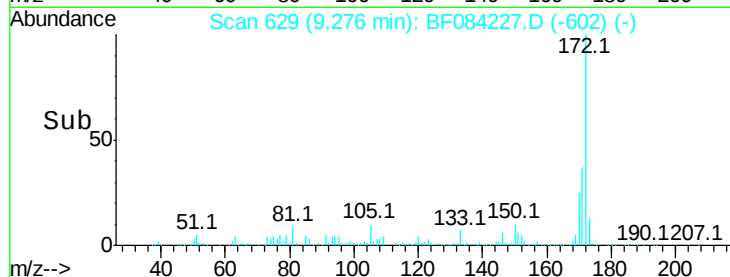
Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.9	43.3
170	25.3	18.6	27.8



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: 3.39 ng

RT: 9.68 min Scan# 664

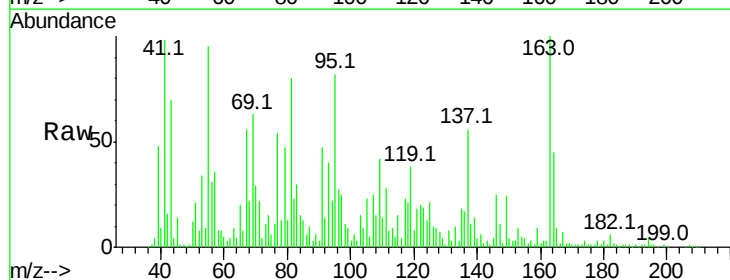
Delta R.T. -0.00 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Tgt Ion:163 Resp: 108508

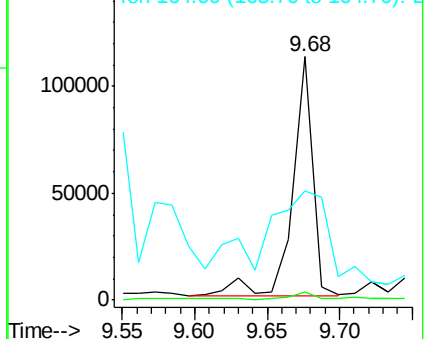
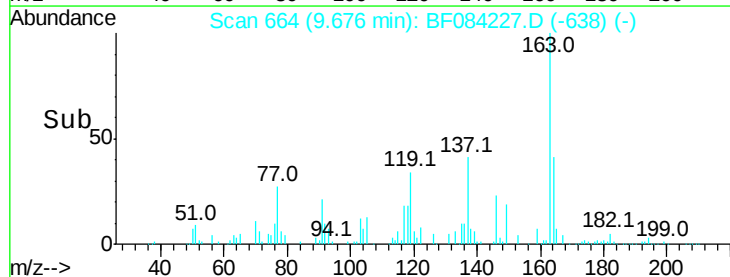
Ion	Ratio	Lower	Upper
163	100		
194	3.6	4.4	6.6#
164	45.0	8.3	12.5#

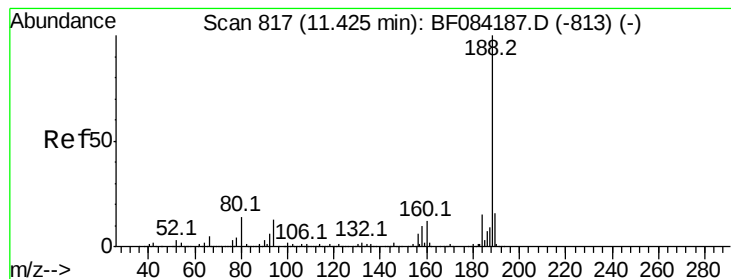


Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Instrument :

BNA_F

ClientSampleId :

