

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121220\
 Data File : BF122692.D
 Acq On : 12 Dec 2020 22:23
 Operator : JU/CG
 Sample : L5045-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-10

Quant Time: Dec 13 23:47:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

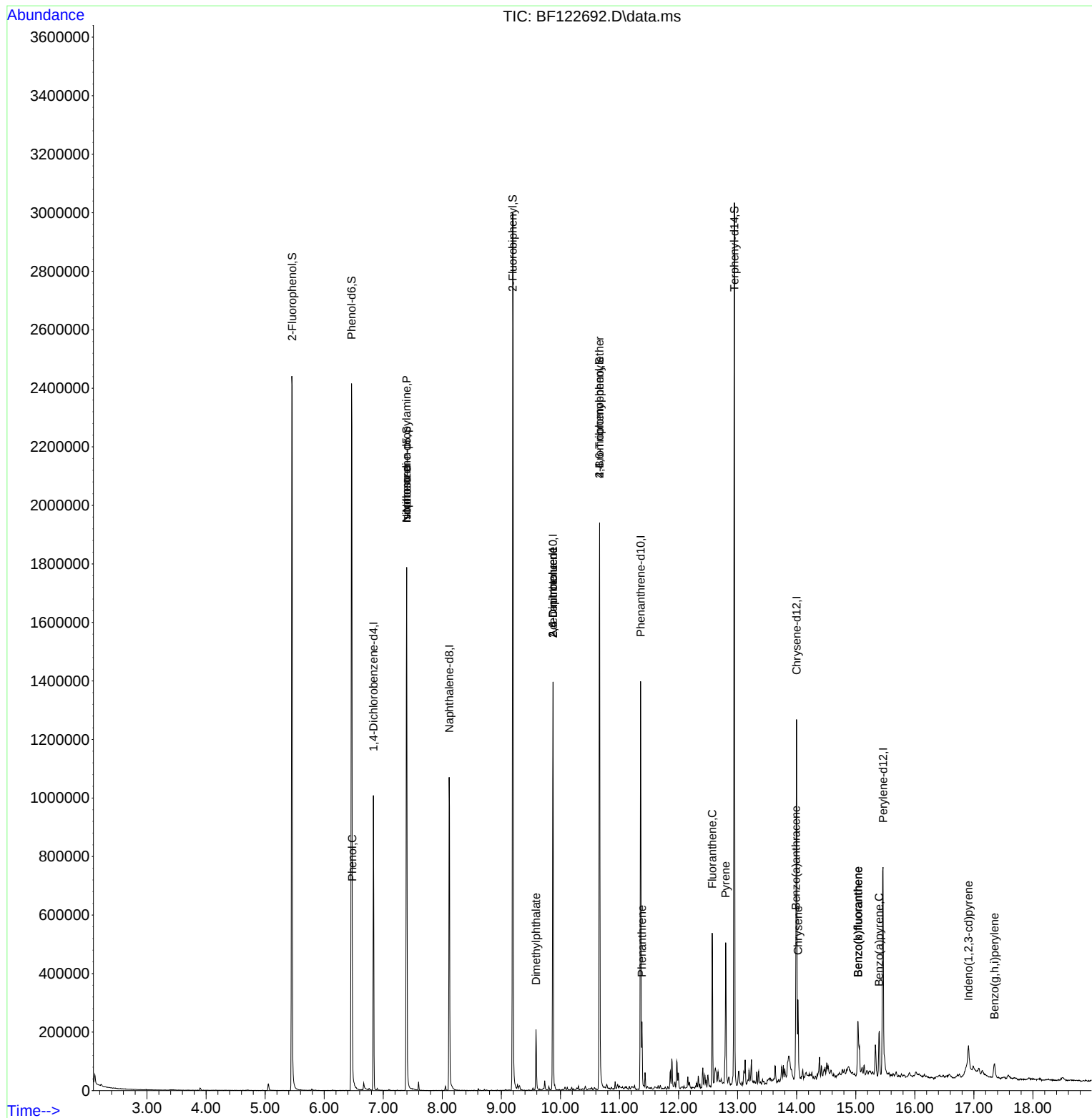
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	144793	20.00	ng	0.00
21) Naphthalene-d8	8.116	136	553666	20.00	ng	-0.01
39) Acenaphthene-d10	9.875	164	285850	20.00	ng	0.00
64) Phenanthrene-d10	11.357	188	516160	20.00	ng	-0.01
76) Chrysene-d12	13.998	240	374276	20.00	ng	-0.01
86) Perylene-d12	15.462	264	359018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	792882	86.69	ng	0.00
7) Phenol-d6	6.463	99	979458	80.75	ng	-0.02
23) Nitrobenzene-d5	7.398	82	601781	54.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	275629	73.66	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	1029282	48.70	ng	-0.01
79) Terphenyl-d14	12.945	244	959991	44.90	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.475	94	58181	4.63	ng	93
19) n-Nitroso-di-n-propyla...	7.398	70	80570	11.60	ng	# 76
25) Isophorone	7.398	82	601775	31.62	ng	# 65
50) Dimethylphthalate	9.586	163	93868	4.11	ng	99
51) 2,6-Dinitrotoluene	9.875	165	36338	7.54	ng	# 31
57) 2,4-Dinitrotoluene	9.875	165	36338	5.66	ng	# 25
67) 4-Bromophenyl-phenylether	10.663	248	16708	2.39	ng	# 1
71) Phenanthrene	11.380	178	78794	2.57	ng	97
75) Fluoranthene	12.569	202	204169	6.35	ng	99
78) Pyrene	12.798	202	193646	6.69	ng	97
81) Benzo(a)anthracene	13.986	228	110994	4.44	ng	98
83) Chrysene	14.021	228	96584	3.88	ng	95
87) Indeno(1,2,3-cd)pyrene	16.909	276	47540	2.02	ng	98
88) Benzo(b)fluoranthene	15.039	252	141634	5.62	ng	97
89) Benzo(k)fluoranthene	15.039	252	141634	6.15	ng	97
90) Benzo(a)pyrene	15.398	252	74092	3.36	ng	98
92) Benzo(g,h,i)perylene	17.351	276	43849	2.35	ng	99

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

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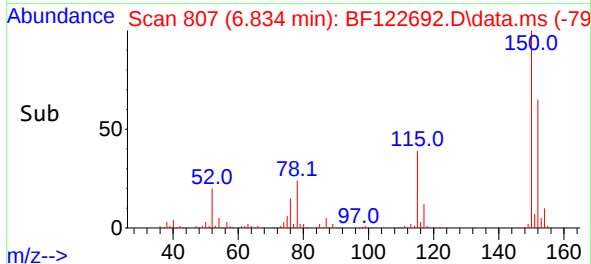
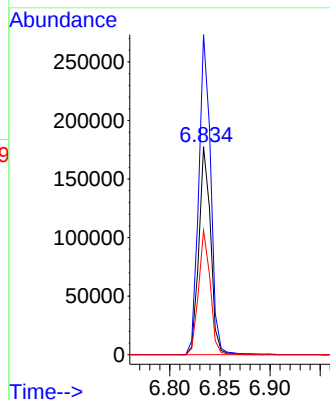
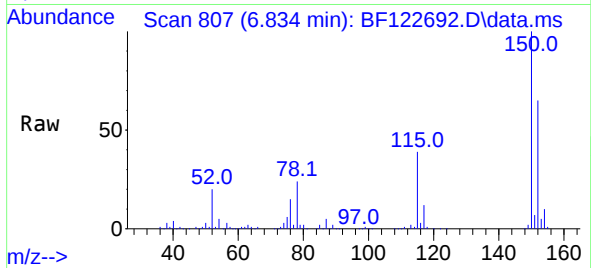




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

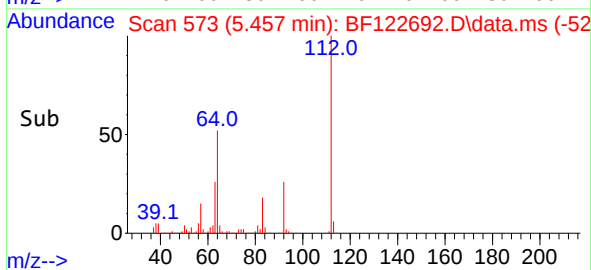
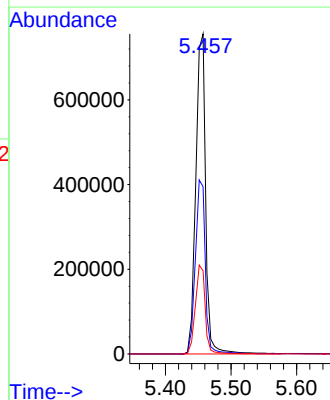
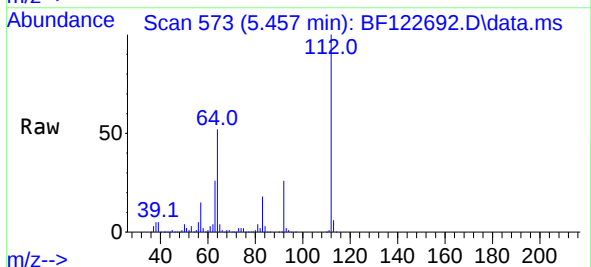
Instrument :
BNA_F
ClientSampleId :
RBR-10

