

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121018\
 Data File : BF111266.D
 Acq On : 11 Dec 2018 2:16
 Operator : JU/SJ
 Sample : J6197-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-120718

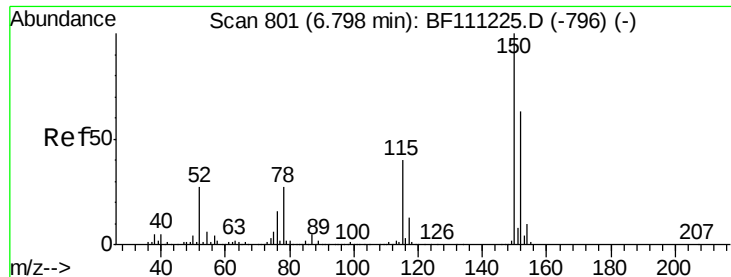
Quant Time: Dec 11 04:02:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	443541	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1575977	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	601732	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	990642	20.00	ng	0.00
76) Chrysene-d12	13.96	240	692834	20.00	ng	0.00
87) Perylene-d12	15.40	264	535612	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1363803	48.55	ng	0.00
7) Phenol-d6	6.43	99	1684091	48.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	913677	32.52	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	233110	43.73	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1451211	34.00	ng	0.00
79) Terphenyl-d14	12.91	244	1116655	38.66	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.34	77	1124	Below Cal		# 60
10) Phenol	6.44	94	81798	2.004	ng	94
19) n-Nitroso-di-n-propylamine	7.36	70	116381	4.977	ng	# 79
25) Isophorone	7.36	82	896997	18.743	ng	# 64
46) 1,1'-Biphenyl	9.26	154	5738	Below Cal		80
50) Dimethylphthalate	9.55	163	93969	2.116	ng	99
51) 2,6-Dinitrotoluene	9.84	165	80117	8.171	ng	# 29
57) 2,4-Dinitrotoluene	9.84	165	80117	6.628	ng	# 25
71) Phenanthrene	11.35	178	166626	3.335	ng	93
75) Fluoranthene	12.53	202	220139	4.823	ng	99
78) Pyrene	12.76	202	197496	3.989	ng	96
81) Benzo(a)anthracene	13.95	228	81319	2.104	ng	94
83) Chrysene	13.99	228	82239	2.064	ng	96
88) Benzo(b)fluoranthene	14.99	252	105110	3.549	ng	# 75
89) Benzo(k)fluoranthene	14.99	252	105110	3.774	ng	# 74
90) Benzo(a)pyrene	15.34	252	56944	2.088	ng	# 74

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

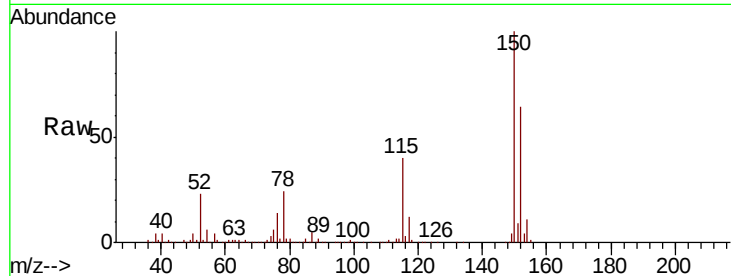


#1

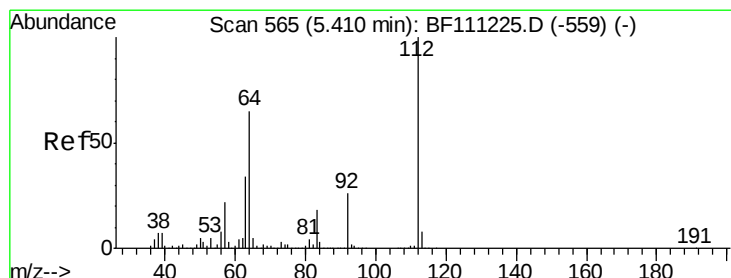
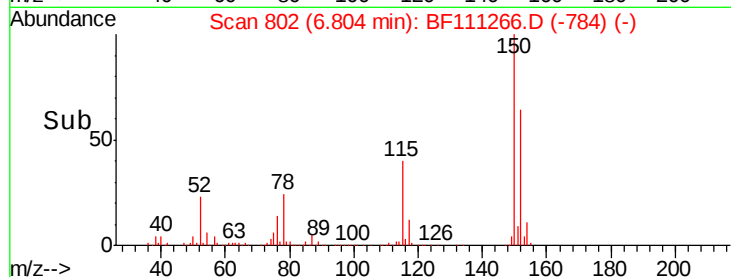
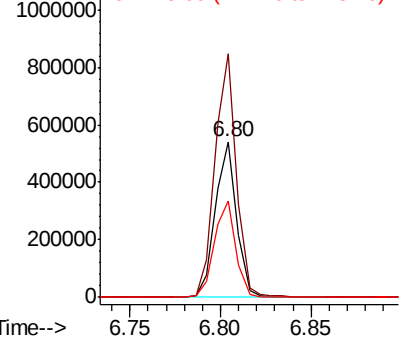
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Instrument :
BNA_F
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PL-02-120718

Tgt Ion:152 Resp: 443541
Ion Ratio Lower Upper
152 100
150 156.8 126.6 189.8
115 62.1 50.7 76.1



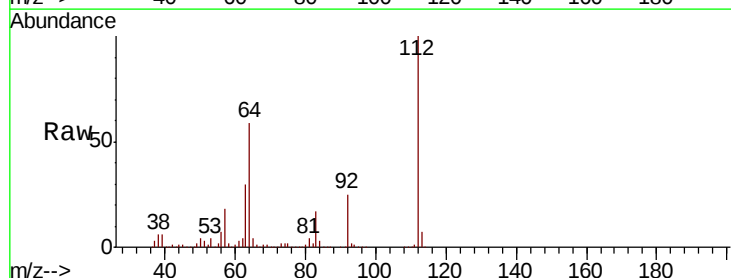
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



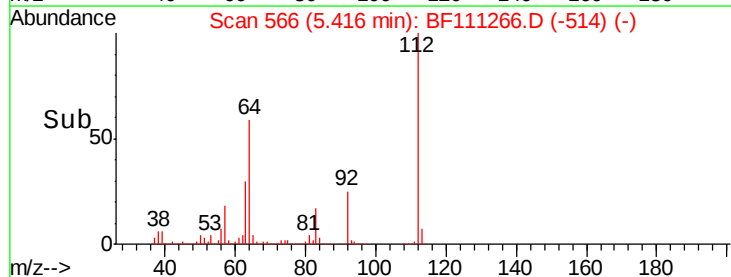
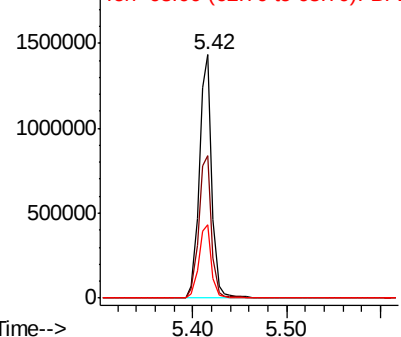
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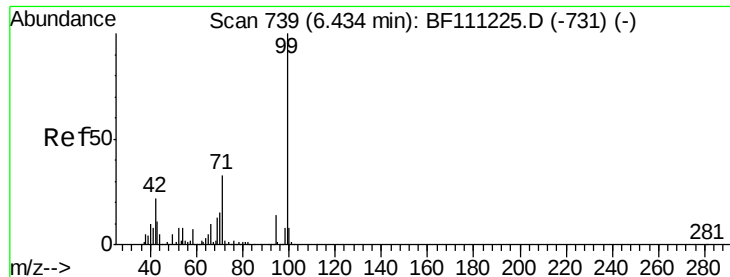
2-Fluorophenol
Concen: 48.553 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion:112 Resp: 1363803
Ion Ratio Lower Upper
112 100
64 58.8 51.8 77.6
63 30.1 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: 48.245 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111266.D

Acq: 11 Dec 2018 2:16

Instrument :

BNA_F

ClientSampleId :

