

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF050120\
 Data File : BF120264.D
 Acq On : 1 May 2020 17:58
 Operator : MA/SJ
 Sample : L2376-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: May 01 18:33:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	147270	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	542968	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	253018	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	447367	20.00	ng	0.00
76) Chrysene-d12	13.81	240	299434	20.00	ng	-0.02
87) Perylene-d12	15.22	264	315662	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	630960	74.04	ng	0.00
7) Phenol-d6	6.30	99	928336	84.54	ng	-0.01
23) Nitrobenzene-d5	7.22	82	583989	55.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	210589	67.98	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1075833	60.37	ng	0.00
79) Terphenyl-d14	12.76	244	969608	54.49	ng	-0.01

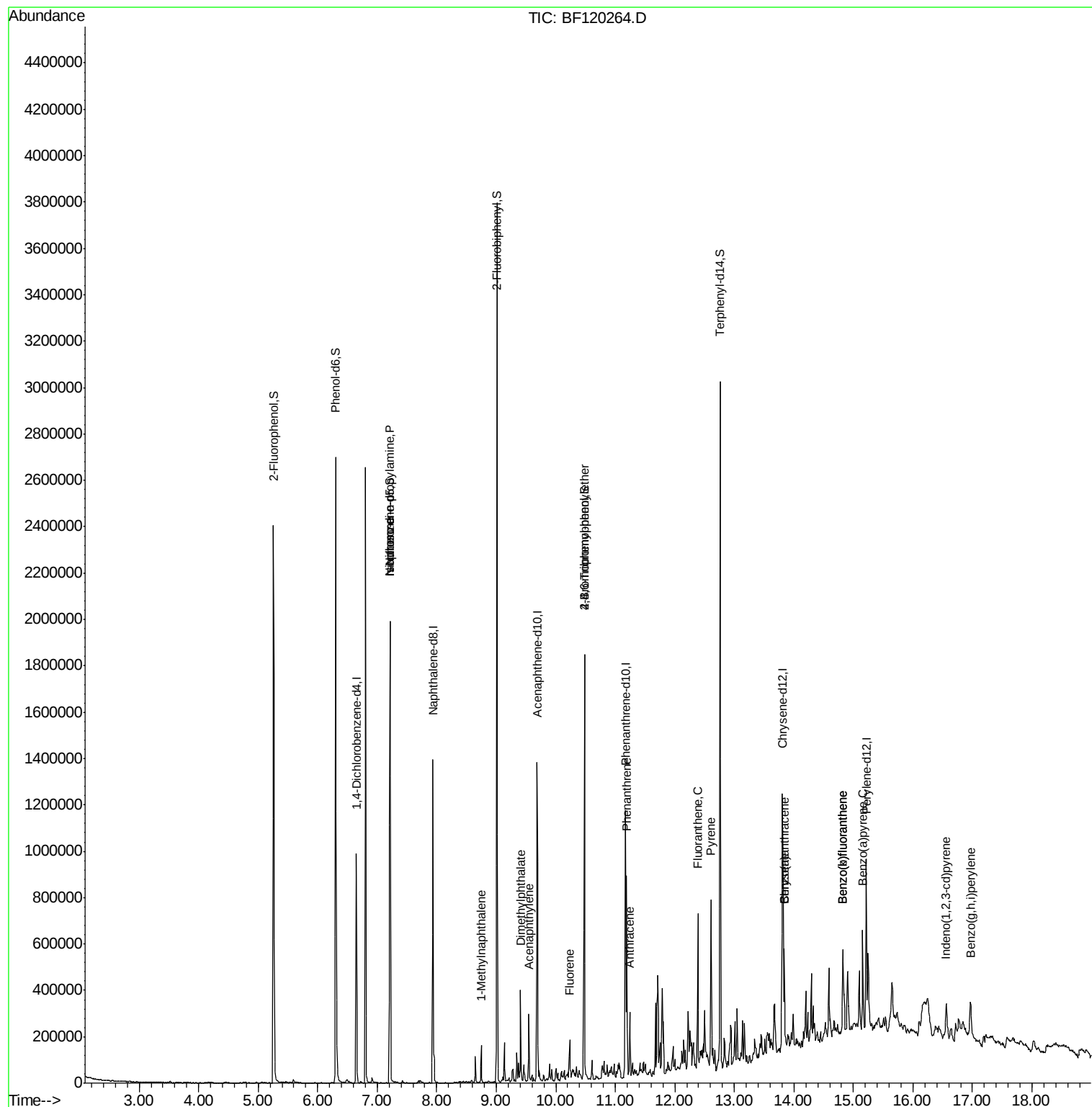
Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	1474	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	74550	10.558	ng	# 77
25) Isophorone	7.22	82	583983	28.864	ng	# 65
38) 1-Methylnaphthalene	8.75	142	36600	2.005	ng	100
49) Acenaphthylene	9.55	152	106660	4.263	ng	98
50) Dimethylphthalate	9.41	163	122264	6.247	ng	99
58) Fluorene	10.23	166	43409	2.370	ng	98
67) 4-Bromophenyl-phenylether	10.48	248	13063	2.348	ng	# 1
71) Phenanthrene	11.19	178	323446	13.585	ng	97
72) Anthracene	11.25	178	96019	3.948	ng	96
75) Fluoranthene	12.39	202	266380	10.369	ng	96
78) Pvrene	12.61	202	303318	12.016	ng	98
81) Benzo(a)anthracene	13.84	228	175245	8.896	ng	95
83) Chrysene	13.84	228	175245	8.755	ng	97
86) Indeno(1,2,3-cd)pyrene	16.56	276	100570	5.700	ng	96
88) Benzo(b)fluoranthene	14.82	252	250127	11.015	ng	# 95
89) Benzo(k)fluoranthene	14.82	252	250127	12.766	ng	# 96
90) Benzo(a)pyrene	15.16	252	185052	9.692	ng	98
92) Benzo(a,h,i)perylene	16.97	276	122113	7.315	ng	96

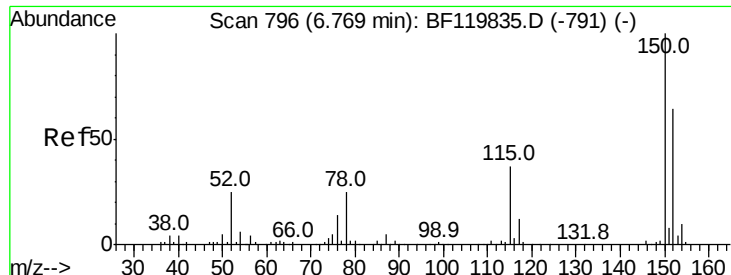
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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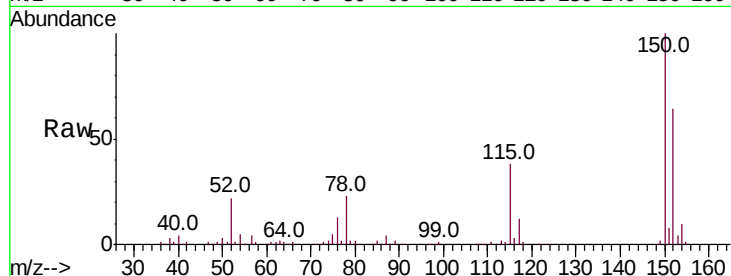


#1

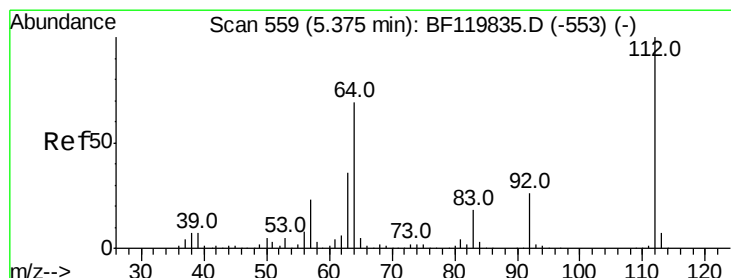
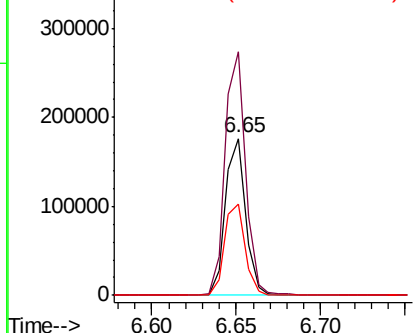
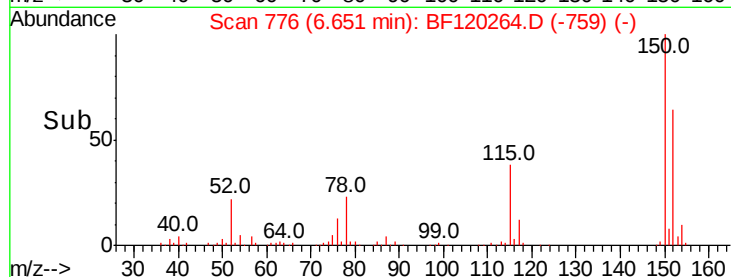
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:152 Resp: 147270
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 58.5 49.6 74.4



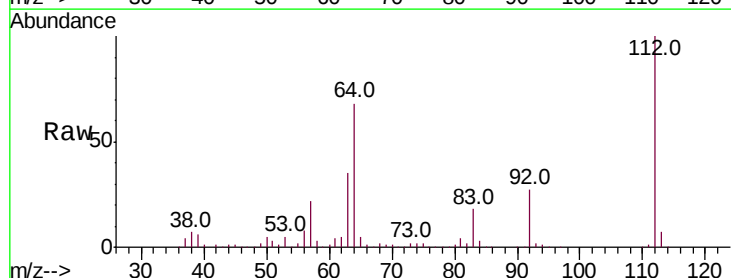
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



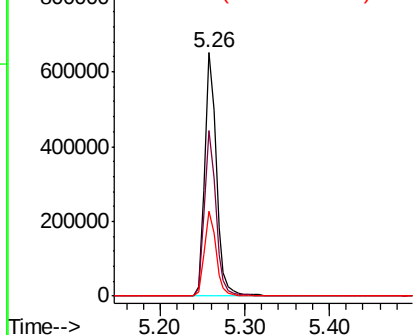
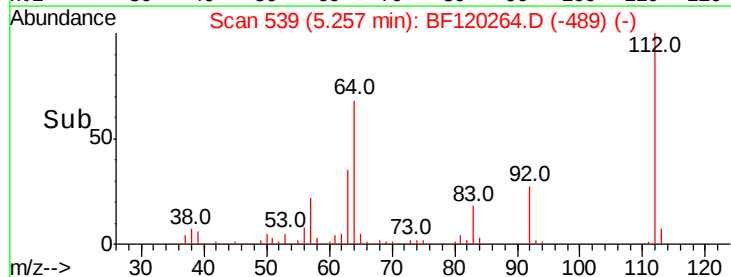
#5

