

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120298.D
 Acq On : 14 May 2020 18:42
 Operator : MA/SJ
 Sample : L2605-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 15 02:34:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	369107	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1529334	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	742723	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1313060	20.00	ng	0.00
76) Chrysene-d12	13.78	240	886459	20.00	ng	0.00
87) Perylene-d12	15.17	264	734685	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	1631651	86.01	ng	0.00
7) Phenol-d6	6.27	99	2177133	90.75	ng	0.00
23) Nitrobenzene-d5	7.19	82	1356759	60.74	ng	0.00
42) 2,4,6-Tribromophenol	10.45	330	531655	87.79	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	2510602	69.45	ng	0.00
79) Terphenyl-d14	12.73	244	2261008	56.35	ng	0.00

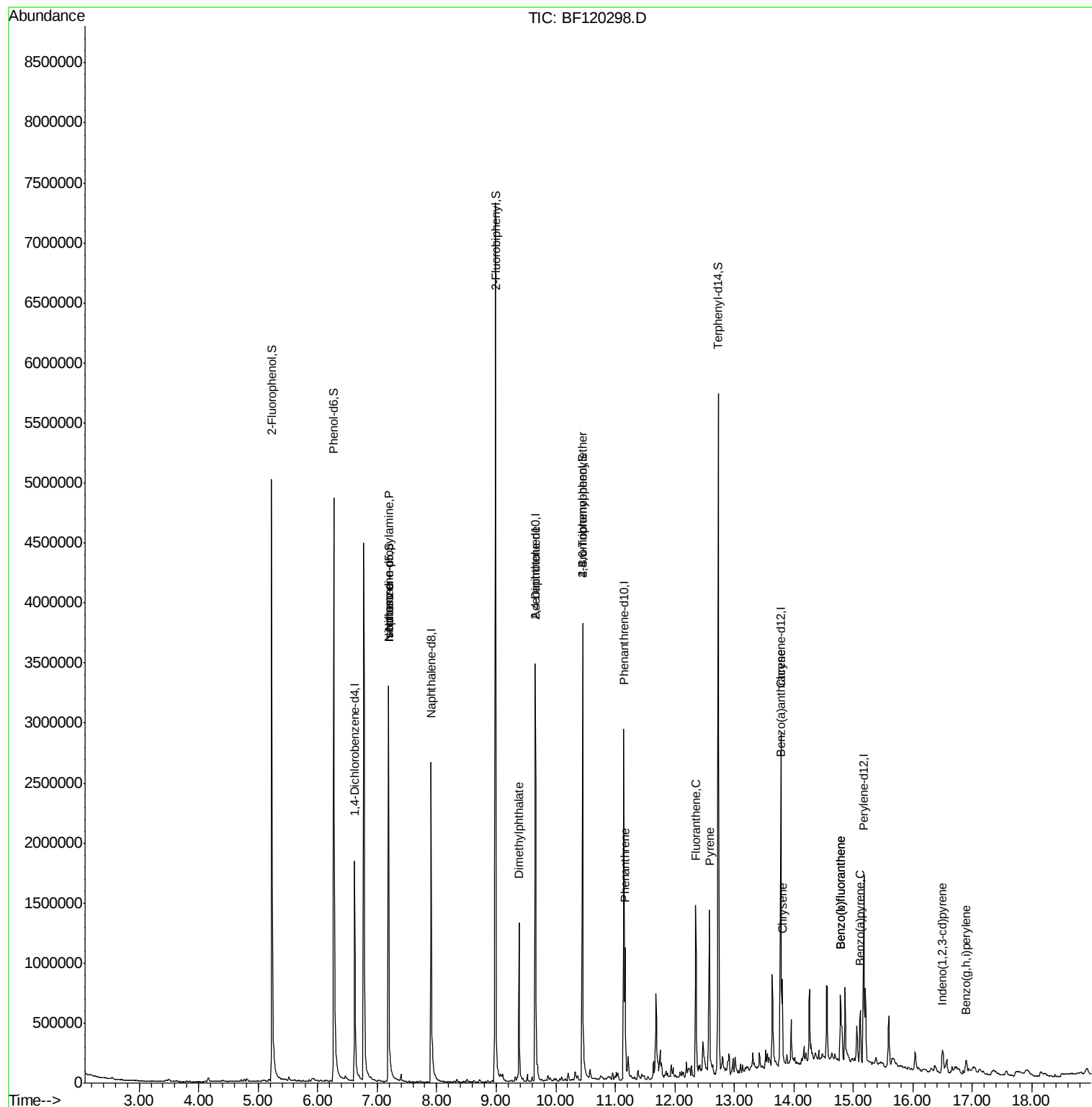
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	167541	10.660	ng	# 80
25) Isophorone	7.19	82	1356613	29.189	ng	# 65
50) Dimethylphthalate	9.38	163	578044	12.312	ng	99
57) 2,4-Dinitrotoluene	9.66	165	97676	7.946	ng	# 16
67) 4-Bromophenyl-phenylether	10.45	248	31466	2.470	ng	# 1
71) Phenanthrene	11.16	178	415927	7.538	ng	97
75) Fluoranthene	12.35	202	641006	10.839	ng	96
78) Pyrene	12.58	202	625836	9.903	ng	98
81) Benzo(a)anthracene	13.77	228	302055	6.460	ng	98
83) Chrysene	13.80	228	282529	5.627	ng	98
86) Indeno(1,2,3-cd)pyrene	16.50	276	116236	2.551	ng	# 91
88) Benzo(b)fluoranthene	14.79	252	416928	10.391	ng	99
89) Benzo(k)fluoranthene	14.79	252	416928	11.994	ng	99
90) Benzo(a)pyrene	15.12	252	203836	5.665	ng	97
92) Benzo(a,h,i)perylene	16.90	276	107985	3.359	ng	95

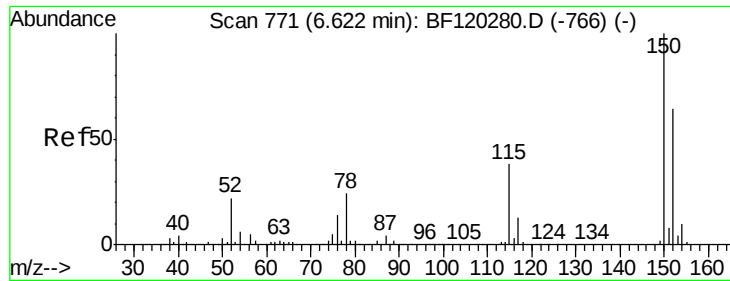
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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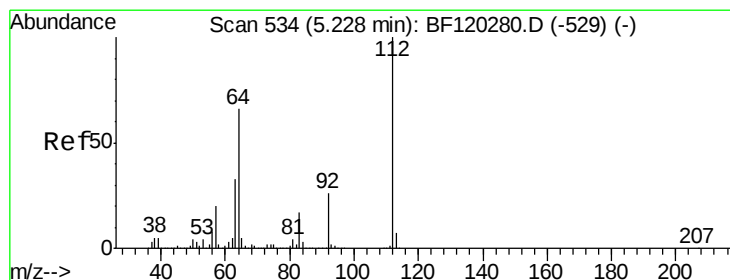
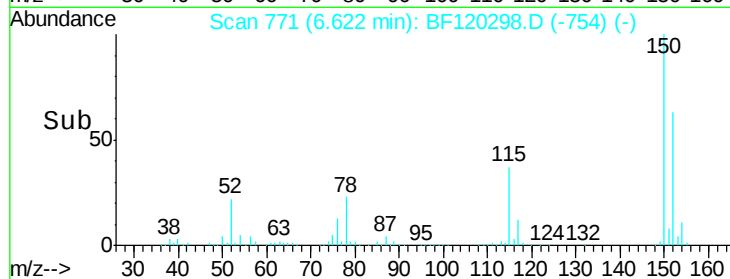
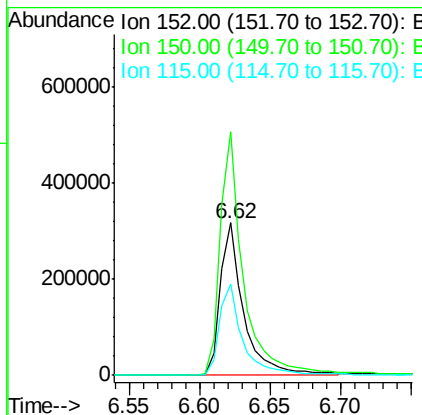
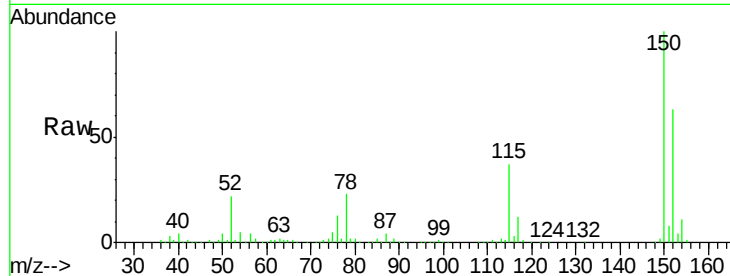


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :

