

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111389.D
 Acq On : 14 Dec 2018 00:10
 Operator : JU/SJ
 Sample : J6208-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Dec 14 00:42:33 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	263073	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1103951	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	437728	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	621203	20.00	ng	0.00
76) Chrysene-d12	13.95	240	439912	20.00	ng	0.00
87) Perylene-d12	15.39	264	336679	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	2055966	132.16	ng	0.02
7) Phenol-d6	6.45	99	2569887	122.52	ng	0.02
23) Nitrobenzene-d5	7.36	82	1561095	79.70	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	405472	105.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2124328	77.92	ng	0.00
79) Terphenyl-d14	12.90	244	1392239	69.66	ng	0.00

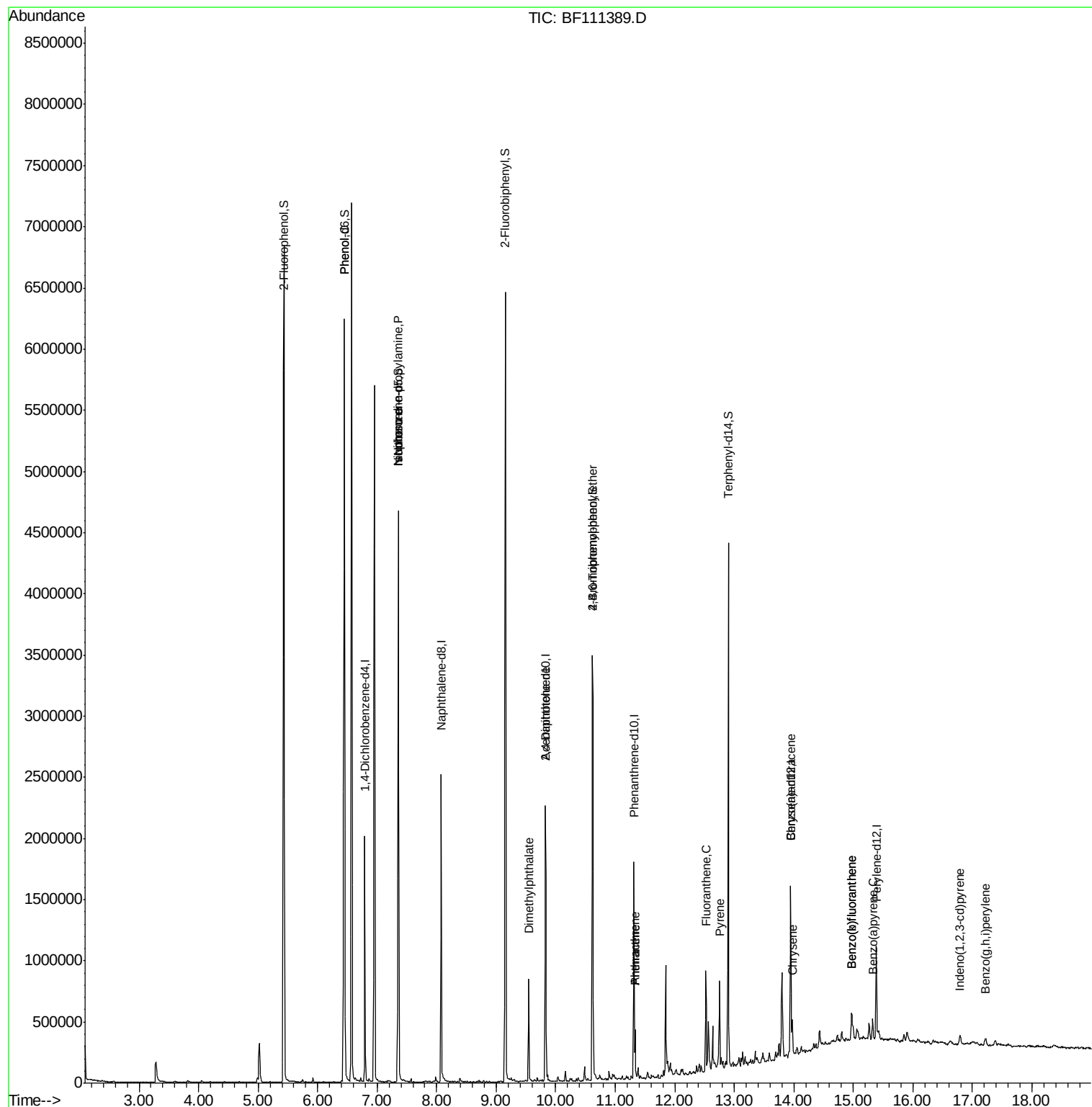
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	5709	Below Cal	#	1
10) Phenol	6.46	94	189292	7.967 ng		97
19) n-Nitroso-di-n-propylamine	7.36	70	205975	14.778 ng	#	78
25) Isophorone	7.36	82	1540383	46.299 ng	#	64
50) Dimethylphthalate	9.55	163	300063	9.533 ng		97
57) 2,4-Dinitrotoluene	9.83	165	55181	6.171 ng	#	24
67) 4-Bromophenyl-phenylether	10.62	248	26180	3.786 ng	#	1
71) Phenanthrene	11.33	178	132907	4.139 ng		94
72) Anthracene	11.33	178	132907	4.065 ng		96
75) Fluoranthene	12.52	202	305848	9.757 ng		98
78) Pyrene	12.75	202	272692	8.032 ng		96
81) Benzo(a)anthracene	13.94	228	112238	4.560 ng		98
83) Chrysene	13.97	228	113531	4.521 ng		96
86) Indeno(1,2,3-cd)pyrene	16.79	276	46798	2.383 ng		93
88) Benzo(b)fluoranthene	14.97	252	163403	8.535 ng	#	92
89) Benzo(k)fluoranthene	14.97	252	163403	8.551 ng	#	91
90) Benzo(a)pyrene	15.32	252	78049	4.378 ng		96
92) Benzo(g,h,i)perylene	17.22	276	47757	3.221 ng		93

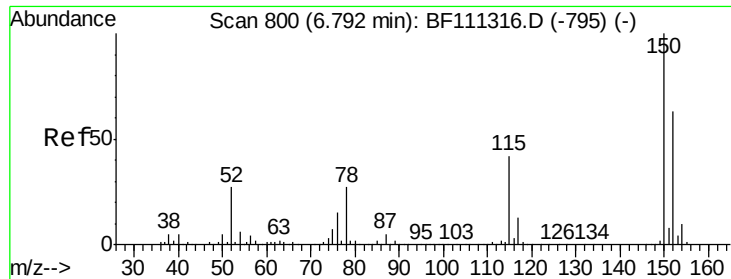
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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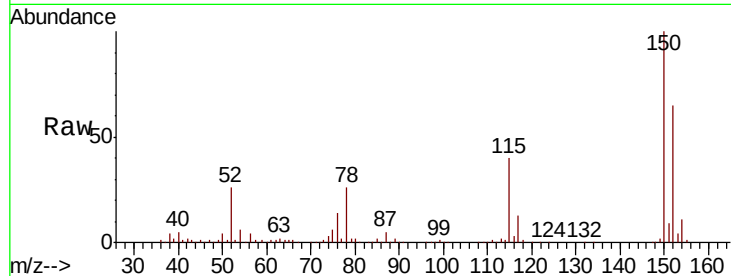


#1

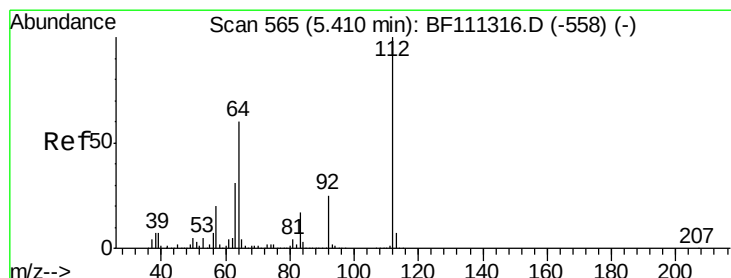
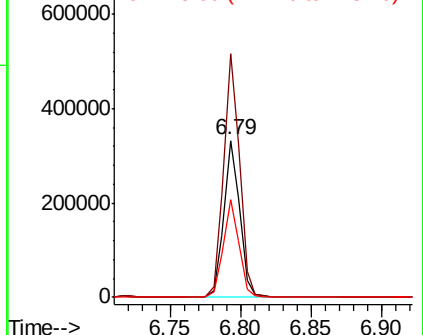
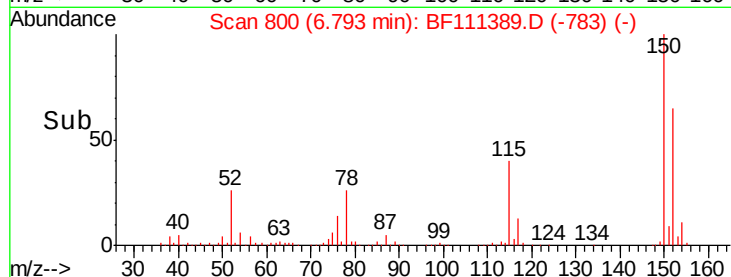
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 263073
Ion Ratio Lower Upper
152 100
150 154.9 126.6 189.8
115 62.1 50.7 76.1



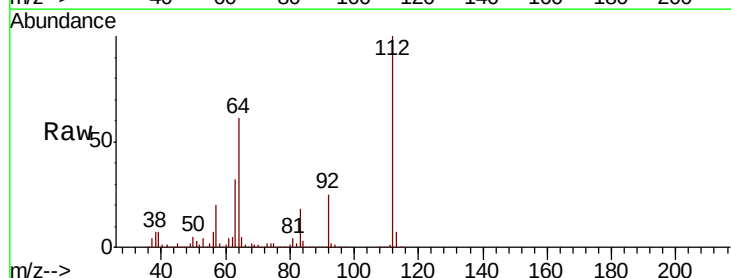
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