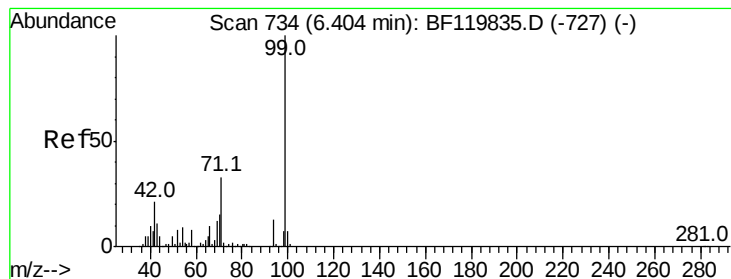
2-Fluorophenol
Concen: 74.042 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion:112 Resp: 630960
Ion Ratio Lower Upper
112 100
64 67.8 56.7 85.1
63 35.0 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: 84.543 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-4

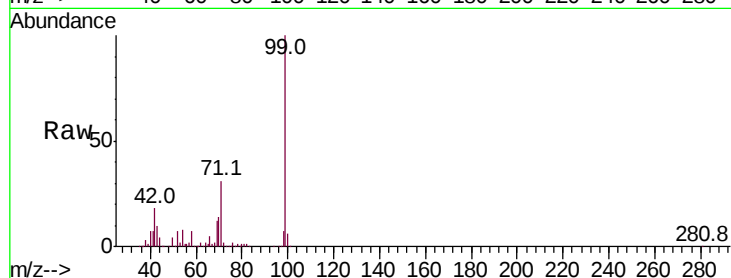
Tot Ion: 99 Resp: 928336

Ion Ratio Lower Upper

99 100

42 18.3 16.6 24.8

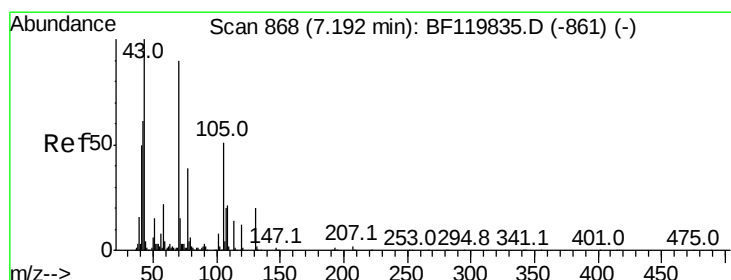
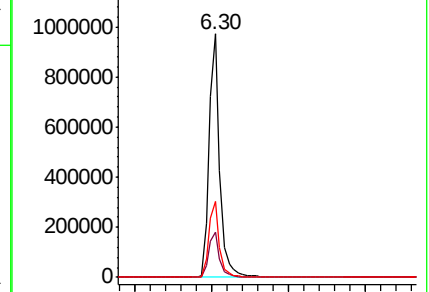
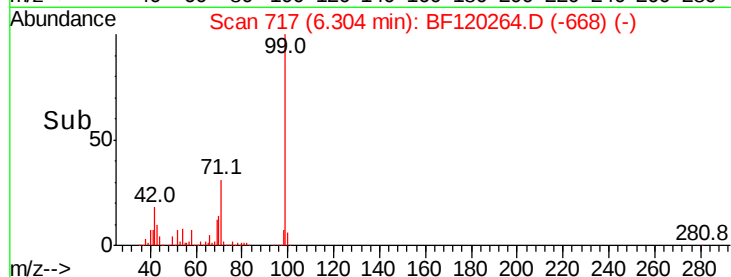
71 31.4 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.558 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Tgt Ion: 70 Resp: 74550

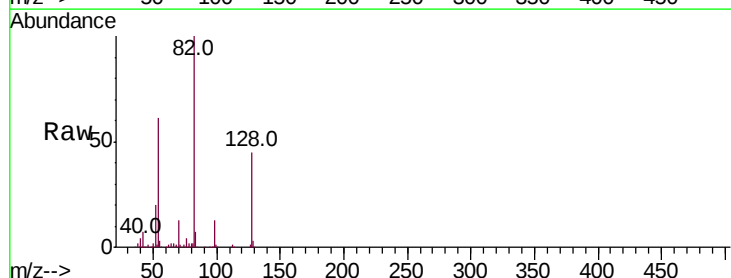
Ion Ratio Lower Upper

70 100

42 54.3 54.5 81.7#

101 0.0 7.6 11.4#

130 2.4 17.6 26.4#

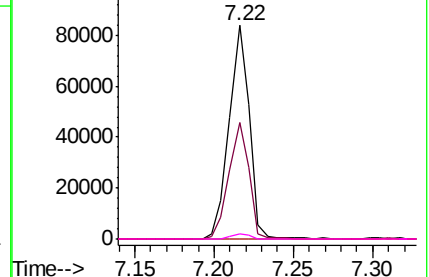
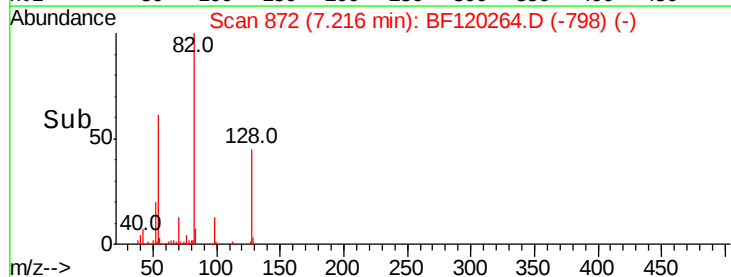


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

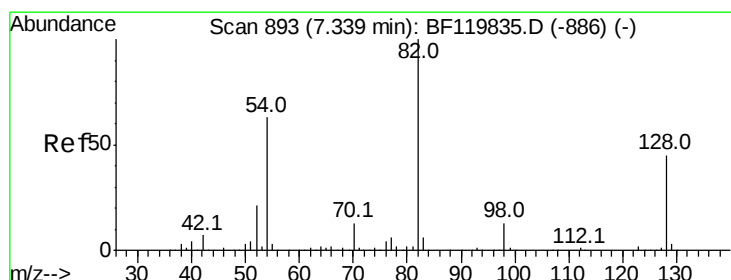
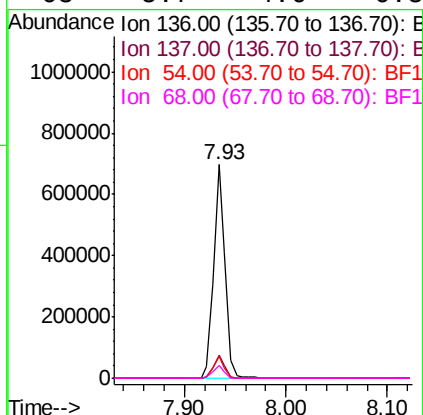
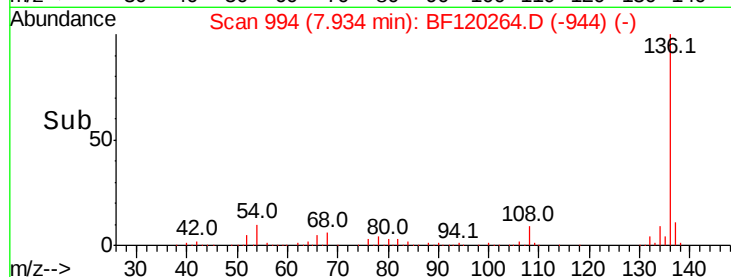
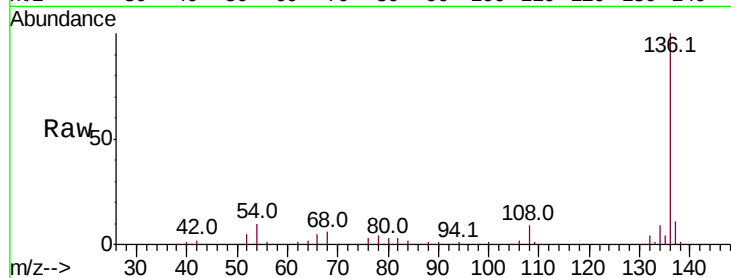




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

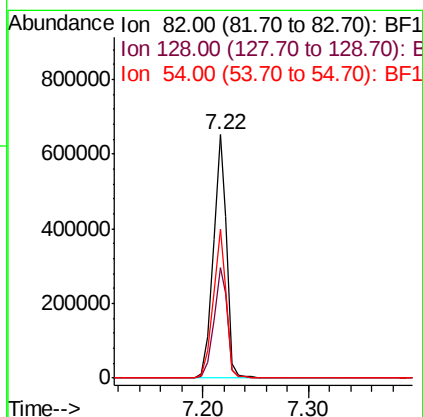
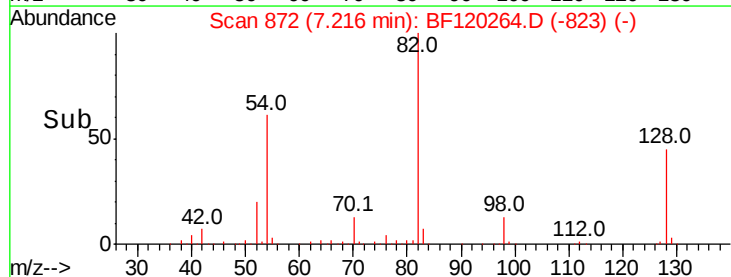
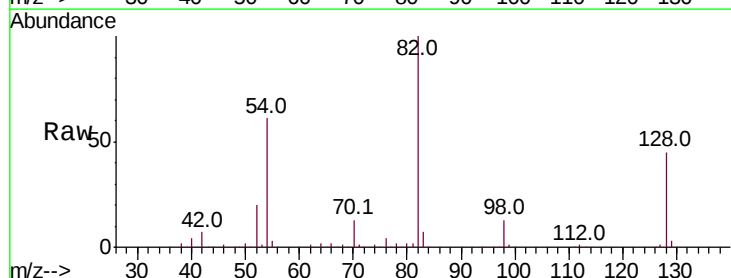
Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:	136	Resp:	542968
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	10.0	9.1	13.7
68	5.7	4.6	6.8