Tgt Ion:152 Resp: 144793
Ion Ratio Lower Upper
152 100
150 153.9 125.8 188.6
115 59.8 49.3 73.9



#5
2-Fluorophenol
Concen: 86.69 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:112 Resp: 792882
Ion Ratio Lower Upper
112 100
64 52.3 46.9 70.3
63 26.0 24.5 36.7

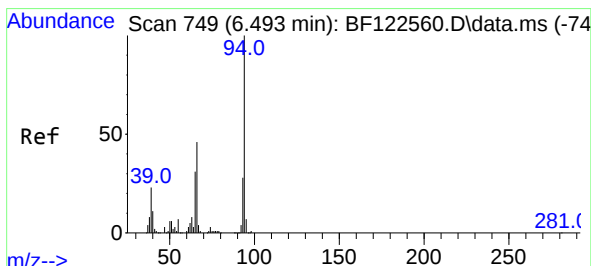
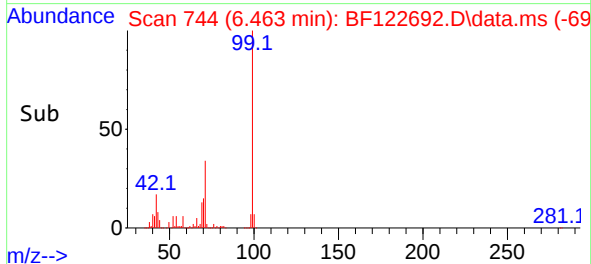
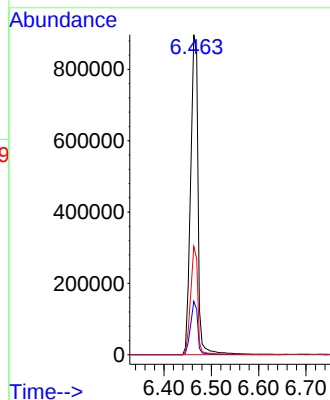
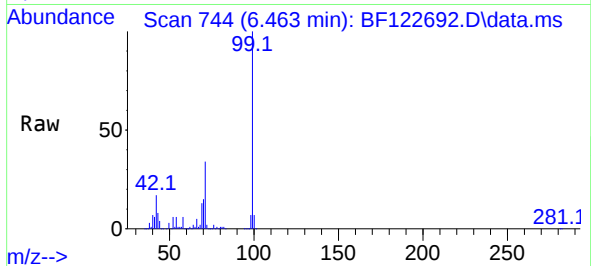




#7
Phenol-d6
Concen: 80.75 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

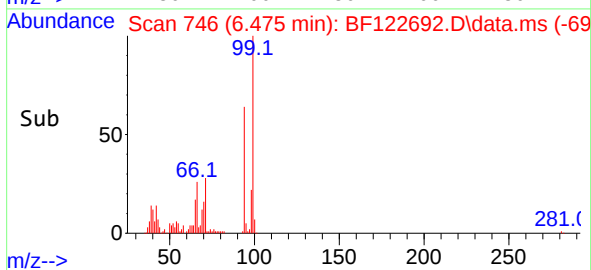
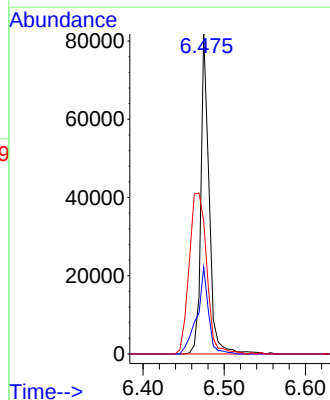
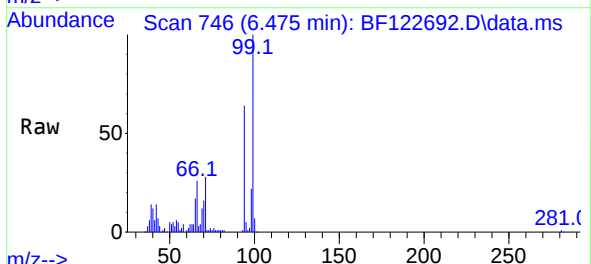
Instrument :
BNA_F
ClientSampleId :
RBR-10

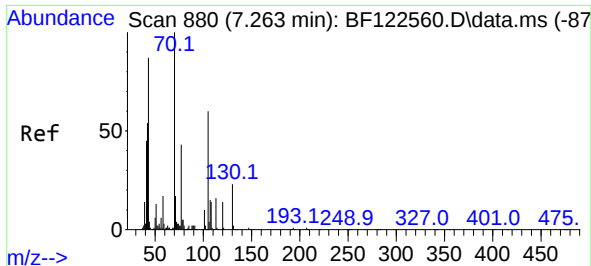
Tgt Ion:	99	Resp:	979458
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.8	20.6
71	33.8	26.9	40.3



#10
Phenol
Concen: 4.63 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:	94	Resp:	58181
Ion	Ratio	Lower	Upper
94	100		
65	27.1	11.2	51.2
66	41.5	25.8	65.8



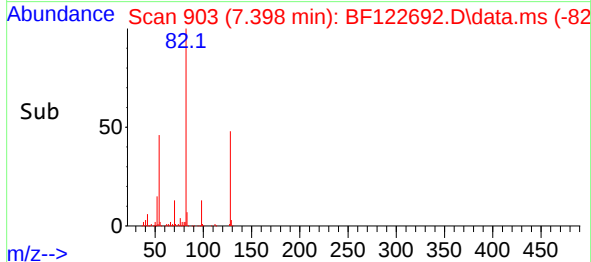
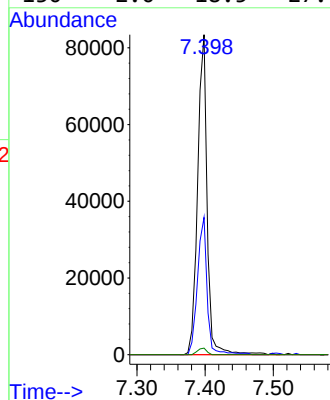
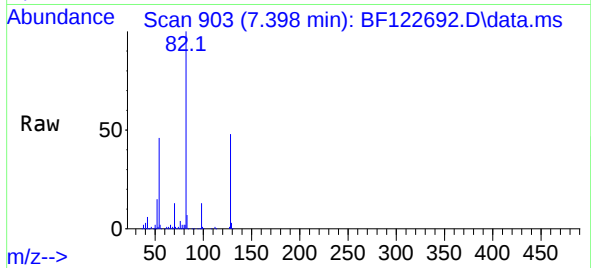


#19
n-Nitroso-di-n-propylamine
Concen: 11.60 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.135 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Instrument :
BNA_F
ClientSampleId :
RBR-10

Tgt Ion: 70 Resp: 80570

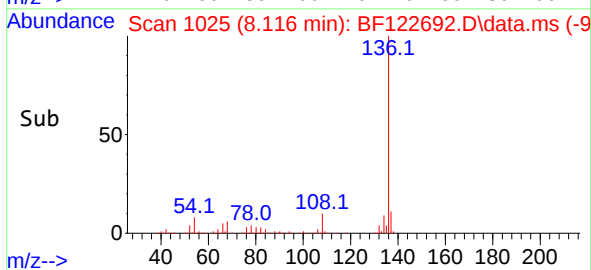
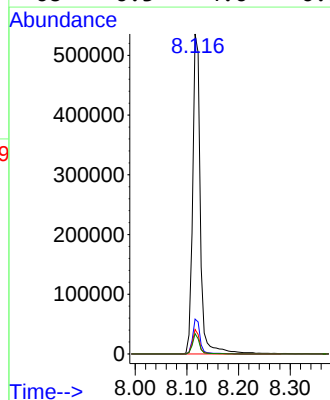
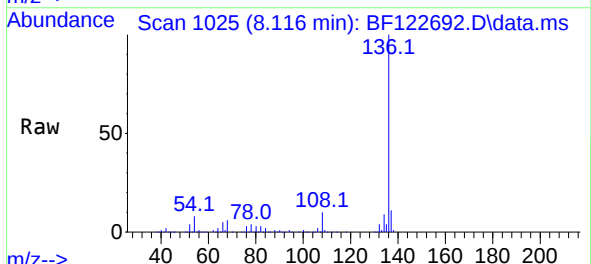
Ion	Ratio	Lower	Upper
70	100		
42	42.9	43.0	64.4#
101	0.0	7.9	11.9#
130	2.0	18.5	27.7#

