

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122920\
 Data File : BF122873.D
 Acq On : 29 Dec 2020 20:16
 Operator : JU/CG
 Sample : L5221-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-69

Quant Time: Dec 29 23:39:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

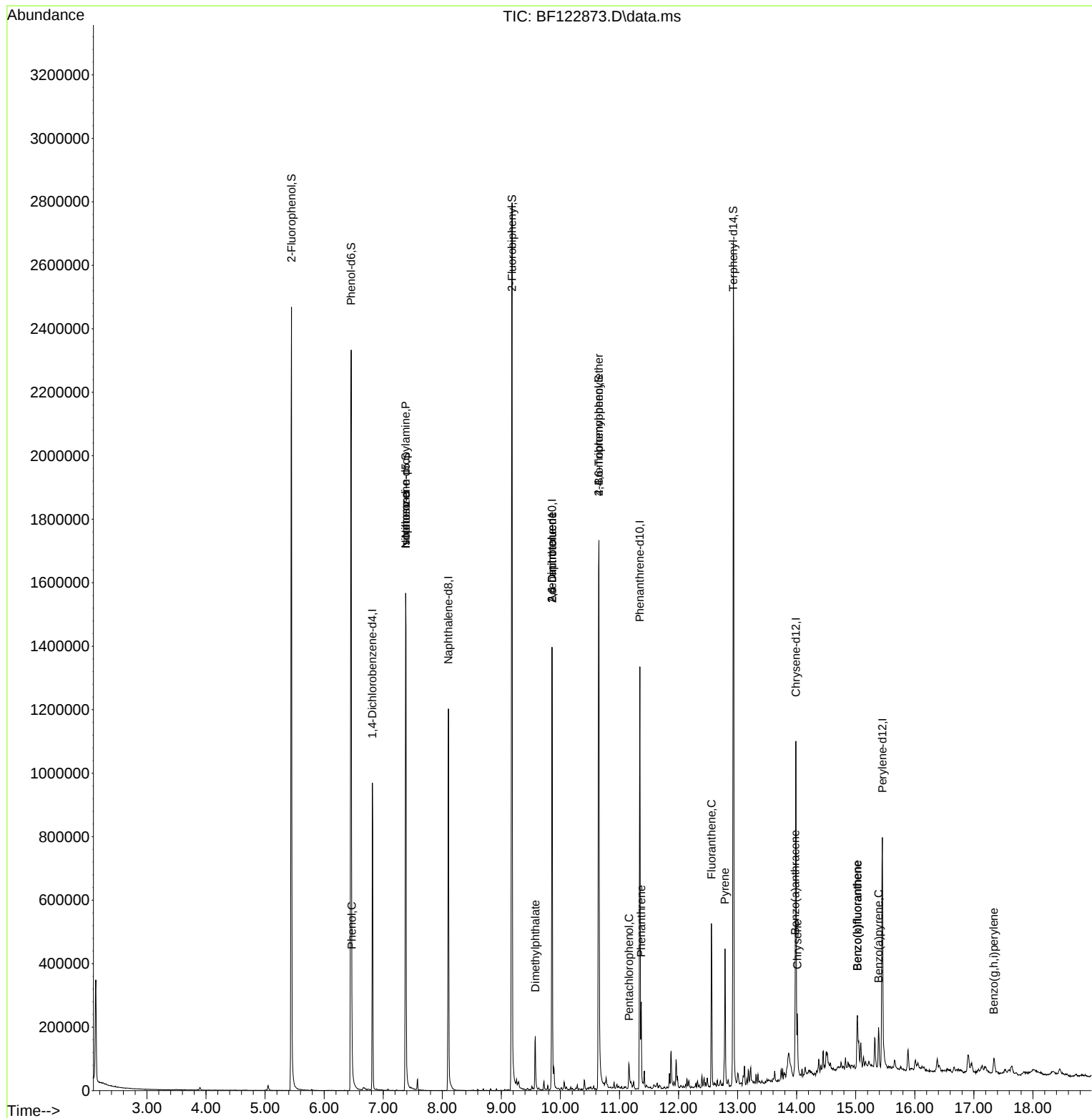
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	151799	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	588907	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	298789	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	490416	20.00	ng	0.00
76) Chrysene-d12	13.986	240	352270	20.00	ng	0.00
86) Perylene-d12	15.451	264	345498	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	746641	77.87	ng	0.01
7) Phenol-d6	6.457	99	916909	72.10	ng	0.00
23) Nitrobenzene-d5	7.381	82	592373	50.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	277242	70.89	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1012873	45.85	ng	0.00
79) Terphenyl-d14	12.927	244	944084	46.91	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.469	94	50164	3.81	ng	92
19) n-Nitroso-di-n-propyla...	7.381	70	79665	10.94	ng	# 77
25) Isophorone	7.381	82	592365	29.26	ng	# 65
50) Dimethylphthalate	9.575	163	86436	3.62	ng	99
51) 2,6-Dinitrotoluene	9.857	165	38465	7.63	ng	# 31
57) 2,4-Dinitrotoluene	9.857	165	38466	5.73	ng	# 25
67) 4-Bromophenyl-phenylether	10.651	248	17329	2.61	ng	# 1
70) Pentachlorophenol	11.163	266	16048	4.12	ng	97
71) Phenanthrene	11.369	178	93245	3.20	ng	97
75) Fluoranthene	12.557	202	196675	6.43	ng	98
78) Pyrene	12.786	202	173509	6.37	ng	98
81) Benzo(a)anthracene	13.974	228	77511	3.29	ng	99
83) Chrysene	14.010	228	76388	3.26	ng	98
88) Benzo(b)fluoranthene	15.027	252	122679	5.06	ng	99
89) Benzo(k)fluoranthene	15.027	252	122679	5.53	ng	98
90) Benzo(a)pyrene	15.386	252	62247	2.94	ng	97
92) Benzo(g,h,i)perylene	17.339	276	40805	2.27	ng	99

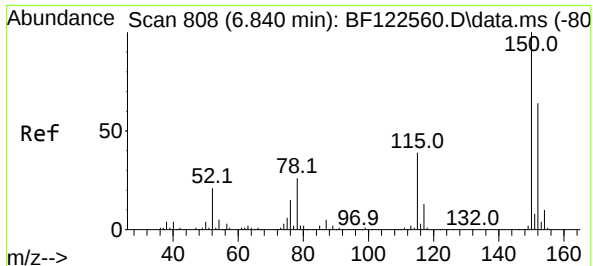
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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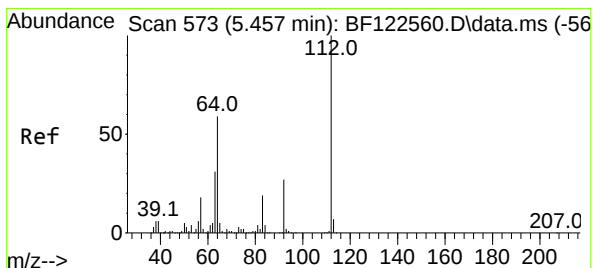
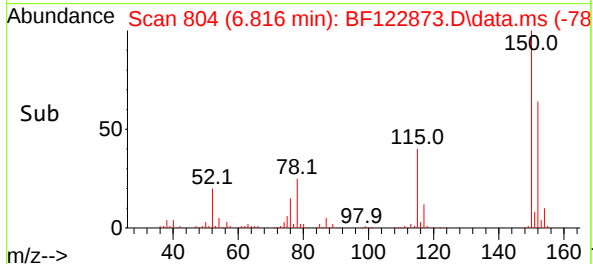
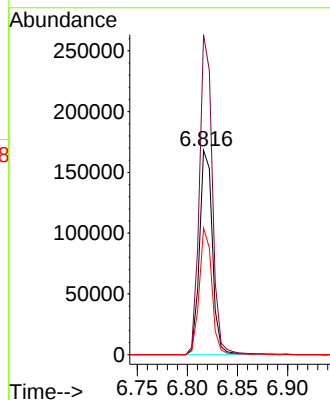
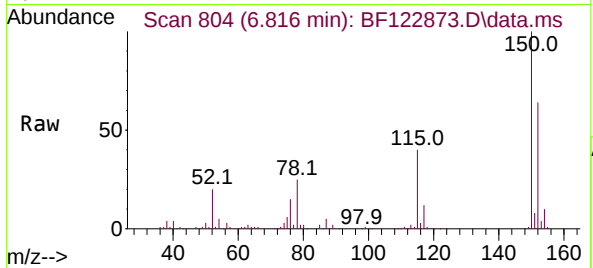




