

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120200.D
 Acq On : 24 Apr 2020 14:18
 Operator : MA/SJ
 Sample : L2117-06 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-042220

Quant Time: Apr 24 14:54:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	132233	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	524399	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	244336	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	393366	20.00	ng	0.00
76) Chrysene-d12	13.82	240	251544	20.00	ng	-0.01
87) Perylene-d12	15.22	264	238176	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	168585	22.03	ng	0.00
7) Phenol-d6	6.31	99	227668	23.09	ng	0.00
23) Nitrobenzene-d5	7.22	82	130214	12.85	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	50019	16.72	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	300318	17.45	ng	0.00
79) Terphenyl-d14	12.77	244	232283	15.54	ng	0.00

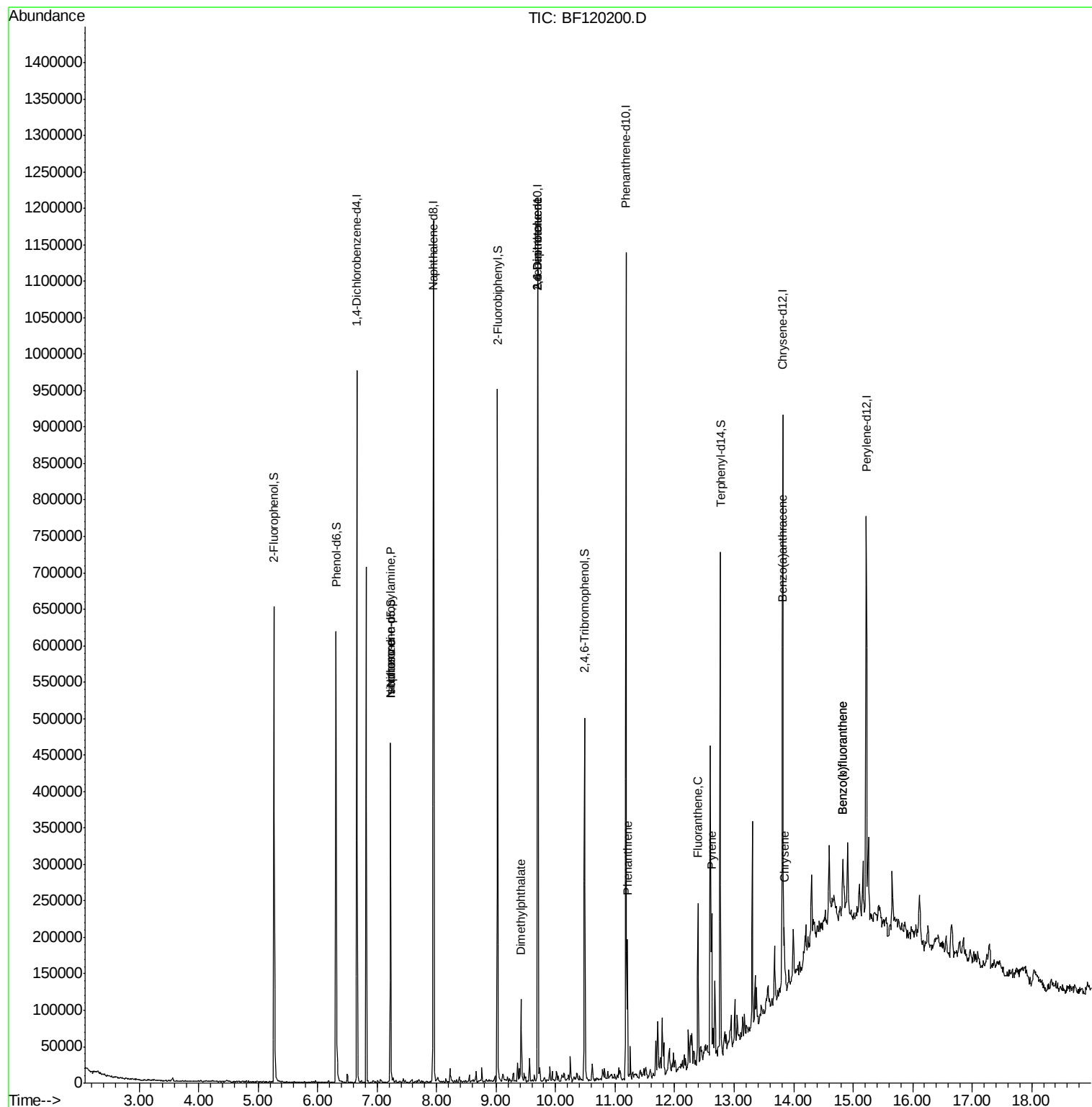
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	16314	2.573	ng	# 77
25) Isophorone	7.22	82	130212	6.664	ng	# 65
50) Dimethylphthalate	9.42	163	39400	2.085	ng	# 99
51) 2,6-Dinitrotoluene	9.70	165	30755	7.431	ng	# 26
57) 2,4-Dinitrotoluene	9.70	165	30755	5.640	ng	# 20
71) Phenanthrene	11.20	178	63127	3.015	ng	# 96
75) Fluoranthene	12.39	202	78395	3.471	ng	# 97
78) Pyrene	12.62	202	83267	3.927	ng	# 96
81) Benzo(a)anthracene	13.80	228	34859	2.107	ng	# 93
83) Chrysene	13.84	228	35493	2.111	ng	# 94
88) Benzo(b)fluoranthene	14.82	252	48086	2.806	ng	# 93
89) Benzo(k)fluoranthene	14.82	252	48086	3.253	ng	# 95

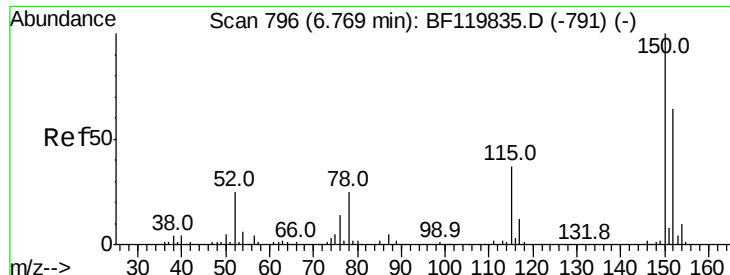
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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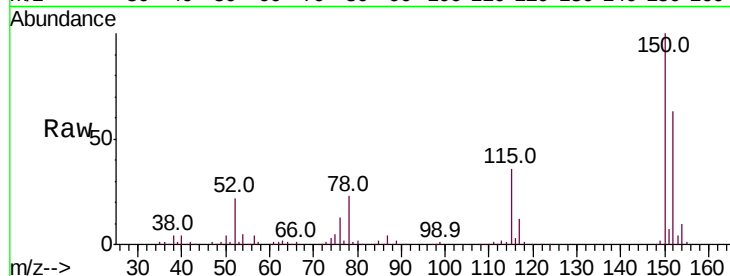


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Instrument :
BNA_F
ClientSampleId :
OK-01-042220

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.5	186.7
115	57.9	49.6	74.4

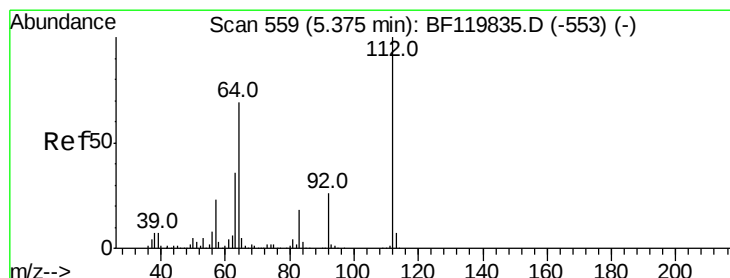
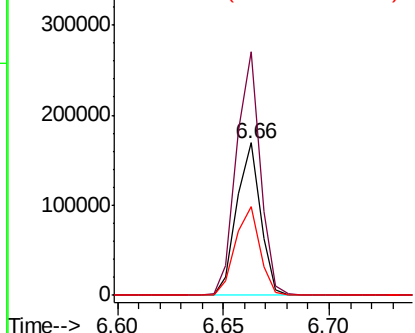
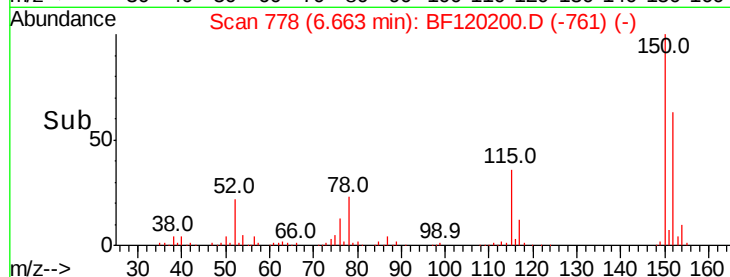


