

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111374.D
 Acq On : 13 Dec 2018 17:18
 Operator : JU/SJ
 Sample : J6331-19RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Dec 13 20:45:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	273577	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1040024	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	433420	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	613729	20.00	ng	0.00
76) Chrysene-d12	13.95	240	414064	20.00	ng	0.00
87) Perylene-d12	15.40	264	342954	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	2371579	146.59	ng	0.02
7) Phenol-d6	6.44	99	3040504	139.39	ng	0.00
23) Nitrobenzene-d5	7.36	82	1901966	103.08	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	465619	121.87	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2694879	99.82	ng	0.00
79) Terphenyl-d14	12.90	244	1640371	87.19	ng	0.00

Target Compounds

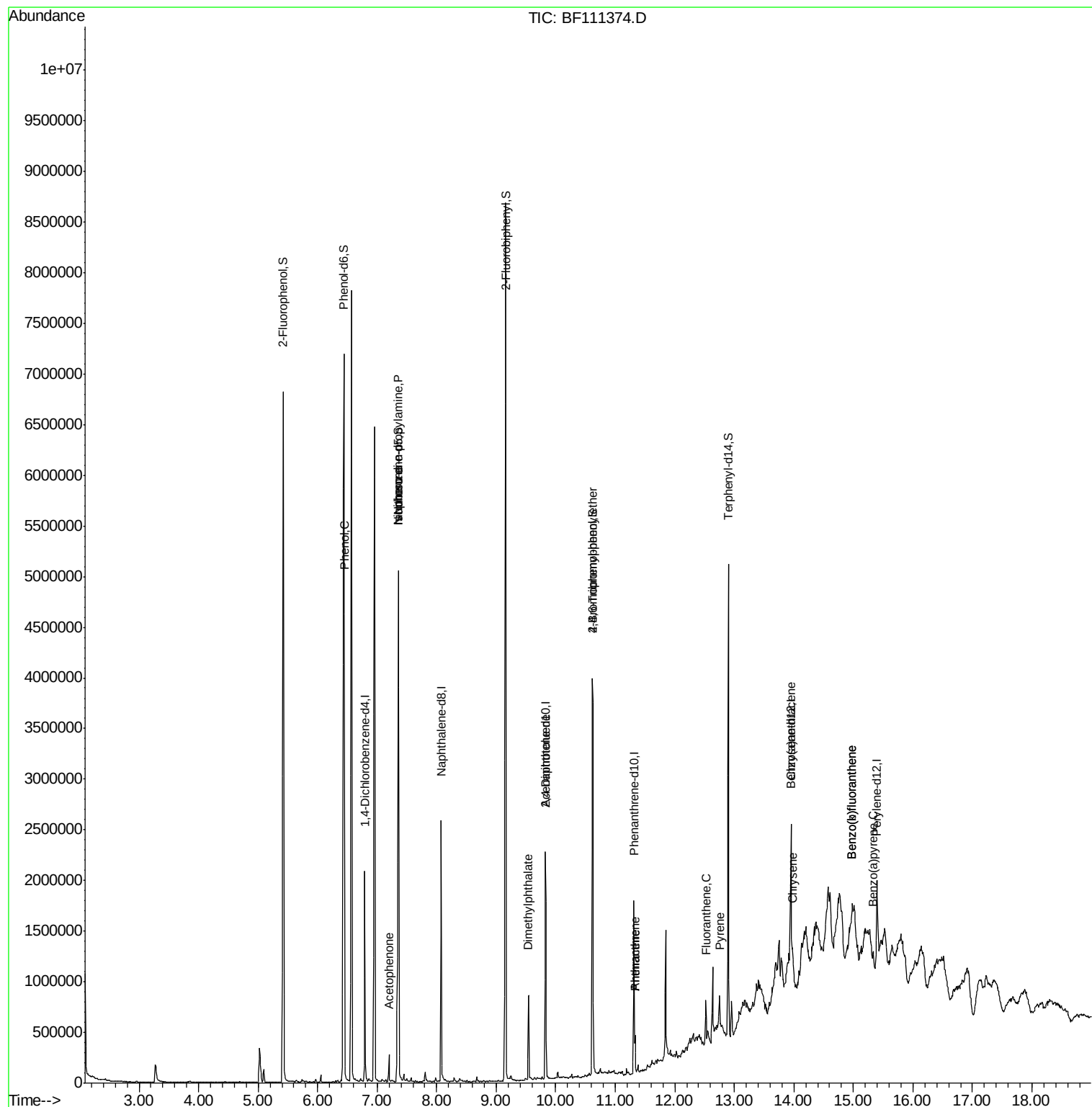
						Qvalue
9) Benzaldehyde	6.33	77	3321	Below Cal		92
10) Phenol	6.45	94	165354	6.692 ng		89
19) n-Nitroso-di-n-propylamine	7.36	70	254692	17.572 ng	#	78
22) Acetophenone	7.20	105	77764	3.219 ng	#	83
25) Isophorone	7.36	82	1876414	59.866 ng	#	64
50) Dimethylphthalate	9.55	163	344037	11.038 ng		96
57) 2,4-Dinitrotoluene	9.83	165	55659	6.286 ng	#	25
67) 4-Bromophenyl-phenylether	10.62	248	30995	4.537 ng	#	1
71) Phenanthrene	11.33	178	116738	3.680 ng		92
72) Anthracene	11.33	178	116738	3.614 ng		93
75) Fluoranthene	12.52	202	166899	5.389 ng		97
78) Pyrene	12.75	202	135904	4.253 ng		95
81) Benzo(a)anthracene	13.94	228	63055	2.722 ng		97
83) Chrysene	13.97	228	58016	2.454 ng		97
88) Benzo(b)fluoranthene	14.99	252	93189	4.779 ng	#	55
89) Benzo(k)fluoranthene	14.99	252	93189	4.787 ng	#	55
90) Benzo(a)pyrene	15.33	252	44835	2.469 ng	#	55

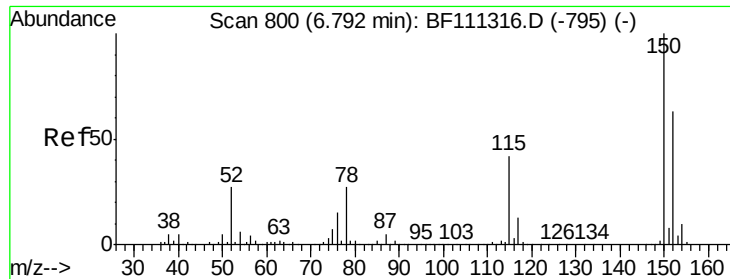
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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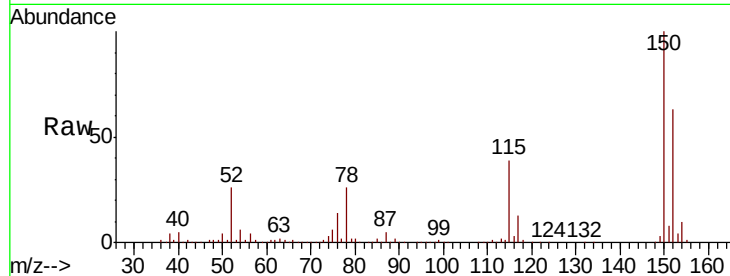


#1

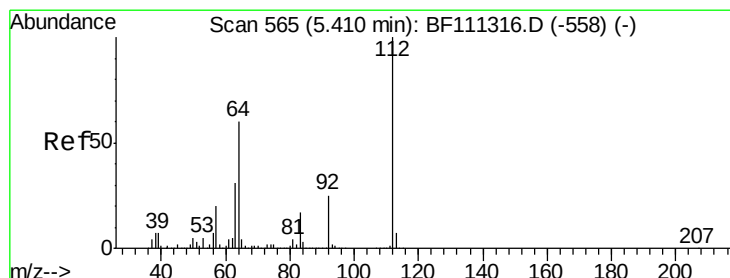
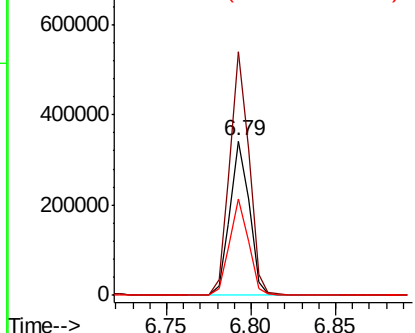
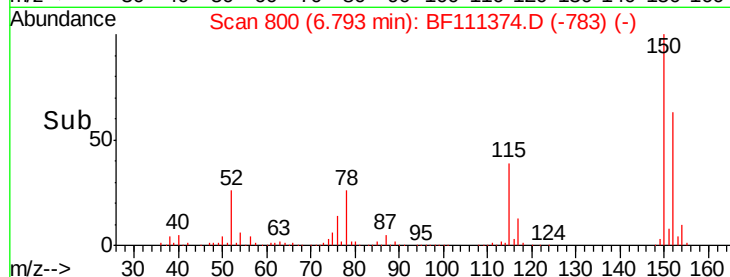
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 273577
Ion Ratio Lower Upper
152 100
150 157.9 126.6 189.8
115 62.2 50.7 76.1



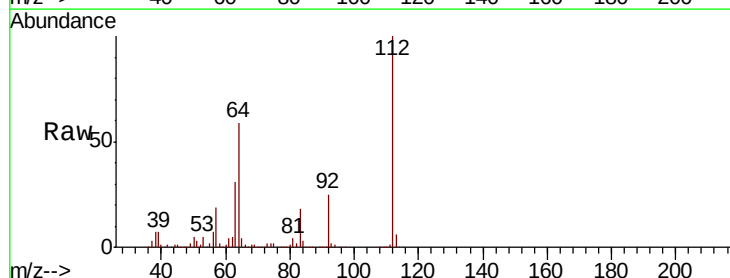
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