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

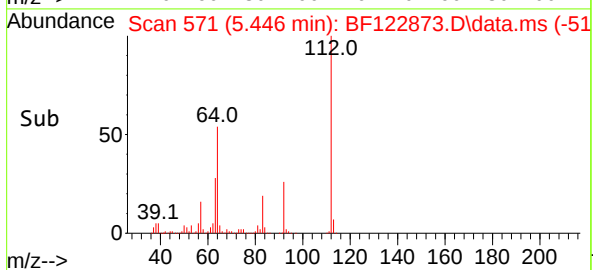
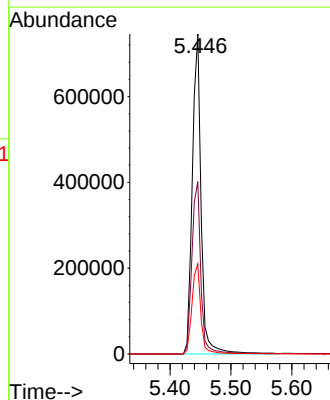
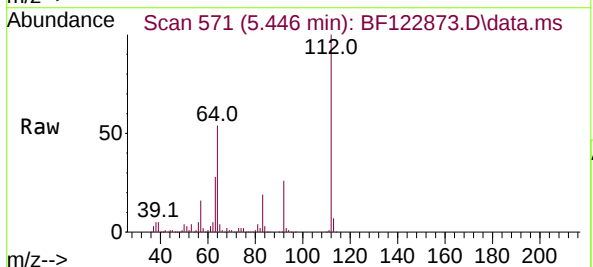
Instrument :
BNA_F
ClientSampleId :
RBR-69

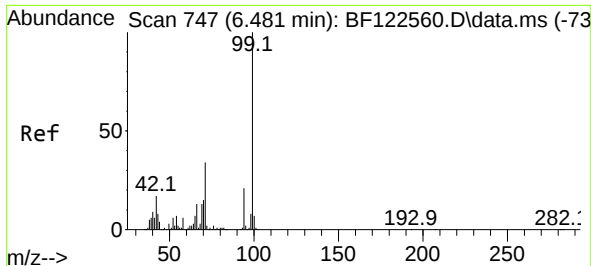
Tgt Ion:152 Resp: 151799
Ion Ratio Lower Upper
152 100
150 156.7 125.8 188.6
115 61.9 49.3 73.9



#5
2-Fluorophenol
Concen: 77.87 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:112 Resp: 746641
Ion Ratio Lower Upper
112 100
64 53.8 46.9 70.3
63 28.1 24.5 36.7

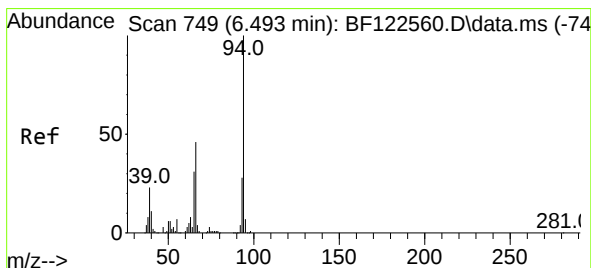
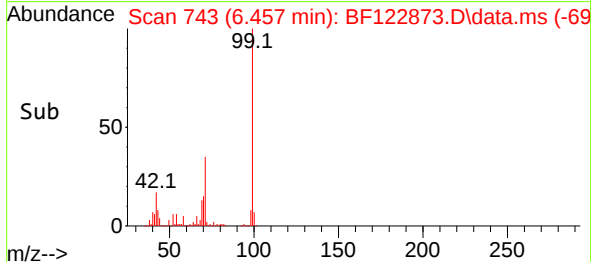
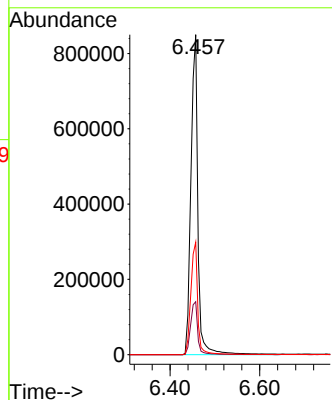
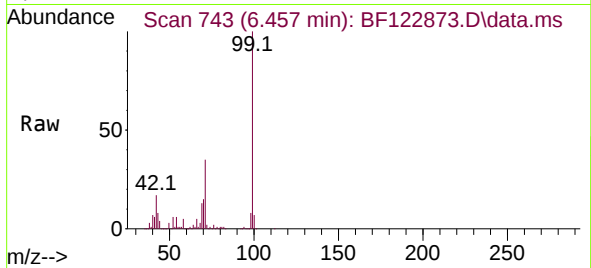




#7
Phenol-d6
Concen: 72.10 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

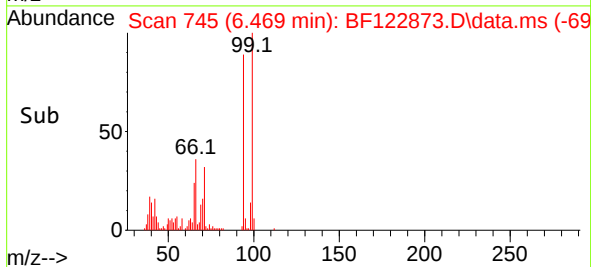
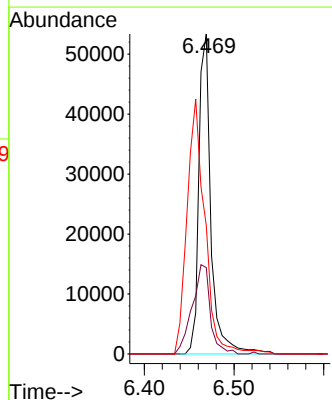
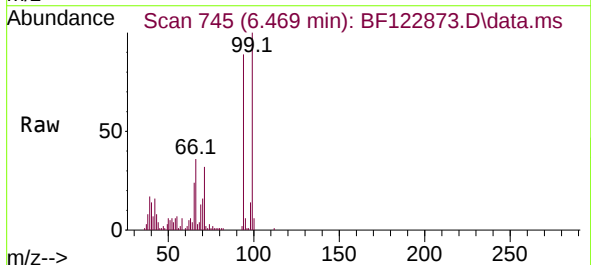
Instrument :
BNA_F
ClientSampleId :
RBR-69

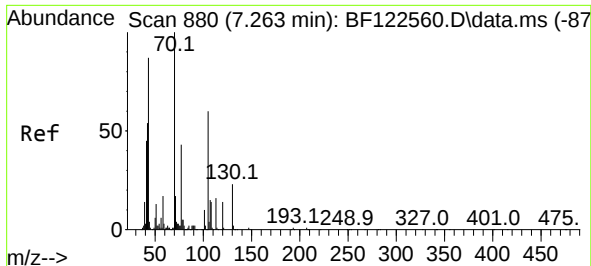
Tgt Ion: 99 Resp: 916909
Ion Ratio Lower Upper
99 100
42 16.6 13.8 20.6
71 35.2 26.9 40.3



#10
Phenol
Concen: 3.81 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion: 94 Resp: 50164
Ion Ratio Lower Upper
94 100
65 27.0 11.2 51.2
66 40.1 25.8 65.8

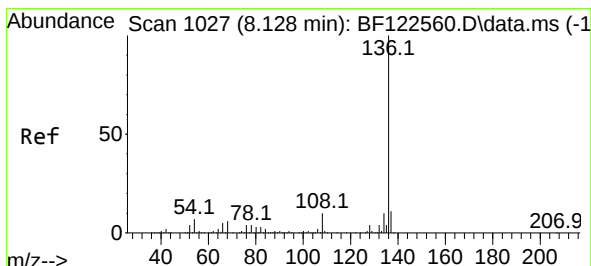
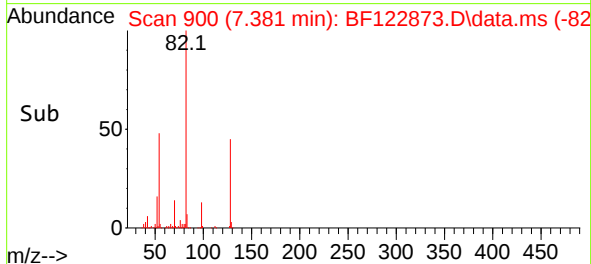
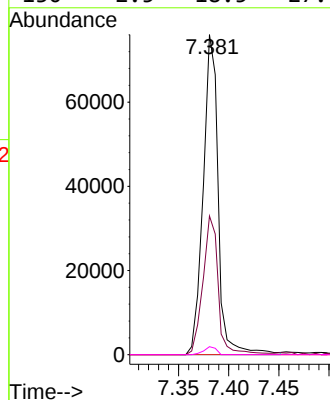
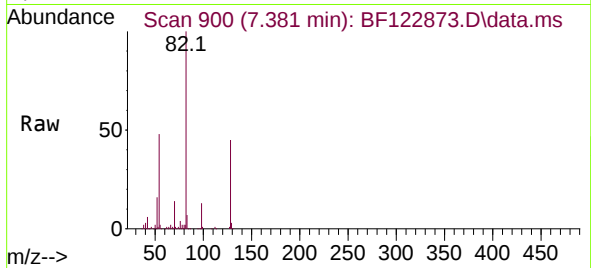