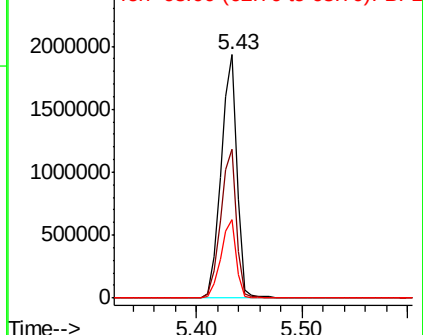
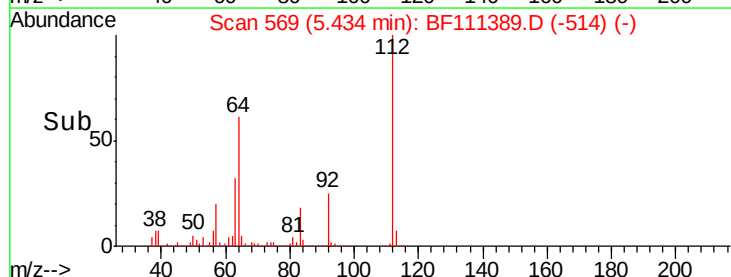
#5

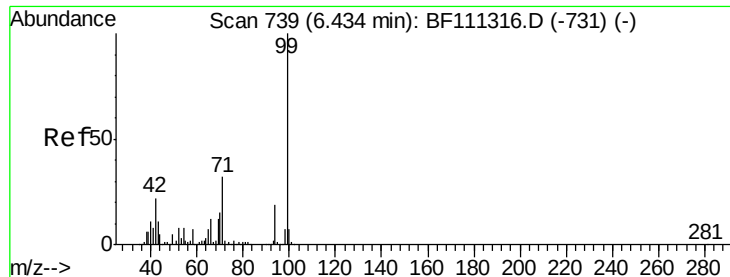
2-Fluorophenol
Concen: 132.157 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion:112 Resp: 2055966
Ion Ratio Lower Upper
112 100
64 61.1 51.8 77.6
63 32.2 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: 122.522 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF111389.D

Acq: 14 Dec 2018 00:10

Instrument :

BNA_F

ClientSampleId :

TP-1

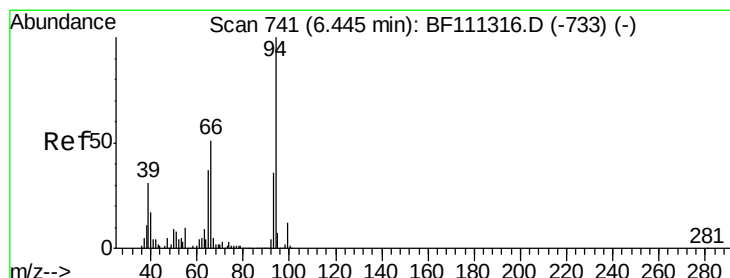
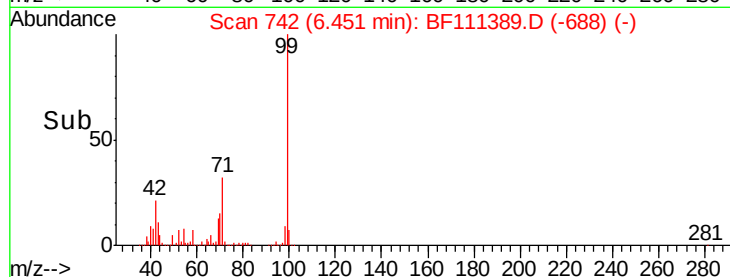
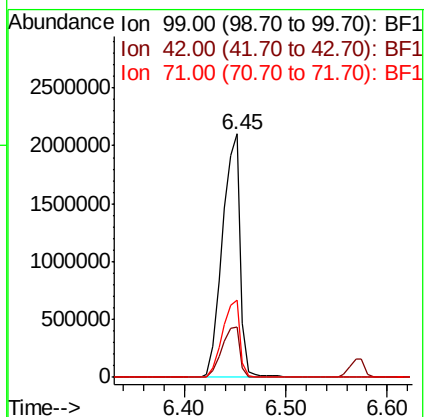
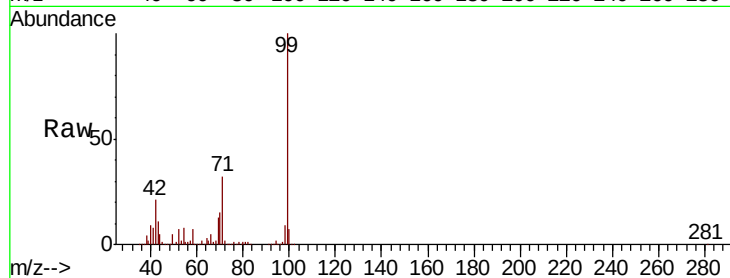
Tgt Ion: 99 Resp: 2569887

Ion Ratio Lower Upper

99 100

42 20.5 17.4 26.0

71 31.8 26.1 39.1



#10

Phenol

Concen: 7.967 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111389.D

Acq: 14 Dec 2018 00:10

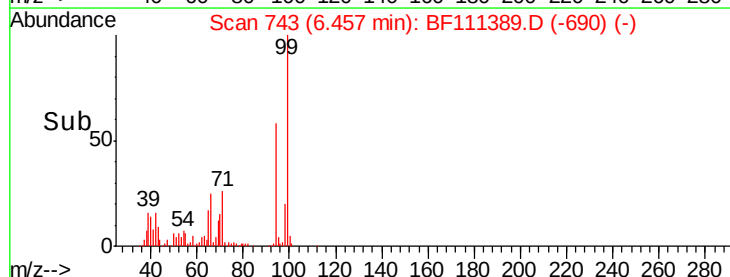
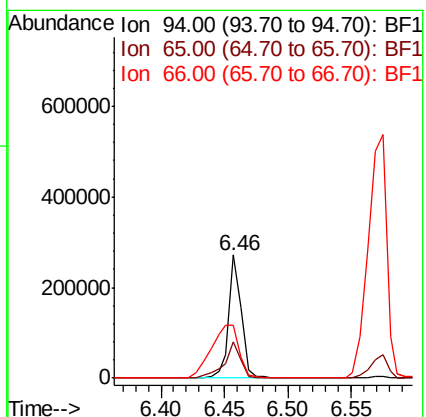
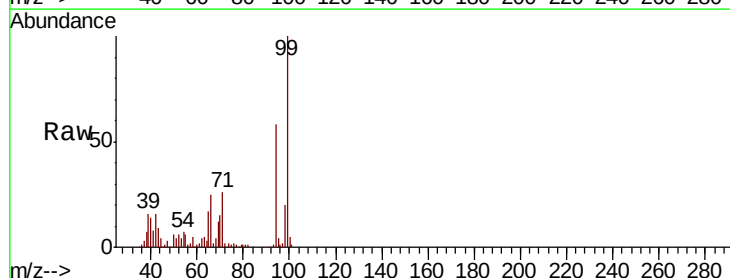
Tgt Ion: 94 Resp: 189292

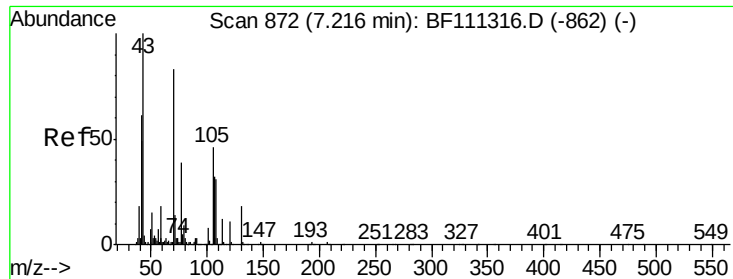
Ion Ratio Lower Upper

94 100

65 29.8 11.7 51.7

66 43.0 21.0 61.0

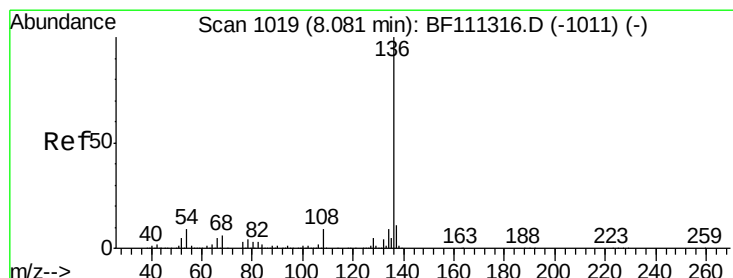
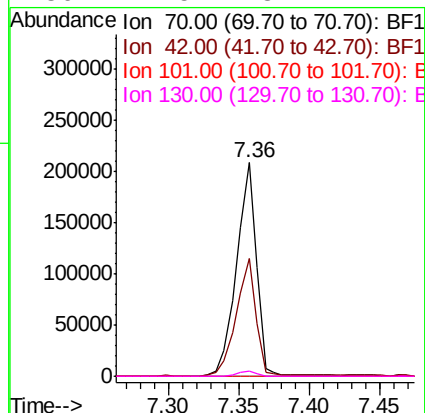
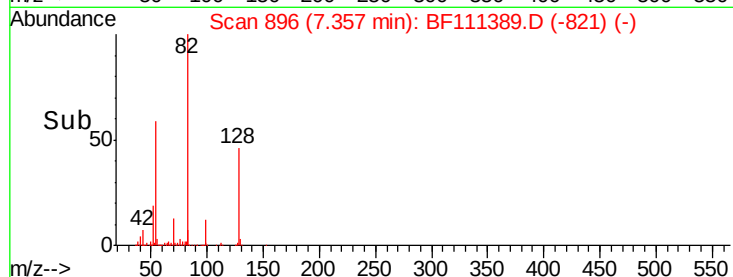
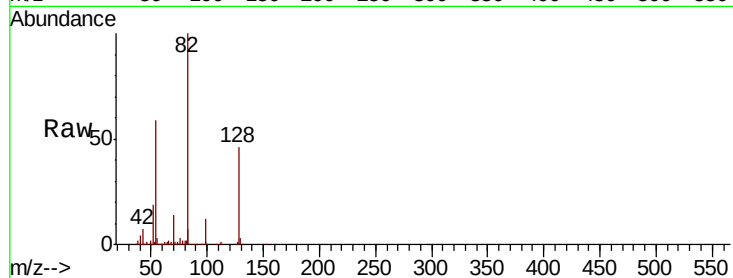




#19
n-Nitroso-di-n-propylamine
Concen: 14.778 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