S8-0534

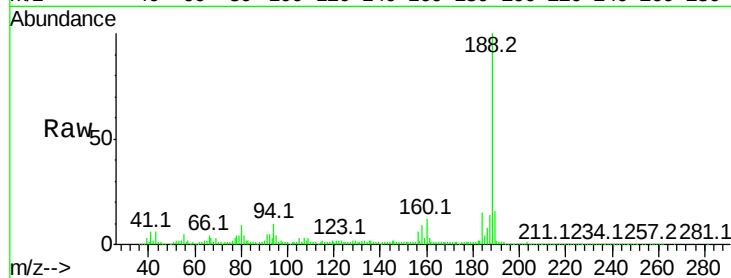
Tot Ion:188 Resp: 628160

Ion Ratio Lower Upper

188 100

94 9.8 9.0 13.4

80 9.1 9.6 14.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.44

800000

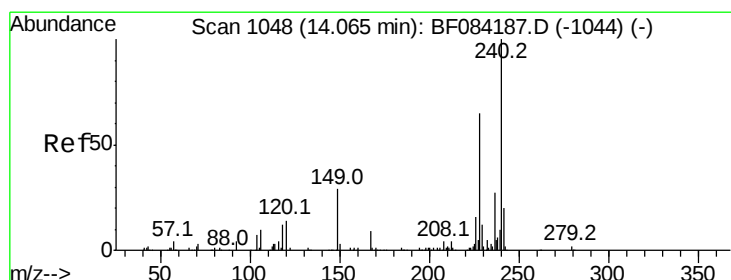
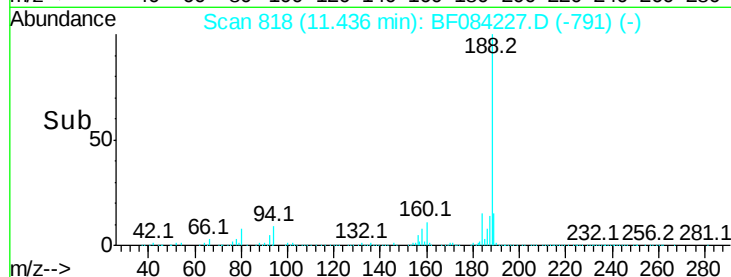
600000

400000

200000

0

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

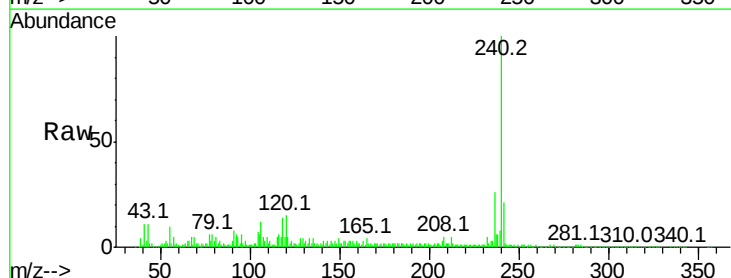
Tgt Ion:240 Resp: 497104

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

236 26.1 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

14.06

500000

400000

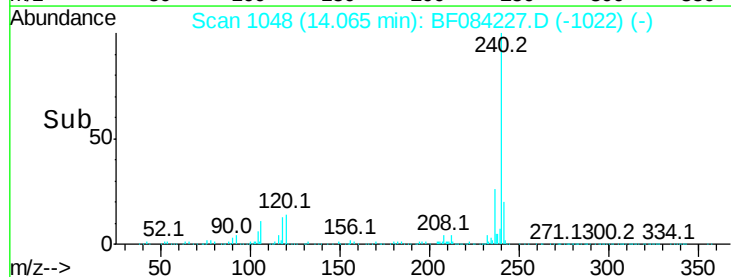
300000

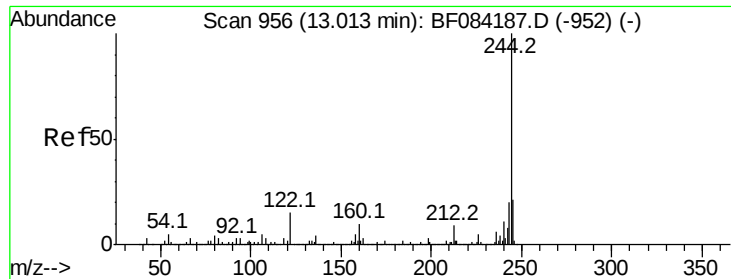
200000

100000

0

Time-->





#78

Terphenyl-d14

Concen: 45.03 ng

RT: 13.02 min Scan# 957

Delta R.T. 0.01 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Instrument :

