

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121918\
 Data File : BF111617.D
 Acq On : 20 Dec 2018 3:42
 Operator : JU/SJ
 Sample : J6386-05RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS005-0006-01

Quant Time: Dec 20 04:42:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	183918	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	664609	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	316348	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	560569	20.00	ng	0.00
76) Chrysene-d12	14.04	240	497351	20.00	ng	0.00
87) Perylene-d12	15.52	264	365073	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	801619	74.29	ng	0.00
7) Phenol-d6	6.52	99	1015266	73.94	ng	0.00
23) Nitrobenzene-d5	7.45	82	608454	53.29	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	263710	70.55	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1063954	49.02	ng	0.00
79) Terphenyl-d14	13.00	244	927269	35.36	ng	0.00

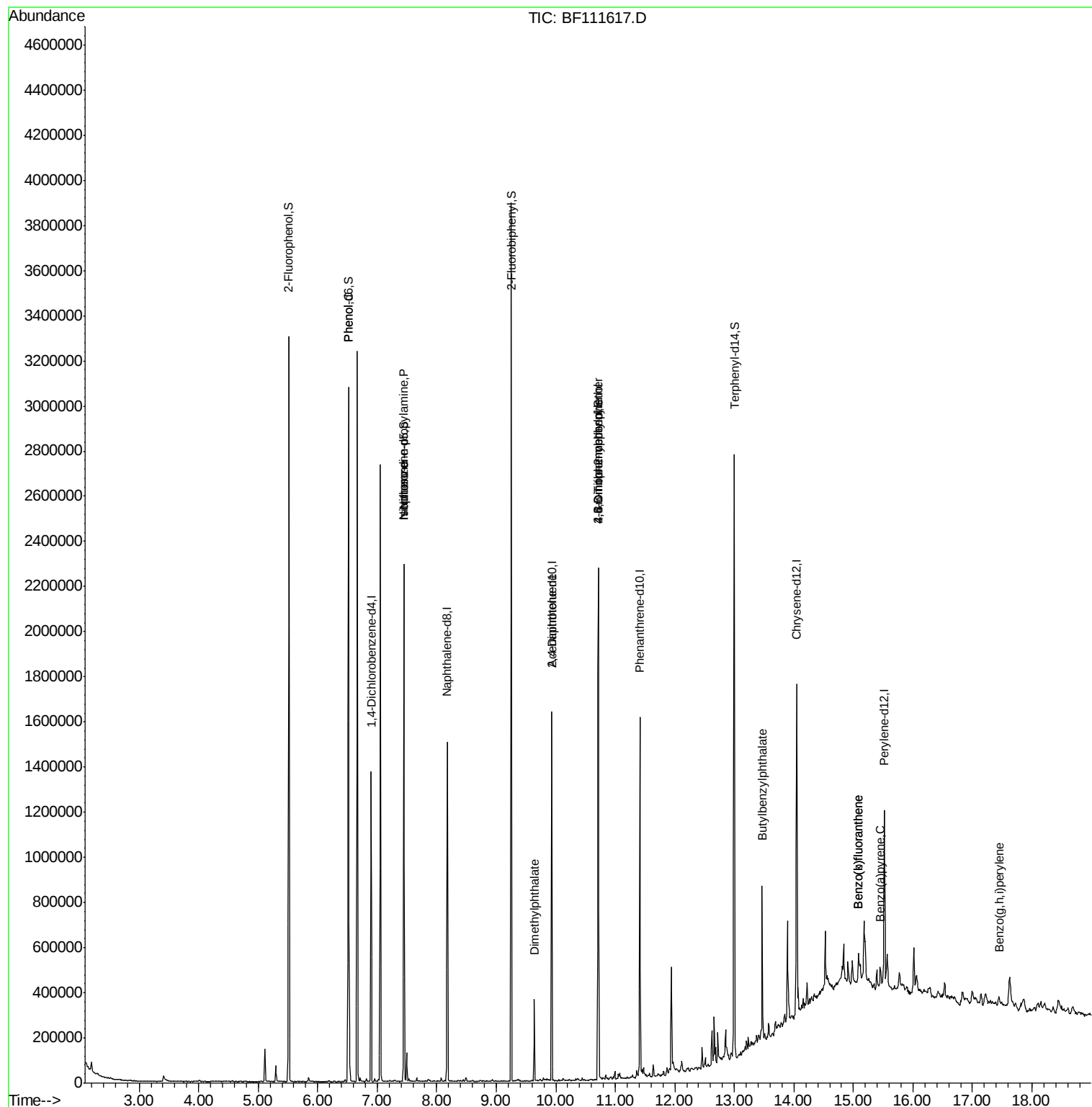
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	60226	3.887	ng	92
19) n-Nitroso-di-n-propylamine	7.45	70	81194	8.903	ng	# 79
25) Isophorone	7.45	82	608441	30.017	ng	# 64
50) Dimethylphthalate	9.64	163	120508	5.209	ng	97
57) 2,4-Dinitrotoluene	9.93	165	39073	7.048	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.71	198	326	6.814	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	15436	2.220	ng	# 1
80) Butylbenzylphthalate	13.47	149	140023	9.781	ng	91
88) Benzo(b)fluoranthene	15.09	252	101211	4.744	ng	95
89) Benzo(k)fluoranthene	15.09	252	101211	4.983	ng	94
90) Benzo(a)pyrene	15.46	252	43039	2.220	ng	96
92) Benzo(g,h,i)perylene	17.44	276	33484	2.020	ng	# 86

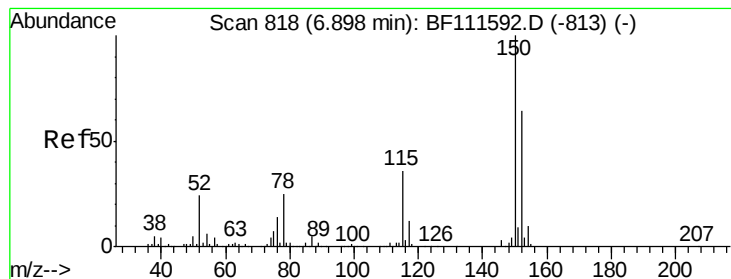
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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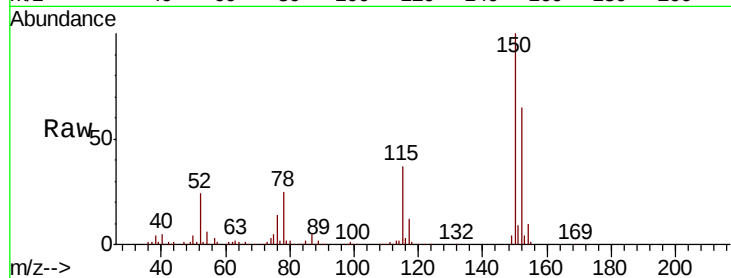


#1

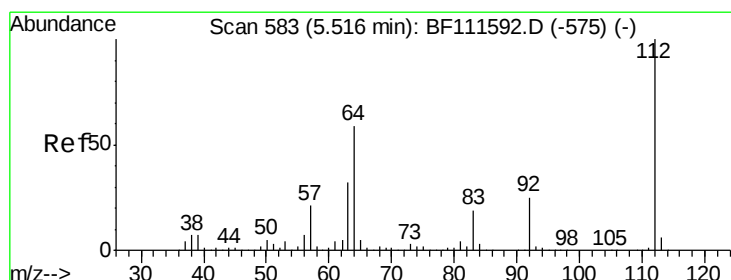
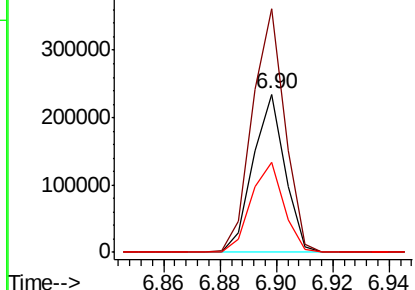
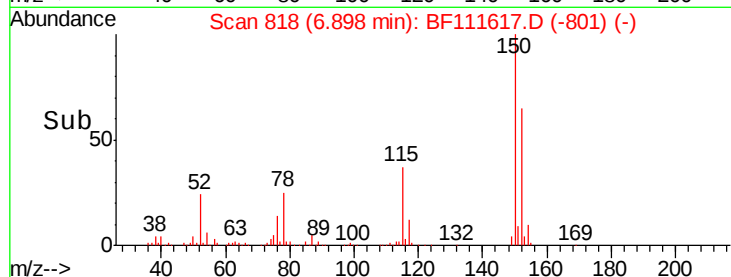
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Instrument :
BNA_F
ClientSampleId :
P001-SS005-0006-01

