

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102820\
 Data File : BF122147.D
 Acq On : 28 Oct 2020 14:52
 Operator : JU/CG
 Sample : L4537-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

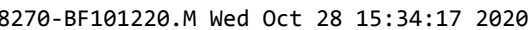
Quant Time: Oct 28 15:34:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	91306	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	366992	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	186798	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	340127	20.00	ng	0.00
76) Chrysene-d12	13.880	240	220200	20.00	ng	0.00
86) Perylene-d12	15.316	264	205375	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	594691	96.13	ng	0.00
7) Phenol-d6	6.369	99	747382	93.85	ng	0.00
23) Nitrobenzene-d5	7.287	82	476433	66.58	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	205135	88.78	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	663650	52.27	ng	0.00
79) Terphenyl-d14	12.816	244	529555	45.83	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1671	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.287	70	65271	14.40	ng	# 78
25) Isophorone	7.287	82	476429	35.21	ng	# 67
50) Dimethylphthalate	9.469	163	151488	11.09	ng	99
57) 2,4-Dinitrotoluene	9.745	165	23803	6.45	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.539	198	299	4.55	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	12362	3.15	ng	# 1
71) Phenanthrene	11.257	178	186679	10.01	ng	98
72) Anthracene	11.316	178	53397	2.76	ng	98
75) Fluoranthene	12.451	202	158439	7.92	ng	97
78) Pyrene	12.680	202	254897	15.19	ng	99
81) Benzo(a)anthracene	13.869	228	85252	5.91	ng	98
83) Chrysene	13.904	228	77892	5.50	ng	97
88) Benzo(b)fluoranthene	14.910	252	72364	5.21	ng	# 94
89) Benzo(k)fluoranthene	14.910	252	72364	5.49	ng	# 93
90) Benzo(a)pyrene	15.257	252	48930	4.08	ng	# 96
92) Benzo(g,h,i)perylene	17.162	276	24391	2.22	ng	96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 26 17:27:32 2020
Response via : Initial Calibration

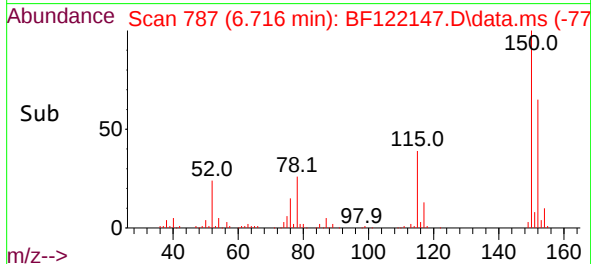
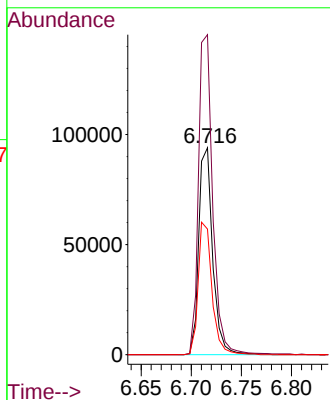
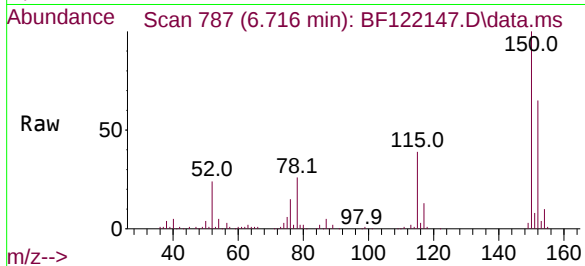




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.716 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF122147.D
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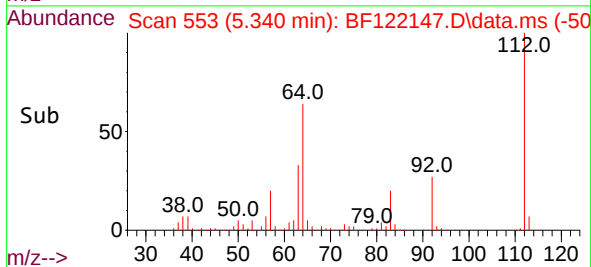
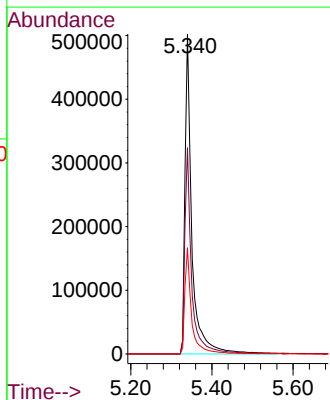
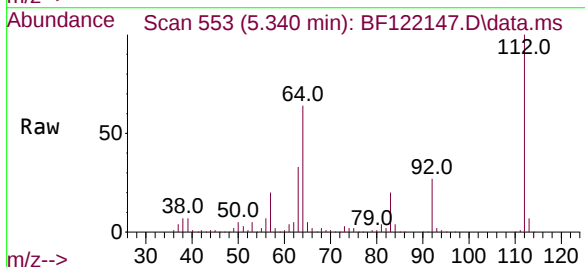
Instrument :
BNA_F
ClientSampled :
S-1

Tgt Ion:152 Resp: 91306
Ion Ratio Lower Upper
152 100
150 154.6 125.3 187.9
115 60.7 51.9 77.9



#5
2-Fluorophenol
Concen: 96.13 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:112 Resp: 594691
Ion Ratio Lower Upper
112 100
64 64.4 50.4 75.6
63 33.2 25.8 38.6

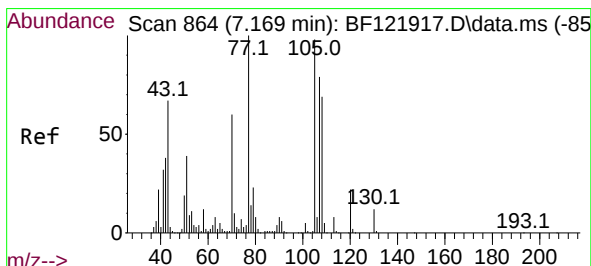
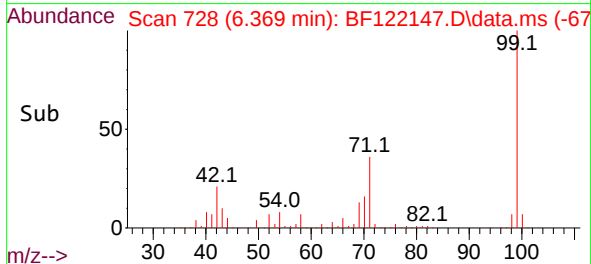
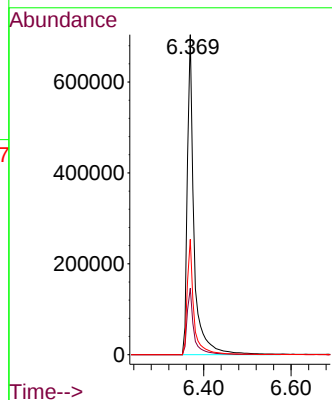
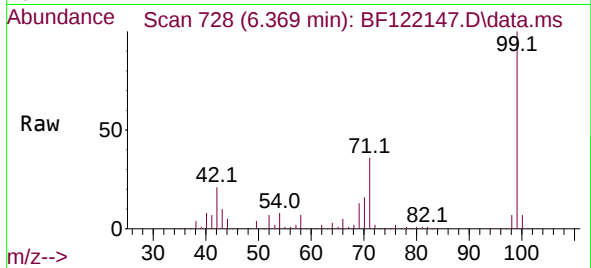




#7
Phenol-d6
Concen: 93.85 ng
RT: 6.369 min Scan# 728
Delta R.T. 0.000 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