#23
Nitrobenzene-d5
Concen: 55.642 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion:	82	Resp:	583989
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	61.1	50.6	75.8





#25

Isophorone

Concen: 28.864 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.27 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-4

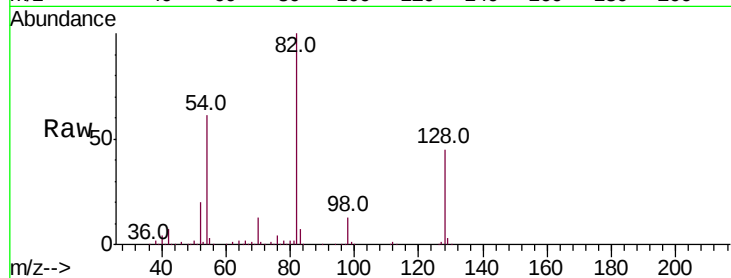
Tot Ion: 82 Resp: 583983

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

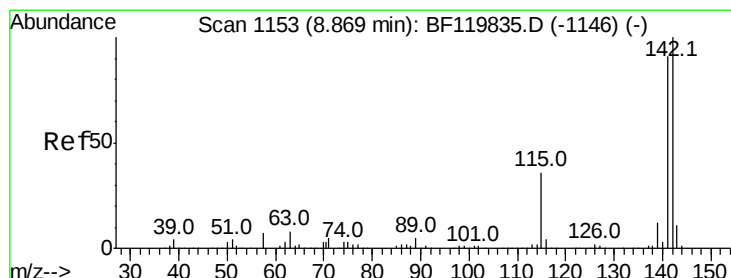
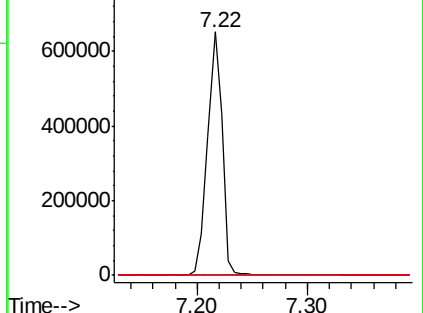
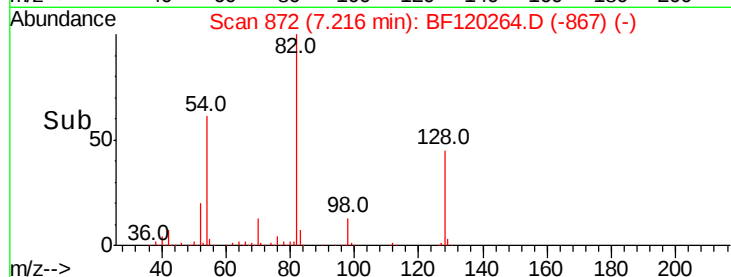
138 0.0 14.6 21.8#



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



#38

1-Methylnaphthalene

Concen: 2.005 ng

RT: 8.75 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

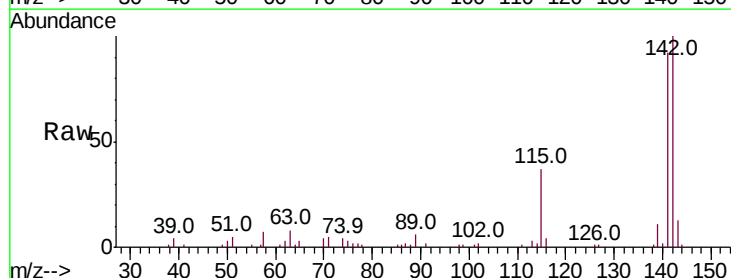
Tgt Ion: 142 Resp: 36600

Ion Ratio Lower Upper

142 100

141 92.2 73.7 110.5

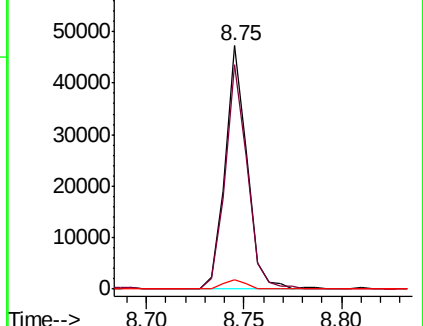
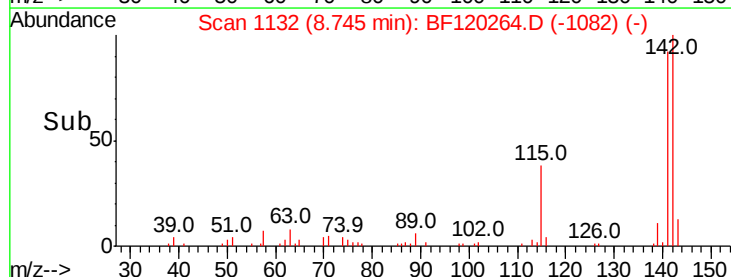
116 3.8 3.0 4.6

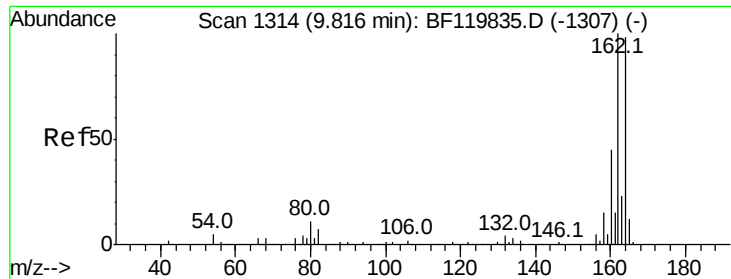


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

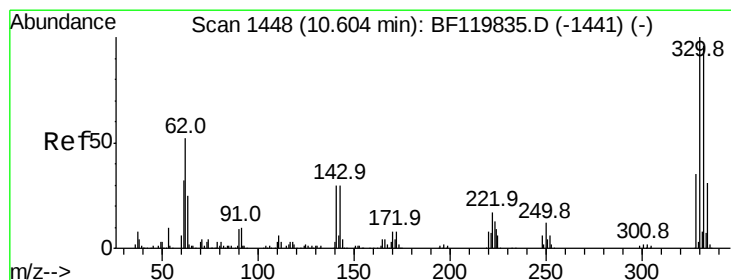
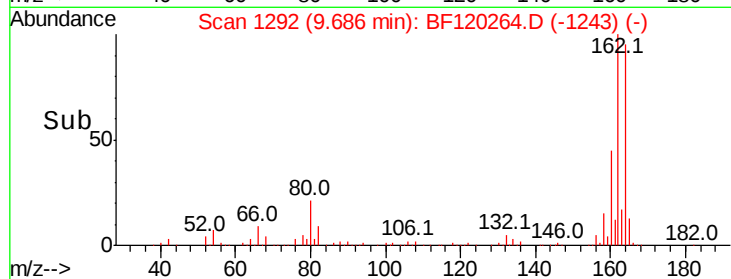
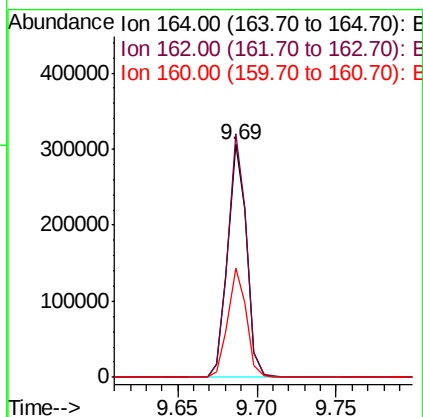
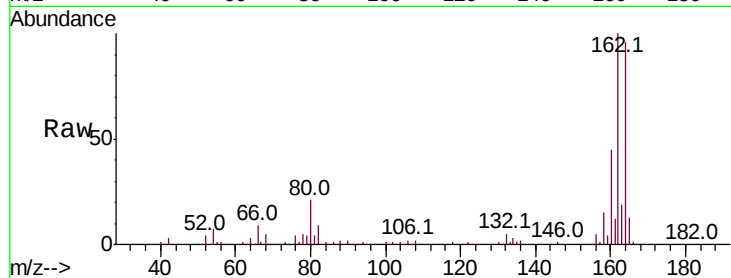




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

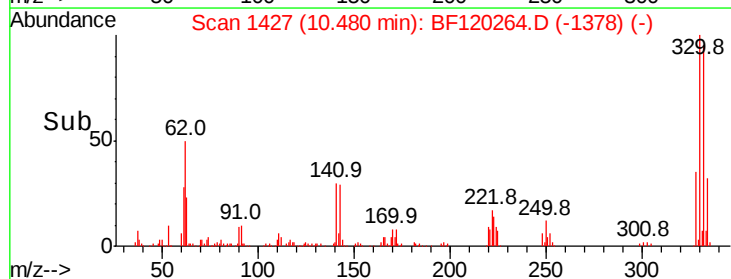
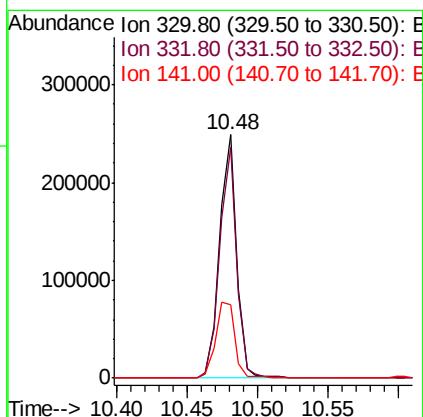
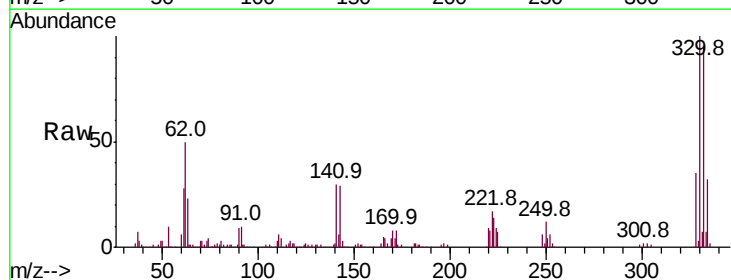
Instrument :
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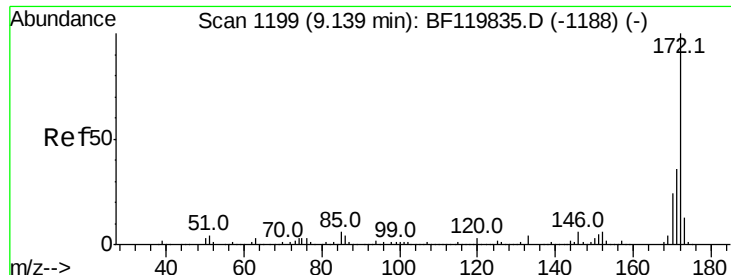
Tot Ion:164 Resp: 253018
 Ion Ratio Lower Upper
 164 100
 162 104.5 80.6 121.0
 160 46.7 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 67.980 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Tgt Ion:330 Resp: 210589
 Ion Ratio Lower Upper
 330 100
 332 94.1 75.7 113.5
 141 35.4 25.4 38.0