Tgt Ion:152 Resp: 183918
Ion Ratio Lower Upper
152 100
150 154.1 126.6 189.8
115 56.9 50.7 76.1



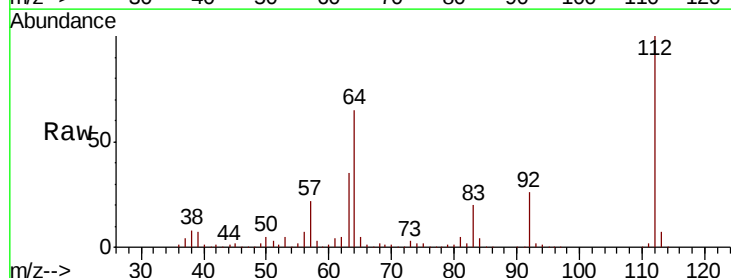
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



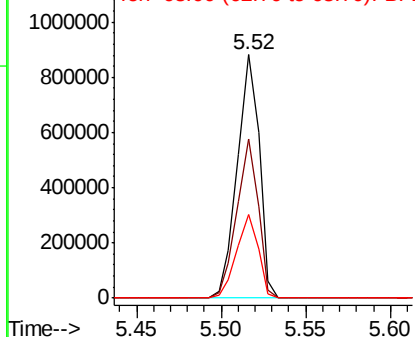
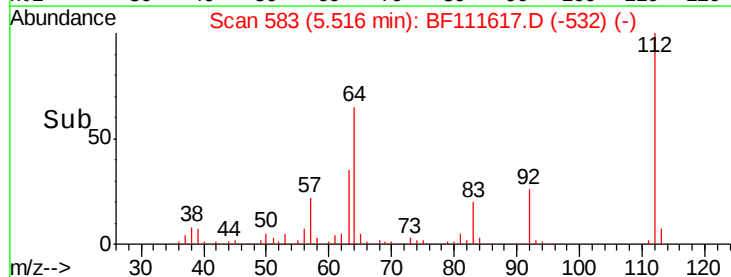
#5

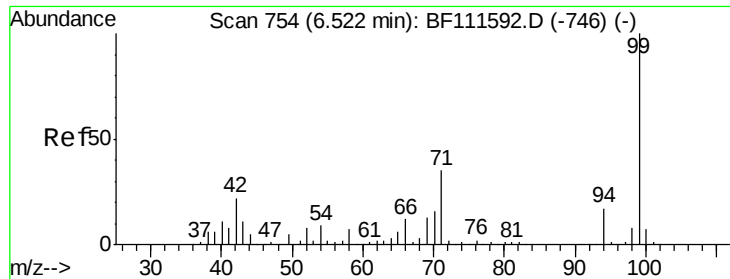
2-Fluorophenol
Concen: 74.293 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Tgt Ion:112 Resp: 801619
Ion Ratio Lower Upper
112 100
64 65.1 51.8 77.6
63 34.5 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 73.935 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111617.D

Acq: 20 Dec 2018 3:42

Instrument :

BNA_F

ClientSampleId :

P001-SS005-0006-01

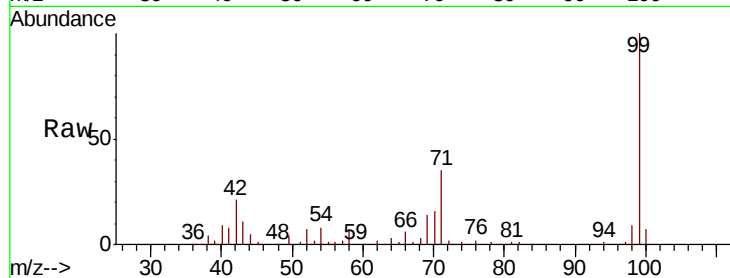
Tgt Ion: 99 Resp: 1015266

Ion Ratio Lower Upper

99 100

42 21.2 17.4 26.0

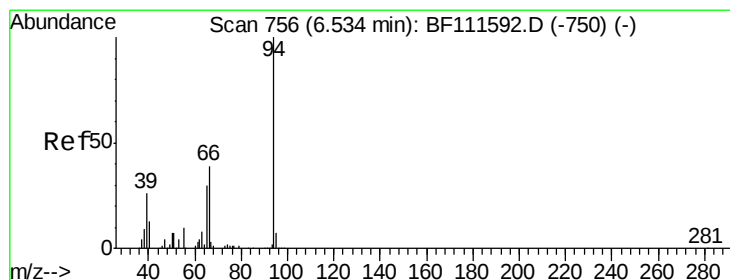
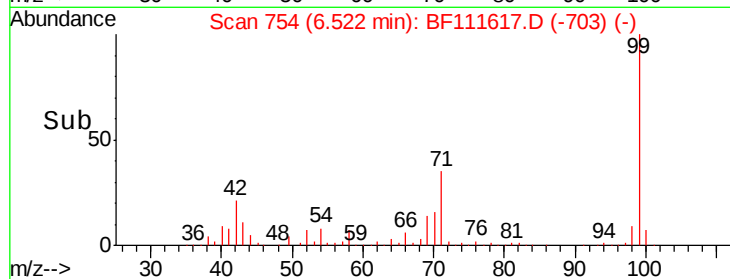
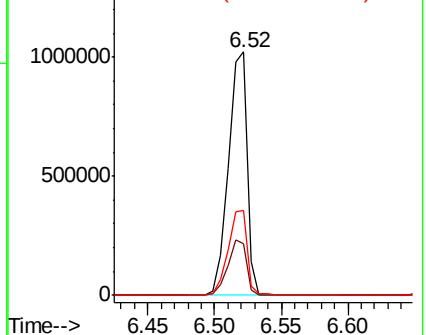
71 34.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.887 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF111617.D

Acq: 20 Dec 2018 3:42

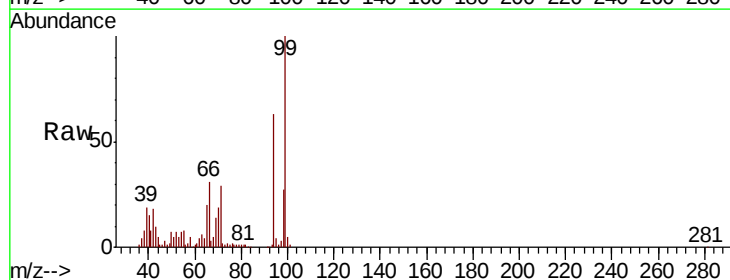
Tgt Ion: 94 Resp: 60226

Ion Ratio Lower Upper

94 100

65 32.6 11.7 51.7

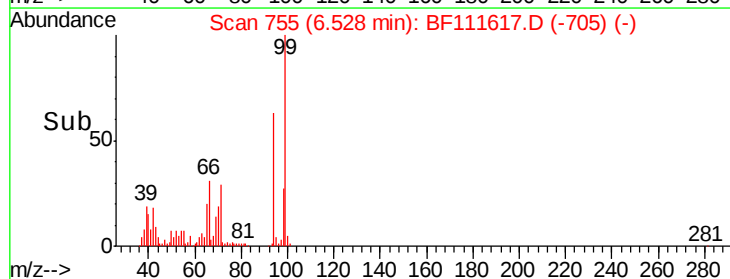
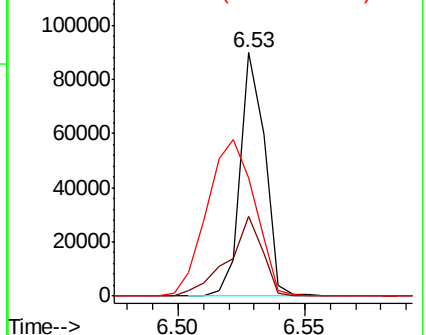
66 48.7 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