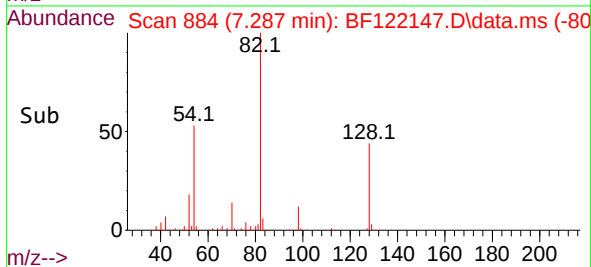
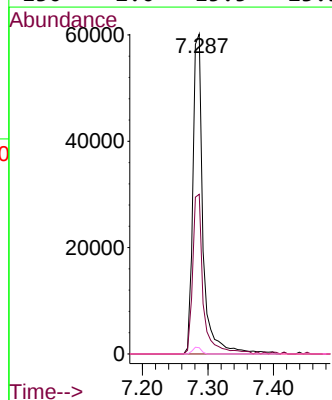
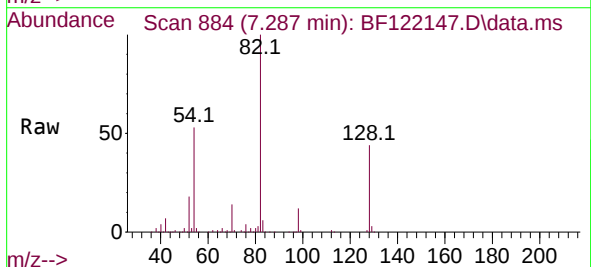
Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion: 99 Resp: 747382
Ion Ratio Lower Upper
99 100
42 20.7 15.9 23.9
71 36.0 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.40 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.147 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

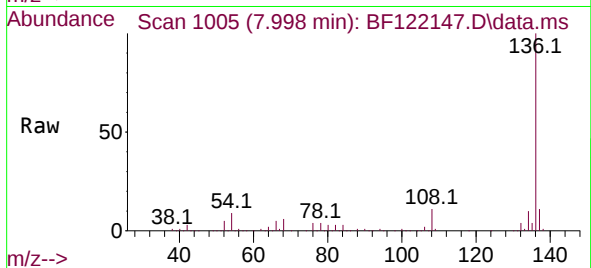
Tgt Ion: 70 Resp: 65271
Ion Ratio Lower Upper
70 100
42 49.9 50.2 75.4#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



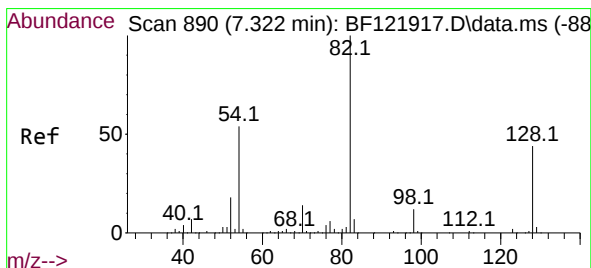
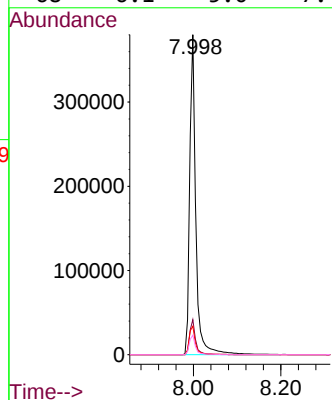
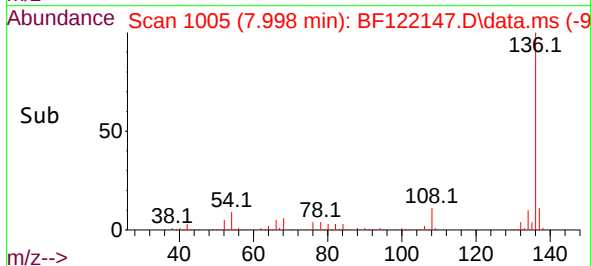


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

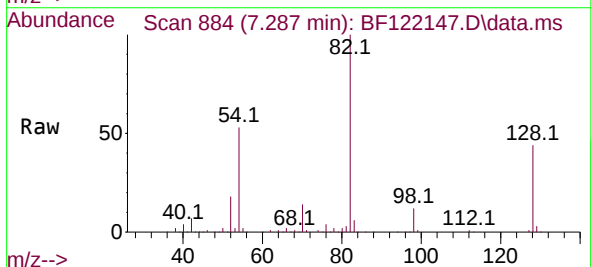
Instrument :
BNA_F
ClientSampled :
S-1



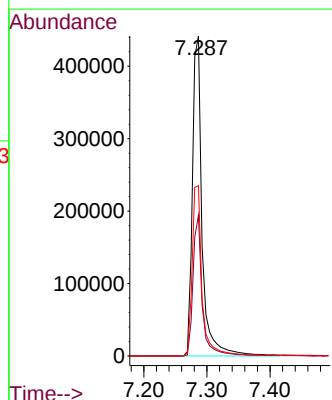
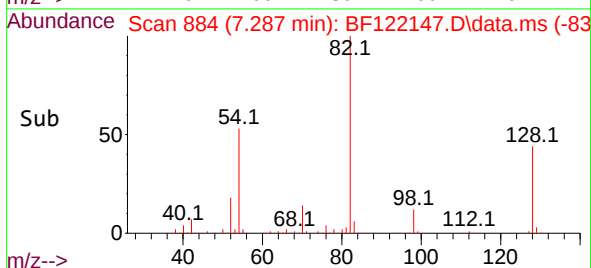
Tgt Ion:136 Resp: 366992
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.9 7.1 10.7
68 6.1 5.0 7.4



#23
Nitrobenzene-d5
Concen: 66.58 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52



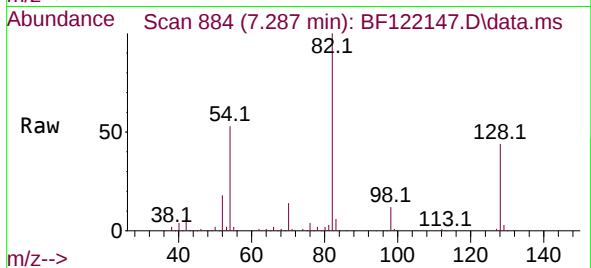
Tgt Ion: 82 Resp: 476433
Ion Ratio Lower Upper
82 100
128 43.9 35.0 52.4
54 53.2 43.9 65.9



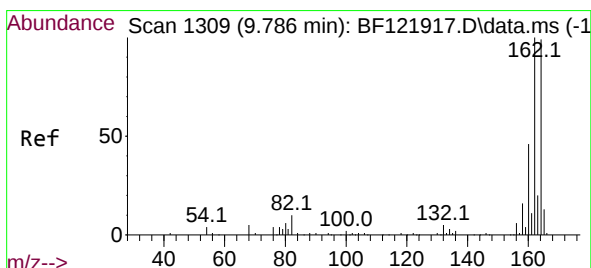
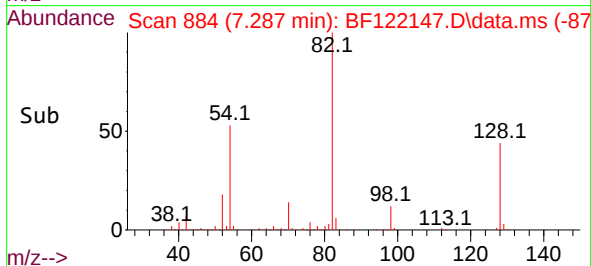
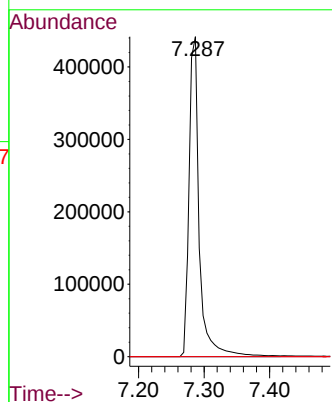


