

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110420\
 Data File : BF122272.D
 Acq On : 4 Nov 2020 19:46
 Operator : JU/CG
 Sample : L4621-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B8-110320-0-10

Quant Time: Nov 05 00:22:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

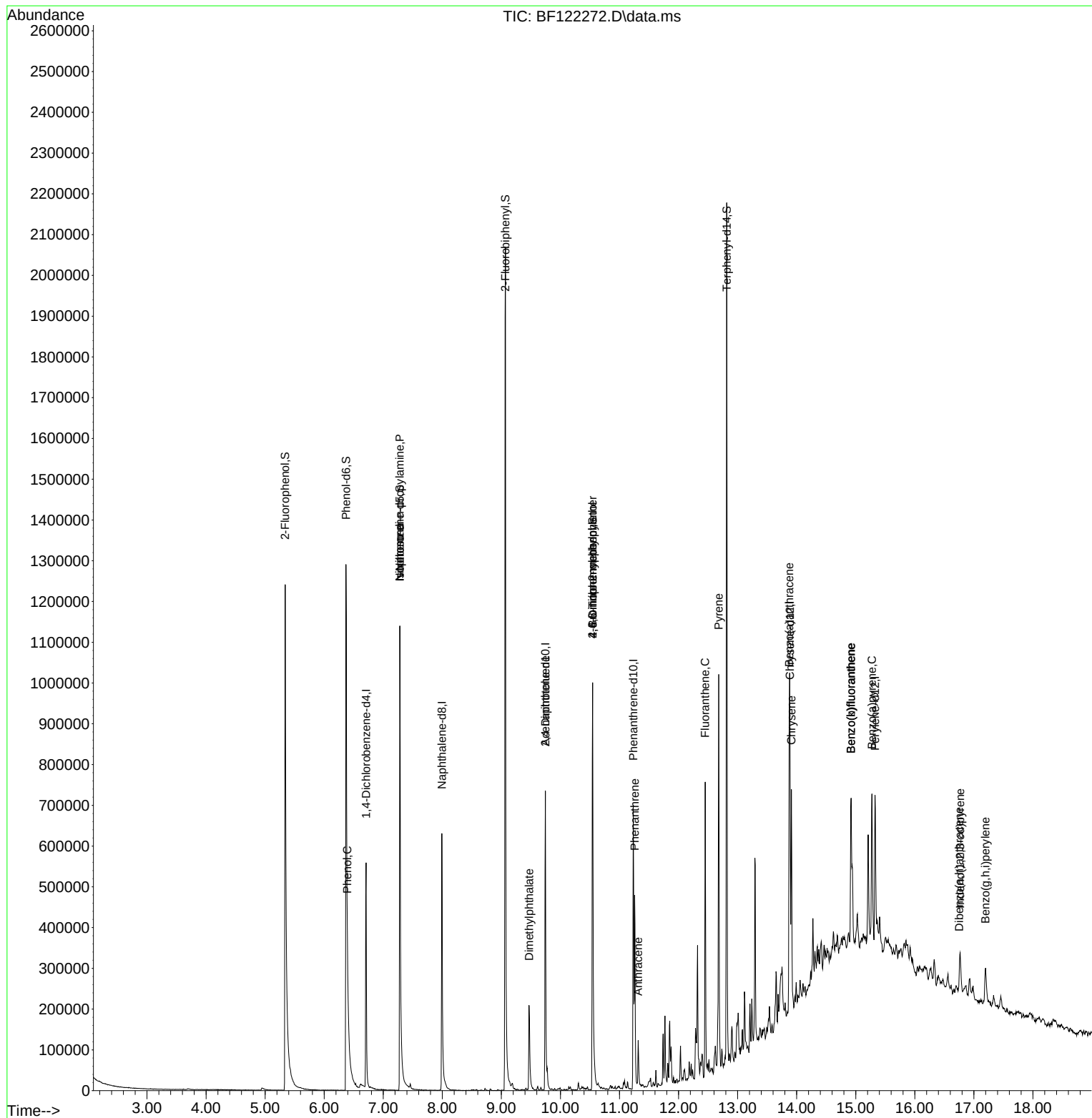
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	87565	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	347608	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	165187	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	265105	20.00	ng	0.00
76) Chrysene-d12	13.886	240	213608	20.00	ng	0.00
86) Perylene-d12	15.327	264	188404	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	565257	95.27	ng	0.00
7) Phenol-d6	6.369	99	711321	93.14	ng	0.00
23) Nitrobenzene-d5	7.281	82	468371	69.10	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	162291	79.42	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	771663	68.73	ng	0.00
79) Terphenyl-d14	12.816	244	613391	54.73	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	1109	Below Cal	#	3
10) Phenol	6.392	94	26853	3.41 ng	#	73
19) n-Nitroso-di-n-propyla...	7.281	70	62207	14.31 ng	#	78
25) Isophorone	7.281	82	468371	36.55 ng	#	67
50) Dimethylphthalate	9.469	163	119898	9.93 ng		100
57) 2,4-Dinitrotoluene	9.745	165	21578	6.62 ng	#	21
65) 4,6-Dinitro-2-methylph...	10.545	198	121	4.49 ng	#	1
67) 4-Bromophenyl-phenylether	10.545	248	9638	3.15 ng	#	1
71) Phenanthrene	11.257	178	186840	12.85 ng		99
72) Anthracene	11.316	178	58500	3.88 ng		99
75) Fluoranthene	12.451	202	262511	16.84 ng		98
78) Pyrene	12.680	202	378120	23.23 ng		99
81) Benzo(a)anthracene	13.874	228	228824	16.35 ng		99
83) Chrysene	13.910	228	200713	14.61 ng		98
87) Indeno(1,2,3-cd)pyrene	16.768	276	74961	6.13 ng		95
88) Benzo(b)fluoranthene	14.921	252	266075	20.89 ng		98
89) Benzo(k)fluoranthene	14.921	252	266075	21.99 ng	#	98
90) Benzo(a)pyrene	15.274	252	179627	16.33 ng		99
91) Dibenzo(a,h)anthracene	16.751	278	23250	2.31 ng	#	86
92) Benzo(g,h,i)perylene	17.198	276	81518	8.09 ng		99

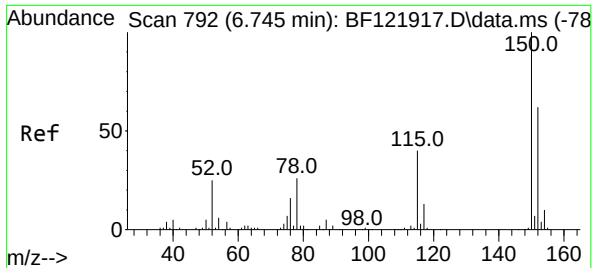
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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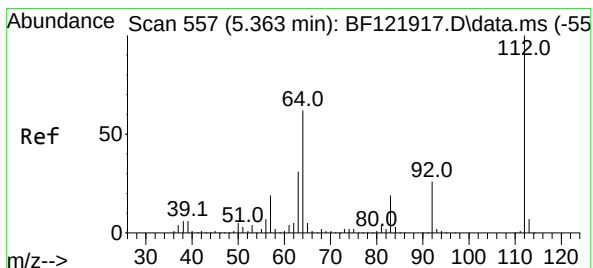
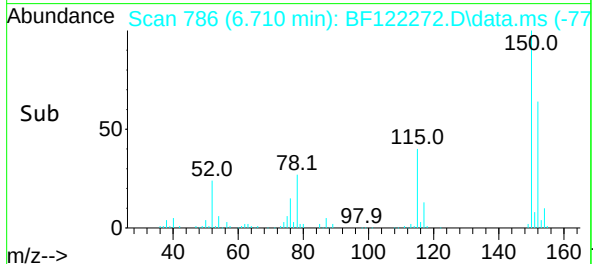
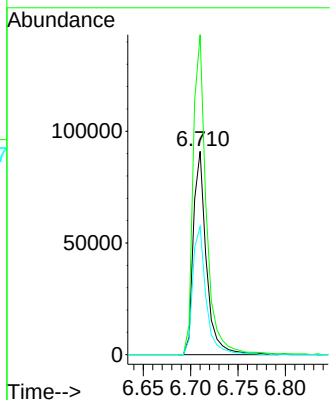
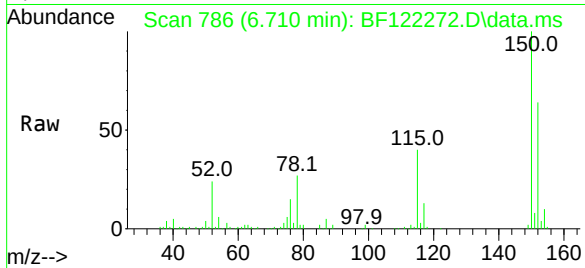




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122272.D
 Acq: 4 Nov 2020 19:46