#19
n-Nitroso-di-n-propylamine
Concen: 10.94 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

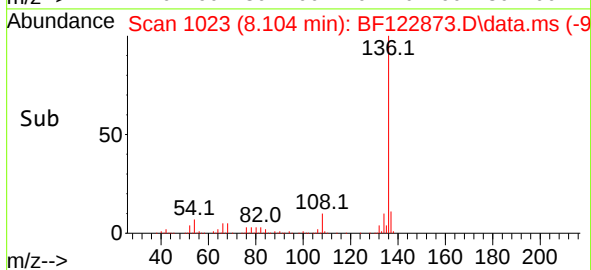
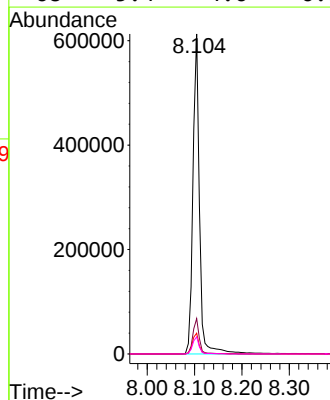
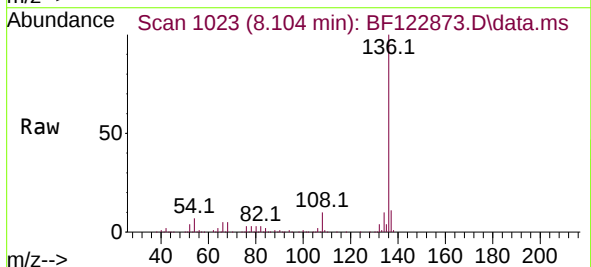
Instrument :
BNA_F
ClientSampleId :
RBR-69

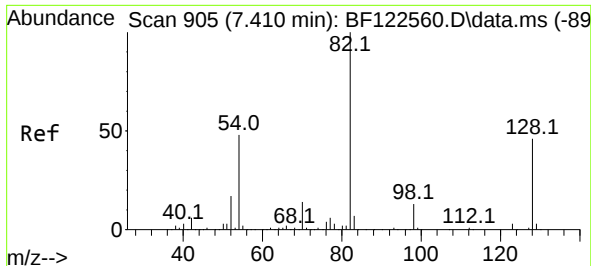
Tgt Ion: 70	Resp: 79665
Ion Ratio	Lower Upper
70 100	
42 43.4	43.0 64.4
101 0.0	7.9 11.9#
130 2.5	18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion: 136	Resp: 588907
Ion Ratio	Lower Upper
136 100	
137 11.1	8.8 13.2
54 6.5	5.5 8.3
68 5.4	4.6 6.8





#23

Nitrobenzene-d5

Concen: 50.40 ng

RT: 7.381 min Scan# 900

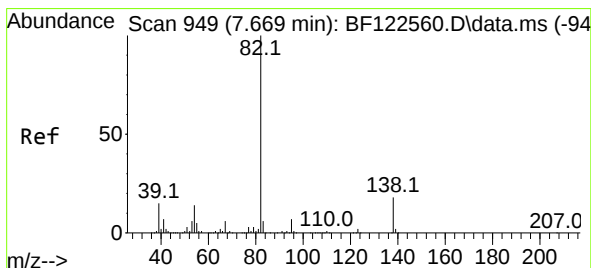
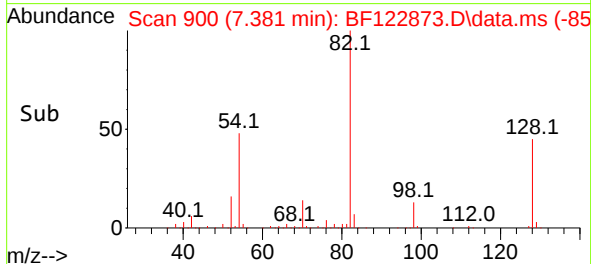
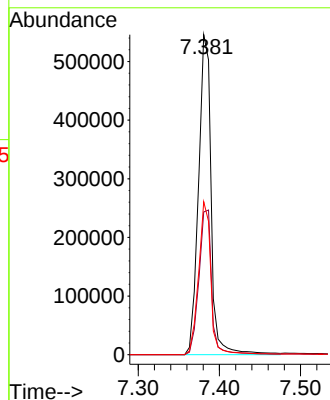
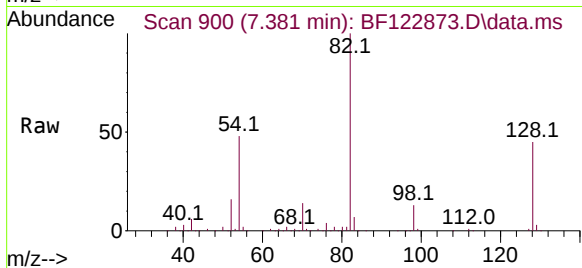
Delta R.T. -0.012 min

Lab File: BF122873.D

Acq: 29 Dec 2020 20:16

Tgt Ion: 82 Resp: 592373

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.0	55.4
54	47.8	38.4	57.6



#25

Isophorone

Concen: 29.26 ng

RT: 7.381 min Scan# 900

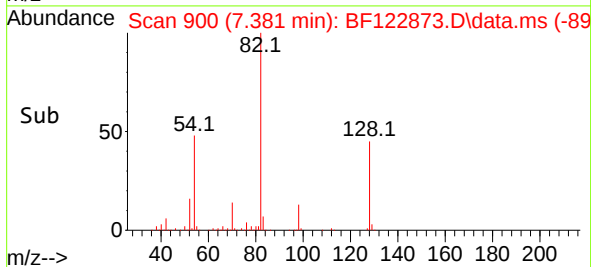
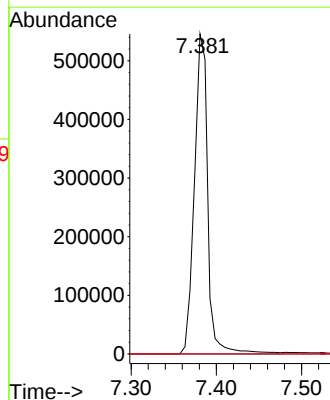
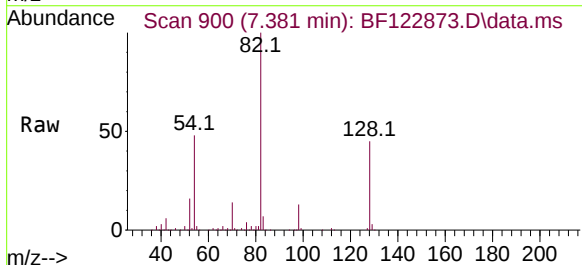
Delta R.T. -0.265 min

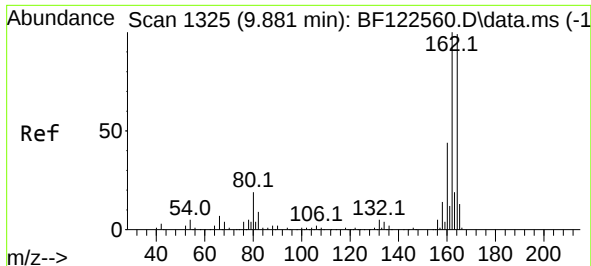
Lab File: BF122873.D

Acq: 29 Dec 2020 20:16

Tgt Ion: 82 Resp: 592365

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

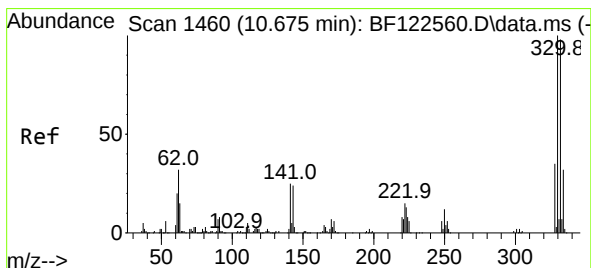
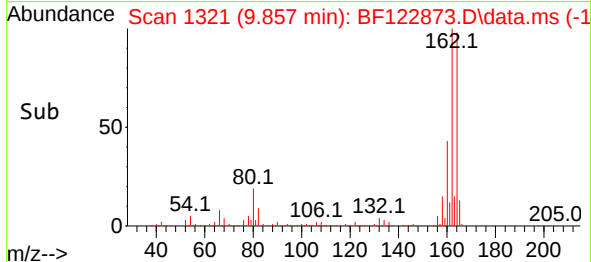
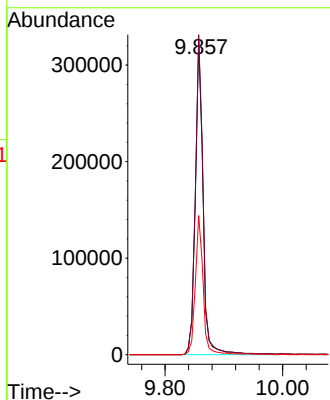
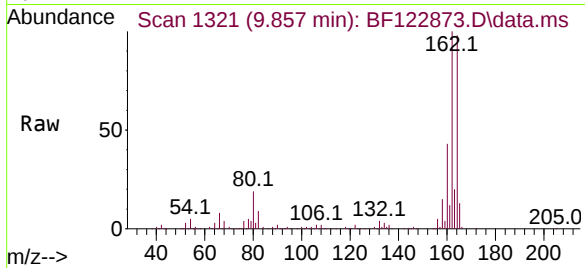