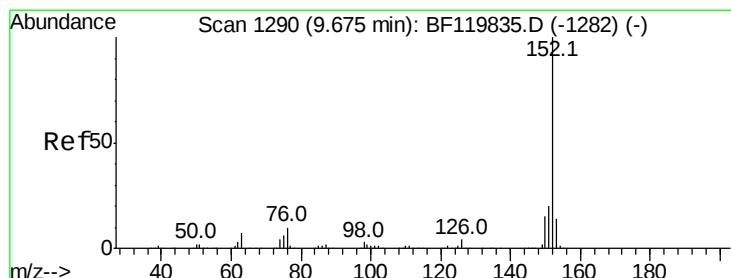
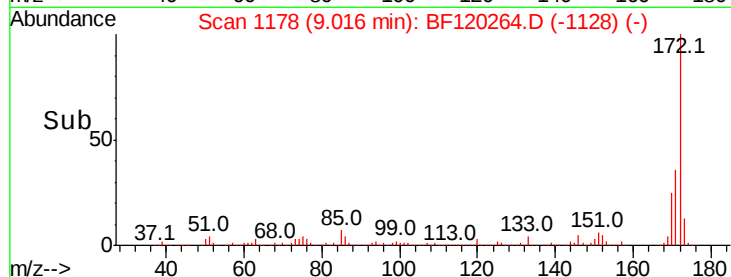
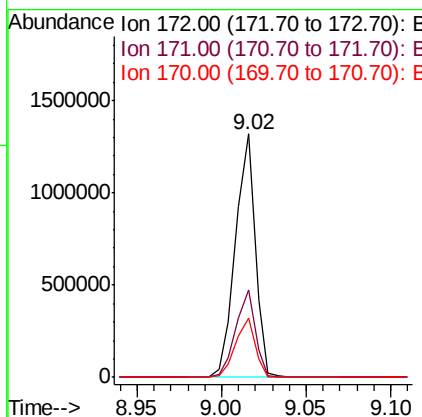
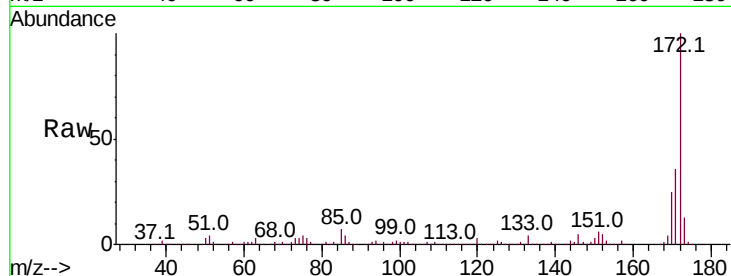


#45
 2-Fluorobiphenyl
 Concen: 60.369 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion:172 Resp: 1075833

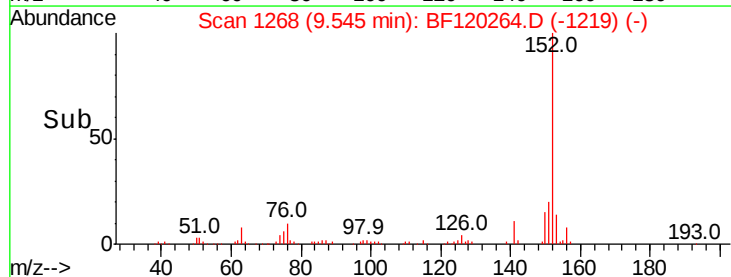
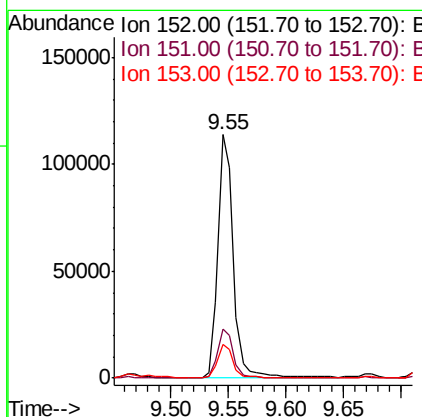
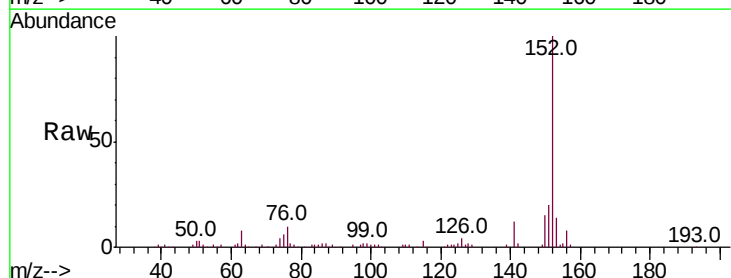
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.6	20.2	30.2

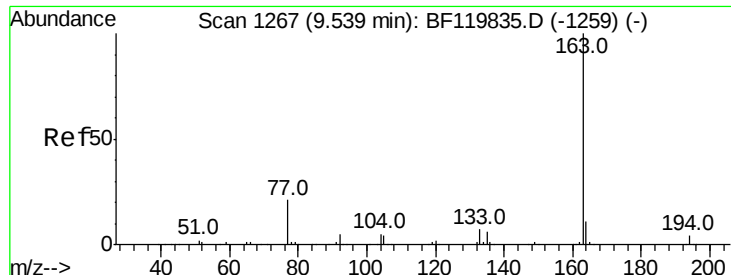


#49
 Acenaphthylene
 Concen: 4.263 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Tgt Ion:152 Resp: 106660

Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.2	25.8
153	13.9	11.2	16.8

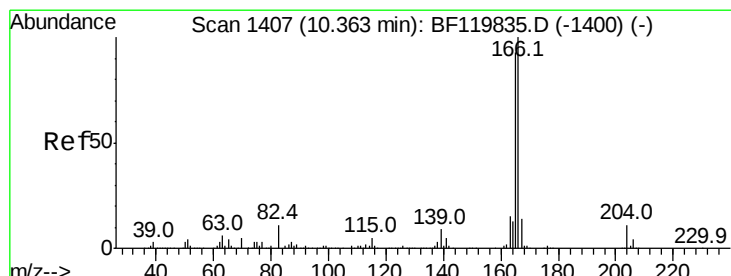
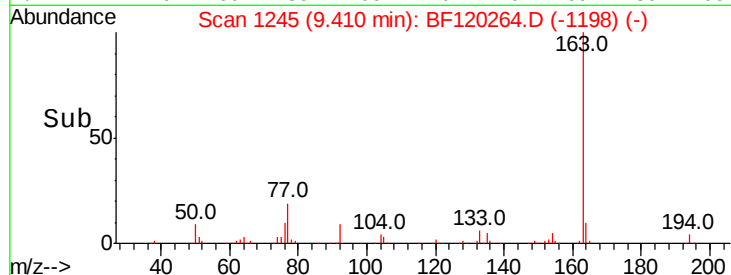
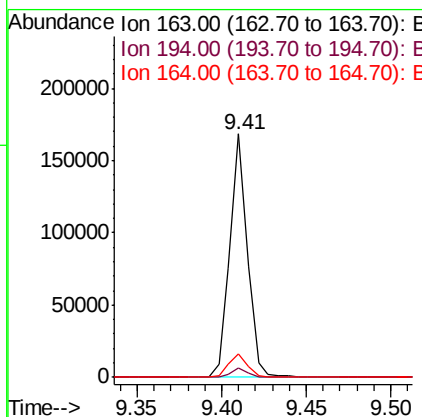
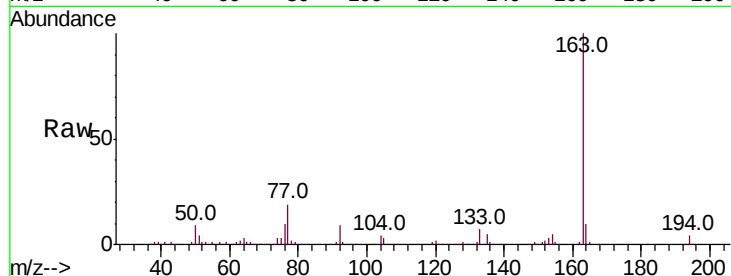




#50
Dimethylphthalate
Concen: 6.247 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

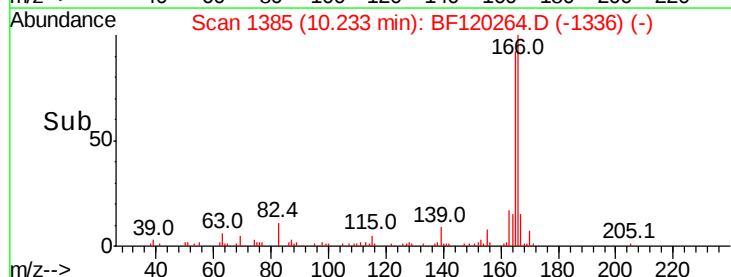
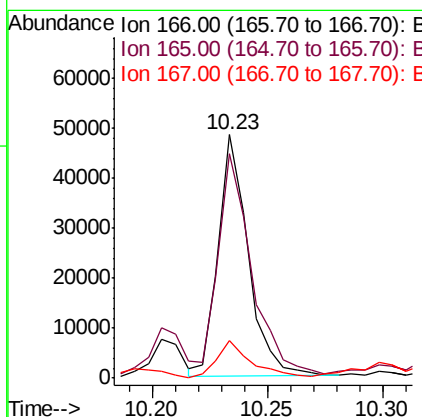
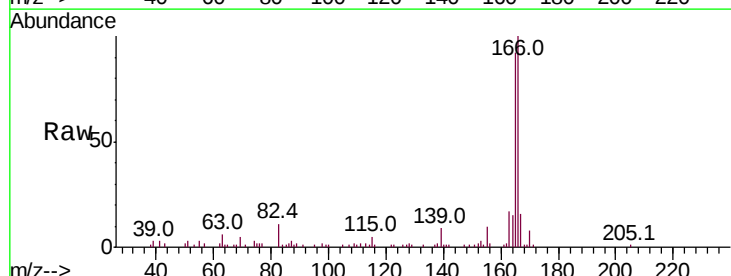
Instrument :
BNA_F
ClientSampleId :
TP-4