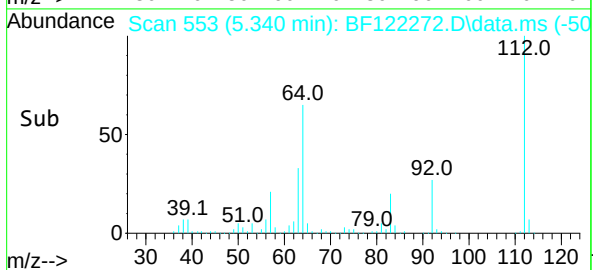
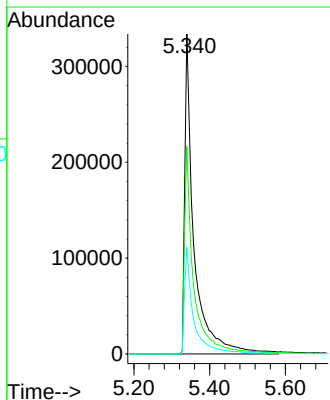
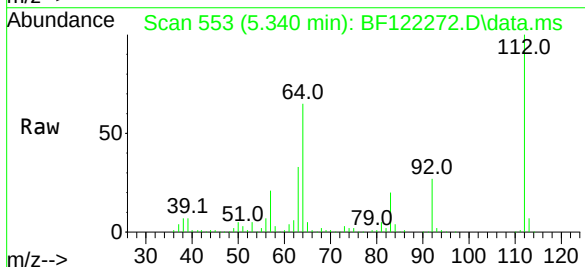
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B8-110320-0-10

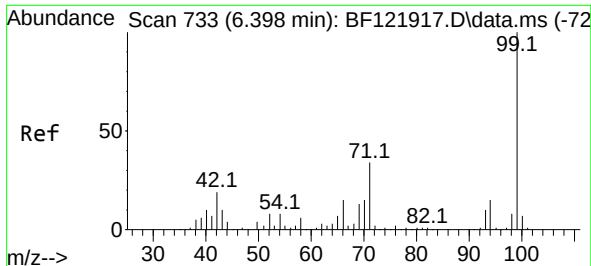
Tgt Ion:152 Resp: 87565
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.3 187.9
 115 63.0 51.9 77.9



#5
 2-Fluorophenol
 Concen: 95.27 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF122272.D
 Acq: 4 Nov 2020 19:46

Tgt Ion:112 Resp: 565257
 Ion Ratio Lower Upper
 112 100
 64 64.8 50.4 75.6
 63 33.3 25.8 38.6

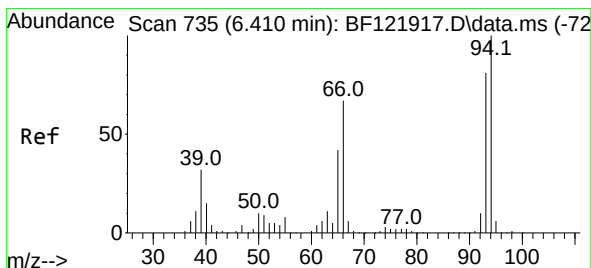
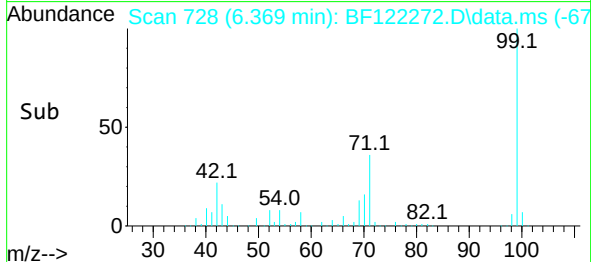
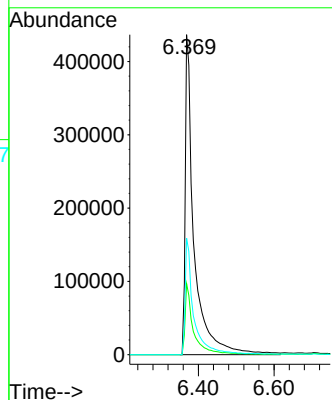
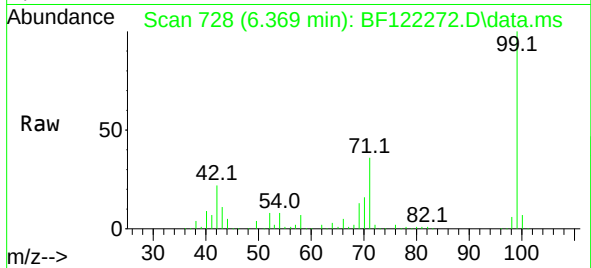




#7
Phenol-d6
Concen: 93.14 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

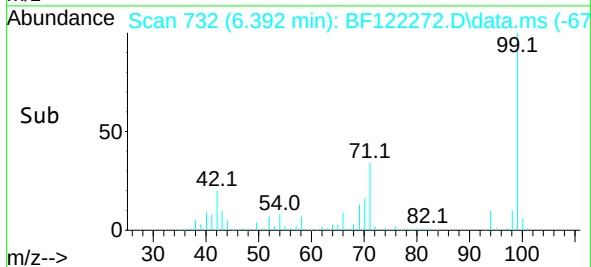
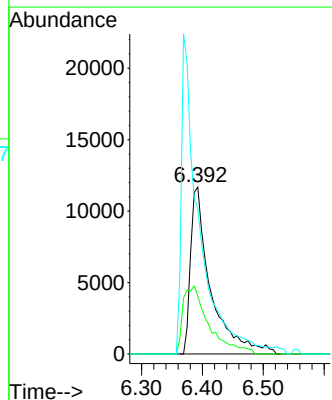
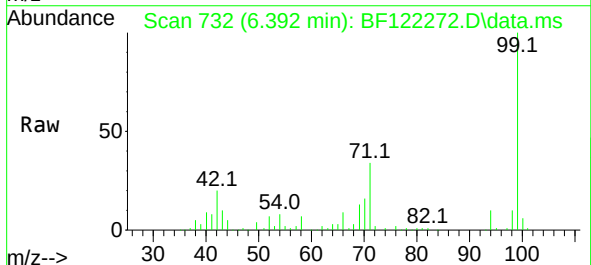
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-0-10

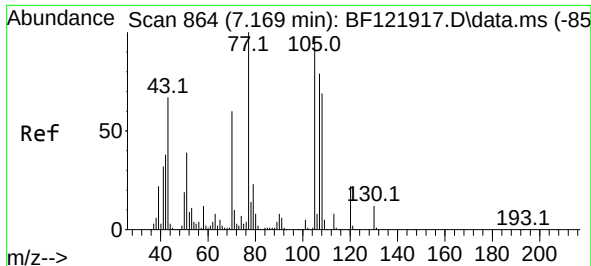
Tgt Ion: 99 Resp: 711321
Ion Ratio Lower Upper
99 100
42 22.2 15.9 23.9
71 36.4 27.1 40.7



#10
Phenol
Concen: 3.41 ng
RT: 6.392 min Scan# 732
Delta R.T. 0.011 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

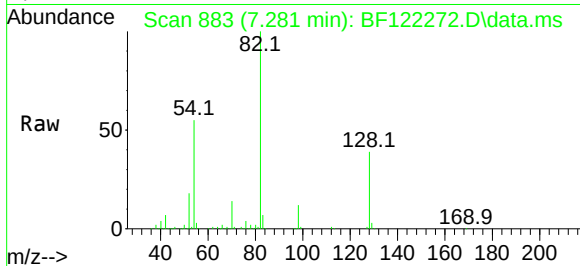
Tgt Ion: 94 Resp: 26853
Ion Ratio Lower Upper
94 100
65 34.6 17.1 57.1
66 87.1 36.0 76.0#



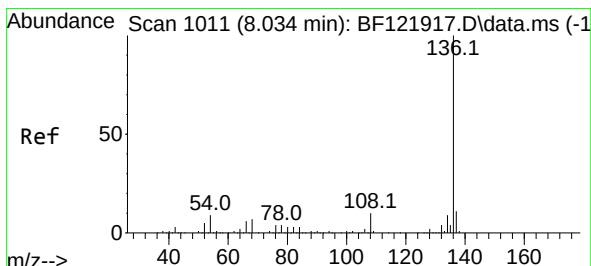
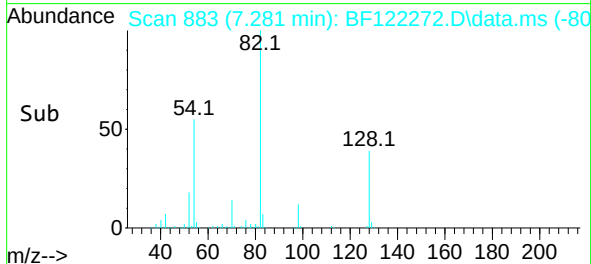
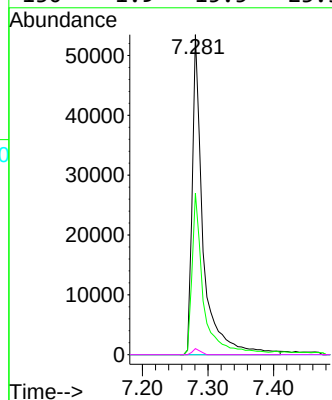


#19
n-Nitroso-di-n-propylamine
Concen: 14.31 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-0-10