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

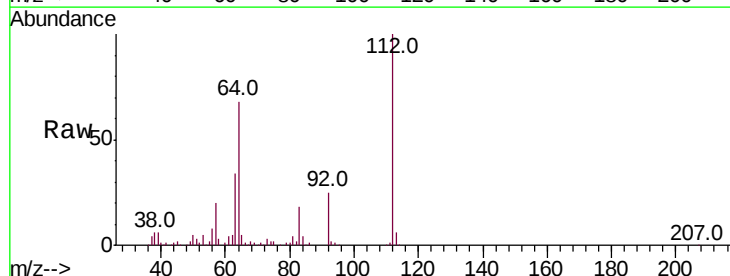
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.033 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	56.7	85.1
63	33.6	29.5	44.3

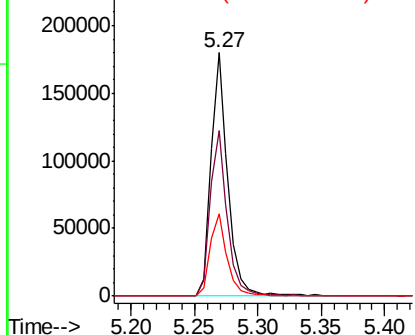
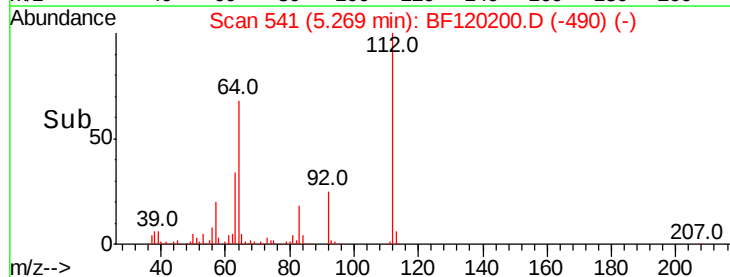


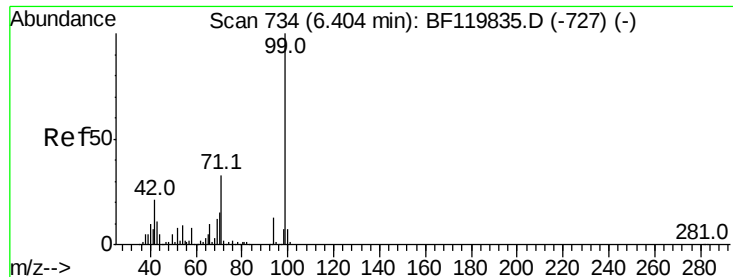
Abundance

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: 23.091 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Instrument :

BNA_F

ClientSampleId :

OK-01-042220

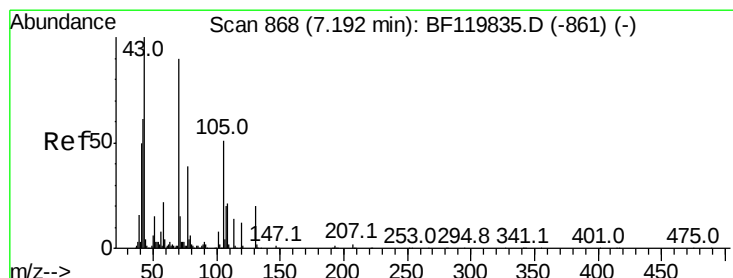
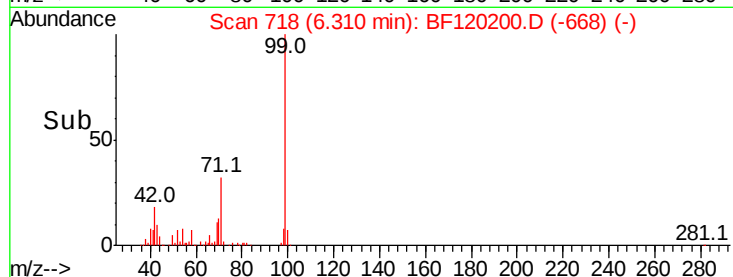
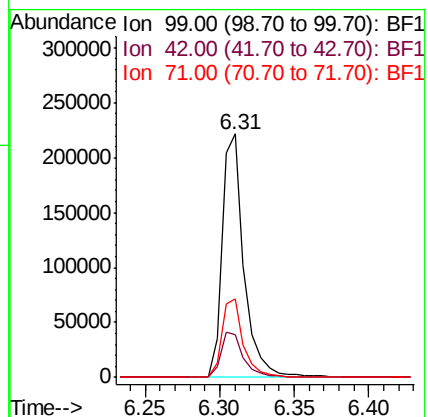
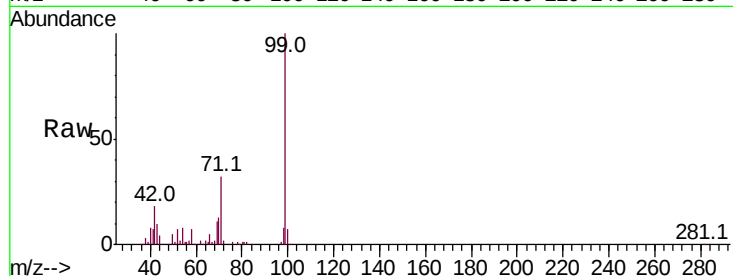
Tot Ion: 99 Resp: 227668

Ion Ratio Lower Upper

99 100

42 17.6 16.6 24.8

71 32.0 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.573 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Tgt Ion: 70 Resp: 16314

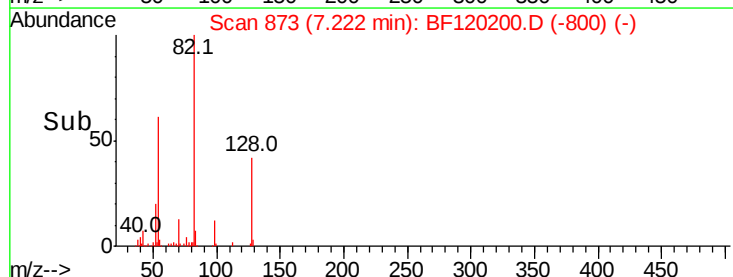
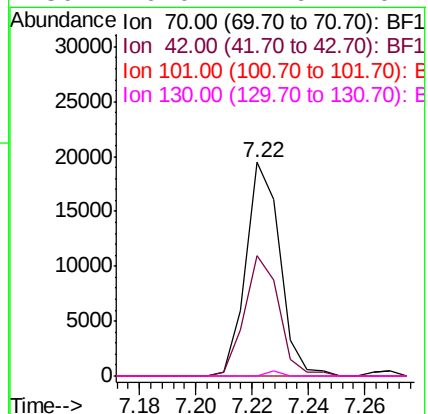
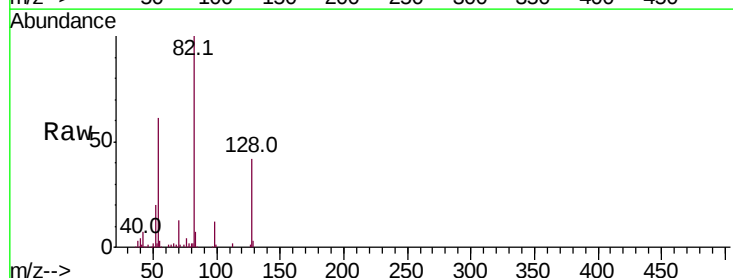
Ion Ratio Lower Upper