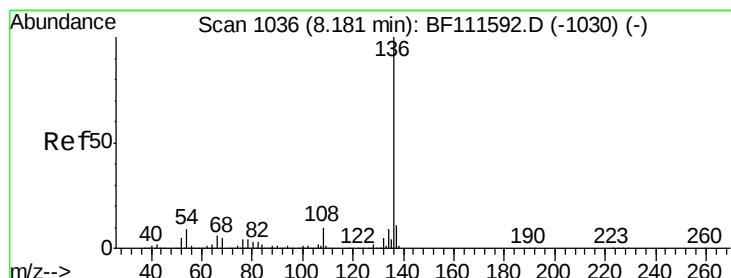
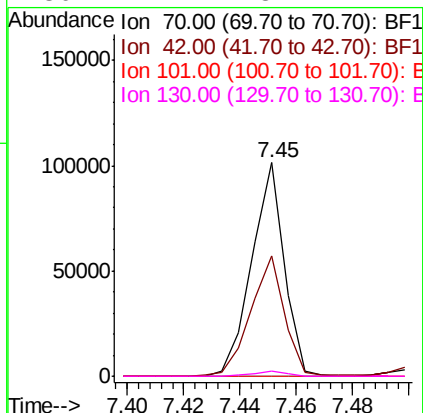
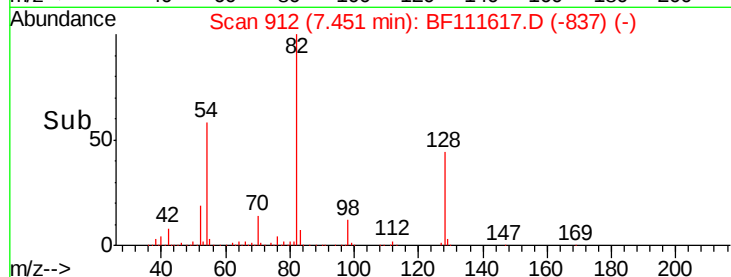
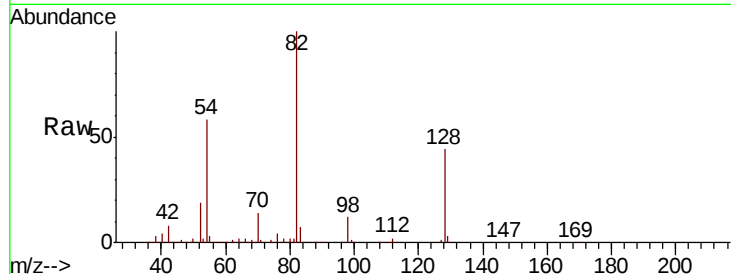




#19
n-Nitroso-di-n-propylamine
Concen: 8.903 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

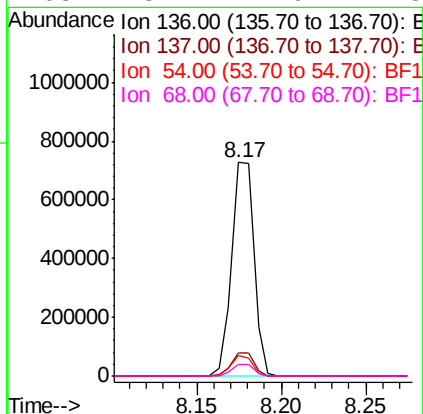
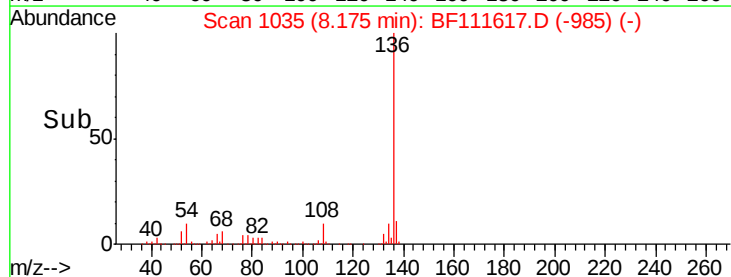
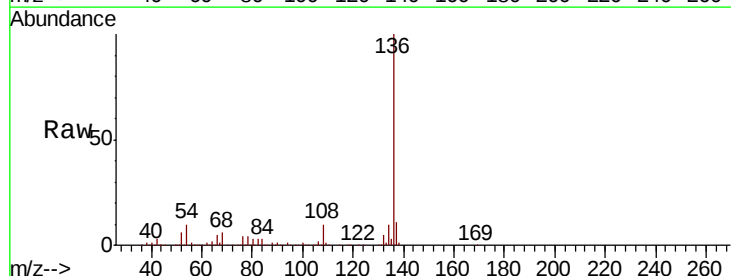
Instrument :
BNA_F
ClientSampleId :
P001-SS005-0006-01

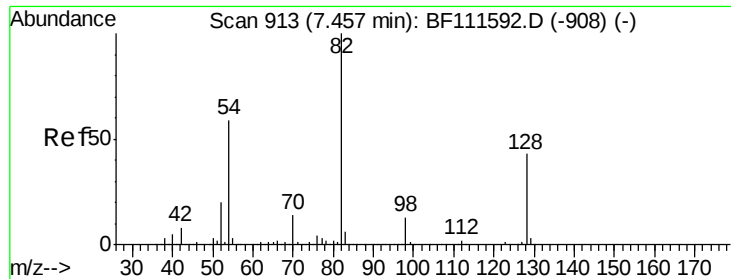
Tgt Ion: 70 Resp: 81194
Ion Ratio Lower Upper
70 100
42 56.2 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Tgt Ion: 136 Resp: 664609
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.9 7.7 11.5
68 5.7 4.9 7.3

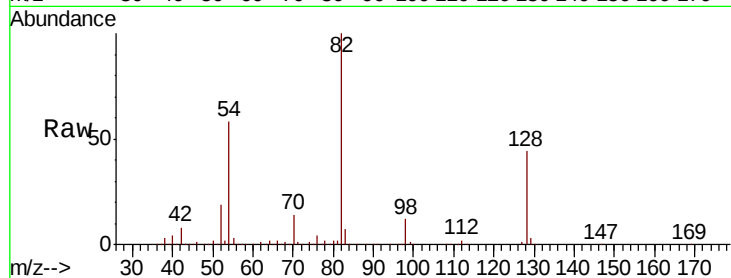




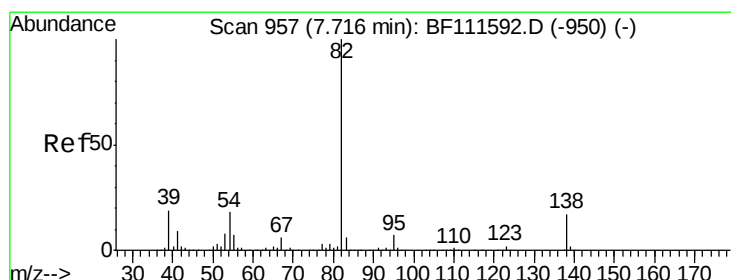
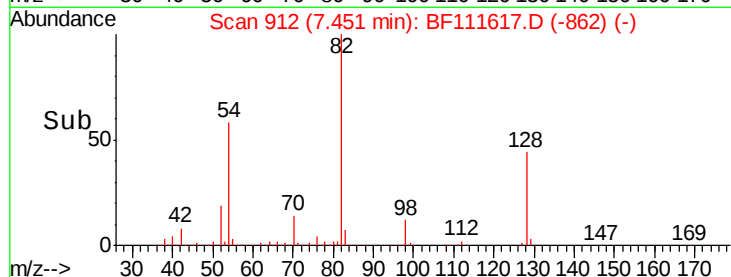
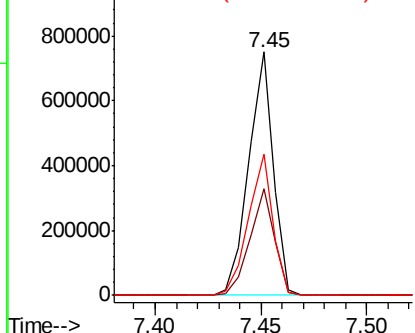
#23
Nitrobenzene-d5
Concen: 53.290 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Instrument :
BNA_F
ClientSampleId :
P001-SS005-0006-01

Tgt Ion: 82 Resp: 608454
Ion Ratio Lower Upper
82 100
128 44.0 37.4 56.2
54 57.9 47.6 71.4

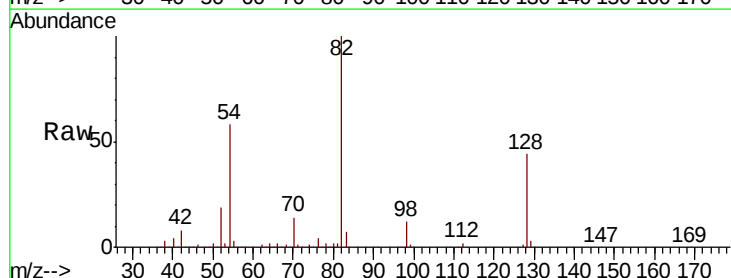


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

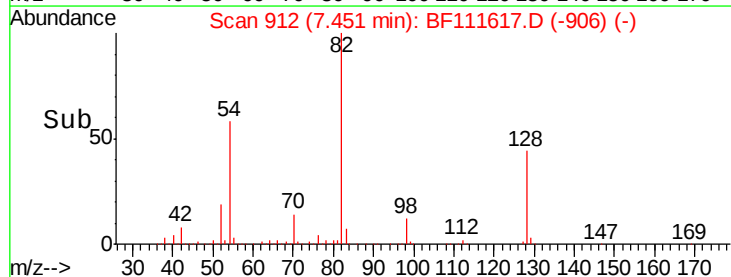
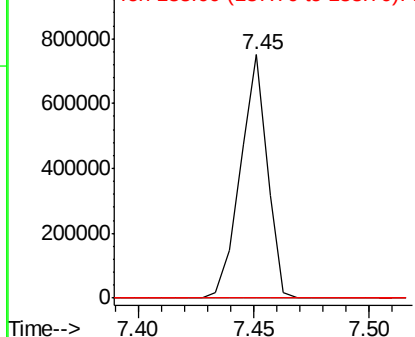