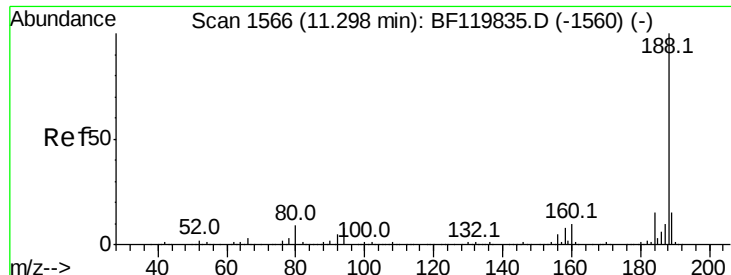
Tot Ion:163 Resp: 122264
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 9.8 8.2 12.2



#58
Fluorene
Concen: 2.370 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion:166 Resp: 43409
Ion Ratio Lower Upper
166 100
165 92.1 75.4 113.2
167 15.6 11.2 16.8

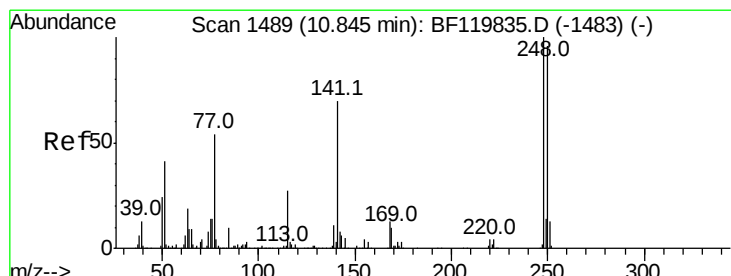
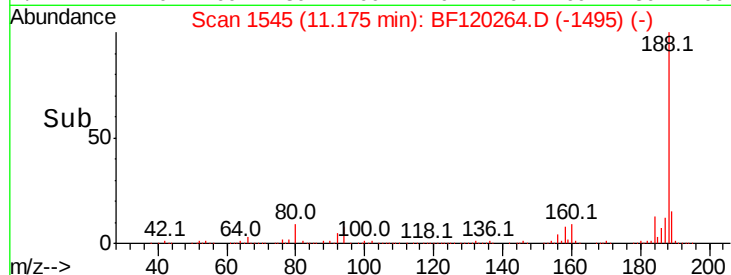
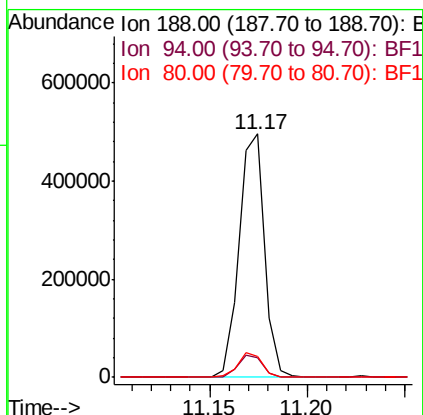
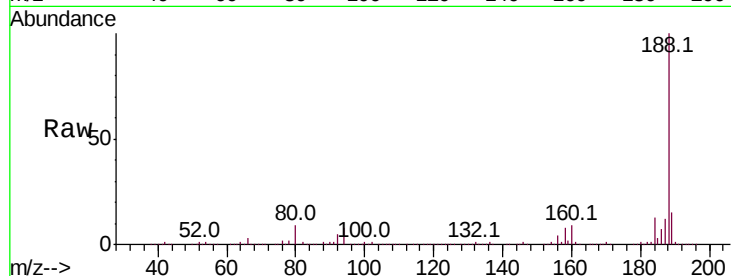




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

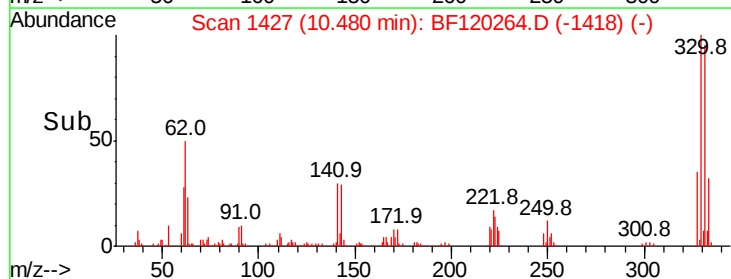
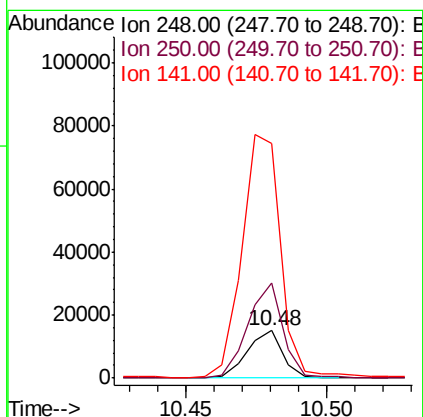
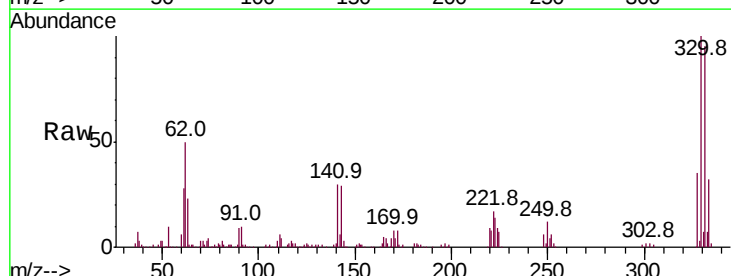
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

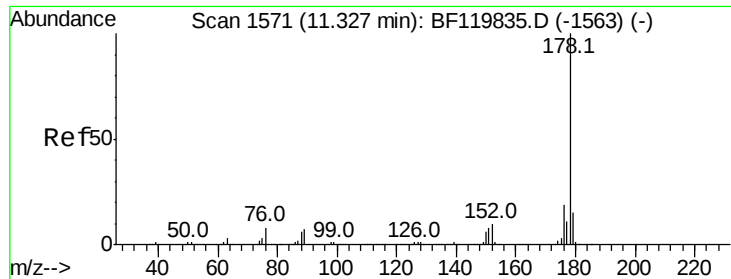
Tot Ion:188 Resp: 447367
 Ion Ratio Lower Upper
 188 100
 94 8.0 7.5 11.3
 80 8.5 9.0 13.4#



#67
 4-Bromophenyl-phenylether
 Concen: 2.348 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Tgt Ion:248 Resp: 13063
 Ion Ratio Lower Upper
 248 100
 250 200.4 77.3 115.9#
 141 493.7 58.6 87.8#

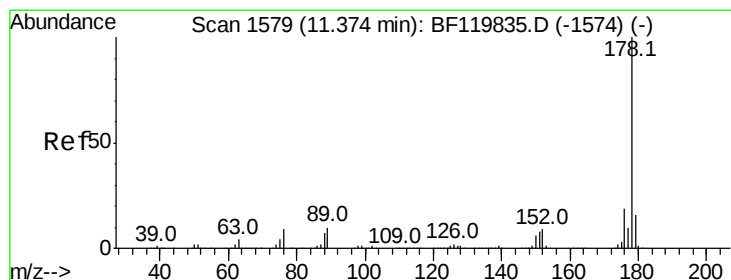
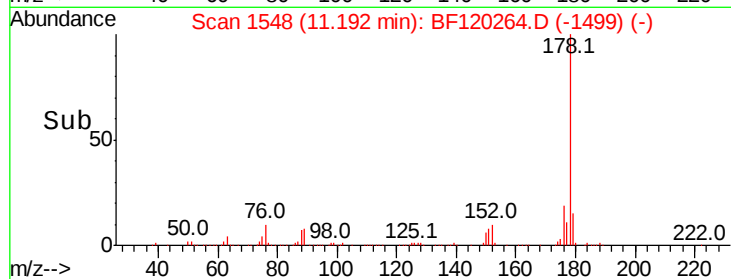
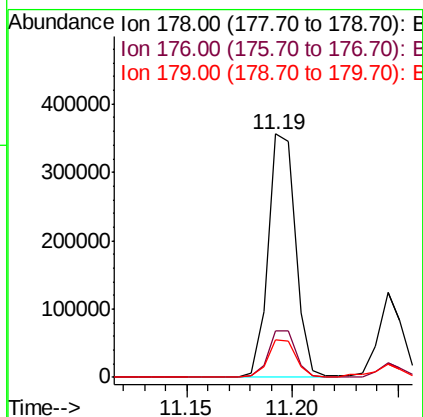
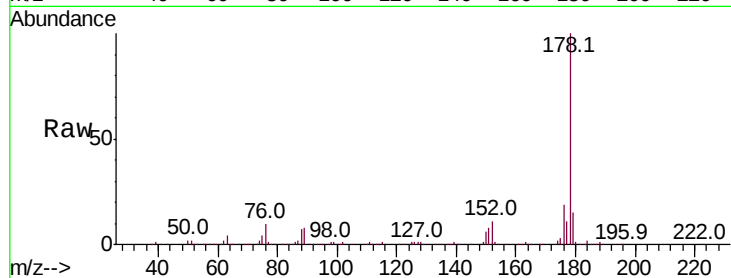




#71
Phenanthrene
Concen: 13.585 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