PL-02-120718

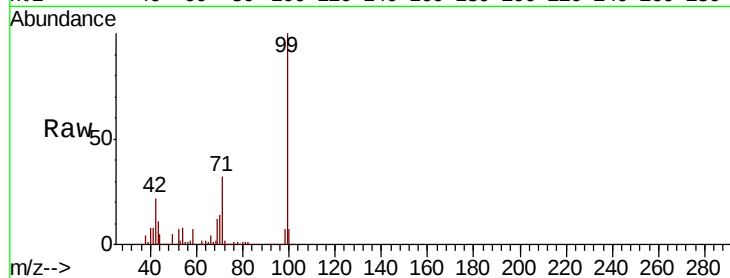
Tgt Ion: 99 Resp: 1684091

Ion Ratio Lower Upper

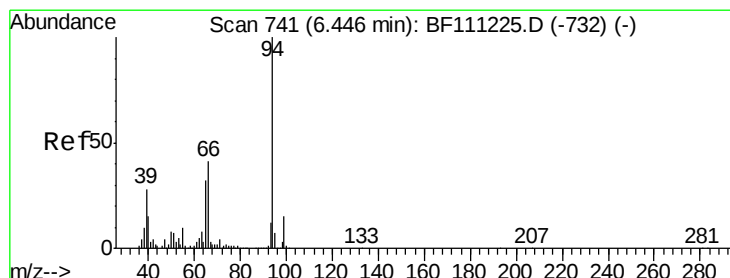
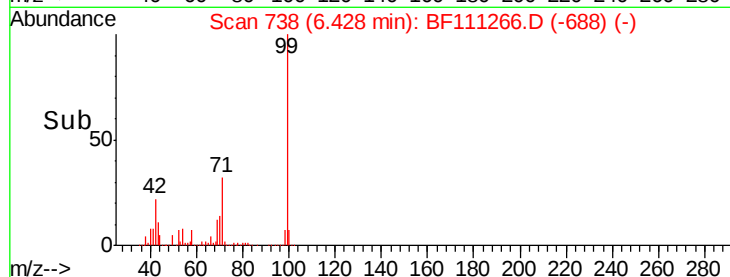
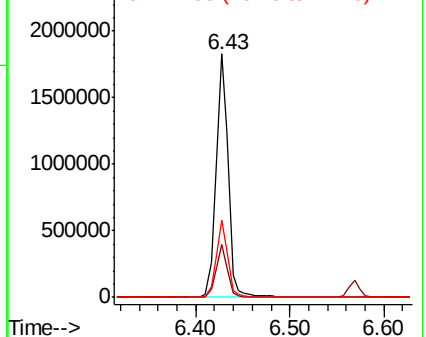
99 100

42 21.8 17.4 26.0

71 31.8 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: 2.004 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111266.D

Acq: 11 Dec 2018 2:16

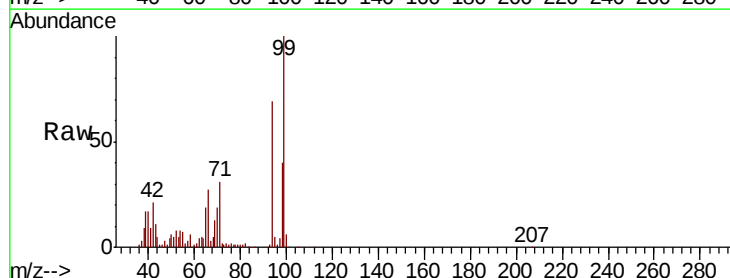
Tgt Ion: 94 Resp: 81798

Ion Ratio Lower Upper

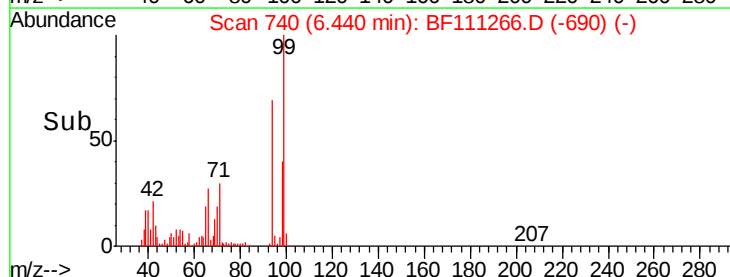
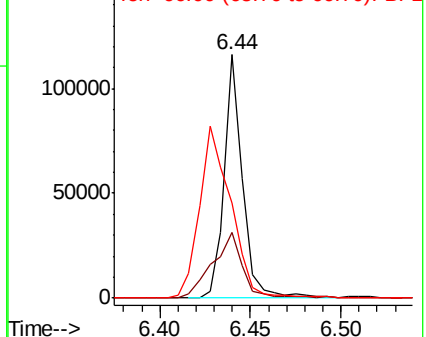
94 100

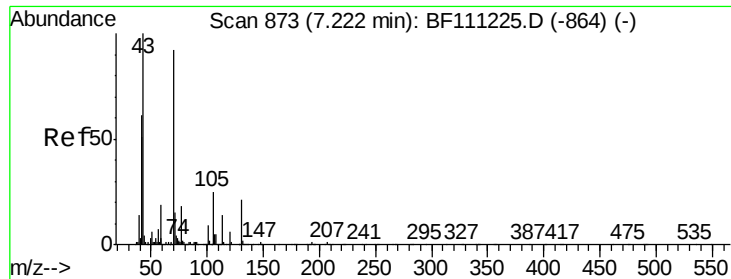
65 26.9 11.7 51.7

66 38.9 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

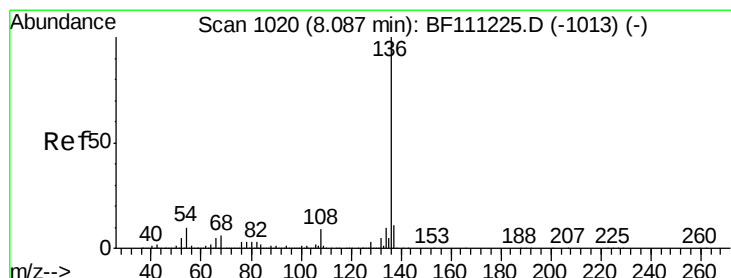
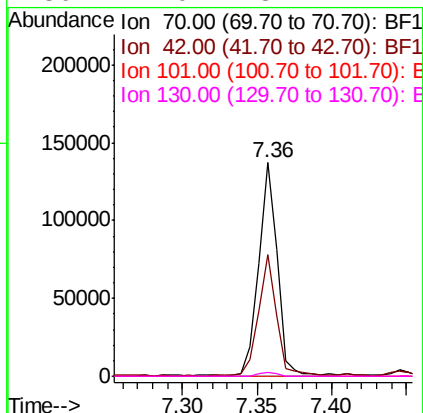
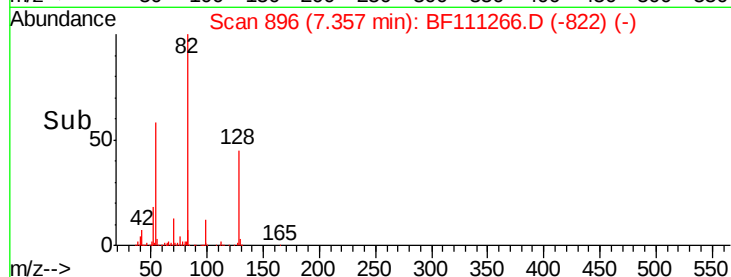
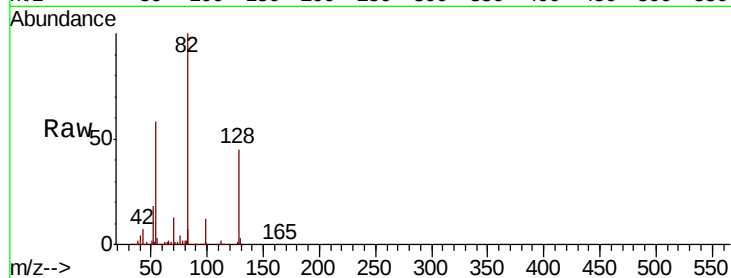




#19
n-Nitroso-di-n-propylamine
Concen: 4.977 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

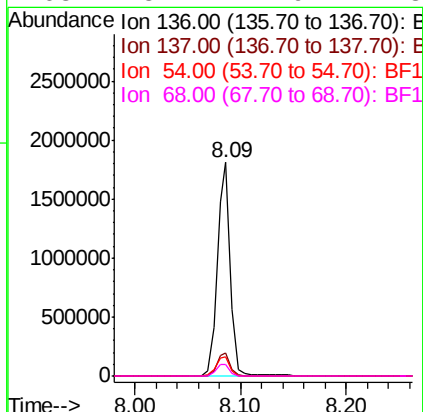
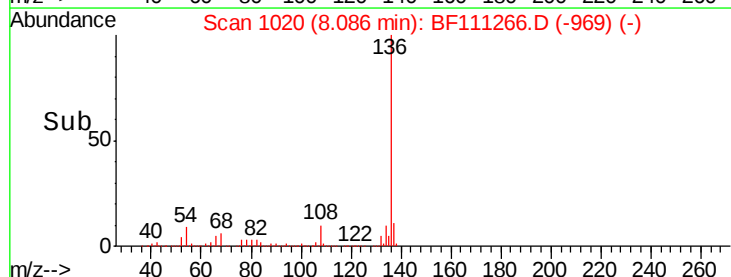
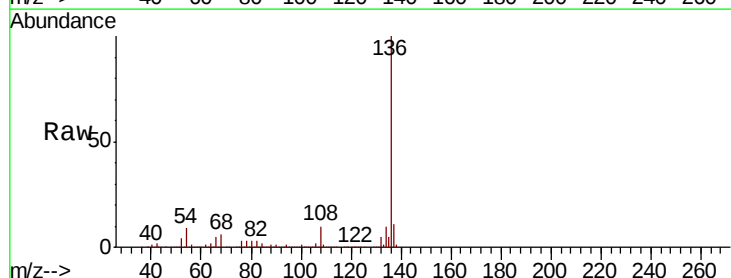
Instrument :
BNA_F
ClientSampleId :
PL-02-120718