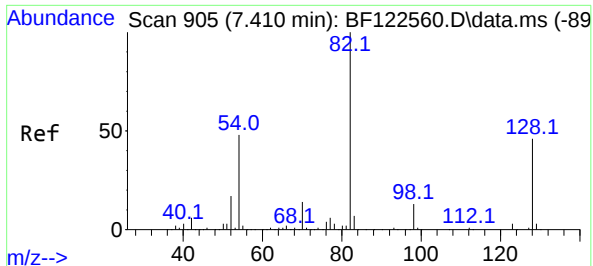


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion: 136 Resp: 553666

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.7	5.5	8.3
68	6.3	4.6	6.8





#23

Nitrobenzene-d5

Concen: 54.46 ng

RT: 7.398 min Scan# 903

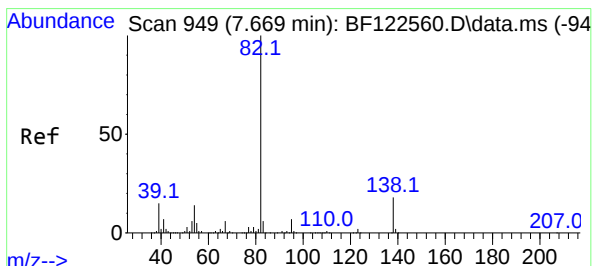
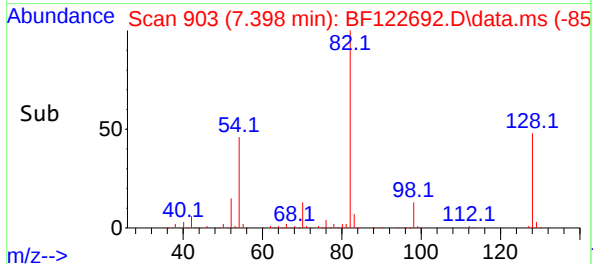
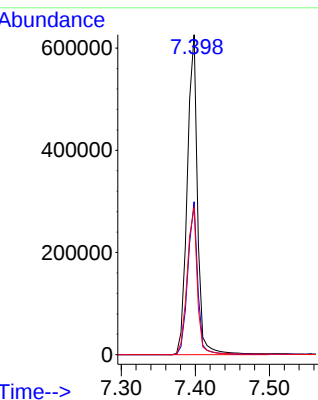
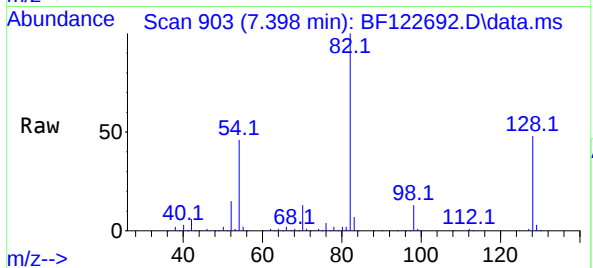
Delta R.T. -0.012 min

Lab File: BF122692.D

Acq: 12 Dec 2020 22:23

Tgt Ion: 82 Resp: 601781

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.0	55.4
54	45.8	38.4	57.6



#25

Isophorone

Concen: 31.62 ng

RT: 7.398 min Scan# 903

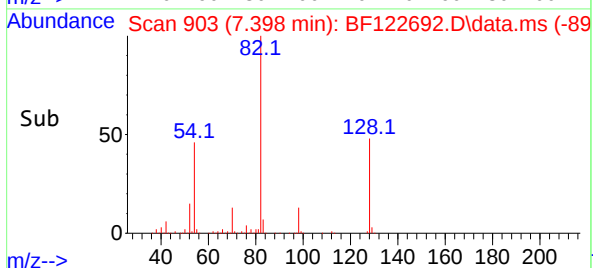
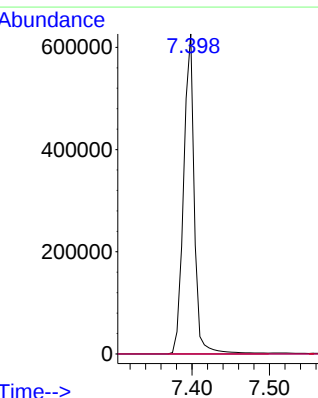
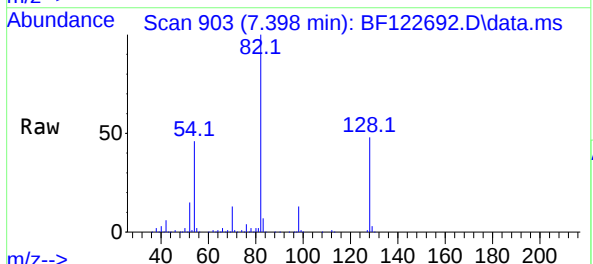
Delta R.T. -0.271 min

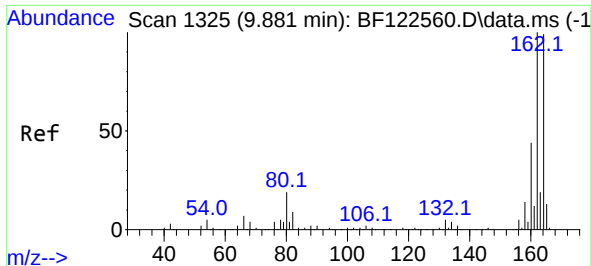
Lab File: BF122692.D

Acq: 12 Dec 2020 22:23

Tgt Ion: 82 Resp: 601775

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#

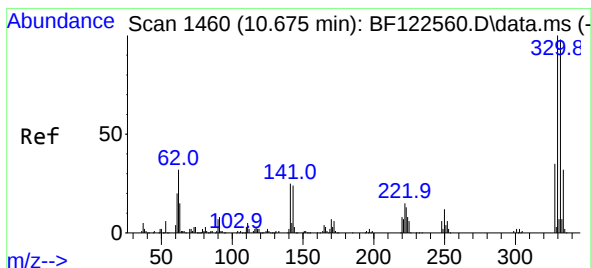
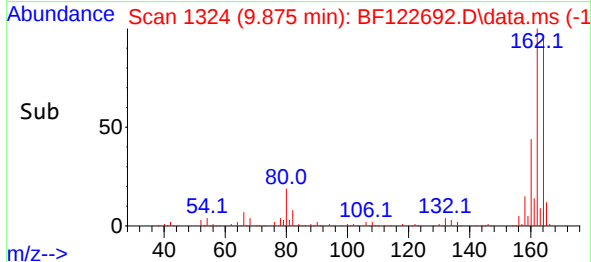
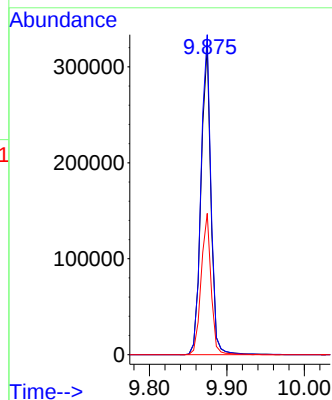
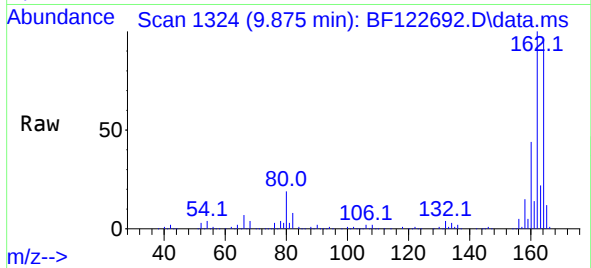




