

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124191.D
 Acq On : 8 Jun 2021 21:17
 Operator : JU/CG
 Sample : M2629-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-060721

Quant Time: Jun 09 04:09:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

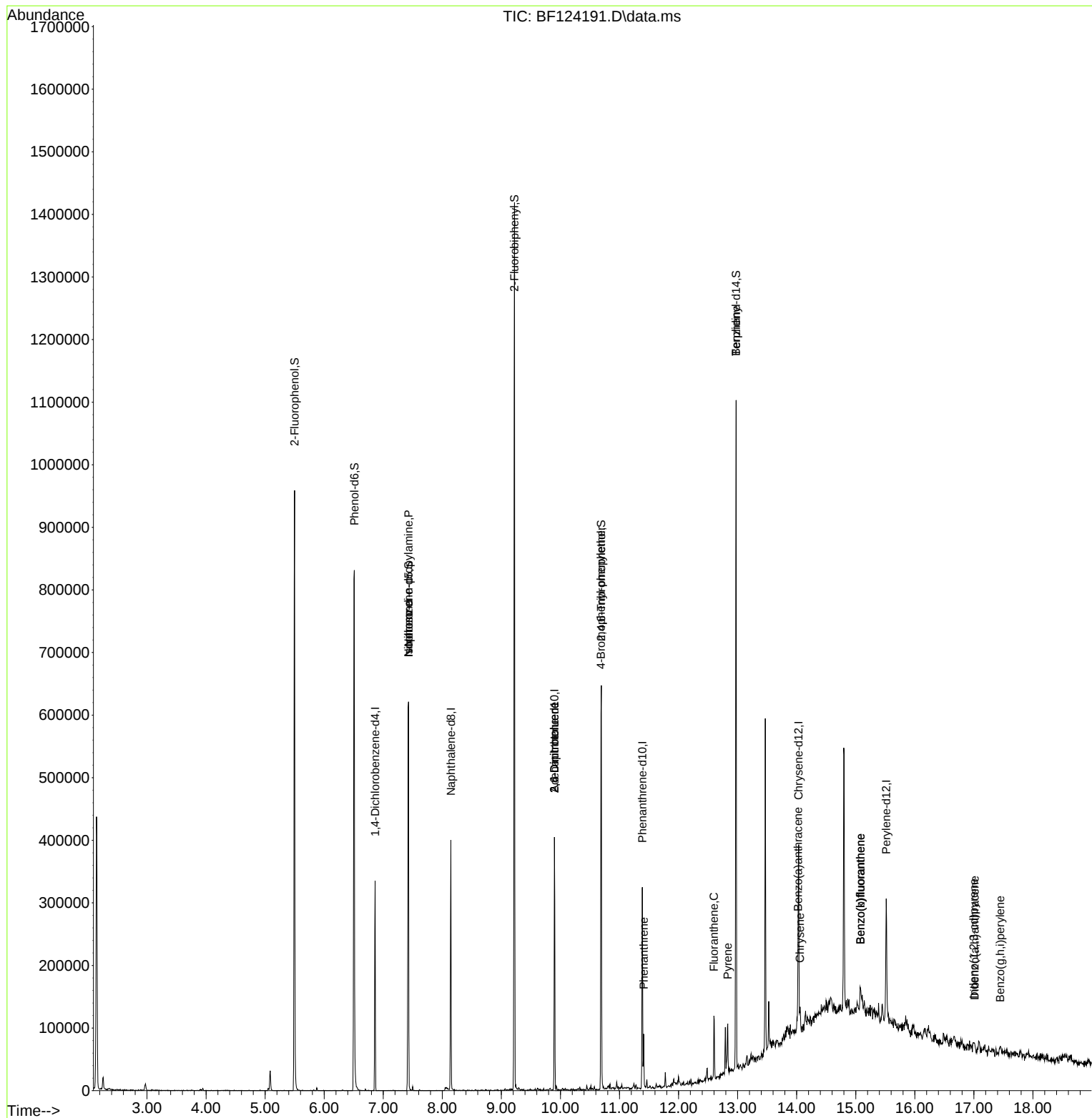
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	38826	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	139420	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	67829	20.00	ng	# 0.00
64) Phenanthrene-d10	11.386	188	100767	20.00	ng	0.00
76) Chrysene-d12	14.033	240	86888	20.00	ng	# 0.00
86) Perylene-d12	15.515	264	73956	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	201382	78.08	ng	0.00
7) Phenol-d6	6.510	99	255640	73.74	ng	0.00
23) Nitrobenzene-d5	7.428	82	202442	57.59	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	70983	73.87	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	369068	68.47	ng	0.00
79) Terphenyl-d14	12.974	244	293630	46.40	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	29368	12.00	ng	# 62
25) Isophorone	7.428	82	202438	31.96	ng	# 69
51) 2,6-Dinitrotoluene	9.898	165	7692	5.98	ng	# 12
57) 2,4-Dinitrotoluene	9.898	165	7692	4.53	ng	# 18
67) 4-Bromophenyl-phenylether	10.686	248	4923	3.56	ng	# 1
71) Phenanthrene	11.410	178	24834	3.95	ng	97
75) Fluoranthene	12.598	202	37663	5.70	ng	98
77) Benzidine	12.974	184	5207	6.41	ng	# 89
78) Pyrene	12.833	202	29976	3.59	ng	100
81) Benzo(a)anthracene	14.021	228	12960	2.05	ng	# 90
83) Chrysene	14.057	228	13582	2.22	ng	92
87) Indeno(1,2,3-cd)pyrene	16.998	276	4966	5.07	ng	# 75
88) Benzo(b)fluoranthene	15.080	252	22482	3.91	ng	# 94
89) Benzo(k)fluoranthene	15.080	252	22482	4.13	ng	# 94
91) Dibenzo(a,h)anthracene	17.015	278	1593	4.45	ng	# 57
92) Benzo(g,h,i)perylene	17.445	276	6434	4.95	ng	# 52