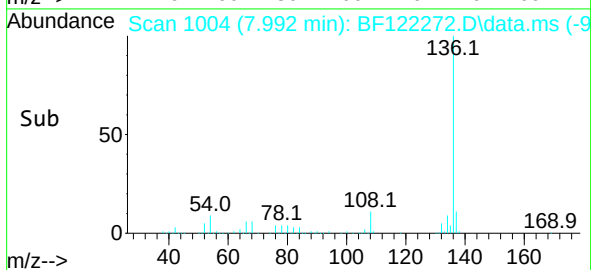
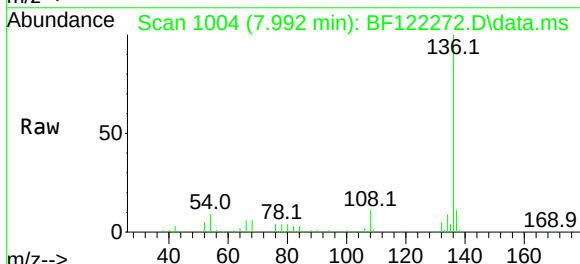
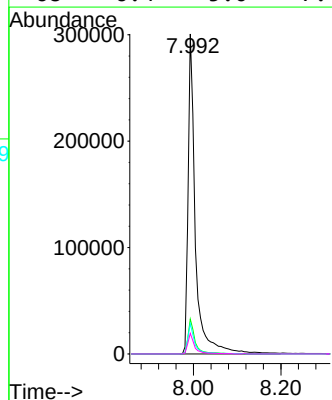


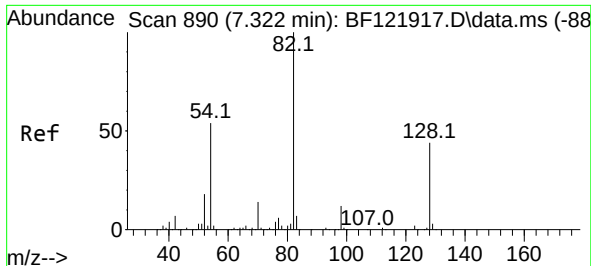
Tgt Ion: 70 Resp: 62207
Ion Ratio Lower Upper
70 100
42 50.5 50.2 75.4
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

Tgt Ion: 136 Resp: 347608
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.4 7.1 10.7
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 69.10 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

Tgt Ion: 82 Resp: 468371

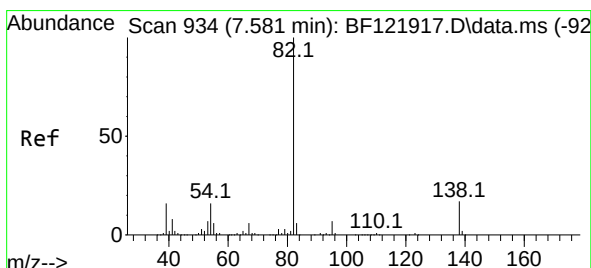
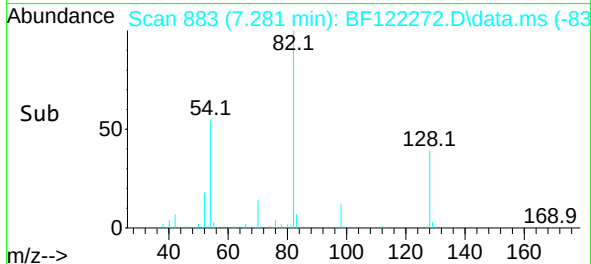
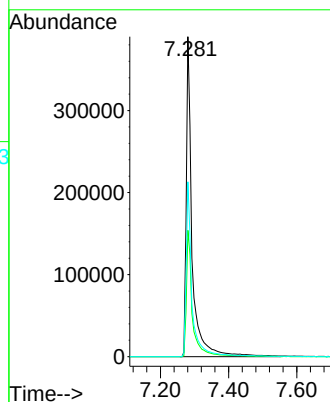
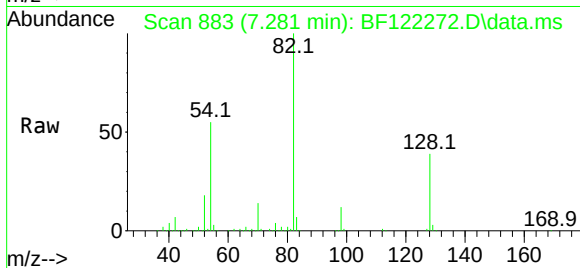
Ion	Ratio	Lower	Upper
82	100		
128	39.5	35.0	52.4
54	54.7	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

PAV-B8-110320-0-10



#25

Isophorone

Concen: 36.55 ng

RT: 7.281 min Scan# 883

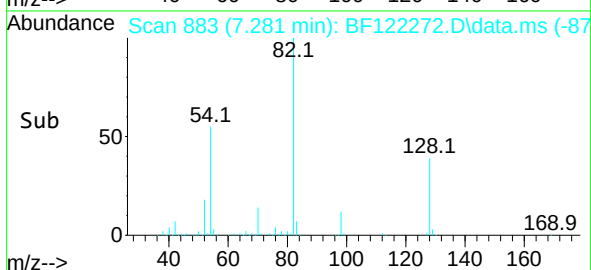
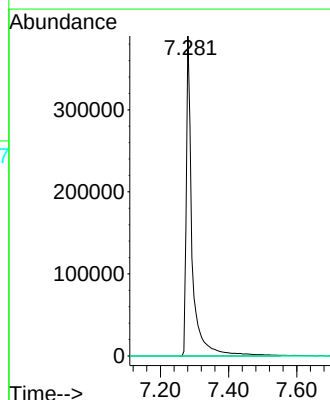
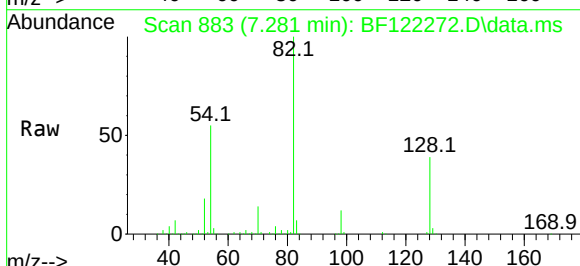
Delta R.T. -0.265 min

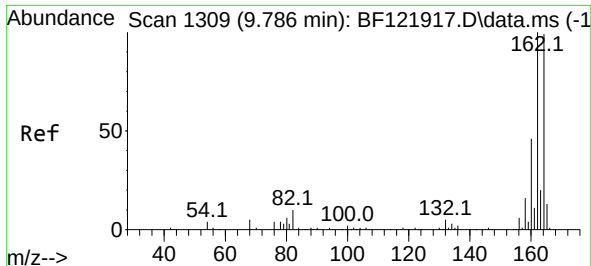
Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

Tgt Ion: 82 Resp: 468371

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

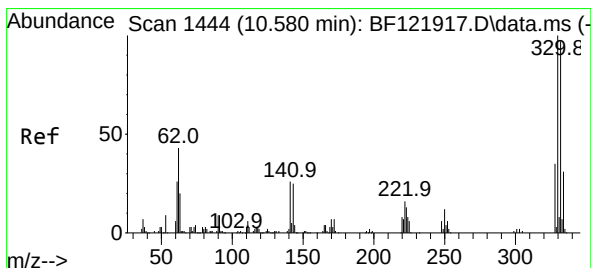
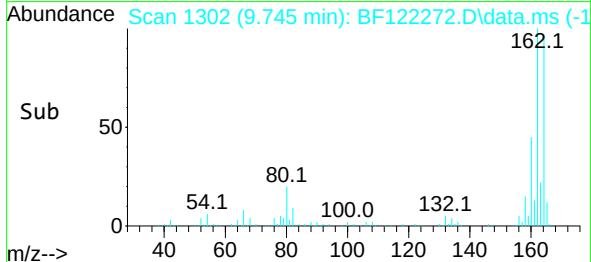
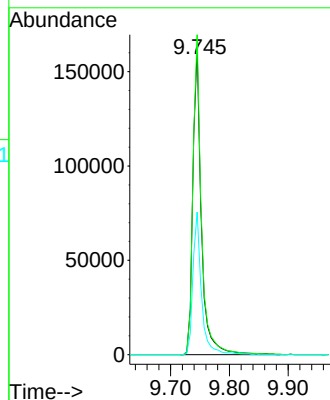
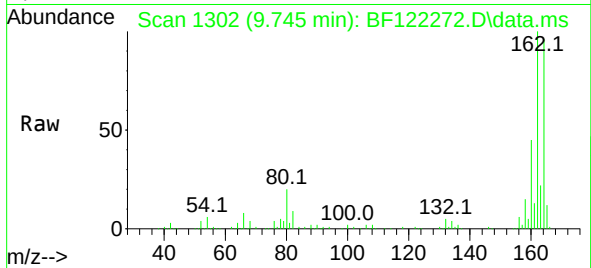