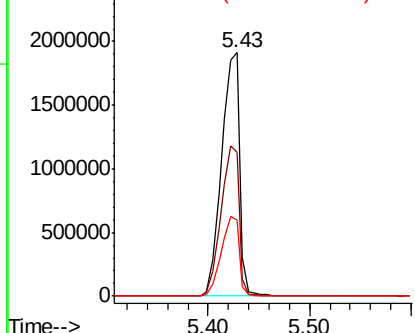
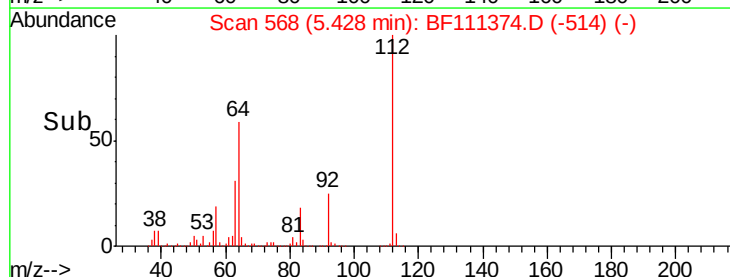
#5

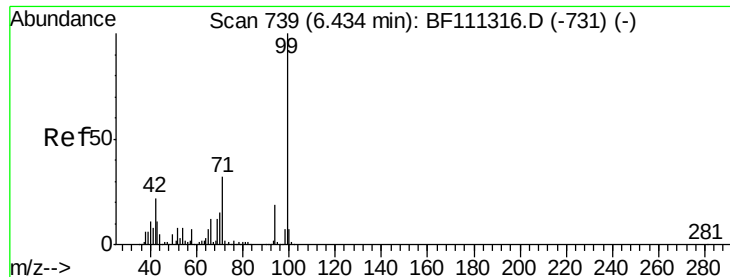
2-Fluorophenol
Concen: 146.592 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

Tgt Ion:112 Resp: 2371579
Ion Ratio Lower Upper
112 100
64 59.1 51.8 77.6
63 31.0 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: 139.393 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4

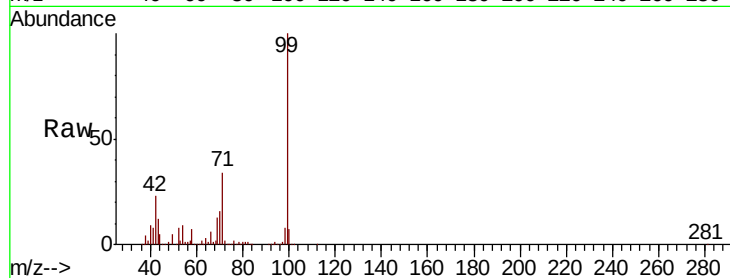
Tgt Ion: 99 Resp: 3040504

Ion Ratio Lower Upper

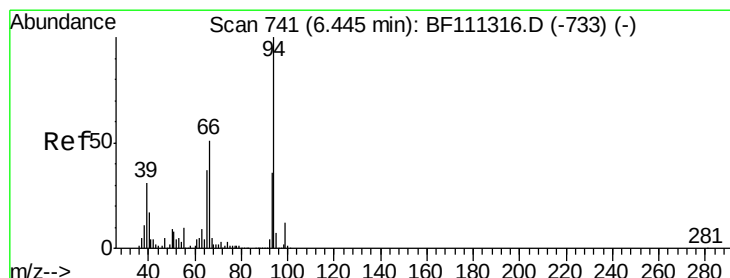
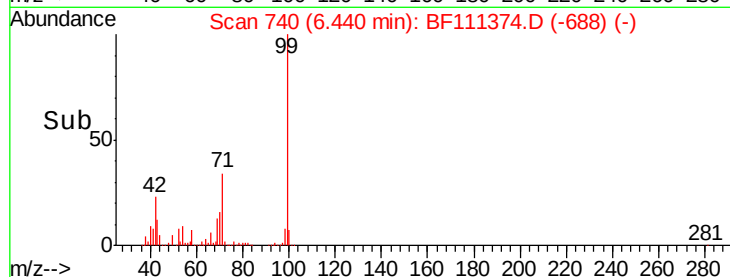
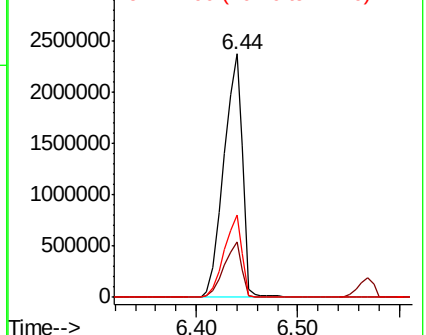
99 100

42 22.6 17.4 26.0

71 33.9 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: 6.692 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

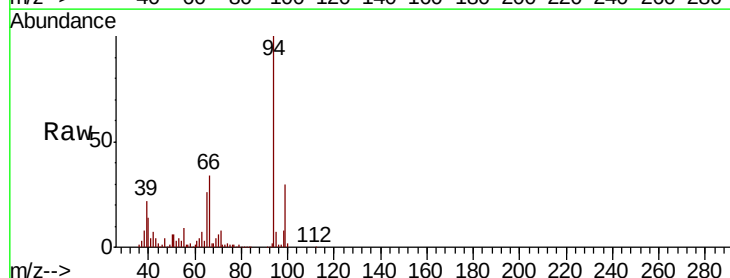
Tgt Ion: 94 Resp: 165354

Ion Ratio Lower Upper

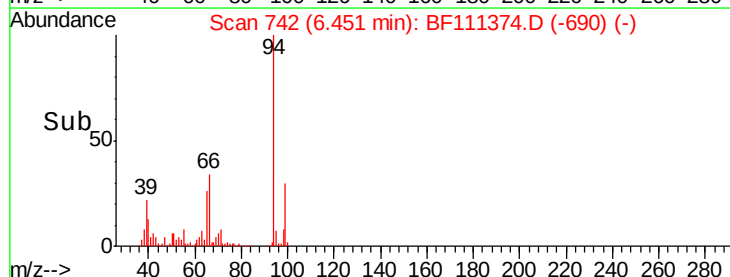
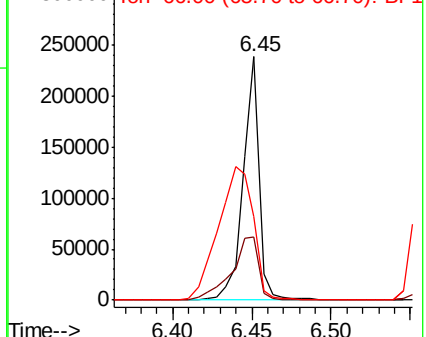
94 100

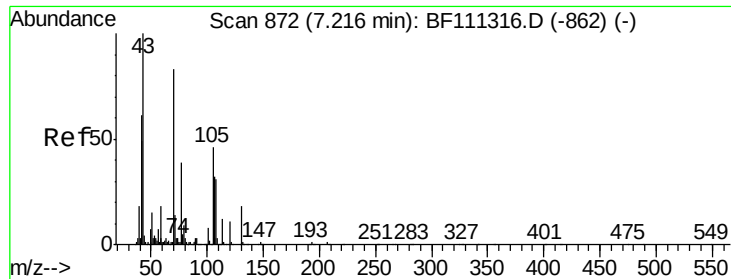
65 26.0 11.7 51.7

66 34.3 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

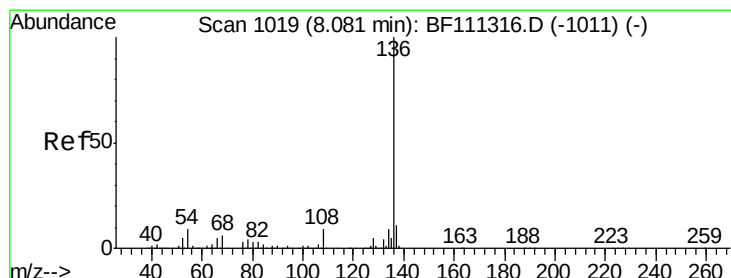
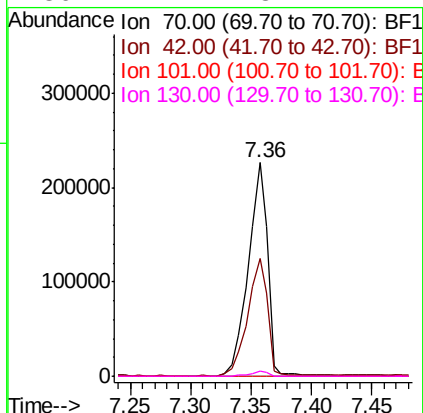
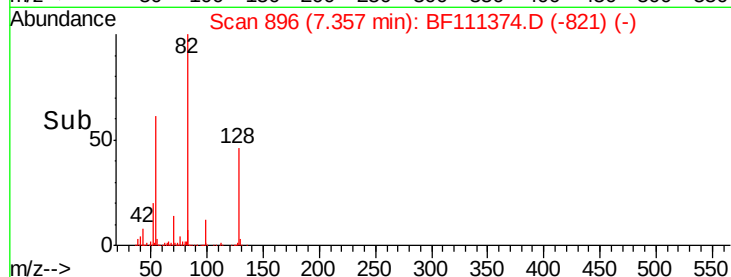
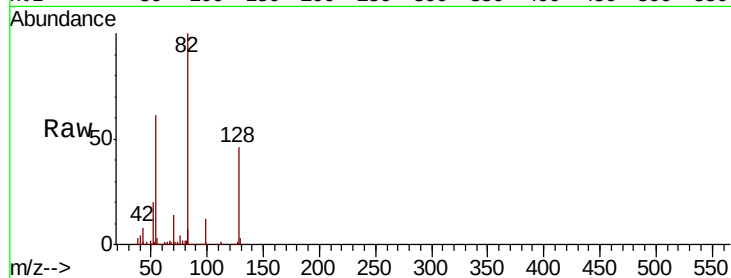