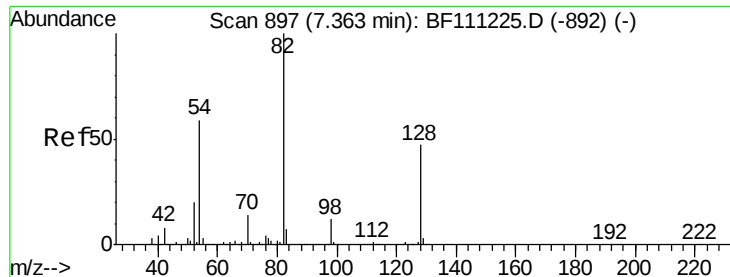
Tgt Ion: 70 Resp: 116381
Ion Ratio Lower Upper
70 100
42 56.8 53.2 79.8
101 0.0 8.2 12.4#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion: 136 Resp: 1575977
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.8 7.7 11.5
68 5.7 4.9 7.3

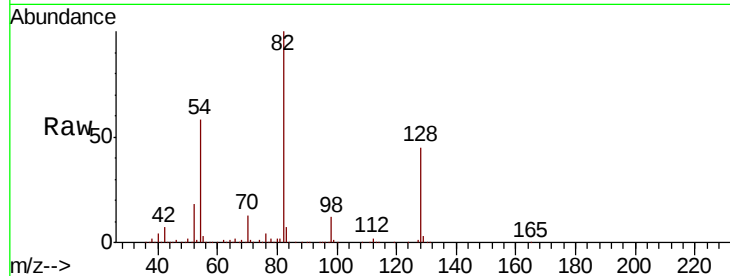




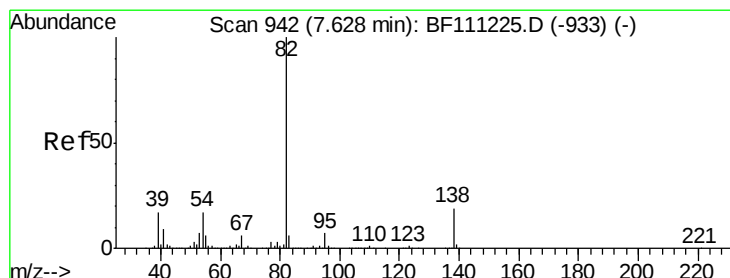
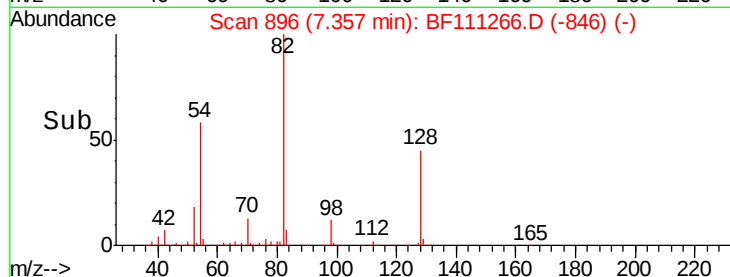
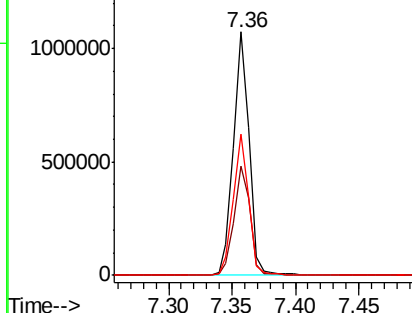
#23
Nitrobenzene-d5
Concen: 32.518 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Instrument :
BNA_F
ClientSampleId :
PL-02-120718

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.4	56.2
54	58.0	47.6	71.4

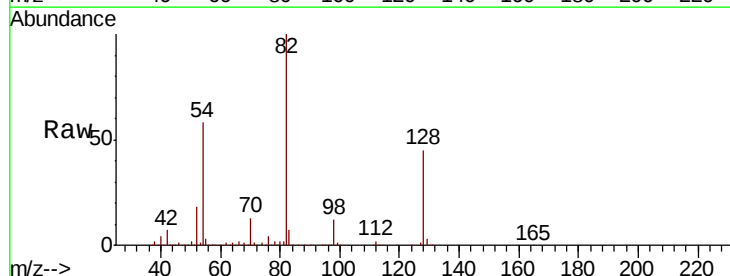


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

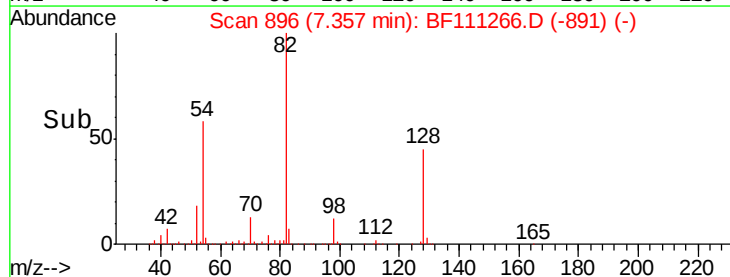
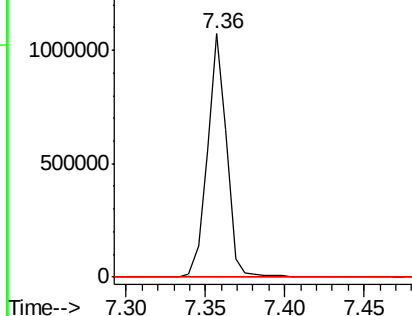


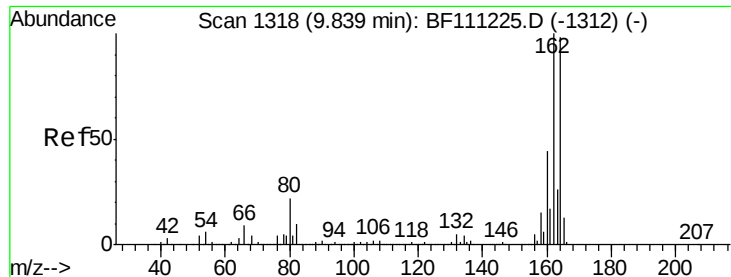
#25
Isophorone
Concen: 18.743 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.27 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	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

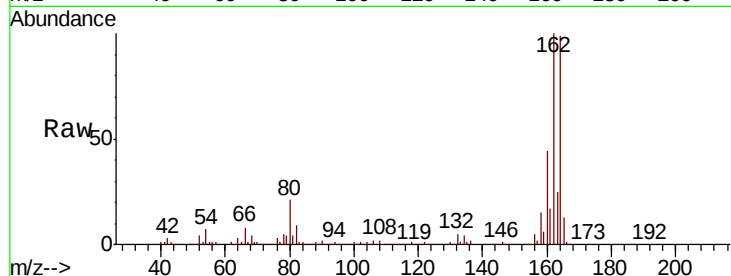




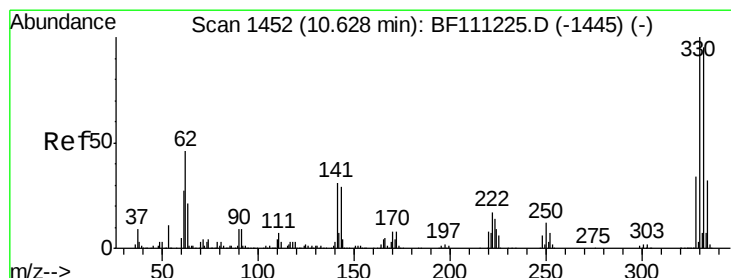
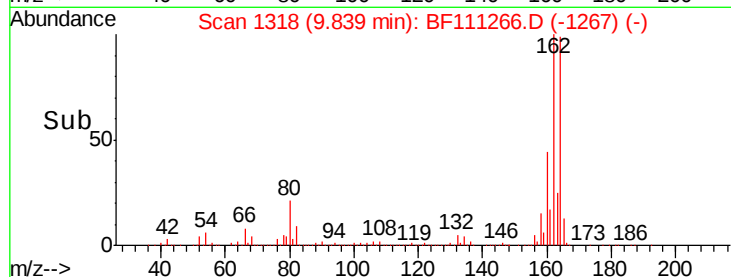
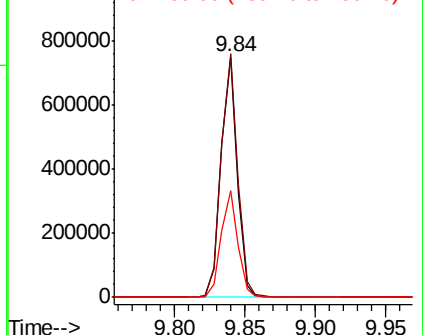
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Instrument :
BNA_F
ClientSampleId :
PL-02-120718

