

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122420\
 Data File : BF122863.D
 Acq On : 24 Dec 2020 19:15
 Operator : JU/CG
 Sample : L5199-01DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-122320DL

Quant Time: Dec 25 00:07:39 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)

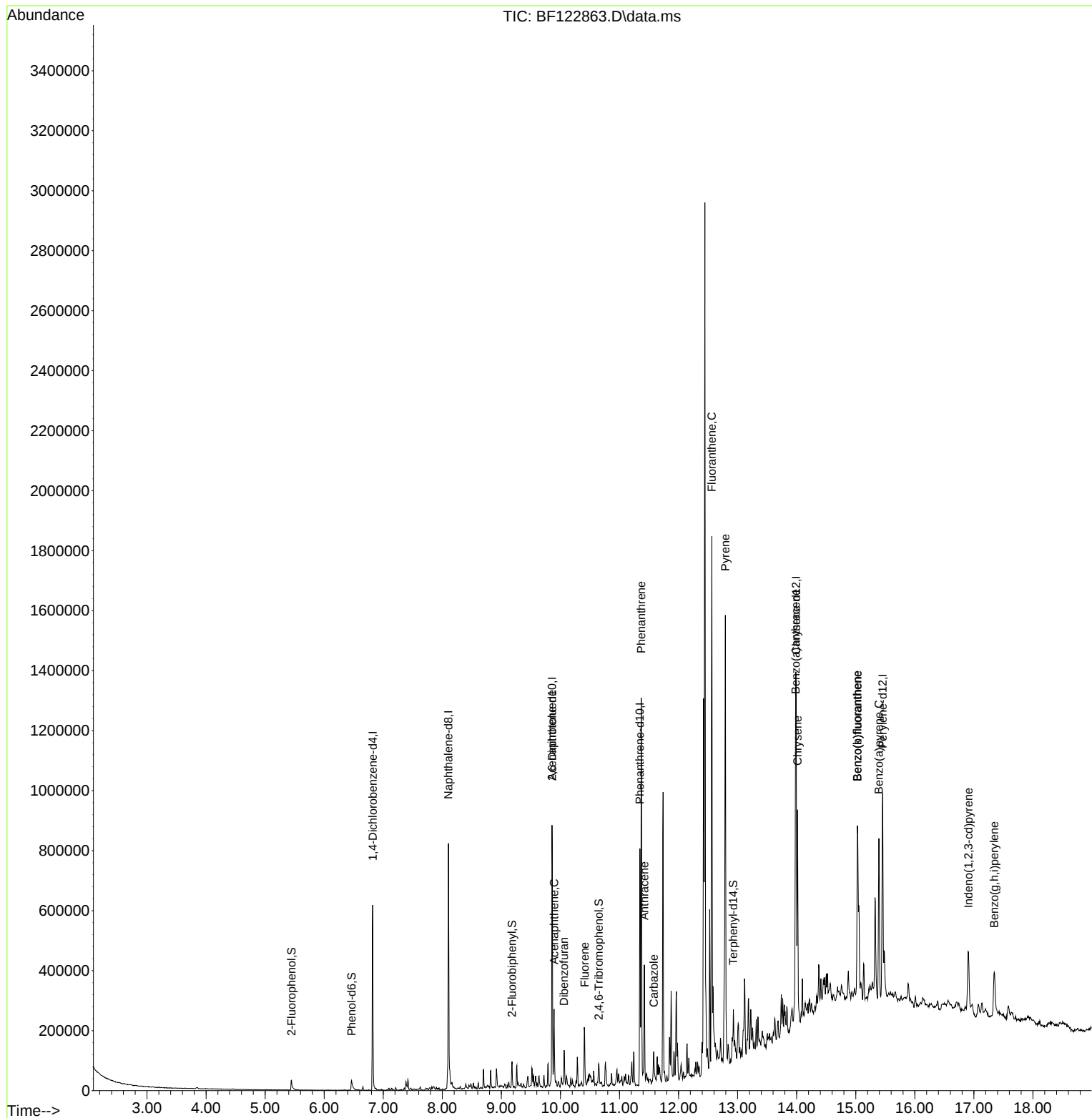
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	103208	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	371527	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	178430	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	284291	20.00	ng	0.00
76) Chrysene-d12	13.992	240	301897	20.00	ng	0.00
86) Perylene-d12	15.457	264	315314	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	19243	2.95	ng	0.01
7) Phenol-d6	6.463	99	24484	2.83	ng	0.00
23) Nitrobenzene-d5	7.386	82	13246	1.79	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	6101	2.61	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	33404	2.53	ng	0.00
79) Terphenyl-d14	12.927	244	51641	2.99	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.857	165	23970	7.96	ng	# 31
52) Acenaphthene	9.892	154	49705	4.24	ng	98
55) Dibenzofuran	10.063	168	44237	2.68	ng	96
58) Fluorene	10.410	166	60320	4.60	ng	99
71) Phenanthrene	11.369	178	460700	27.27	ng	98
72) Anthracene	11.422	178	144491	8.62	ng	97
73) Carbazole	11.580	167	42731	2.81	ng	97
75) Fluoranthene	12.563	202	643542	36.32	ng	98
78) Pyrene	12.792	202	607771	26.04	ng	98
81) Benzo(a)anthracene	13.980	228	313334	15.53	ng	99
83) Chrysene	14.015	228	259772	12.94	ng	96
87) Indeno(1,2,3-cd)pyrene	16.909	276	128230	6.20	ng	95
88) Benzo(b)fluoranthene	15.027	252	449964	20.34	ng	98
89) Benzo(k)fluoranthene	15.027	252	449964	22.24	ng	98
90) Benzo(a)pyrene	15.392	252	261974	13.54	ng	97
92) Benzo(g,h,i)perylene	17.345	276	127928	7.80	ng	99

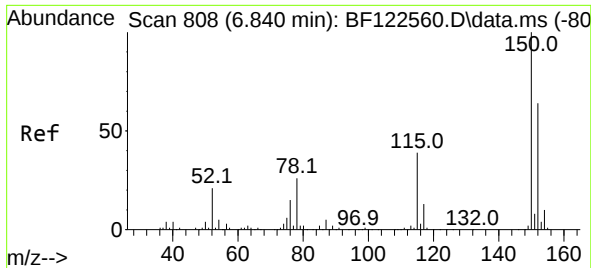
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 15 18:14:23 2020
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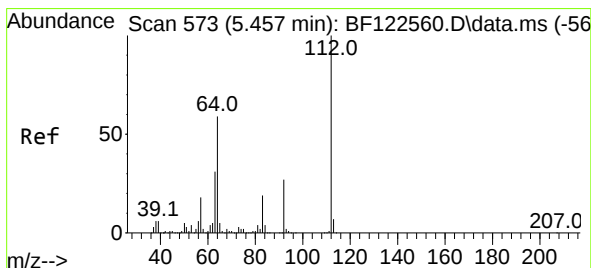
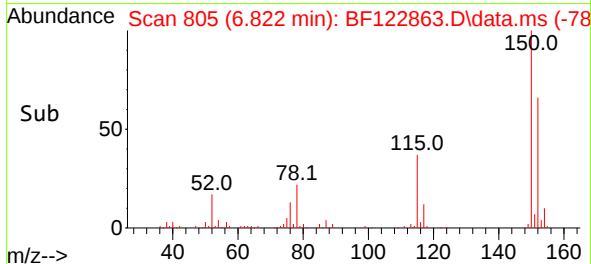
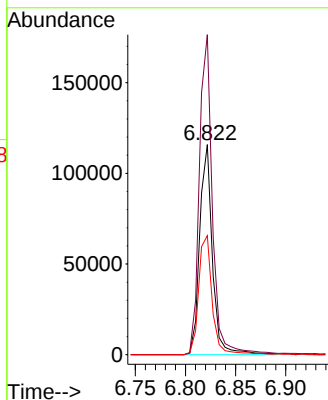
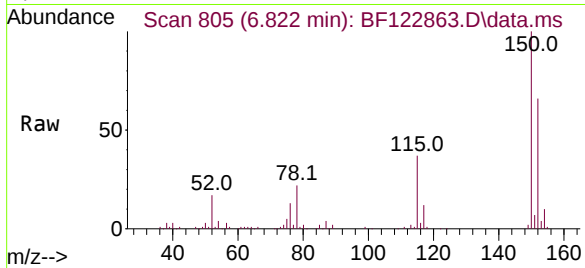