#19
n-Nitroso-di-n-propylamine
Concen: 17.572 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

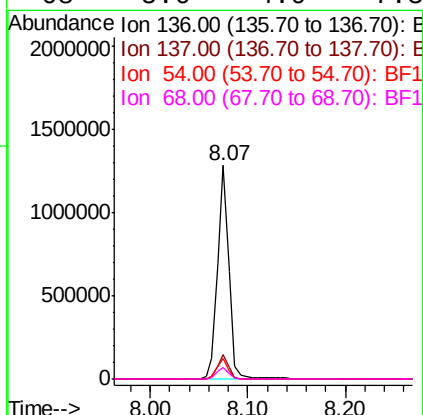
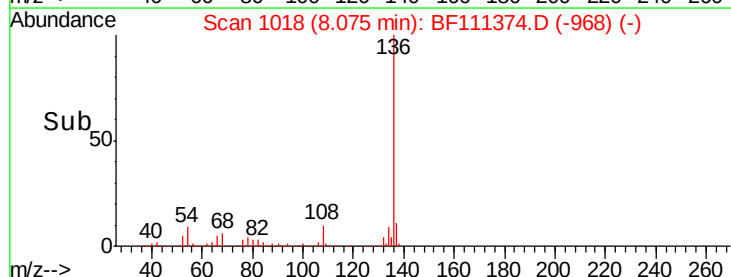
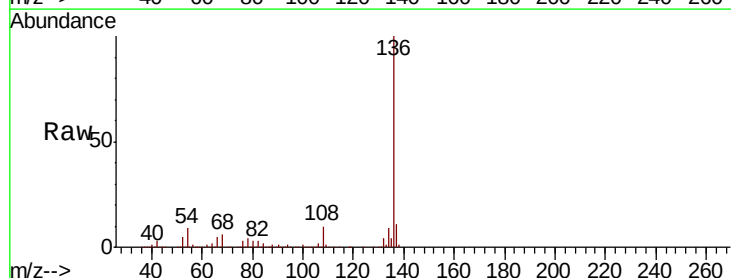
Instrument :
BNA_F
ClientSampleId :
TP-4

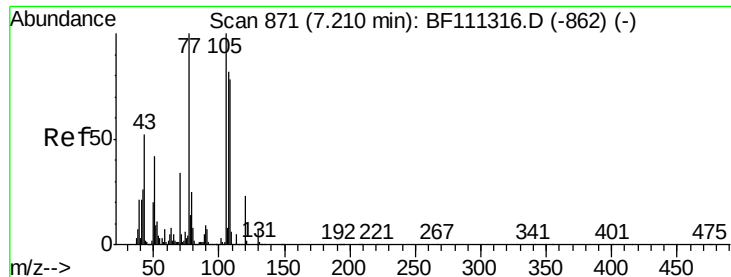
Tgt Ion: 70 Resp: 254692
Ion Ratio Lower Upper
70 100
42 55.1 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

Tgt Ion: 136 Resp: 1040024
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.3 7.7 11.5
68 5.6 4.9 7.3





#22

Acetophenone

Concen: 3.219 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion:105 Resp: 77764

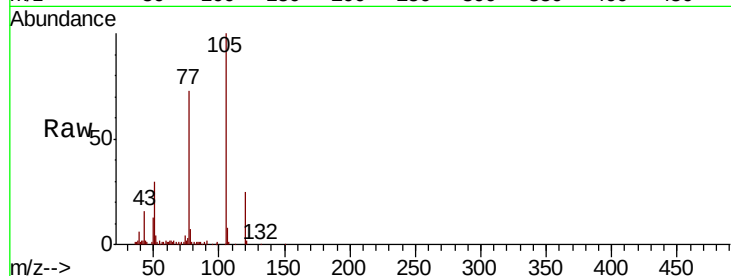
Ion Ratio Lower Upper

105 100

71 0.7 3.1 4.7#

51 30.2 36.6 54.8#

120 25.3 18.2 27.4

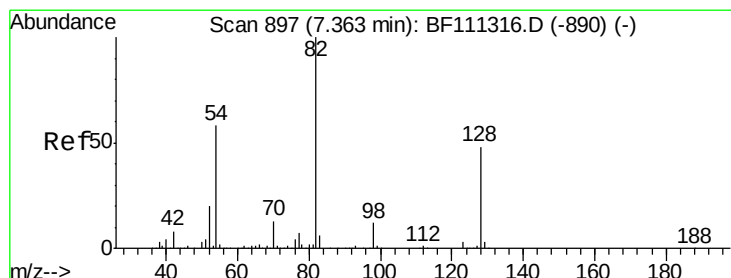
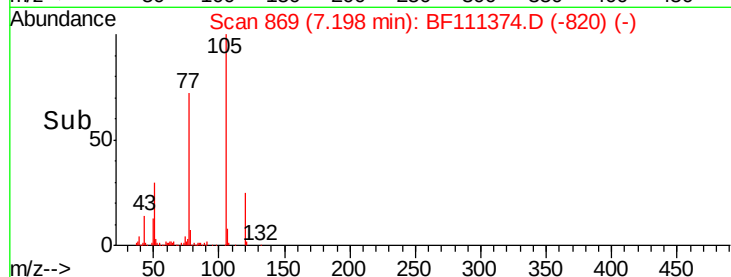
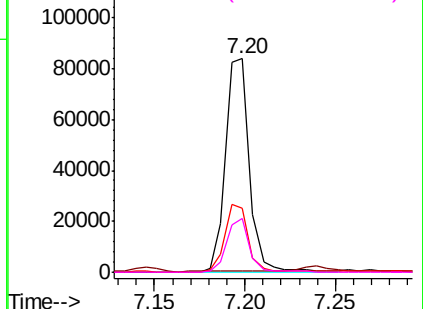


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 103.076 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

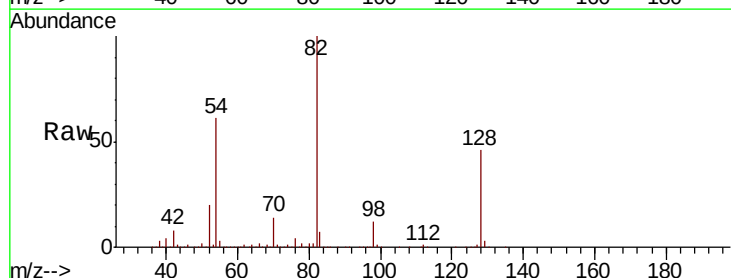
Tgt Ion: 82 Resp: 1901966

Ion Ratio Lower Upper

82 100

128 46.3 37.4 56.2

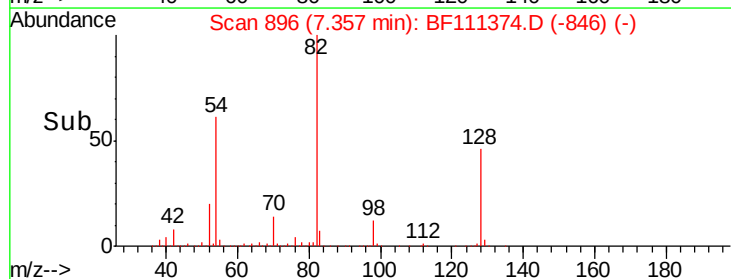
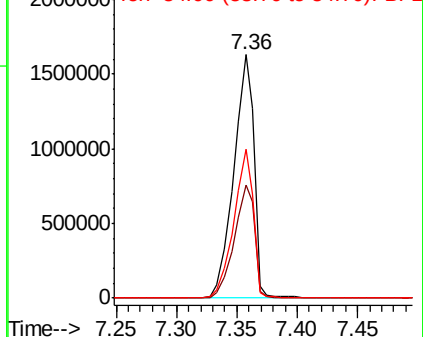
54 61.3 47.6 71.4

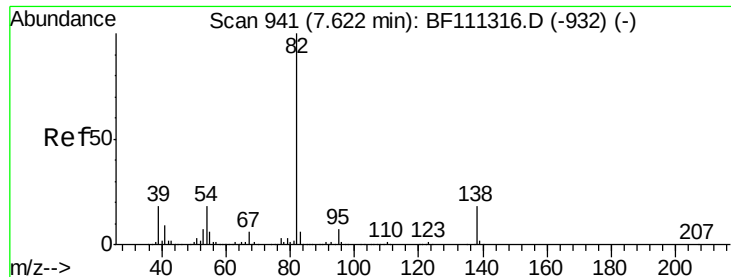


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 59.866 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampled :

TP-4

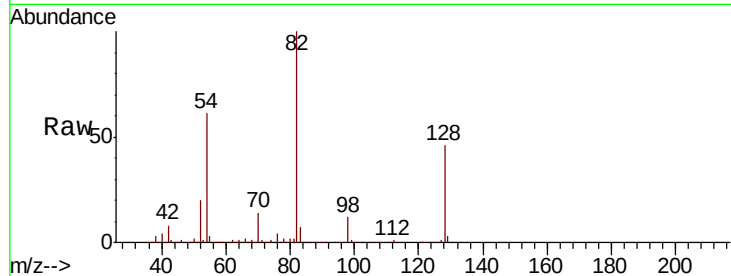
Tgt Ion: 82 Resp: 1876414

Ion Ratio Lower Upper

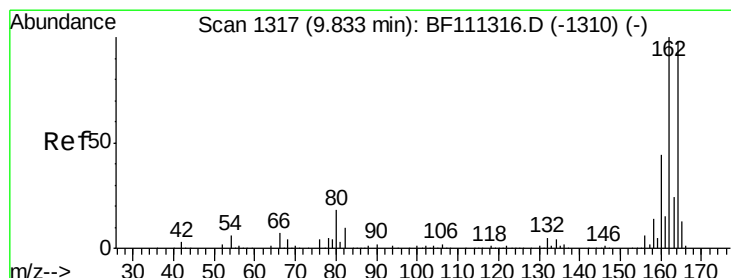
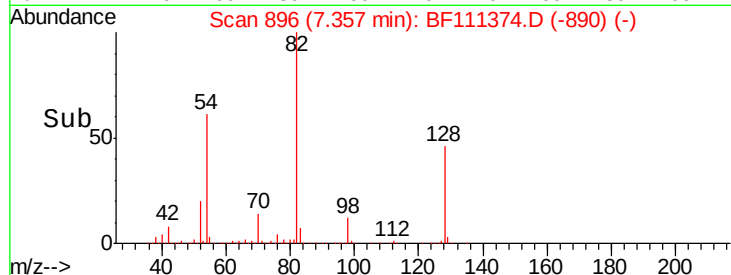
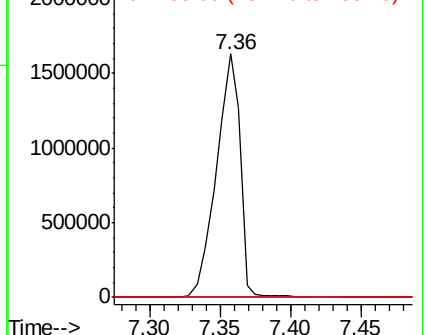
82 100