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

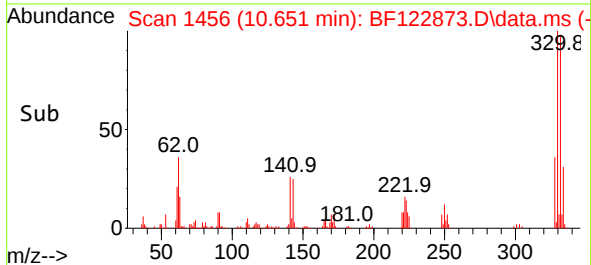
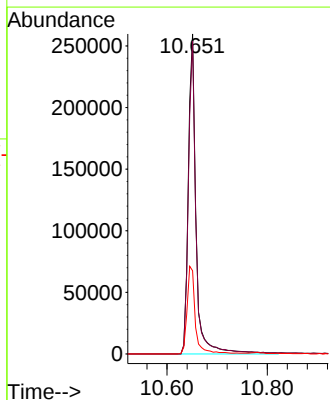
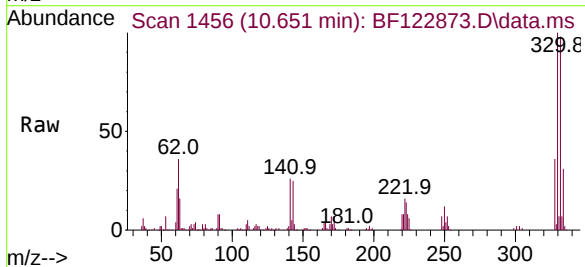
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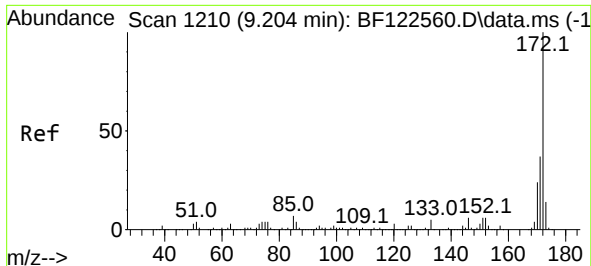
Tgt Ion:164 Resp: 298789
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 44.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 70.89 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:330 Resp: 277242
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 29.1 23.8 35.8

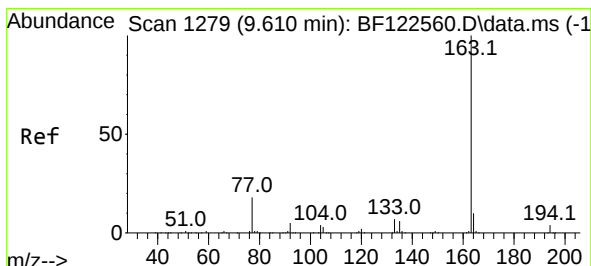
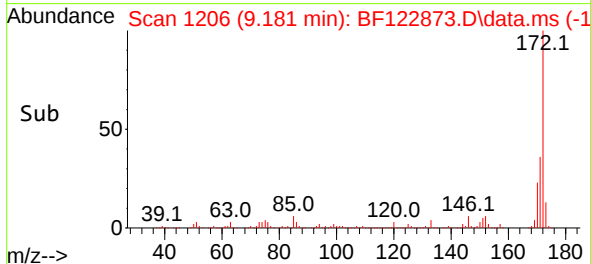
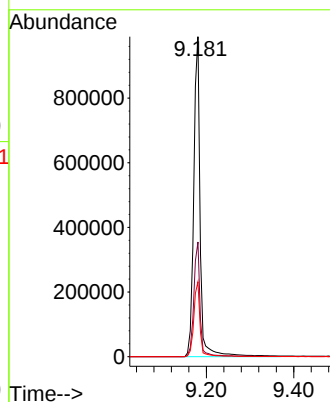
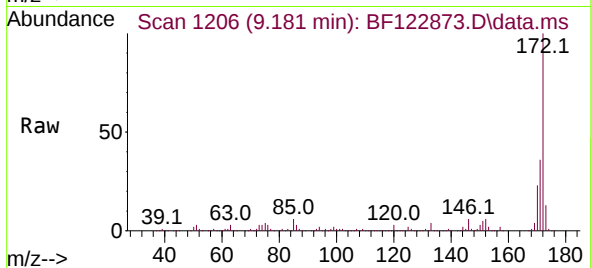




#45
2-Fluorobiphenyl
Concen: 45.85 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

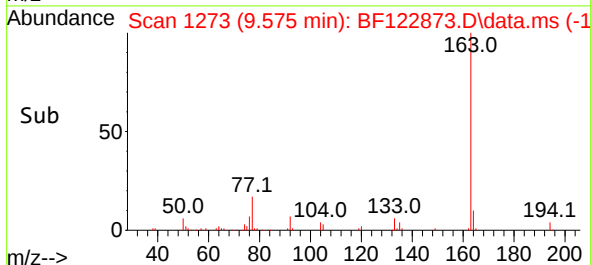
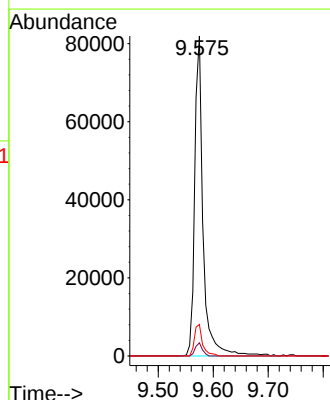
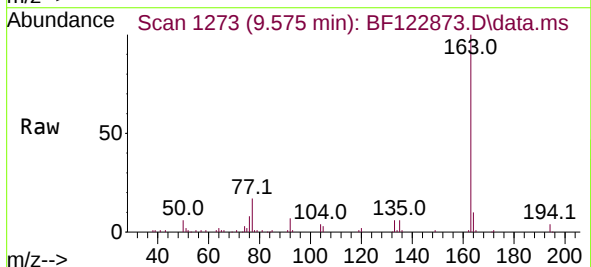
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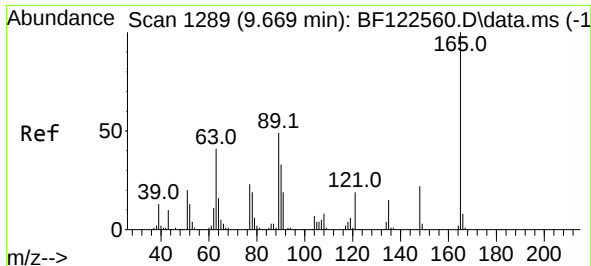
Tgt Ion:172 Resp: 1012873
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.4 19.5 29.3



#50
Dimethylphthalate
Concen: 3.62 ng
RT: 9.575 min Scan# 1273
Delta R.T. -0.012 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:163 Resp: 86436
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.8 8.1 12.1

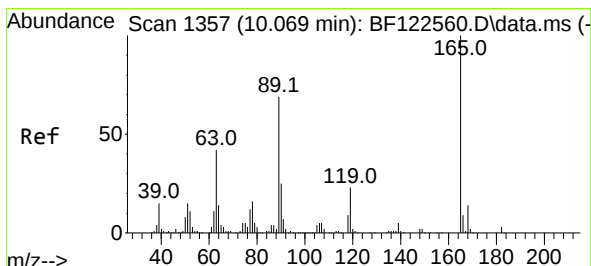
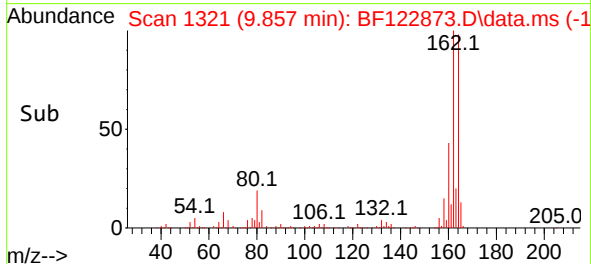
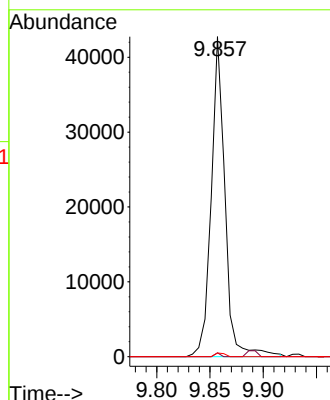
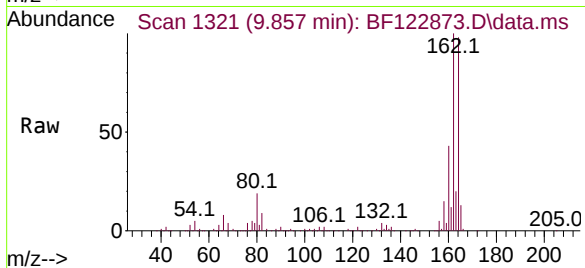