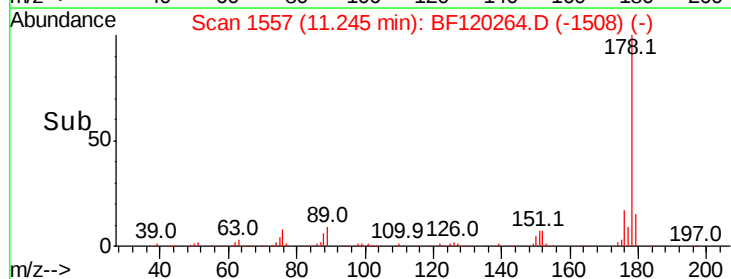
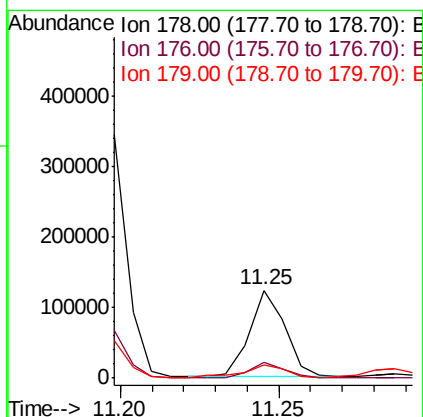
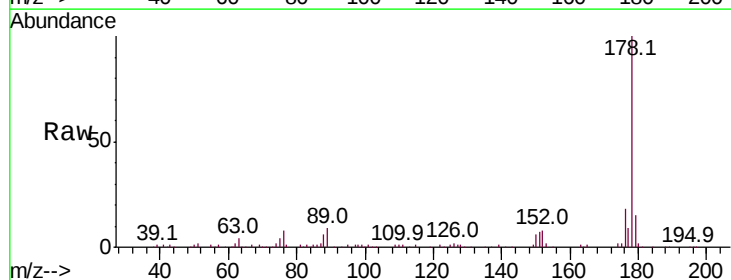
Instrument :
BNA_F
ClientSampleId :
TP-4

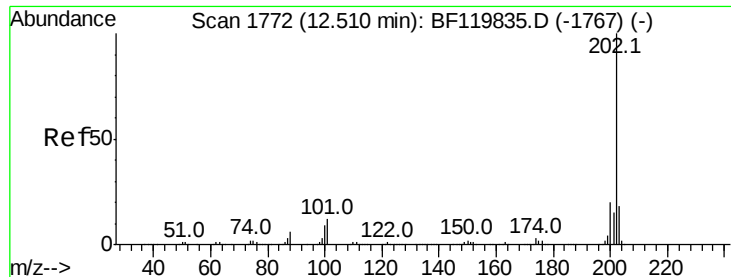
Tot Ion:178 Resp: 323446
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.3 13.2 19.8



#72
Anthracene
Concen: 3.948 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion:178 Resp: 96019
Ion Ratio Lower Upper
178 100
176 17.5 16.1 24.1
179 15.4 13.0 19.4





#75

Fluoranthene

Concen: 10.369 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-4

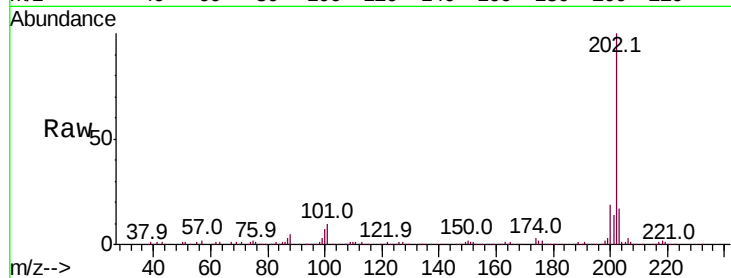
Tot Ion:202 Resp: 266380

Ion Ratio Lower Upper

202 100

101 9.8 0.0 32.2

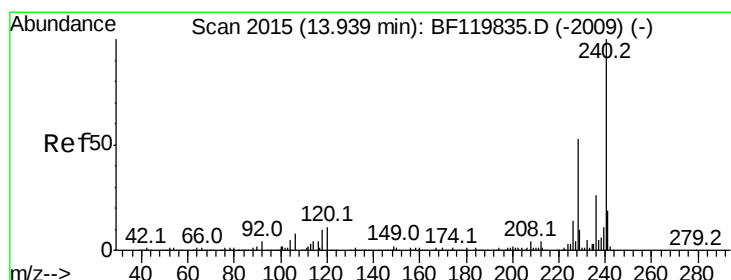
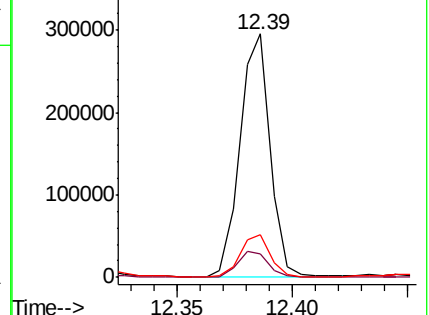
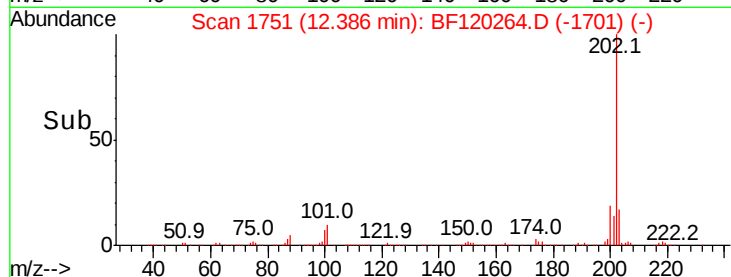
203 17.4 0.0 38.8



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: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

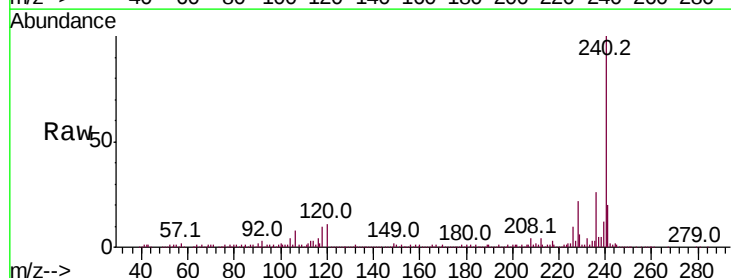
Tgt Ion:240 Resp: 299434

Ion Ratio Lower Upper

240 100

120 11.4 10.6 15.8

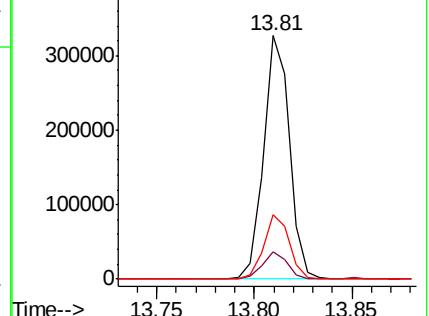
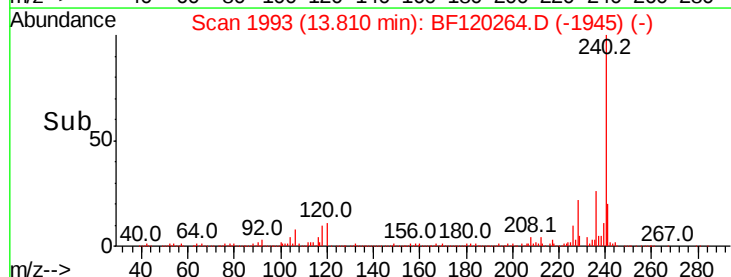
236 26.3 20.2 30.2

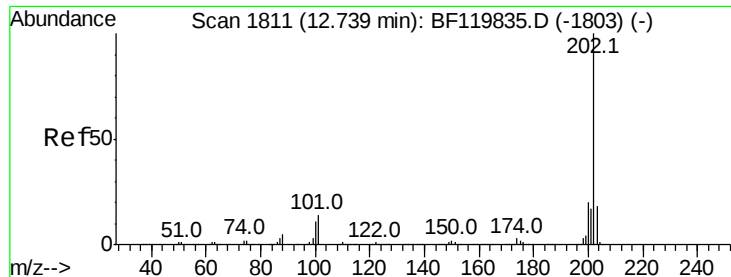


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.016 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-4

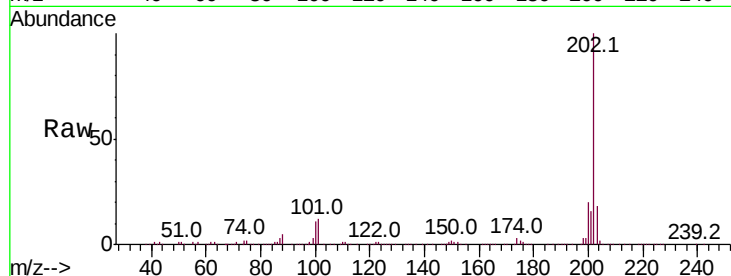
Tot Ion:202 Resp: 303318

Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

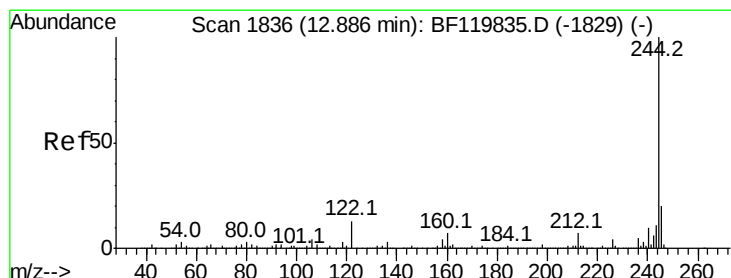
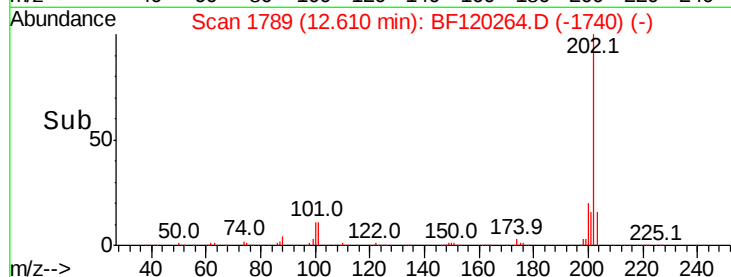
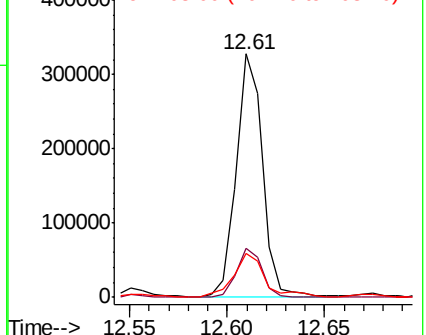
203 18.1 15.1 22.7



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: 54.487 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