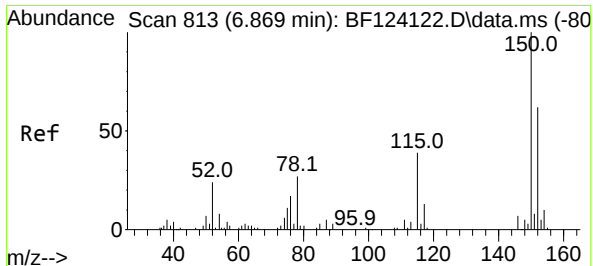
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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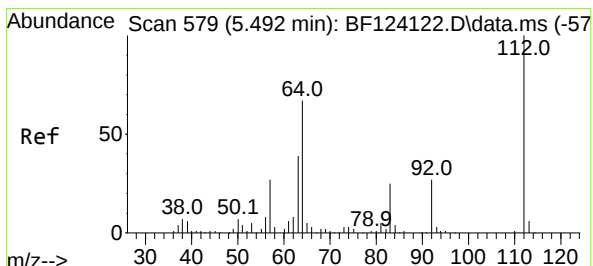
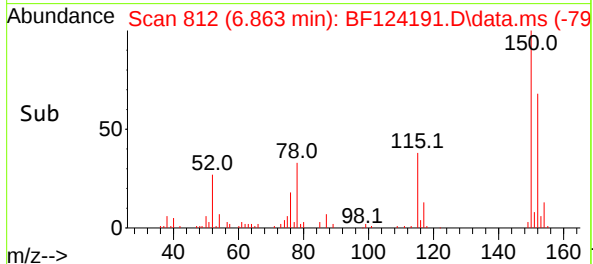
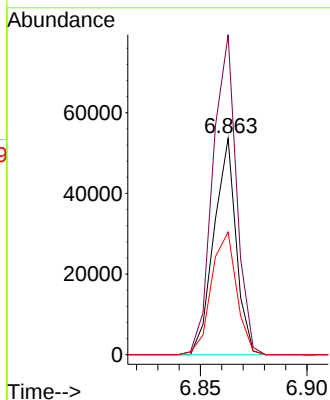
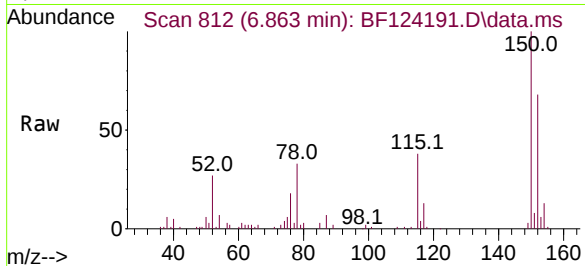