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

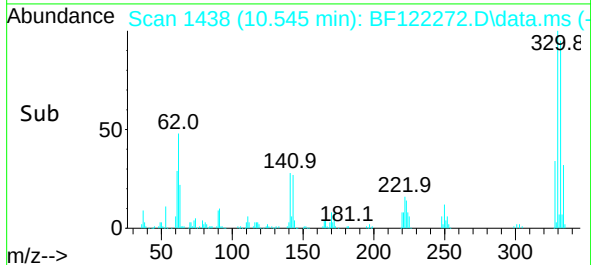
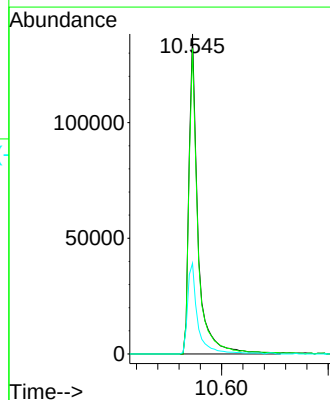
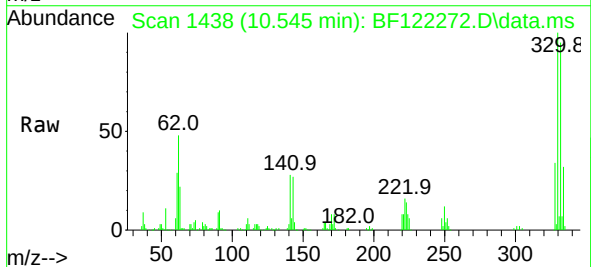
Instrument :
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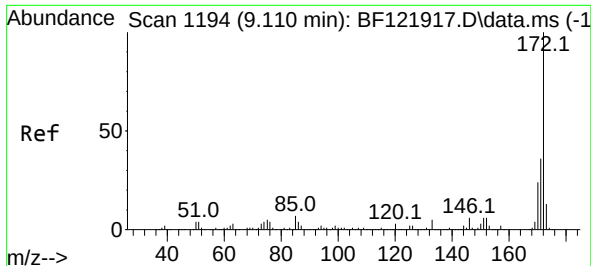
Tgt Ion:164 Resp: 165187
Ion Ratio Lower Upper
164 100
162 104.4 83.2 124.8
160 46.5 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 79.42 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

Tgt Ion:330 Resp: 162291
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 31.9 22.3 33.5

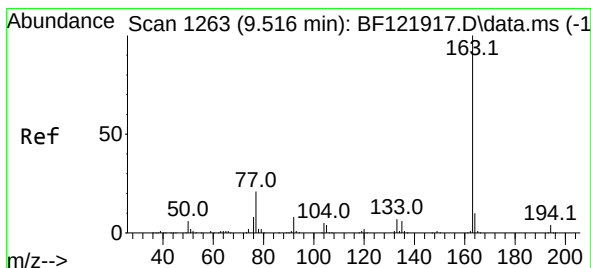
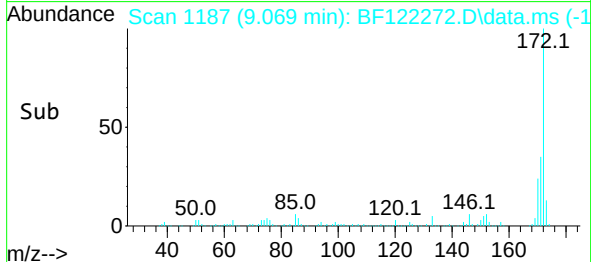
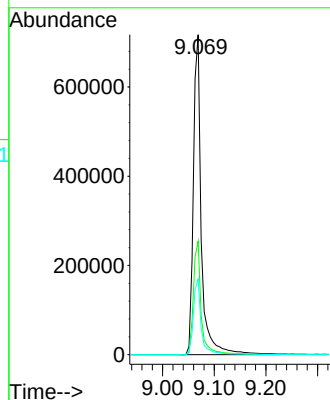
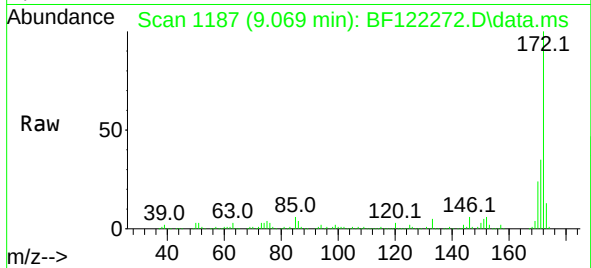




#45
2-Fluorobiphenyl
Concen: 68.73 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

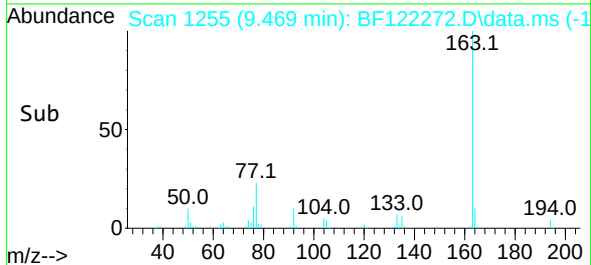
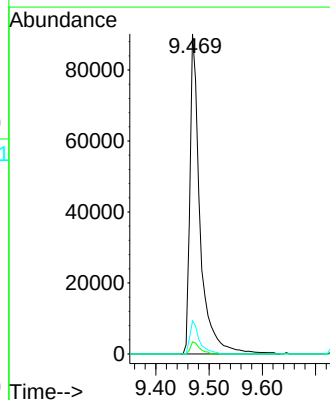
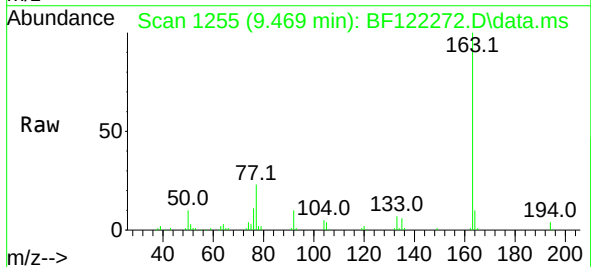
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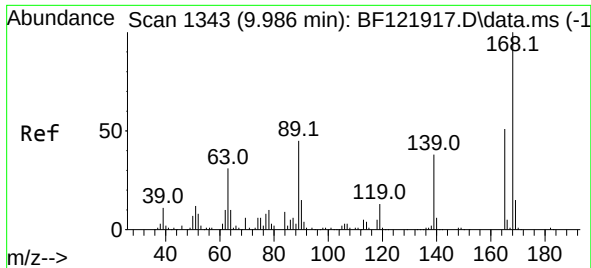
Tgt Ion:172 Resp: 771663
Ion Ratio Lower Upper
172 100
171 35.5 29.1 43.7
170 23.7 19.8 29.6



#50
Dimethylphthalate
Concen: 9.93 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

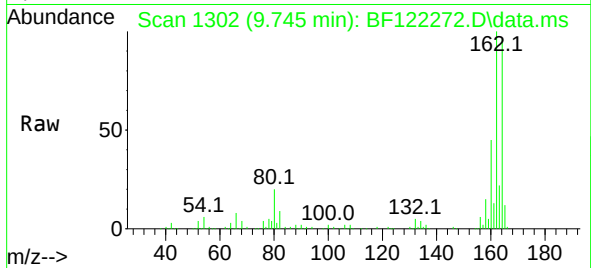
Tgt Ion:163 Resp: 119898
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.4 8.2 12.4



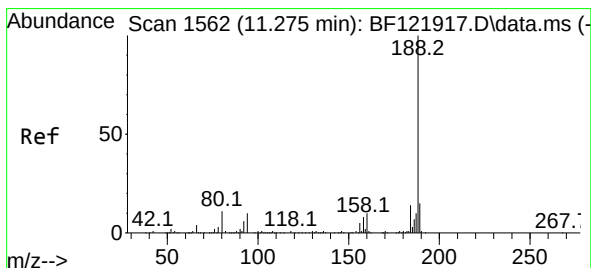
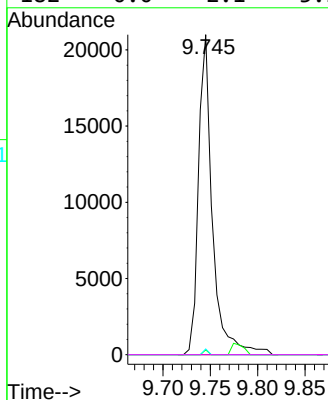
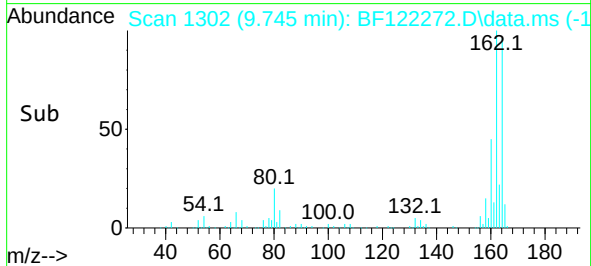


#57
2,4-Dinitrotoluene
Concen: 6.62 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

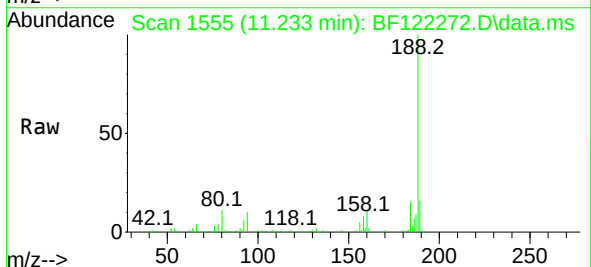
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-0-10



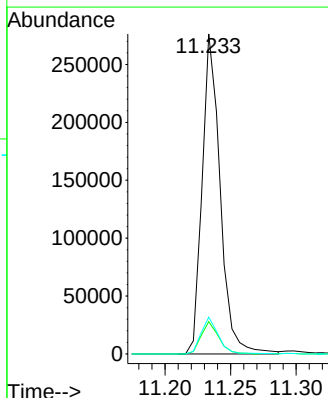
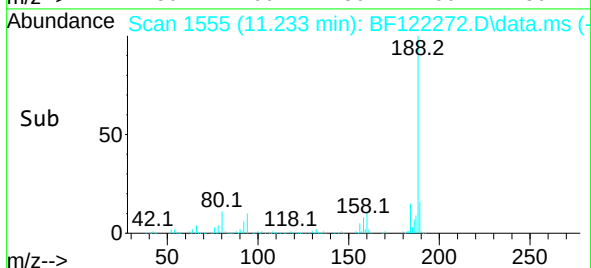
Tgt Ion:	165	Resp:	21578
Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.3	61.9#
89	1.8	61.8	92.8#
182	0.0	2.1	3.1#