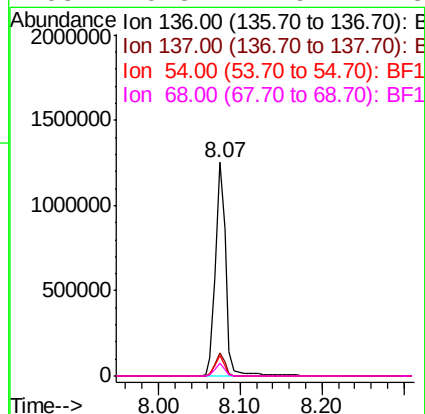
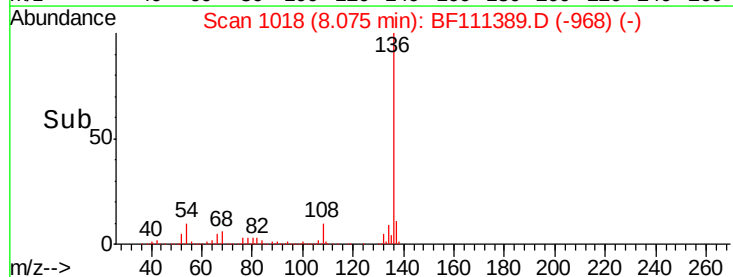
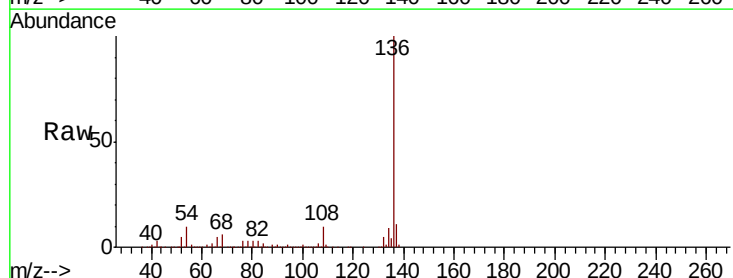
Instrument :
BNA_F
ClientSampleId :
TP-1

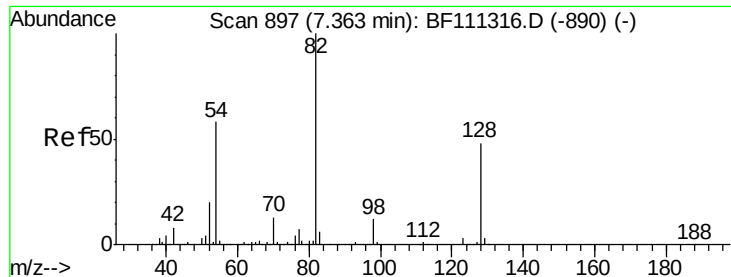
Tgt Ion: 70 Resp: 205975
Ion Ratio Lower Upper
70 100
42 54.9 53.2 79.8
101 0.0 8.2 12.4#
130 2.5 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion: 136 Resp: 1103951
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.5 7.7 11.5
68 6.3 4.9 7.3

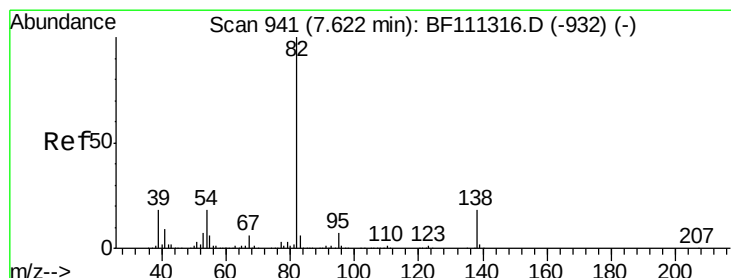
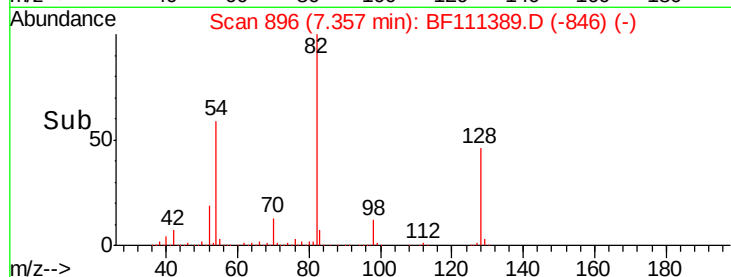
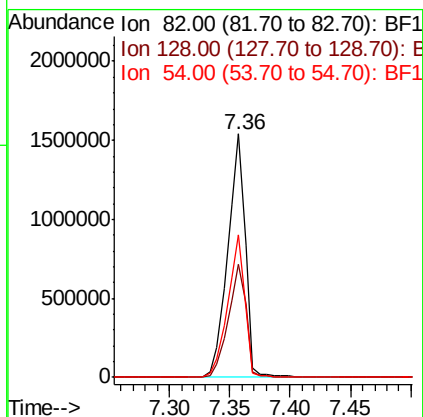
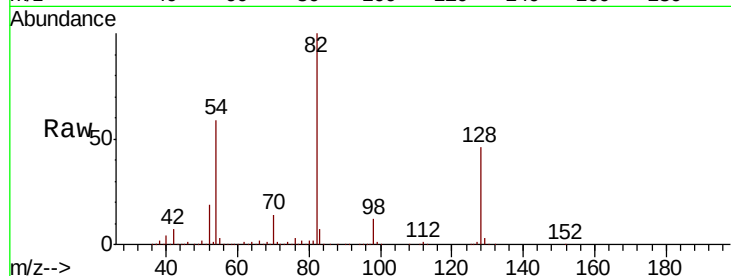




#23
Nitrobenzene-d5
Concen: 79.703 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

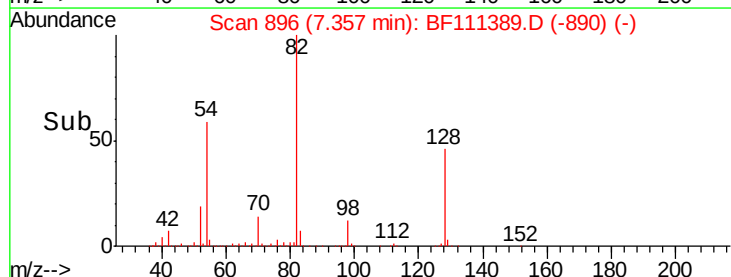
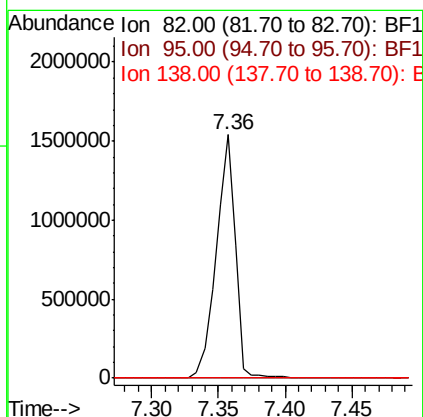
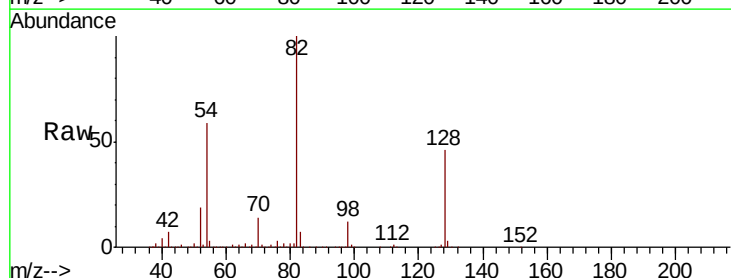
Instrument :
BNA_F
ClientSampleId :
TP-1

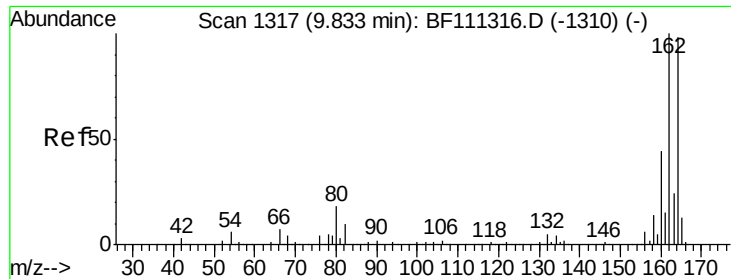
Tgt Ion: 82 Resp: 1561095
Ion Ratio Lower Upper
82 100
128 46.4 37.4 56.2
54 58.5 47.6 71.4



#25
Isophorone
Concen: 46.299 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion: 82 Resp: 1540383
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111389.D

Acq: 14 Dec 2018 00:10

Instrument :

BNA_F

ClientSampleId :

TP-1

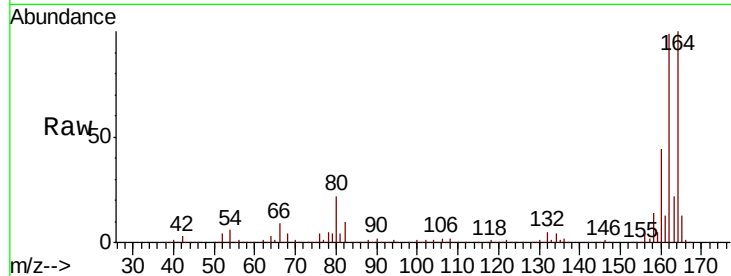
Tgt Ion:164 Resp: 437728

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.0

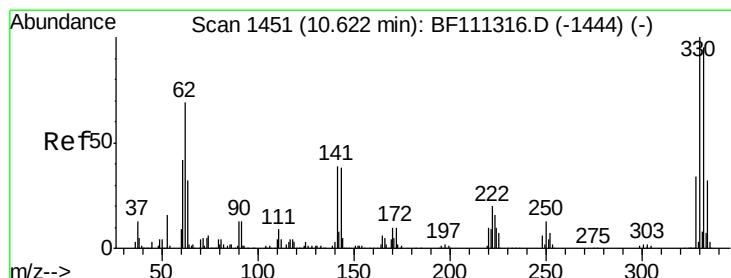
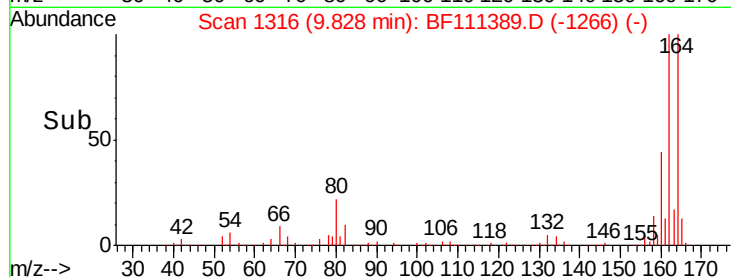
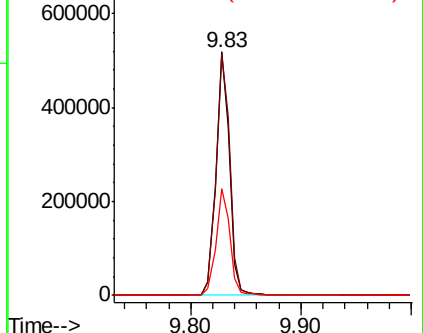
160 43.9 35.7 53.5