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

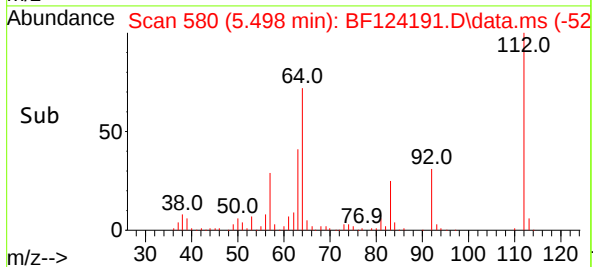
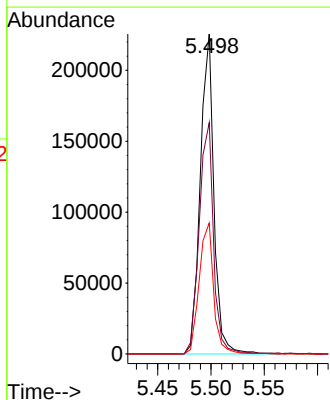
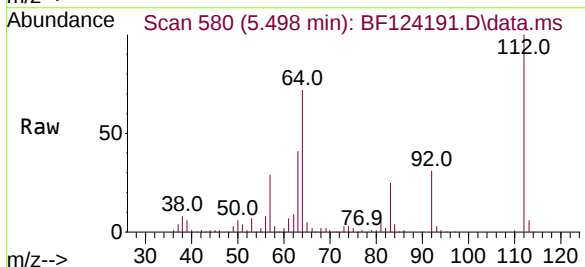
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

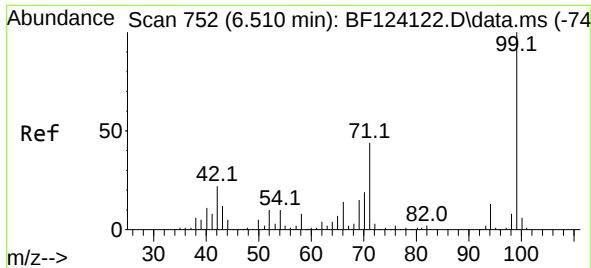
Tgt Ion:152 Resp: 38826
Ion Ratio Lower Upper
152 100
150 147.9 127.0 190.6
115 56.7 54.3 81.5



#5
2-Fluorophenol
Concen: 78.08 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:112 Resp: 201382
Ion Ratio Lower Upper
112 100
64 72.3 61.4 92.0
63 41.0 33.0 49.4

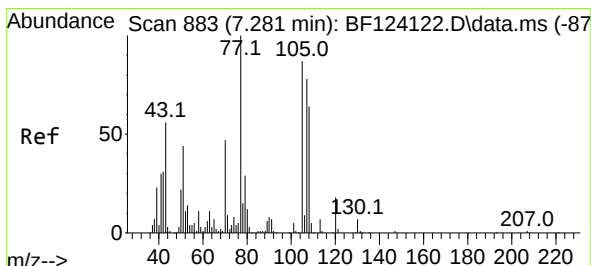
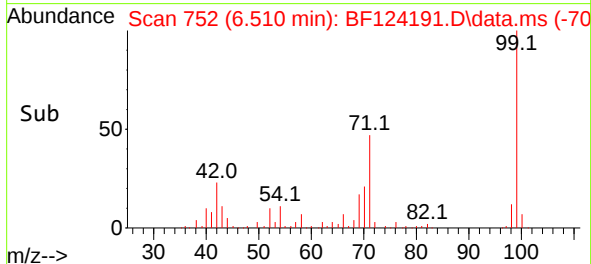
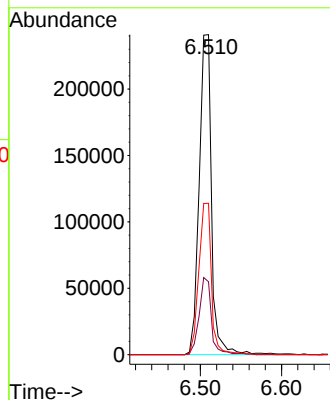
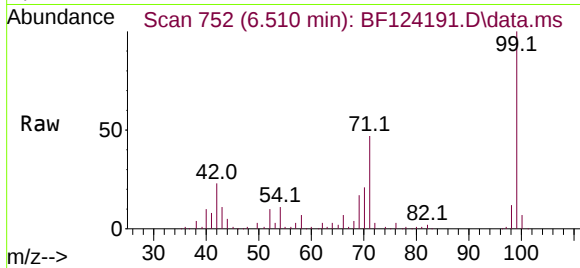