#25
Isophorone
Concen: 35.21 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.259 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Instrument :
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ClientSampleId :
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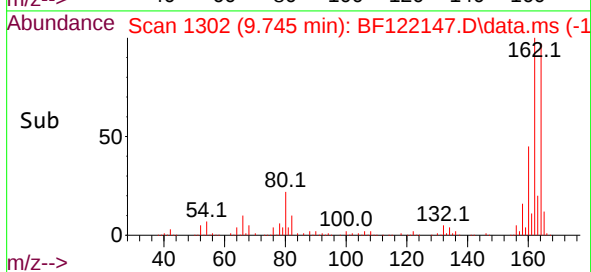
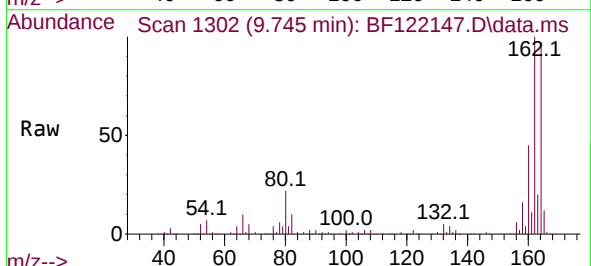
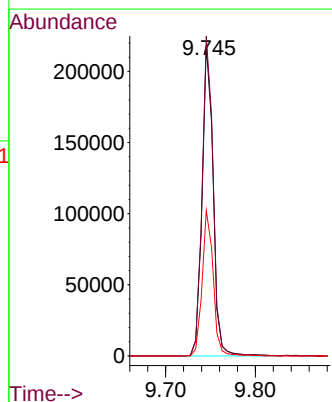


Tgt Ion: 82 Resp: 476429
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

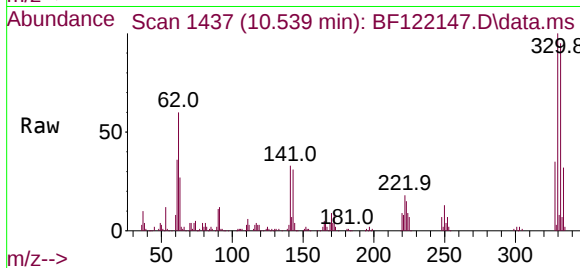
Tgt Ion: 164 Resp: 186798
Ion Ratio Lower Upper
164 100
162 103.0 83.2 124.8
160 46.8 37.5 56.3



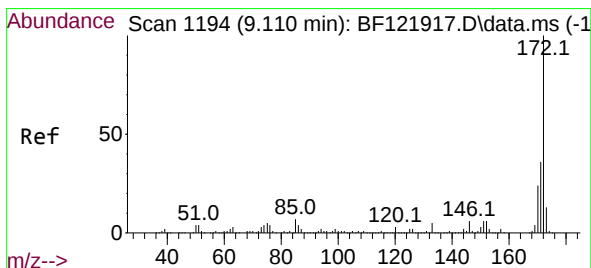
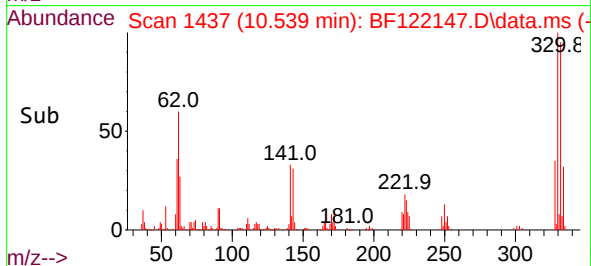
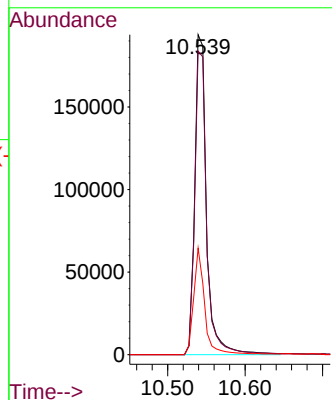


#42
2,4,6-Tribromophenol
Concen: 88.78 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Instrument :
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ClientSampleId :
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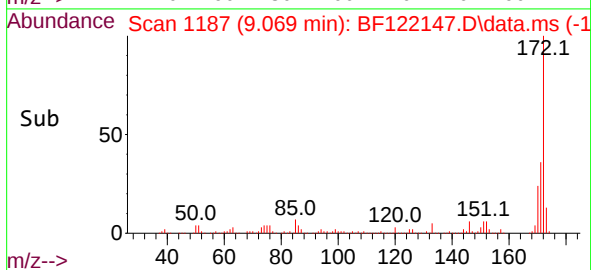
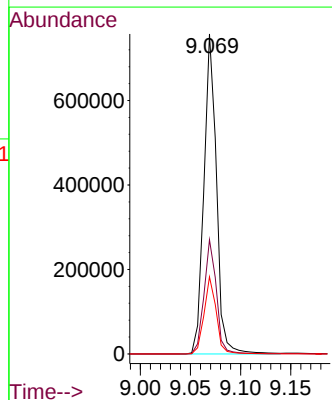
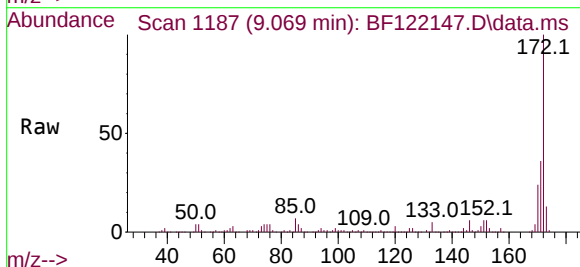


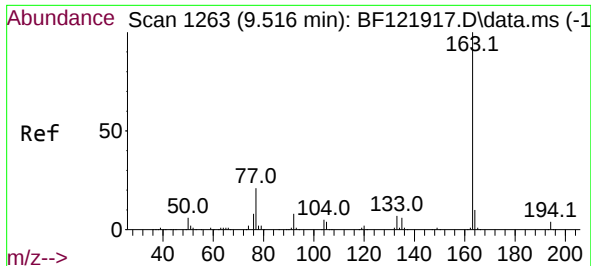
Tgt Ion:330 Resp: 205135
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 31.3 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 52.27 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:172 Resp: 663650
Ion Ratio Lower Upper
172 100
171 35.7 29.1 43.7
170 24.1 19.8 29.6