Tgt Ion:164 Resp: 601732
Ion Ratio Lower Upper
164 100
162 101.3 81.4 122.0
160 44.4 35.7 53.5

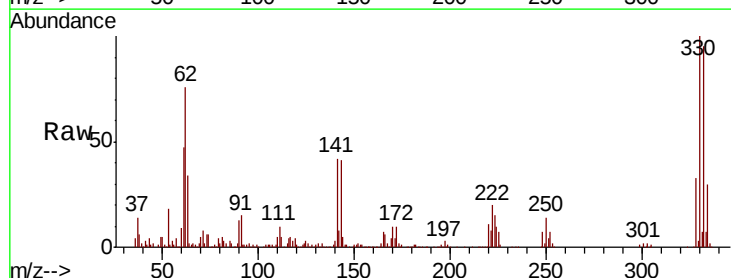


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

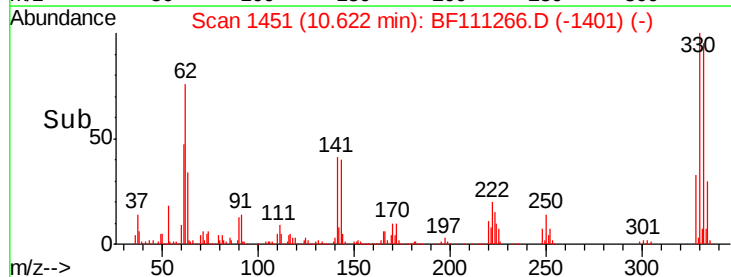
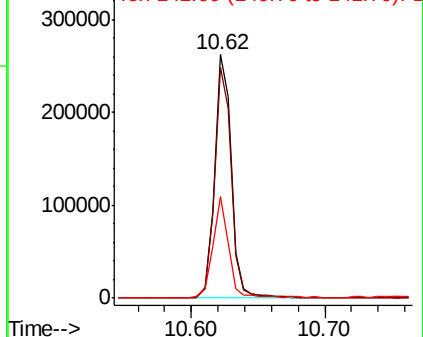


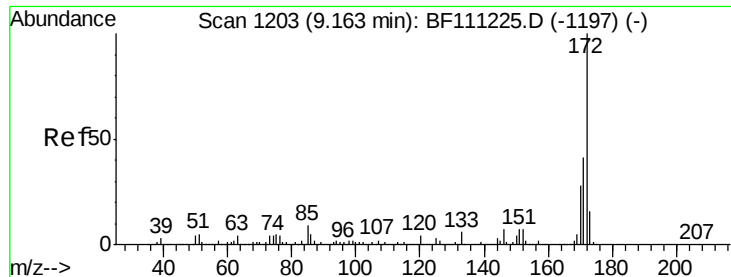
#42
2,4,6-Tribromophenol
Concen: 43.734 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion:330 Resp: 233110
Ion Ratio Lower Upper
330 100
332 95.0 76.0 114.0
141 37.6 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

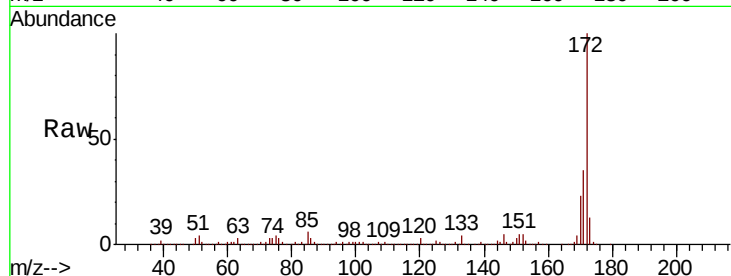




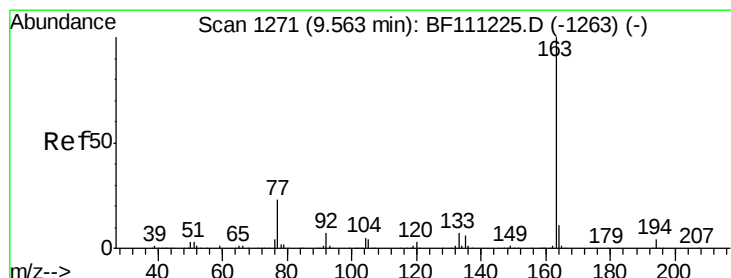
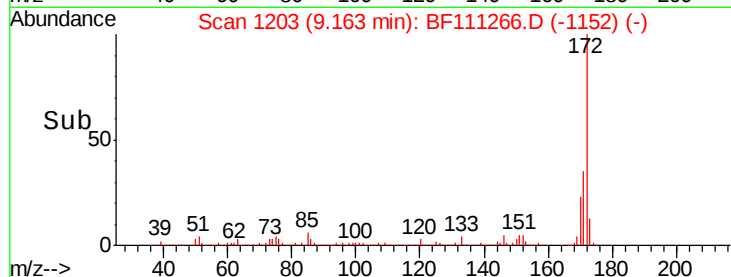
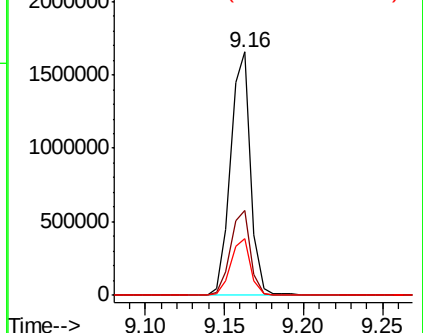
#45
 2-Fluorobiphenyl
 Concen: 34.000 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF111266.D
 Acq: 11 Dec 2018 2:16

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-120718

Tgt Ion:172 Resp: 1451211
 Ion Ratio Lower Upper
 172 100
 171 35.0 33.0 49.4
 170 23.3 22.3 33.5

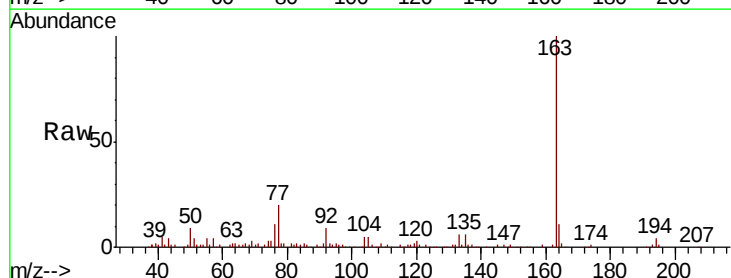


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

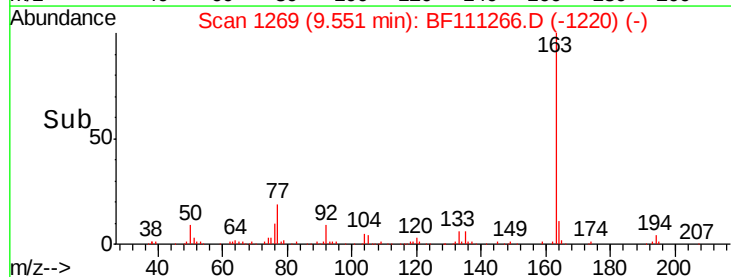
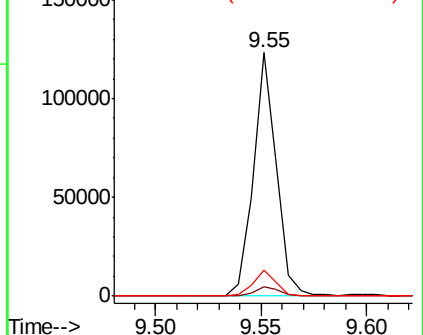


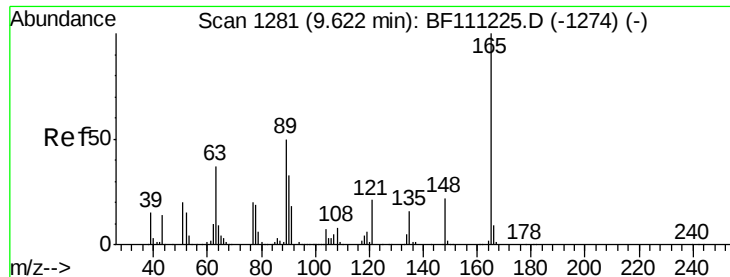
#50
 Dimethylphthalate
 Concen: 2.116 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF111266.D
 Acq: 11 Dec 2018 2:16

Tgt Ion:163 Resp: 93969
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.6
 164 10.6 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





#51

2,6-Dinitrotoluene

Concen: 8.171 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.22 min

Lab File: BF111266.D

Acq: 11 Dec 2018 2:16

Instrument :

BNA_F

ClientSampleId :