#7
Phenol-d6
Concen: 73.74 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

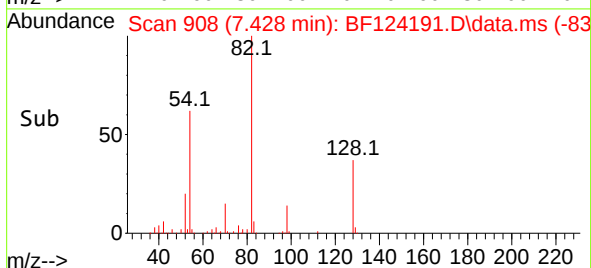
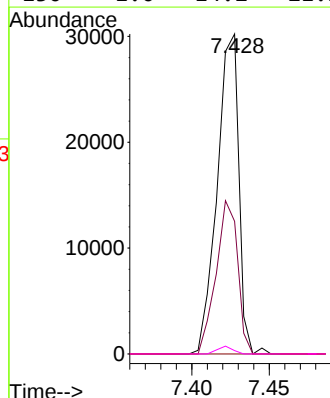
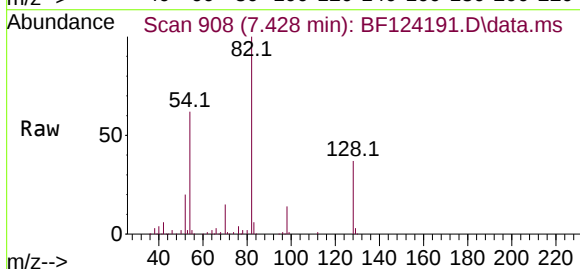
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

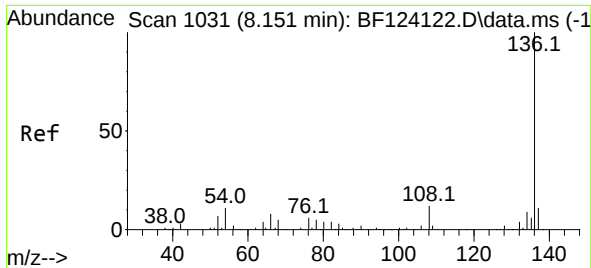
Tgt Ion: 99 Resp: 255640
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.8
71 47.3 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 12.00 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

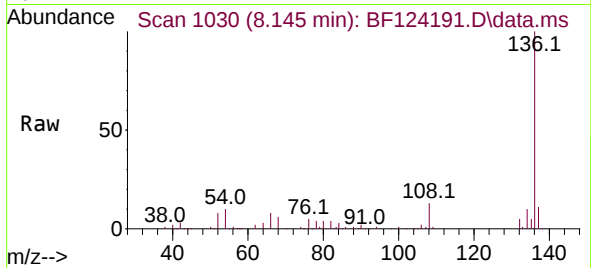
Tgt Ion: 70 Resp: 29368
Ion Ratio Lower Upper
70 100
42 41.4 60.1 90.1#
101 0.0 7.4 11.2#
130 1.0 14.2 21.2#