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

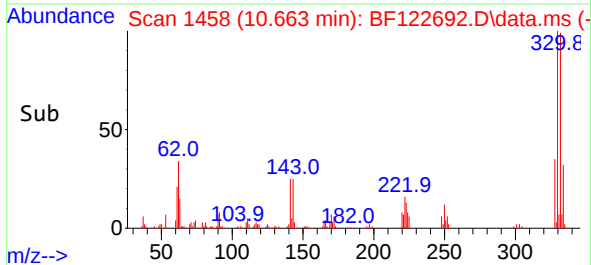
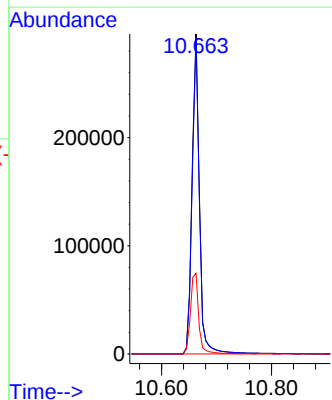
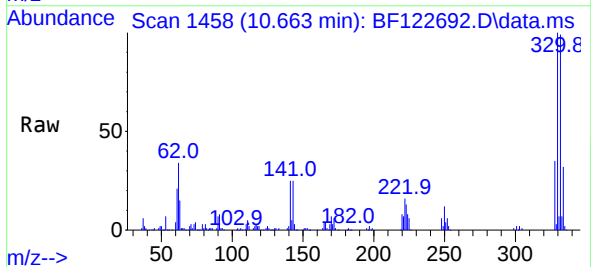
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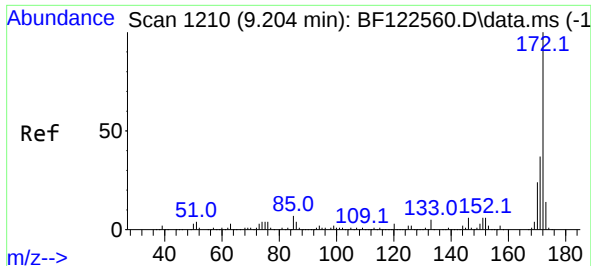
Tgt Ion:164 Resp: 285850
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 45.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 73.66 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:330 Resp: 275629
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 28.3 23.8 35.8

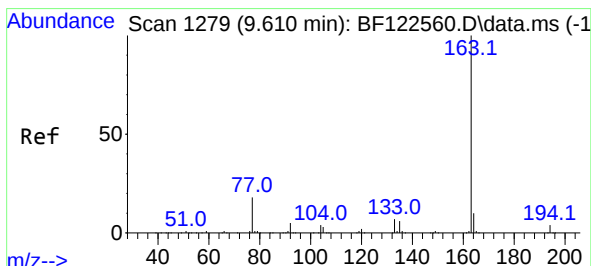
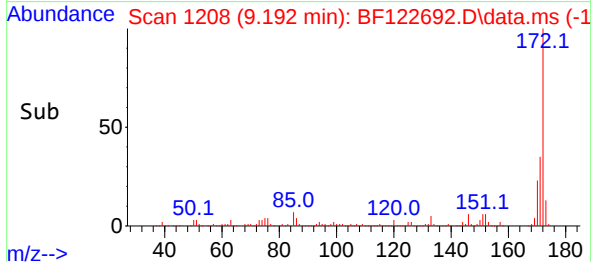
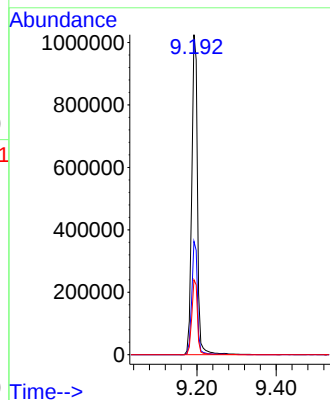
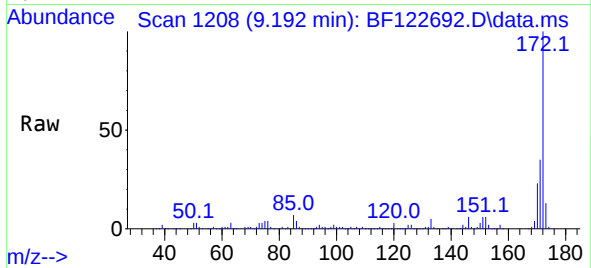




#45
2-Fluorobiphenyl
Concen: 48.70 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

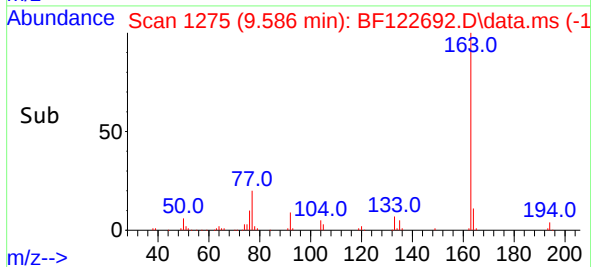
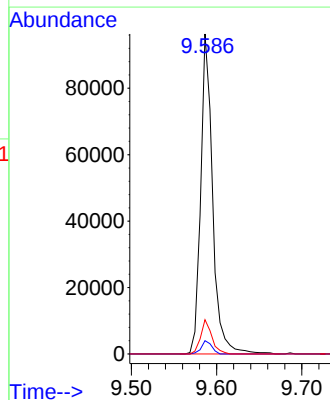
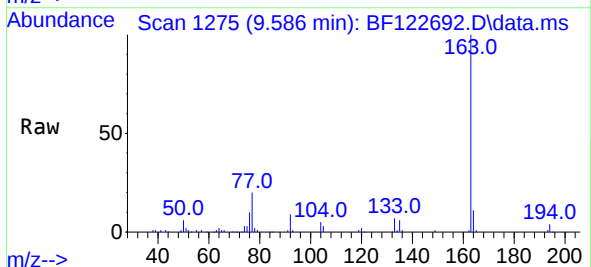
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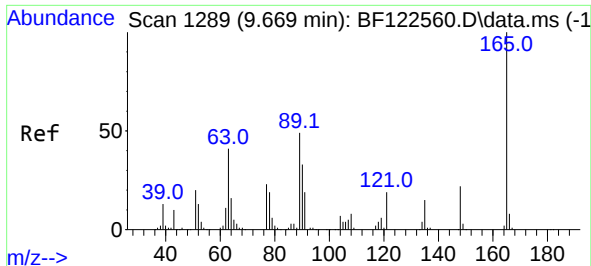
Tgt Ion:172 Resp: 1029282
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.4 19.5 29.3



#50
Dimethylphthalate
Concen: 4.11 ng
RT: 9.586 min Scan# 1275
Delta R.T. -0.024 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:163 Resp: 93868
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.7 8.1 12.1

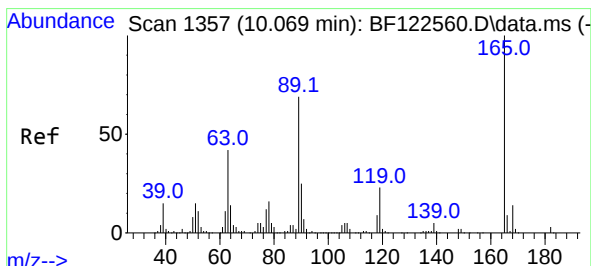
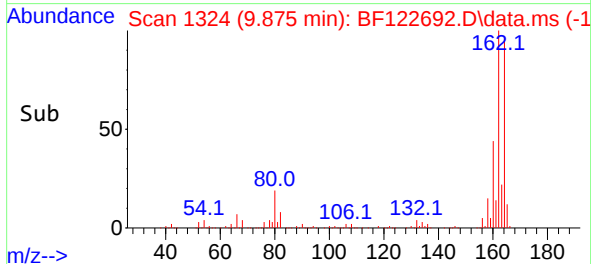
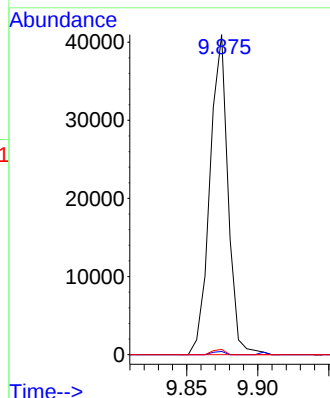
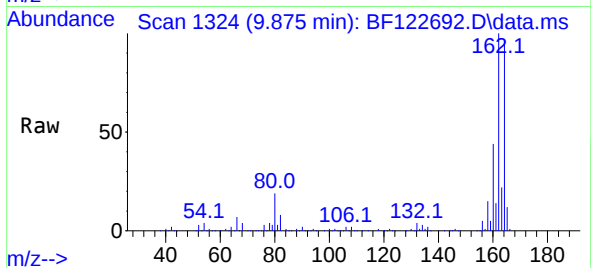




#51
2,6-Dinitrotoluene
Concen: 7.54 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