PL-02-120718

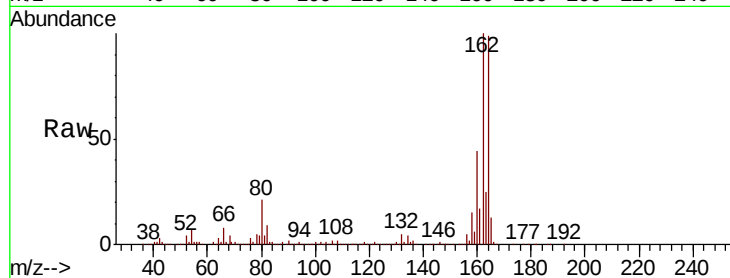
Tgt Ion:165 Resp: 80117

Ion Ratio Lower Upper

165 100

63 1.4 40.5 60.7#

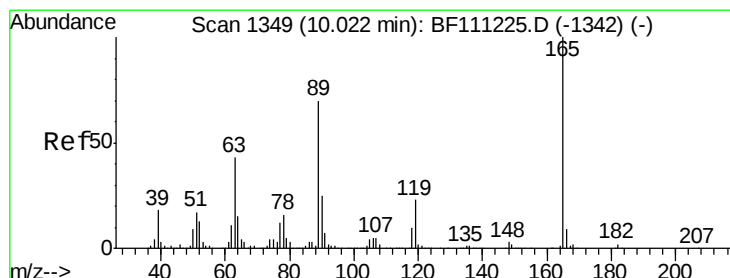
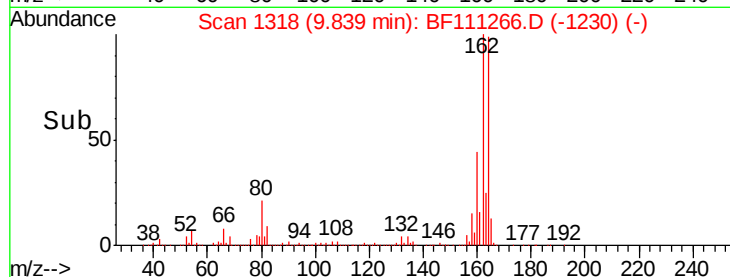
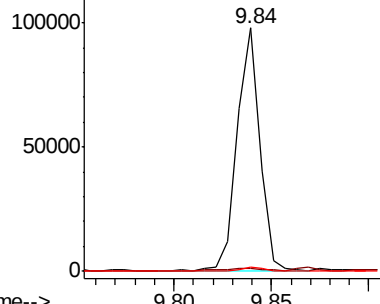
89 1.7 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 6.628 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.18 min

Lab File: BF111266.D

Acq: 11 Dec 2018 2:16

Tgt Ion:165 Resp: 80117

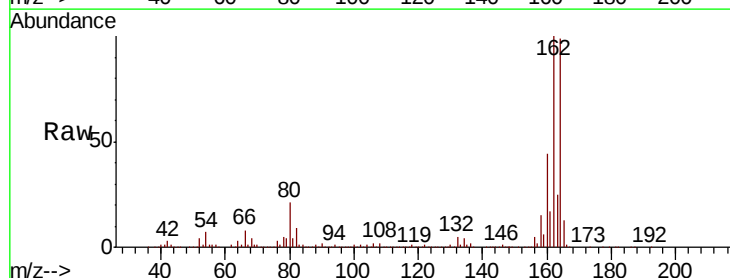
Ion Ratio Lower Upper

165 100

63 1.4 34.6 52.0#

89 1.7 56.2 84.4#

182 0.4 1.8 2.6#

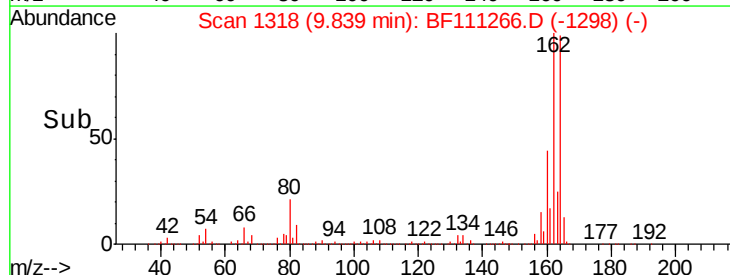
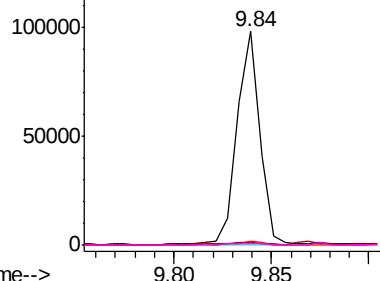


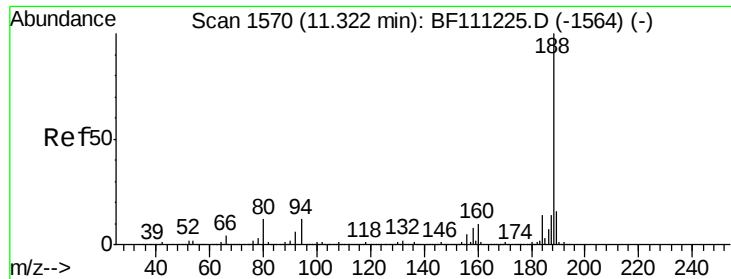
Abundance Ion 165.00 (164.70 to 165.70): E

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

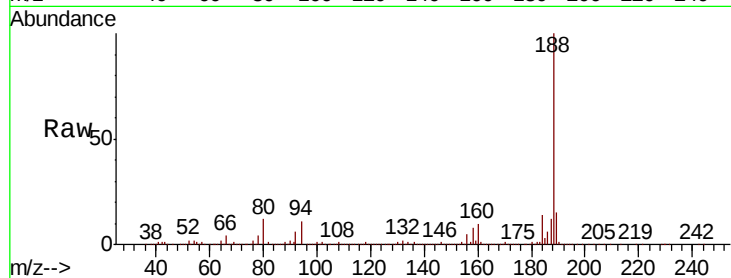




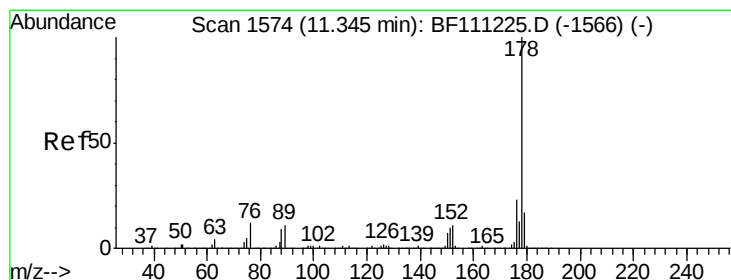
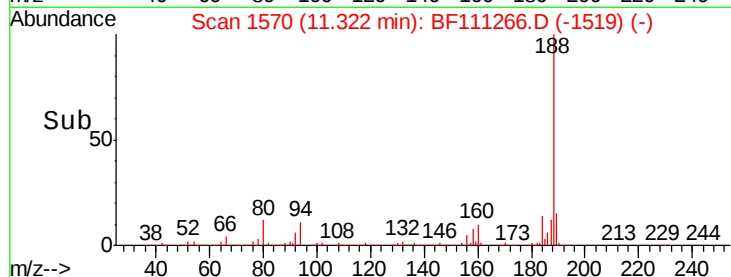
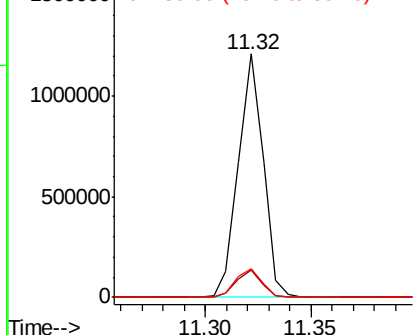
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Instrument :
BNA_F
ClientSampleId :
PL-02-120718

Tgt Ion:188 Resp: 990642
Ion Ratio Lower Upper
188 100
94 11.1 9.6 14.4
80 11.7 9.8 14.6