70 100

42 56.5 54.5 81.7

101 0.0 7.6 11.4#

130 0.0 17.6 26.4#

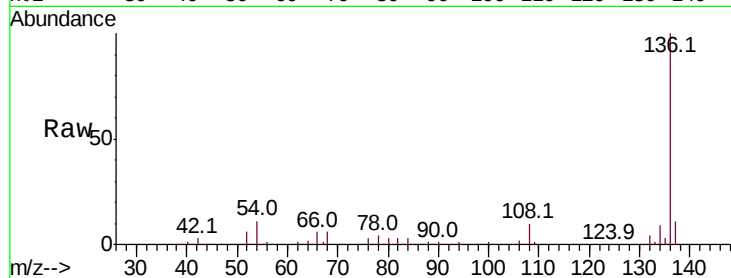




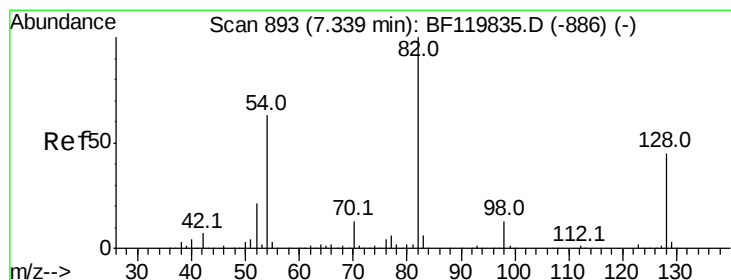
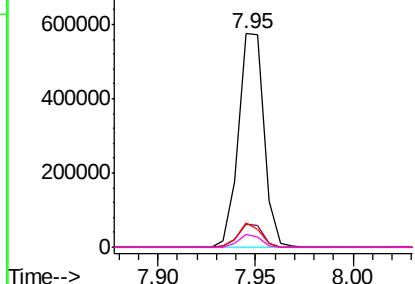
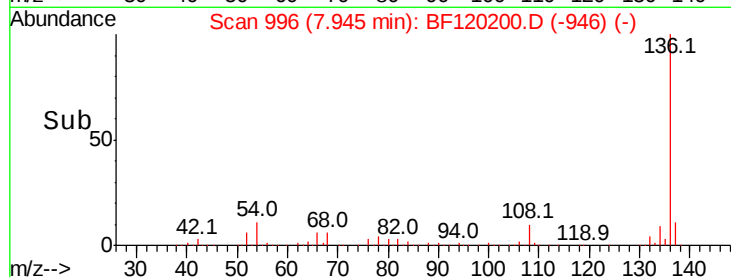
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Instrument :
BNA_F
ClientSampleId :
OK-01-042220

Tot Ion:	136	Resp:	524399
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	11.1	9.1	13.7
68	5.7	4.6	6.8

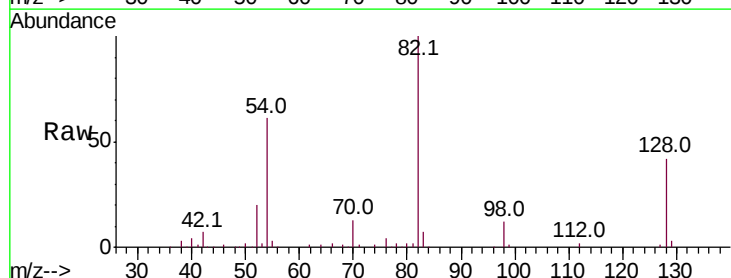


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

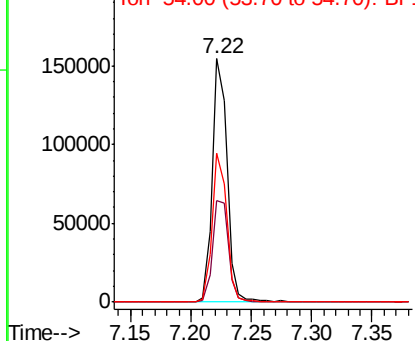
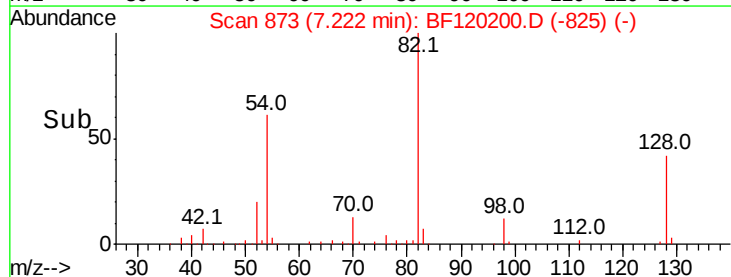


#23
Nitrobenzene-d5
Concen: 12.846 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Tgt Ion:	82	Resp:	130214
Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.3	54.5
54	61.4	50.6	75.8



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: 6.664 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Instrument :

BNA_F

ClientSampleId :

OK-01-042220

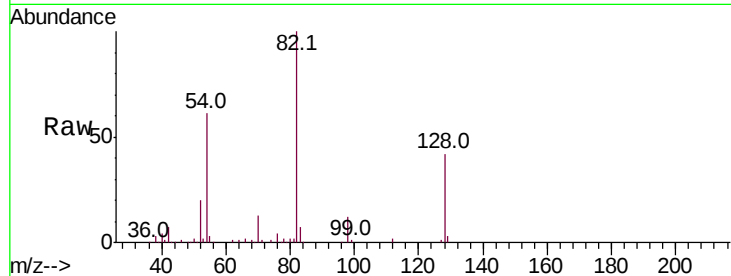
Tot Ion: 82 Resp: 130212

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

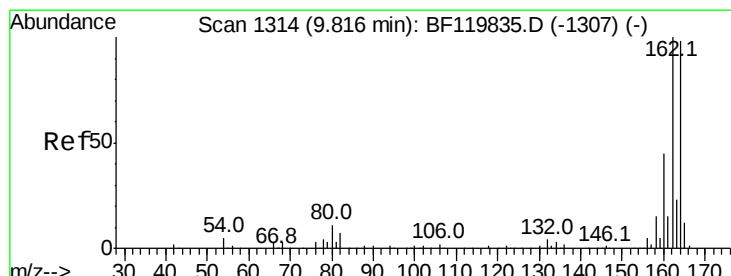
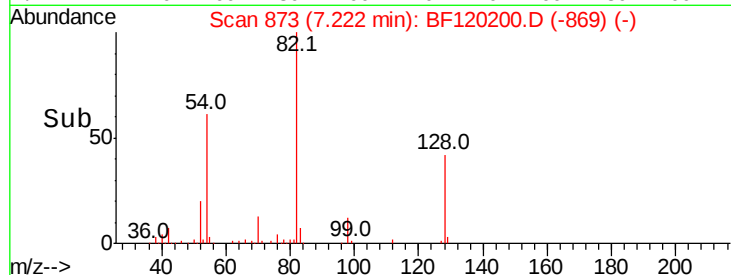
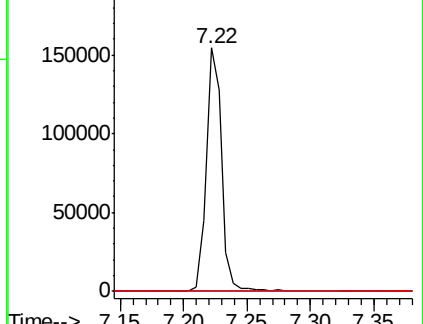
138 0.0 14.6 21.8#



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: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

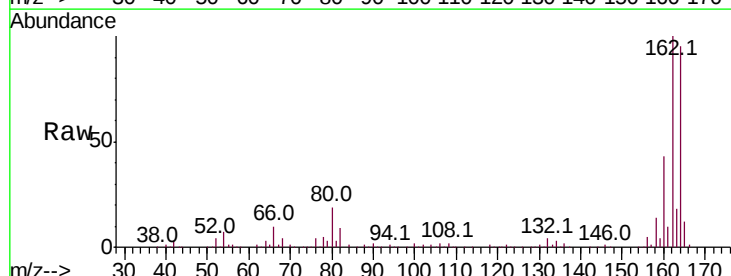
Tgt Ion:164 Resp: 244336

Ion Ratio Lower Upper

164 100

162 105.1 80.6 121.0

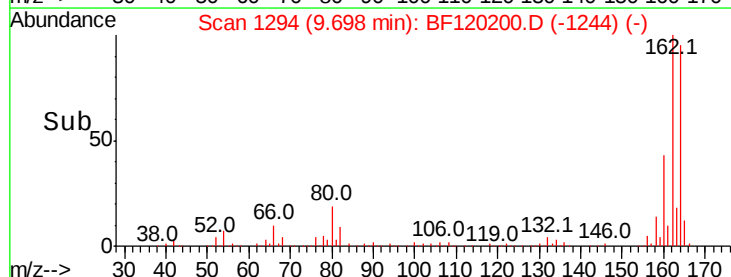
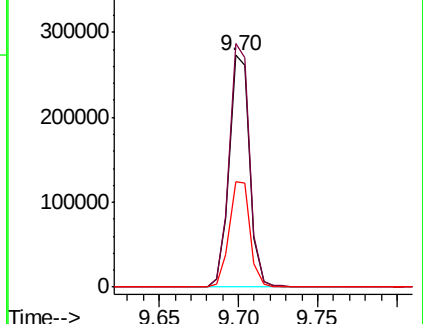
160 45.3 35.7 53.5