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

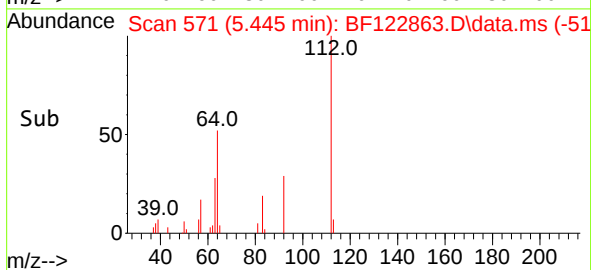
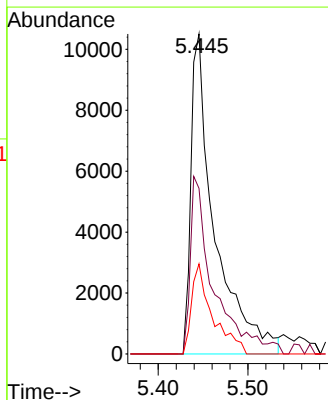
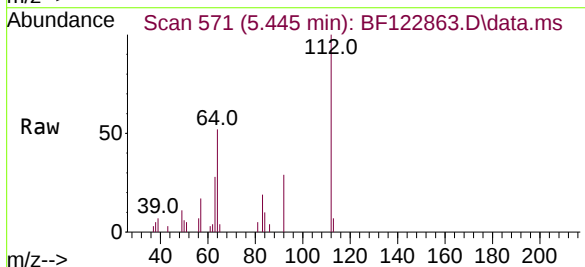
Instrument :
BNA_F
ClientSampleId :
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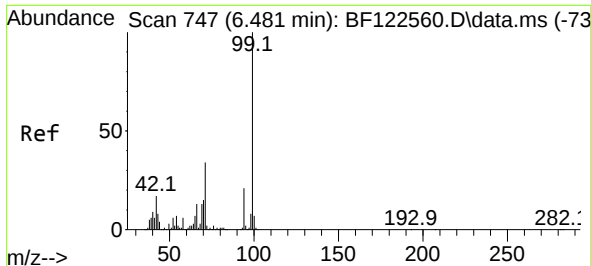
Tgt Ion:152 Resp: 103208
Ion Ratio Lower Upper
152 100
150 152.4 125.8 188.6
115 56.7 49.3 73.9



#5
2-Fluorophenol
Concen: 2.95 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:112 Resp: 19243
Ion Ratio Lower Upper
112 100
64 51.8 46.9 70.3
63 28.2 24.5 36.7

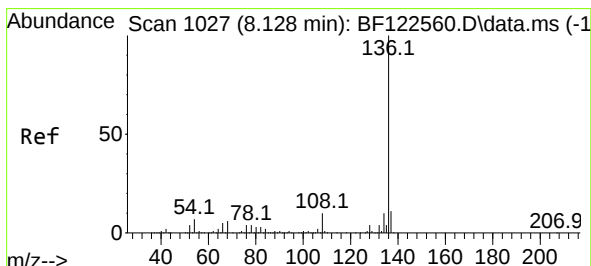
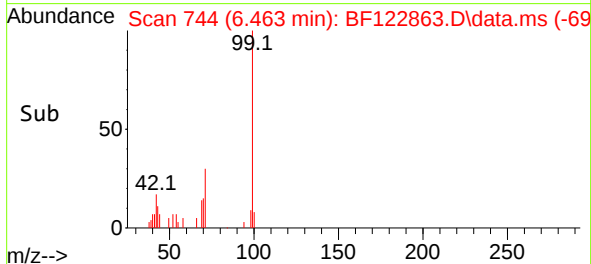
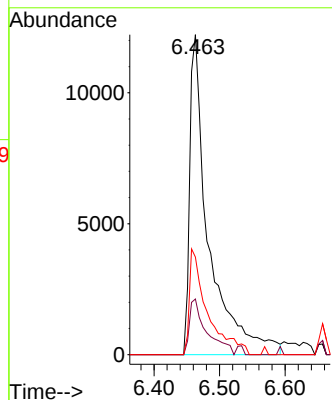
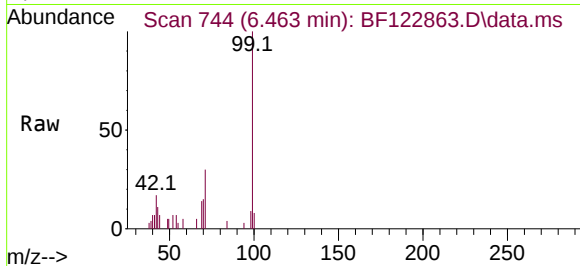




#7
Phenol-d6
Concen: 2.83 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

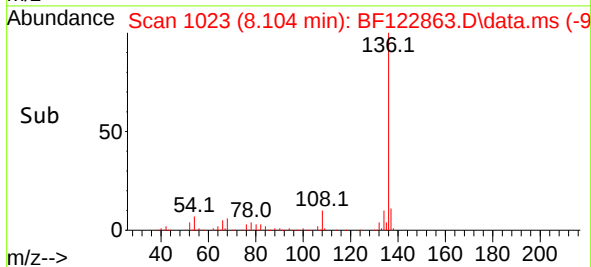
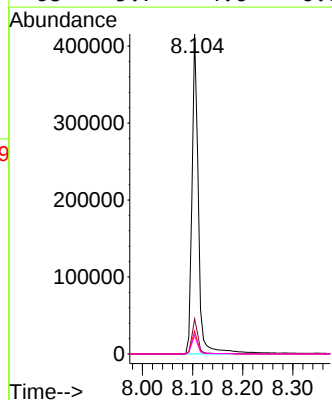
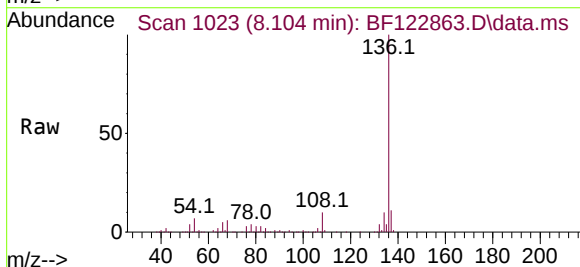
Instrument :
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ClientSampleId :
OR-03-122320DL

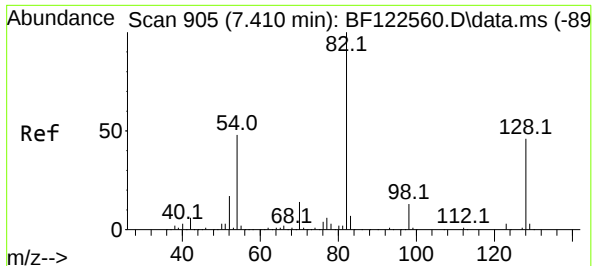
Tgt Ion:	99	Resp:	24484
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.8	20.6
71	30.5	26.9	40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:	136	Resp:	371527
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.1	5.5	8.3
68	5.7	4.6	6.8





#23

Nitrobenzene-d5

Concen: 1.79 ng

RT: 7.386 min Scan# 901

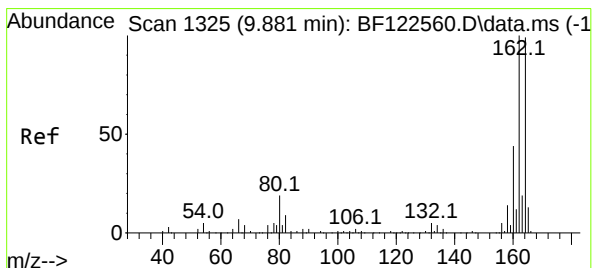
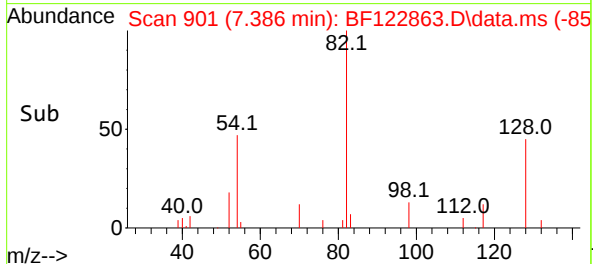
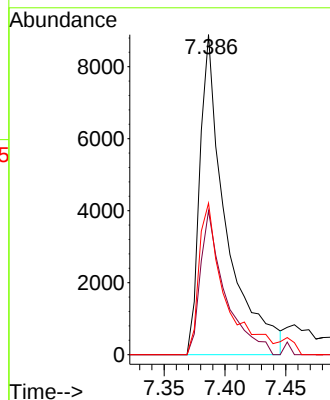
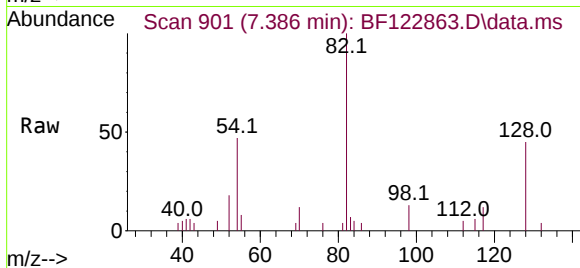
Delta R.T. -0.006 min