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: 105.082 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF111389.D

Acq: 14 Dec 2018 00:10

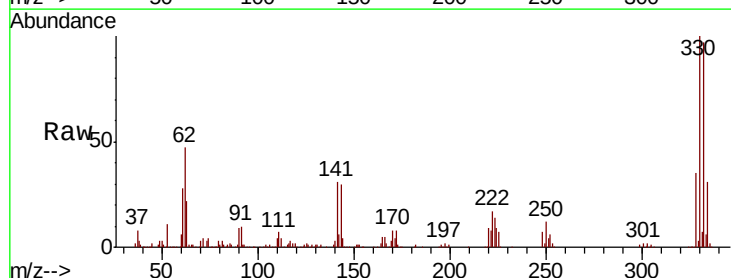
Tgt Ion:330 Resp: 405472

Ion Ratio Lower Upper

330 100

332 96.2 76.0 114.0

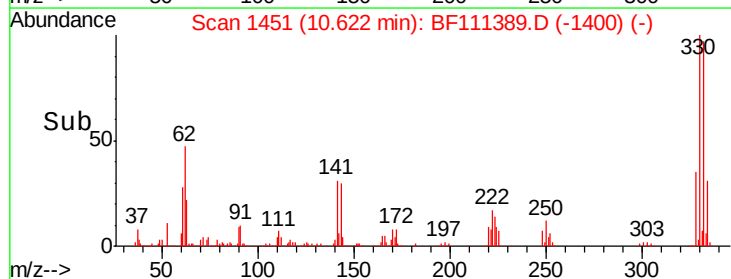
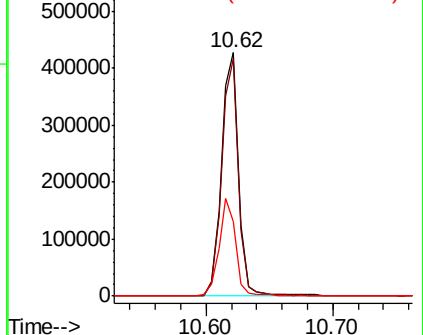
141 38.5 31.0 46.6

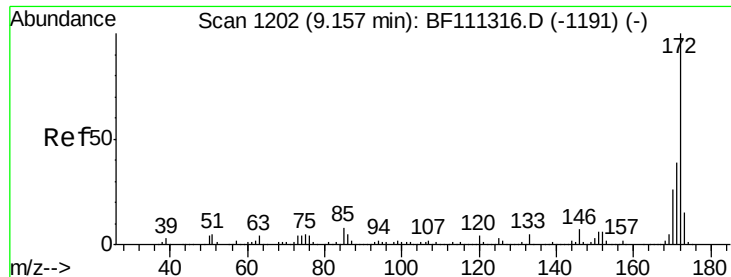


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

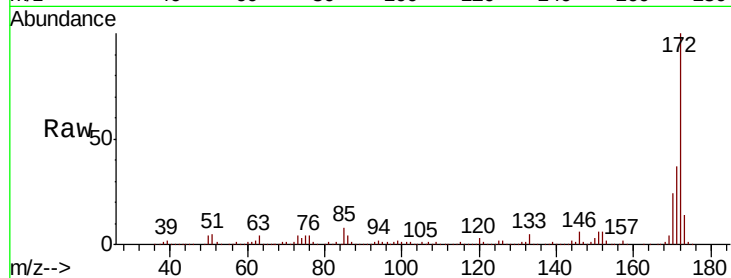




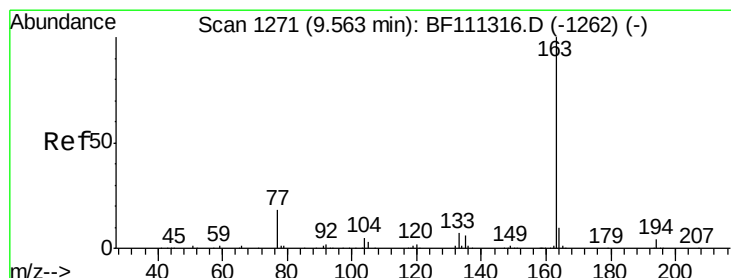
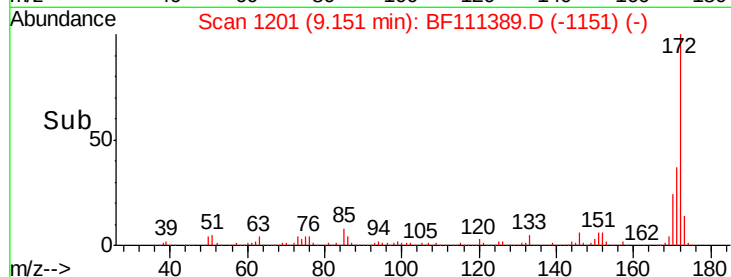
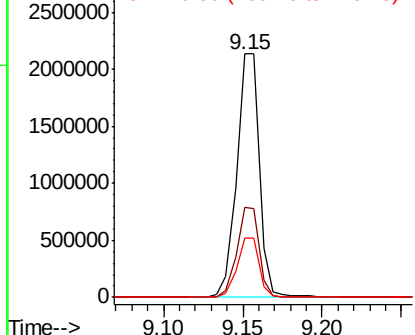
#45
2-Fluorobiphenyl
Concen: 77.916 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:172 Resp: 2124328
Ion Ratio Lower Upper
172 100
171 36.7 33.0 49.4
170 24.2 22.3 33.5

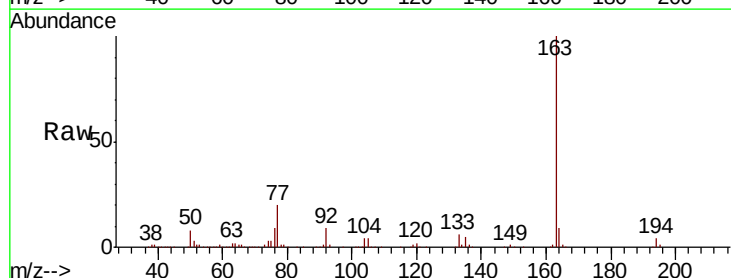


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

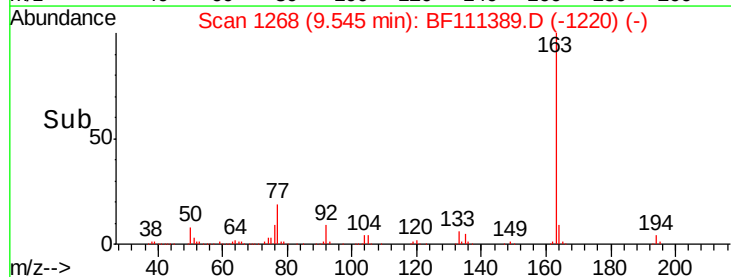
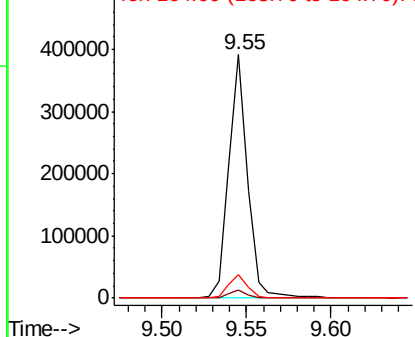


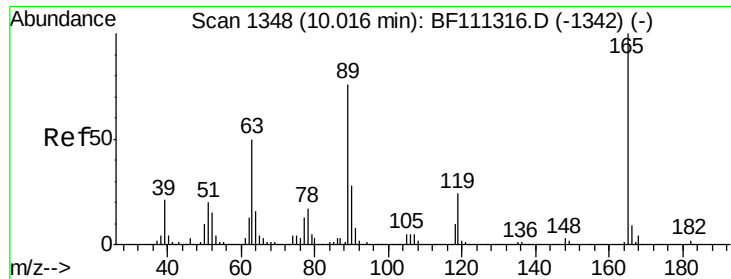
#50
Dimethylphthalate
Concen: 9.533 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion:163 Resp: 300063
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 9.5 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

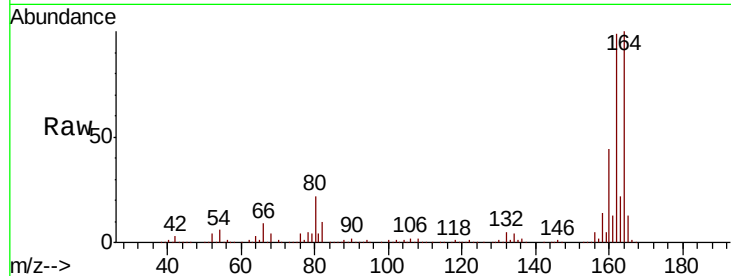




#57
2,4-Dinitrotoluene
Concen: 6.171 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.6	52.0#
89	1.2	56.2	84.4#
182	0.0	1.8	2.6#



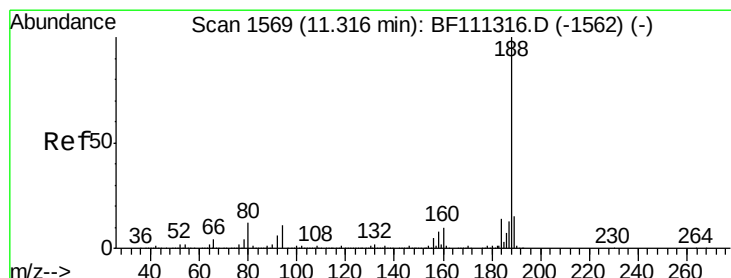
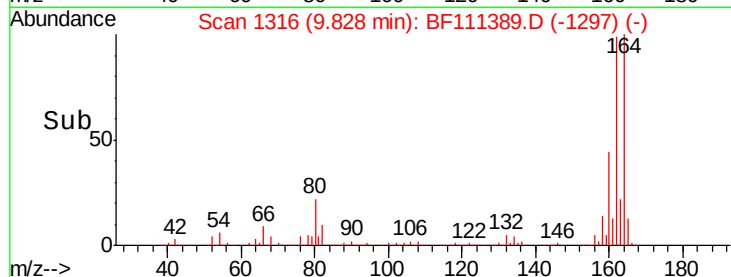
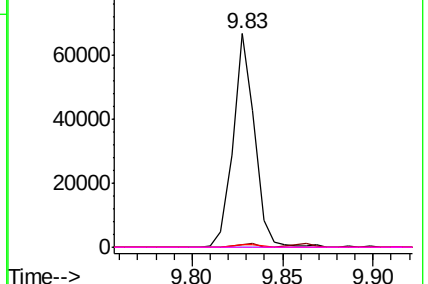
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