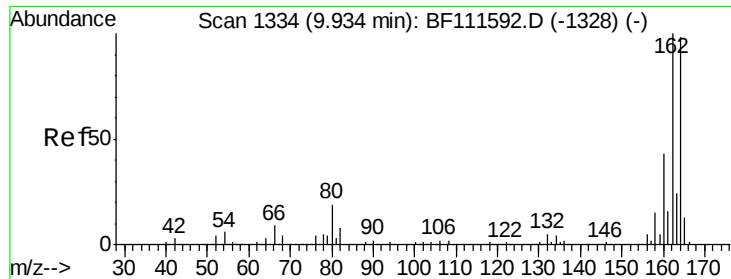
#25
Isophorone
Concen: 30.017 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Tgt Ion: 82 Resp: 608441
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111617.D

Acq: 20 Dec 2018 3:42

Instrument :

BNA_F

ClientSampleId :

P001-SS005-0006-01

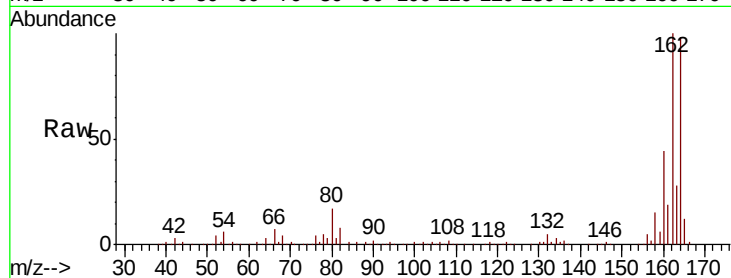
Tgt Ion:164 Resp: 316348

Ion Ratio Lower Upper

164 100

162 102.0 81.4 122.0

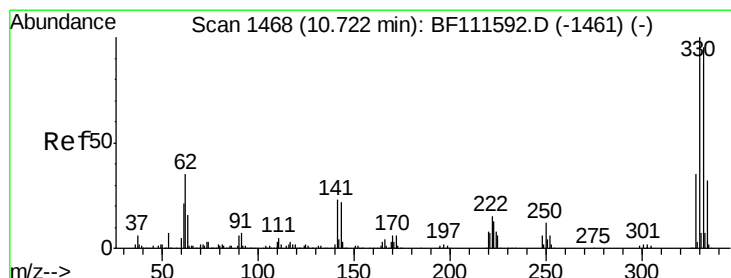
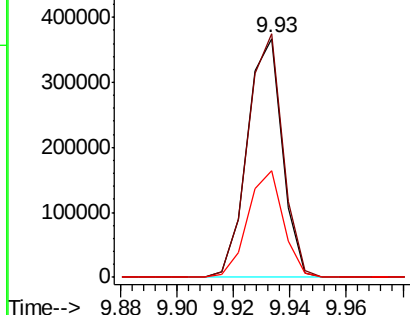
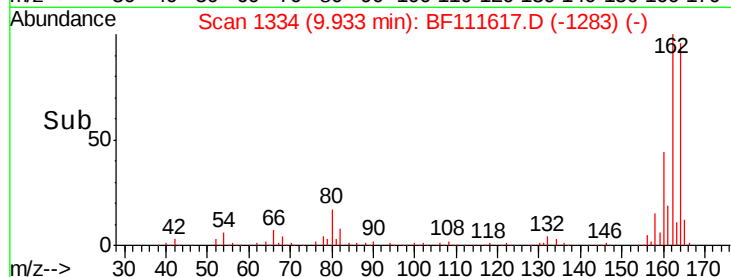
160 44.5 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 70.550 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111617.D

Acq: 20 Dec 2018 3:42

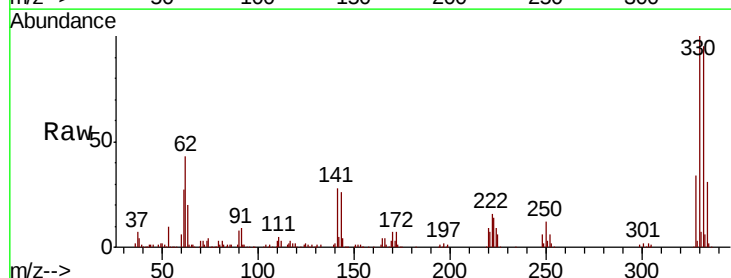
Tgt Ion:330 Resp: 263710

Ion Ratio Lower Upper

330 100

332 96.3 76.0 114.0

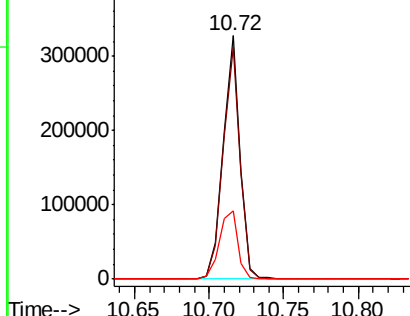
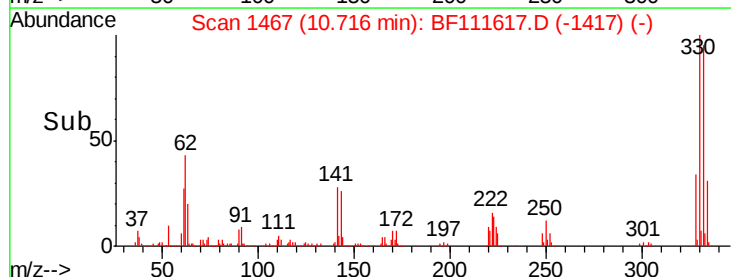
141 30.7 31.0 46.6#

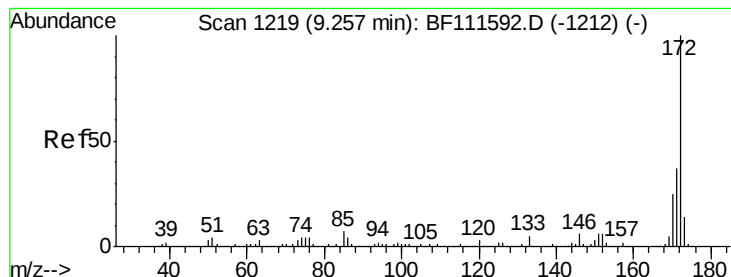


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 49.022 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF111617.D

Acq: 20 Dec 2018 3:42

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P001-SS005-0006-01

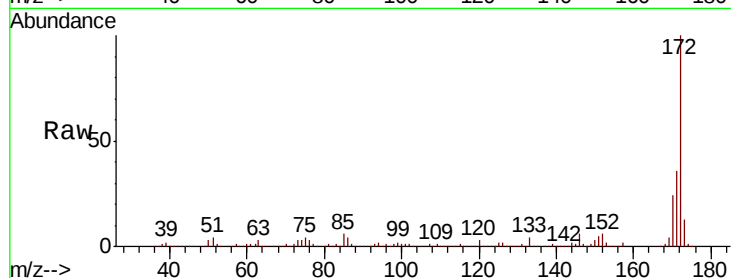
Tgt Ion:172 Resp: 1063954

Ion Ratio Lower Upper

172 100

171 35.9 33.0 49.4

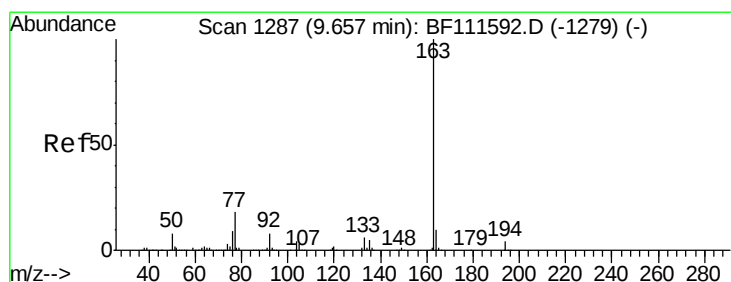
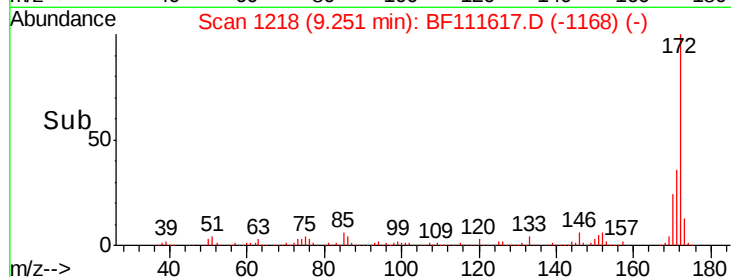
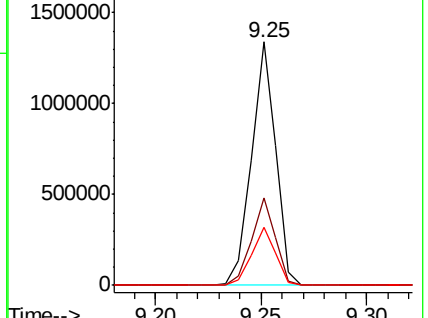
170 24.1 22.3 33.5