Lab File: BF122863.D

Acq: 24 Dec 2020 19:15

Tgt Ion: 82 Resp: 13246

Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.0	55.4
54	47.4	38.4	57.6



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.857 min Scan# 1321

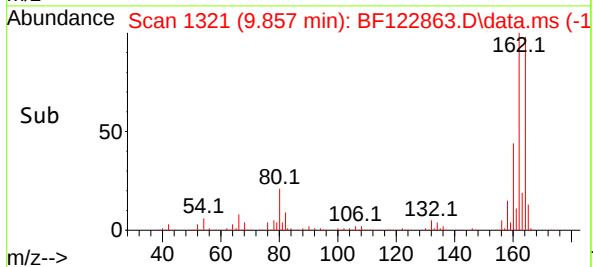
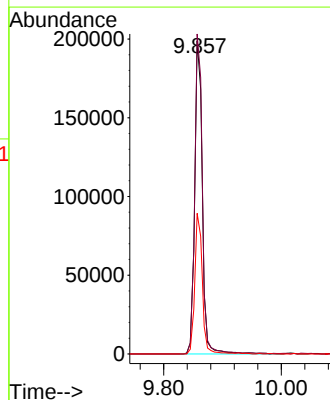
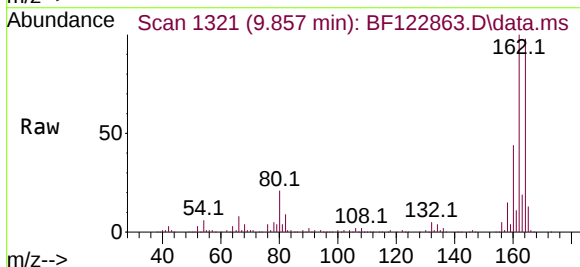
Delta R.T. -0.006 min

Lab File: BF122863.D

Acq: 24 Dec 2020 19:15

Tgt Ion: 164 Resp: 178430

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.8	121.2
160	44.9	35.4	53.0

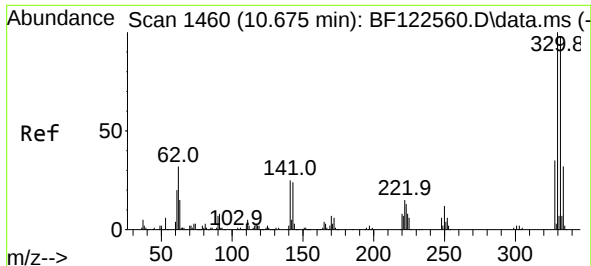


Instrument :

BNA_F

ClientSampleId :

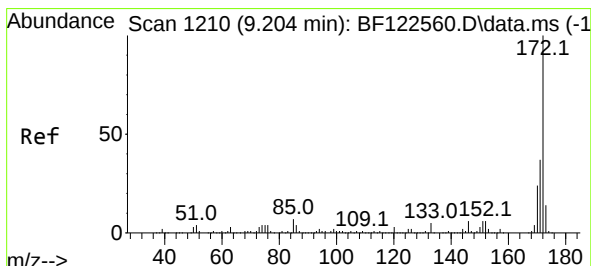
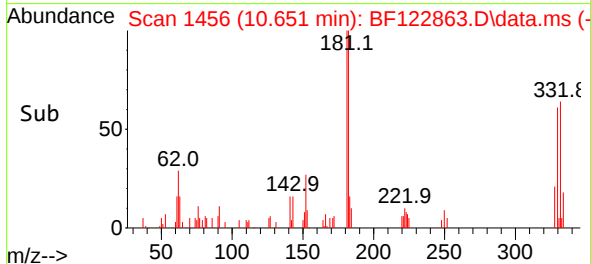
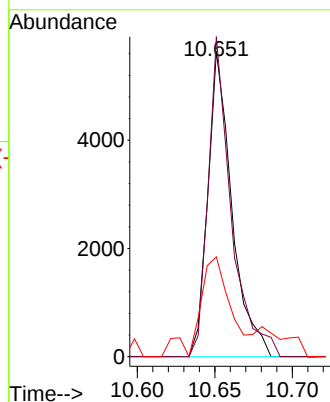
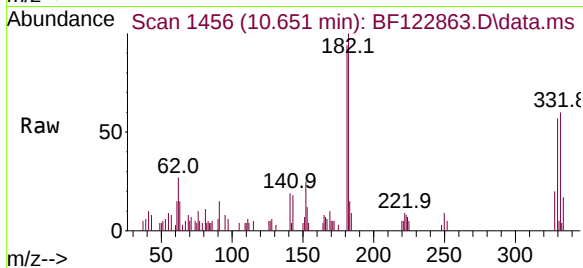
OR-03-122320DL



#42
2,4,6-Tribromophenol
Concen: 2.61 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

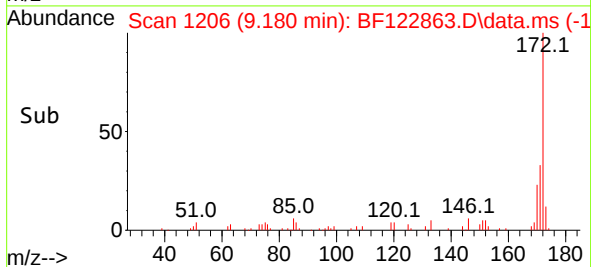
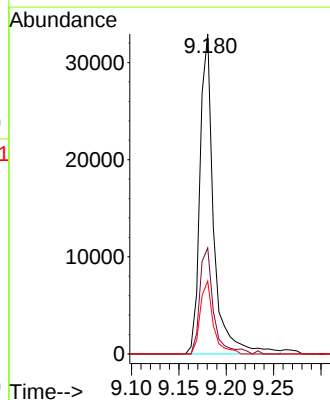
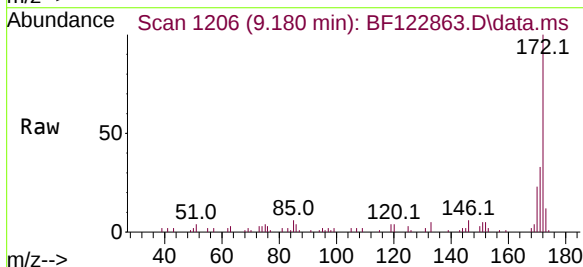
Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

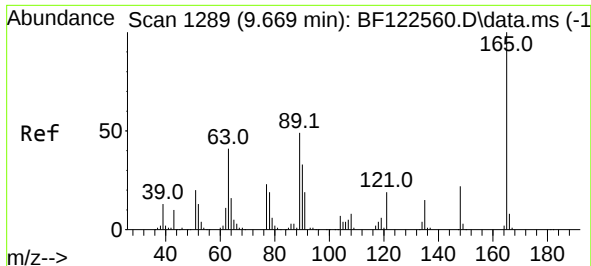
Tgt Ion: 330 Resp: 6101
Ion Ratio Lower Upper
330 100
332 100.1 77.5 116.3
141 44.2 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 2.53 ng
RT: 9.180 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion: 172 Resp: 33404
Ion Ratio Lower Upper
172 100
171 33.2 29.6 44.4
170 22.8 19.5 29.3