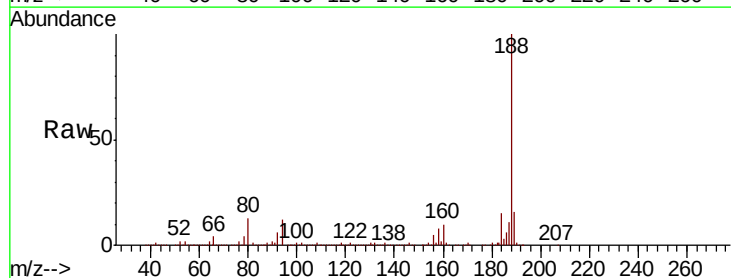
Ion 89.00 (88.70 to 89.70): BF1

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: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.6	14.4
80	12.5	9.8	14.6

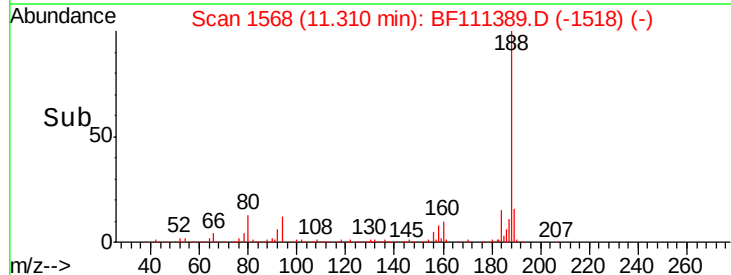
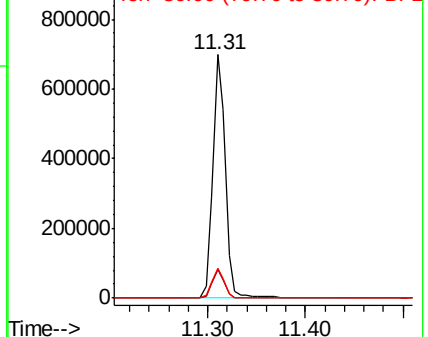


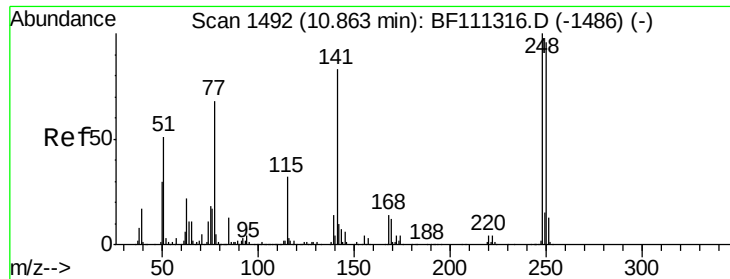
Abundance

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

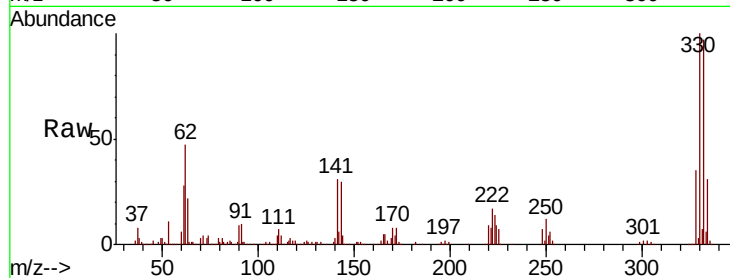




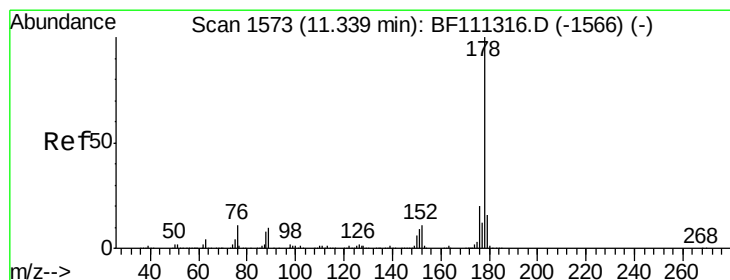
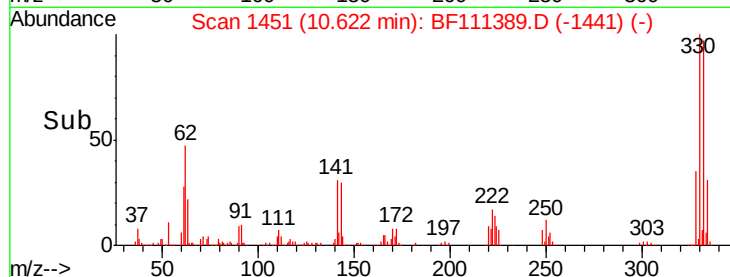
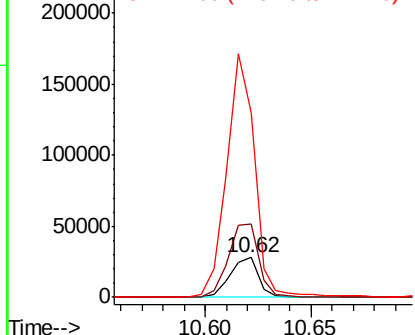
#67
 4-Bromophenyl-phenylether
 Concen: 3.786 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.24 min
 Lab File: BF111389.D
 Acq: 14 Dec 2018 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion: 248 Resp: 26180
 Ion Ratio Lower Upper
 248 100
 250 184.0 77.0 115.4#
 141 463.7 63.0 94.6#

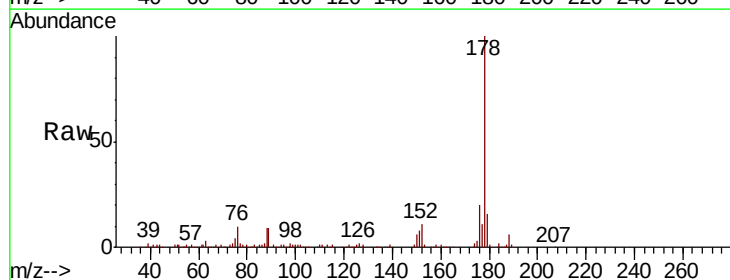


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

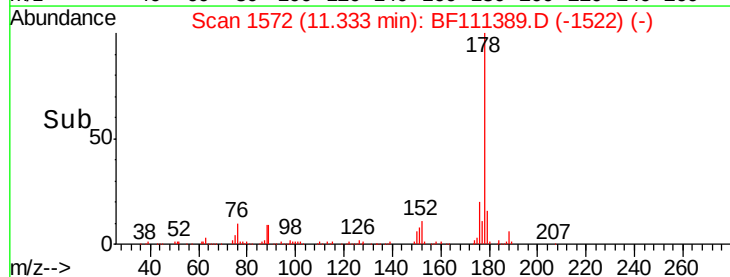
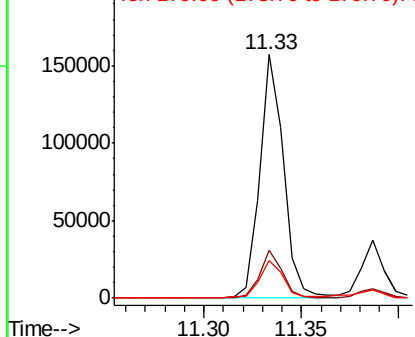


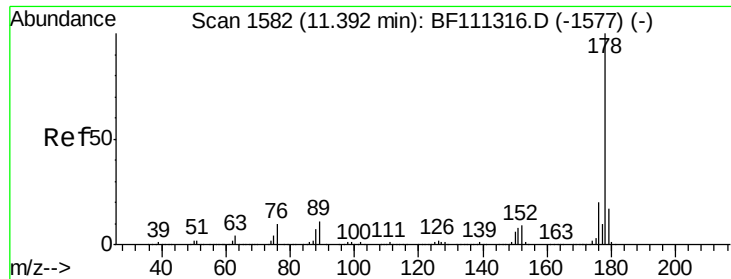
#71
 Phenanthrene
 Concen: 4.139 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111389.D
 Acq: 14 Dec 2018 00:10

Tgt Ion: 178 Resp: 132907
 Ion Ratio Lower Upper
 178 100
 176 19.5 18.1 27.1
 179 15.5 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

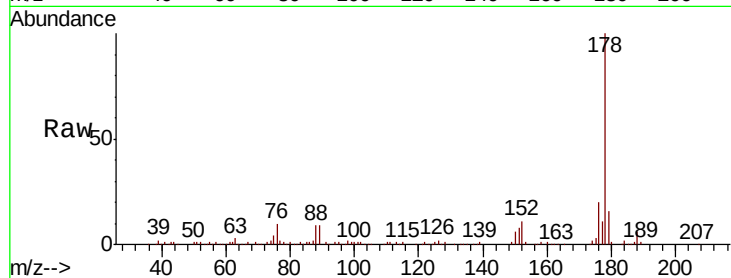




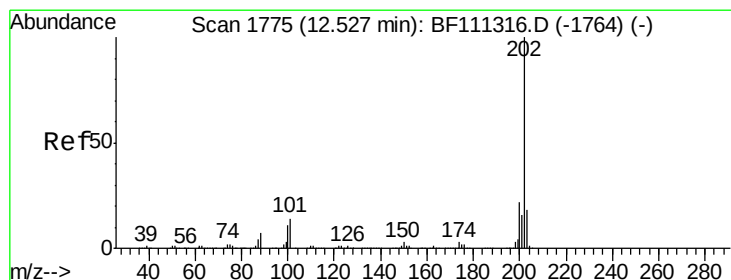
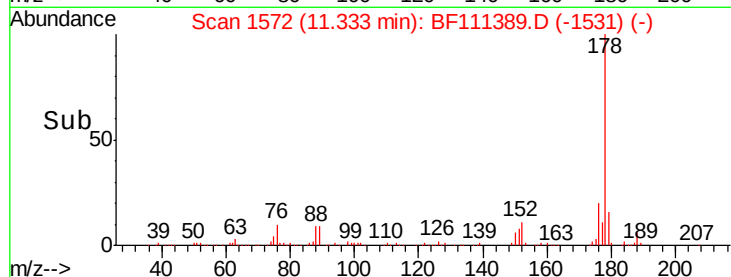
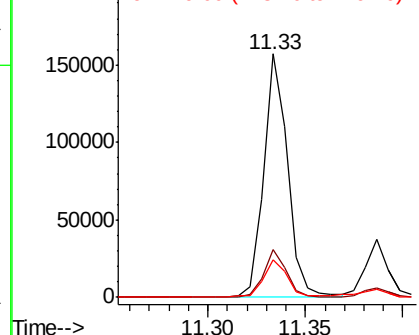
#72
 Anthracene
 Concen: 4.065 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.06 min
 Lab File: BF111389.D
 Acq: 14 Dec 2018 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:178 Resp: 132907
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.2 25.8
 179 15.5 13.8 20.8