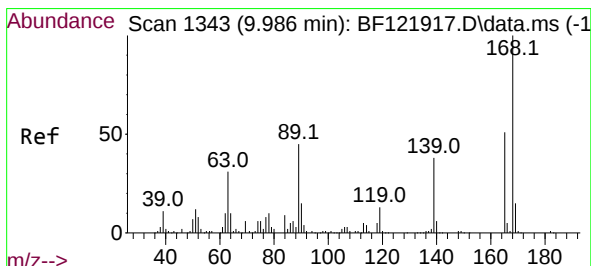
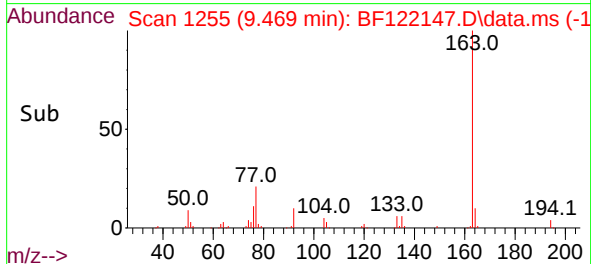
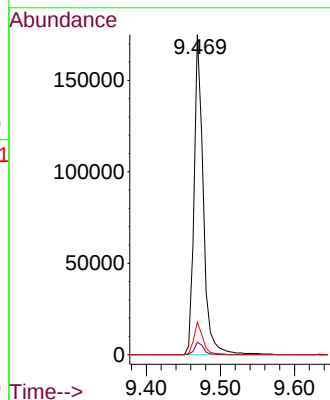
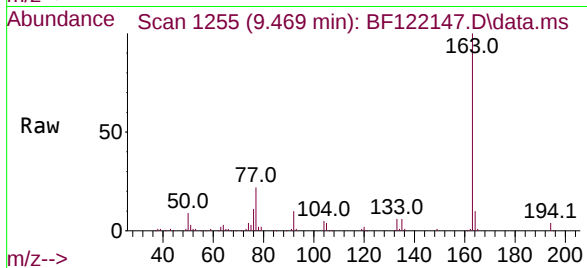




#50
Dimethylphthalate
Concen: 11.09 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

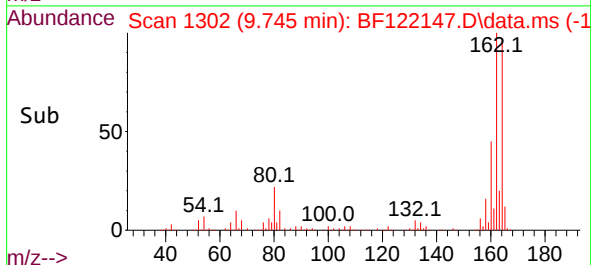
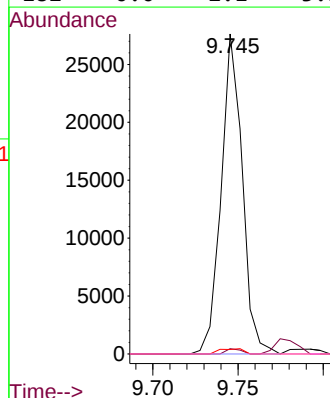
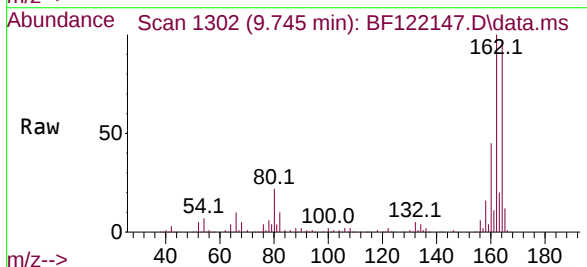
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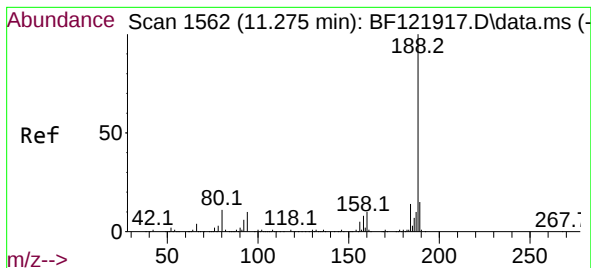
Tgt Ion:163 Resp: 151488
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.1 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:165 Resp: 23803
Ion Ratio Lower Upper
165 100
63 1.7 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#

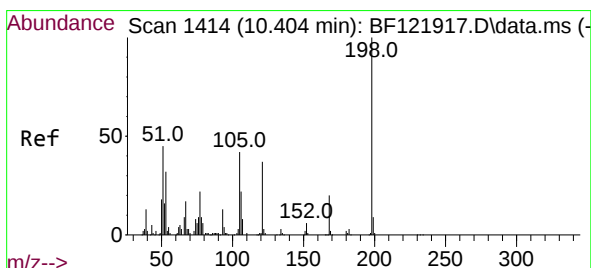
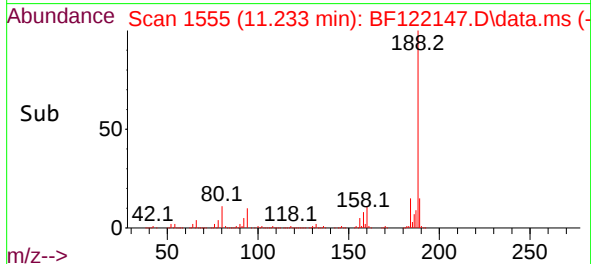
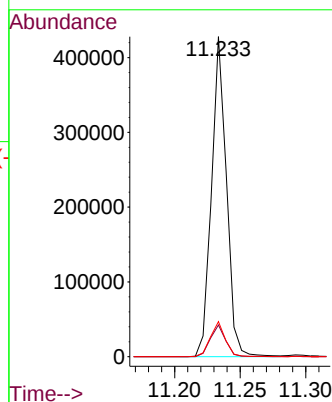
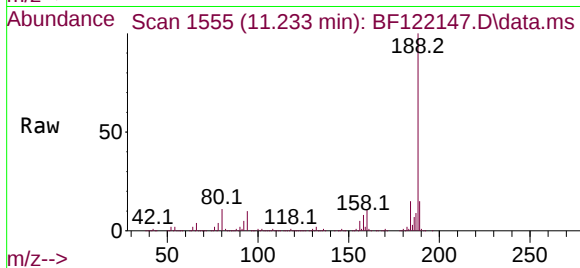




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

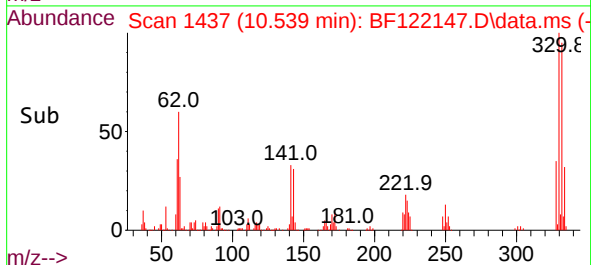
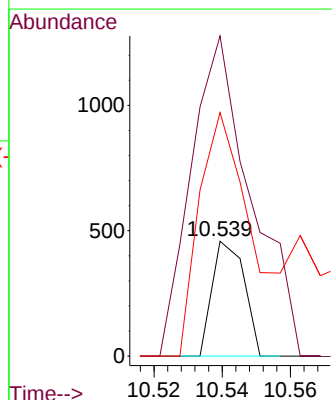
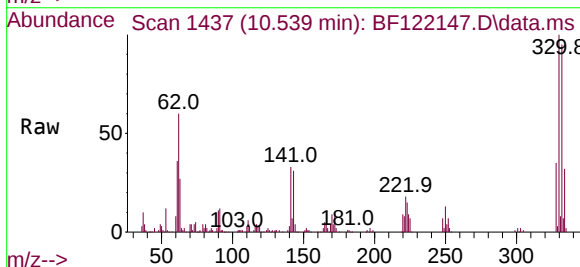
Instrument :
BNA_F
ClientSampled :
S-1

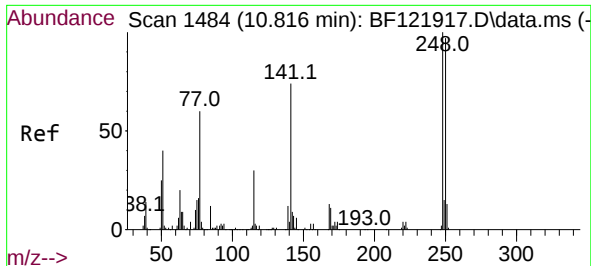
Tgt Ion:188 Resp: 340127
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.9 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.55 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:198 Resp: 299
Ion Ratio Lower Upper
198 100
51 278.8 29.6 69.6#
105 212.0 24.4 64.4#