BNA_F

ClientSampleId :

S8-0534

Tot Ion:244 Resp: 1002879

Ion Ratio Lower Upper

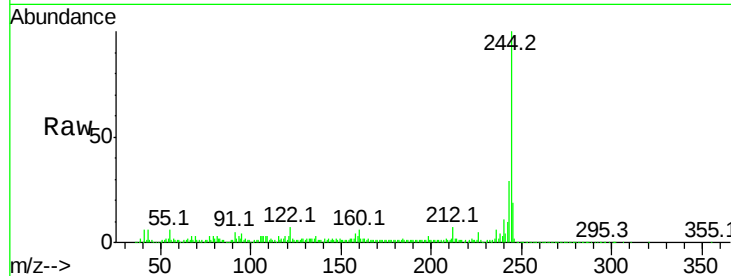
244 100

212 6.7

122 7.0

5.7 8.5

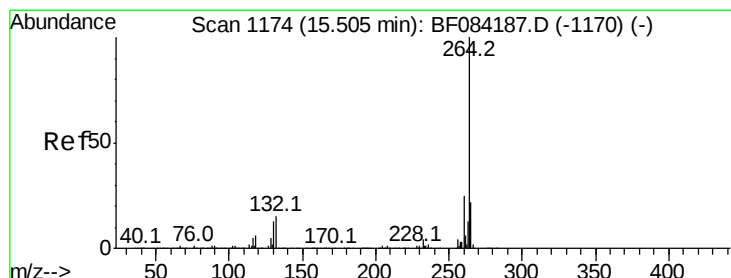
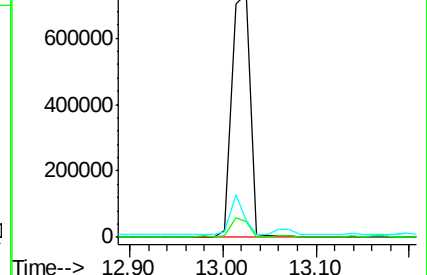
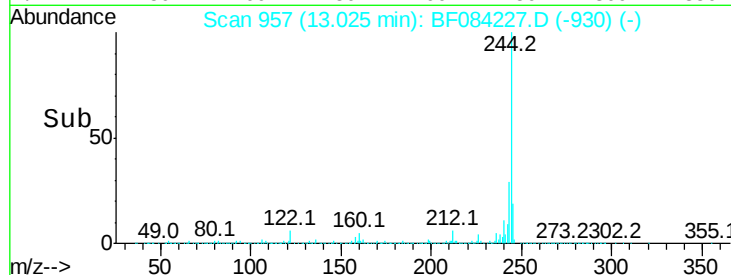
7.4 11.0#



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: 15.52 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BF084227.D

Acq: 1 Jan 2016 6:11

Tgt Ion:264 Resp: 479036

Ion Ratio Lower Upper

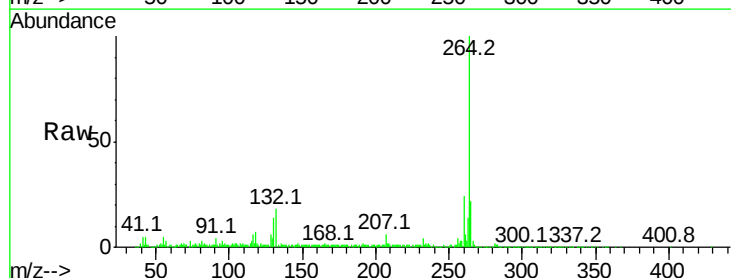
264 100

260 23.9

265 21.5

19.4 29.2

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