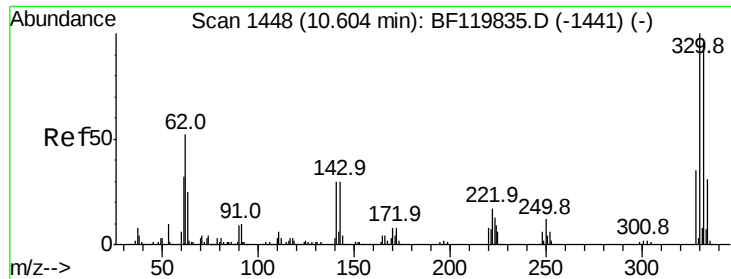


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

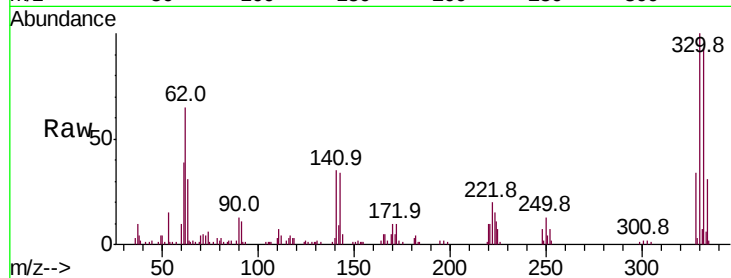




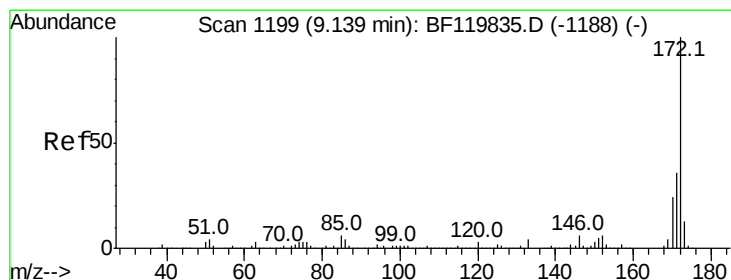
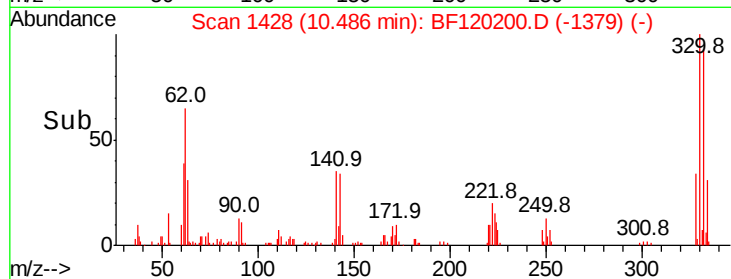
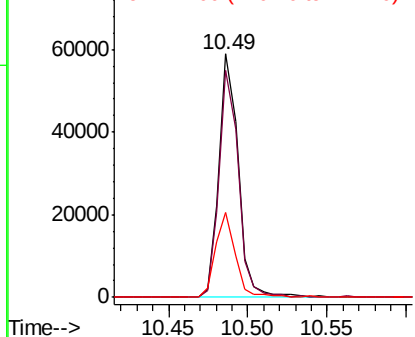
#42
 2,4,6-Tribromophenol
 Concen: 16.720 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF120200.D
 Acq: 24 Apr 2020 14:18

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-042220

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	75.7	113.5
141	35.6	25.4	38.0

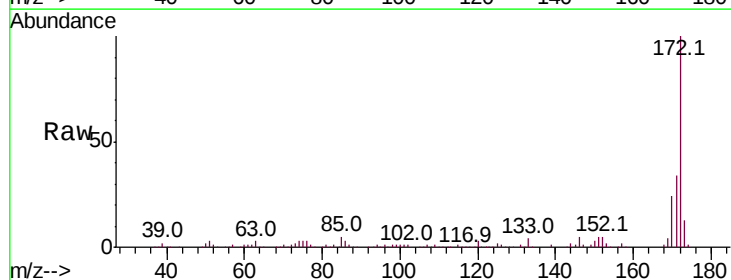


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

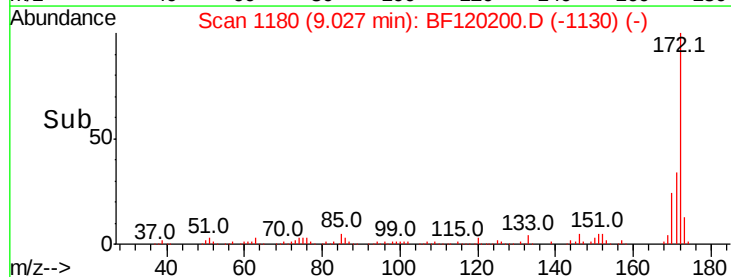
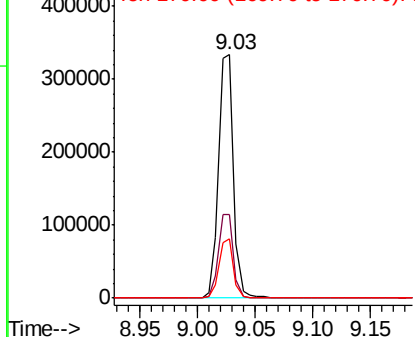


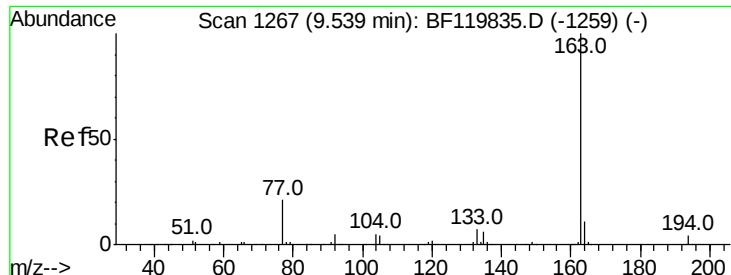
#45
 2-Fluorobiphenyl
 Concen: 17.451 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120200.D
 Acq: 24 Apr 2020 14:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	24.5	20.2	30.2



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

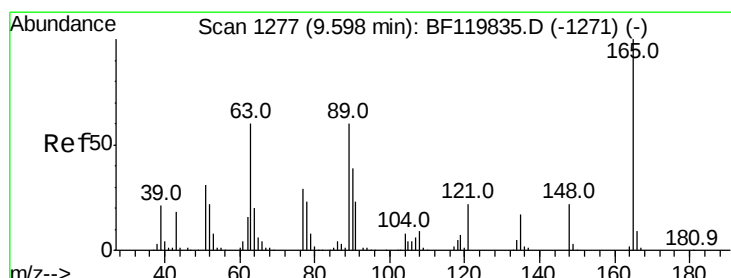
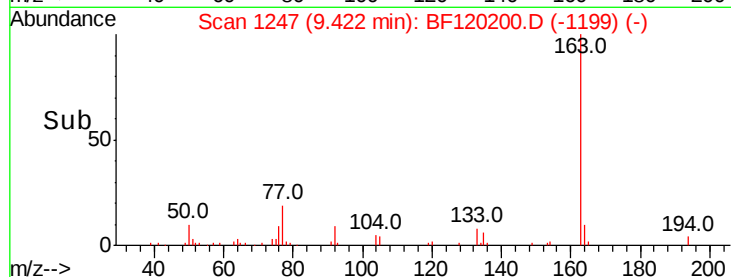
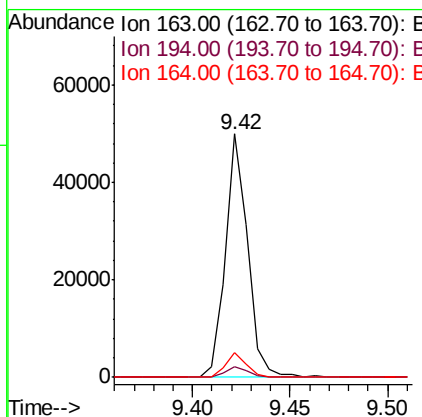
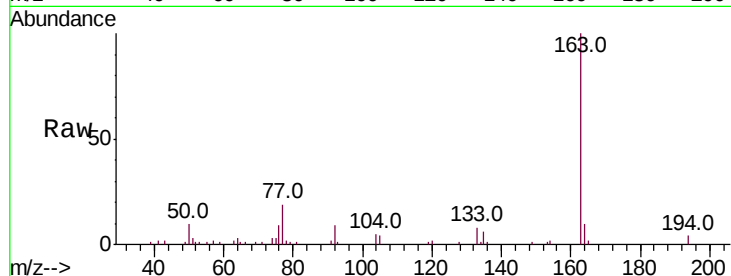