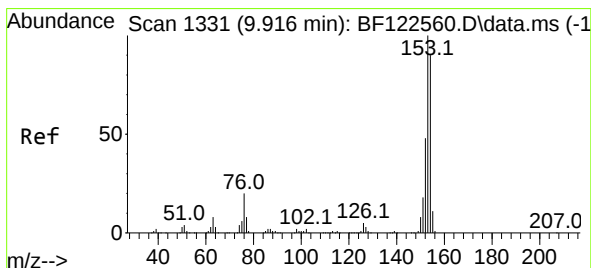
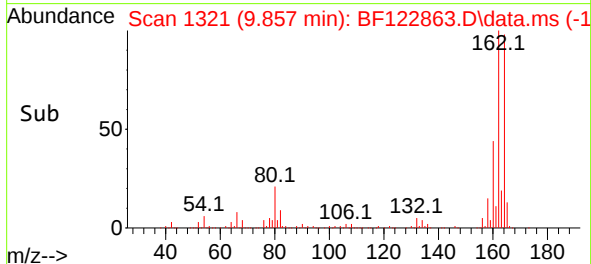
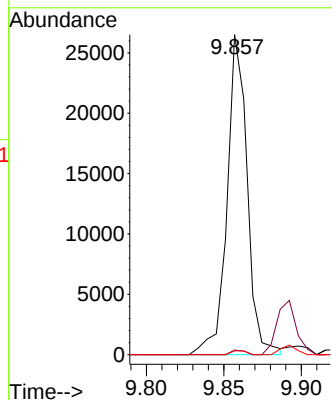
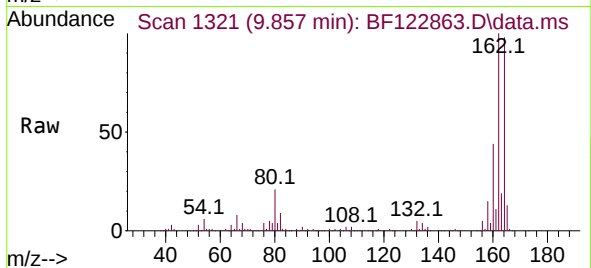




#51
2,6-Dinitrotoluene
Concen: 7.96 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

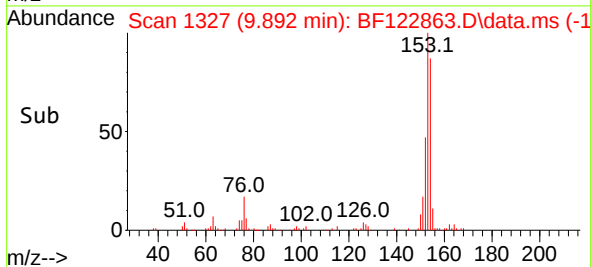
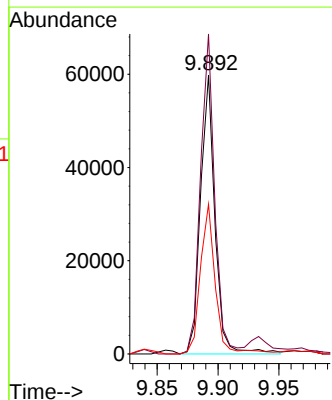
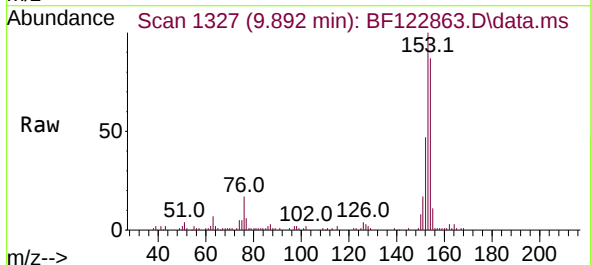
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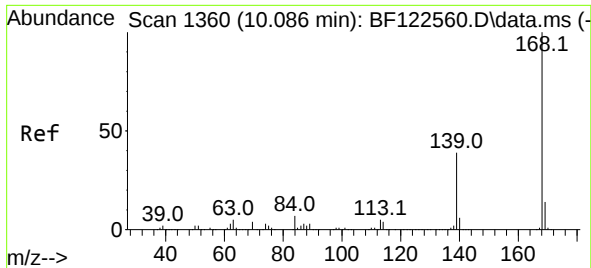
Tgt Ion:165 Resp: 23970
Ion Ratio Lower Upper
165 100
63 1.4 36.6 55.0#
89 1.2 39.4 59.0#



#52
Acenaphthene
Concen: 4.24 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:154 Resp: 49705
Ion Ratio Lower Upper
154 100
153 114.8 89.0 133.6
152 53.7 42.7 64.1

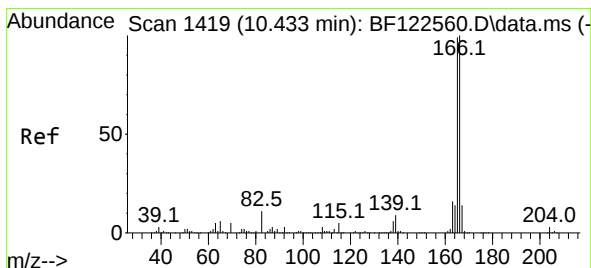
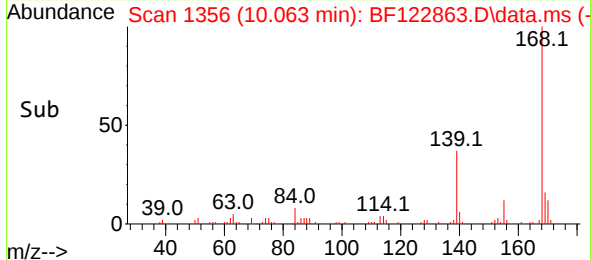
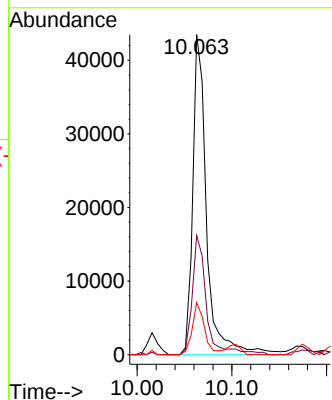
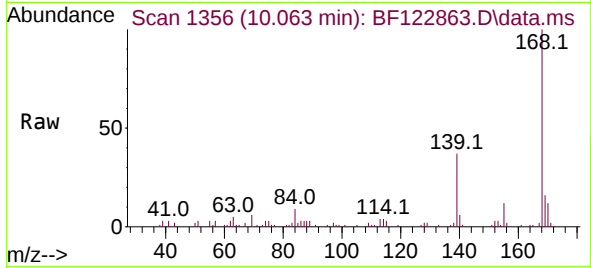




#55
Dibenzenofuran
Concen: 2.68 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

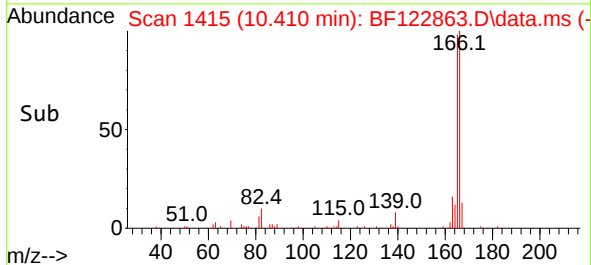
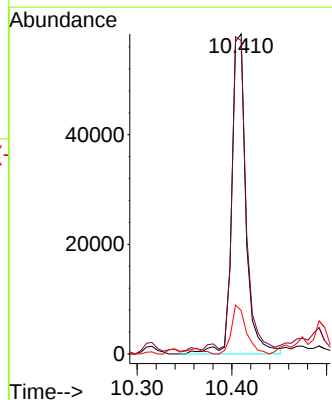
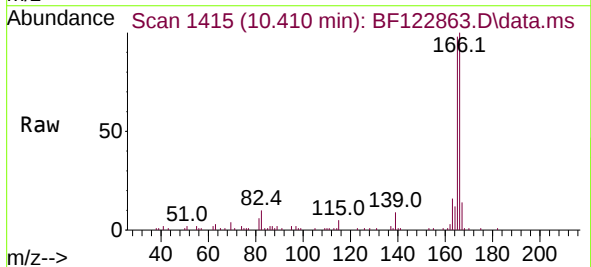
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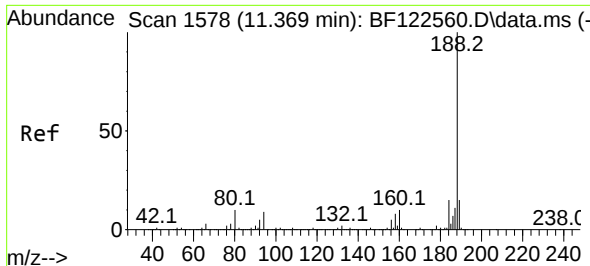
Tgt Ion:168 Resp: 44237
Ion Ratio Lower Upper
168 100
139 37.3 31.3 46.9
169 16.2 11.2 16.8



#58
Fluorene
Concen: 4.60 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:166 Resp: 60320
Ion Ratio Lower Upper
166 100
165 97.9 79.4 119.0
167 13.5 10.9 16.3