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



#50

Dimethylphthalate

Concen: 5.209 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF111617.D

Acq: 20 Dec 2018 3:42

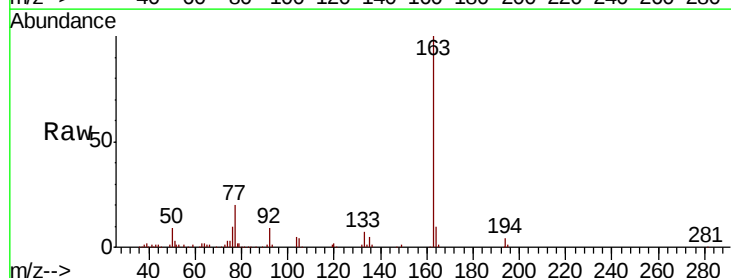
Tgt Ion:163 Resp: 120508

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

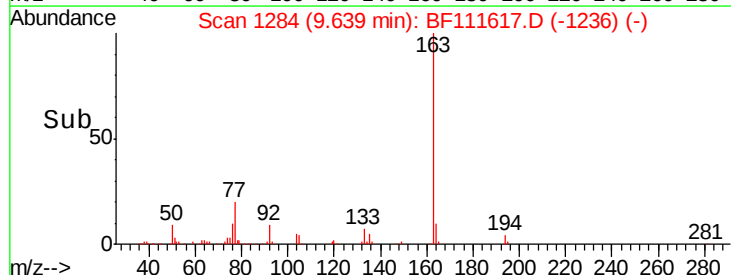
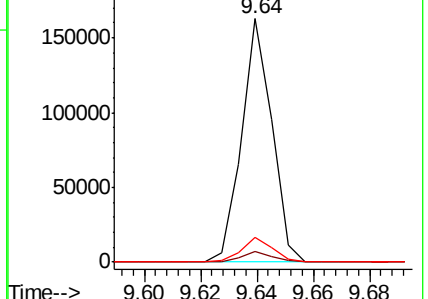
164 10.0 8.9 13.3

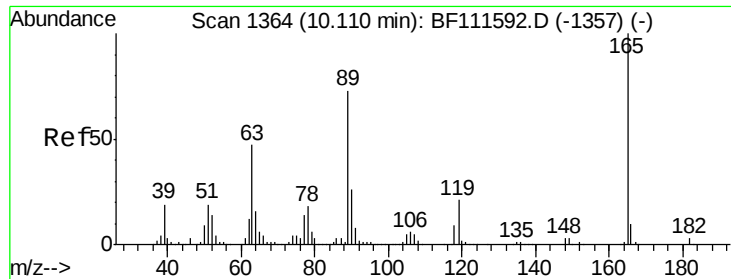


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

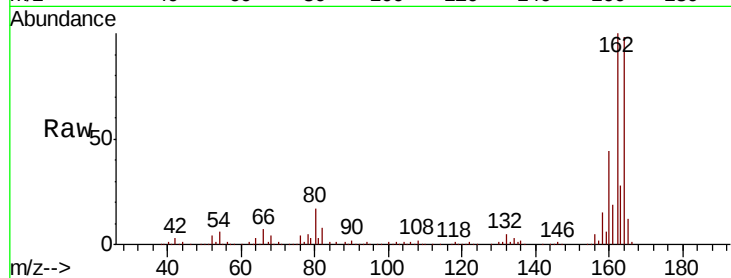




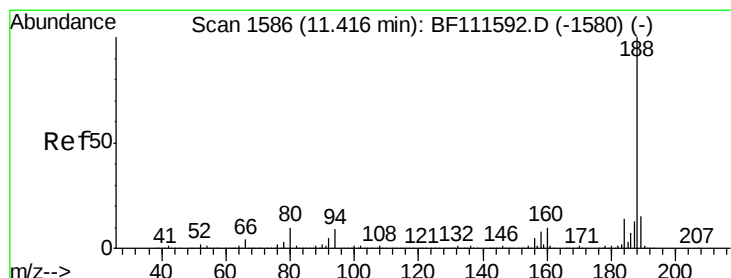
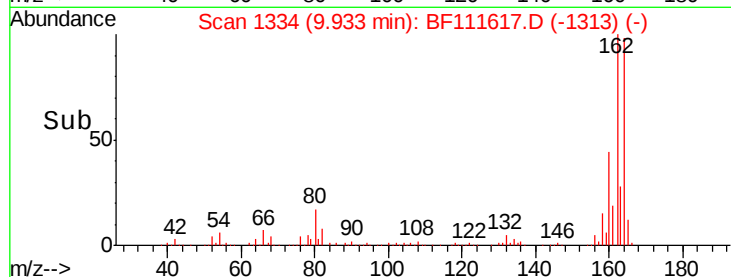
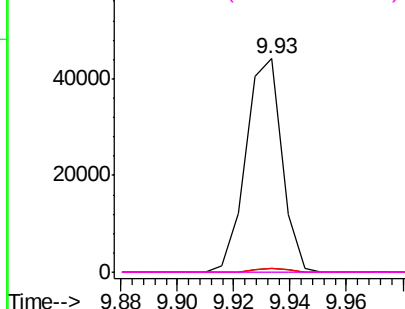
#57
 2,4-Dinitrotoluene
 Concen: 7.048 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF111617.D
 Acq: 20 Dec 2018 3:42

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS005-0006-01

Tgt Ion:	165	Resp:	39073
Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.6	52.0#
89	2.1	56.2	84.4#
182	0.0	1.8	2.6#

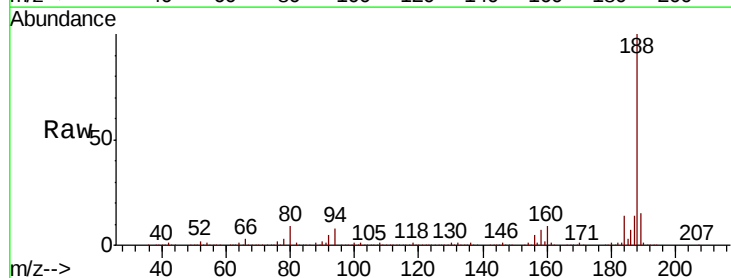


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

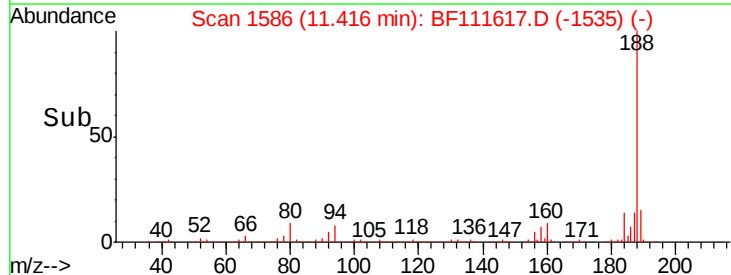
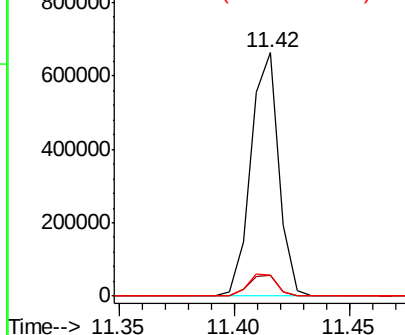