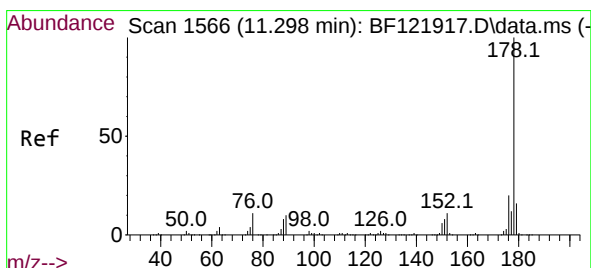
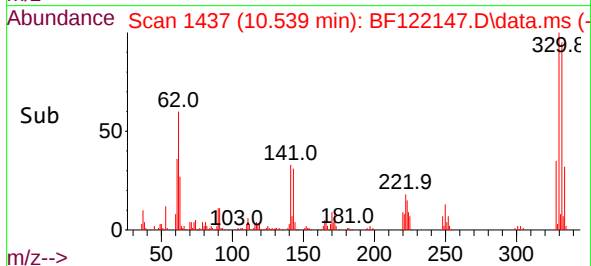
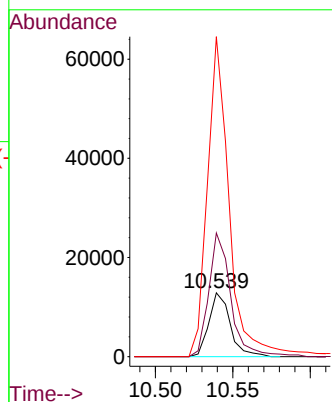
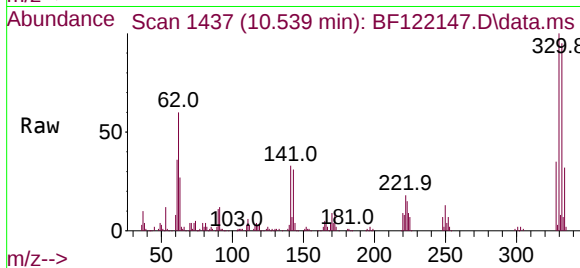




#67
4-Bromophenyl-phenylether
Concen: 3.15 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

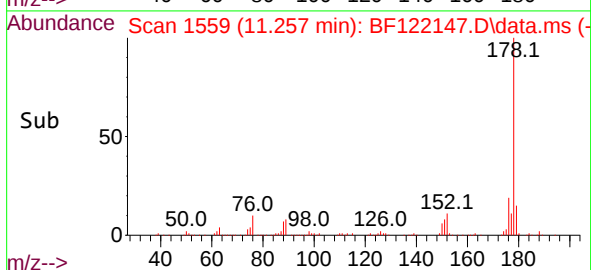
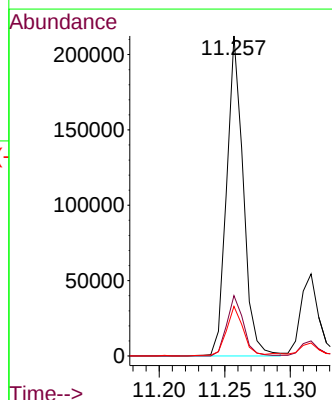
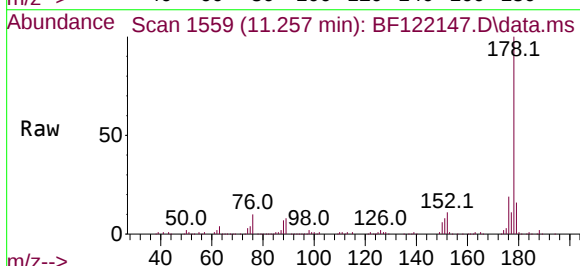
Instrument :
BNA_F
ClientSampled :
S-1

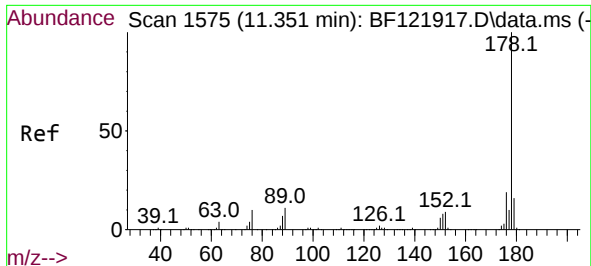
Tgt Ion:248 Resp: 12362
Ion Ratio Lower Upper
248 100
250 193.5 77.0 115.6#
141 500.8 53.7 80.5#



#71
Phenanthrene
Concen: 10.01 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:178 Resp: 186679
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.5 12.2 18.4

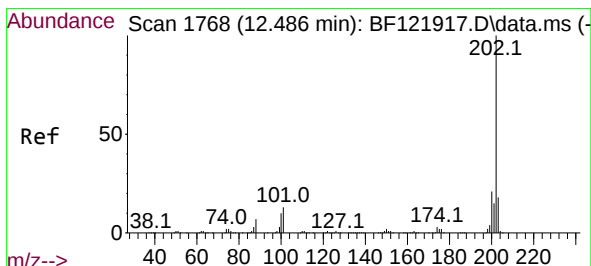
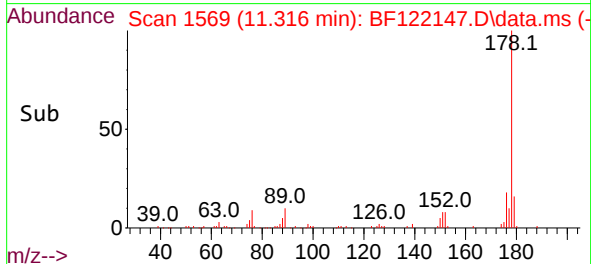
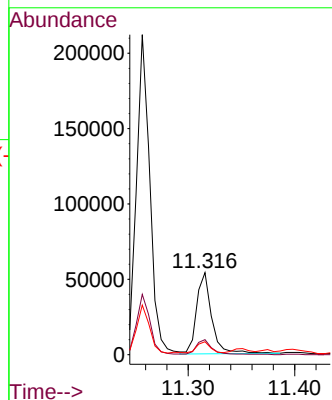
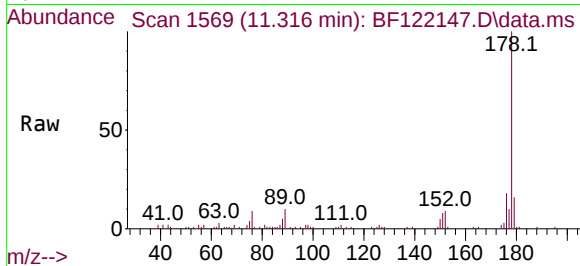




#72
 Anthracene
 Concen: 2.76 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. 0.000 min
 Lab File: BF122147.D
 Acq: 28 Oct 2020 14:52