#50
Dimethylphthalate
Concen: 2.085 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

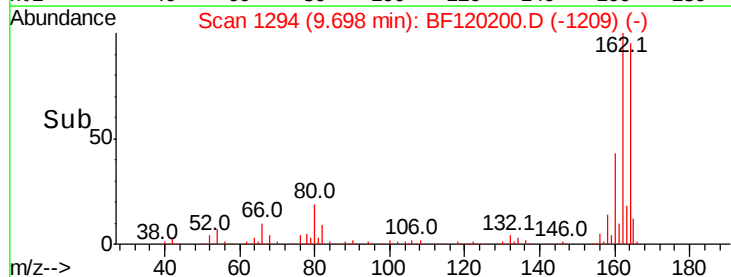
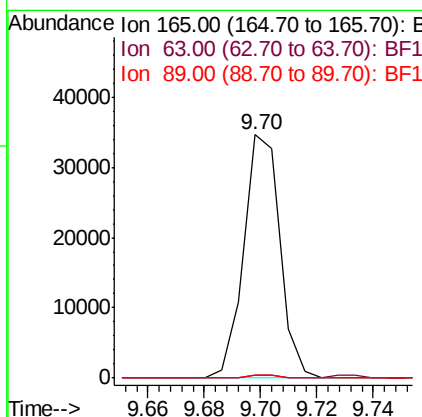
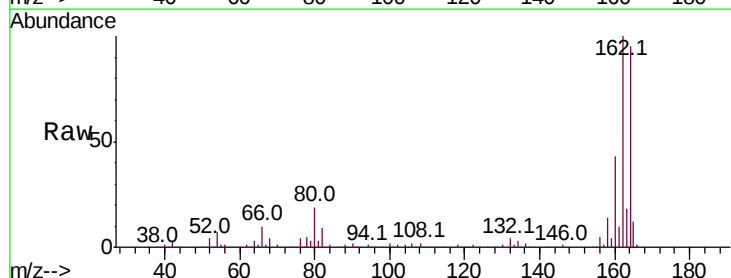
Instrument :
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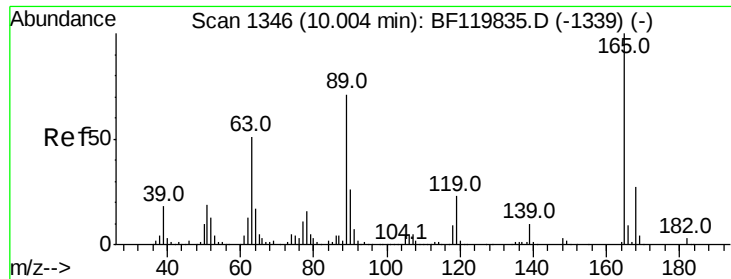
Tot Ion:163 Resp: 39400
Ion Ratio Lower Upper
163 100
194 4.4 3.1 4.7
164 10.0 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 7.431 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.20 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Tgt Ion:165 Resp: 30755
Ion Ratio Lower Upper
165 100
63 1.2 45.0 67.4#
89 1.3 41.5 62.3#

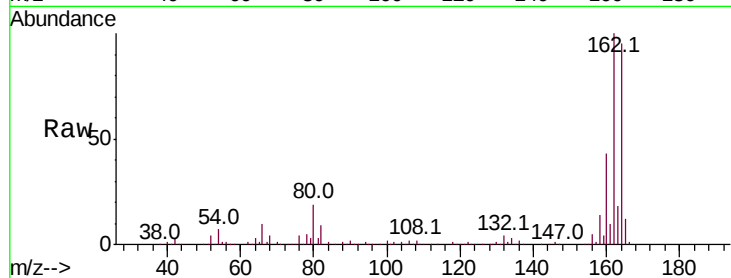




#57
 2,4-Dinitrotoluene
 Concen: 5.640 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF120200.D
 Acq: 24 Apr 2020 14:18

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-042220

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.6	64.0#
89	1.3	61.0	91.4#
182	0.0	2.2	3.2#



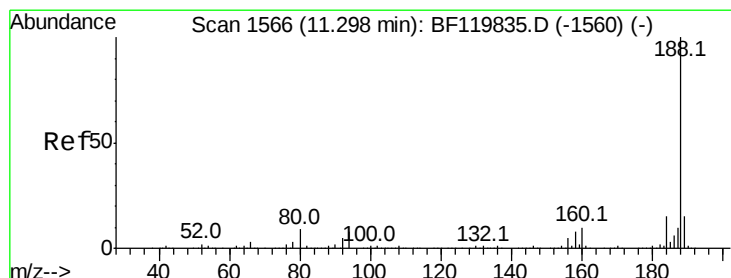
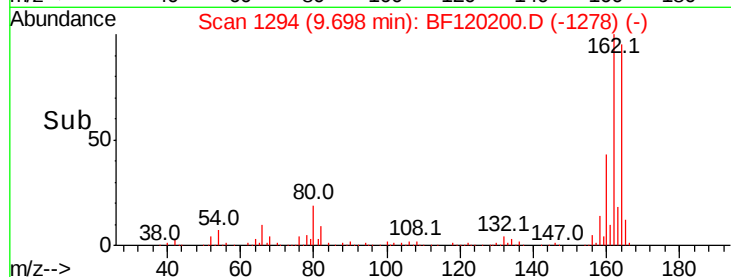
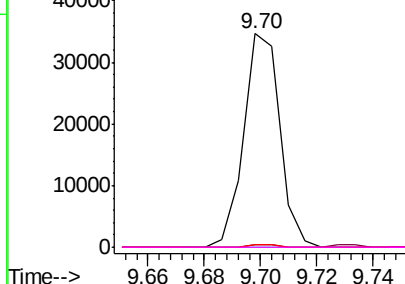
Abundance

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: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF120200.D
 Acq: 24 Apr 2020 14:18

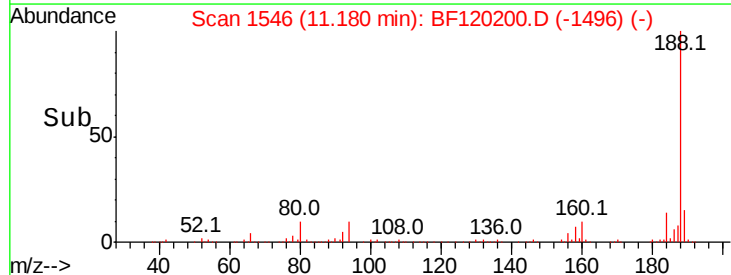
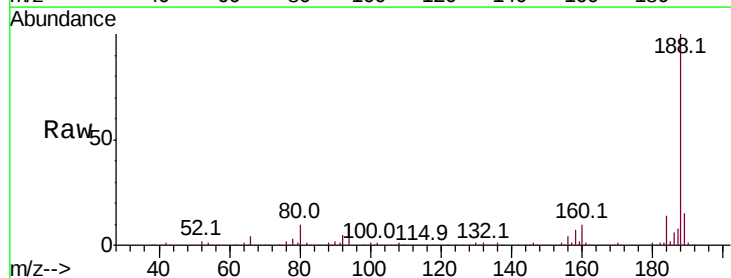
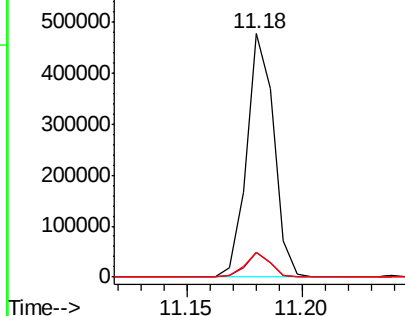
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.5	11.3
80	9.9	9.0	13.4

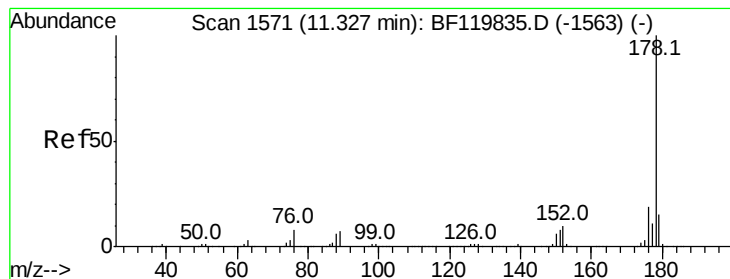
Abundance

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: 3.015 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Instrument :