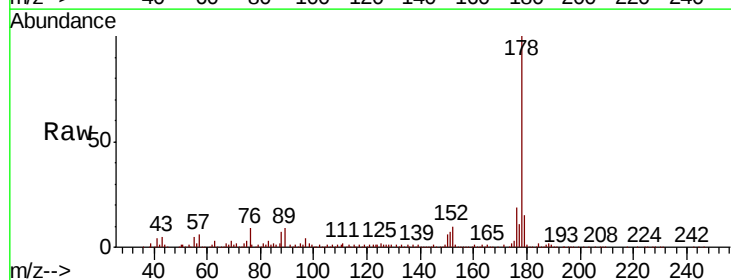


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

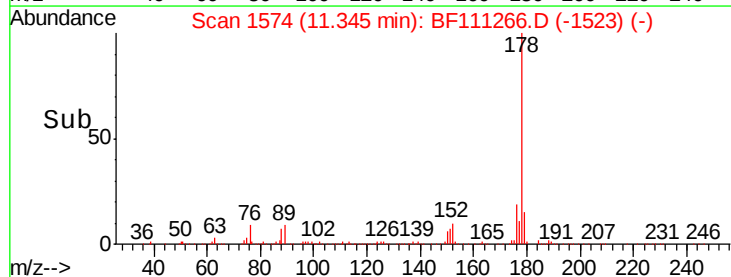
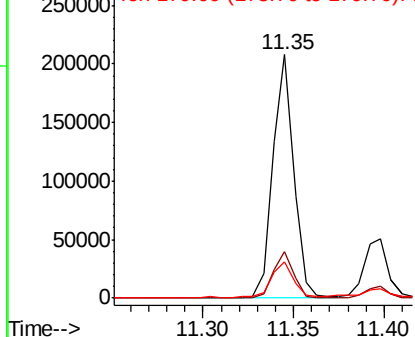


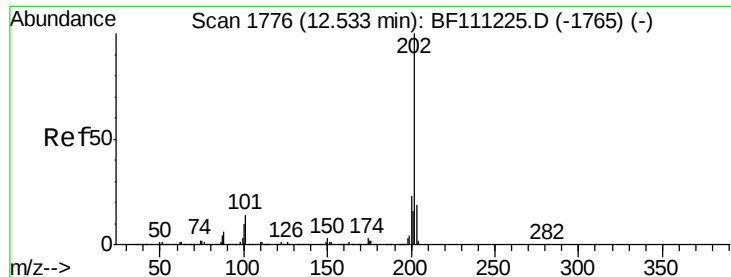
#71
Phenanthrene
Concen: 3.335 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion:178 Resp: 166626
Ion Ratio Lower Upper
178 100
176 19.0 18.1 27.1
179 15.0 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

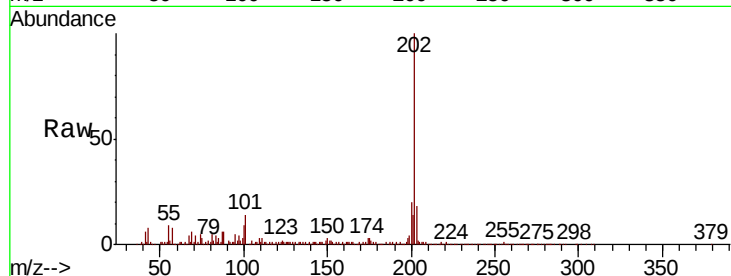




#75
Fluoranthene
Concen: 4.823 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Instrument :
BNA_F
ClientSampleId :
PL-02-120718

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.8
203	18.1	0.0	38.6

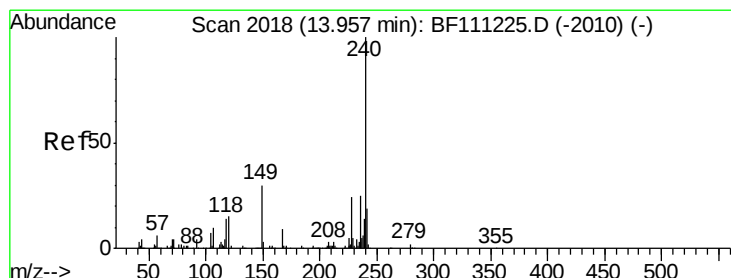
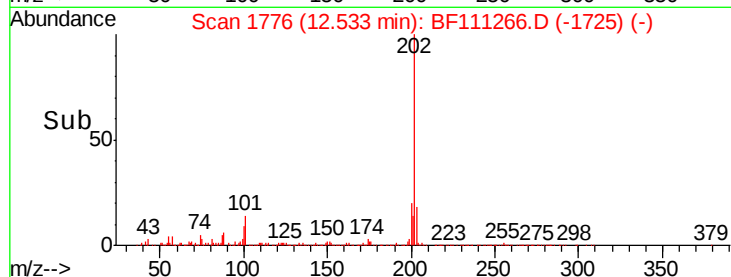
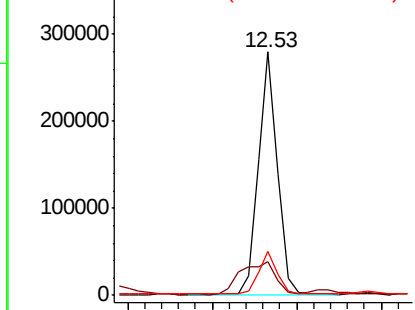


Abundance

Ion 202.00 (201.70 to 202.70): E

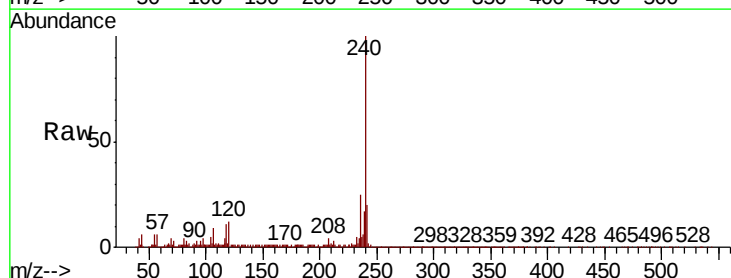
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	12.2	18.2
236	25.3	20.2	30.2

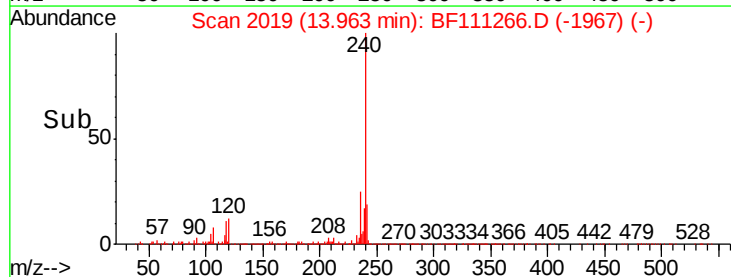
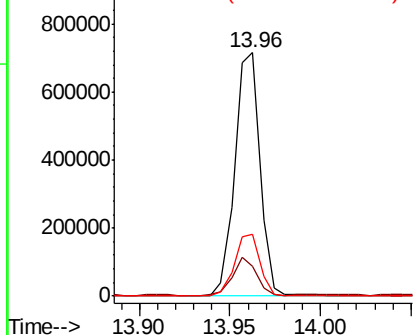


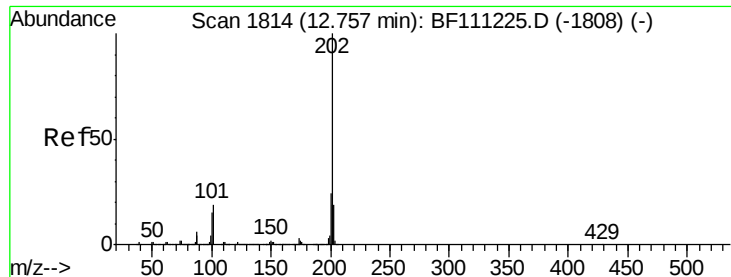
Abundance

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





#78

Pyrene

Concen: 3.989 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111266.D

Acq: 11 Dec 2018 2:16

Instrument :

BNA_F

ClientSampleId :

PL-02-120718

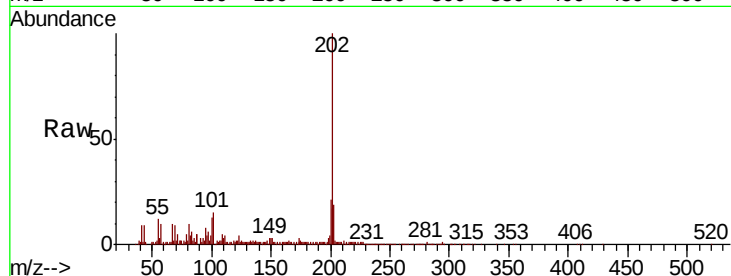
Tgt Ion:202 Resp: 197496

Ion Ratio Lower Upper

202 100

200 20.7 19.0 28.4

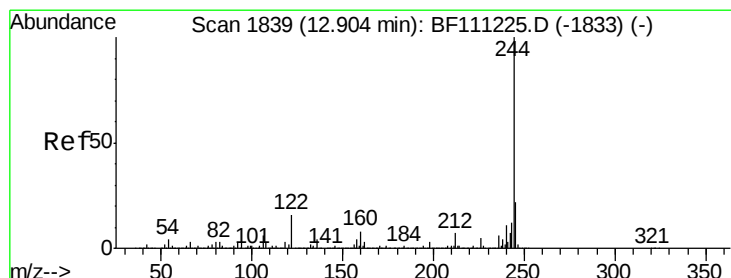
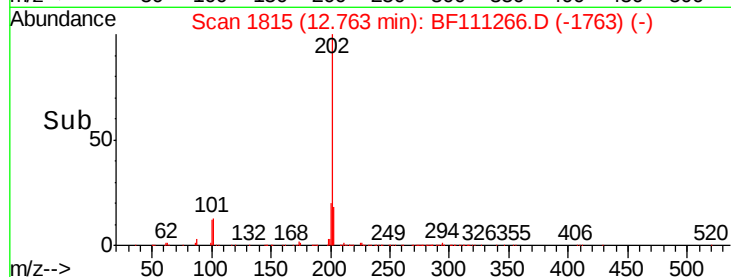
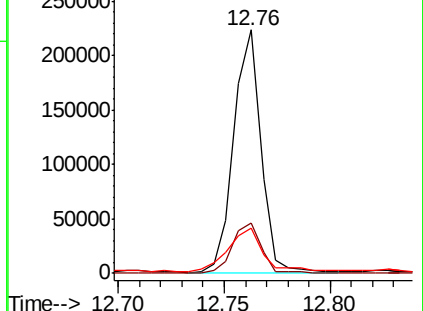
203 18.6 15.2 22.8