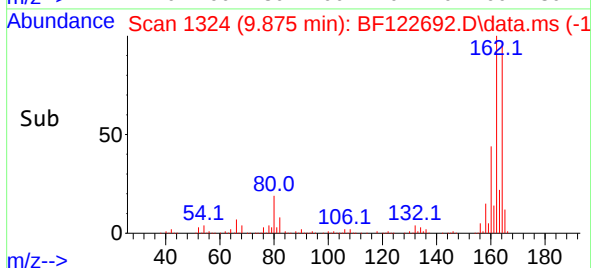
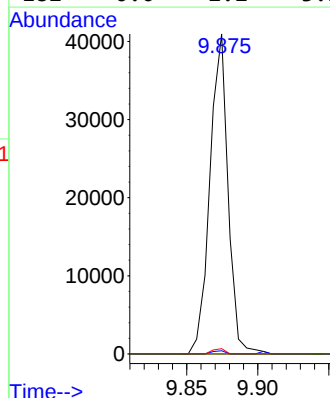
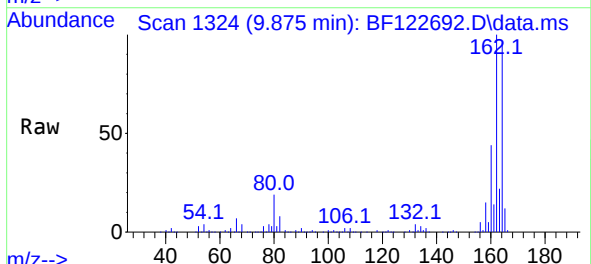
Instrument :
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ClientSampleId :
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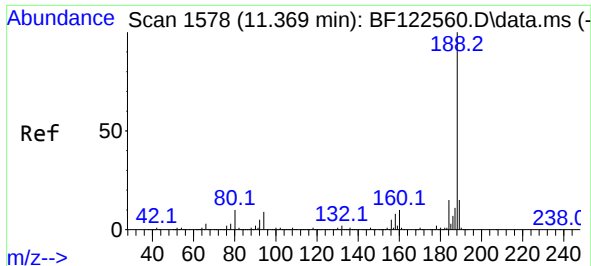
Tgt Ion:165 Resp: 36338
Ion Ratio Lower Upper
165 100
63 1.0 36.6 55.0#
89 1.7 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.66 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:165 Resp: 36338
Ion Ratio Lower Upper
165 100
63 1.0 34.3 51.5#
89 1.7 55.2 82.8#
182 0.0 2.2 3.2#

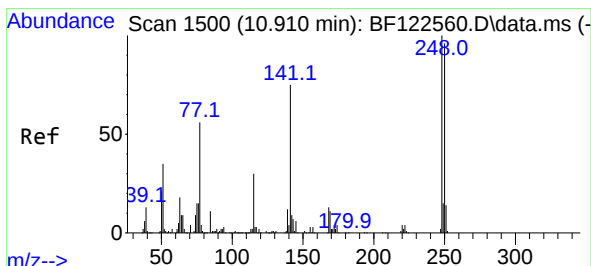
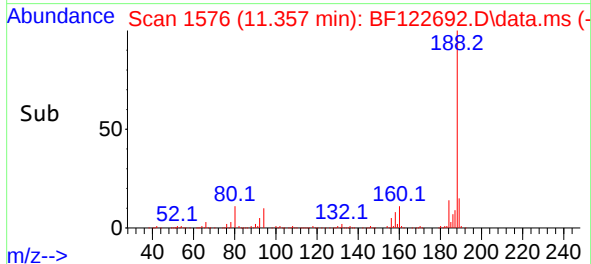
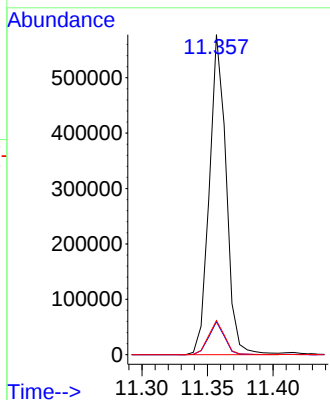
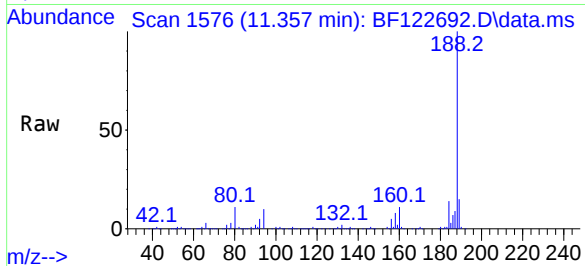




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

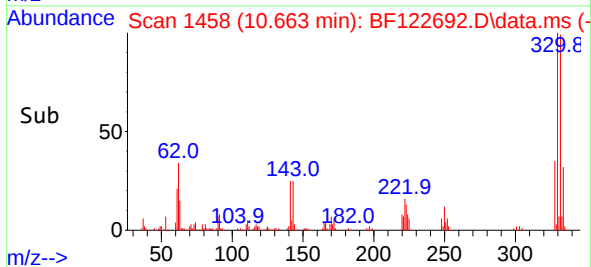
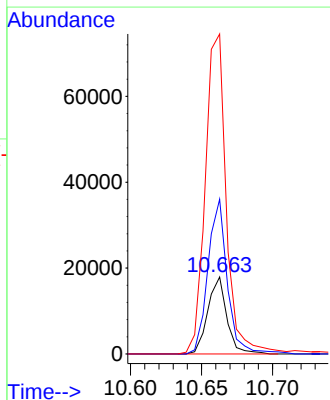
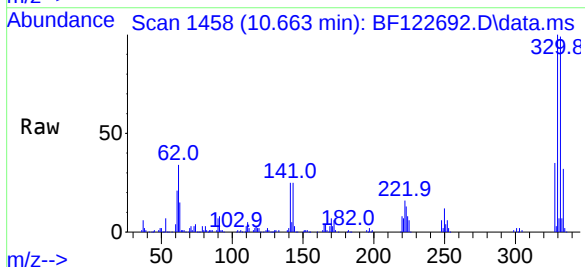
Instrument :
BNA_F
ClientSampleId :
RBR-10

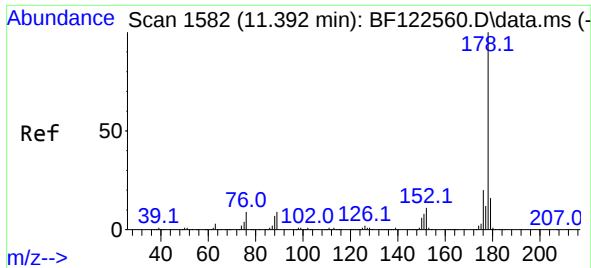
Tgt Ion:188 Resp: 516160
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.2
80 10.7 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.39 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:248 Resp: 16708
Ion Ratio Lower Upper
248 100
250 201.0 76.8 115.2#
141 415.9 59.8 89.8#



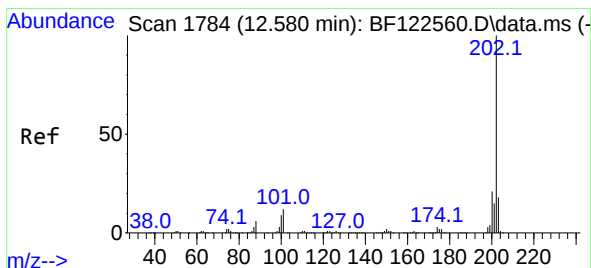
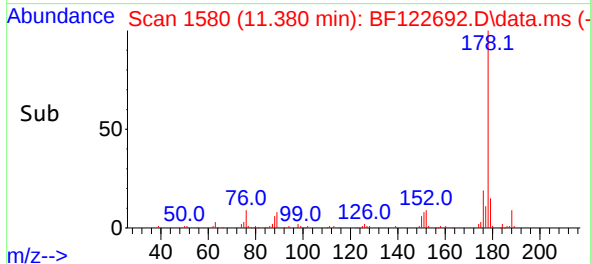
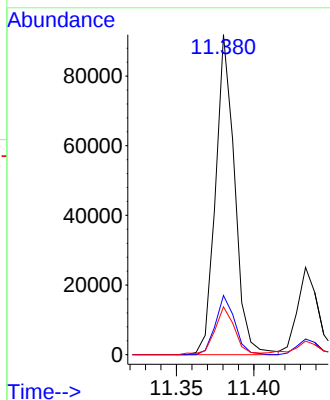
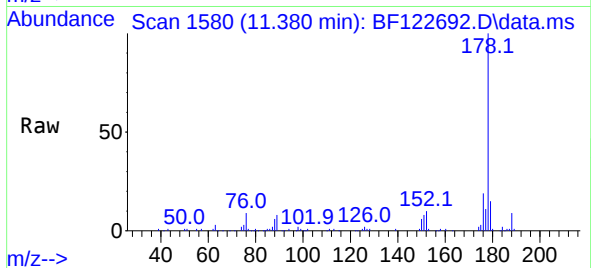


#71
Phenanthrene
Concen: 2.57 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Instrument :
BNA_F
ClientSampleId :
RBR-10