#51
2,6-Dinitrotoluene
Concen: 7.63 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

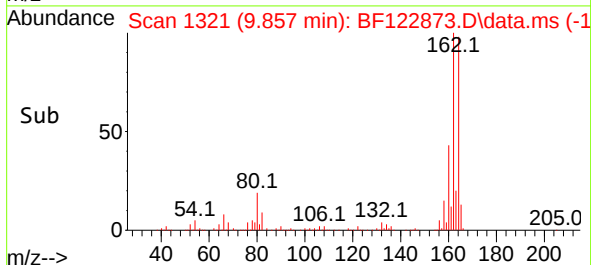
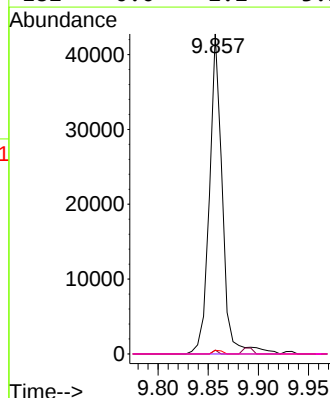
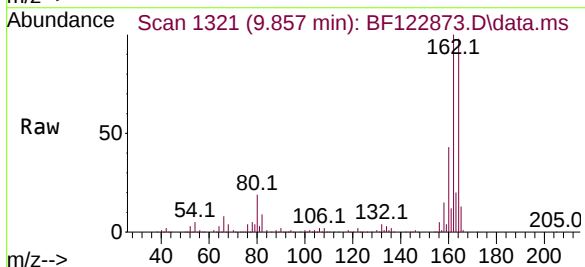
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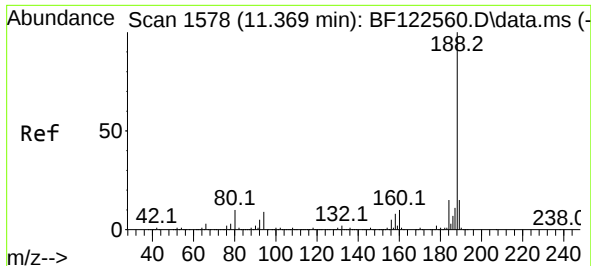
Tgt Ion:165 Resp: 38465
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.1 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.73 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:165 Resp: 38466
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.1 55.2 82.8#
182 0.0 2.2 3.2#

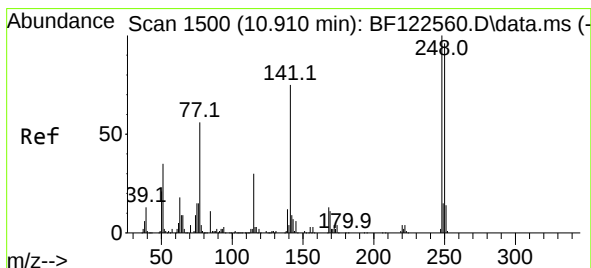
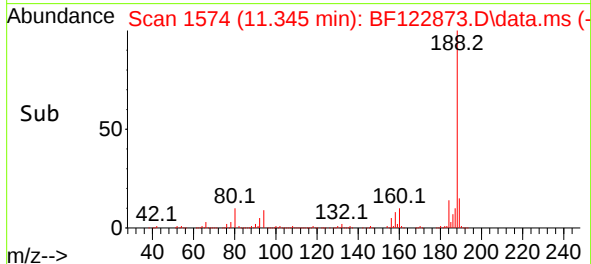
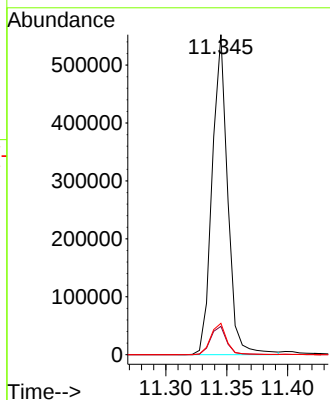
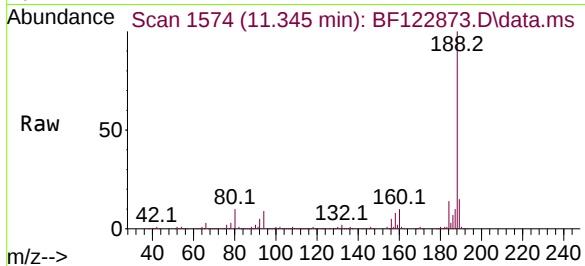




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

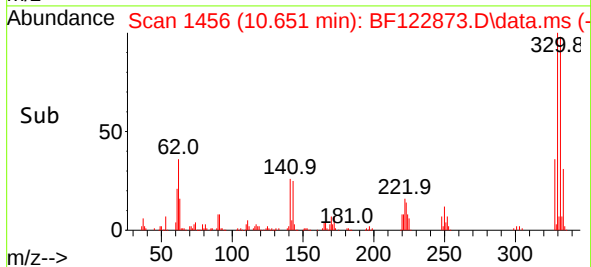
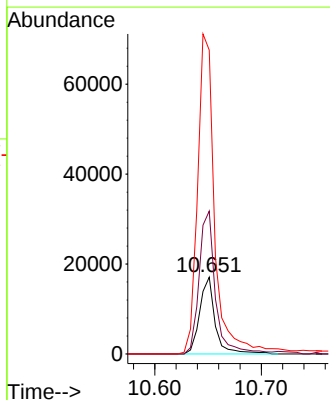
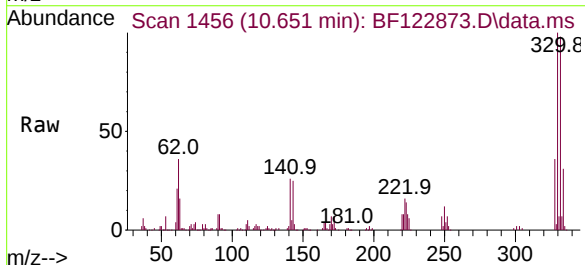
Instrument :
BNA_F
ClientSampleId :
RBR-69

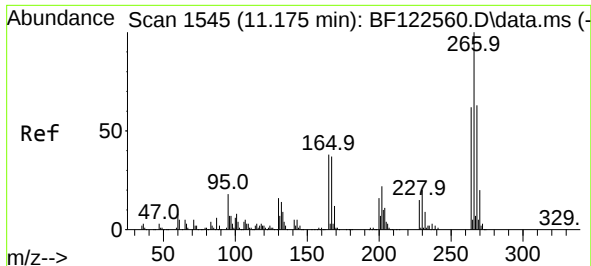
Tgt Ion:188 Resp: 490416
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.8 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.61 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:248 Resp: 17329
Ion Ratio Lower Upper
248 100
250 186.3 76.8 115.2#
141 395.9 59.8 89.8#

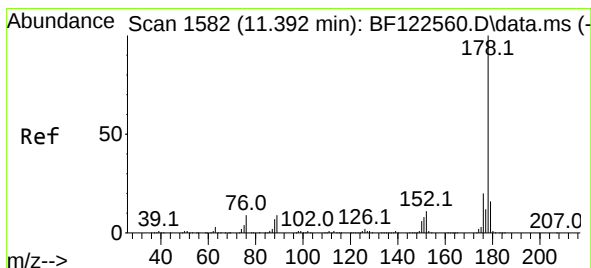
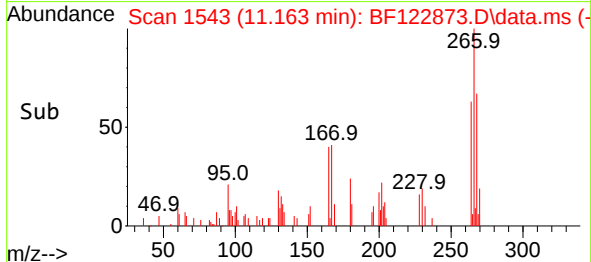
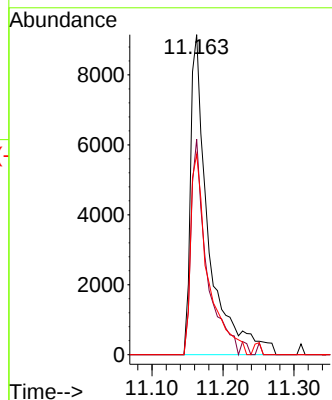
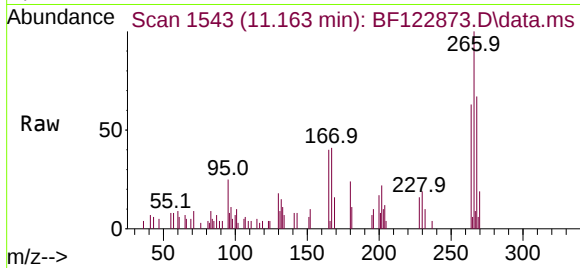