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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

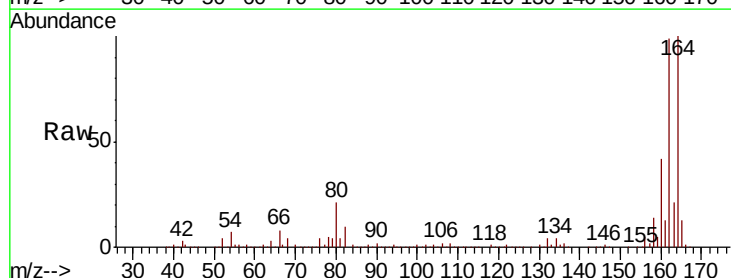
Tgt Ion: 164 Resp: 433420

Ion Ratio Lower Upper

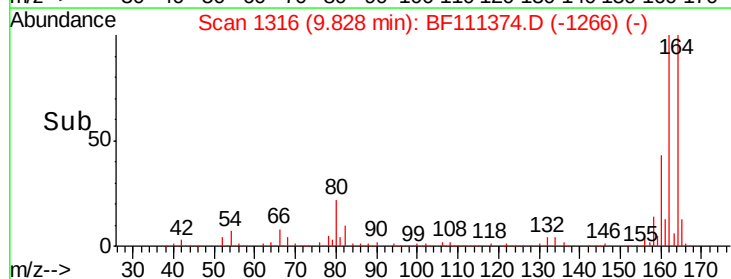
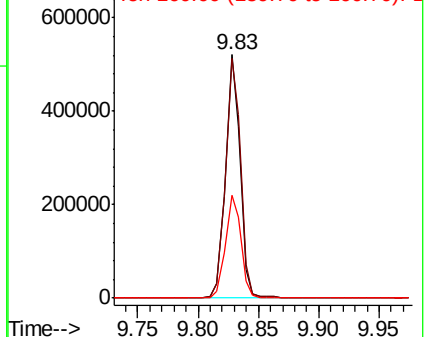
164 100

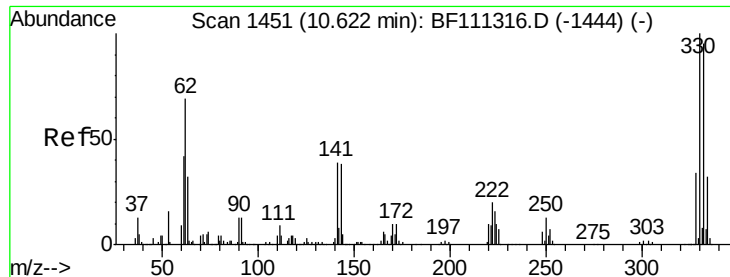
162 98.6 81.4 122.0

160 42.1 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

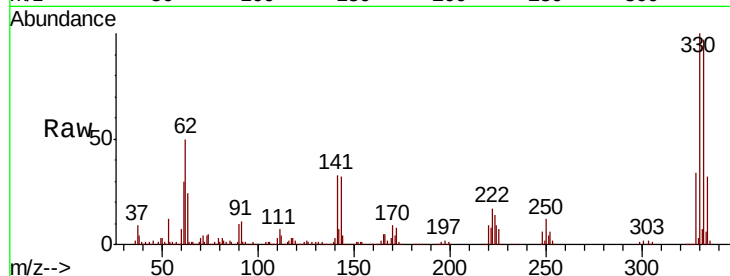




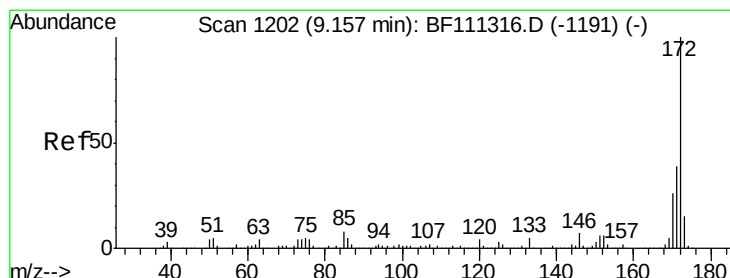
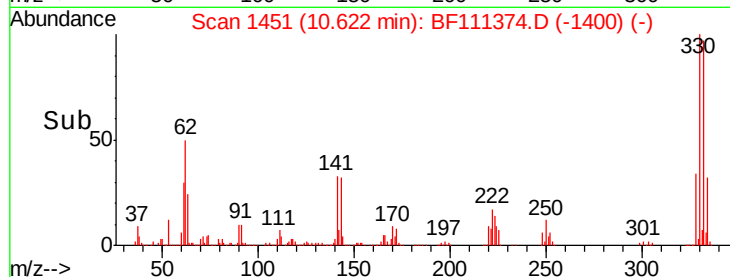
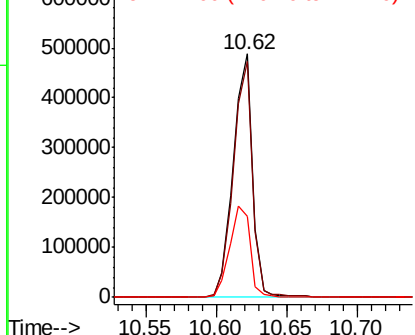
#42
 2,4,6-Tribromophenol
 Concen: 121.869 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF111374.D
 Acq: 13 Dec 2018 17:18

Instrument :
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 ClientSampleId :
 TP-4

Tgt Ion:330 Resp: 465619
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.0 114.0
 141 40.2 31.0 46.6

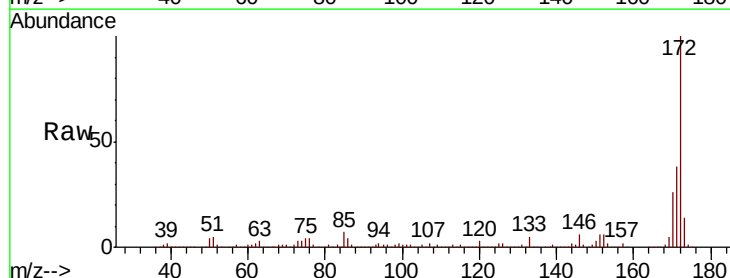


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

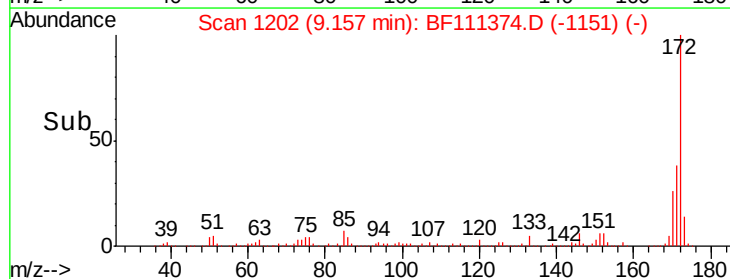
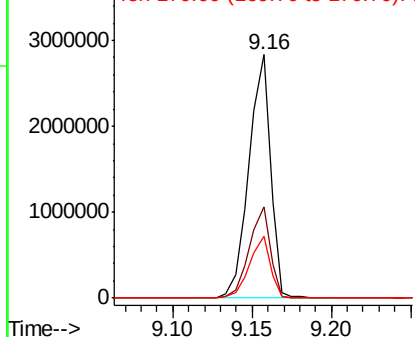


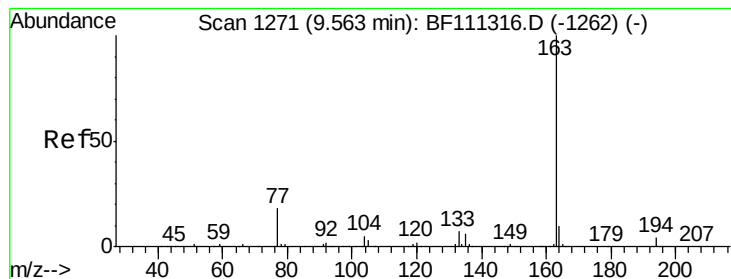
#45
 2-Fluorobiphenyl
 Concen: 99.825 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF111374.D
 Acq: 13 Dec 2018 17:18

Tgt Ion:172 Resp: 2694879
 Ion Ratio Lower Upper
 172 100
 171 37.7 33.0 49.4
 170 25.6 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: 11.038 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampled :