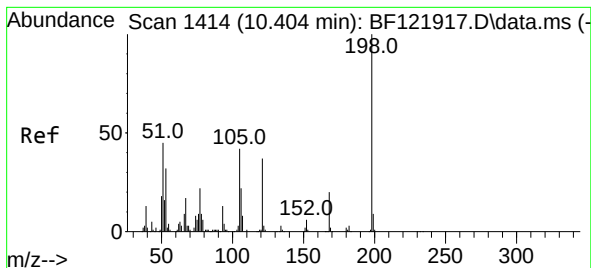


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46



Tgt Ion:	188	Resp:	265105
Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.3	12.5
80	11.5	9.1	13.7

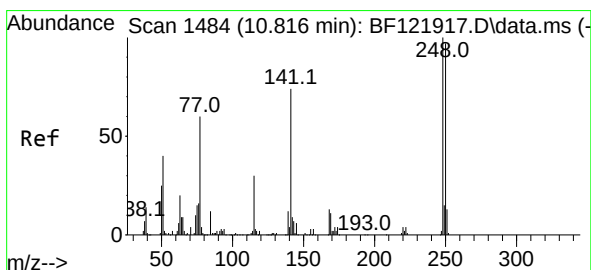
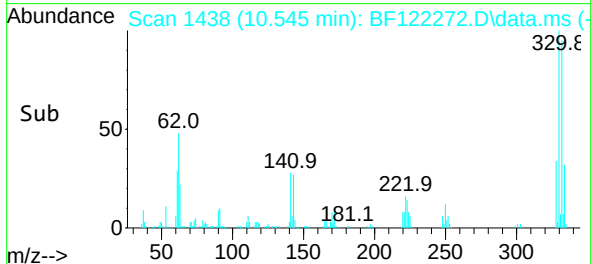
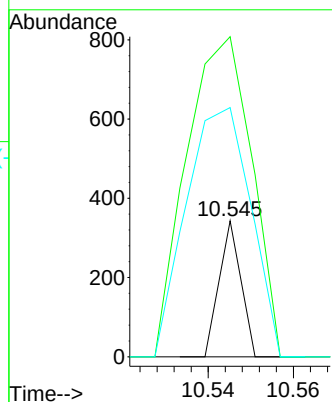
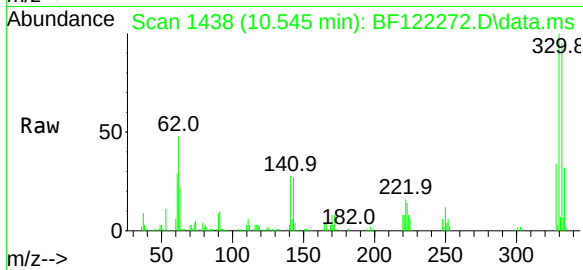




#65
4,6-Dinitro-2-methylphenol
Concen: 4.49 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.171 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

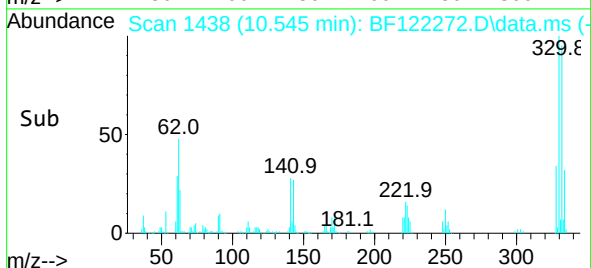
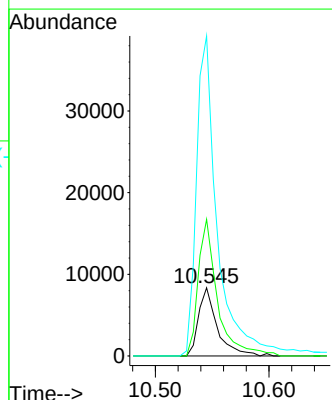
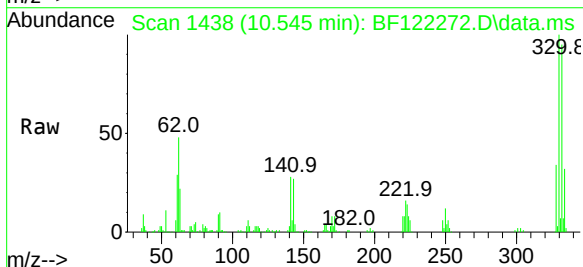
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-0-10

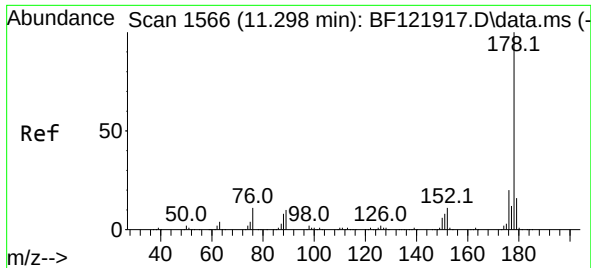
Tgt Ion:198 Resp: 121
Ion Ratio Lower Upper
198 100
51 235.6 29.6 69.6#
105 183.4 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.15 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.229 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

Tgt Ion:248 Resp: 9638
Ion Ratio Lower Upper
248 100
250 200.3 77.0 115.6#
141 469.0 53.7 80.5#

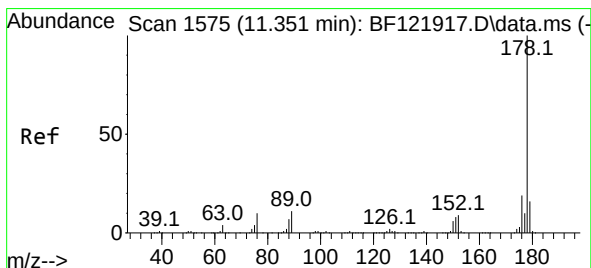
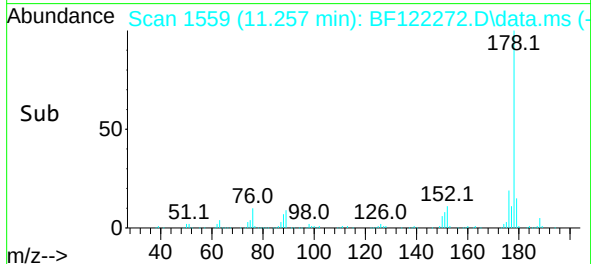
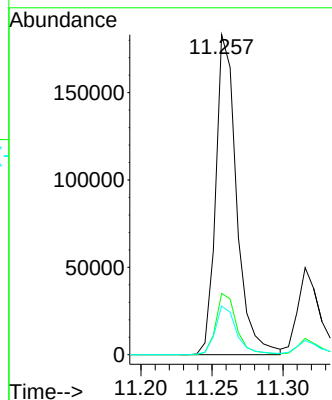
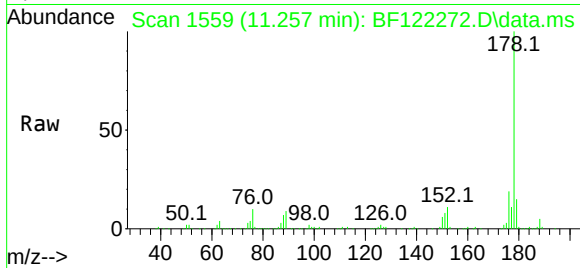




#71
Phenanthrene
Concen: 12.85 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

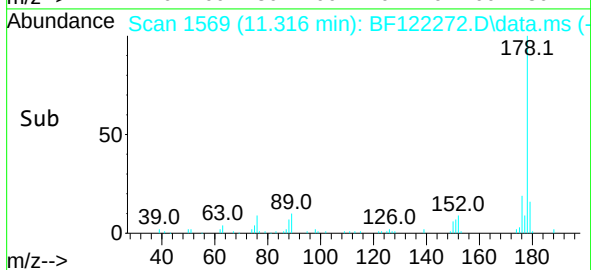
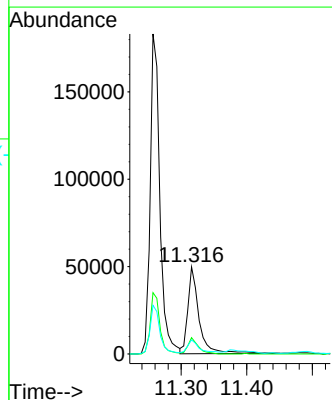
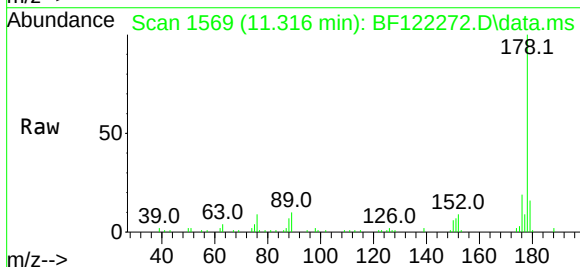
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-0-10