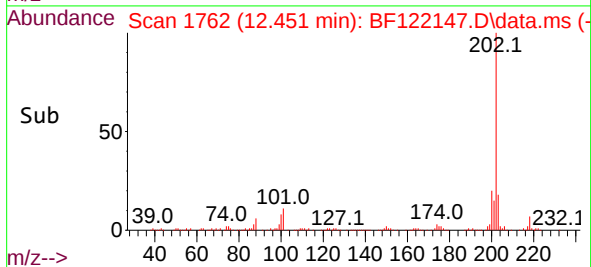
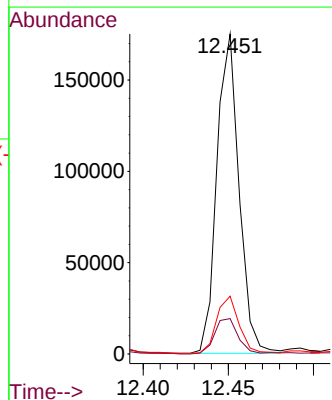
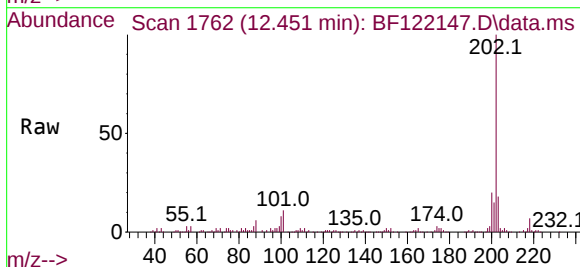
Instrument :
 BNA_F
 ClientSampled :
 S-1

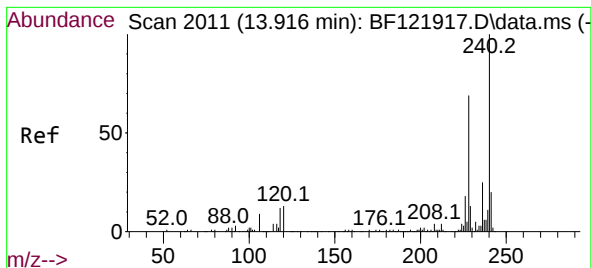
Tgt Ion:178 Resp: 53397
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 15.8 12.7 19.1



#75
 Fluoranthene
 Concen: 7.92 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. 0.000 min
 Lab File: BF122147.D
 Acq: 28 Oct 2020 14:52

Tgt Ion:202 Resp: 158439
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 33.4
 203 18.1 0.0 37.9

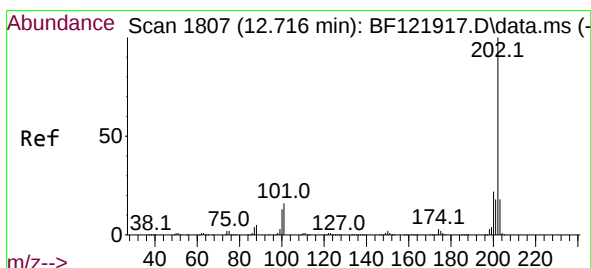
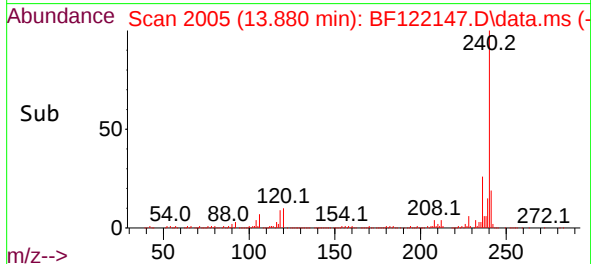
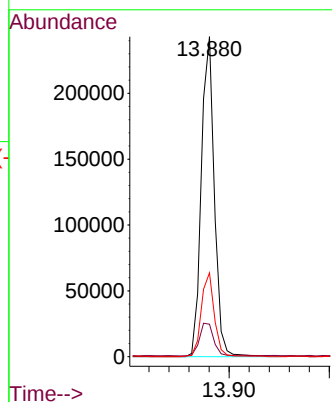
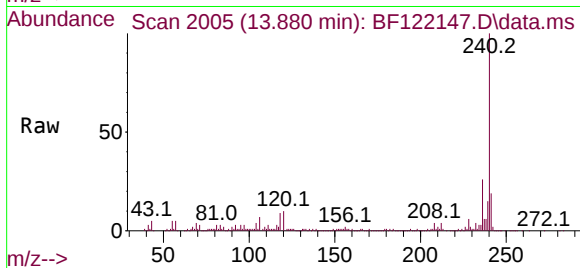




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

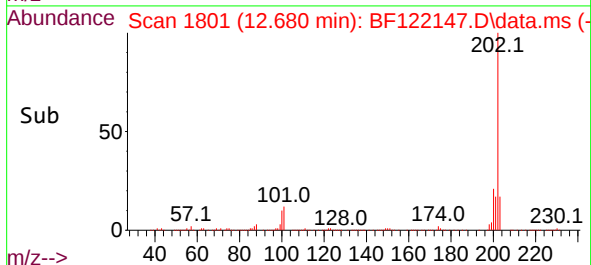
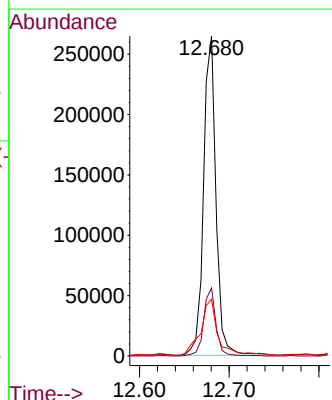
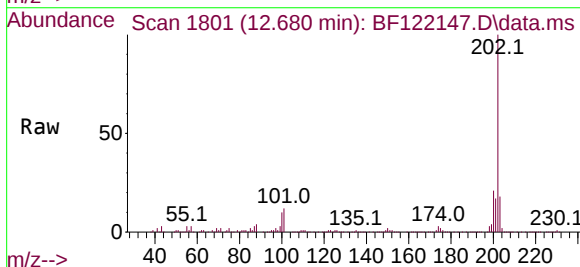
Instrument :
BNA_F
ClientSampled :
S-1

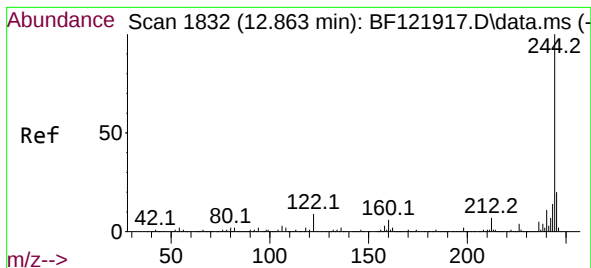
Tgt Ion:240 Resp: 220200
Ion Ratio Lower Upper
240 100
120 10.2 9.2 13.8
236 26.2 20.9 31.3



#78
Pyrene
Concen: 15.19 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:202 Resp: 254897
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.7 14.6 21.8

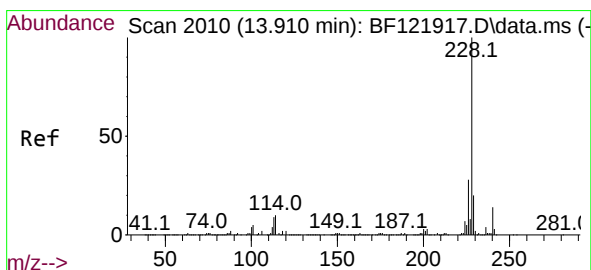
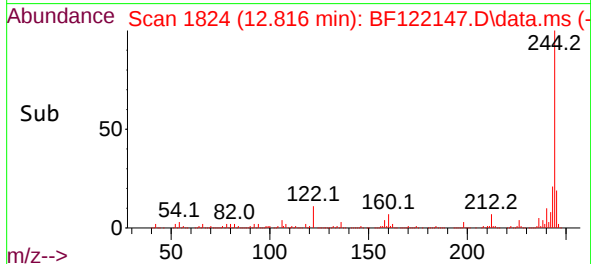
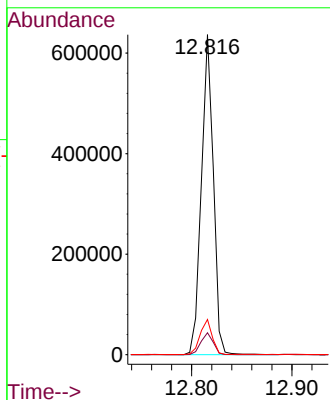
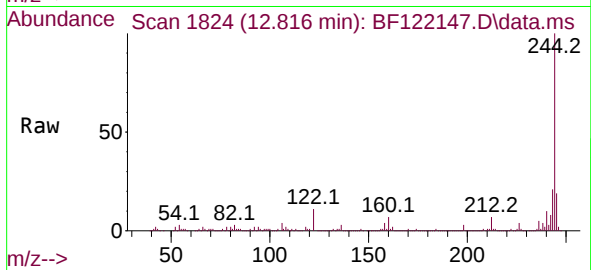