TP-4

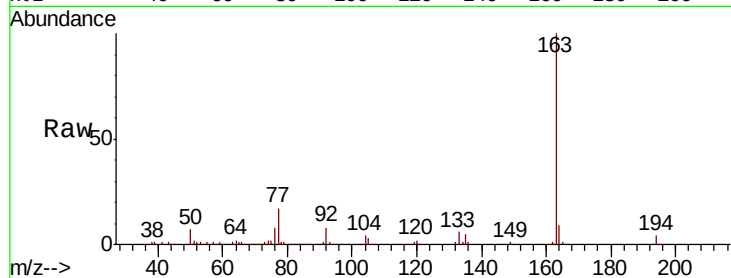
Tgt Ion:163 Resp: 344037

Ion Ratio Lower Upper

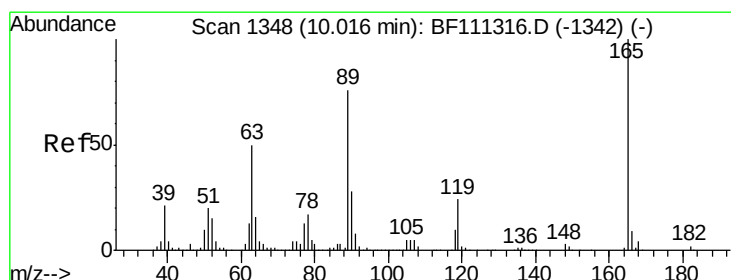
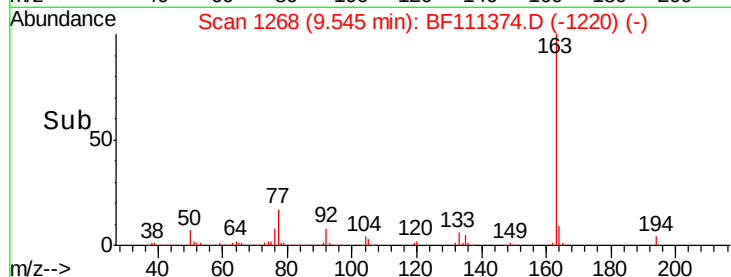
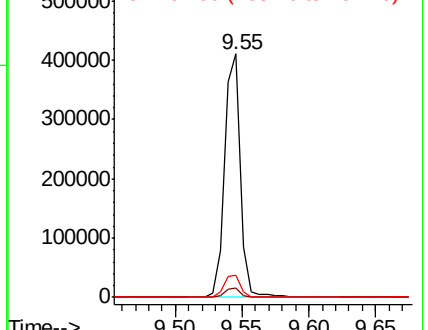
163 100

194 3.8 3.0 4.6

164 9.1 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: 6.286 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Tgt Ion:165 Resp: 55659

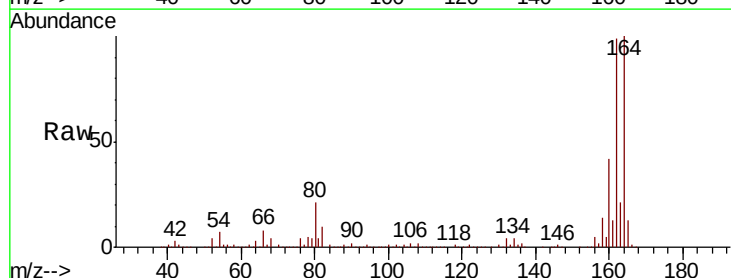
Ion Ratio Lower Upper

165 100

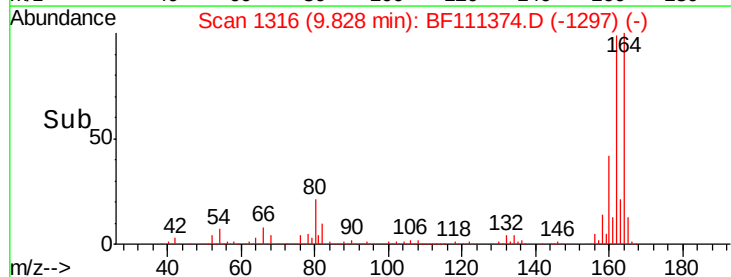
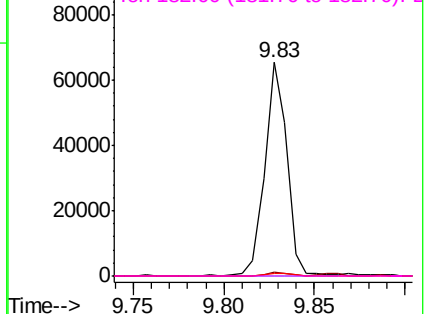
63 1.6 34.6 52.0#

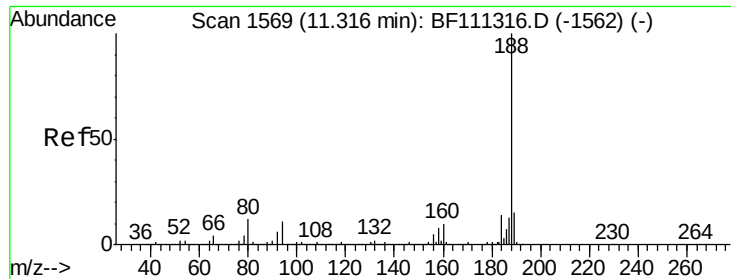
89 1.4 56.2 84.4#

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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampled :

TP-4

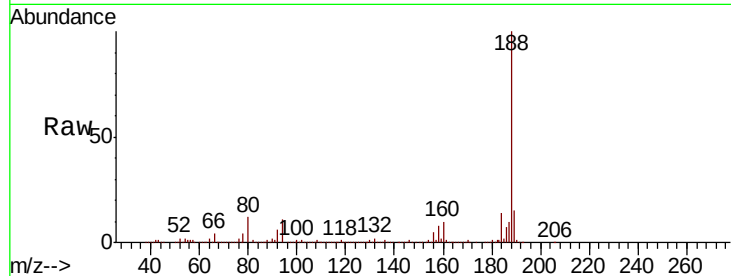
Tgt Ion:188 Resp: 613729

Ion Ratio Lower Upper

188 100

94 11.4 9.6 14.4

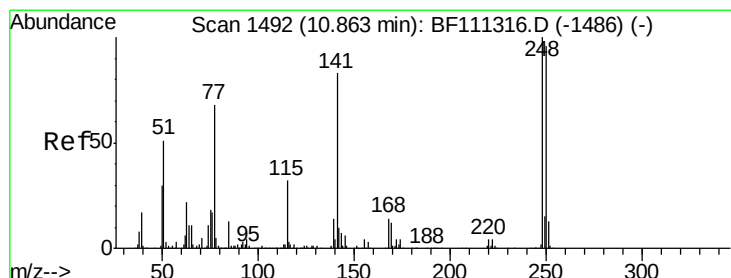
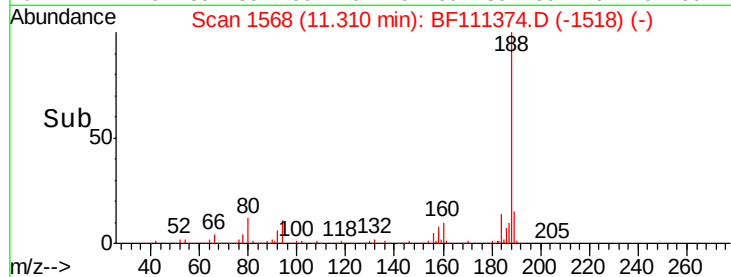
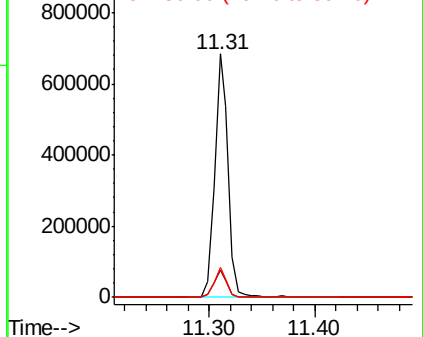
80 12.4 9.8 14.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.537 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.24 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

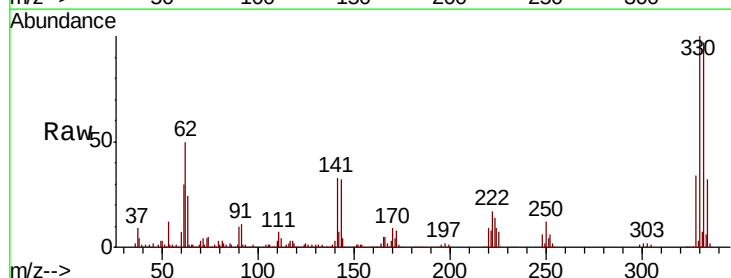
Tgt Ion:248 Resp: 30995

Ion Ratio Lower Upper

248 100

250 200.6 77.0 115.4#

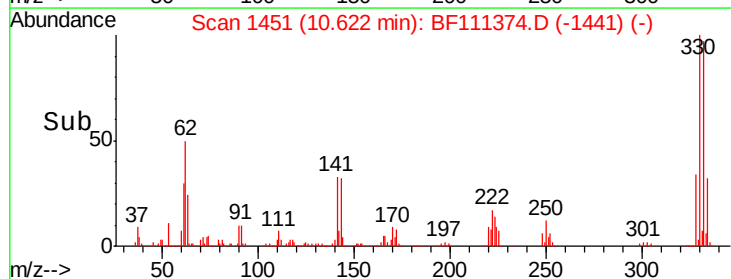
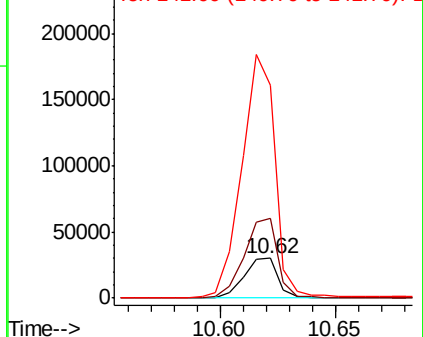
141 534.5 63.0 94.6#