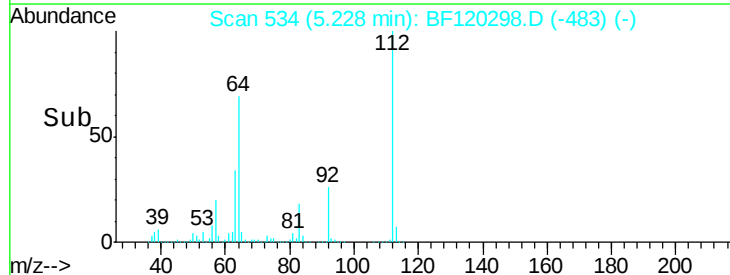
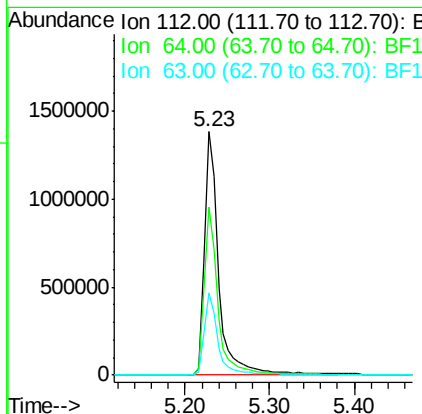
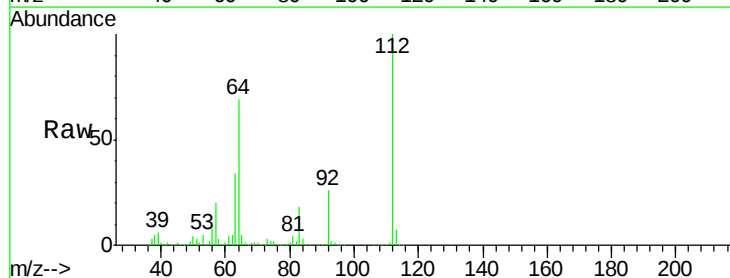
Tot Ion:152 Resp: 369107
Ion Ratio Lower Upper
152 100
150 159.8 126.2 189.2
115 59.9 47.9 71.9

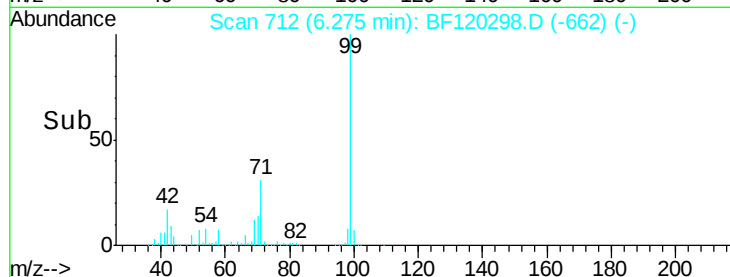
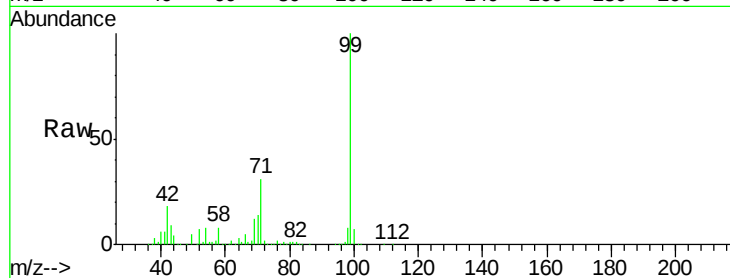
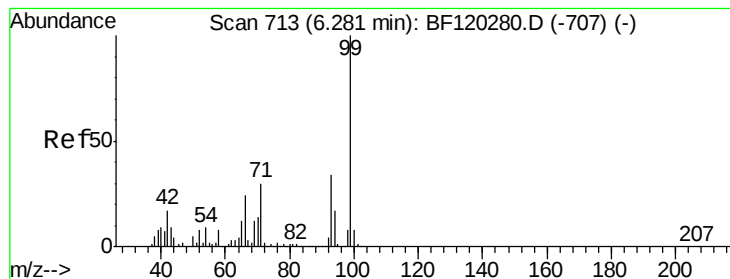


#5

2-Fluorophenol
Concen: 86.011 ng
RT: 5.23 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion:112 Resp: 1631651
Ion Ratio Lower Upper
112 100
64 69.2 52.7 79.1
63 33.9 26.2 39.4





#7

Phenol-d6

Concen: 90.753 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampleId :

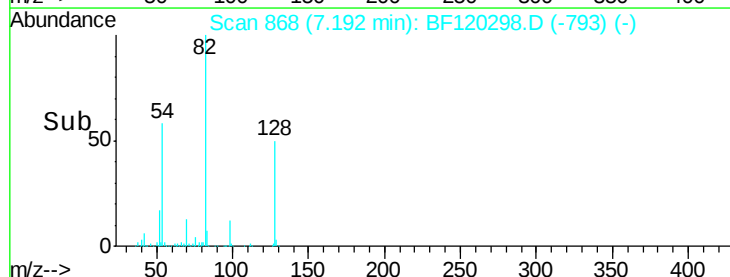
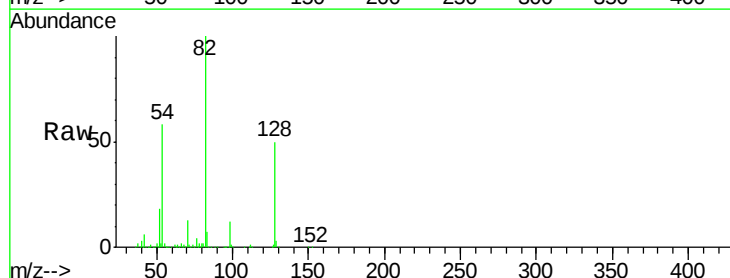
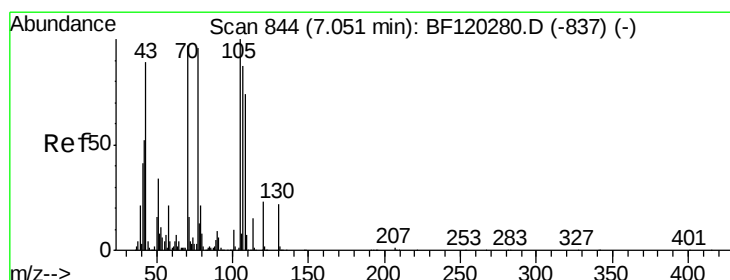
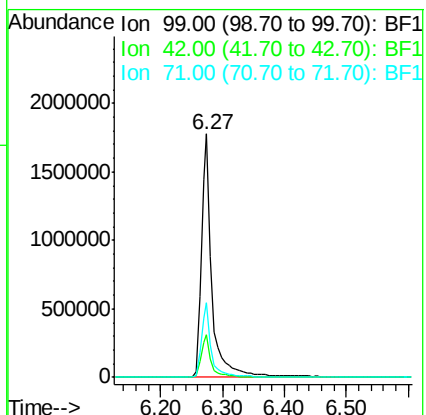
Tot Ion: 99 Resp: 2177133

Ion Ratio Lower Upper

99 100

42 17.5 13.6 20.4

71 30.8 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.660 ng

RT: 7.19 min Scan# 868

Delta R.T. 0.14 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Tgt Ion: 70 Resp: 167541

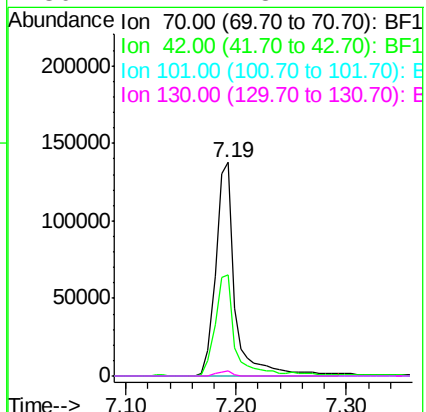
Ion Ratio Lower Upper

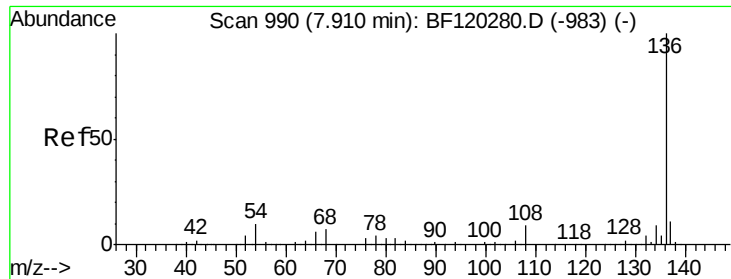
70 100

42 47.3 43.4 65.0

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

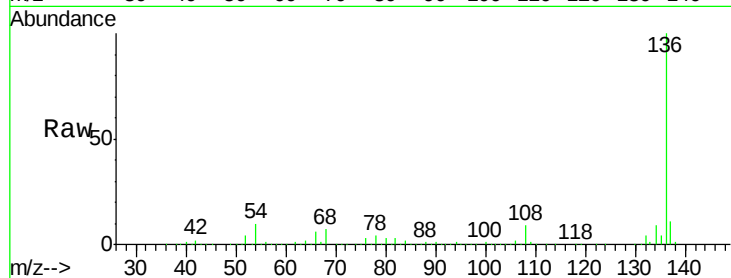




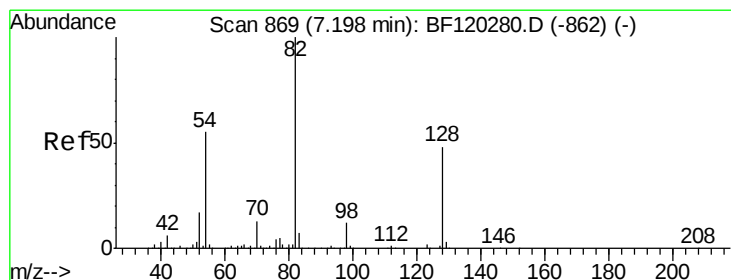
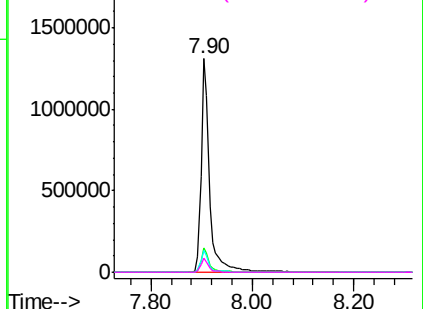
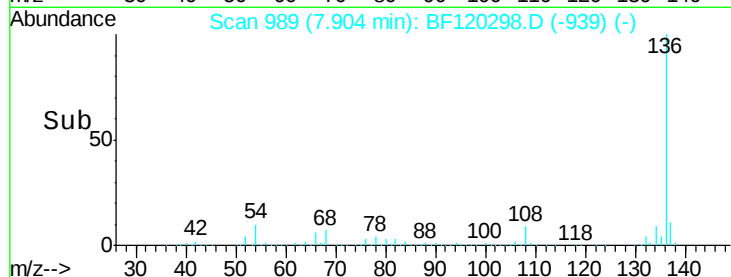
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1529334
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 10.4 7.9 11.9
68 6.6 5.4 8.2