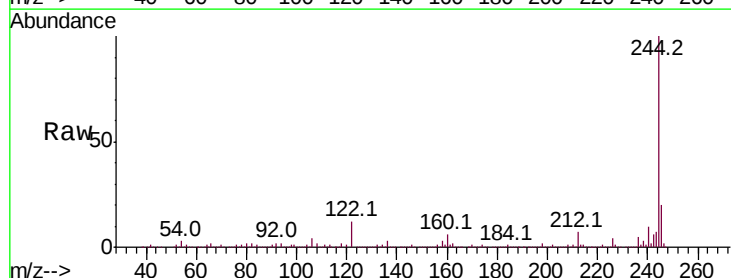
Tgt Ion:244 Resp: 969608

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

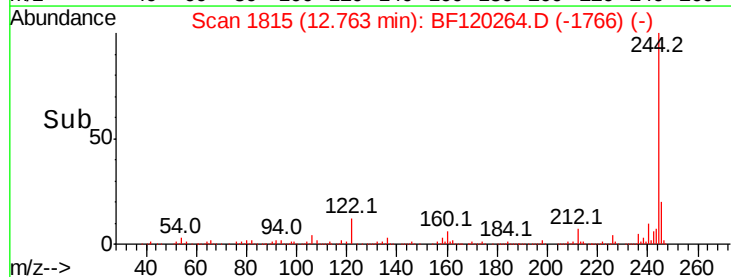
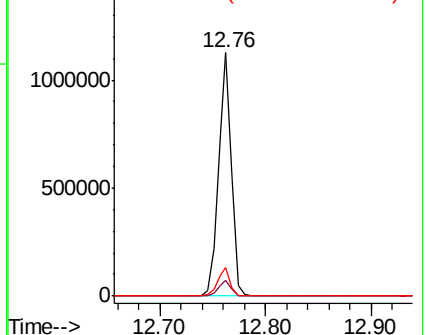
122 11.7 10.3 15.5

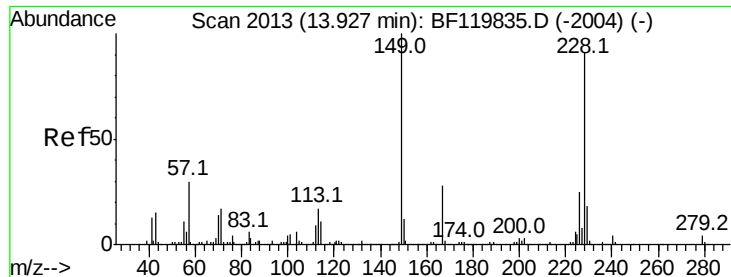


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 8.896 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.03 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

ClientSampled :

TP-4

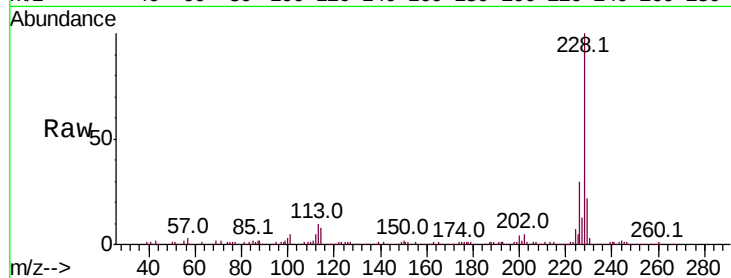
Tot Ion:228 Resp: 175245

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.8

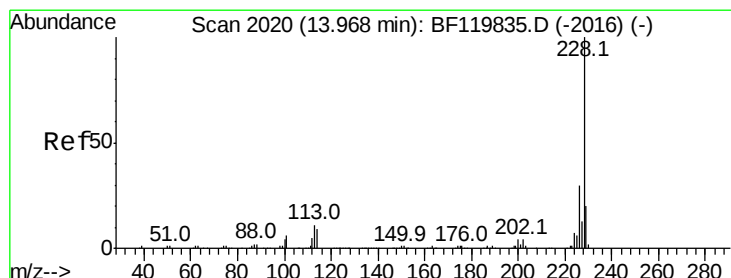
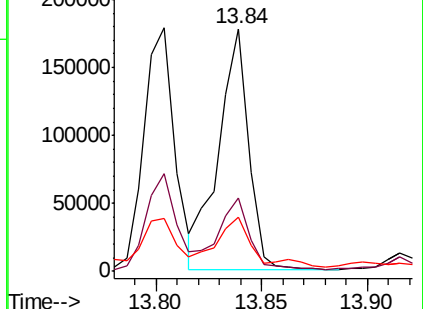
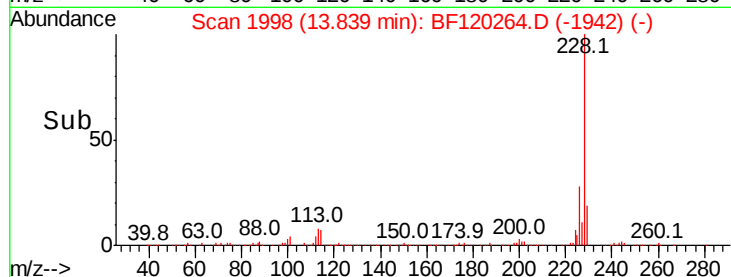
229 22.3 16.2 24.4



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: 8.755 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

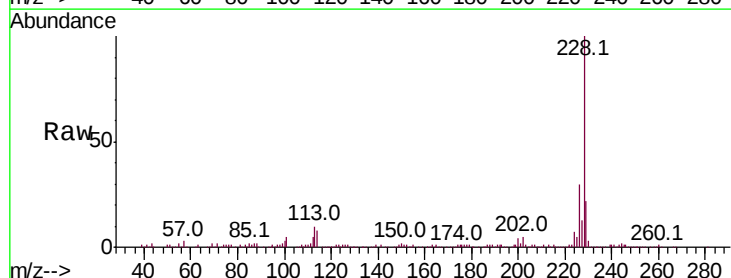
Tgt Ion:228 Resp: 175245

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

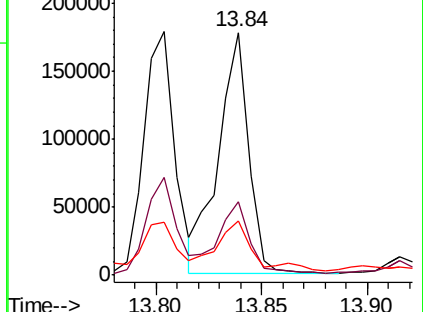
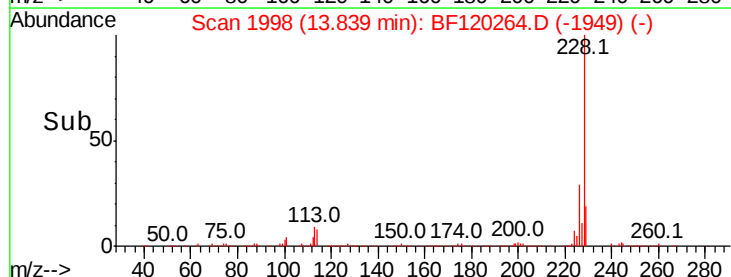
229 22.3 16.6 24.8

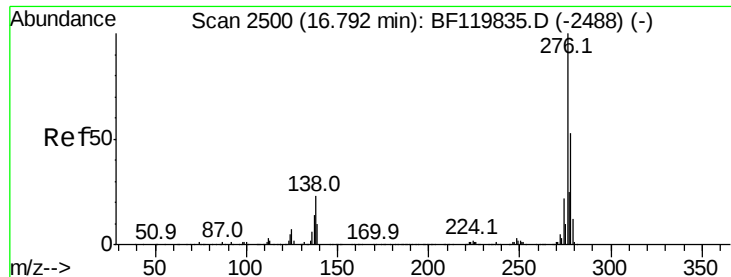


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

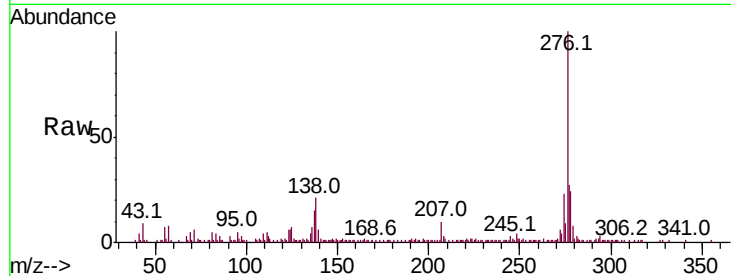




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.700 ng
 RT: 16.56 min Scan# 2461
 Delta R.T. -0.02 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.6	29.4
277	24.0	20.0	30.0

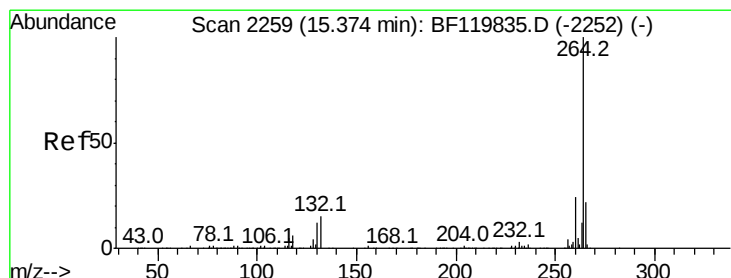
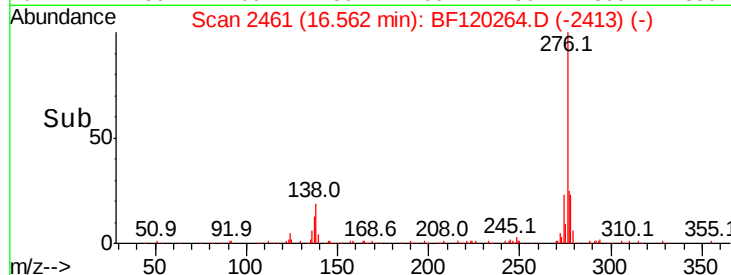
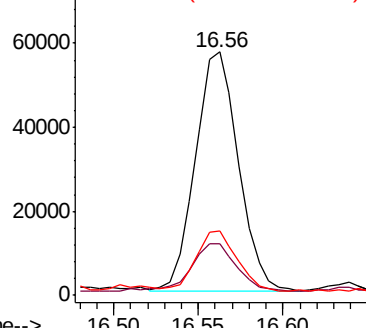


Abundance

Ion 276.00 (275.70 to 276.70): E

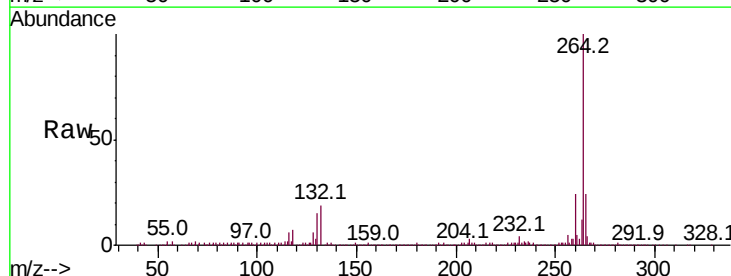
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. -0.01 min
 Lab File: BF120264.D
 Acq: 1 May 2020 17:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	23.5	17.7	26.5