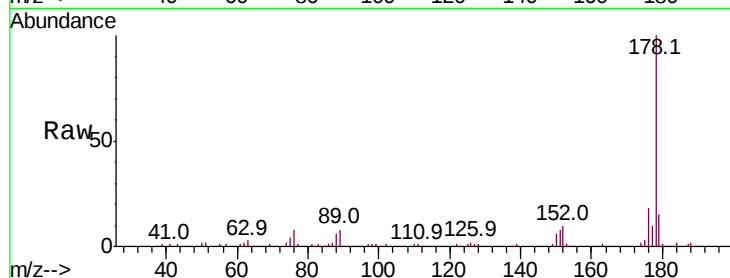
BNA_F

ClientSampleId :

OK-01-042220

Tot Ion:178 Resp: 63127

Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.2	24.4
179	15.3	13.2	19.8

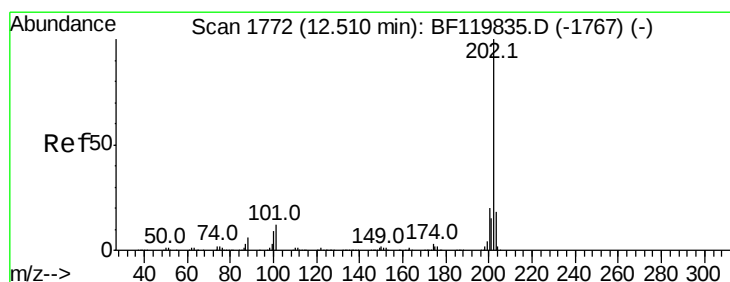
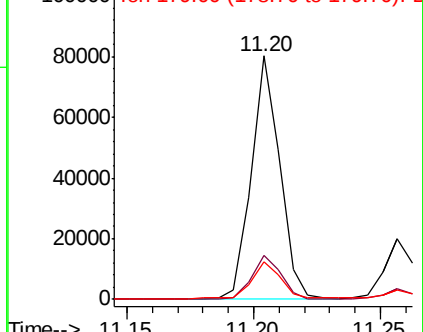
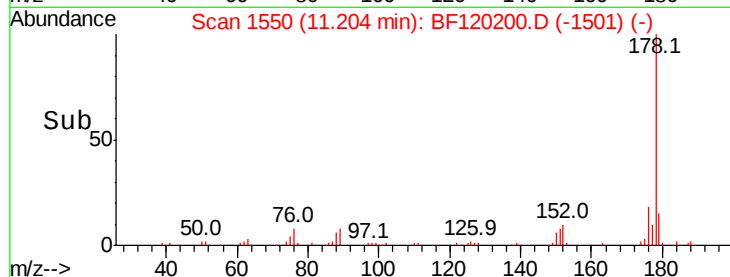


Abundance

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: 3.471 ng

RT: 12.39 min Scan# 1752

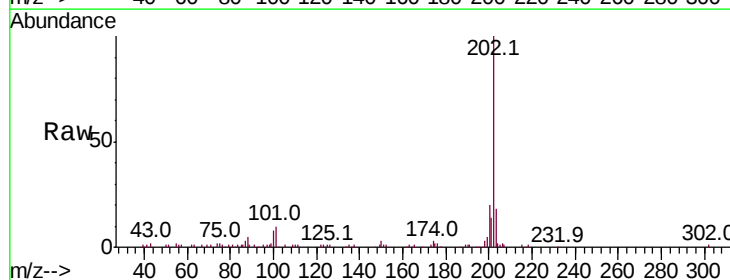
Delta R.T. -0.01 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Tgt Ion:202 Resp: 78395

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	32.2
203	18.3	0.0	38.8

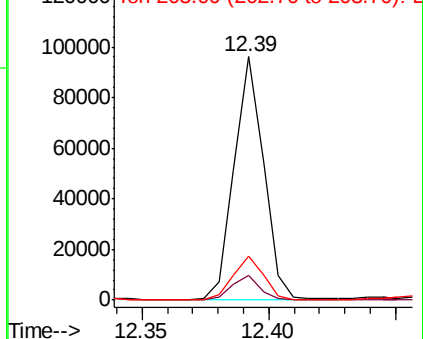
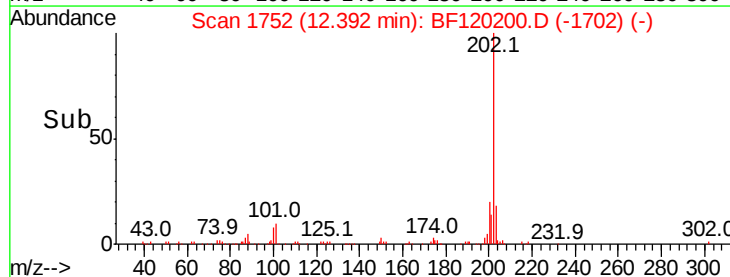


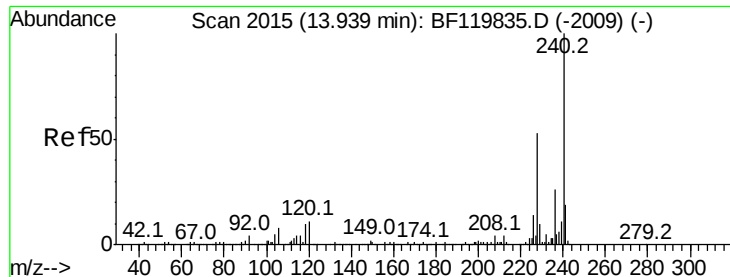
Abundance

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

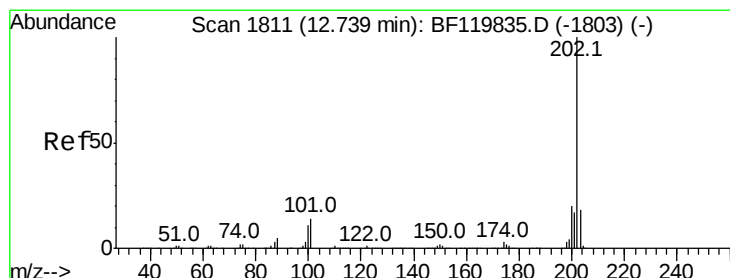
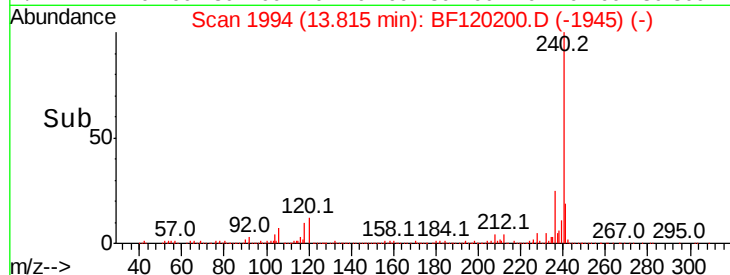
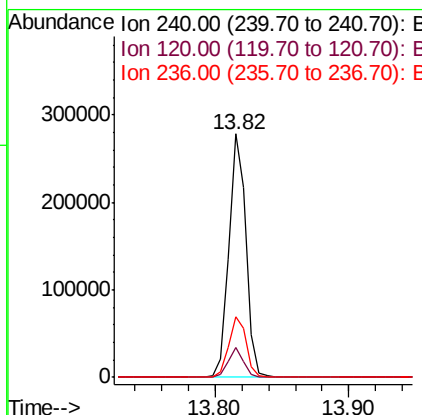
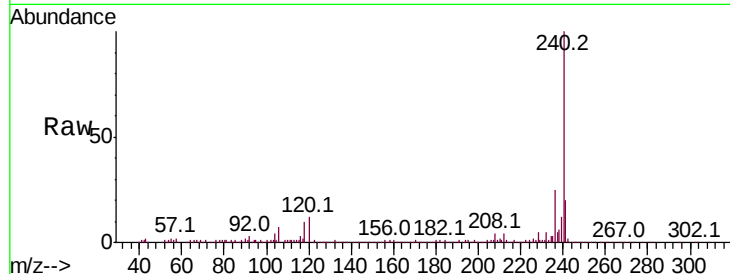