#70
Pentachlorophenol
Concen: 4.12 ng
RT: 11.163 min Scan# 1543
Delta R.T. 0.012 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

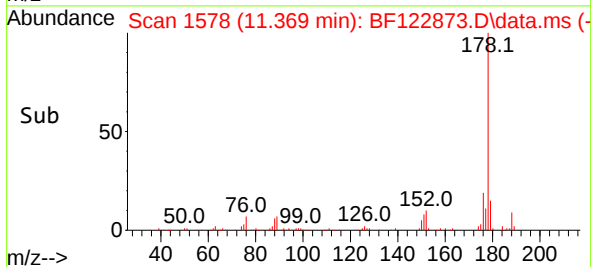
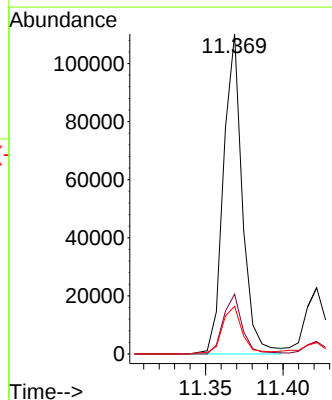
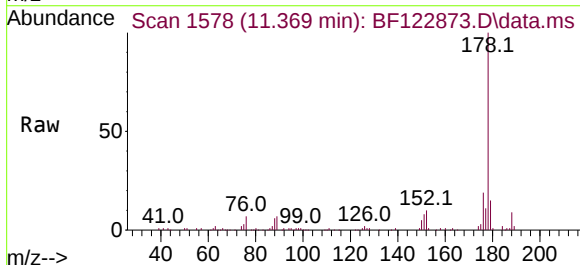
Instrument :
BNA_F
ClientSampleId :
RBR-69

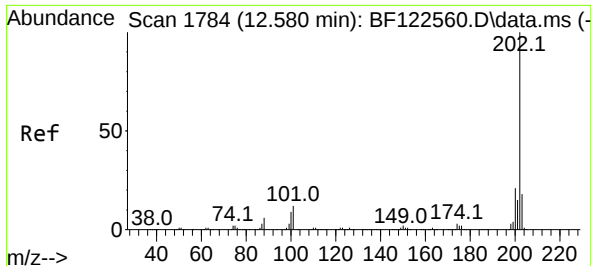
Tgt Ion:266 Resp: 16048
Ion Ratio Lower Upper
266 100
268 67.3 50.5 75.7
264 62.7 49.8 74.8



#71
Phenanthrene
Concen: 3.20 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:178 Resp: 93245
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 14.9 12.7 19.1

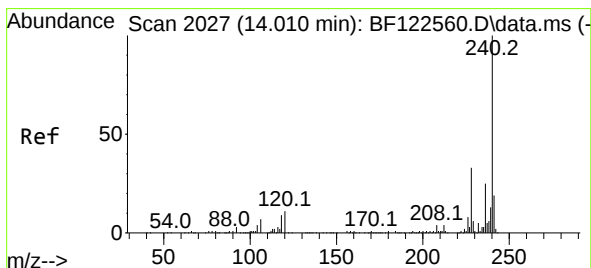
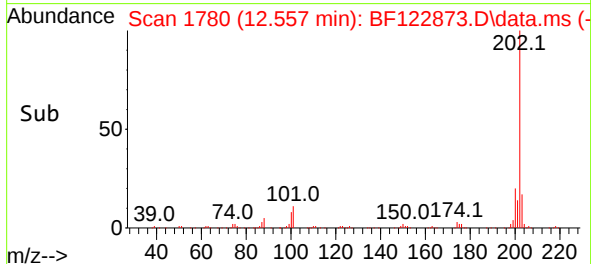
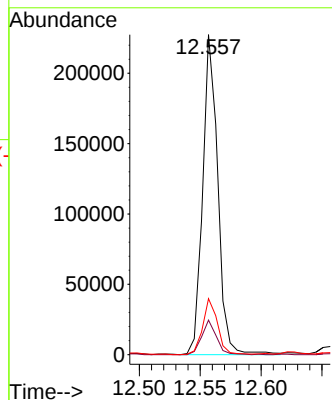
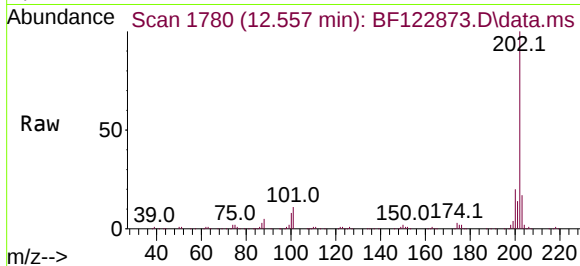




#75
Fluoranthene
Concen: 6.43 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

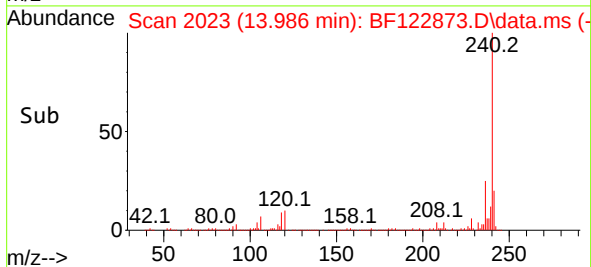
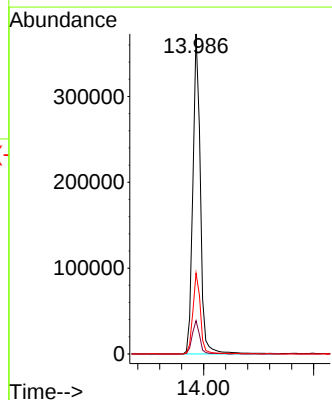
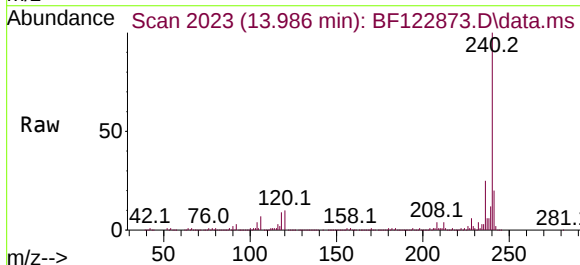
Instrument :
BNA_F
ClientSampleId :
RBR-69

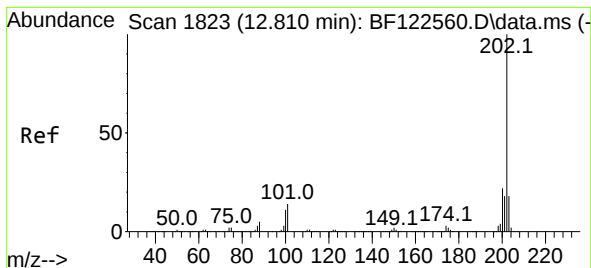
Tgt Ion:202 Resp: 196675
Ion Ratio Lower Upper
202 100
101 10.8 0.0 32.2
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:240 Resp: 352270
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.3 20.3 30.5





#78

Pyrene

Concen: 6.37 ng

RT: 12.786 min Scan# 1819

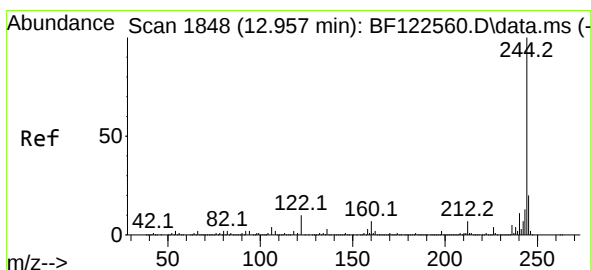
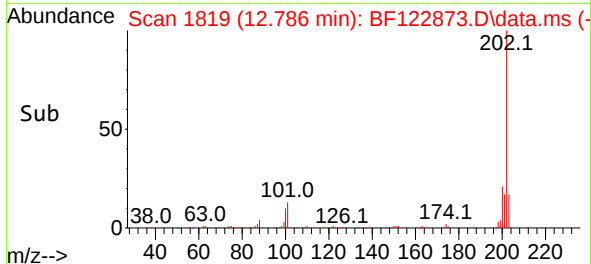
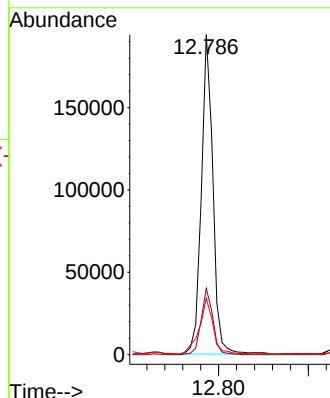
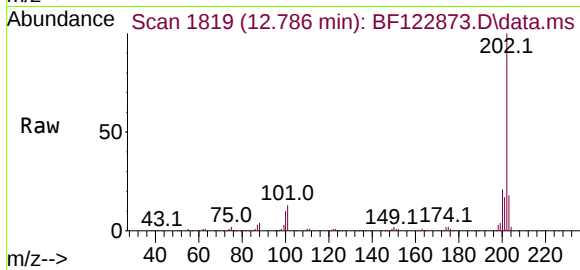
Delta R.T. -0.000 min