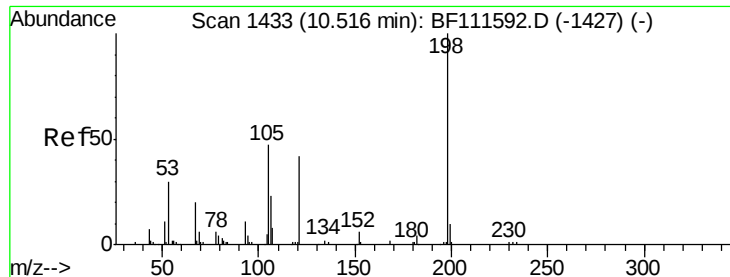
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111617.D
 Acq: 20 Dec 2018 3:42

Tgt Ion:	188	Resp:	560569
Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.6	14.4#
80	8.5	9.8	14.6#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

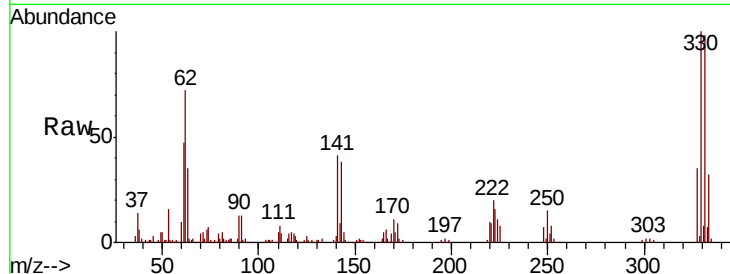




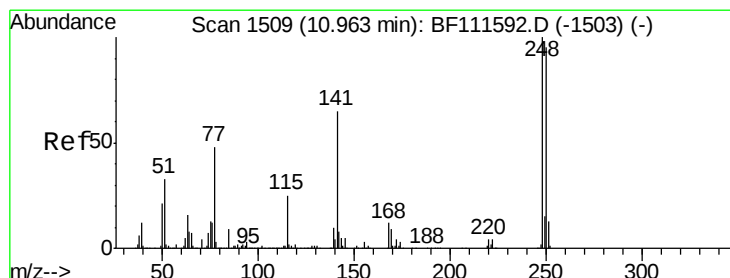
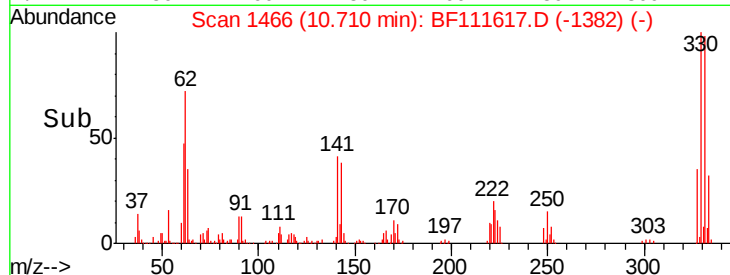
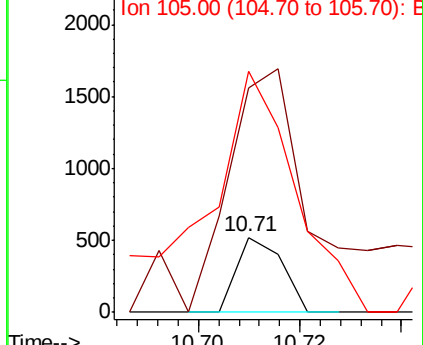
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.814 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF111617.D
 Acq: 20 Dec 2018 3:42

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS005-0006-01

Tgt Ion:198 Resp: 326
 Ion Ratio Lower Upper
 198 100
 51 299.8 48.0 88.0#
 105 321.1 34.0 74.0#

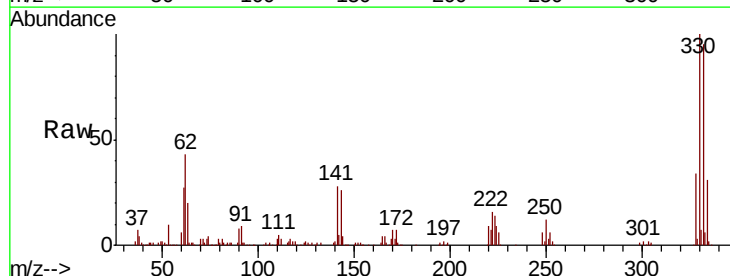


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

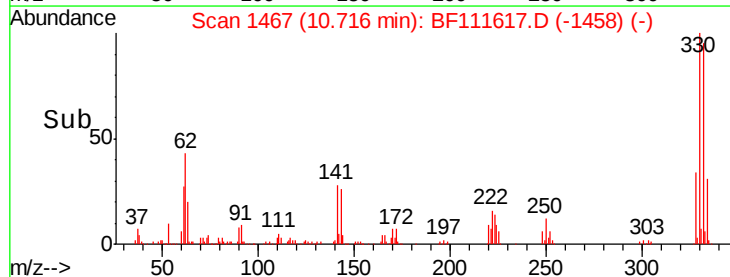
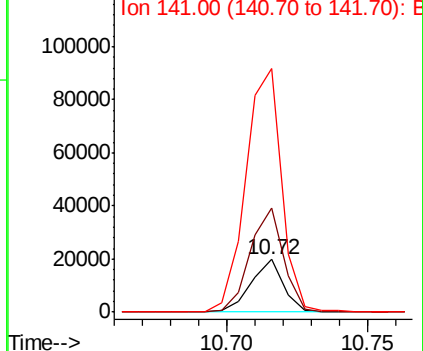


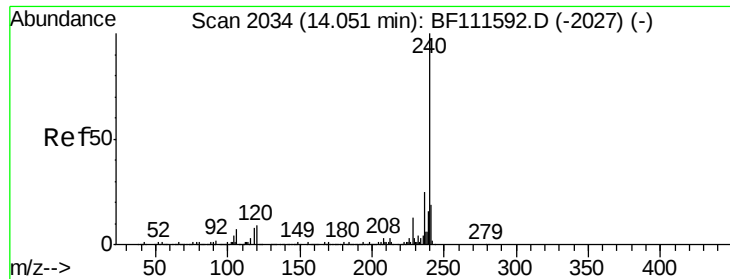
#67
 4-Bromophenyl-phenylether
 Concen: 2.220 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF111617.D
 Acq: 20 Dec 2018 3:42

Tgt Ion:248 Resp: 15436
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.0 115.4#
 141 463.4 63.0 94.6#



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

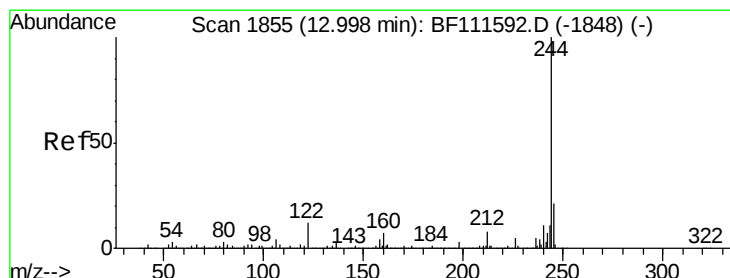
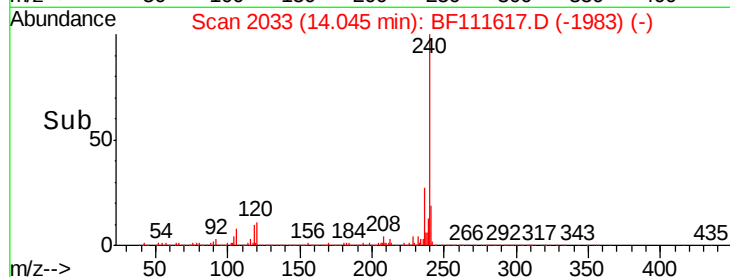
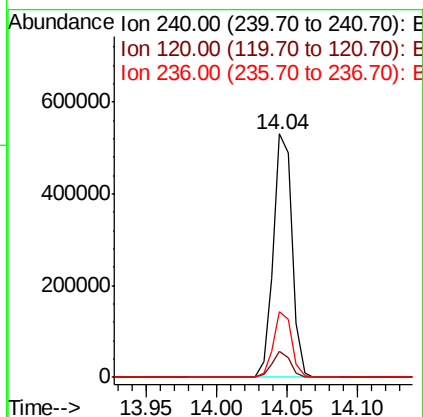
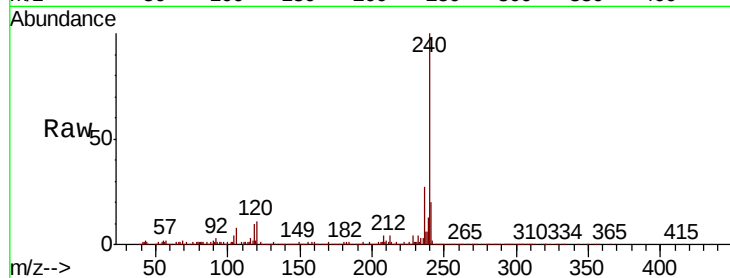