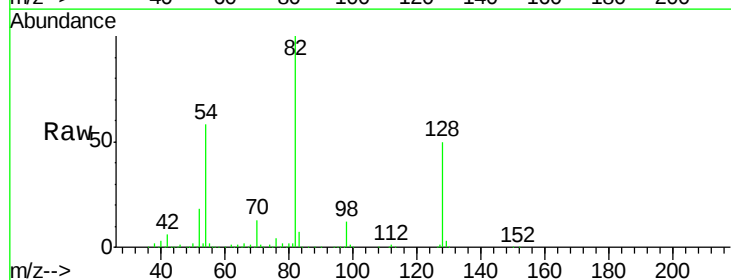


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

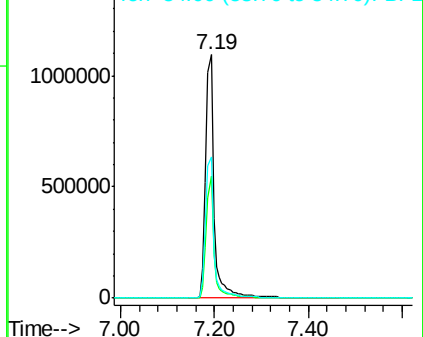
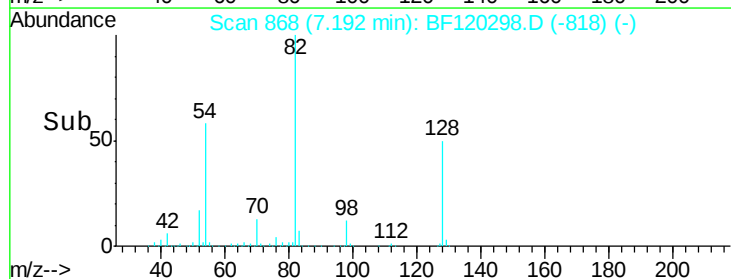


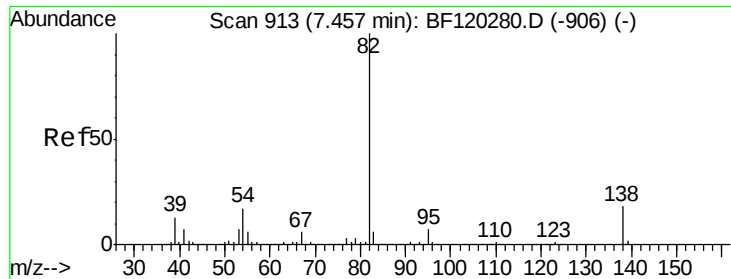
#23
Nitrobenzene-d5
Concen: 60.741 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion: 82 Resp: 1356759
Ion Ratio Lower Upper
82 100
128 50.1 38.3 57.5
54 57.8 43.9 65.9



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: 29.189 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.26 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampled :

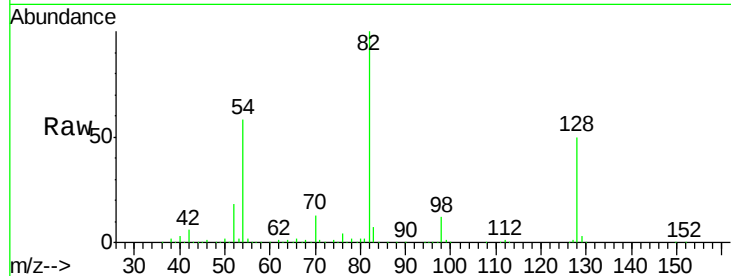
Tot Ion: 82 Resp: 1356613

Ion Ratio Lower Upper

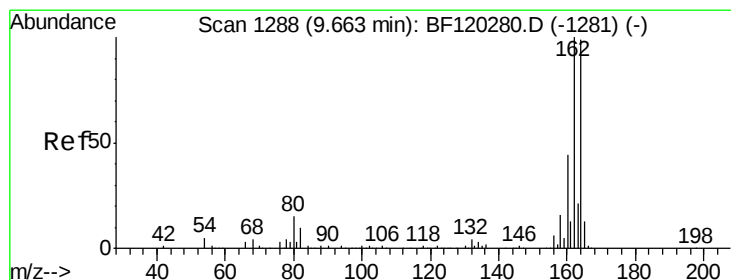
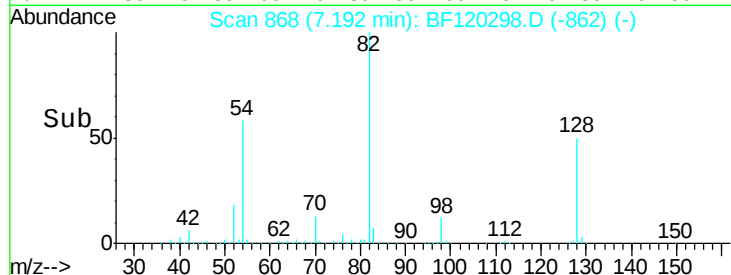
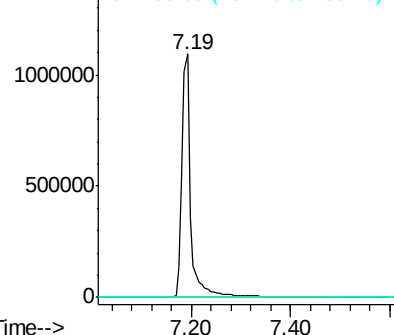
82 100

95 0.0 5.4 8.0#

138 0.0 14.7 22.1#



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: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

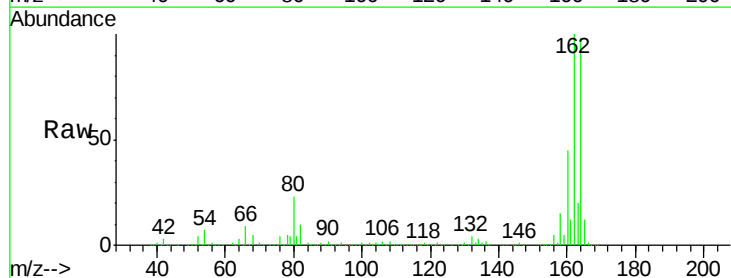
Tgt Ion:164 Resp: 742723

Ion Ratio Lower Upper

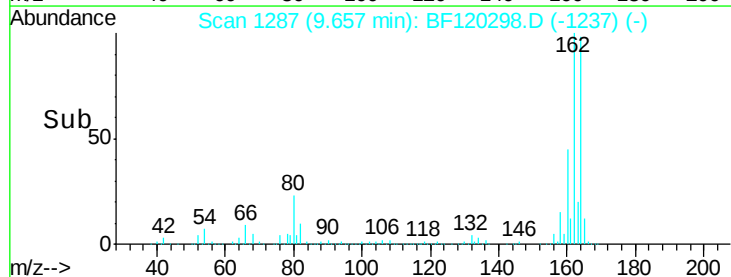
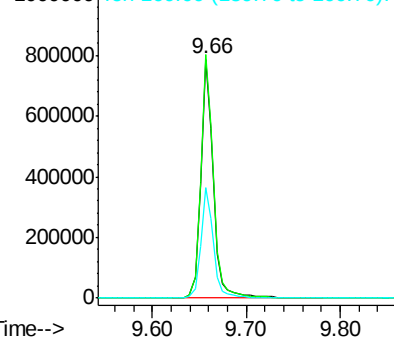
164 100