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: 38.659 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111266.D

Acq: 11 Dec 2018 2:16

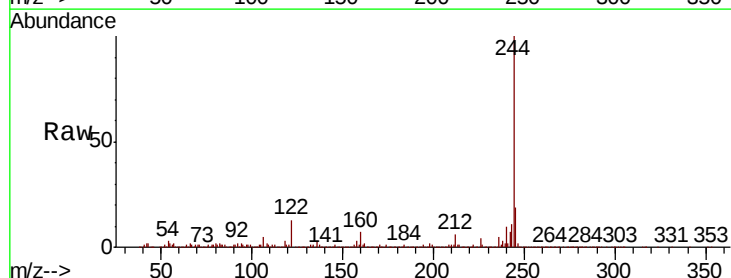
Tgt Ion:244 Resp: 1116655

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

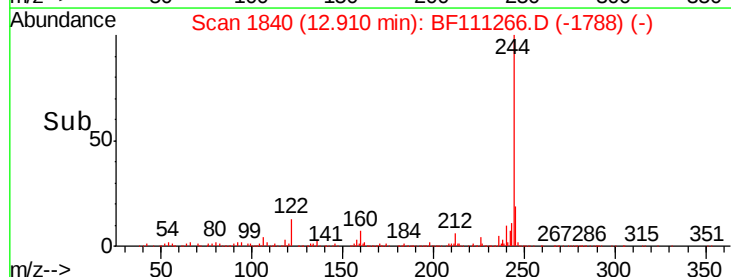
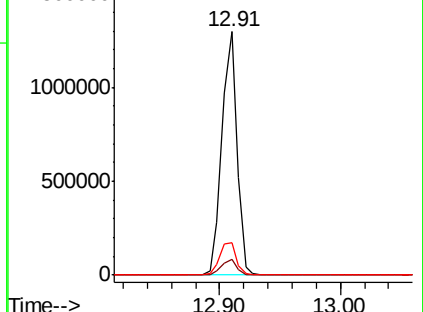
122 13.5 13.1 19.7

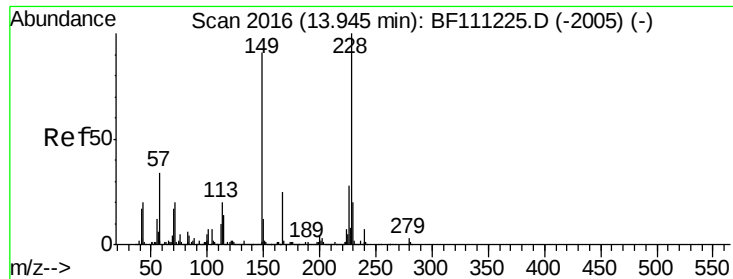


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

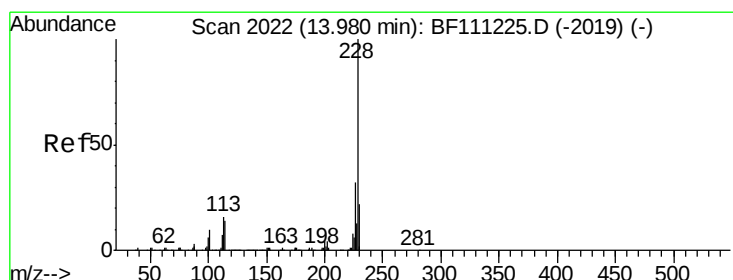
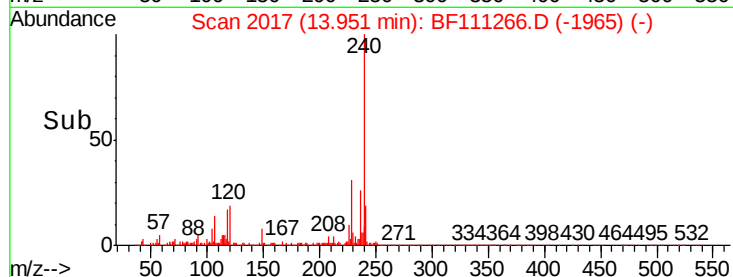
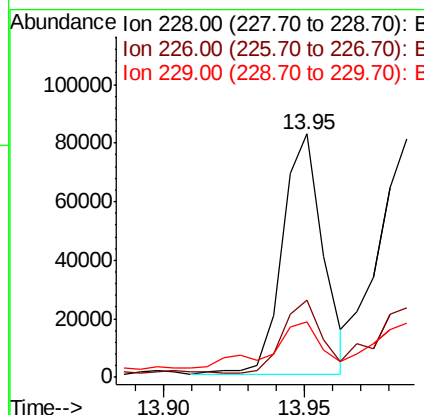
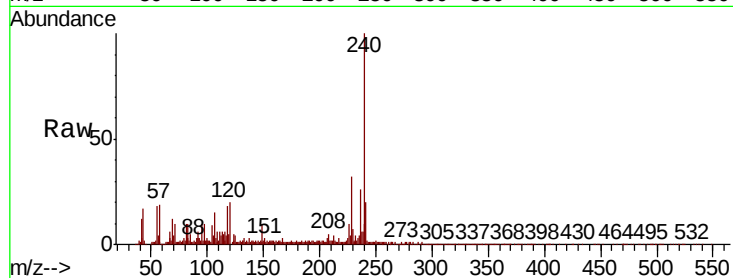




#81
Benzo(a)anthracene
Concen: 2.104 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

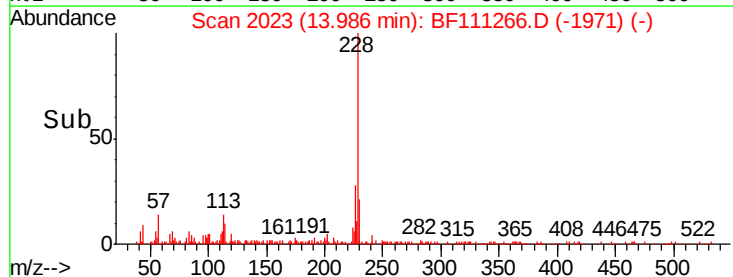
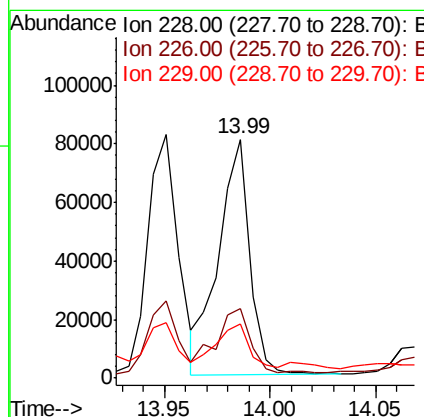
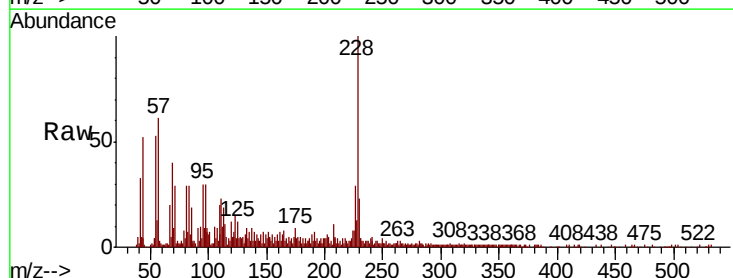
Instrument :
BNA_F
ClientSampleId :
PL-02-120718

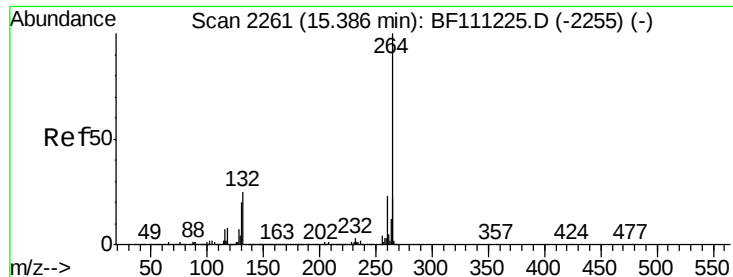
Tgt Ion:228 Resp: 81319
Ion Ratio Lower Upper
228 100
226 31.5 22.6 34.0
229 22.6 16.3 24.5