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

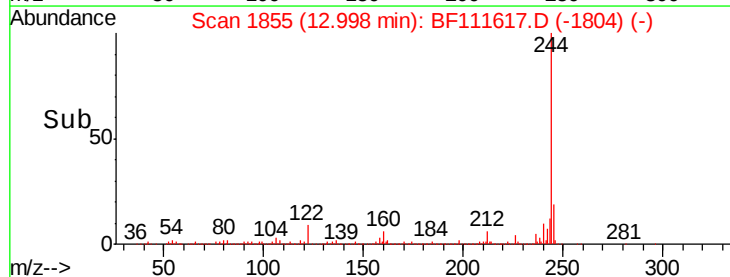
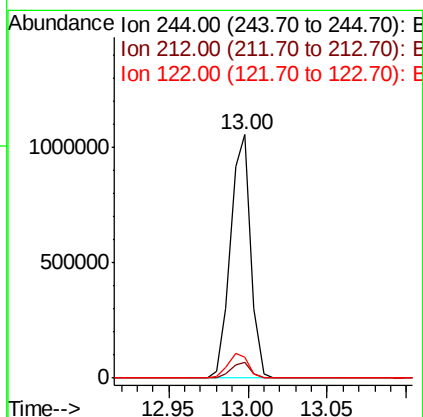
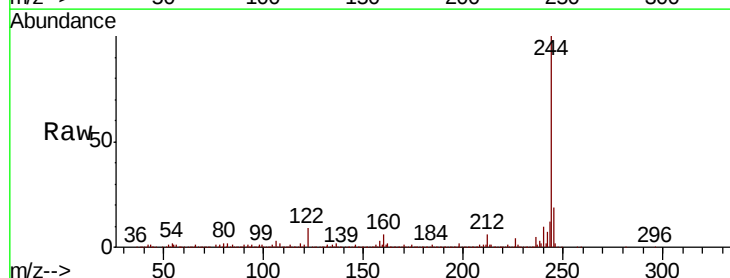
Instrument :
BNA_F
ClientSampleId :
P001-SS005-0006-01

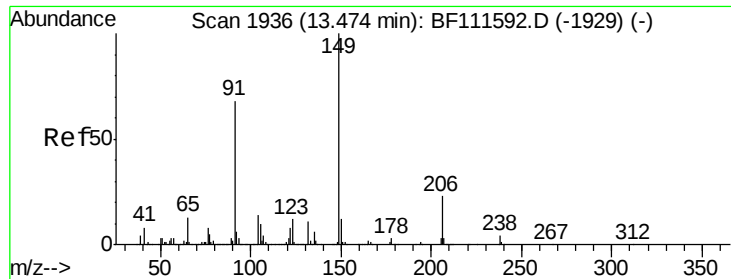
Tgt Ion:240 Resp: 497351
Ion Ratio Lower Upper
240 100
120 10.9 12.2 18.2#
236 26.9 20.2 30.2



#79
Terphenyl-d14
Concen: 35.357 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Tgt Ion:244 Resp: 927269
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 8.6 13.1 19.7#

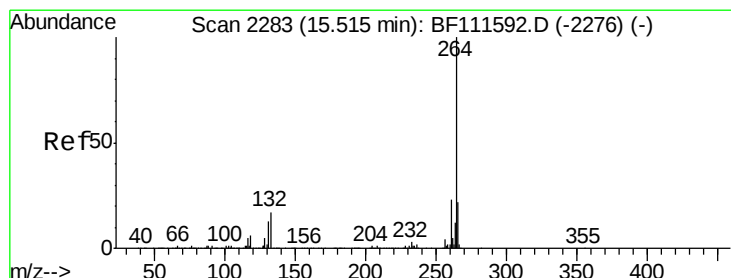
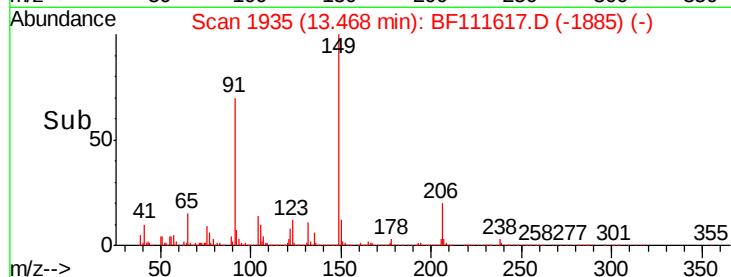
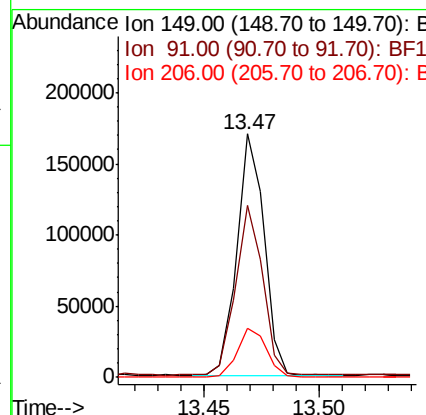
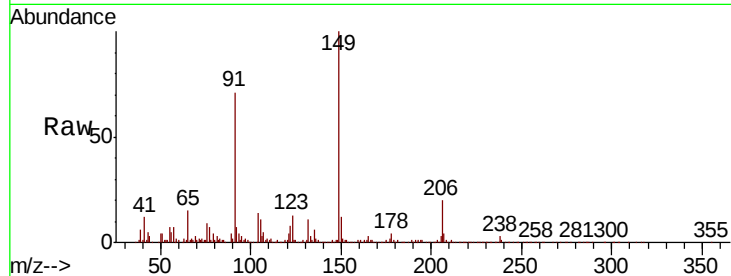




#80
Butylbenzylphthalate
Concen: 9.781 ng
RT: 13.47 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

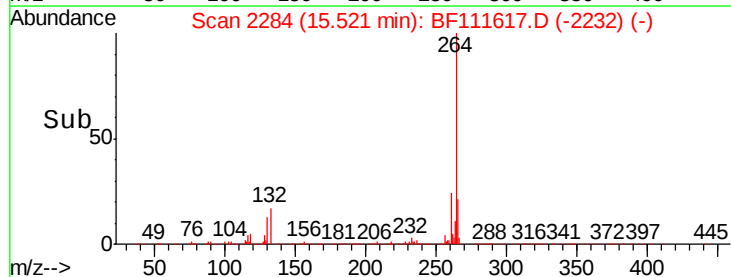
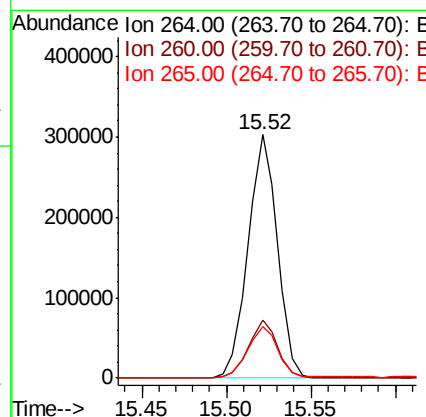
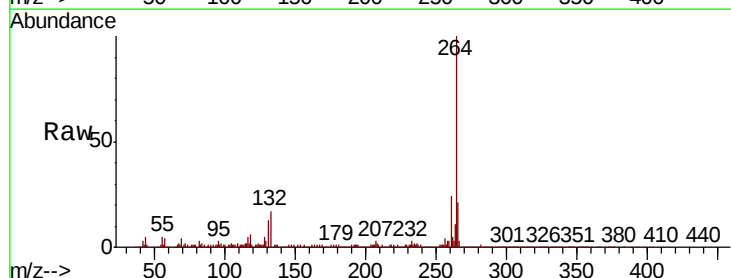
Instrument :
BNA_F
ClientSampleId :
P001-SS005-0006-01

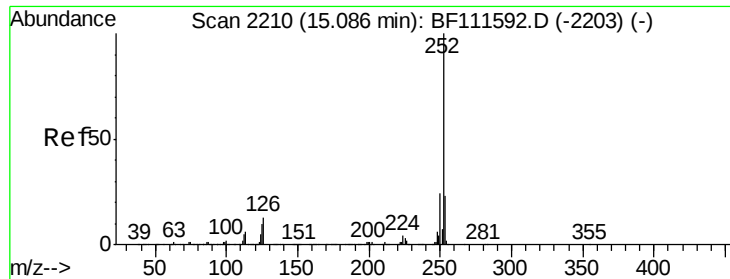
Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.7	63.8	95.6
206	20.0	15.1	22.7