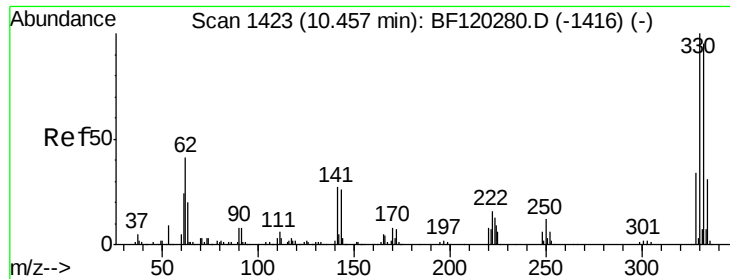
162 101.9 81.2 121.8

160 46.2 35.8 53.6



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

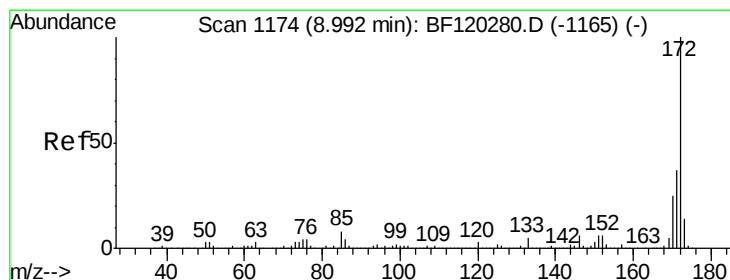
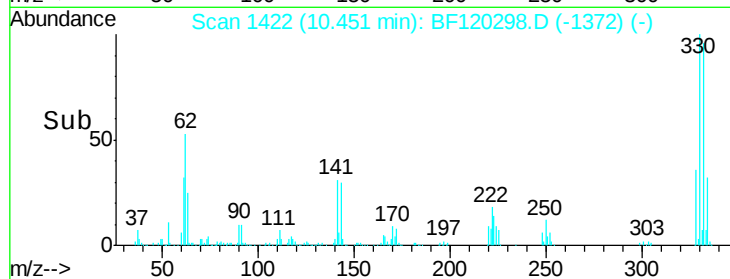
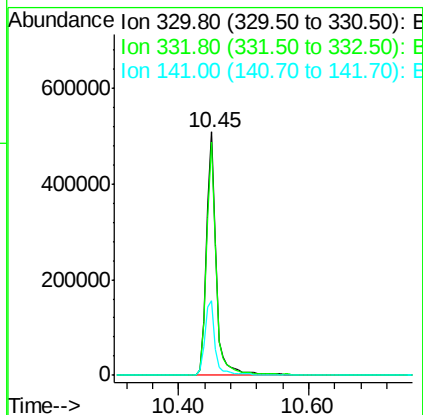
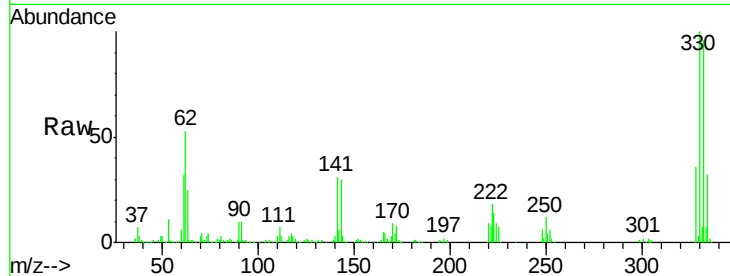




#42
 2,4,6-Tribromophenol
 Concen: 87.793 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF120298.D
 Acq: 14 May 2020 18:42

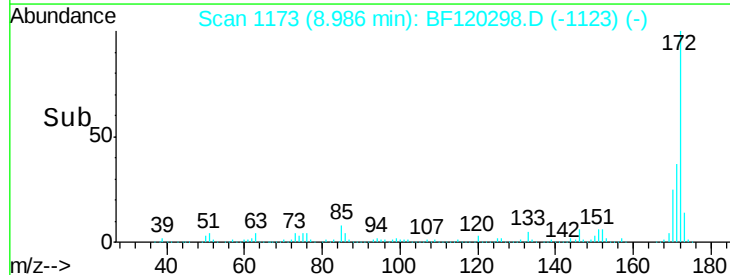
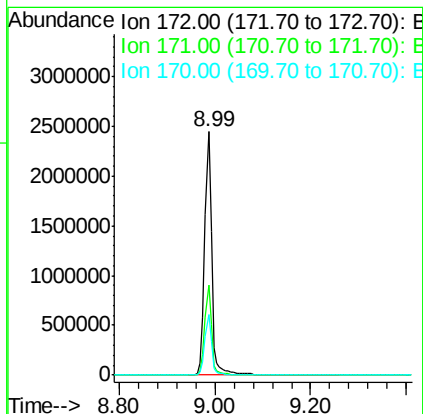
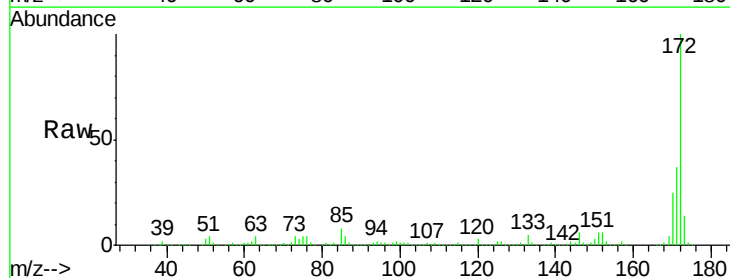
Instrument :
 BNA_F
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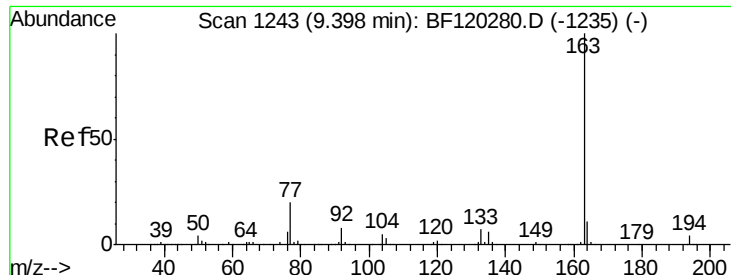
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.5	114.7
141	32.8	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 69.447 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF120298.D
 Acq: 14 May 2020 18:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.9	19.9	29.9





#50

Dimethylphthalate

Concen: 12.312 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampleId :

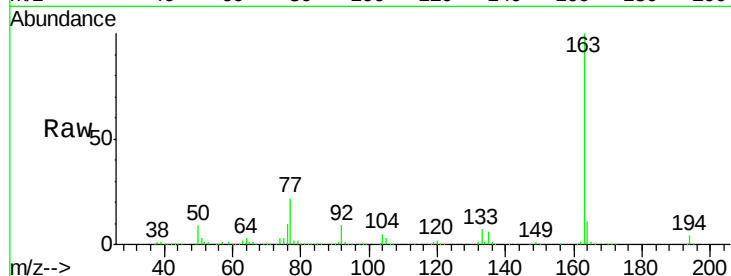
Tot Ion:163 Resp: 578044

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

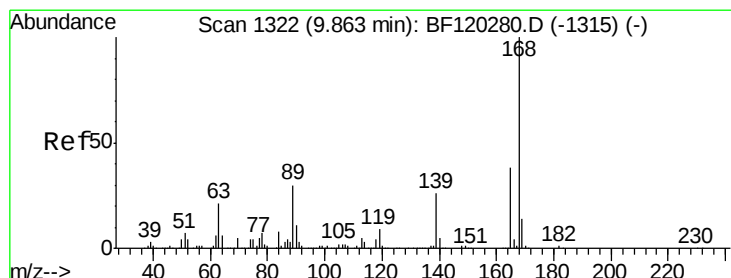
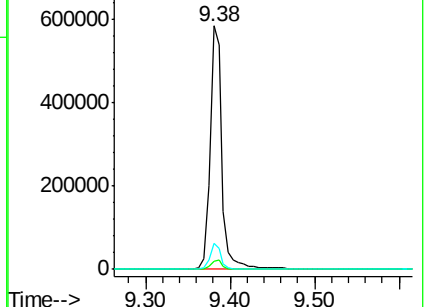
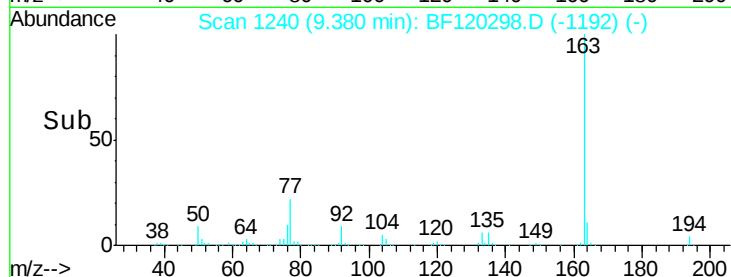
164 10.6 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 7.946 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.21 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Tgt Ion:165 Resp: 97676

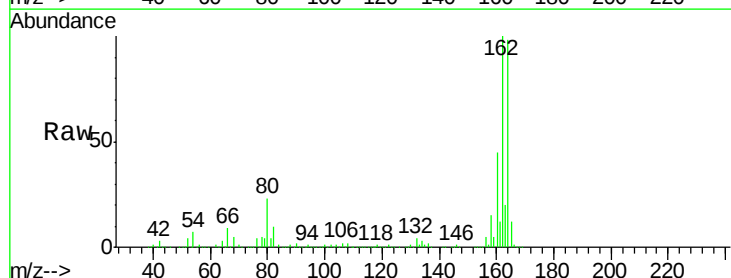
Ion Ratio Lower Upper

165 100

63 1.5 51.8 77.8#

89 1.2 64.2 96.4#

182 0.0 2.0 3.0#

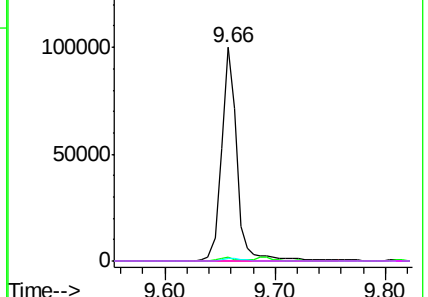
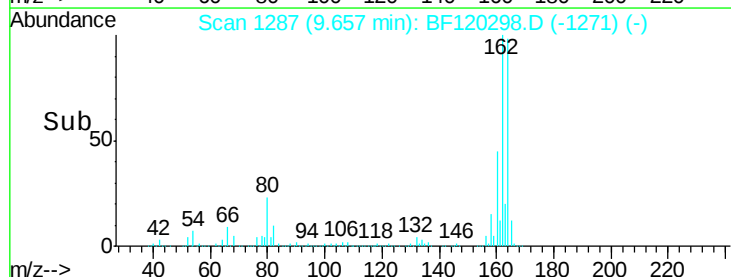


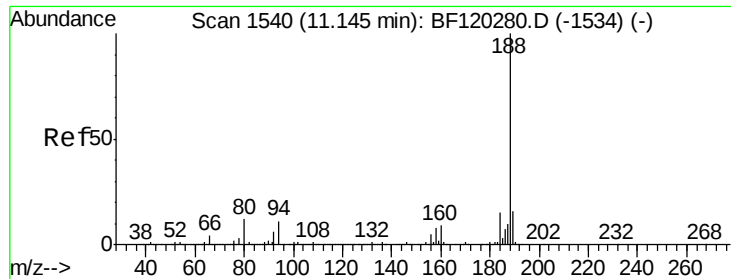
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