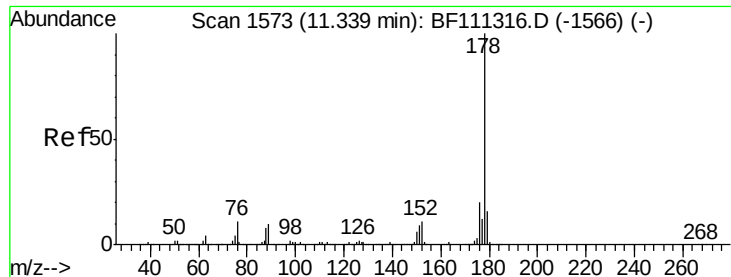


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 3.680 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4

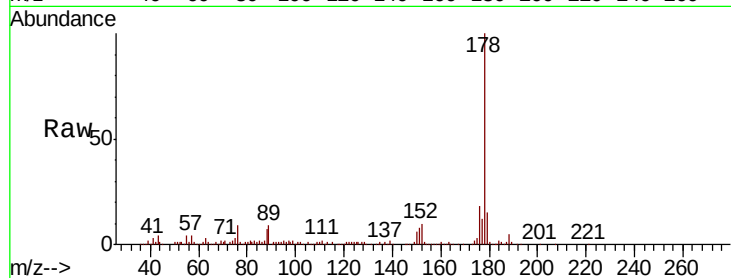
Tgt Ion:178 Resp: 116738

Ion Ratio Lower Upper

178 100

176 18.1 18.1 27.1

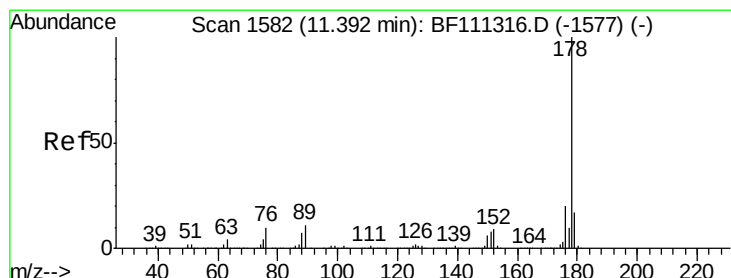
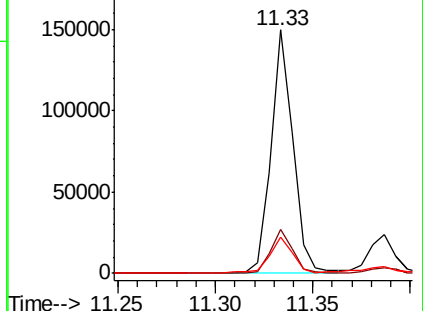
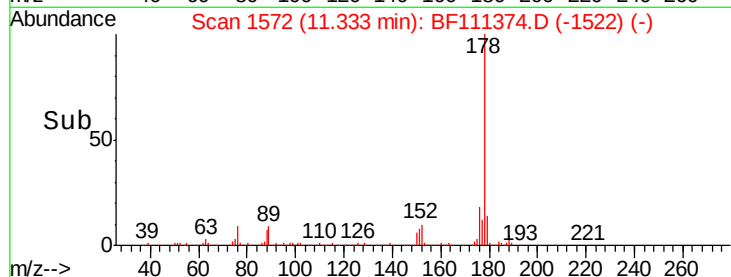
179 14.8 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.614 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

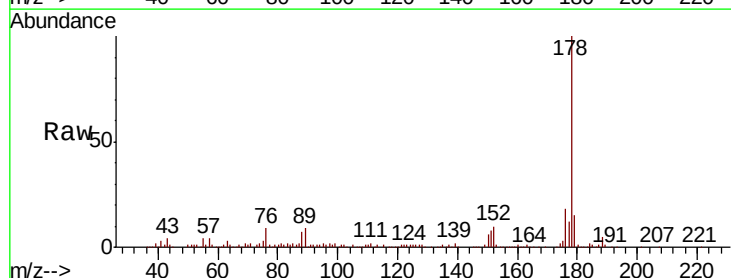
Tgt Ion:178 Resp: 116738

Ion Ratio Lower Upper

178 100

176 18.1 17.2 25.8

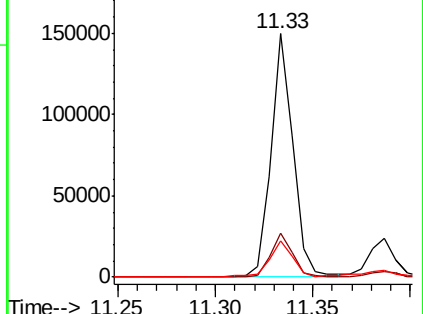
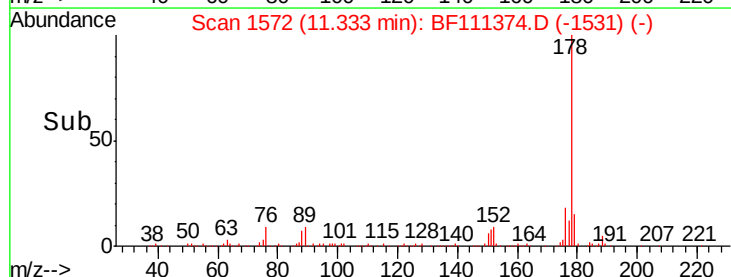
179 14.8 13.8 20.8

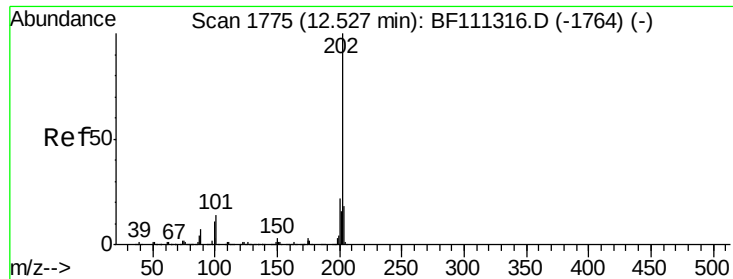


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.389 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

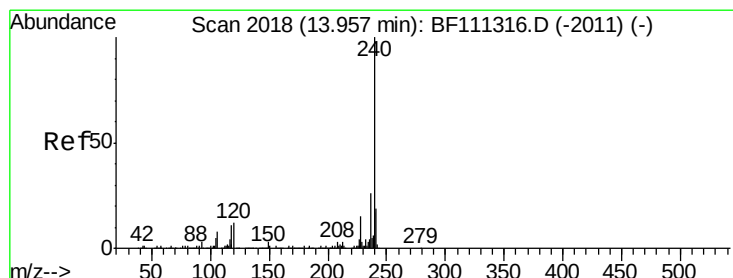
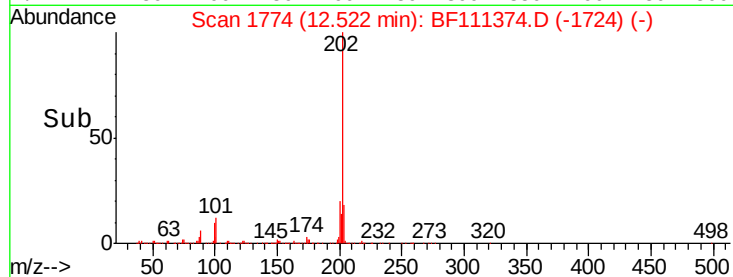
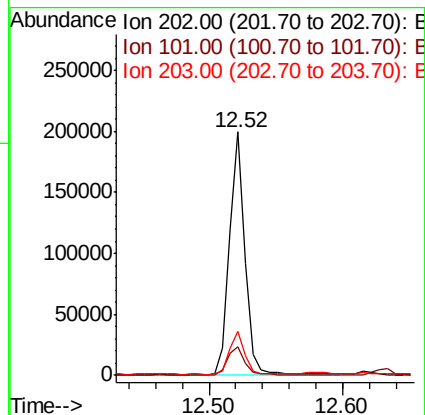
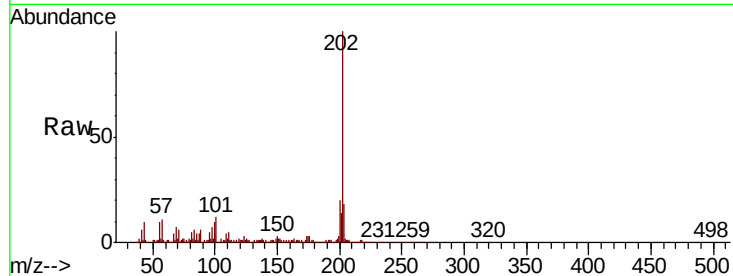
Instrument :

BNA_F

ClientSampled :

TP-4

Tgt Ion:	202	Resp:	166899
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.8
203	18.1	0.0	38.6



#76

Chrysene-d12

Concen: 20.000 ng

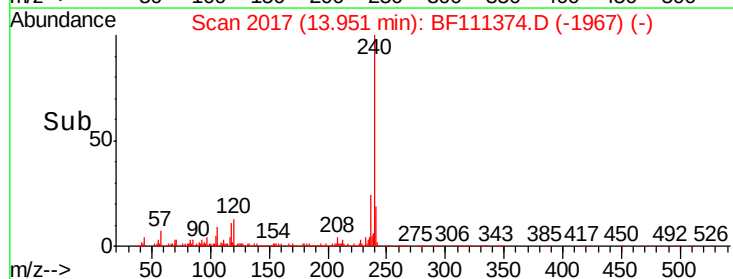
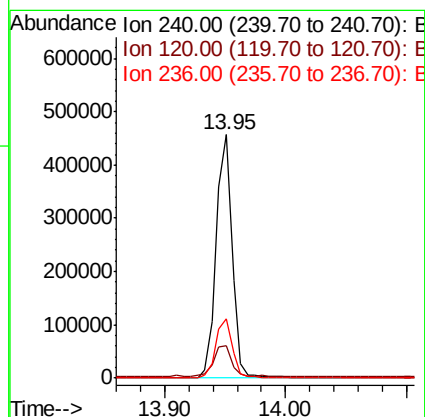
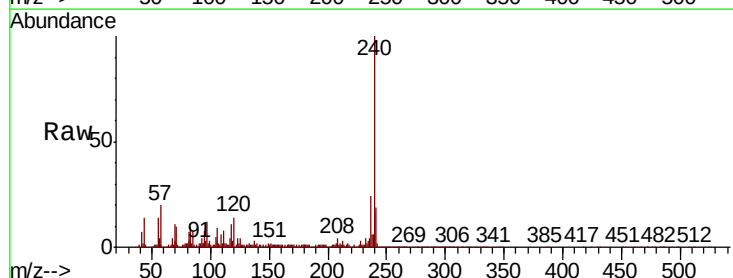
RT: 13.95 min Scan# 2017