Tgt Ion:178 Resp: 78794

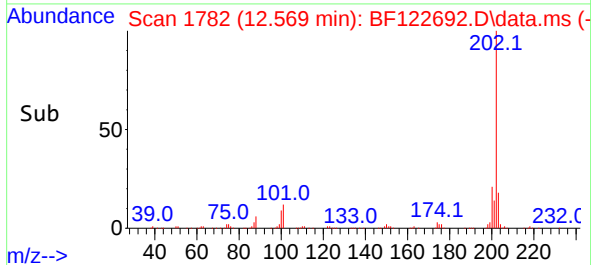
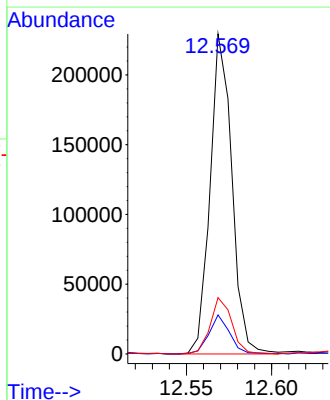
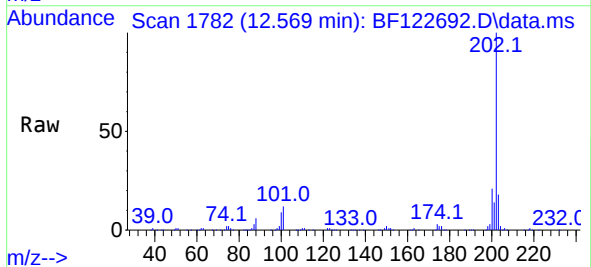
Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.2
179	15.0	12.7	19.1

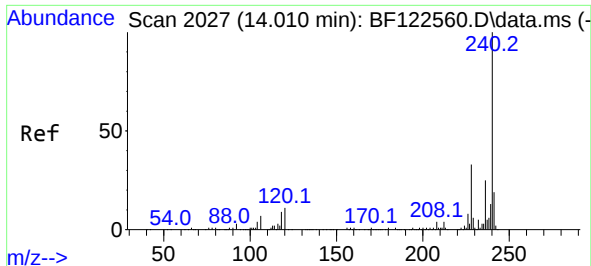


#75
Fluoranthene
Concen: 6.35 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:202 Resp: 204169

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.2
203	17.6	0.0	38.1

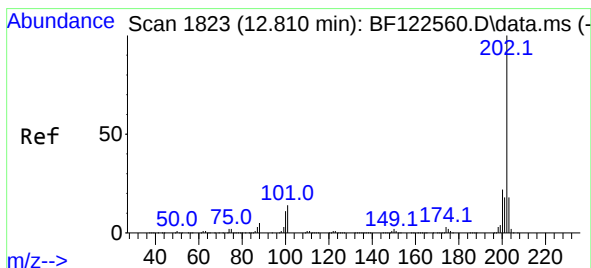
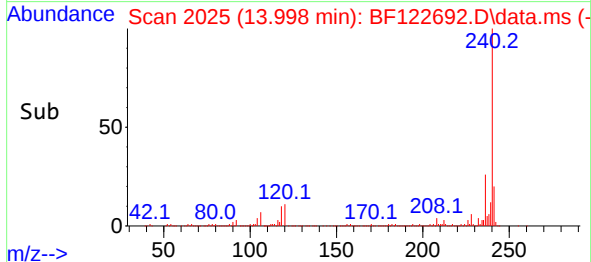
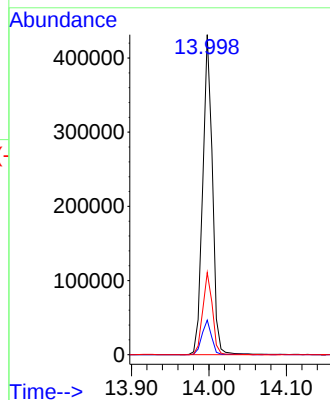
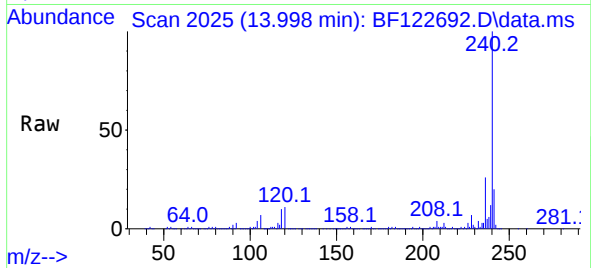




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

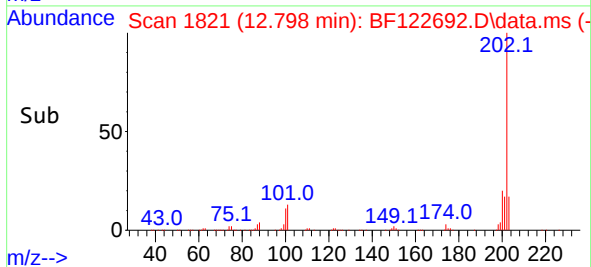
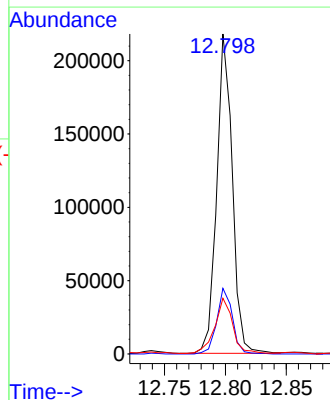
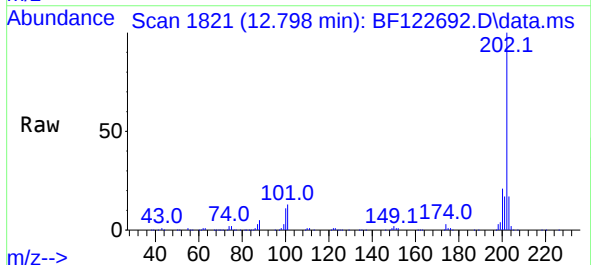
Instrument :
BNA_F
ClientSampled :
RBR-10

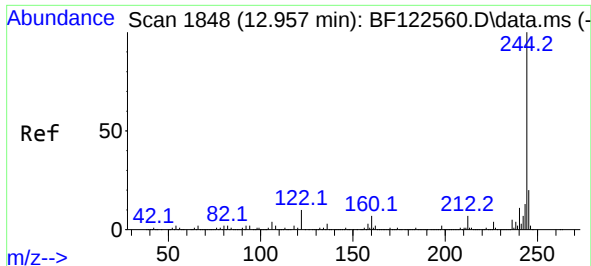
Tgt Ion:240 Resp: 374276
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 25.7 20.3 30.5



#78
Pyrene
Concen: 6.69 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

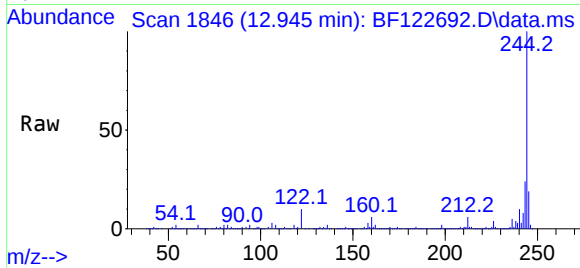
Tgt Ion:202 Resp: 193646
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 17.4 14.6 21.8



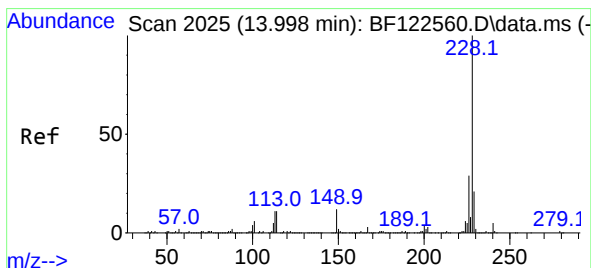
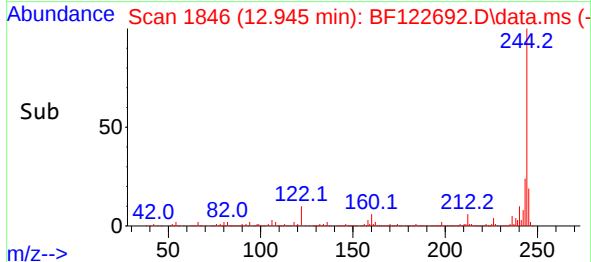
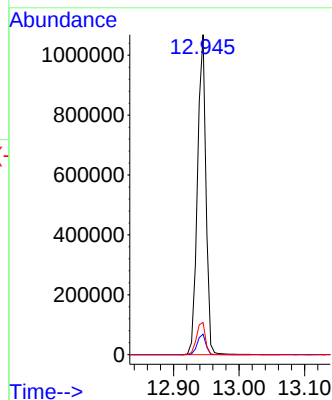