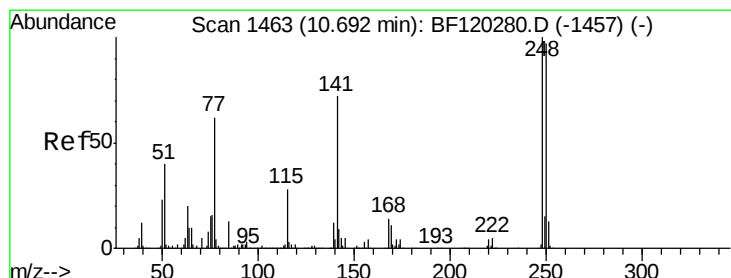
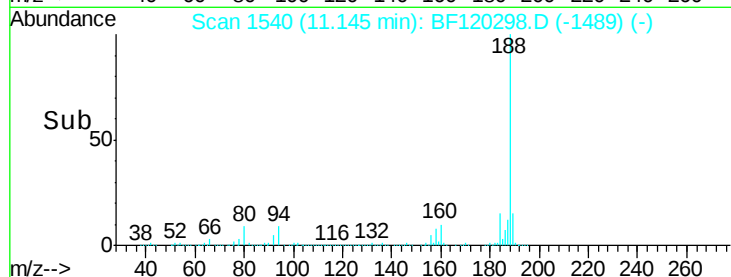
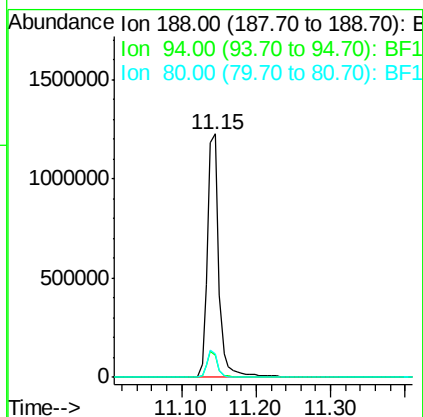
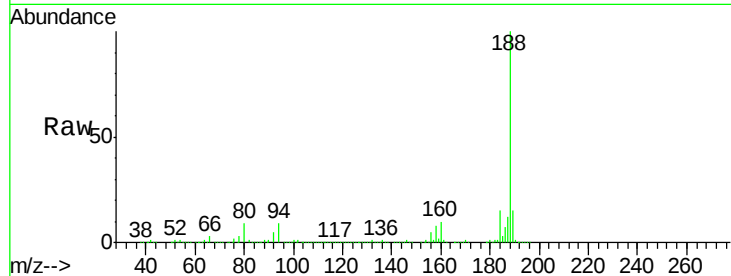




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

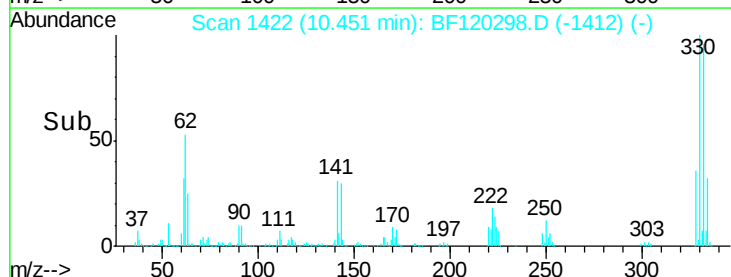
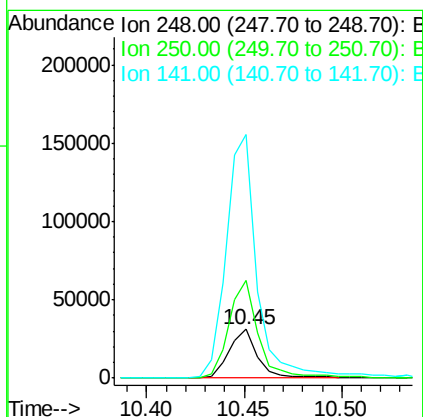
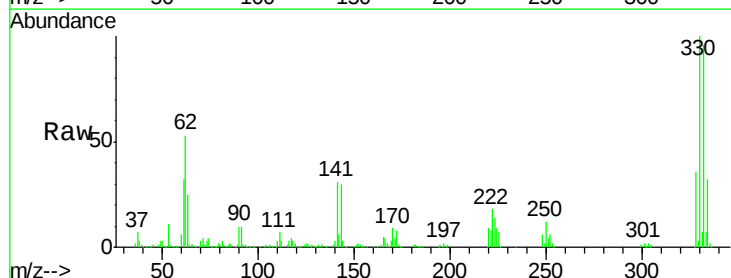
Instrument :
BNA_F
ClientSampleId :

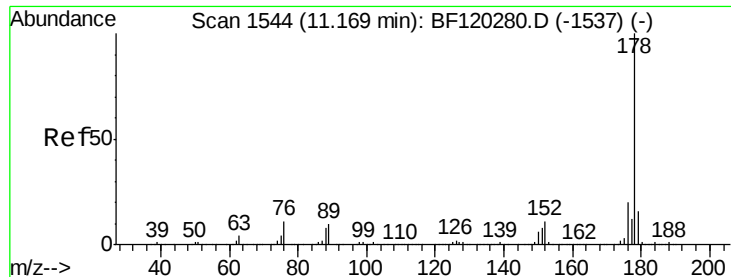
Tot Ion:188 Resp: 1313060
Ion Ratio Lower Upper
188 100
94 9.4 8.6 13.0
80 9.4 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 2.470 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.24 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion:248 Resp: 31466
Ion Ratio Lower Upper
248 100
250 202.3 77.8 116.6#
141 501.5 57.7 86.5#





#71

Phenanthrene

Concen: 7.538 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampleId :

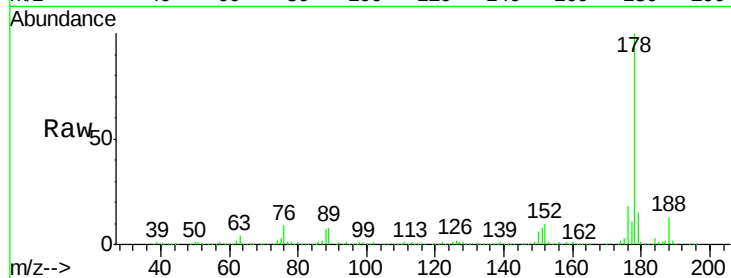
Tot Ion:178 Resp: 415927

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

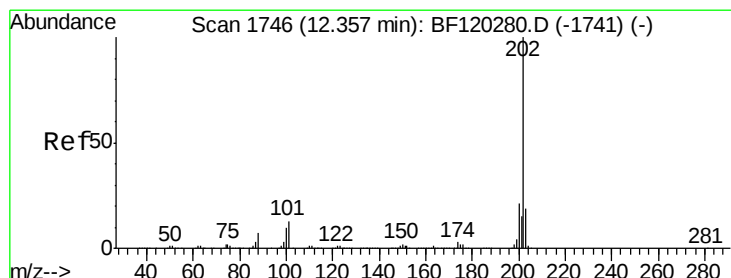
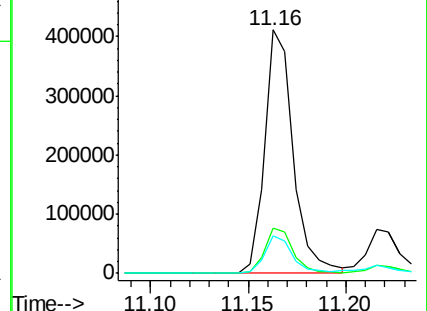
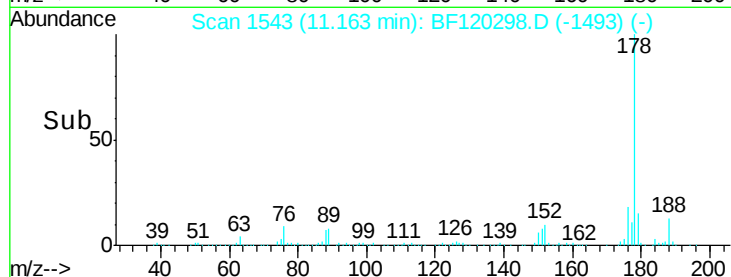
179 15.2 12.8 19.2



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: 10.839 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

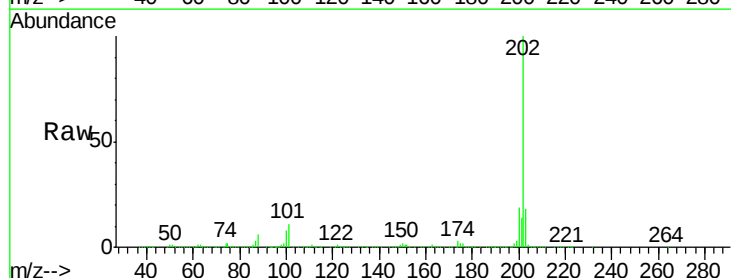
Tgt Ion:202 Resp: 641006

Ion Ratio Lower Upper

202 100

101 10.9 0.0 33.2

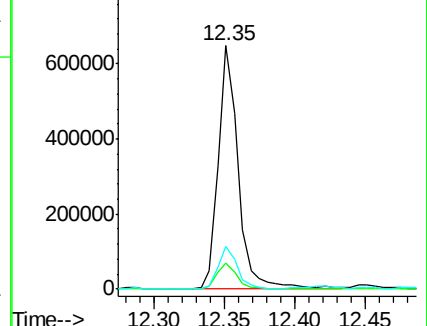
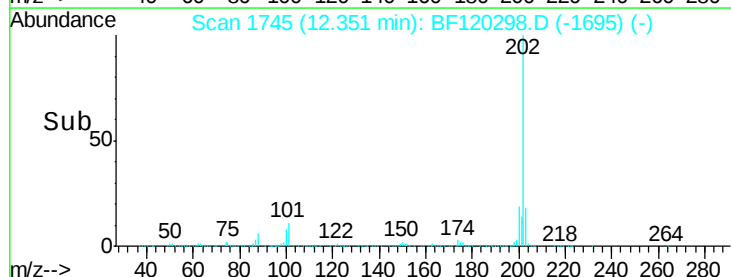
203 17.7 0.0 39.1