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

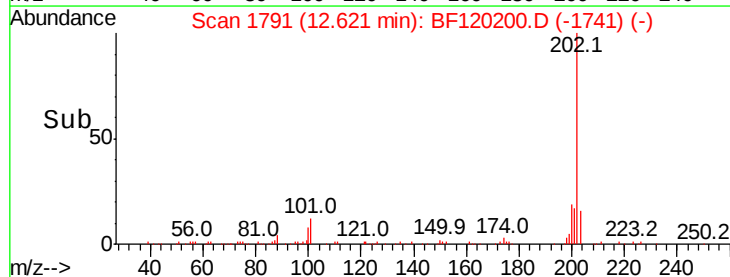
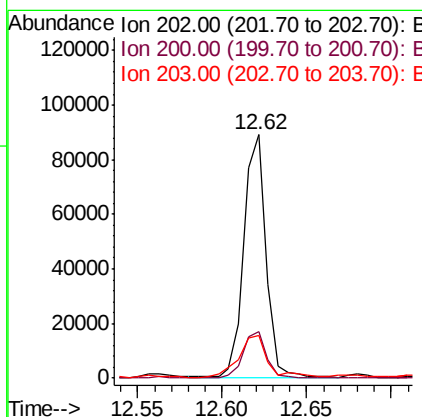
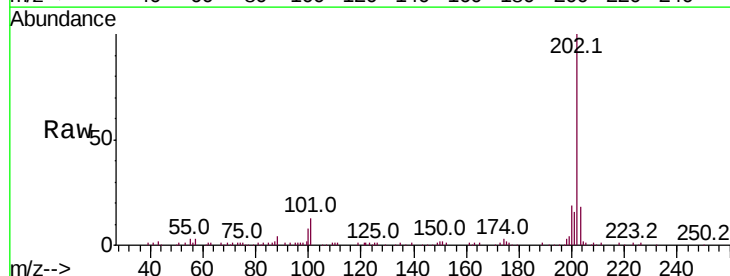
Instrument :
BNA_F
ClientSampleId :
OK-01-042220

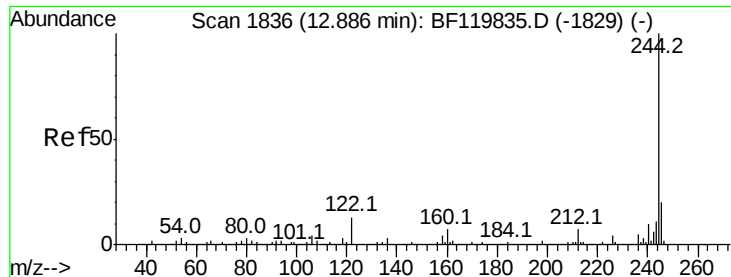
Tot Ion:240 Resp: 251544
Ion Ratio Lower Upper
240 100
120 12.1 10.6 15.8
236 25.1 20.2 30.2



#78
Pyrene
Concen: 3.927 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Tgt Ion:202 Resp: 83267
Ion Ratio Lower Upper
202 100
200 19.0 16.8 25.2
203 17.6 15.1 22.7





#79

Terphenyl-d14

Concen: 15.538 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Instrument :

BNA_F

ClientSampleId :

OK-01-042220

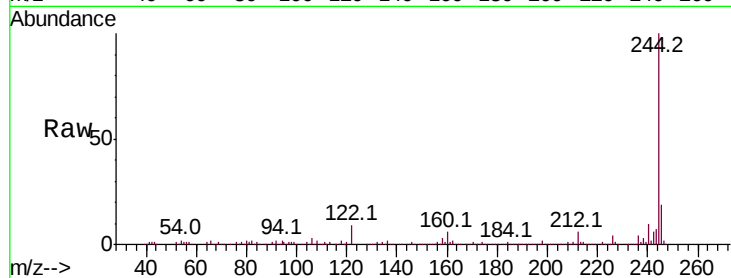
Tot Ion:244 Resp: 232283

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

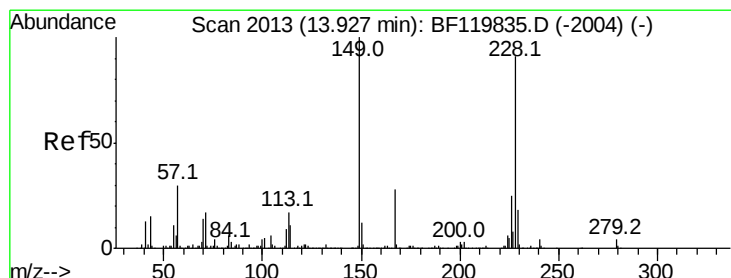
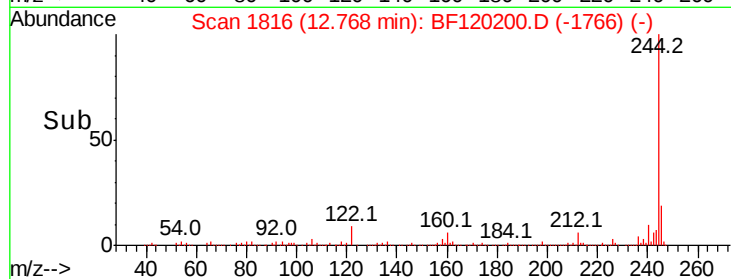
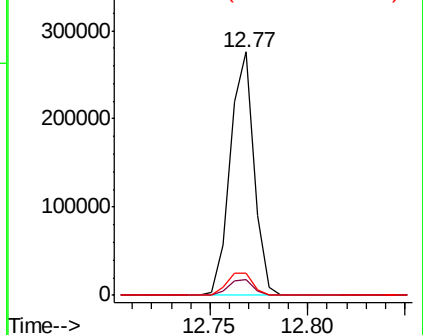
122 9.3 10.3 15.5#



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: 2.107 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

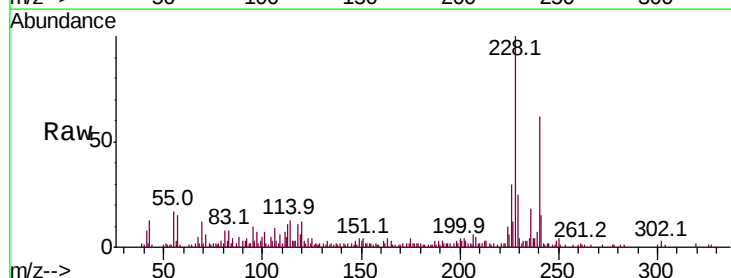
Tgt Ion:228 Resp: 34859

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.8

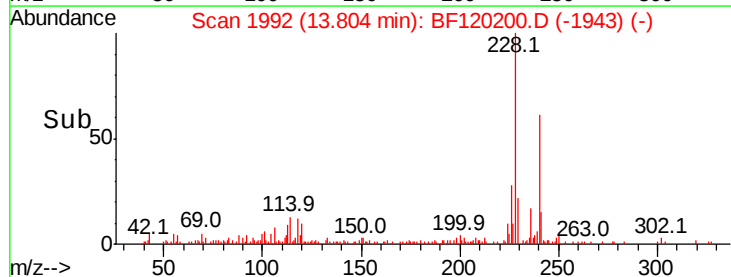
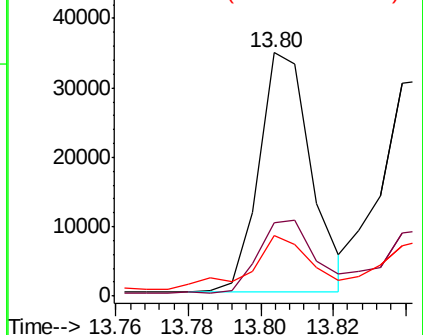
229 24.9 16.2 24.4#