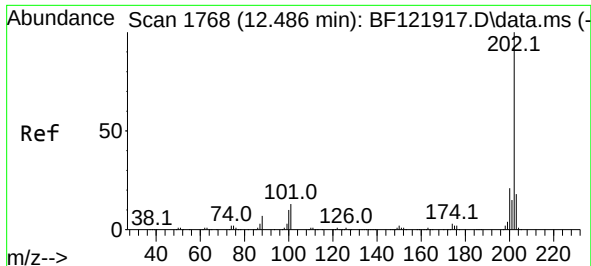
Tgt Ion:178 Resp: 186840
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.2 12.2 18.4



#72
Anthracene
Concen: 3.88 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

Tgt Ion:178 Resp: 58500
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 16.1 12.7 19.1

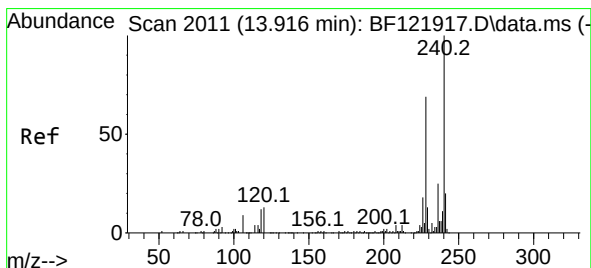
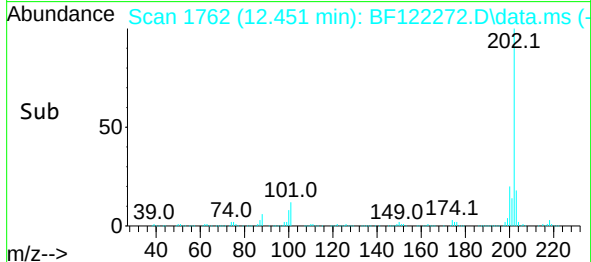
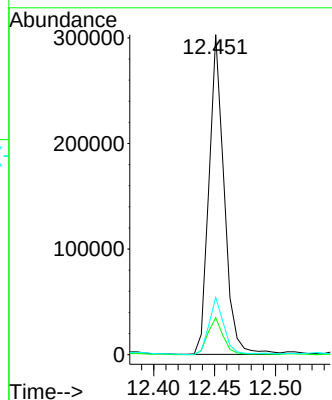
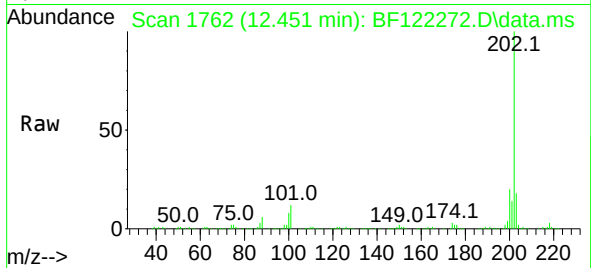




#75
Fluoranthene
Concen: 16.84 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

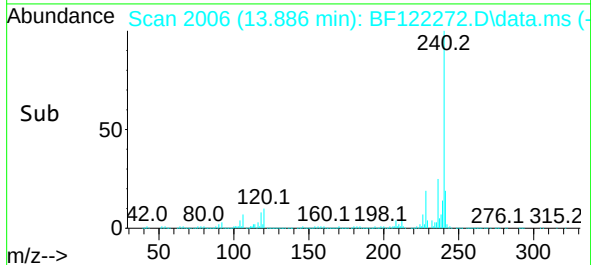
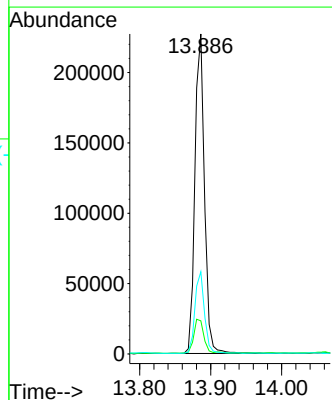
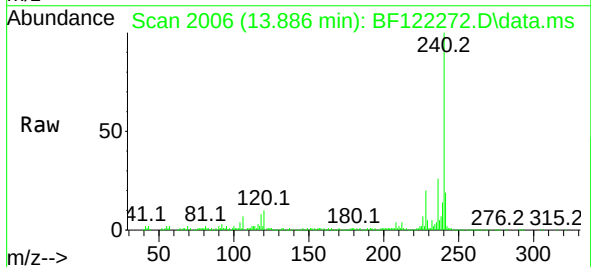
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-0-10

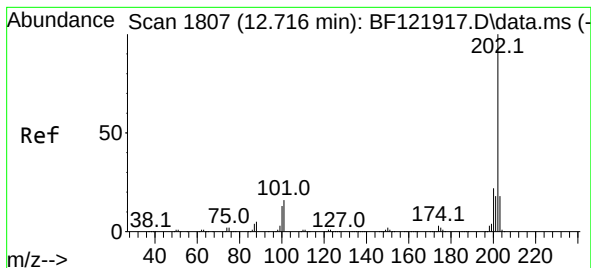
Tgt Ion:202 Resp: 262511
Ion Ratio Lower Upper
202 100
101 11.6 0.0 33.4
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

Tgt Ion:240 Resp: 213608
Ion Ratio Lower Upper
240 100
120 10.3 9.2 13.8
236 25.7 20.9 31.3





#78

Pyrene

Concen: 23.23 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

Tgt Ion:202 Resp: 378120

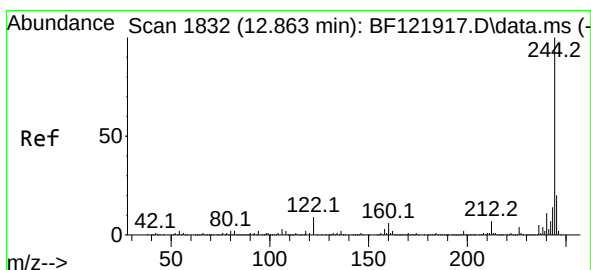
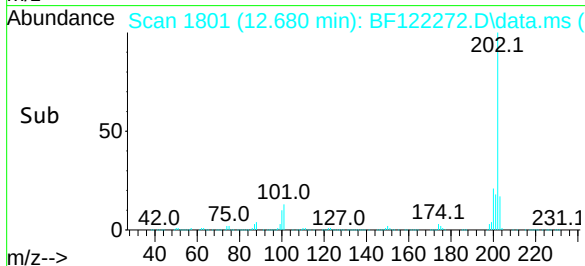
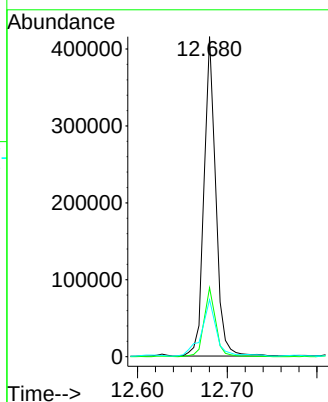
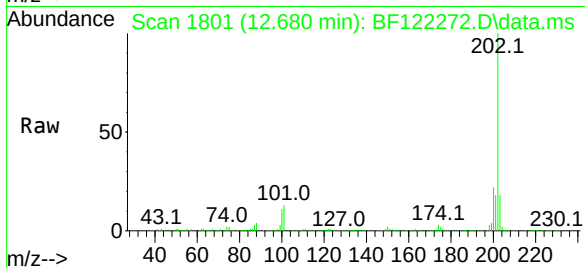
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.6	21.8

Instrument :

BNA_F

ClientSampleId :

PAV-B8-110320-0-10



#79

Terphenyl-d14

Concen: 54.73 ng

RT: 12.816 min Scan# 1824

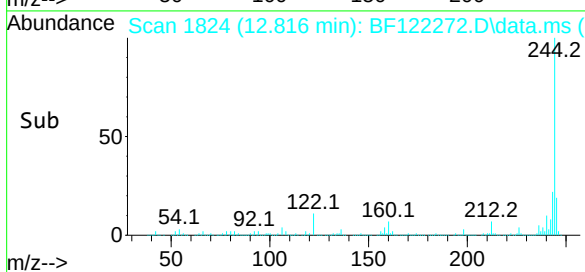
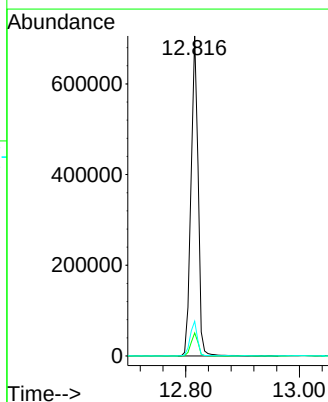
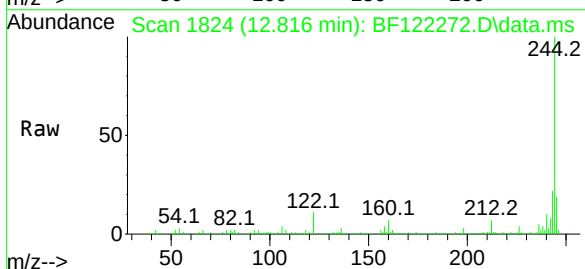
Delta R.T. -0.000 min

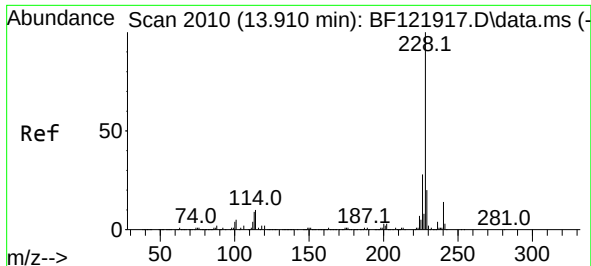
Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