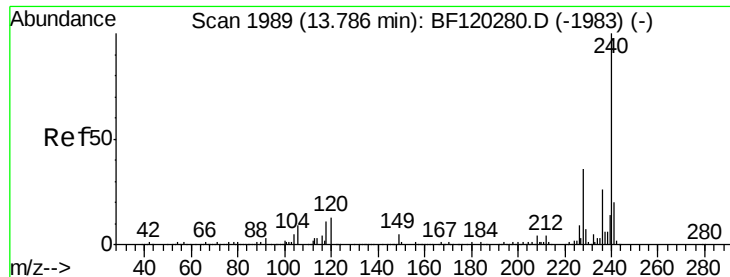


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

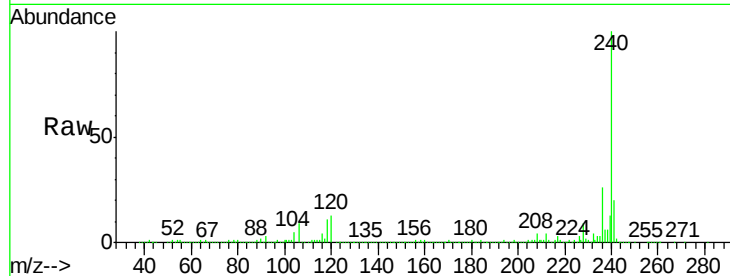




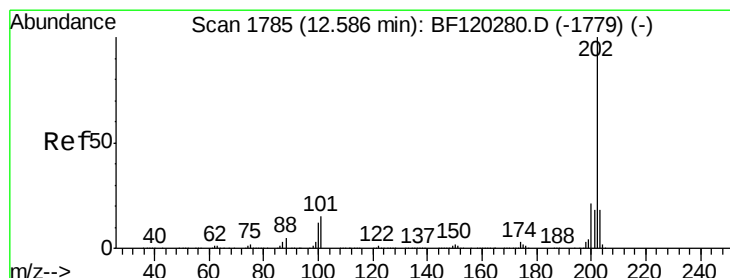
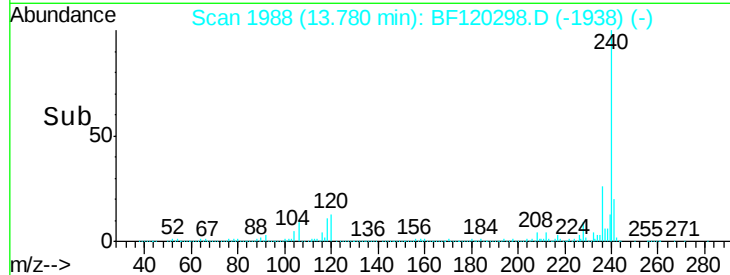
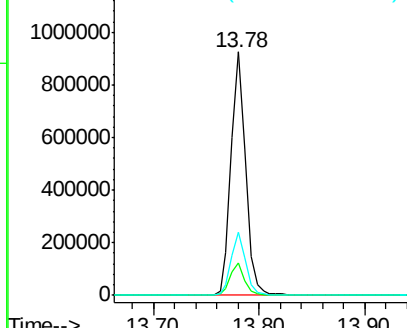
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 886459
Ion Ratio Lower Upper
240 100
120 13.2 10.4 15.6
236 25.8 21.0 31.6

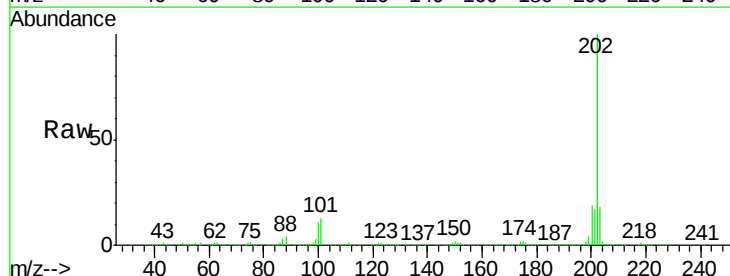


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

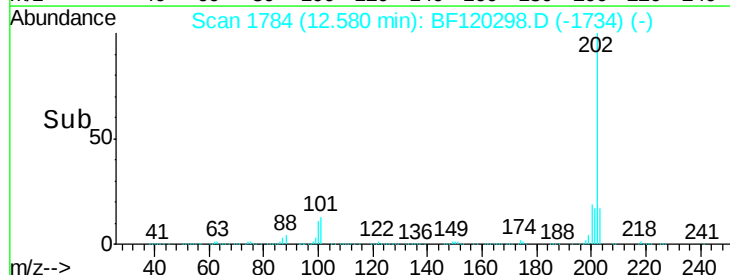
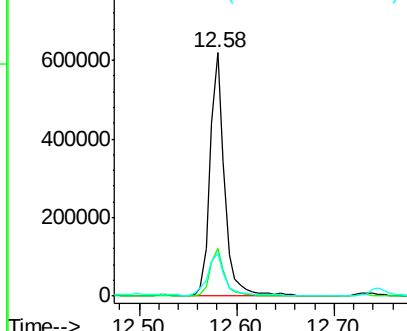


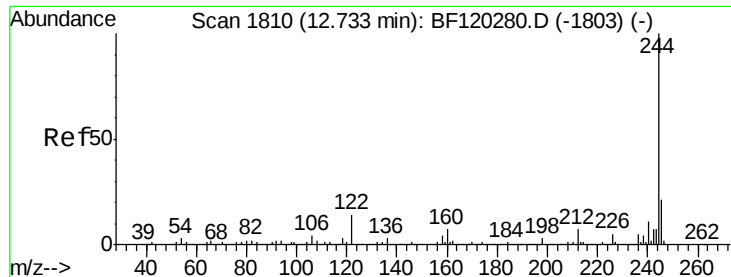
#78
Pyrene
Concen: 9.903 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion:202 Resp: 625836
Ion Ratio Lower Upper
202 100
200 19.5 16.6 25.0
203 17.7 14.6 22.0



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: 56.348 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampleId :

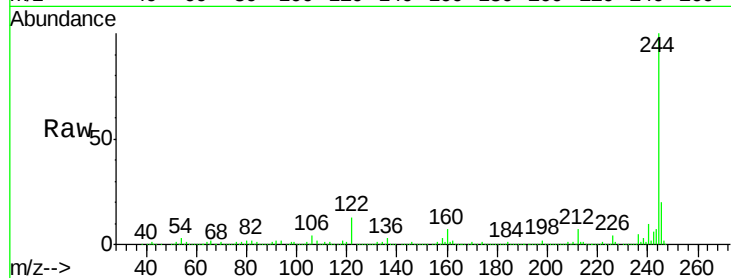
Tot Ion:244 Resp: 2261008

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

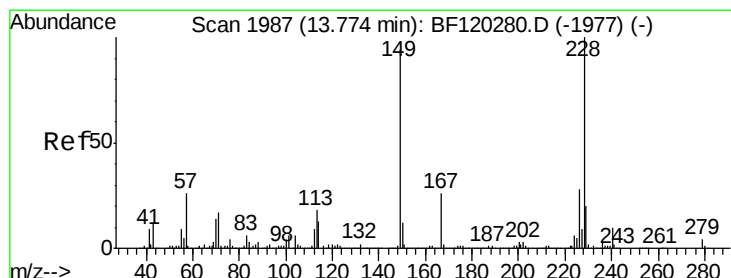
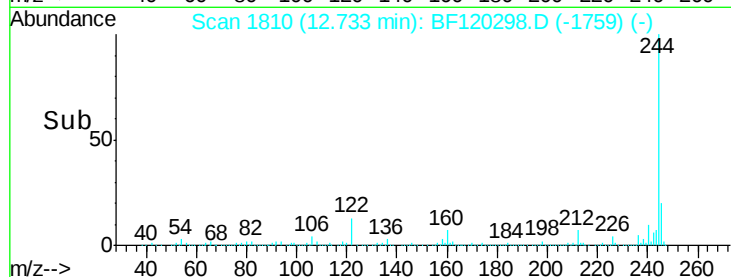
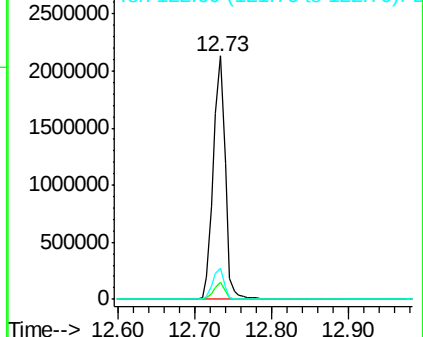
122 12.8 10.8 16.2



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: 6.460 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