#79
 Terphenyl-d14
 Concen: 44.90 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.012 min
 Lab File: BF122692.D
 Acq: 12 Dec 2020 22:23

Instrument :
 BNA_F
 ClientSampleId :
 RBR-10

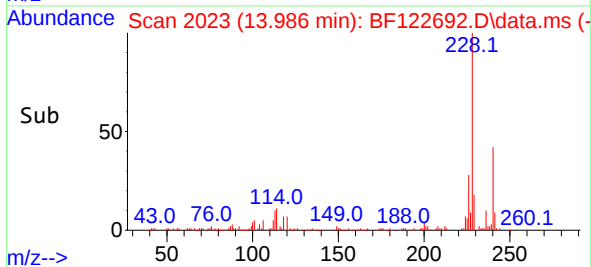
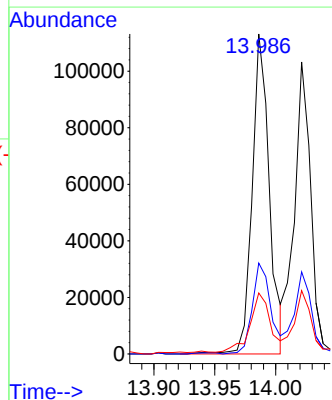
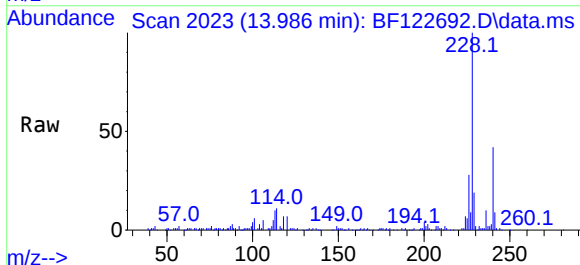


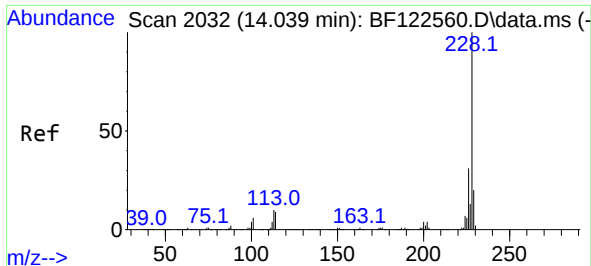
Tgt Ion:244 Resp: 959991
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.7 8.5
 122 10.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.44 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. -0.012 min
 Lab File: BF122692.D
 Acq: 12 Dec 2020 22:23

Tgt Ion:228 Resp: 110994
 Ion Ratio Lower Upper
 228 100
 226 28.4 23.0 34.4
 229 19.0 16.6 24.8



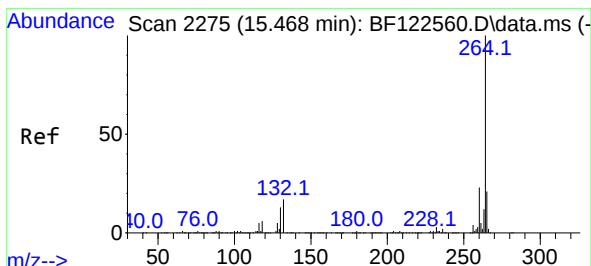
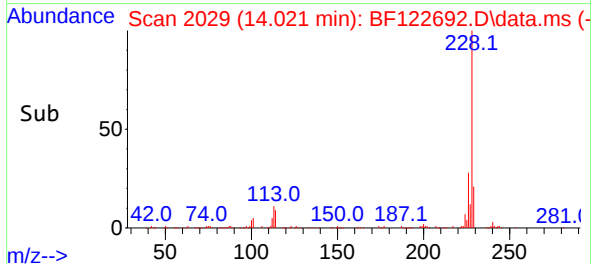
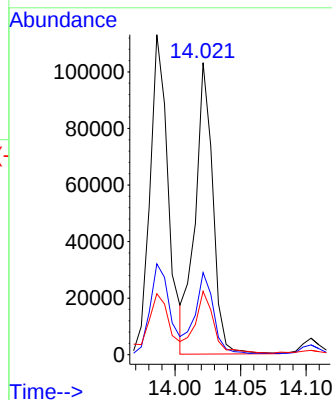
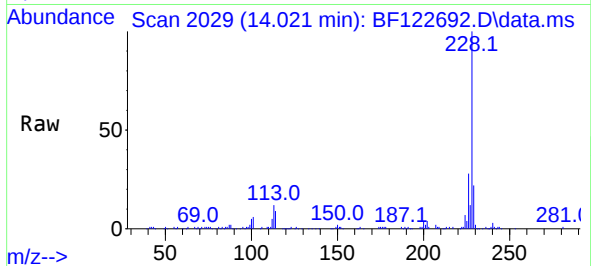


#83
Chrysene
Concen: 3.88 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.018 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Instrument :
BNA_F
ClientSampleId :
RBR-10

Tgt Ion:228 Resp: 96584

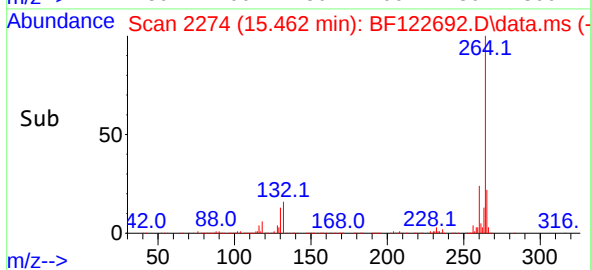
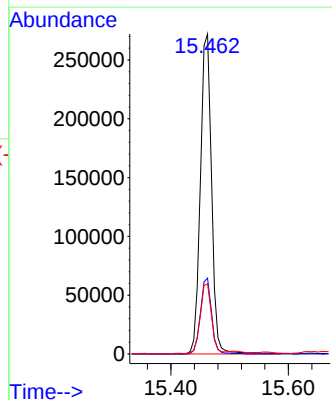
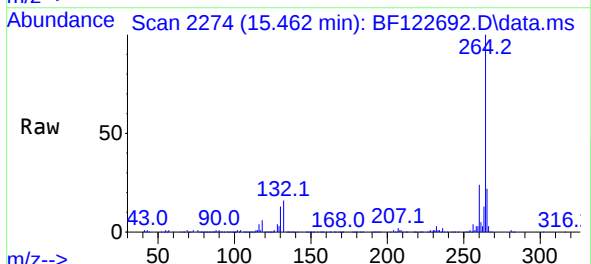
Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.6	36.8
229	21.7	15.8	23.6

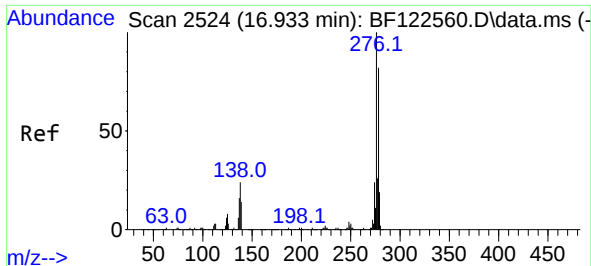


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:264 Resp: 359018

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.9	17.0	25.6

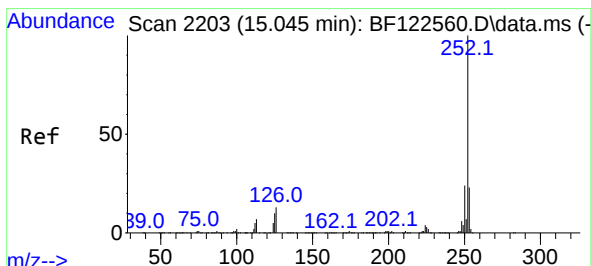
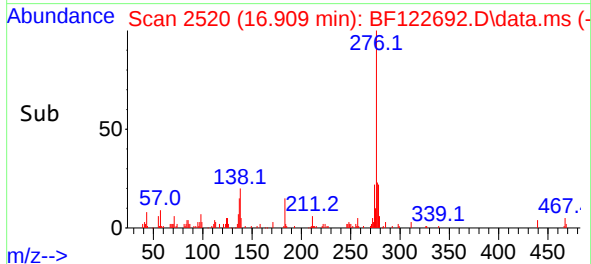
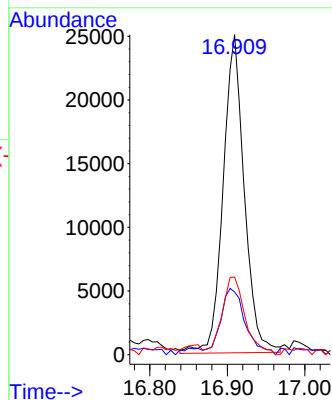
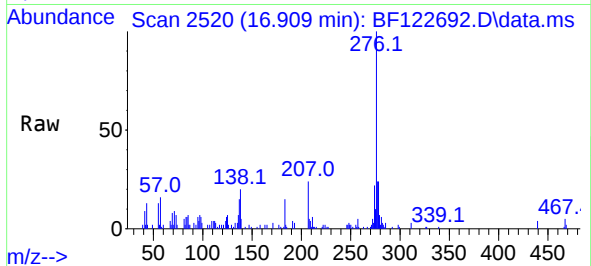