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	21.5	17.7	26.5

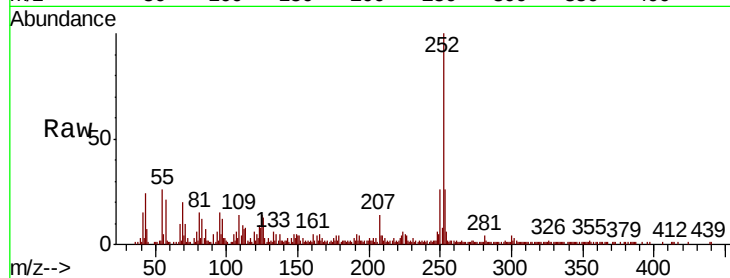




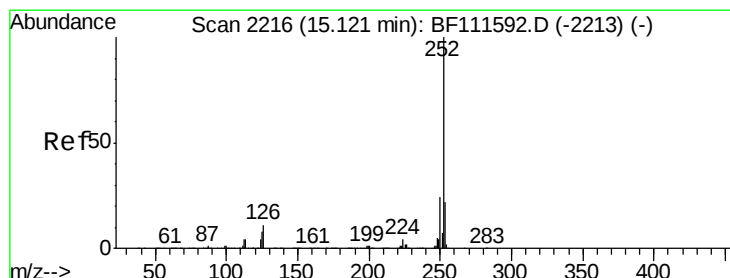
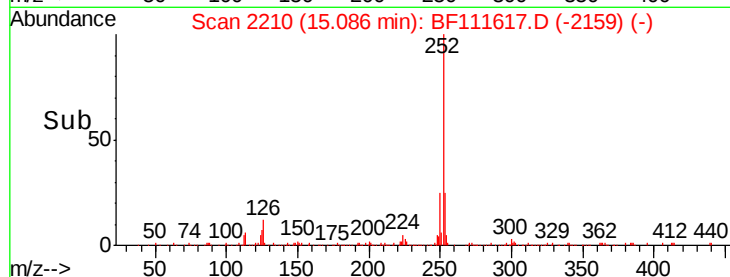
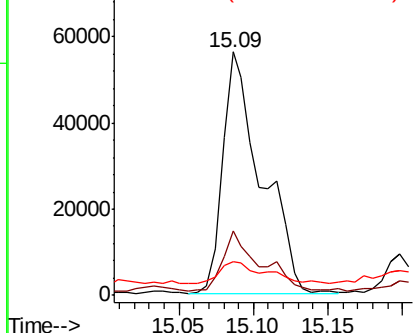
#88
Benzo(b)fluoranthene
Concen: 4.744 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Instrument :
BNA_F
ClientSampleId :
P001-SS005-0006-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.2	27.2
125	13.6	10.4	15.6

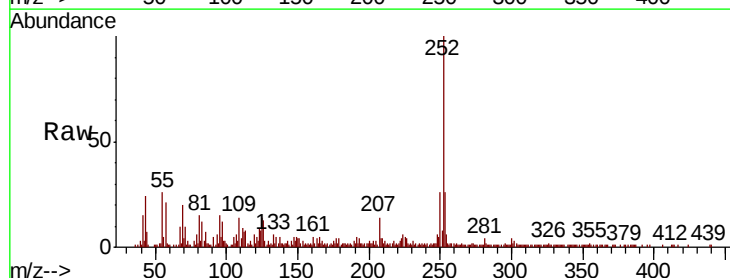


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

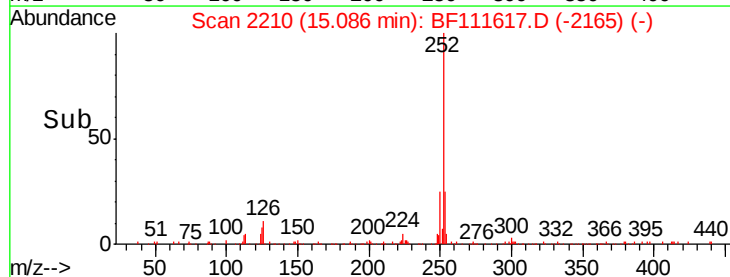
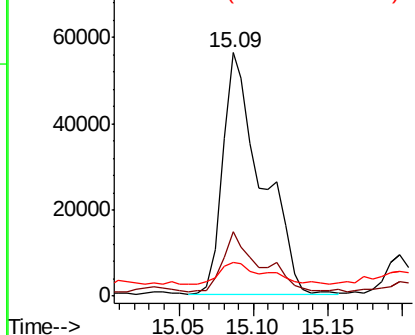


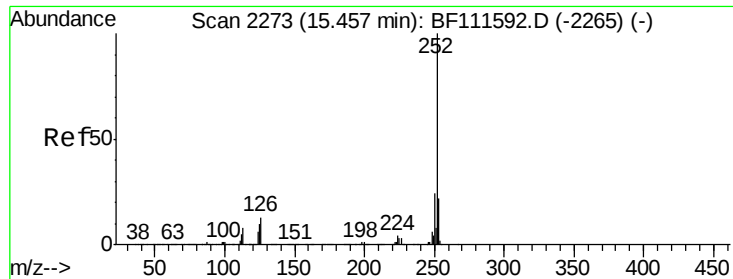
#89
Benzo(k)fluoranthene
Concen: 4.983 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.1	27.1
125	13.6	9.8	14.8



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

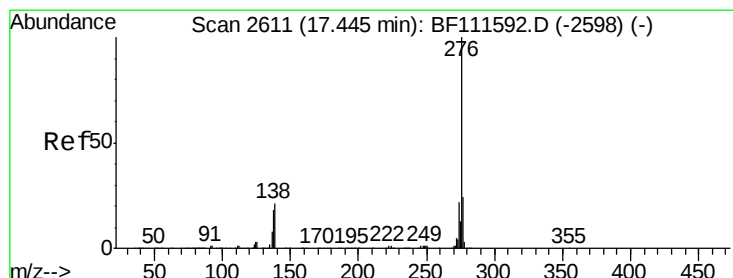
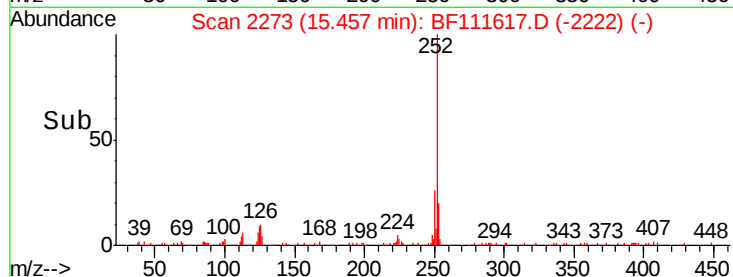
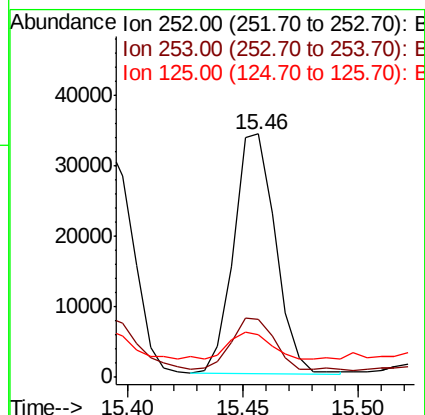
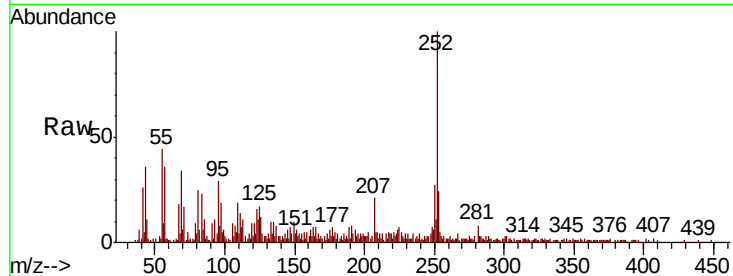




#90
Benzo(a)pyrene
Concen: 2.220 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Instrument :
BNA_F
ClientSampleId :
P001-SS005-0006-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	17.4	12.3	18.5



#92
Benzo(g,h,i)perylene
Concen: 2.020 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.00 min
Lab File: BF111617.D
Acq: 20 Dec 2018 3:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	19.2	28.8
138	21.2	24.9	37.3