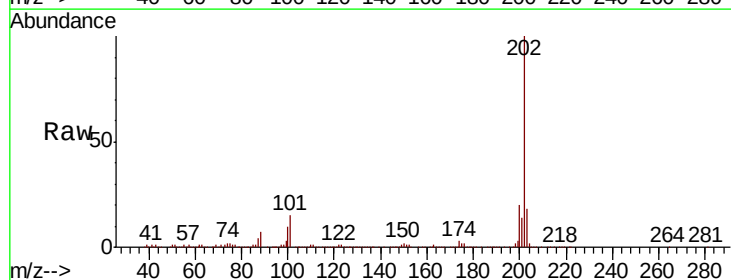


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

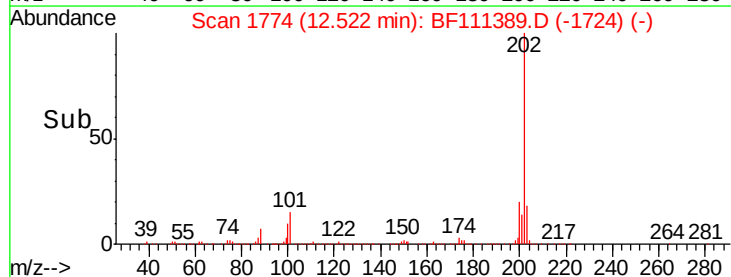
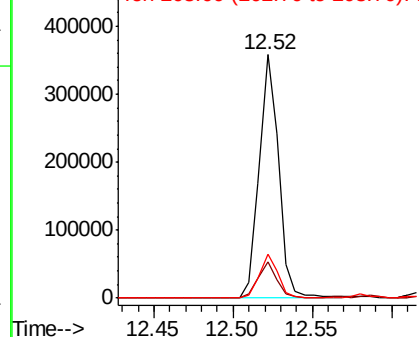


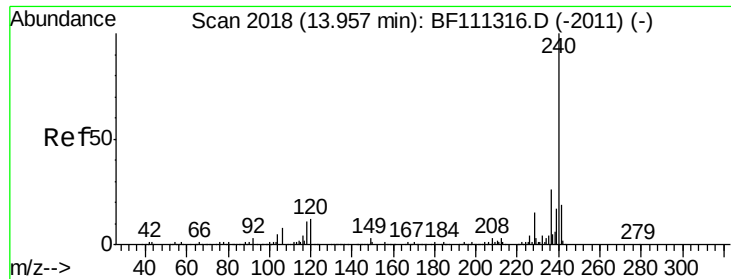
#75
 Fluoranthene
 Concen: 9.757 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF111389.D
 Acq: 14 Dec 2018 00:10

Tgt Ion:202 Resp: 305848
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 33.8
 203 17.9 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

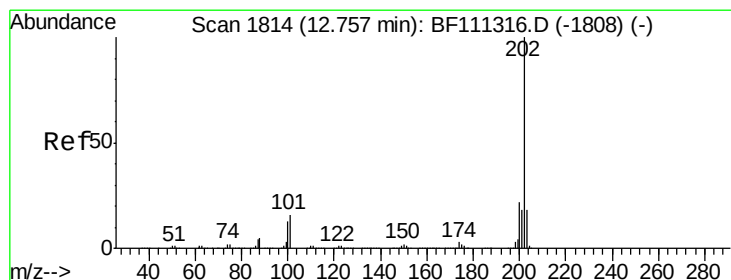
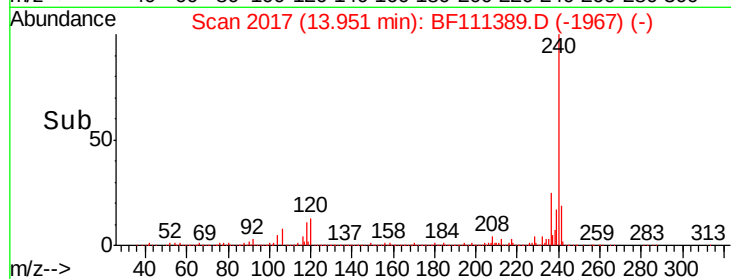
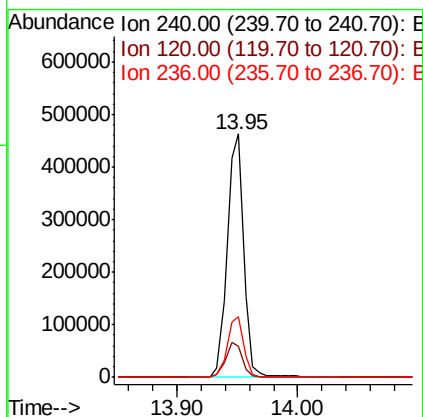
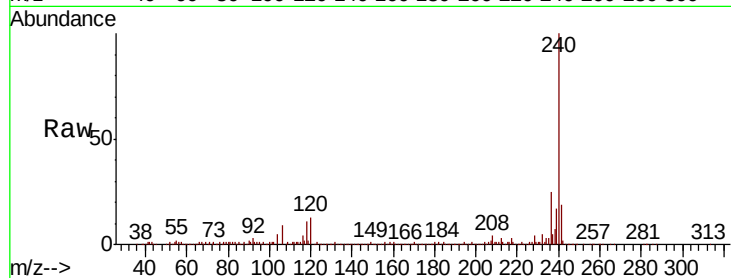




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

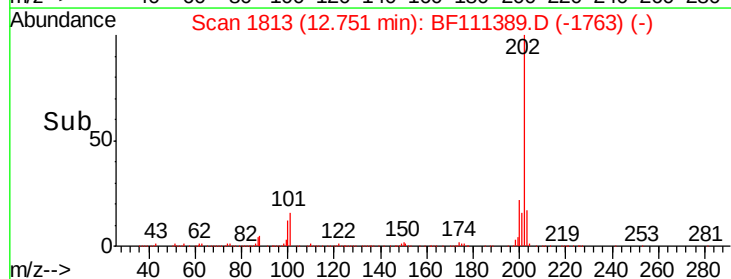
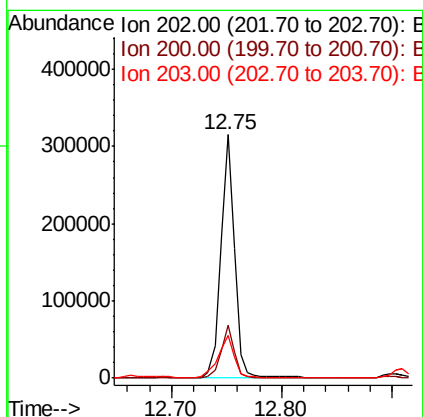
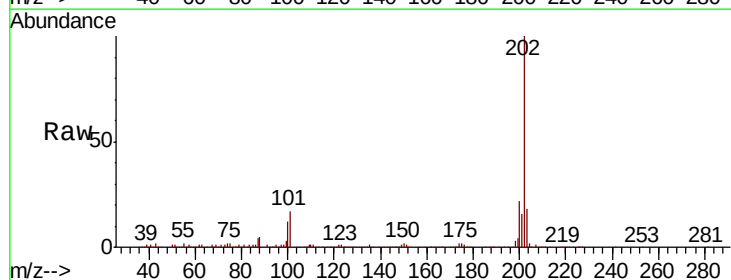
Instrument :
BNA_F
ClientSampleId :
TP-1

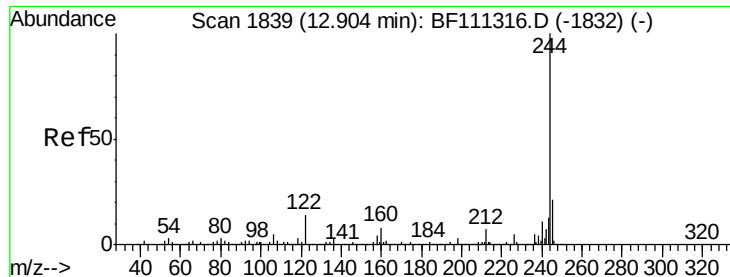
Tgt Ion:240 Resp: 439912
Ion Ratio Lower Upper
240 100
120 12.7 12.2 18.2
236 24.9 20.2 30.2



#78
Pyrene
Concen: 8.032 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion:202 Resp: 272692
Ion Ratio Lower Upper
202 100
200 21.6 19.0 28.4
203 17.7 15.2 22.8





#79

Terphenyl-d14

Concen: 69.656 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111389.D

Acq: 14 Dec 2018 00:10

Instrument :

BNA_F

ClientSampleId :