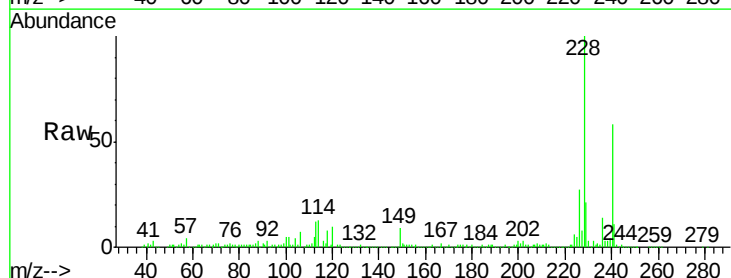
Tgt Ion:228 Resp: 302055

Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

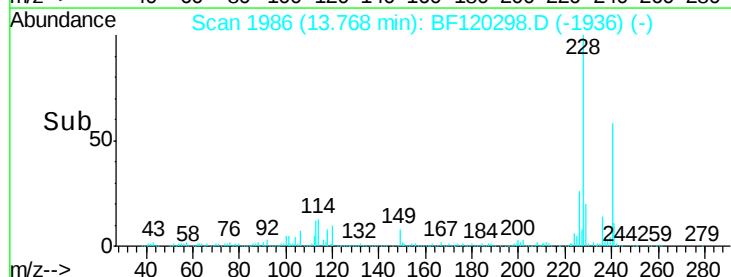
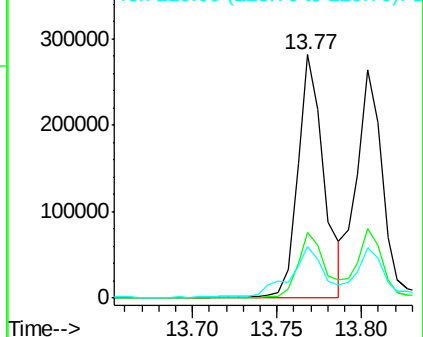
229 21.0 16.4 24.6

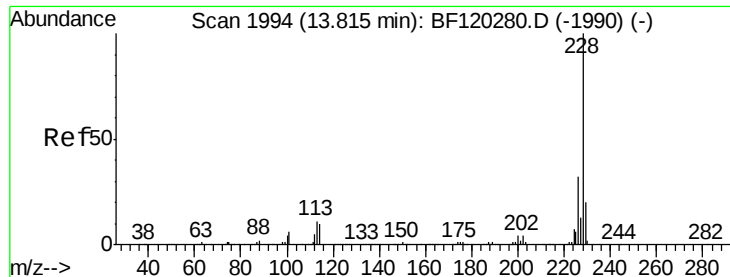


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

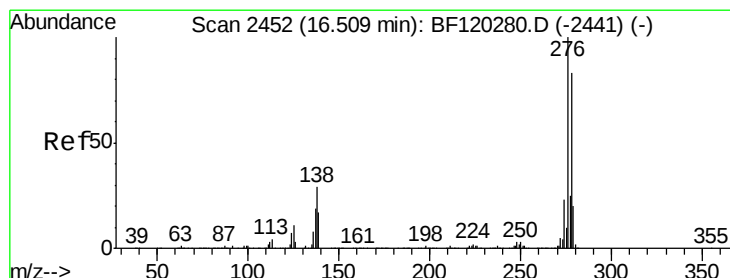
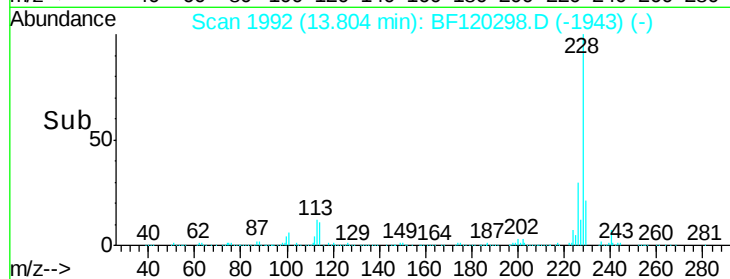
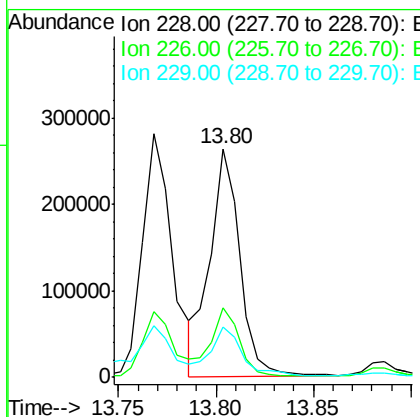
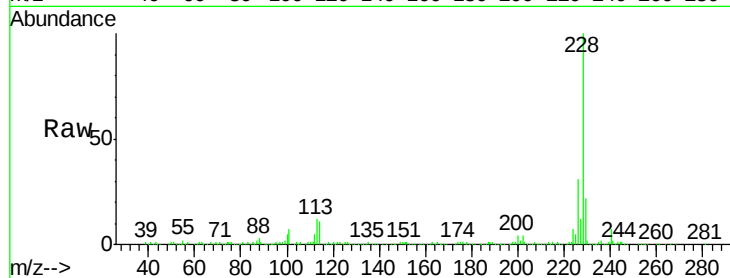




#83
Chrysene
Concen: 5.627 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

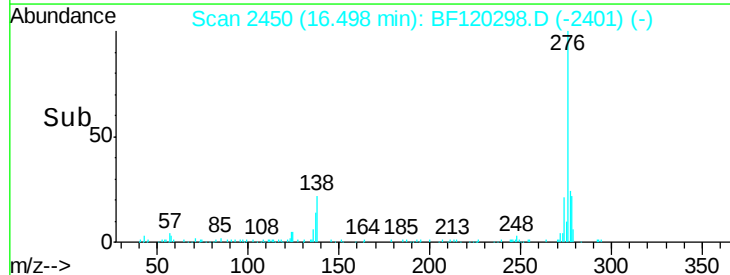
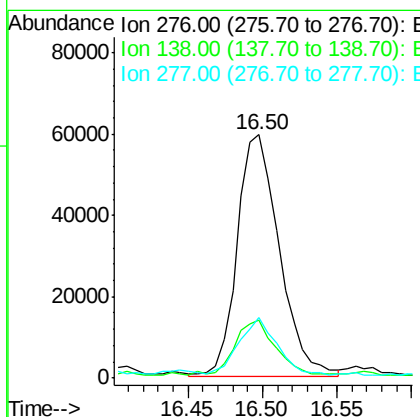
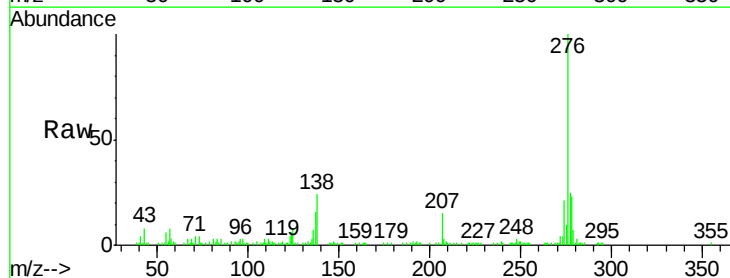
Instrument :
BNA_F
ClientSampleId :

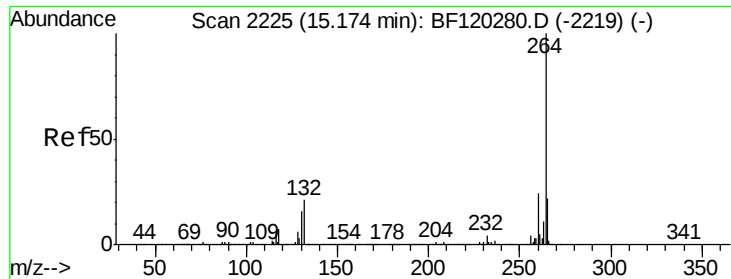
Tot Ion:228 Resp: 282529
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 22.0 16.2 24.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.551 ng
RT: 16.50 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion:276 Resp: 116236
Ion Ratio Lower Upper
276 100
138 22.9 23.3 34.9#
277 22.1 20.2 30.4

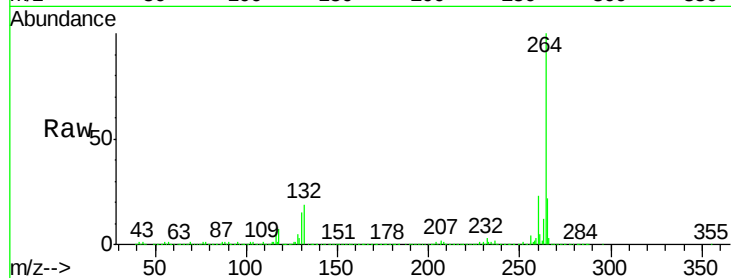




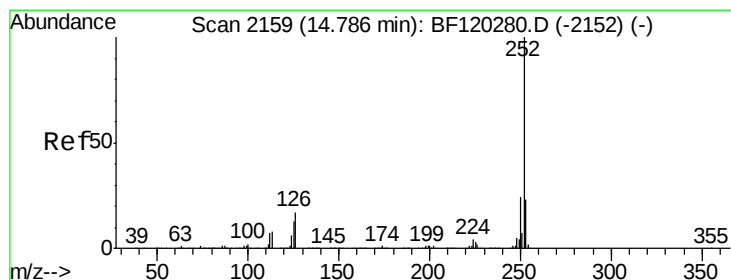
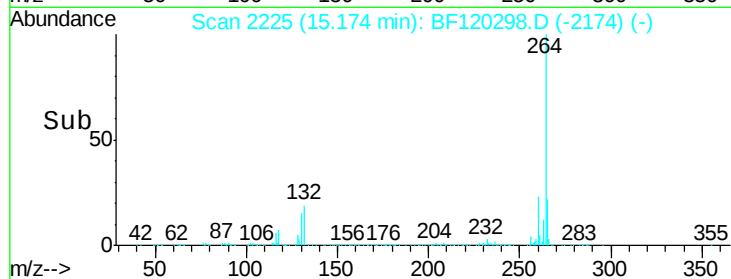
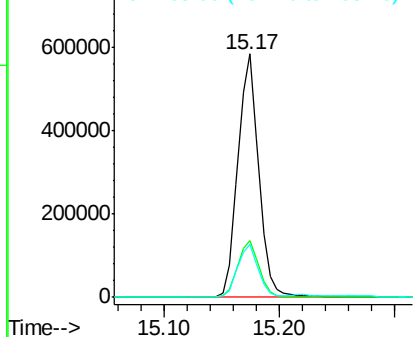
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 734685
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.9 17.5 26.3