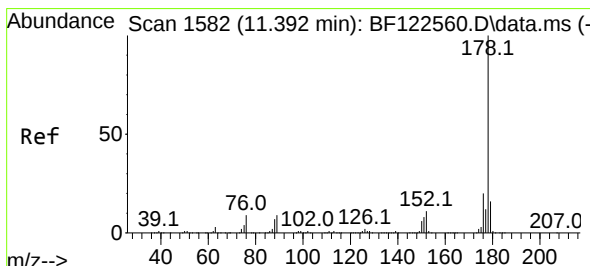
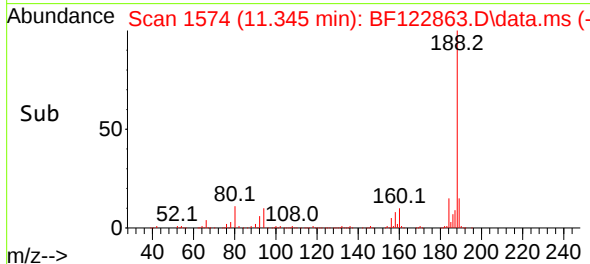
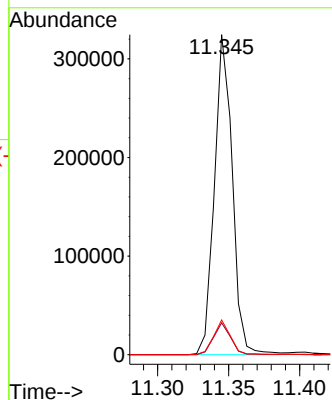
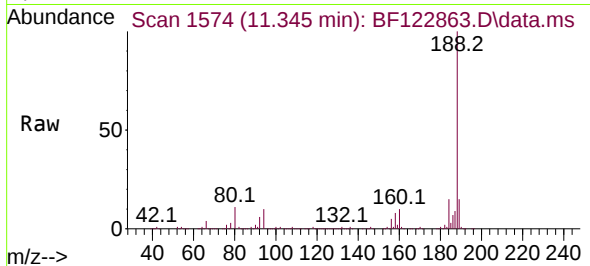




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

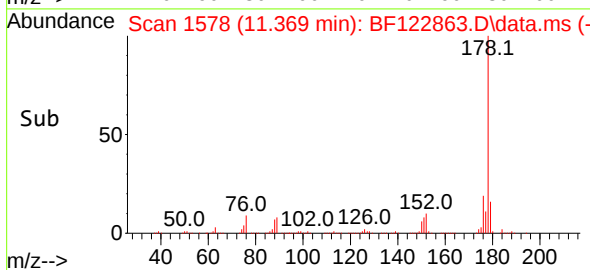
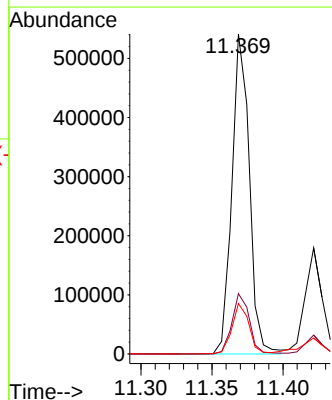
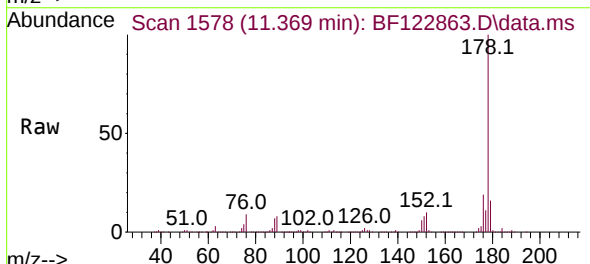
Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

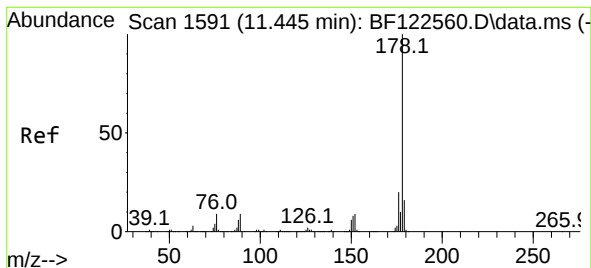
Tgt Ion:188 Resp: 284291
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.8 8.2 12.4



#71
Phenanthrene
Concen: 27.27 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:178 Resp: 460700
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.2
179 15.7 12.7 19.1





#72

Anthracene

Concen: 8.62 ng

RT: 11.422 min Scan# 1587

Delta R.T. -0.000 min

Lab File: BF122863.D

Acq: 24 Dec 2020 19:15

Tgt Ion:178 Resp: 144491

Ion Ratio Lower Upper

178 100

176 17.8 15.6 23.4

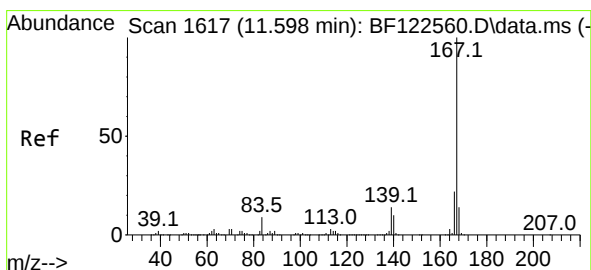
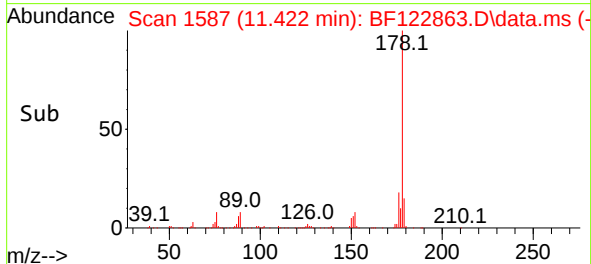
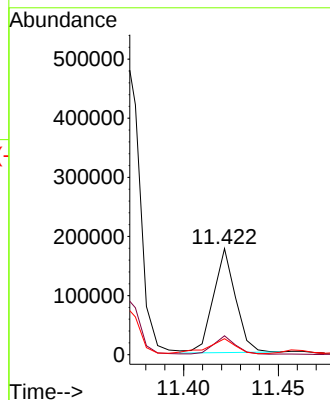
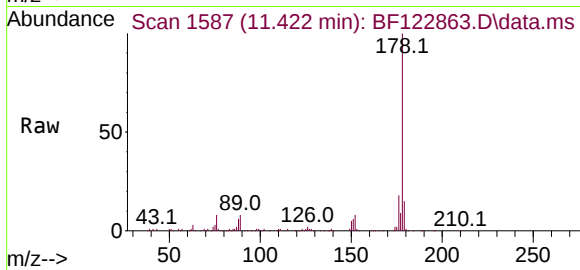
179 15.0 12.8 19.2

Instrument :

BNA_F

ClientSampleId :

OR-03-122320DL



#73

Carbazole

Concen: 2.81 ng

RT: 11.580 min Scan# 1614

Delta R.T. 0.006 min

Lab File: BF122863.D

Acq: 24 Dec 2020 19:15

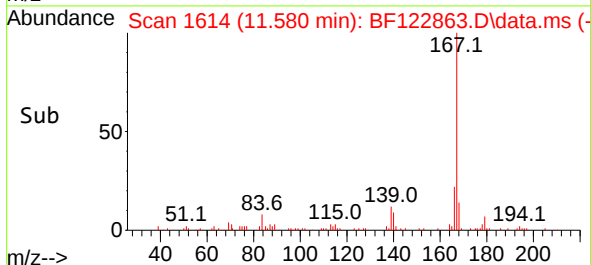
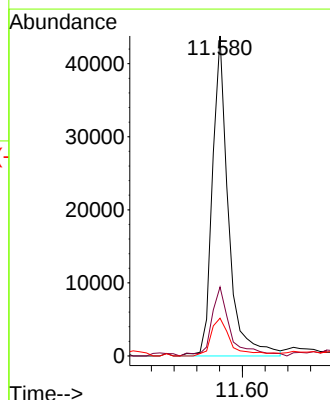
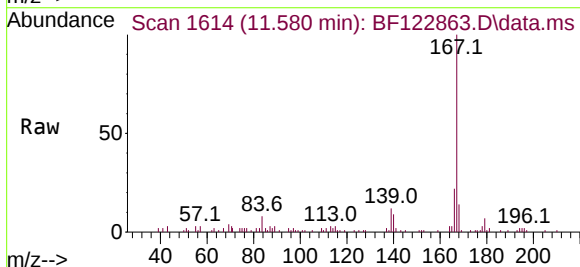
Tgt Ion:167 Resp: 42731