Lab File: BF122873.D

Acq: 29 Dec 2020 20:16

Tgt Ion:202 Resp: 173509

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.6	14.6	21.8



#79

Terphenyl-d14

Concen: 46.91 ng

RT: 12.927 min Scan# 1843

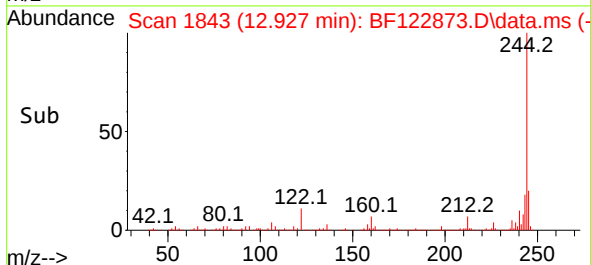
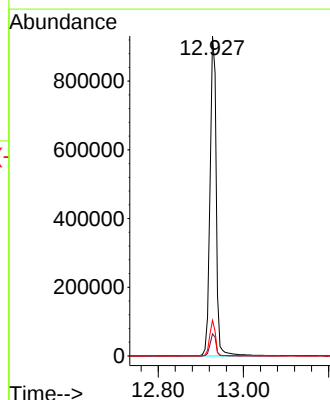
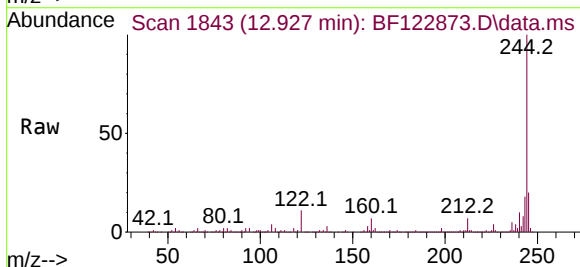
Delta R.T. -0.006 min

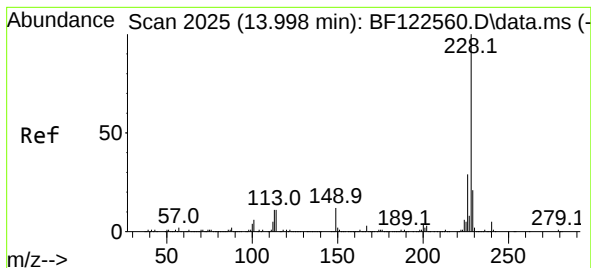
Lab File: BF122873.D

Acq: 29 Dec 2020 20:16

Tgt Ion:244 Resp: 944084

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.1	8.3	12.5

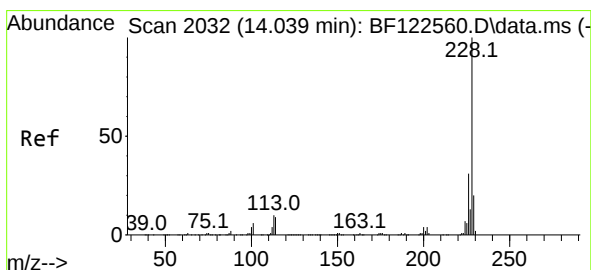
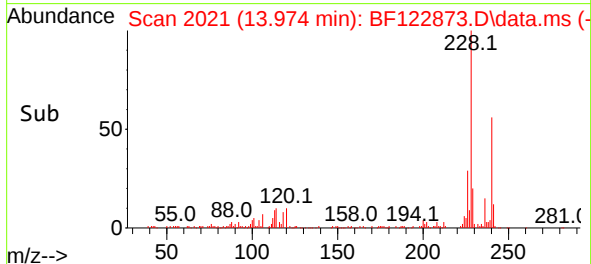
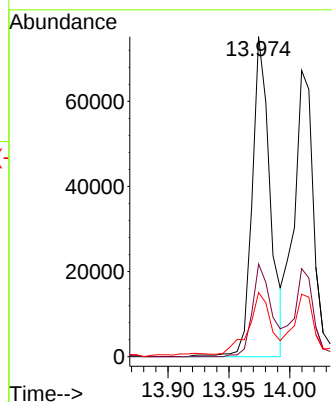
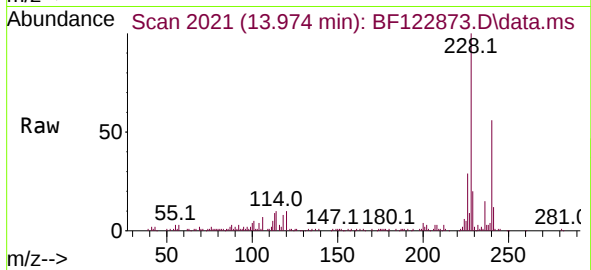




#81
Benzo(a)anthracene
Concen: 3.29 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

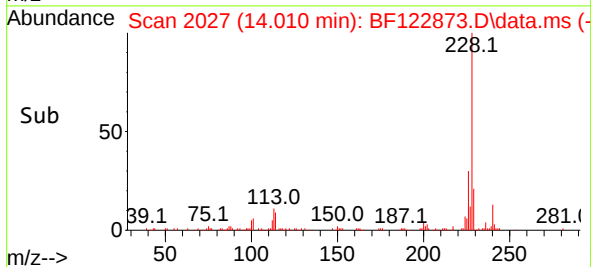
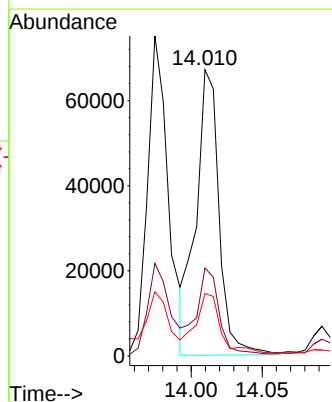
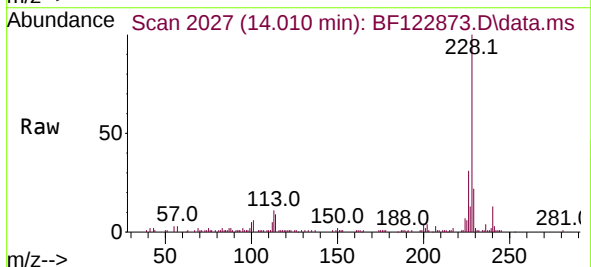
Instrument :
BNA_F
ClientSampleId :
RBR-69

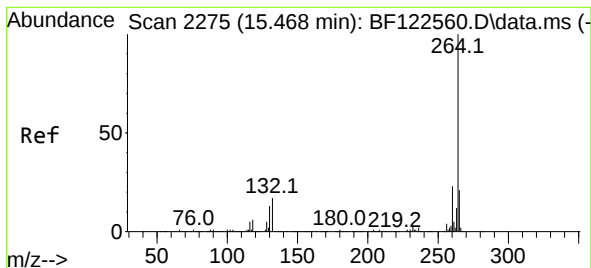
Tgt Ion:228 Resp: 77511
Ion Ratio Lower Upper
228 100
226 29.0 23.0 34.4
229 20.1 16.6 24.8



#83
Chrysene
Concen: 3.26 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:228 Resp: 76388
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 21.8 15.8 23.6