#79
 Terphenyl-d14
 Concen: 45.83 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: BF122147.D
 Acq: 28 Oct 2020 14:52

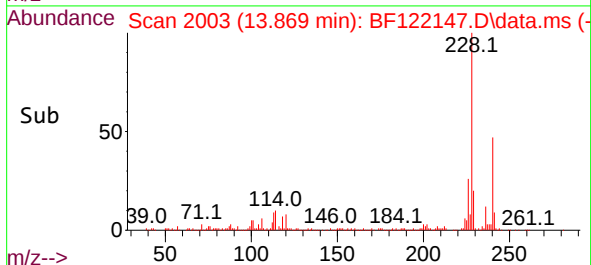
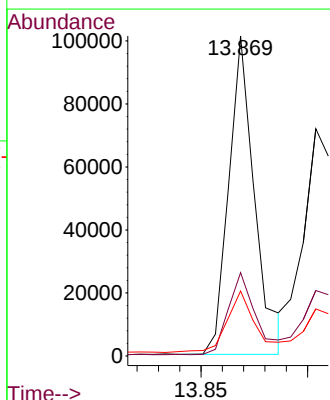
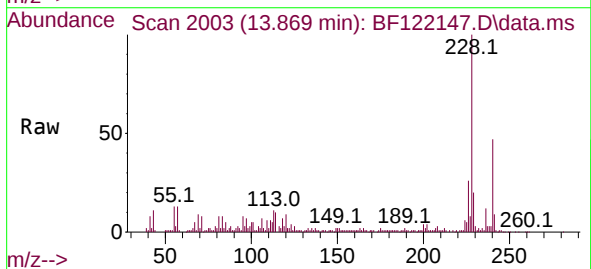
Instrument :
 BNA_F
 ClientSampled :
 S-1

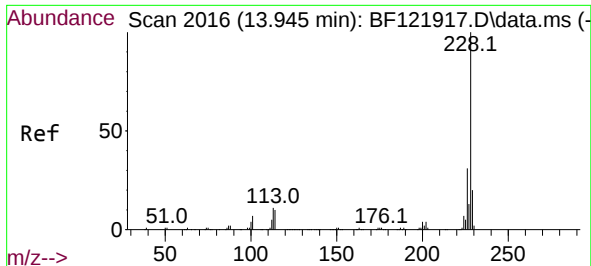
Tgt Ion:244 Resp: 529555
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 11.0 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 5.91 ng
 RT: 13.869 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: BF122147.D
 Acq: 28 Oct 2020 14:52

Tgt Ion:228 Resp: 85252
 Ion Ratio Lower Upper
 228 100
 226 26.1 22.3 33.5
 229 20.3 16.2 24.4



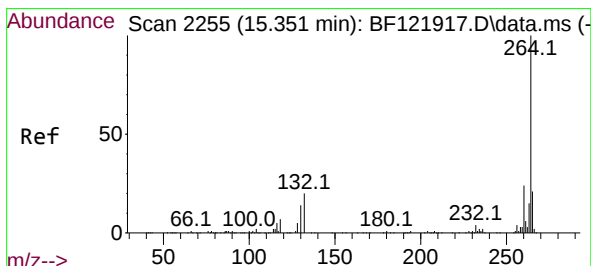
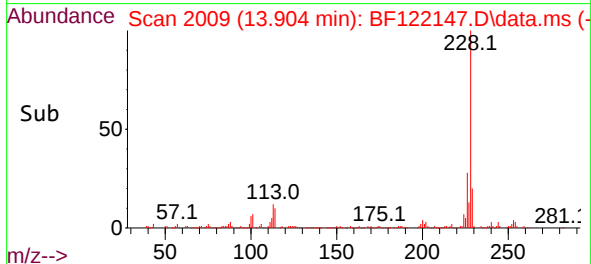
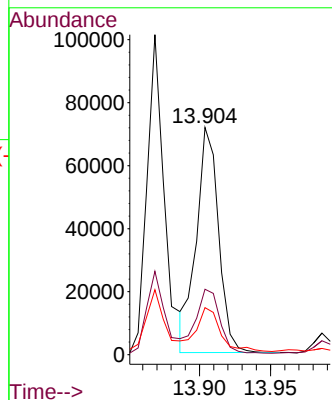
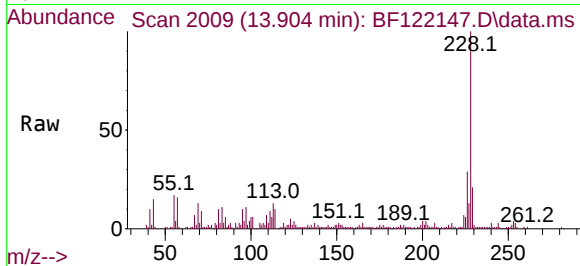


#83
Chrysene
Concen: 5.50 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Instrument :
BNA_F
ClientSampled :
S-1

Tgt Ion:228 Resp: 77892

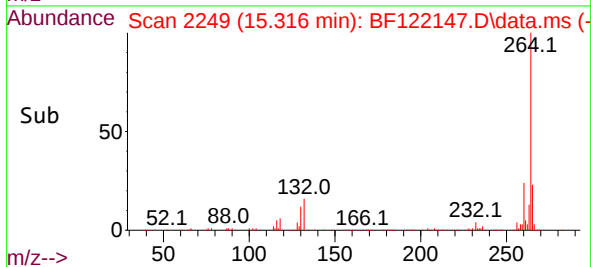
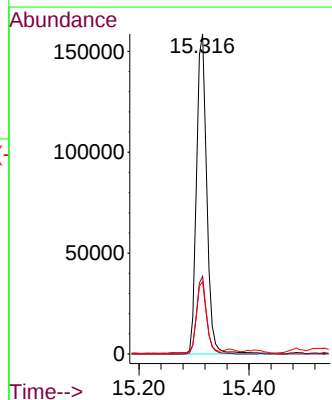
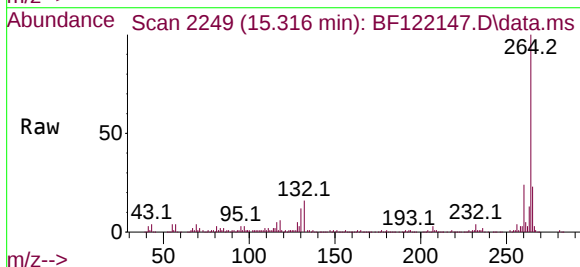
Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.6	37.0
229	20.7	15.9	23.9

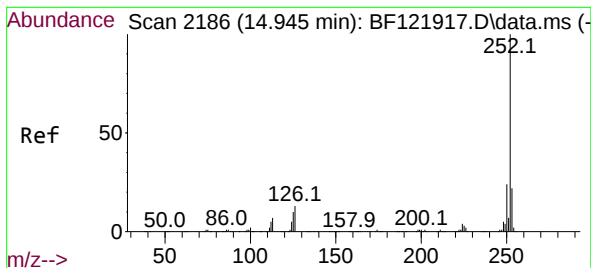


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.316 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:264 Resp: 205375