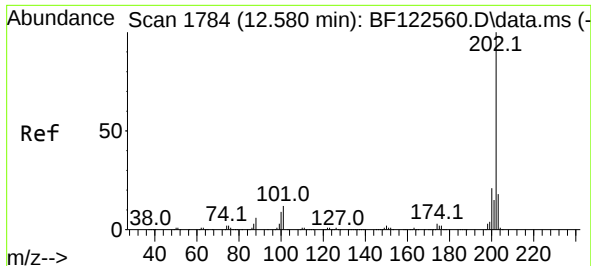
Ion Ratio Lower Upper

167 100

166 21.6 18.0 27.0

139 11.8 10.9 16.3

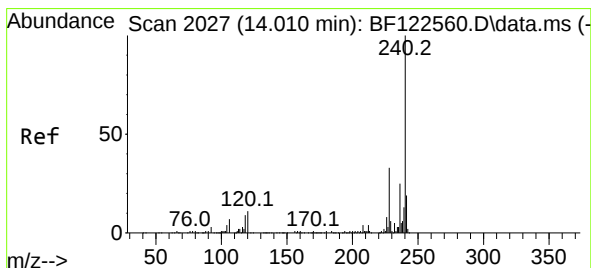
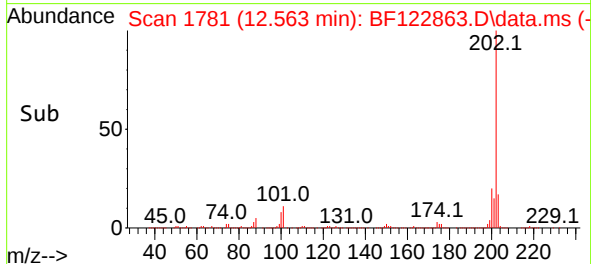
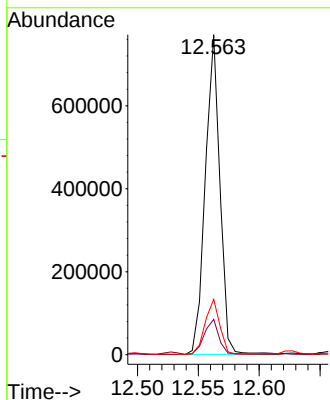
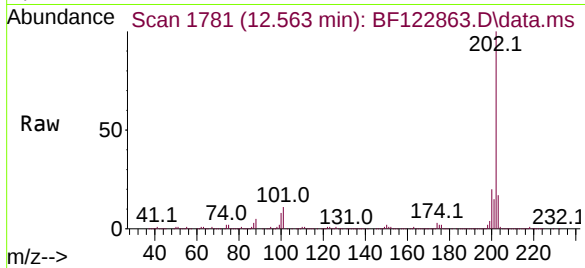




#75
Fluoranthene
Concen: 36.32 ng
RT: 12.563 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

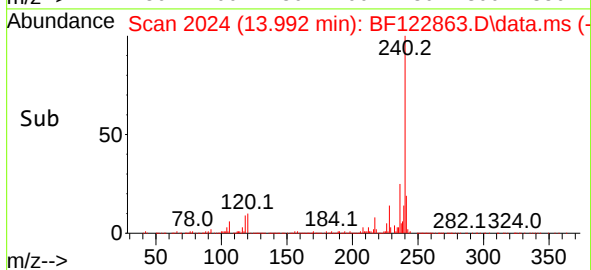
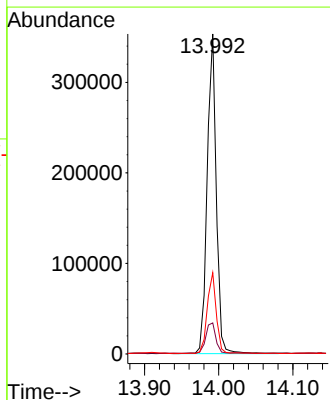
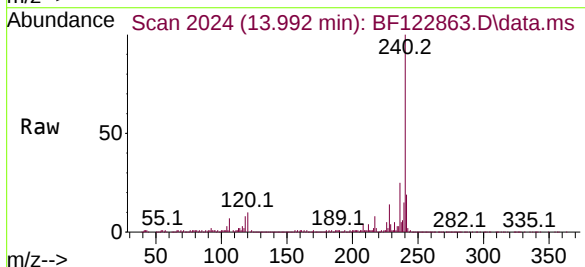
Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

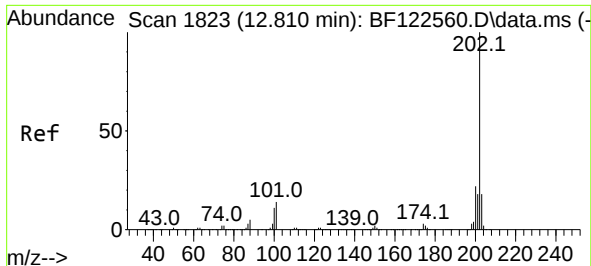
Tgt Ion:202 Resp: 643542
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.2
203 17.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:240 Resp: 301897
Ion Ratio Lower Upper
240 100
120 9.7 8.6 12.8
236 25.4 20.3 30.5

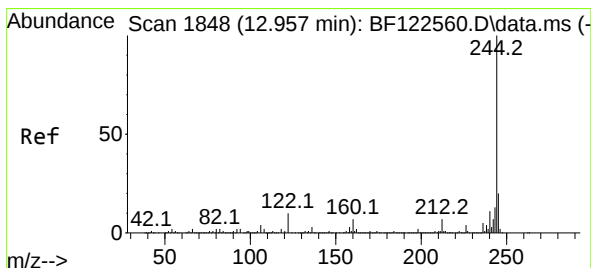
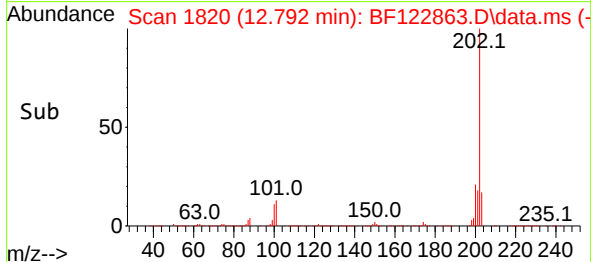
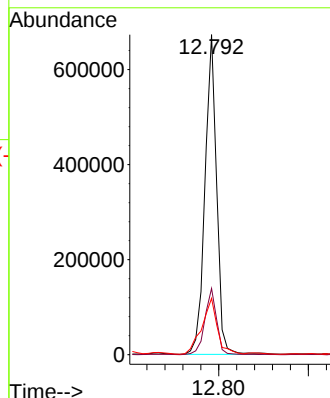
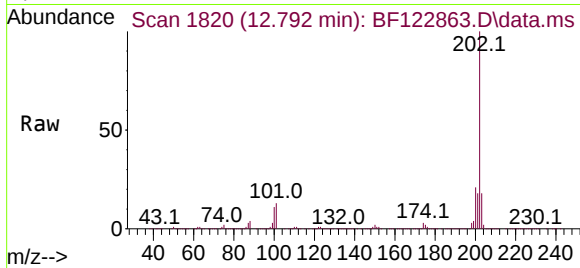




#78
Pyrene
Concen: 26.04 ng
RT: 12.792 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

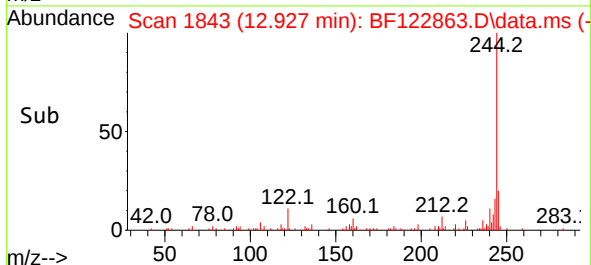
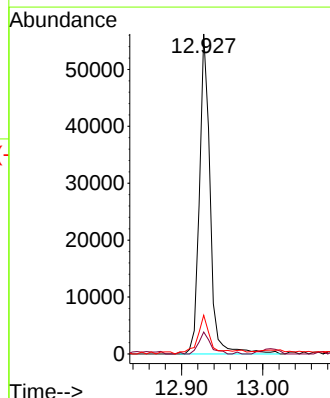
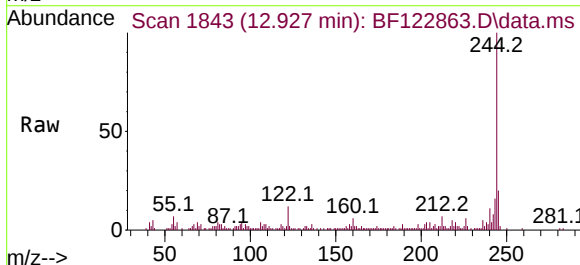
Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