TP-1

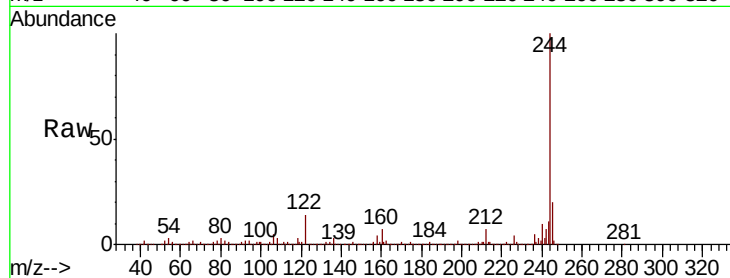
Tgt Ion:244 Resp: 1392239

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

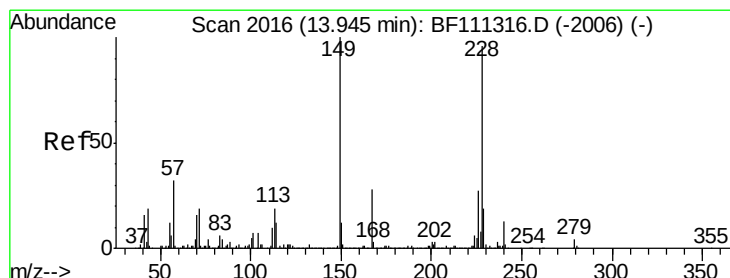
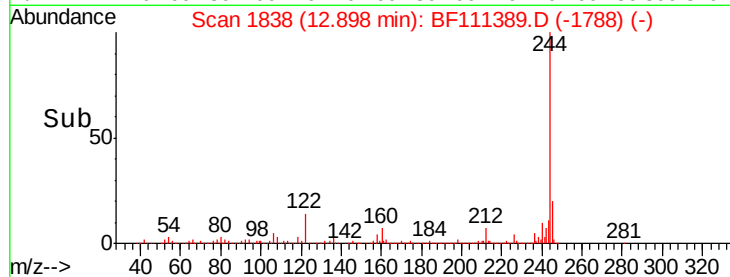
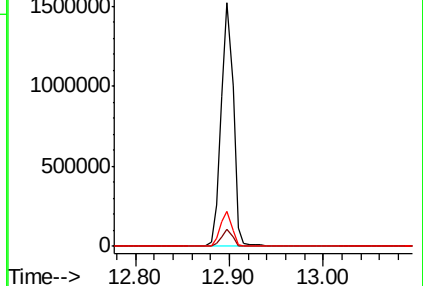
122 14.3 13.1 19.7



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: 4.560 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111389.D

Acq: 14 Dec 2018 00:10

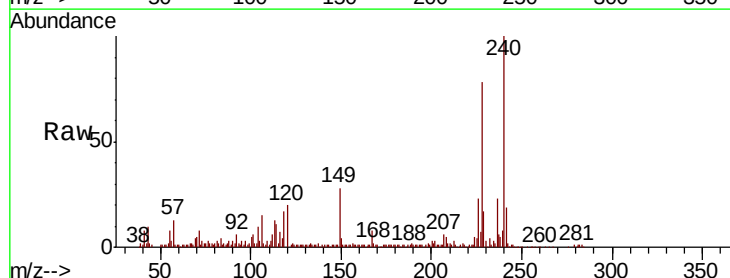
Tgt Ion:228 Resp: 112238

Ion Ratio Lower Upper

228 100

226 29.6 22.6 34.0

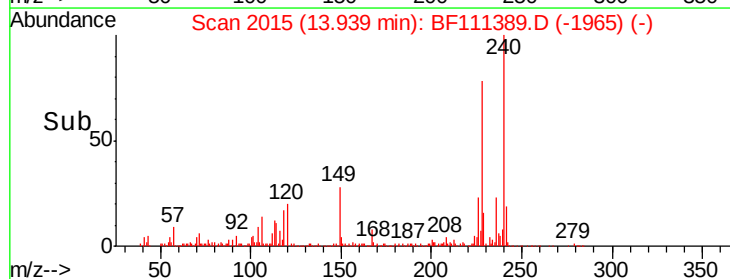
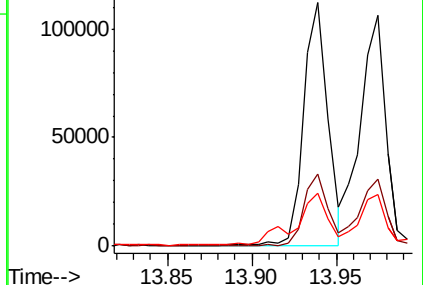
229 21.6 16.3 24.5

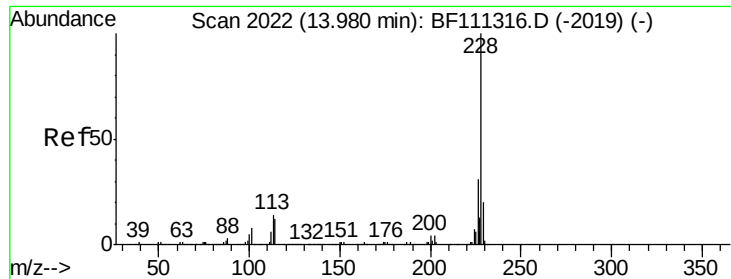


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

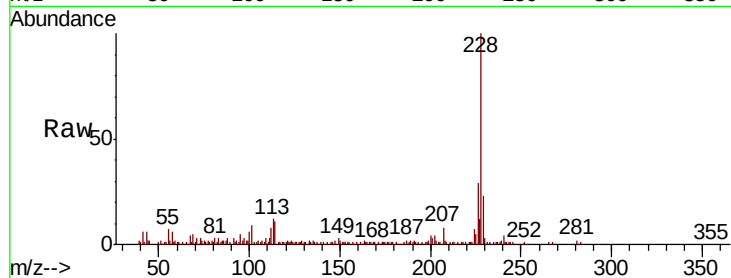




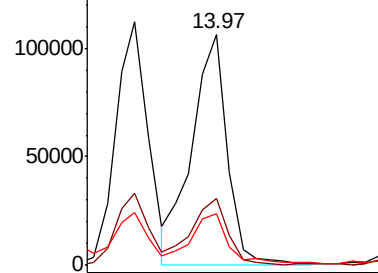
#83
Chrysene
Concen: 4.521 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Instrument :
BNA_F
ClientSampled :
TP-1

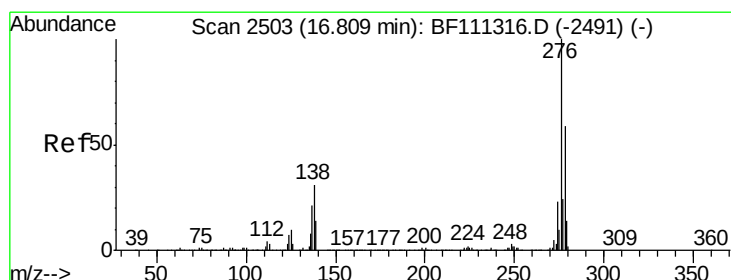
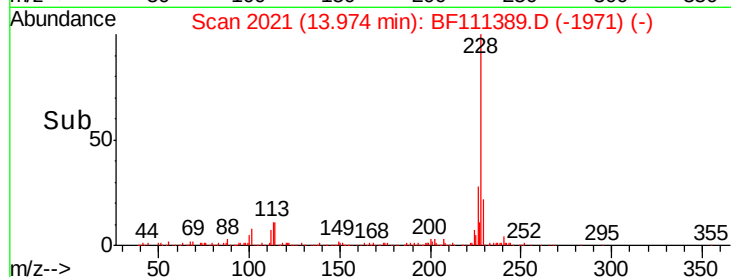
Tgt Ion: 228 Resp: 113531
Ion Ratio Lower Upper
228 100
226 28.7 25.3 37.9
229 22.6 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

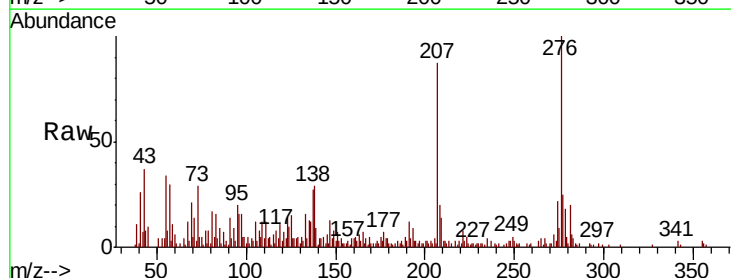


Time-->

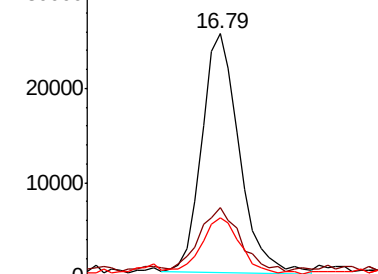


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.383 ng
RT: 16.79 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

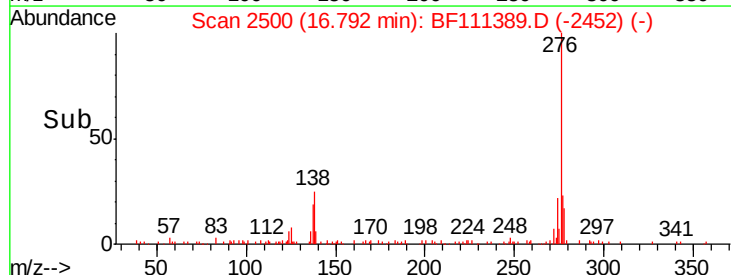
Tgt Ion: 276 Resp: 46798
Ion Ratio Lower Upper
276 100
138 28.8 27.8 41.6
277 23.4 20.1 30.1

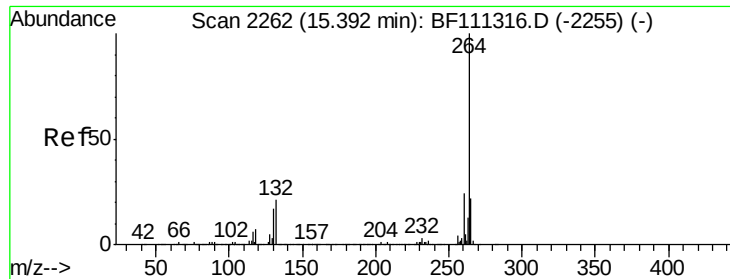


Abundance Ion 276.00 (275.70 to 276.70): E
30000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->