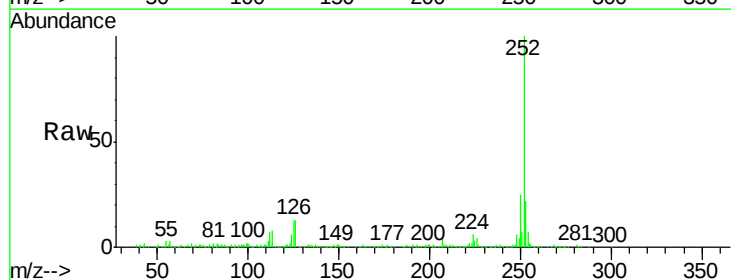


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

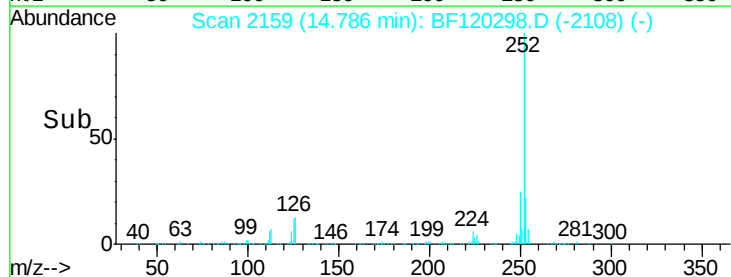
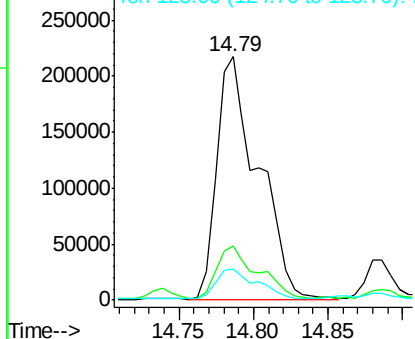


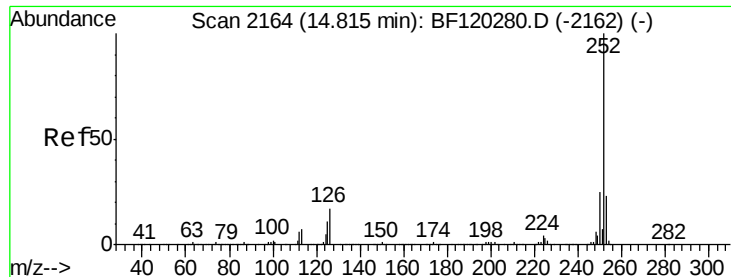
#88
Benzo(b)fluoranthene
Concen: 10.391 ng
RT: 14.79 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BF120298.D
Acq: 14 May 2020 18:42

Tgt Ion:252 Resp: 416928
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 12.6 10.4 15.6



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





#89

Benzo(k)fluoranthene

Concen: 11.994 ng

RT: 14.79 min Scan# 2159

Delta R.T. -0.03 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampleId :

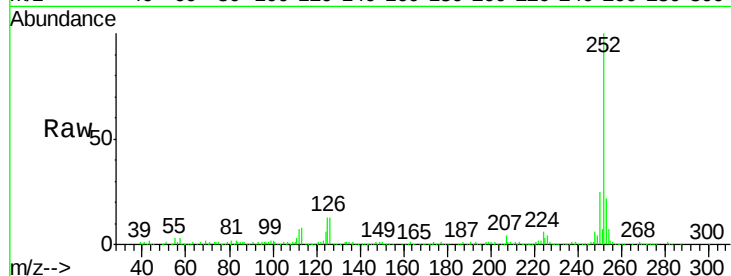
Tot Ion:252 Resp: 416928

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

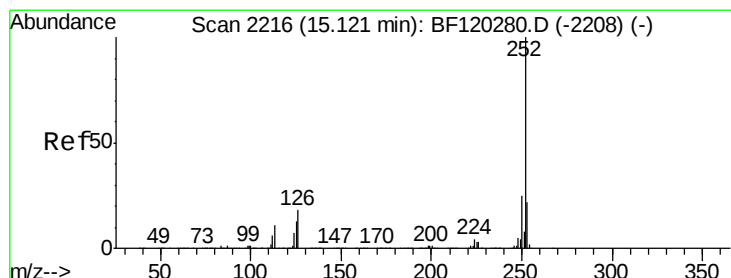
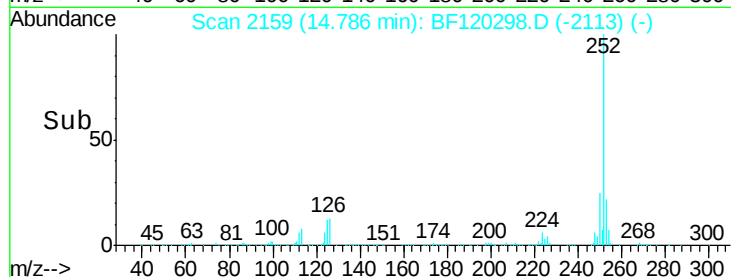
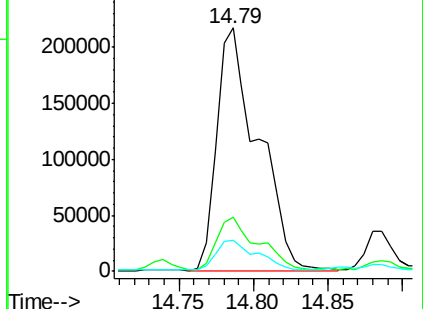
125 12.6 9.9 14.9



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



#90

Benzo(a)pyrene

Concen: 5.665 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

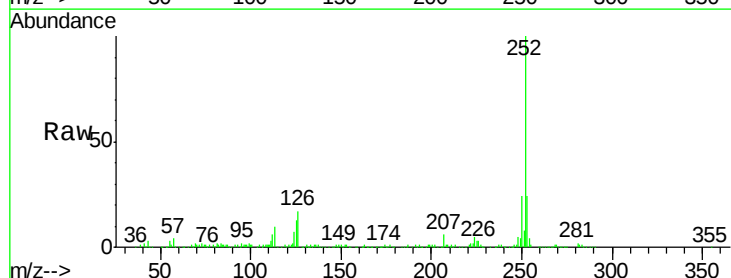
Tgt Ion:252 Resp: 203836

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

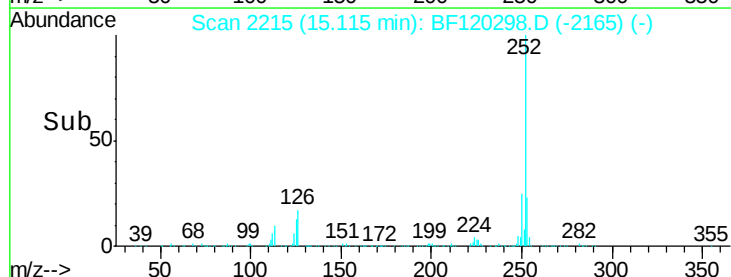
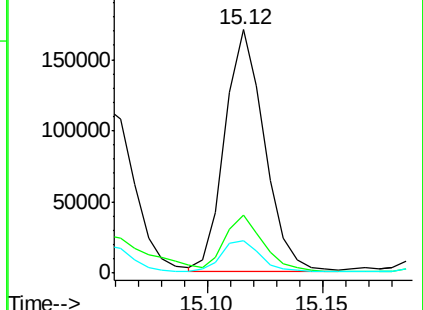
125 13.2 10.6 16.0

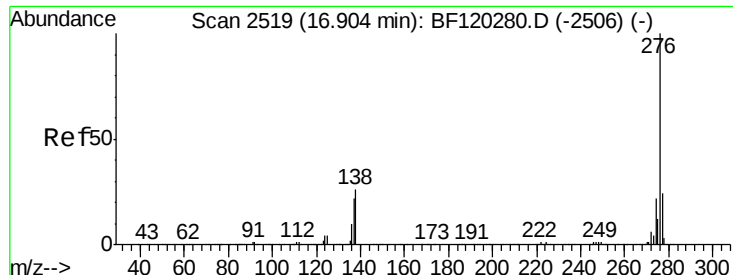


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.359 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BF120298.D

Acq: 14 May 2020 18:42

Instrument :

BNA_F

ClientSampleId :

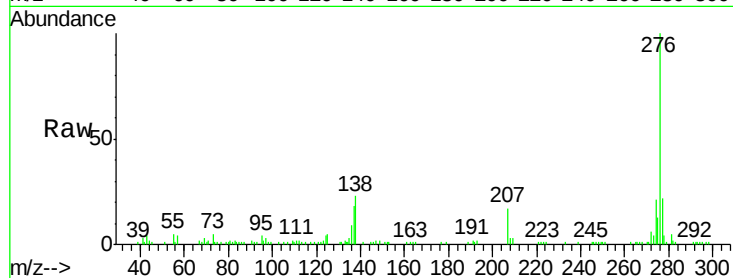
Tot Ion:276 Resp: 107985

Ion Ratio Lower Upper

276 100

277 22.3 19.1 28.7

138 22.5 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