#83
Chrysene
Concen: 2.064 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion:228 Resp: 82239
Ion Ratio Lower Upper
228 100
226 29.3 25.3 37.9
229 22.7 17.2 25.8

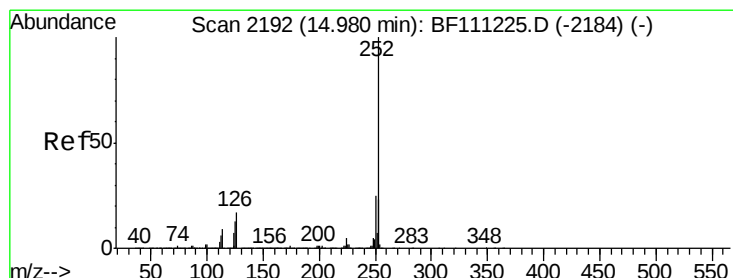
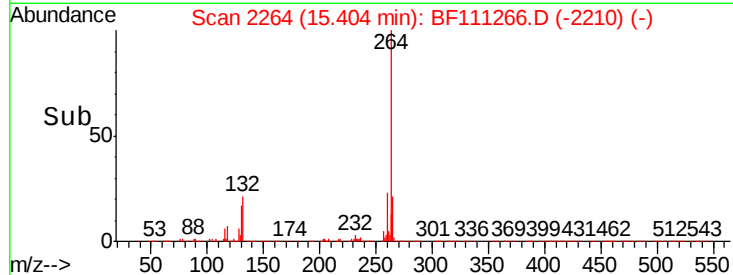
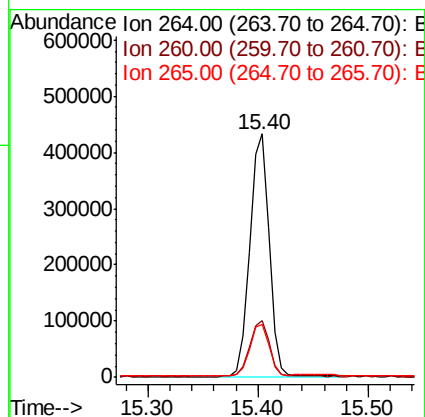
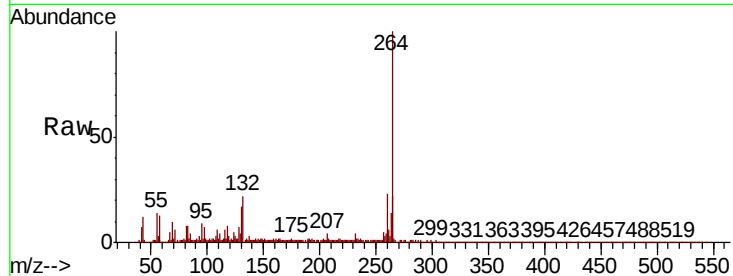




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.02 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

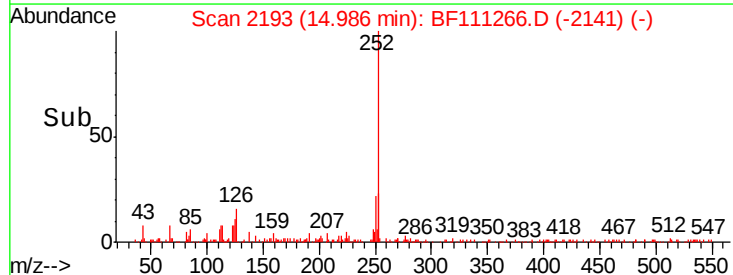
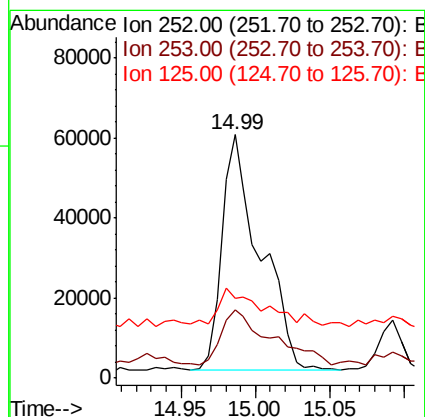
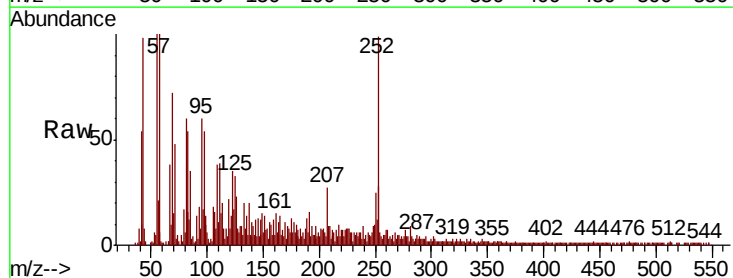
Instrument :
BNA_F
ClientSampleId :
PL-02-120718

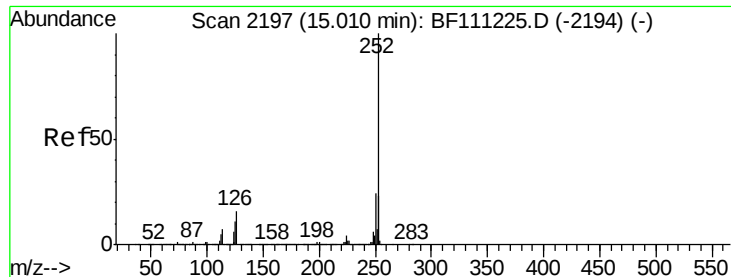
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.9	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 3.549 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.2	27.2#
125	32.8	10.4	15.6#

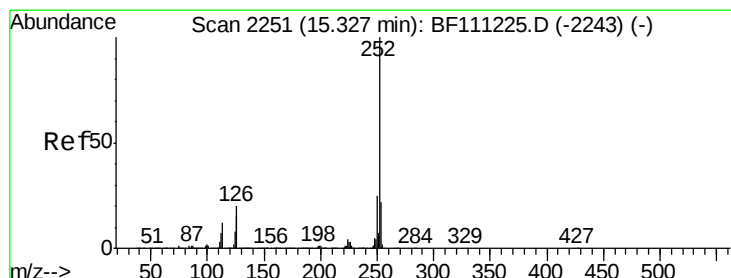
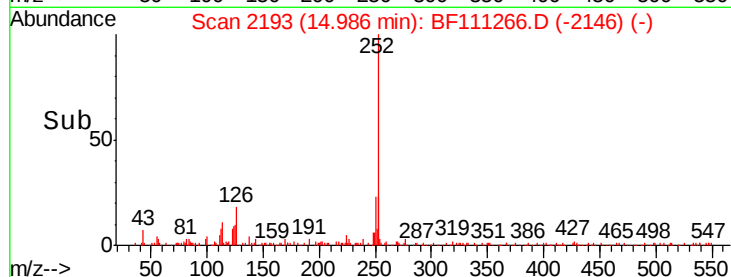
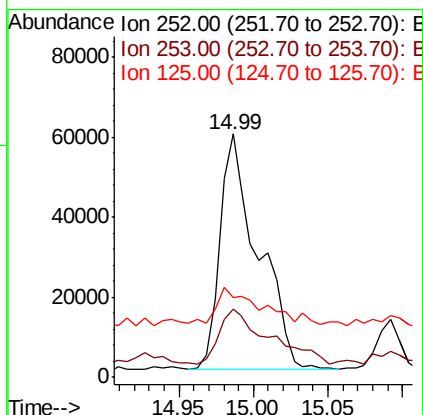
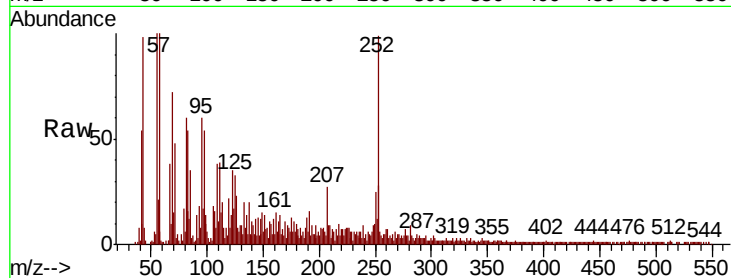




#89
Benzo(k)fluoranthene
Concen: 3.774 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Instrument :
BNA_F
ClientSampleId :
PL-02-120718

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	32.8	9.8	14.8#



#90
Benzo(a)pyrene
Concen: 2.088 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF111266.D
Acq: 11 Dec 2018 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.8	26.8#
125	33.4	12.3	18.5#