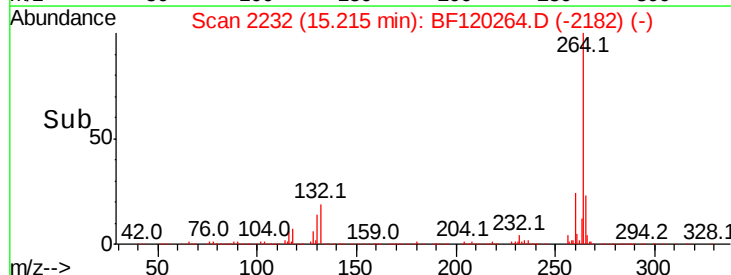
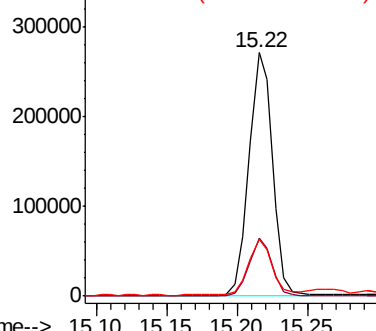


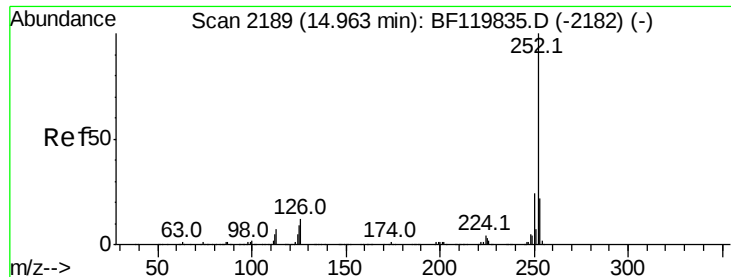
Abundance

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: 11.015 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-4

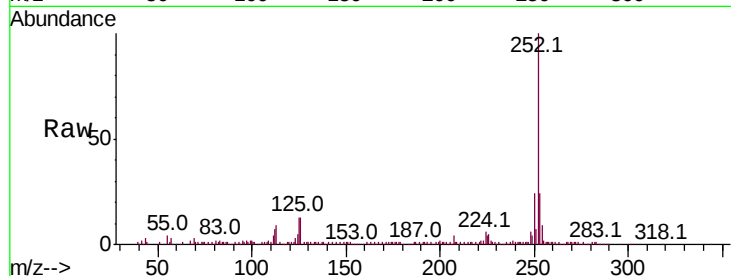
Tot Ion:252 Resp: 250127

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

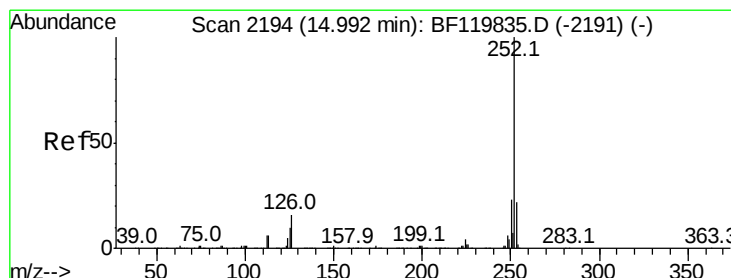
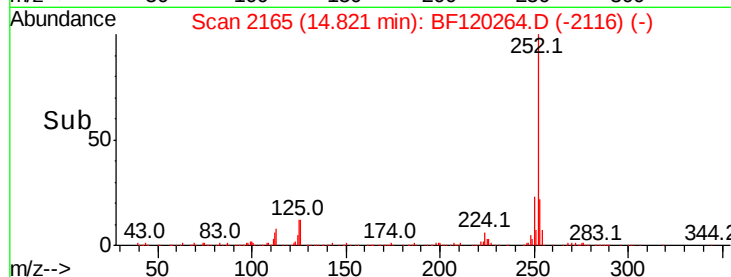
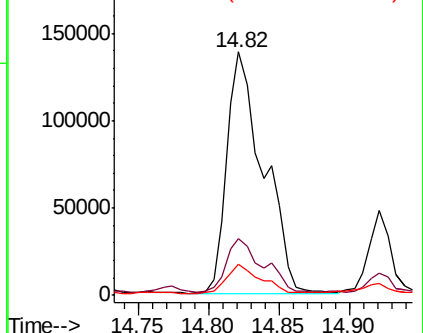
125 12.6 7.9 11.9#



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: 12.766 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.04 min

Lab File: BF120264.D

Acq: 1 May 2020 17:58

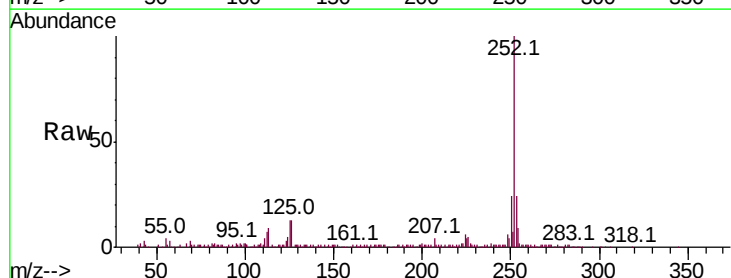
Tgt Ion:252 Resp: 250127

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

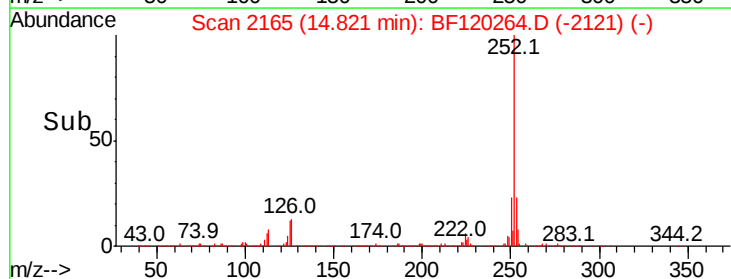
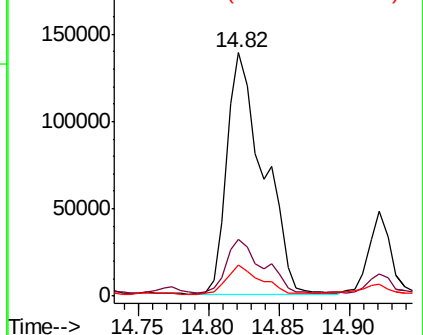
125 12.6 8.4 12.6#

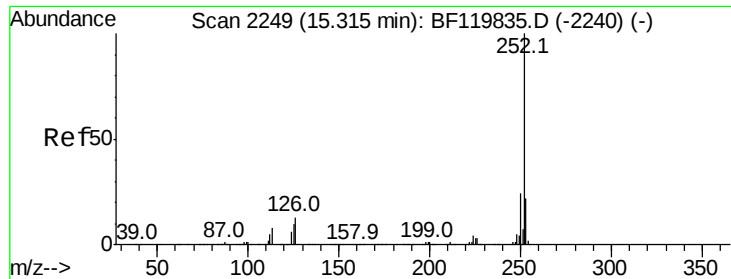


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

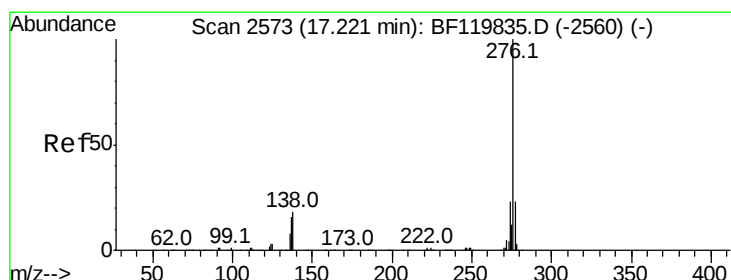
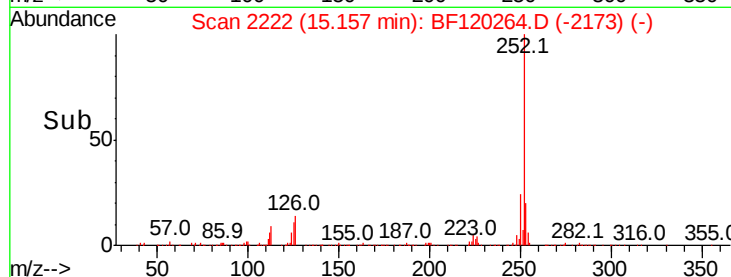
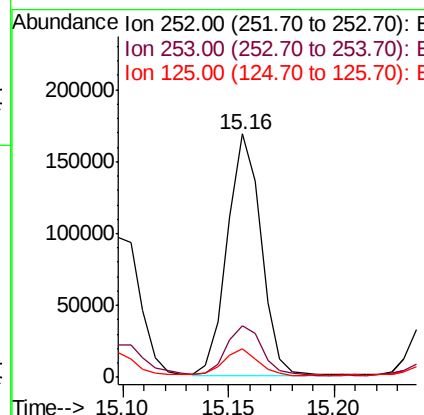
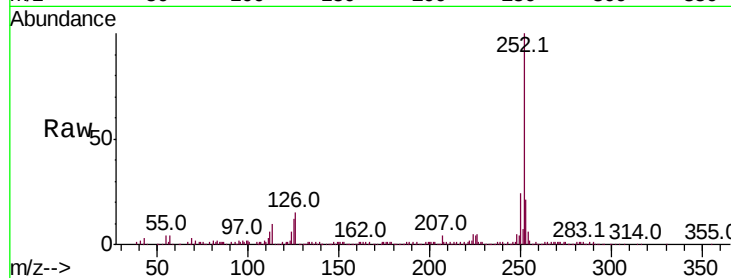




#90
Benzo(a)pyrene
Concen: 9.692 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion:252 Resp: 185052
Ion Ratio Lower Upper
252 100
253 21.1 18.2 27.2
125 11.7 9.4 14.2



#92
Benzo(g,h,i)perylene
Concen: 7.315 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF120264.D
Acq: 1 May 2020 17:58

Tgt Ion:276 Resp: 122113
Ion Ratio Lower Upper
276 100
277 24.3 18.4 27.6
138 21.6 15.4 23.0