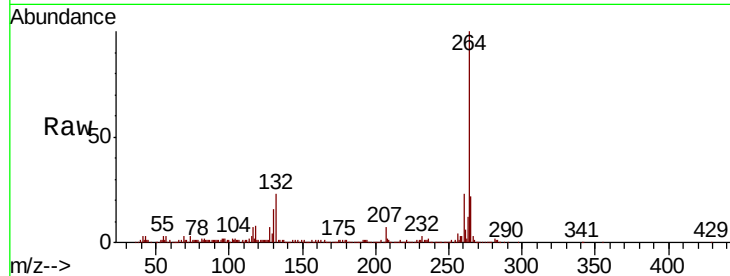




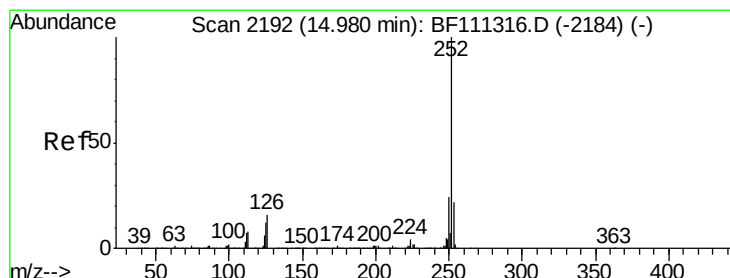
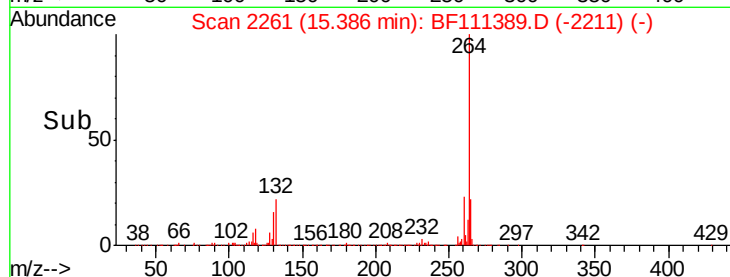
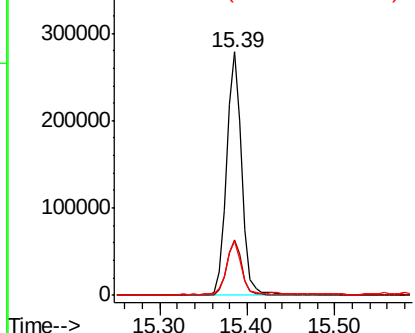
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:264 Resp: 336679
Ion Ratio Lower Upper
264 100
260 22.8 18.3 27.5
265 22.4 17.7 26.5

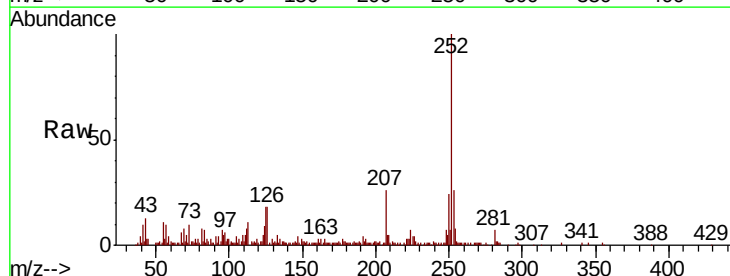


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

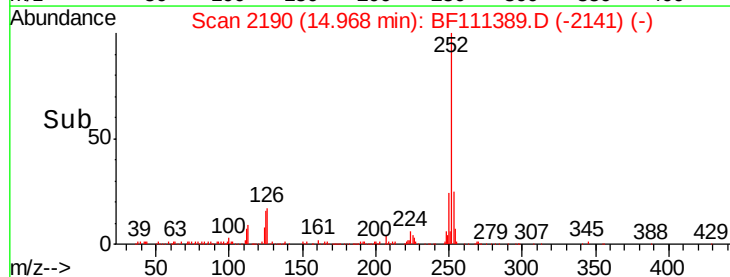
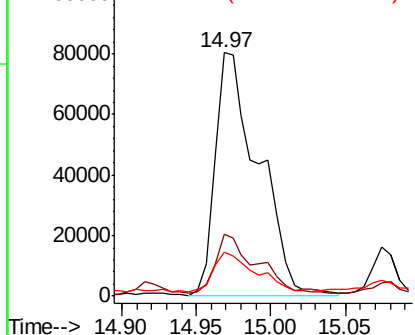


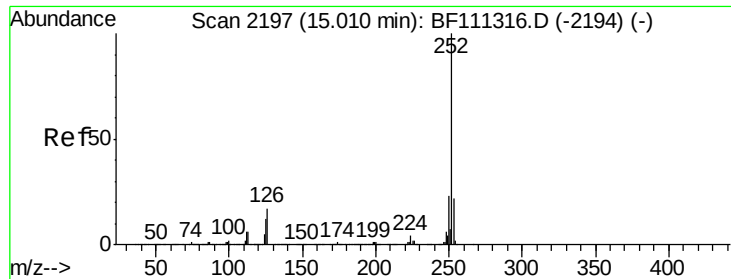
#88
Benzo(b)fluoranthene
Concen: 8.535 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion:252 Resp: 163403
Ion Ratio Lower Upper
252 100
253 25.6 18.2 27.2
125 18.1 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

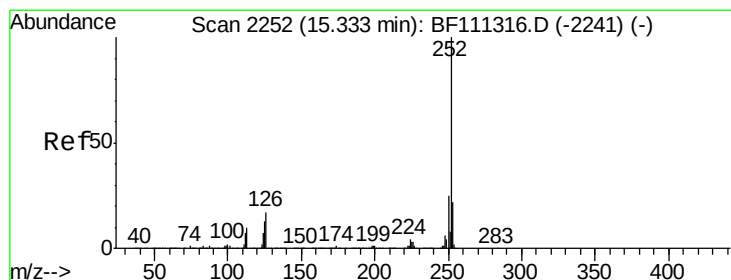
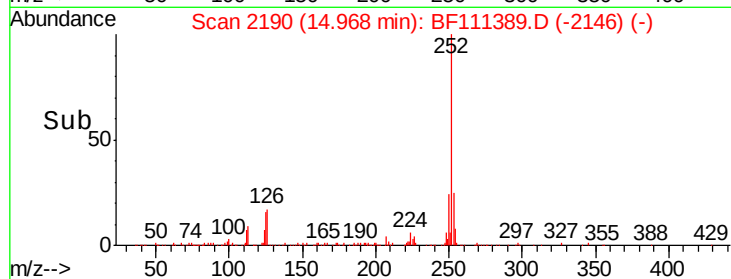
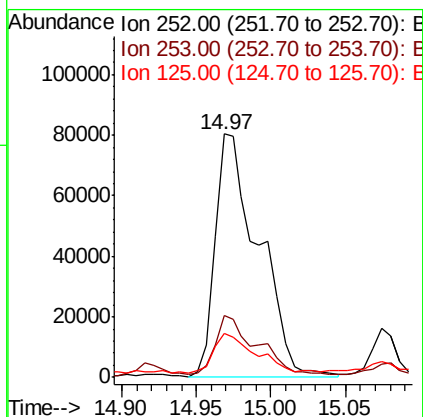
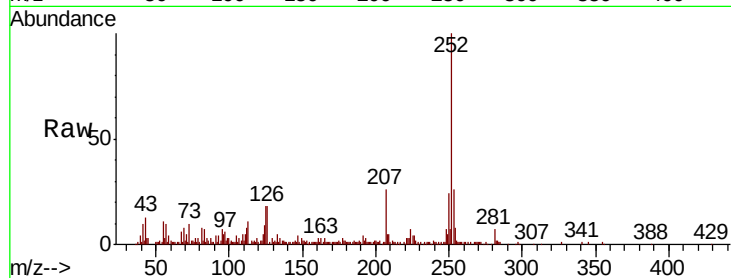




#89
Benzo(k)fluoranthene
Concen: 8.551 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

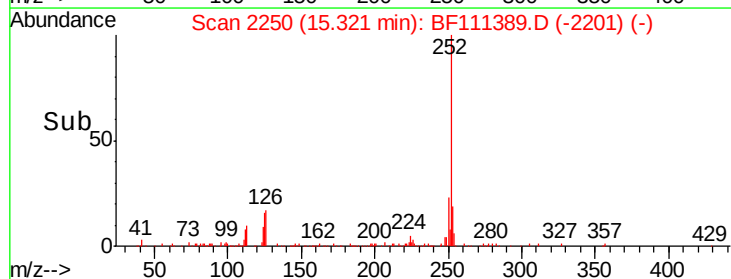
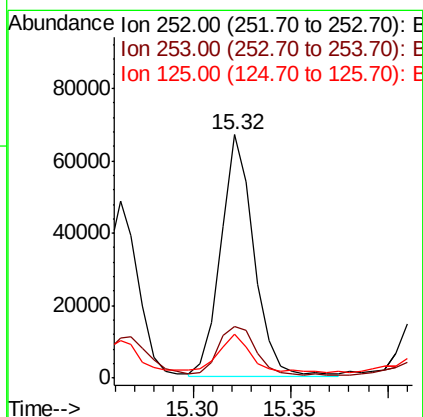
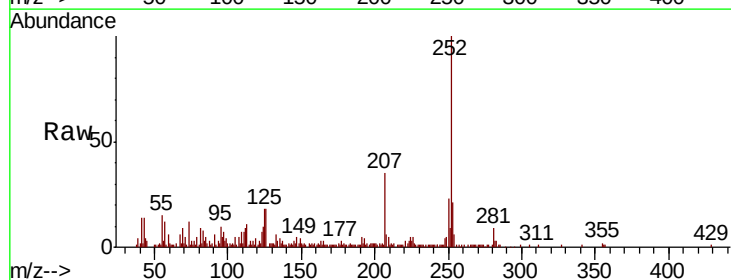
Instrument :
BNA_F
ClientSampled :
TP-1

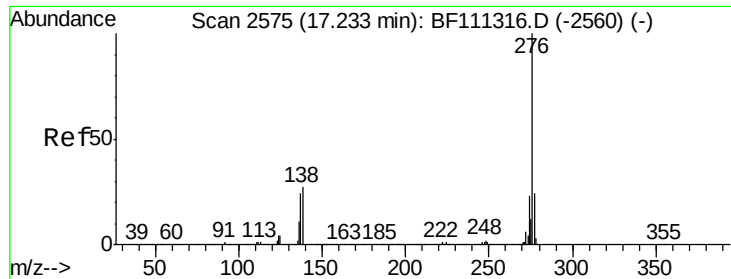
Tgt Ion:252 Resp: 163403
Ion Ratio Lower Upper
252 100
253 25.6 18.1 27.1
125 18.1 9.8 14.8#



#90
Benzo(a)pyrene
Concen: 4.378 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111389.D
Acq: 14 Dec 2018 00:10

Tgt Ion:252 Resp: 78049
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 18.1 12.3 18.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.221 ng
 RT: 17.22 min Scan# 2572
 Delta R.T. -0.02 min
 Lab File: BF111389.D
 Acq: 14 Dec 2018 00:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.2	28.8
138	34.4	24.9	37.3