Tgt Ion:244 Resp: 613391

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	10.8	8.1	12.1

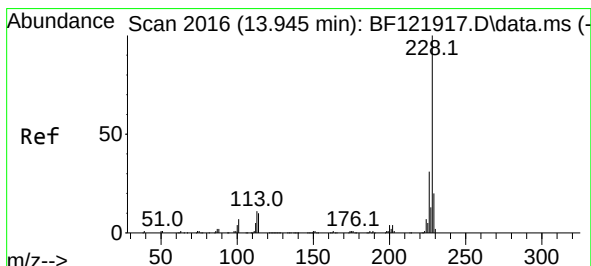
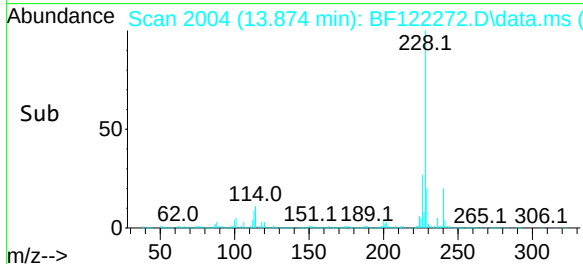
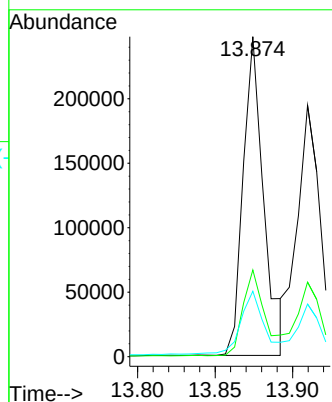
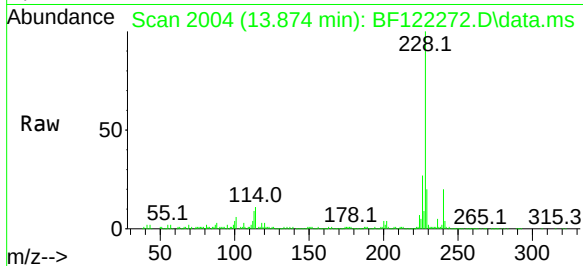




#81
Benzo(a)anthracene
Concen: 16.35 ng
RT: 13.874 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

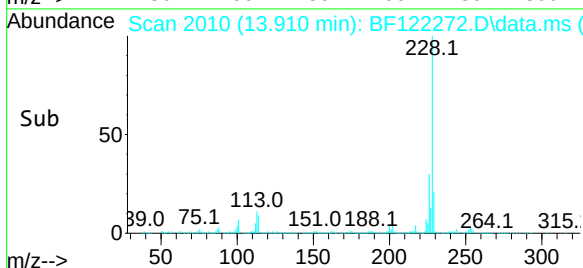
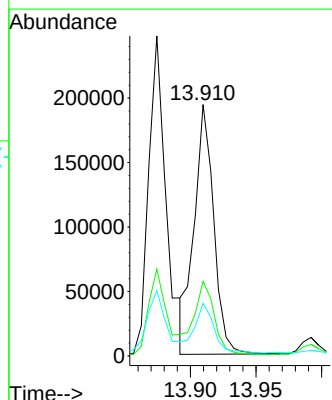
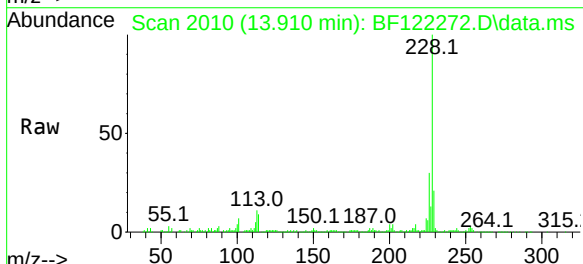
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-0-10

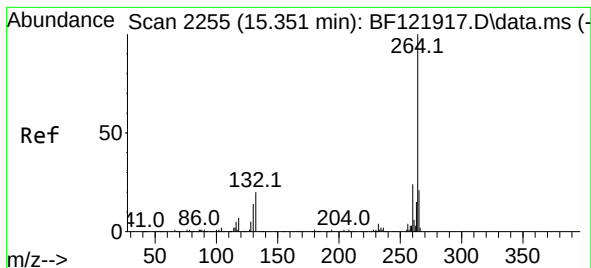
Tgt Ion:228 Resp: 228824
Ion Ratio Lower Upper
228 100
226 27.1 22.3 33.5
229 20.5 16.2 24.4



#83
Chrysene
Concen: 14.61 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122272.D
Acq: 4 Nov 2020 19:46

Tgt Ion:228 Resp: 200713
Ion Ratio Lower Upper
228 100
226 29.7 24.6 37.0
229 20.9 15.9 23.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.023 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

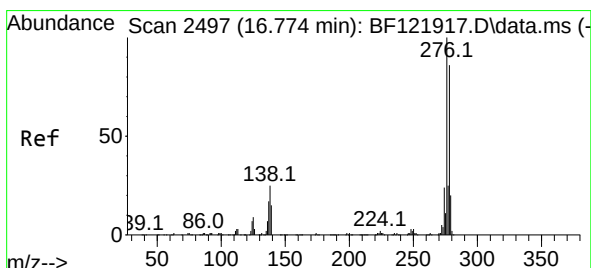
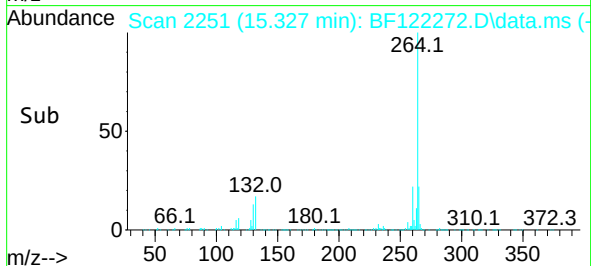
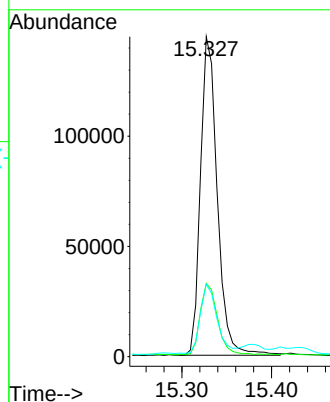
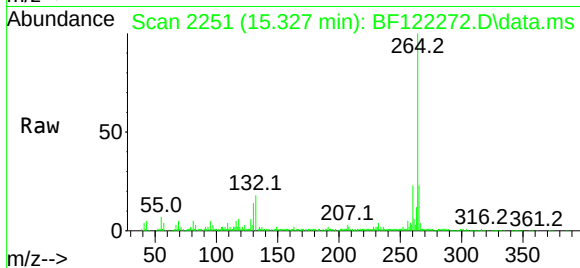
Tgt Ion:264 Resp: 188404

Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

265 22.6 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.13 ng

RT: 16.768 min Scan# 2496

Delta R.T. 0.053 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

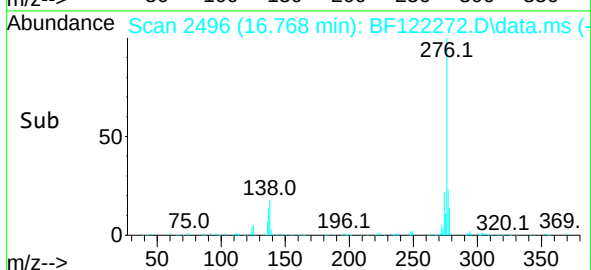
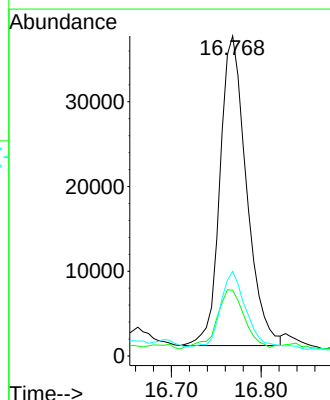
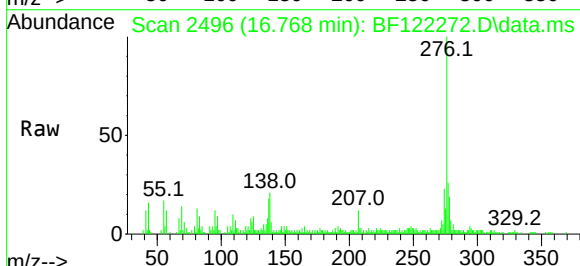
Tgt Ion:276 Resp: 74961