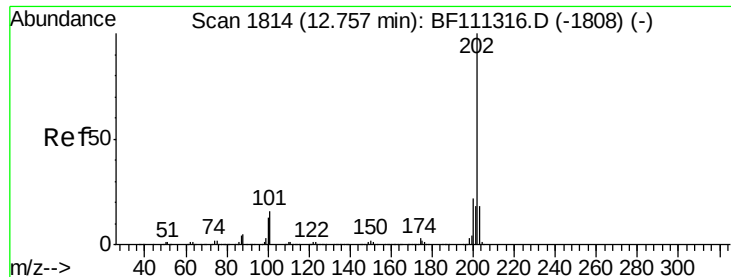
Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Tgt Ion:	240	Resp:	414064
Ion	Ratio	Lower	Upper
240	100		
120	13.5	12.2	18.2
236	24.4	20.2	30.2





#78

Pyrene

Concen: 4.253 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4

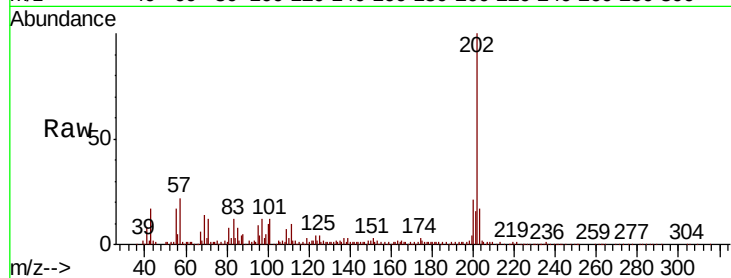
Tgt Ion:202 Resp: 135904

Ion Ratio Lower Upper

202 100

200 20.5 19.0 28.4

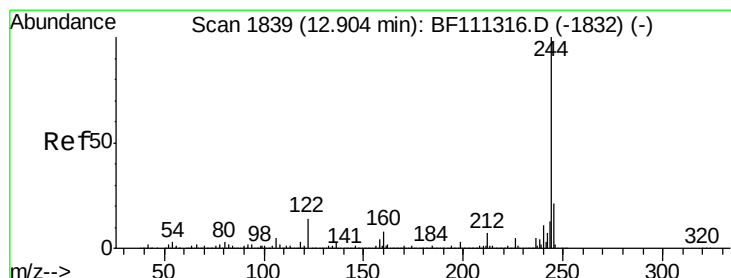
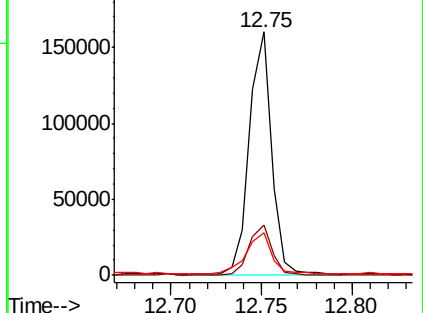
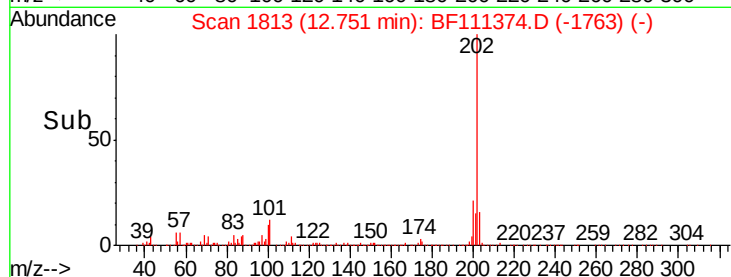
203 17.5 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 87.193 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

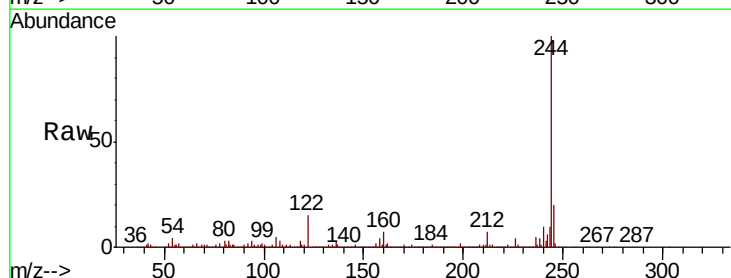
Tgt Ion:244 Resp: 1640371

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

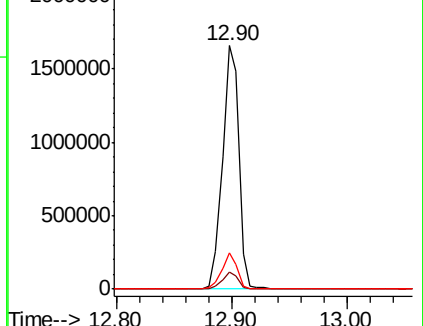
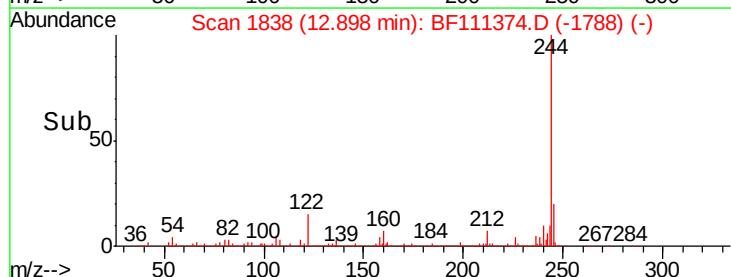
122 14.9 13.1 19.7

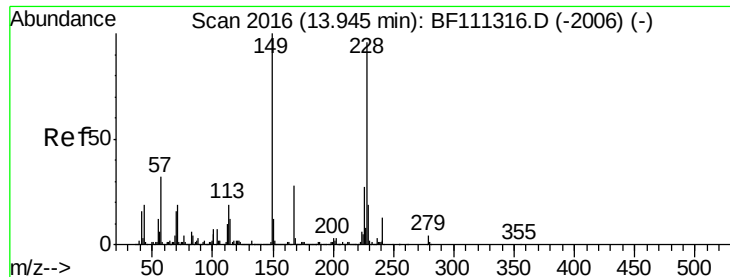


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.722 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4

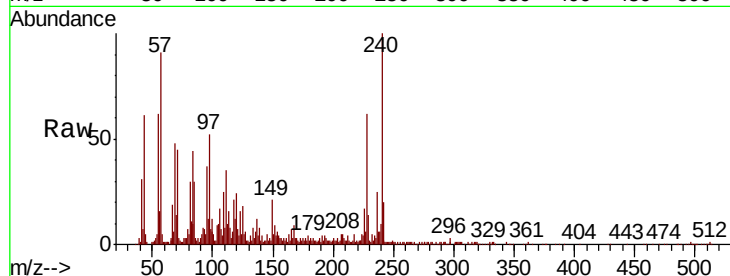
Tgt Ion:228 Resp: 63055

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

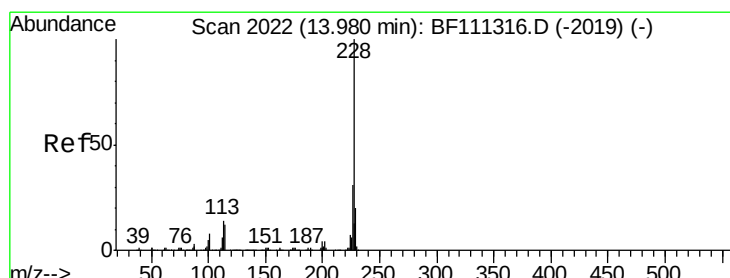
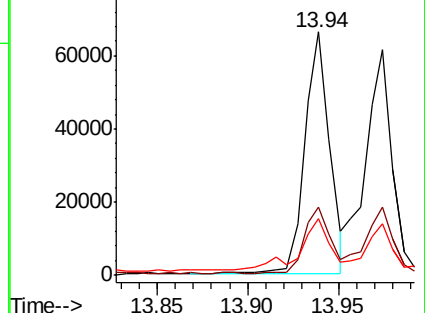
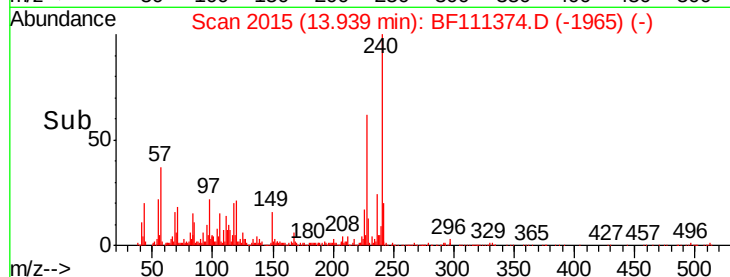
229 23.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.454 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111374.D