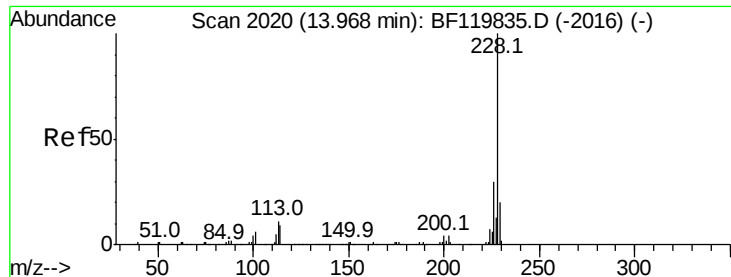


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

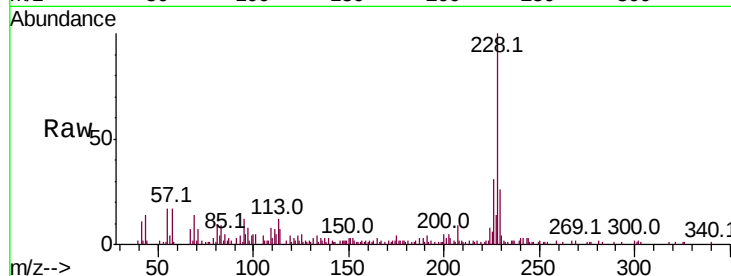




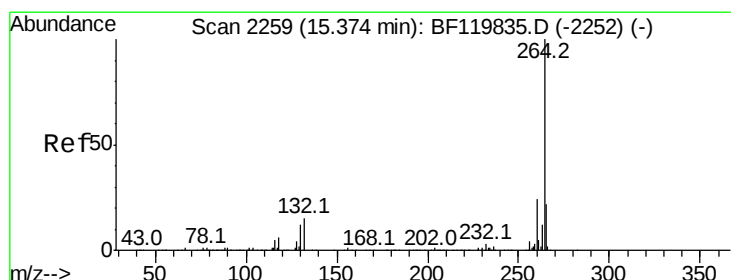
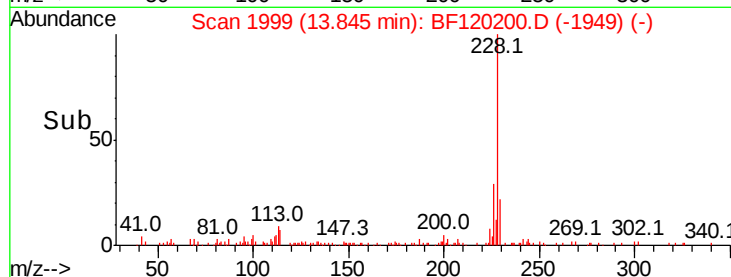
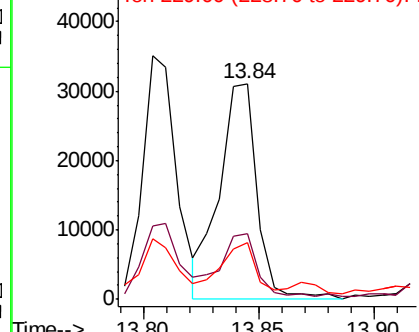
#83
Chrysene
Concen: 2.111 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Instrument :
BNA_F
ClientSampleId :
OK-01-042220

Tot Ion:228 Resp: 35493
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 26.0 16.6 24.8#

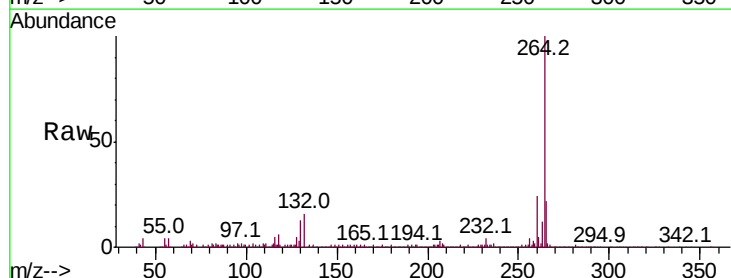


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

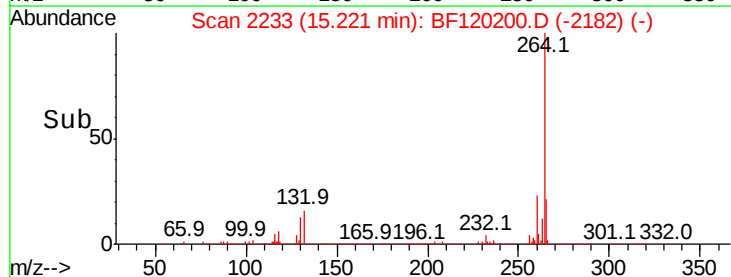
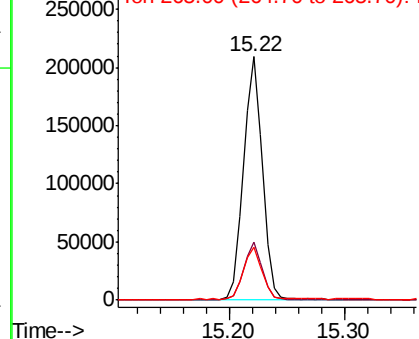


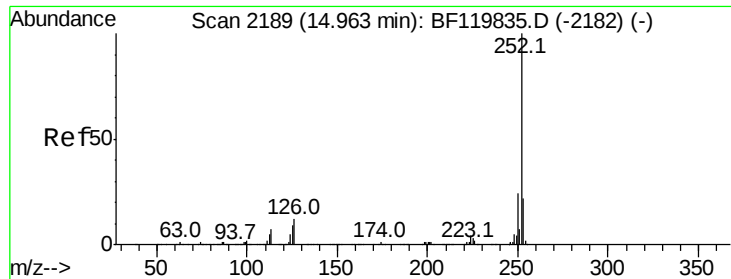
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF120200.D
Acq: 24 Apr 2020 14:18

Tgt Ion:264 Resp: 238176
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.6 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: 2.806 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.01 min

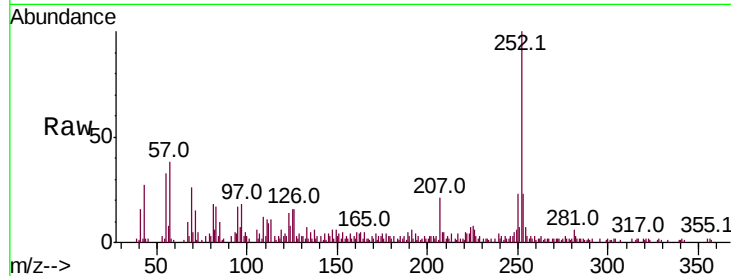
Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Instrument :
BNA_F
ClientSampleId :
OK-01-042220

Tot Ion:252 Resp: 48086

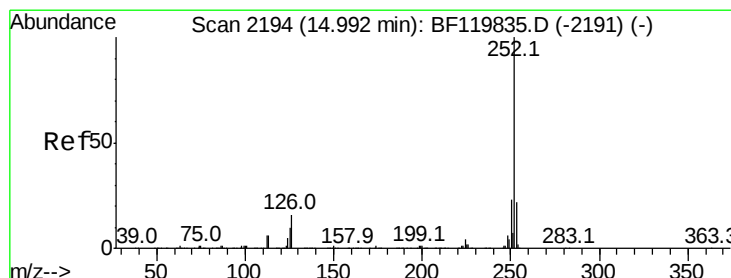
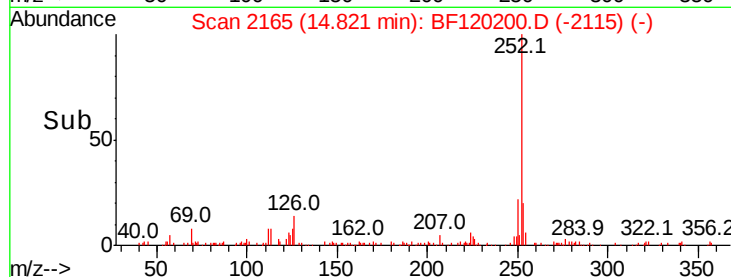
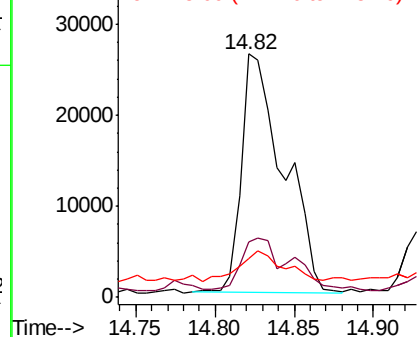
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	16.2	7.9	11.9#



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: 3.253 ng

RT: 14.82 min Scan# 2165

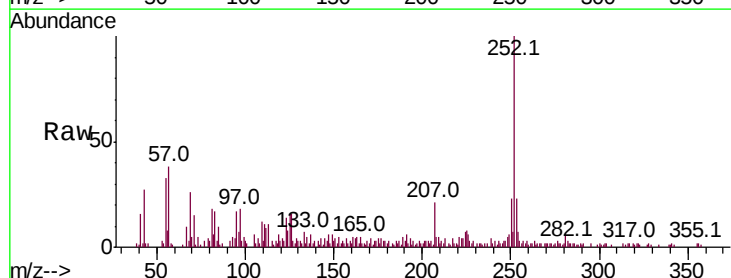
Delta R.T. -0.04 min

Lab File: BF120200.D

Acq: 24 Apr 2020 14:18

Tgt Ion:252 Resp: 48086

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	16.2	8.4	12.6#



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