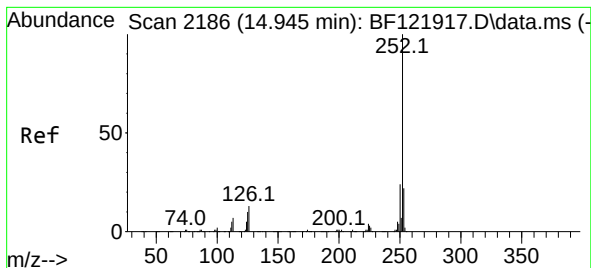
Ion Ratio Lower Upper

276 100

138 20.6 19.9 29.9

277 25.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 20.89 ng

RT: 14.921 min Scan# 2182

Delta R.T. 0.023 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

Tgt Ion:252 Resp: 266075

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

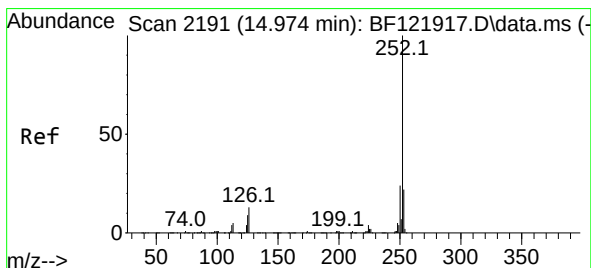
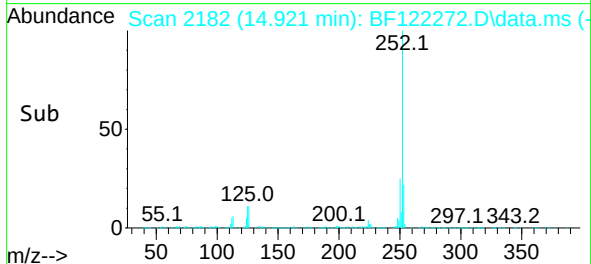
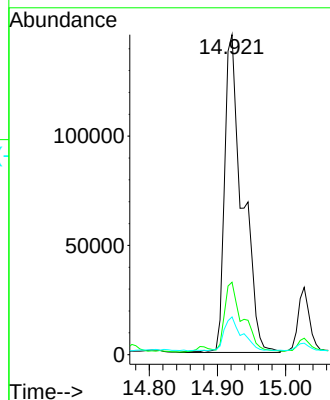
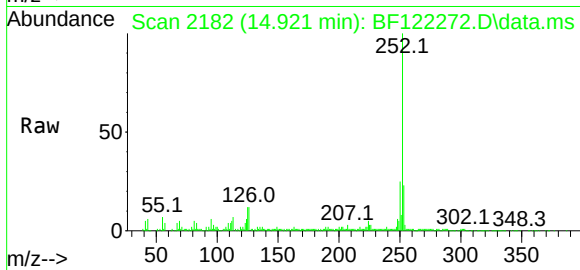
125 11.8 8.0 12.0

Instrument :

BNA_F

ClientSampleId :

PAV-B8-110320-0-10



#89

Benzo(k)fluoranthene

Concen: 21.99 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

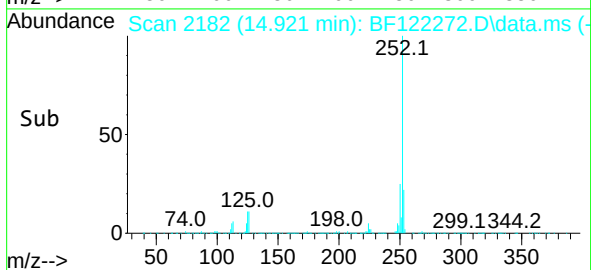
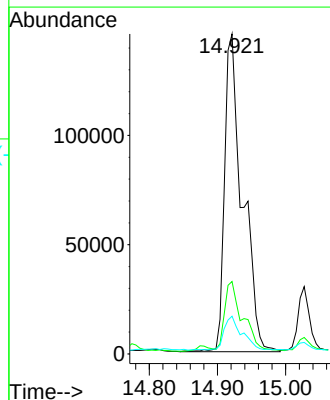
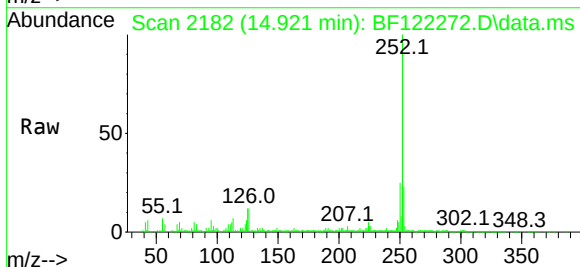
Tgt Ion:252 Resp: 266075

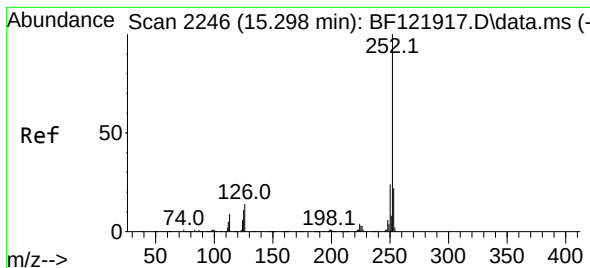
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 11.8 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 16.33 ng

RT: 15.274 min Scan# 2242

Delta R.T. 0.023 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

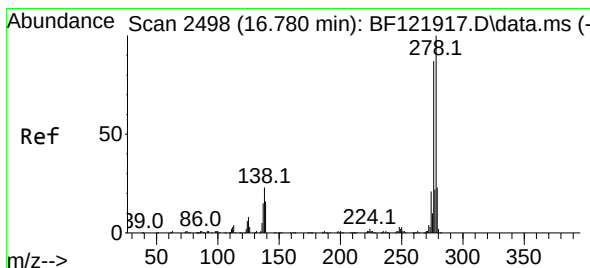
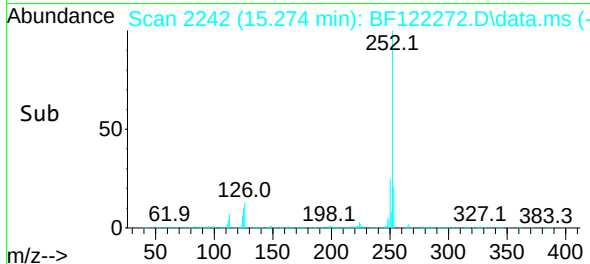
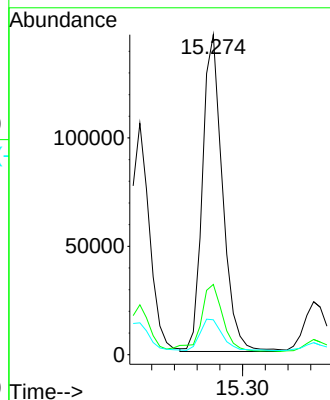
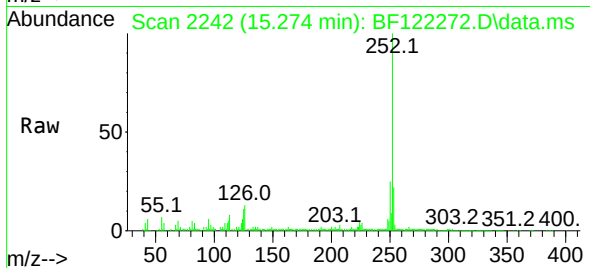
Tgt Ion:252 Resp: 179627

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.9 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 2.31 ng

RT: 16.751 min Scan# 2493

Delta R.T. 0.035 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

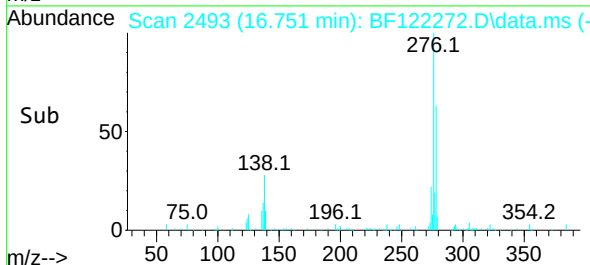
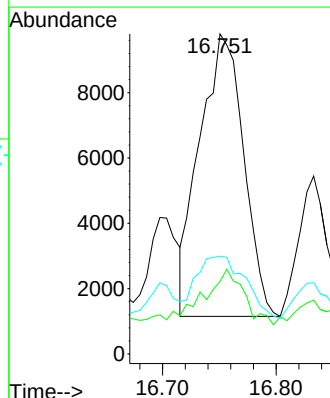
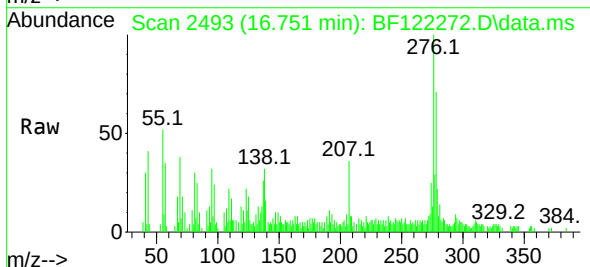
Tgt Ion:278 Resp: 23250

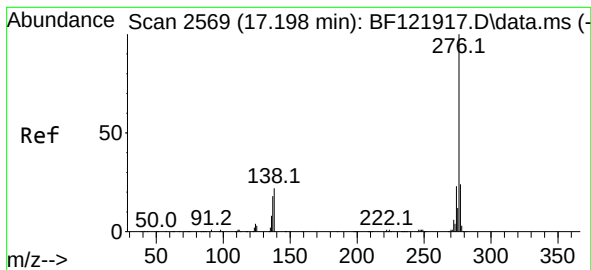
Ion Ratio Lower Upper

278 100

139 22.7 13.0 19.4#

279 30.5 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 8.09 ng

RT: 17.198 min Scan# 2569

Delta R.T. 0.065 min

Lab File: BF122272.D

Acq: 4 Nov 2020 19:46

Tgt Ion: 276 Resp: 81518

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.2

138 21.8 17.8 26.6