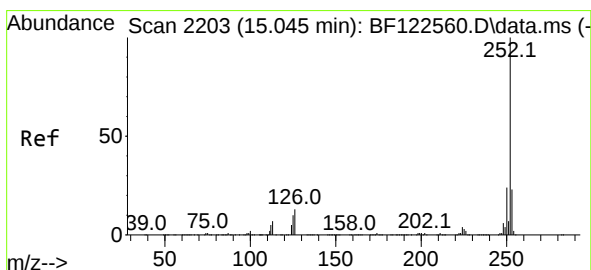
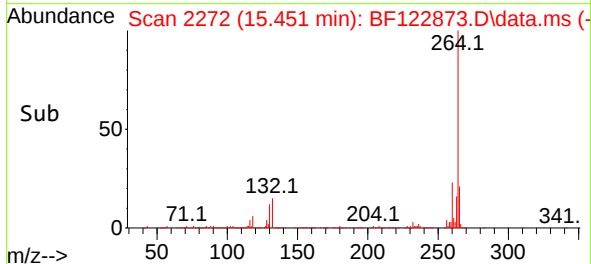
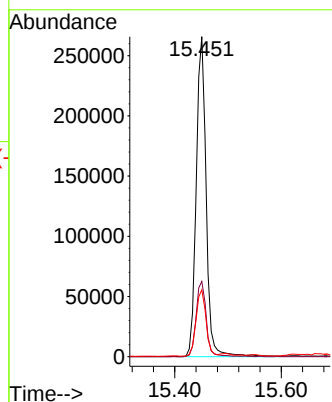
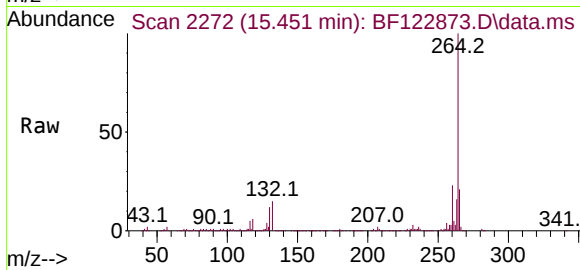




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. 0.012 min
 Lab File: BF122873.D
 Acq: 29 Dec 2020 20:16

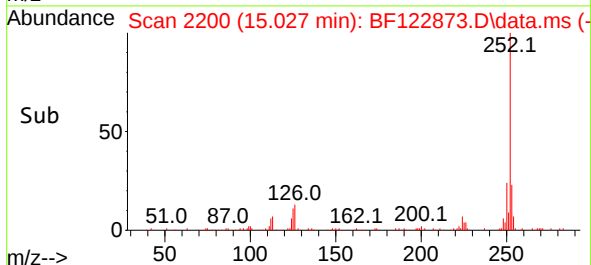
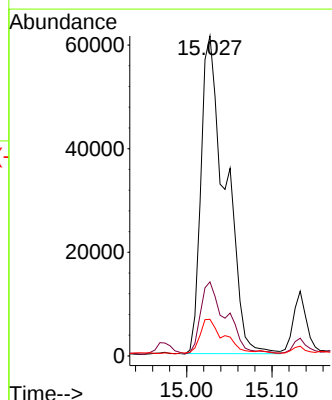
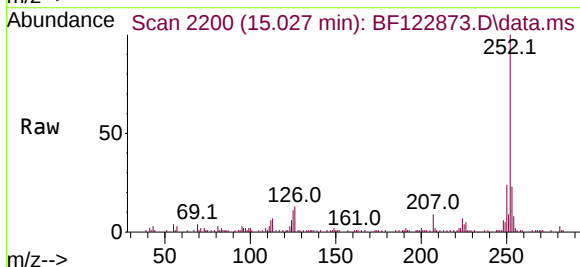
Instrument :
 BNA_F
 ClientSampleId :
 RBR-69

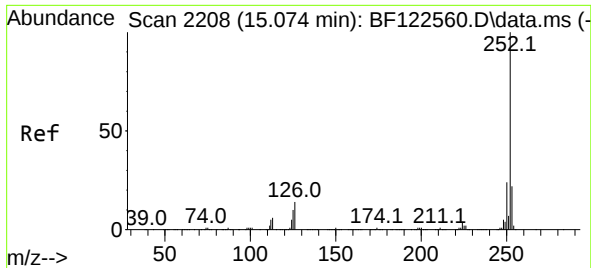
Tgt Ion:264 Resp: 345498
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 20.9 17.0 25.6



#88
 Benzo(b)fluoranthene
 Concen: 5.06 ng
 RT: 15.027 min Scan# 2200
 Delta R.T. 0.006 min
 Lab File: BF122873.D
 Acq: 29 Dec 2020 20:16

Tgt Ion:252 Resp: 122679
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.3 27.5
 125 11.4 8.1 12.1

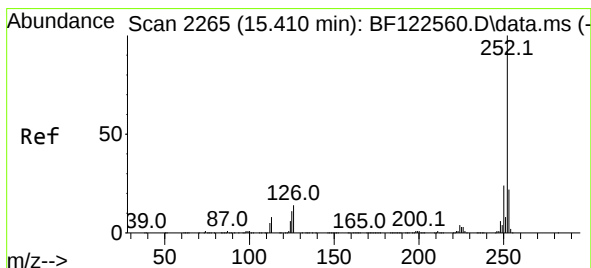
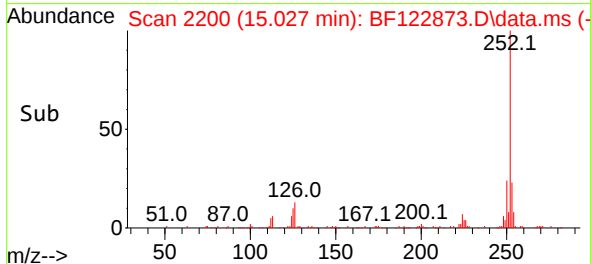
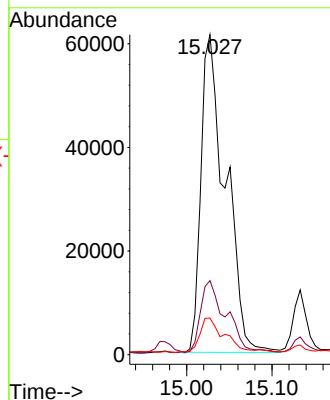
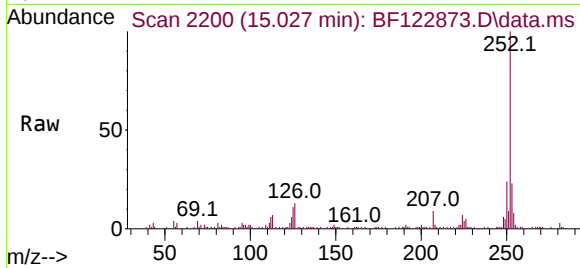




#89
Benzo(k)fluoranthene
Concen: 5.53 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.024 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

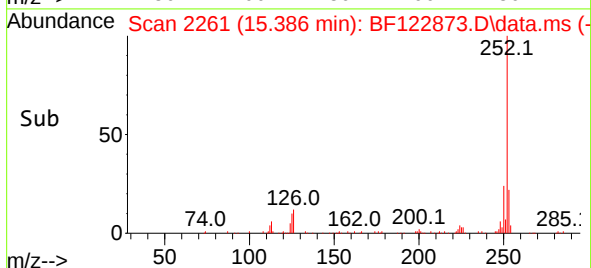
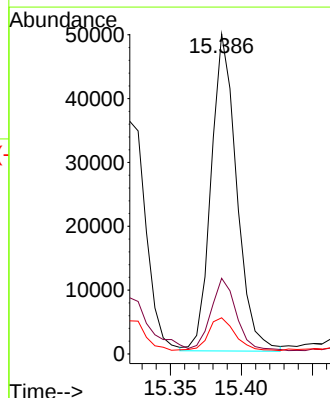
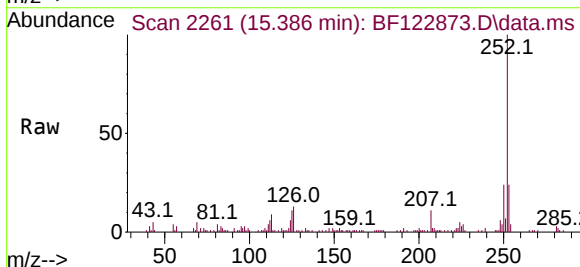
Instrument :
BNA_F
ClientSampleId :
RBR-69

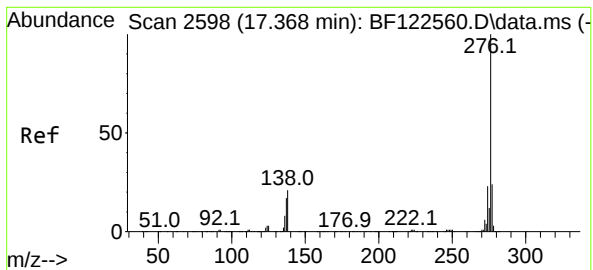
Tgt Ion:252 Resp: 122679
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.4 8.4 12.6



#90
Benzo(a)pyrene
Concen: 2.94 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Tgt Ion:252 Resp: 62247
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.3 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 2.27 ng
RT: 17.339 min Scan# 2593
Delta R.T. 0.012 min
Lab File: BF122873.D
Acq: 29 Dec 2020 20:16

Instrument :
BNA_F
ClientSampleId :
RBR-69

Tgt Ion:	276	Resp:	40805
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.3	28.9
138	21.4	16.6	24.8