Acq: 13 Dec 2018 17:18

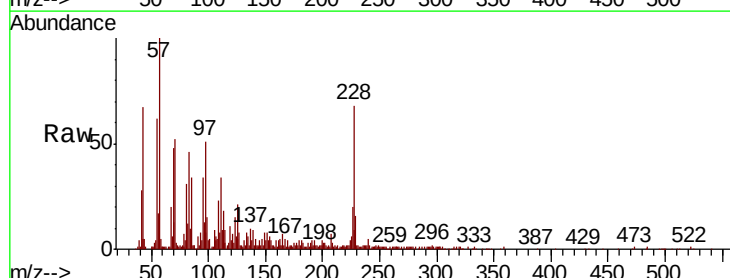
Tgt Ion:228 Resp: 58016

Ion Ratio Lower Upper

228 100

226 30.3 25.3 37.9

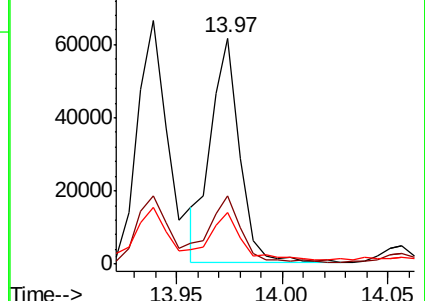
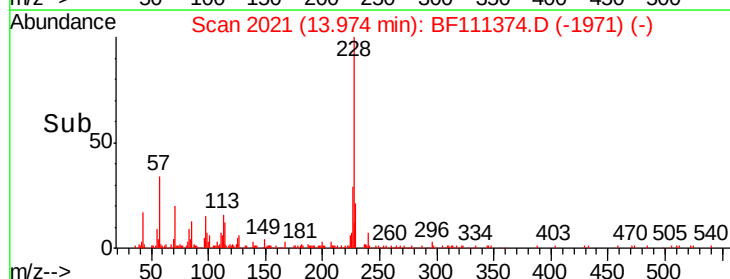
229 23.0 17.2 25.8

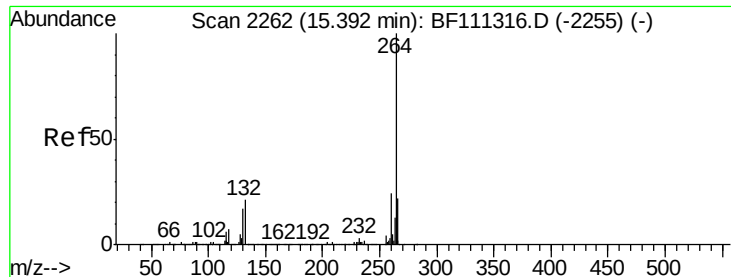


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

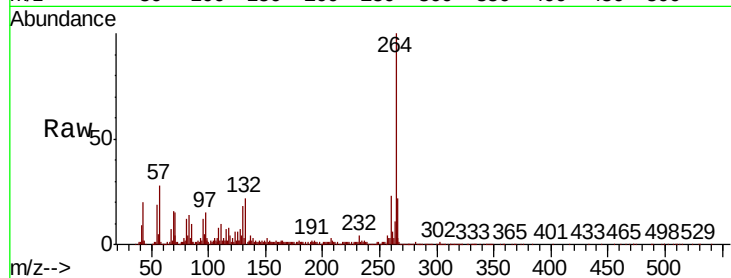




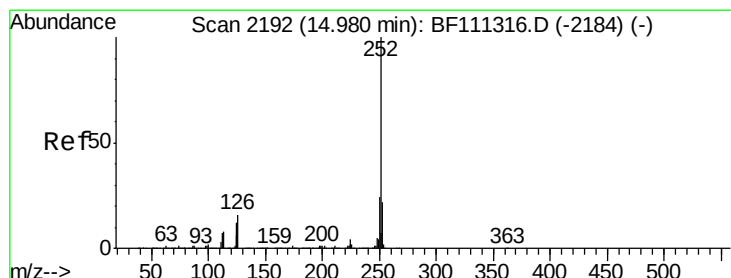
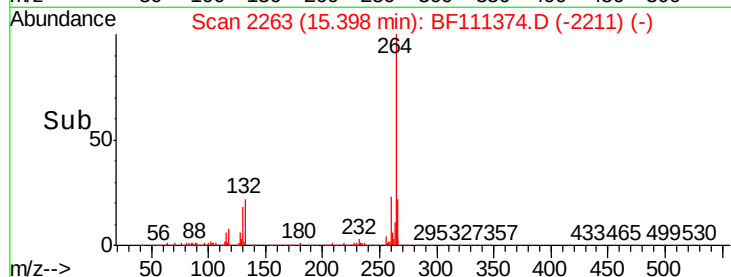
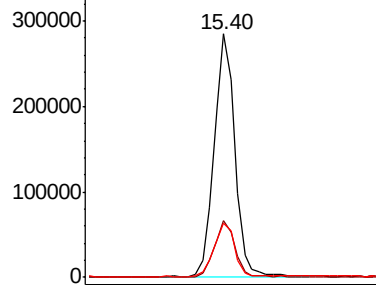
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	22.3	17.7	26.5

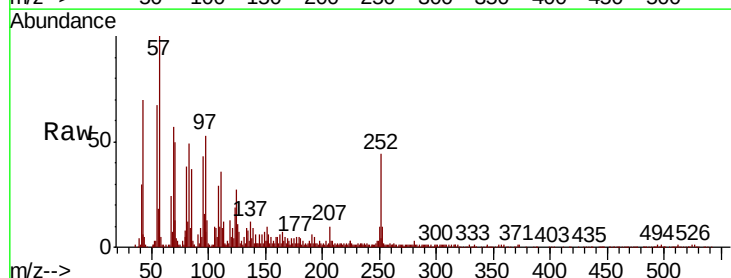


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

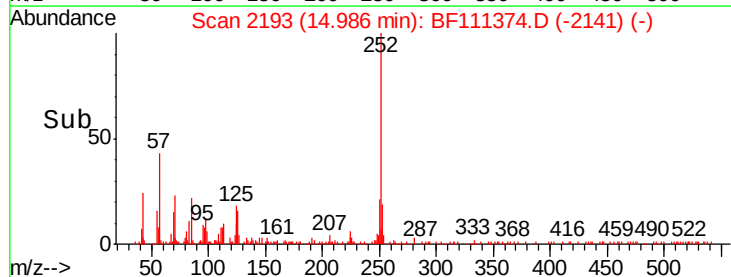
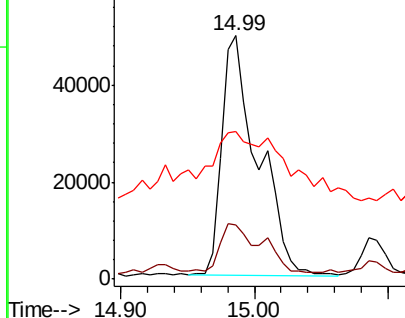


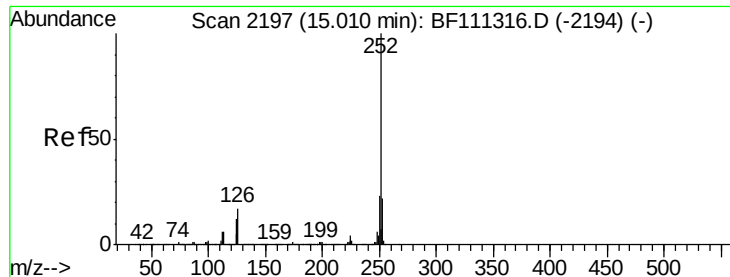
#88
Benzo(b)fluoranthene
Concen: 4.779 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	60.9	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

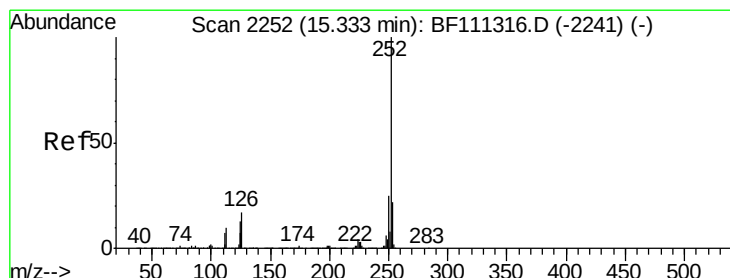
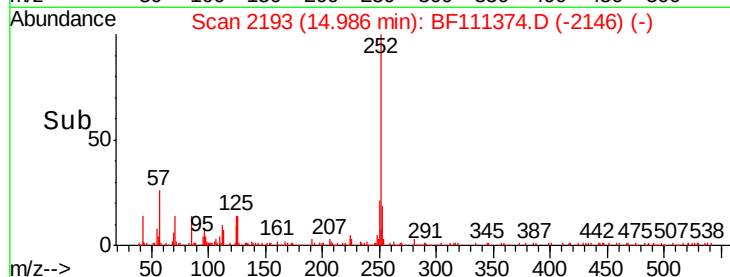
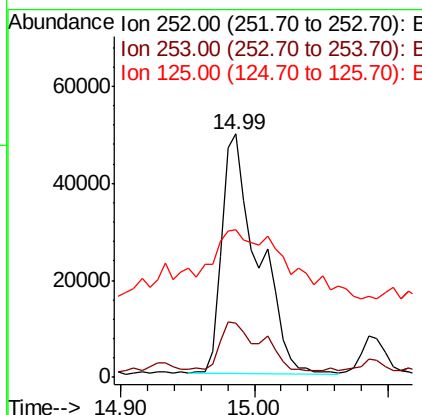
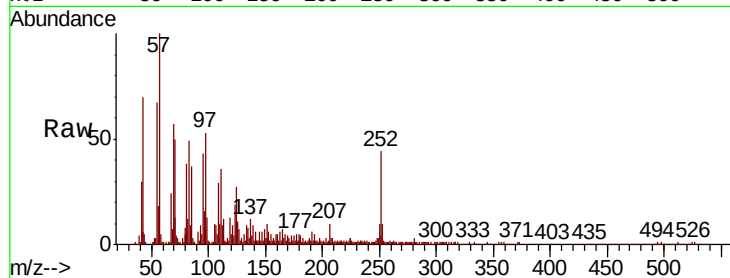




#89
Benzo(k)fluoranthene
Concen: 4.787 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	60.9	9.8	14.8#



#90
Benzo(a)pyrene
Concen: 2.469 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.00 min
Lab File: BF111374.D
Acq: 13 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	58.2	12.3	18.5#