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.6	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 5.21 ng

RT: 14.910 min Scan# 2180

Delta R.T. 0.012 min

Lab File: BF122147.D

Acq: 28 Oct 2020 14:52

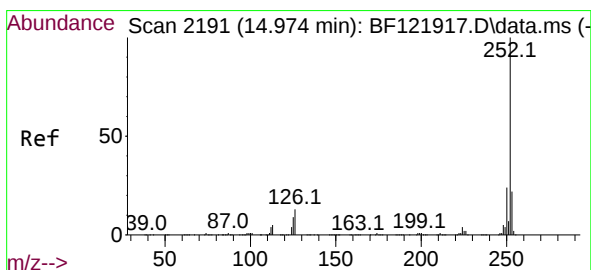
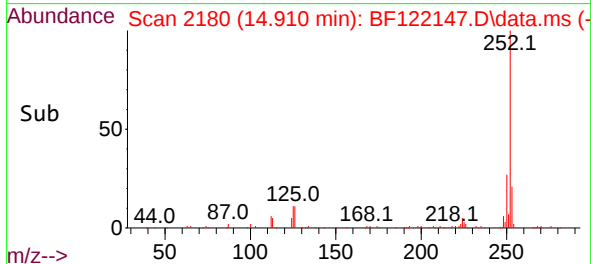
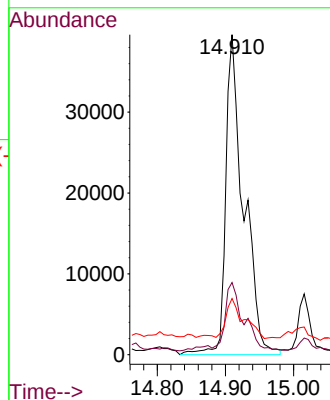
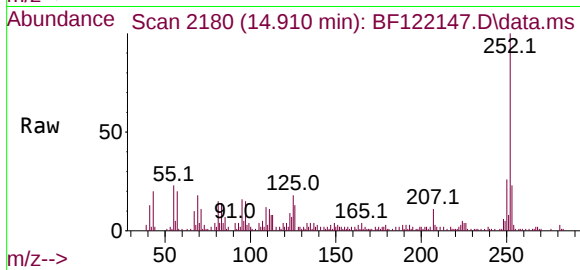
Tgt Ion:	252	Resp:	72364
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	17.6	8.0	12.0#

Instrument :

BNA_F

ClientSampled :

S-1



#89

Benzo(k)fluoranthene

Concen: 5.49 ng

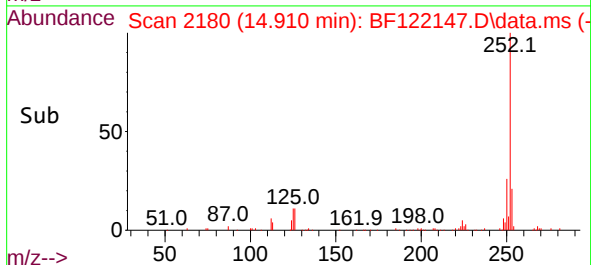
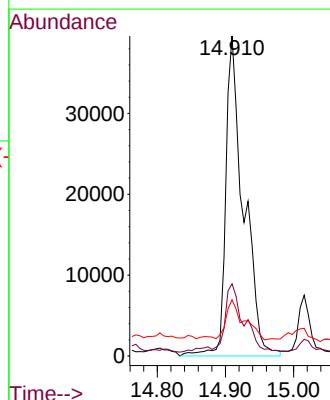
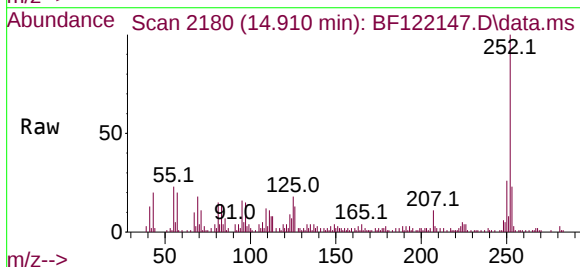
RT: 14.910 min Scan# 2180

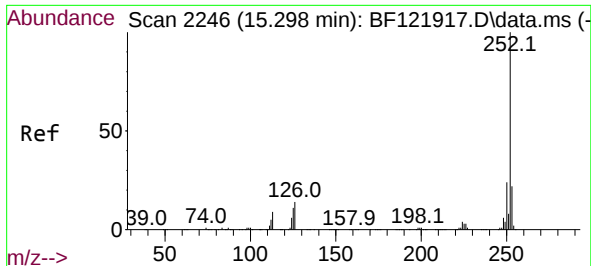
Delta R.T. -0.018 min

Lab File: BF122147.D

Acq: 28 Oct 2020 14:52

Tgt Ion:	252	Resp:	72364
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.6
125	17.6	7.7	11.5#

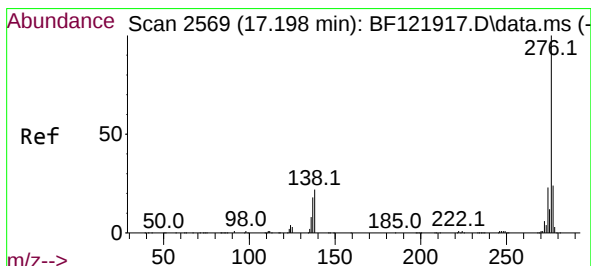
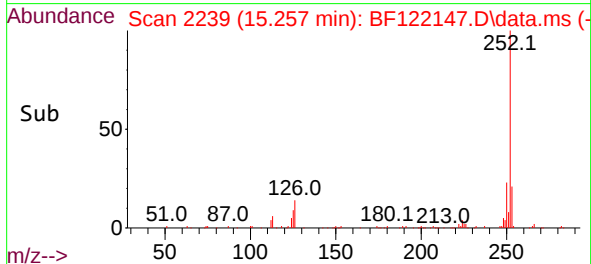
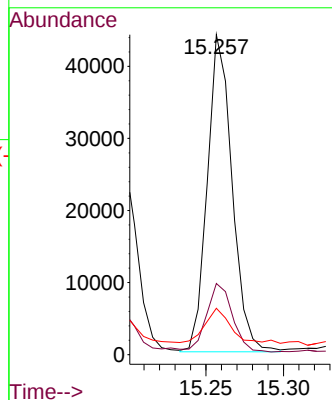
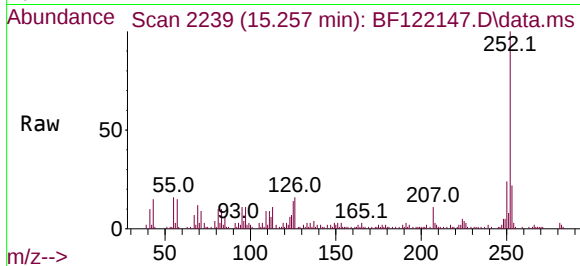




#90
Benzo(a)pyrene
Concen: 4.08 ng
RT: 15.257 min Scan# 2239
Delta R.T. 0.006 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:252 Resp: 48930
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 14.5 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.22 ng
RT: 17.162 min Scan# 2563
Delta R.T. 0.029 min
Lab File: BF122147.D
Acq: 28 Oct 2020 14:52

Tgt Ion:276 Resp: 24391
Ion Ratio Lower Upper
276 100
277 26.3 19.4 29.2
138 20.7 17.8 26.6