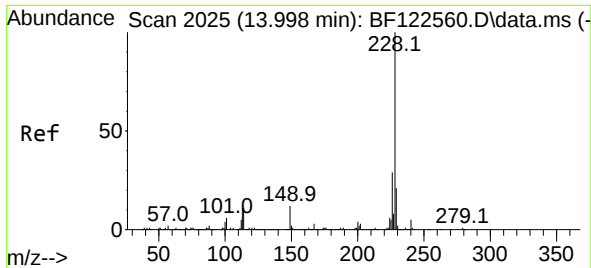
Tgt Ion:	202	Resp:	607771
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	17.6	14.6	21.8



#79
Terphenyl-d14
Concen: 2.99 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:	244	Resp:	51641
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.7	8.5
122	12.1	8.3	12.5

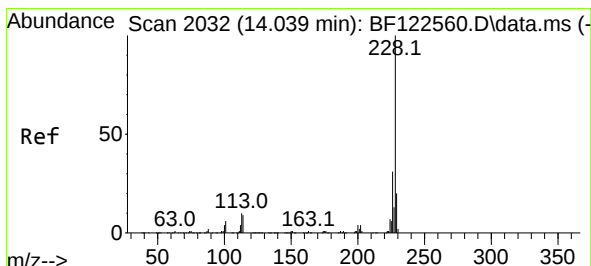
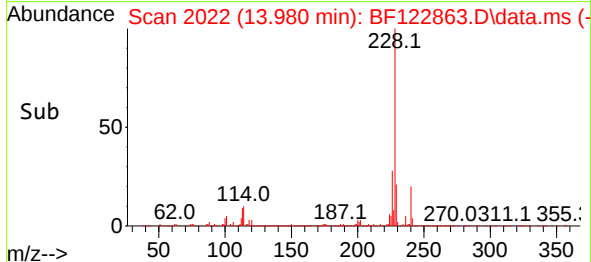
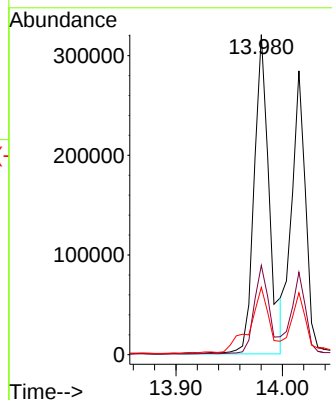
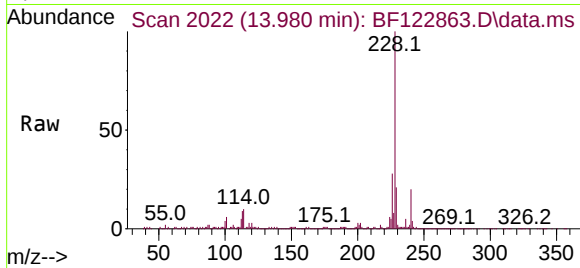




#81
Benzo(a)anthracene
Concen: 15.53 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

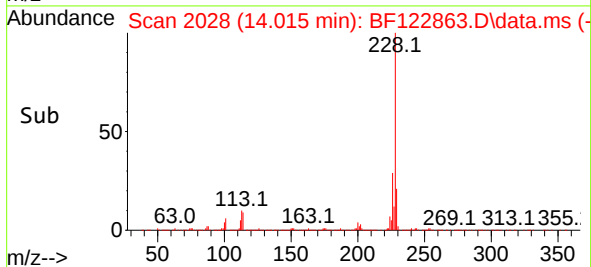
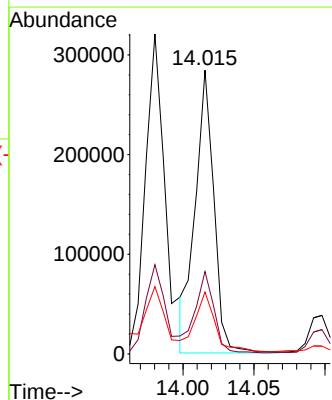
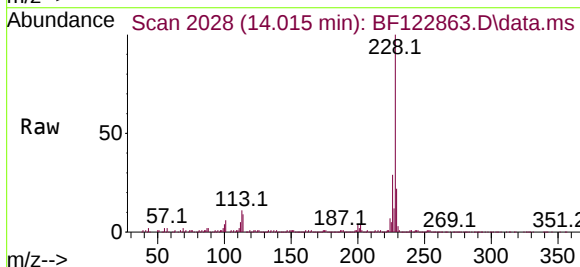
Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

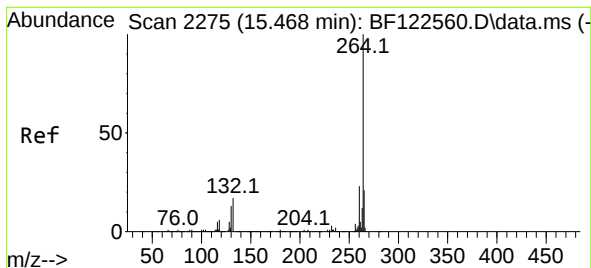
Tgt Ion:228 Resp: 313334
Ion Ratio Lower Upper
228 100
226 27.9 23.0 34.4
229 21.1 16.6 24.8



#83
Chrysene
Concen: 12.94 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:228 Resp: 259772
Ion Ratio Lower Upper
228 100
226 29.0 24.6 36.8
229 21.8 15.8 23.6



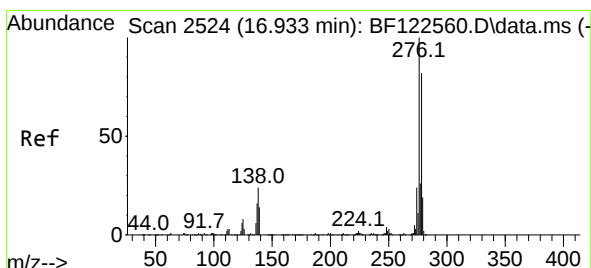
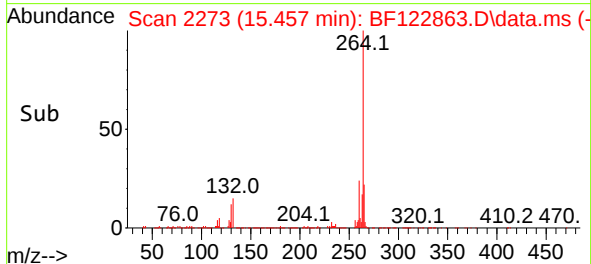
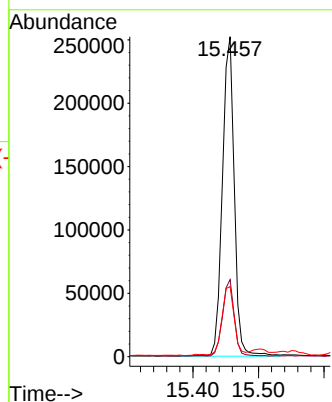
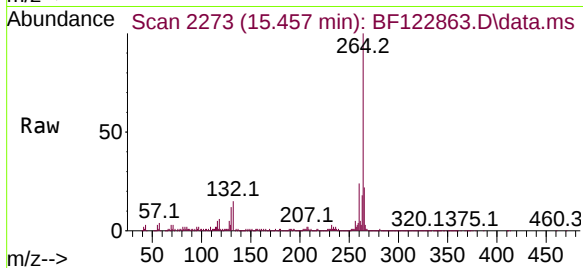


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.017 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

Tgt Ion:264 Resp: 315314

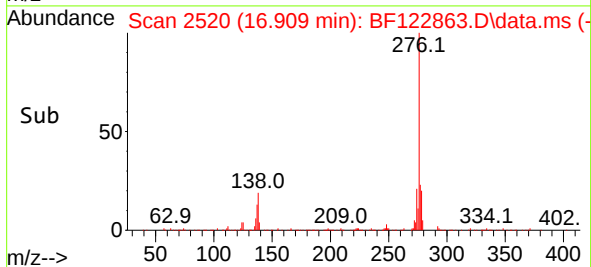
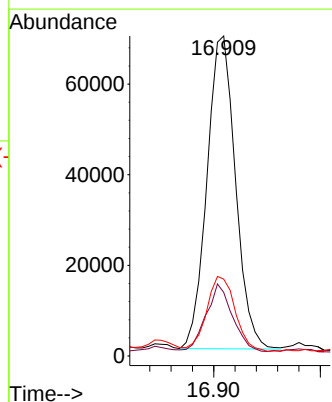
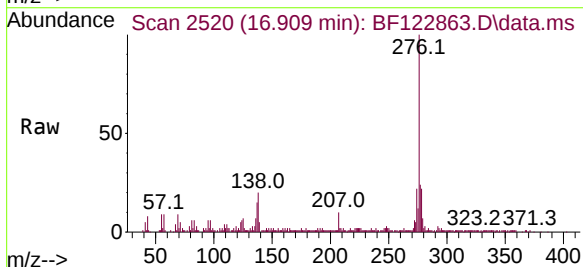
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	21.9	17.0	25.6