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.02 ng
RT: 16.909 min Scan# 2520
Delta R.T. -0.024 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

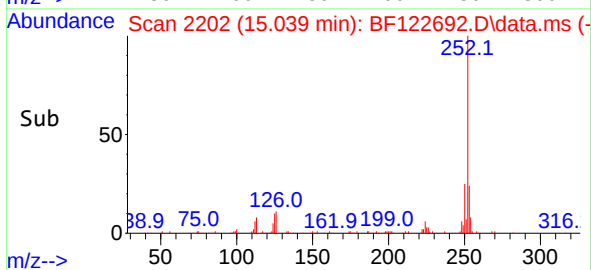
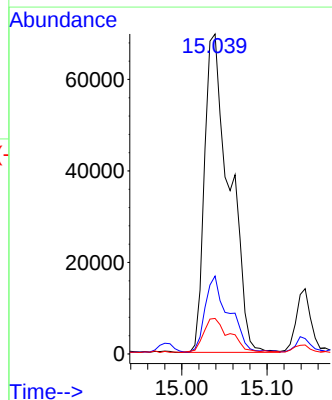
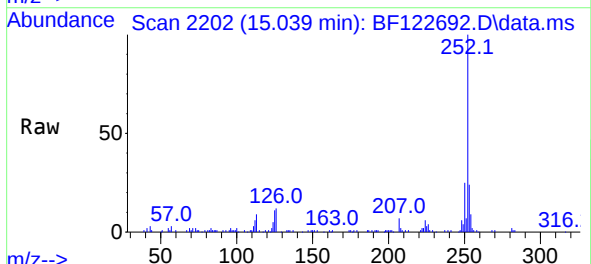
Instrument :
BNA_F
ClientSampleId :
RBR-10

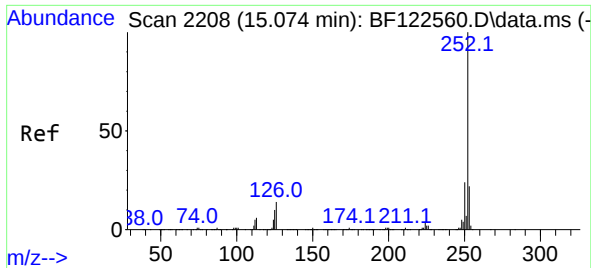
Tgt Ion:	276	Resp:	47540
Ion Ratio	Lower	Upper	
276	100		
138	24.0	18.7	28.1
277	26.8	20.2	30.4



#88
Benzo(b)fluoranthene
Concen: 5.62 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:	252	Resp:	141634
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.3	27.5
125	11.1	8.1	12.1



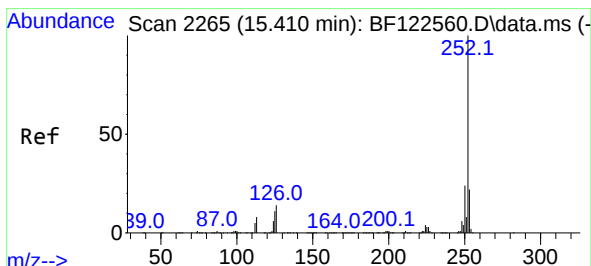
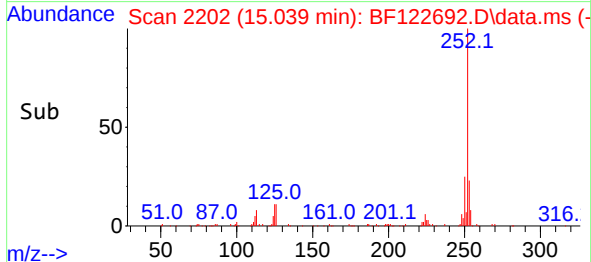
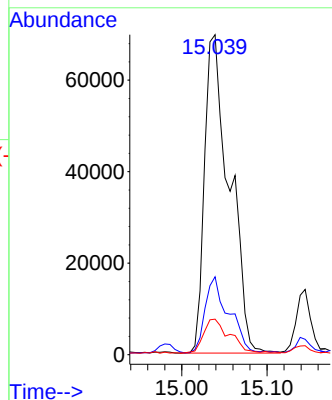
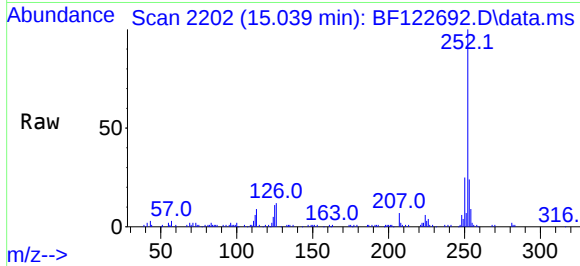


#89
Benzo(k)fluoranthene
Concen: 6.15 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.035 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Instrument :
BNA_F
ClientSampleId :
RBR-10

Tgt Ion:252 Resp: 141634

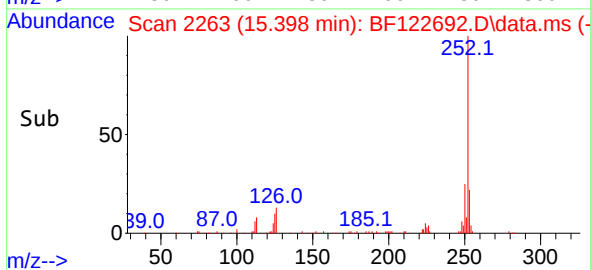
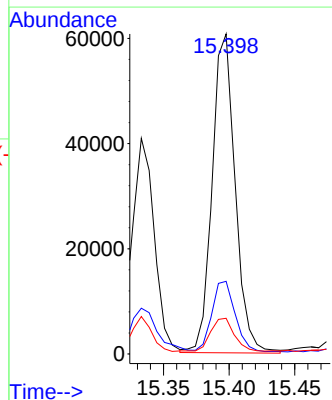
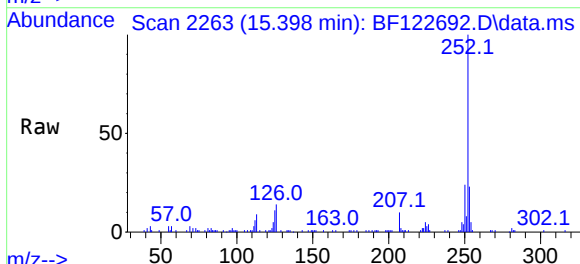
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	11.1	8.4	12.6

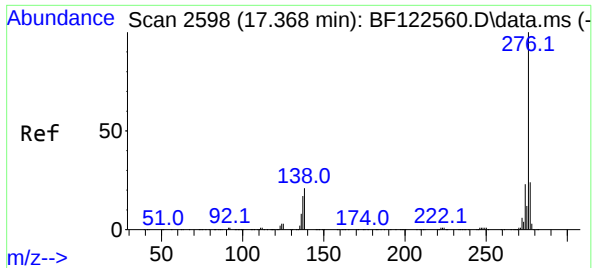


#90
Benzo(a)pyrene
Concen: 3.36 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.012 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Tgt Ion:252 Resp: 74092

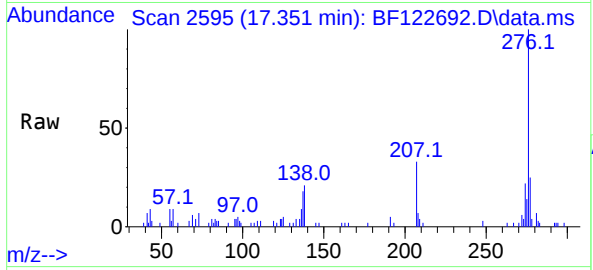
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.2	8.6	12.8





#92
Benzo(g,h,i)perylene
Concen: 2.35 ng
RT: 17.351 min Scan# 2595
Delta R.T. -0.018 min
Lab File: BF122692.D
Acq: 12 Dec 2020 22:23

Instrument :
BNA_F
ClientSampleId :
RBR-10



Tgt Ion:	276	Resp:	43849
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.3	28.9
138	20.6	16.6	24.8