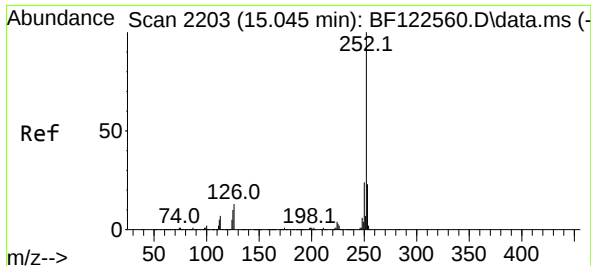


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.20 ng
RT: 16.909 min Scan# 2520
Delta R.T. 0.017 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:276 Resp: 128230

Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.7	28.1
277	23.8	20.2	30.4

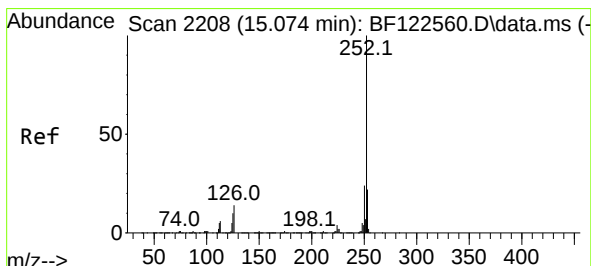
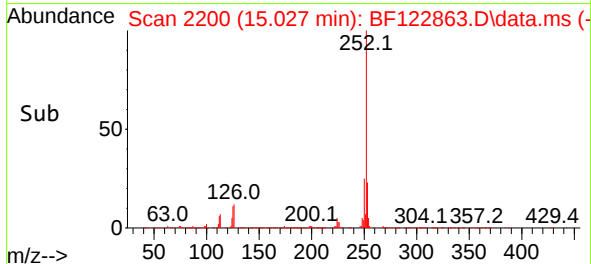
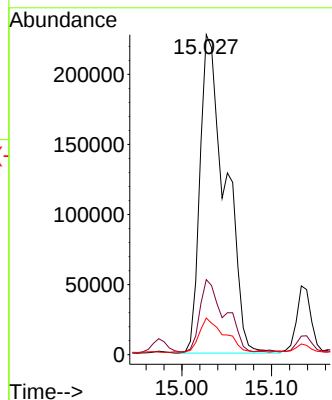
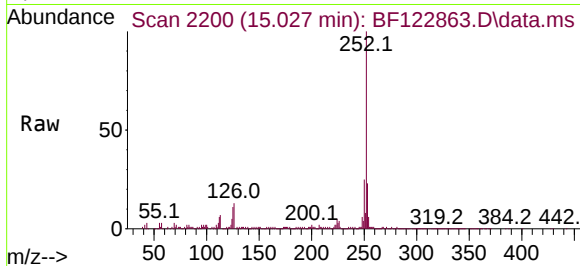




#88
Benzo(b)fluoranthene
Concen: 20.34 ng
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

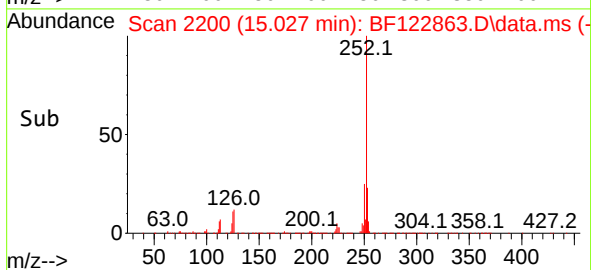
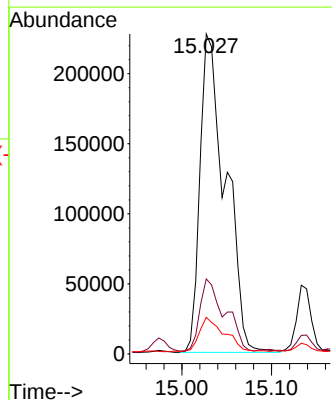
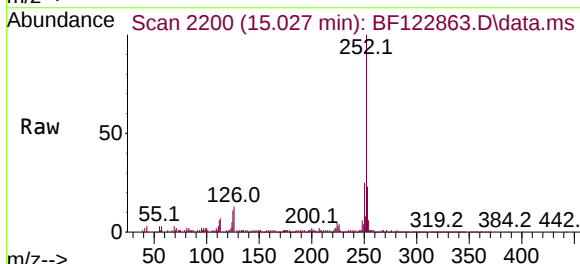
Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

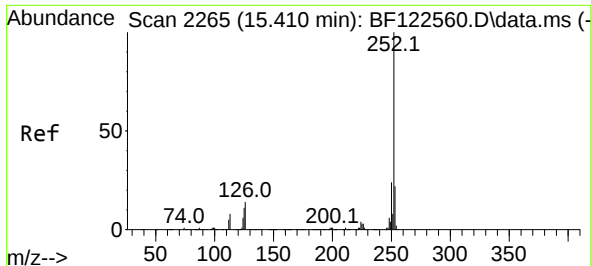
Tgt Ion:252 Resp: 449964
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 11.4 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 22.24 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.024 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:252 Resp: 449964
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.4 8.4 12.6

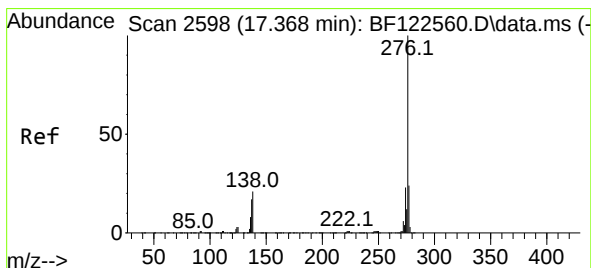
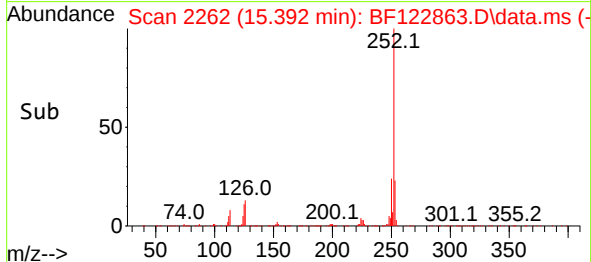
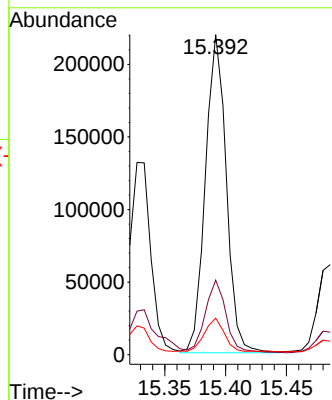
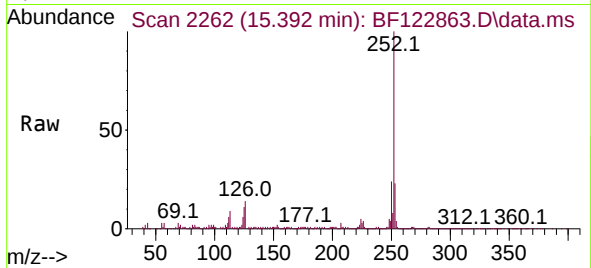




#90
Benzo(a)pyrene
Concen: 13.54 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Instrument :
BNA_F
ClientSampleId :
OR-03-122320DL

Tgt Ion:252 Resp: 261974
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.4 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 7.80 ng
RT: 17.345 min Scan# 2594
Delta R.T. 0.017 min
Lab File: BF122863.D
Acq: 24 Dec 2020 19:15

Tgt Ion:276 Resp: 127928
Ion Ratio Lower Upper
276 100
277 24.2 19.3 28.9
138 21.6 16.6 24.8