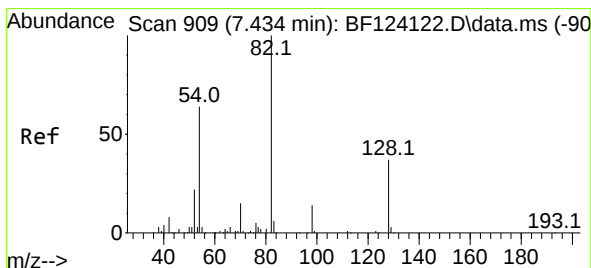
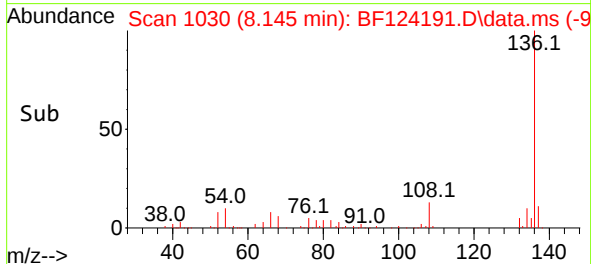
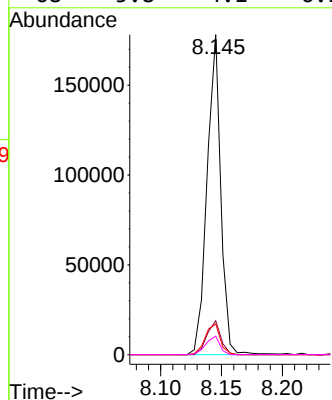


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Instrument :
BNA_F
ClientSampleId :
OK-02-060721

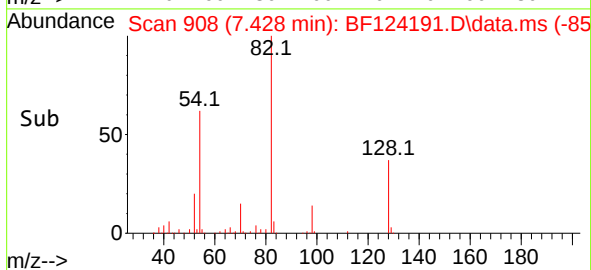
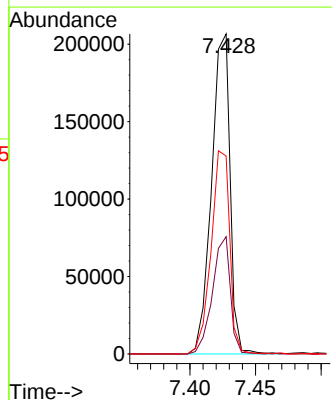
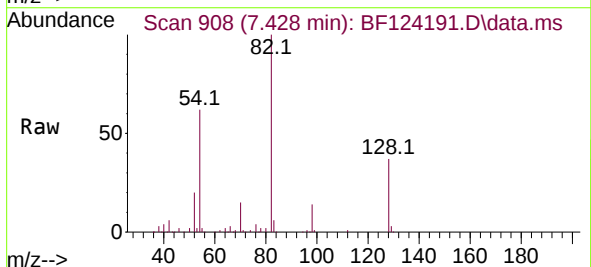


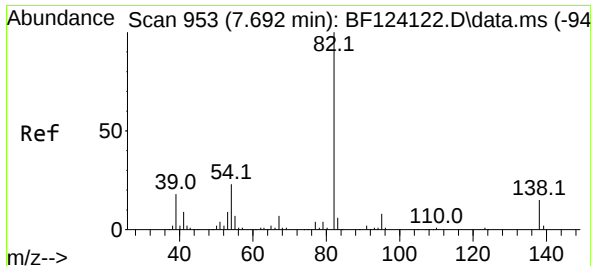
Tgt Ion:136 Resp: 139420
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 9.6 9.8 14.6#
68 5.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 57.59 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion: 82 Resp: 202442
Ion Ratio Lower Upper
82 100
128 36.6 29.4 44.2
54 61.8 54.1 81.1

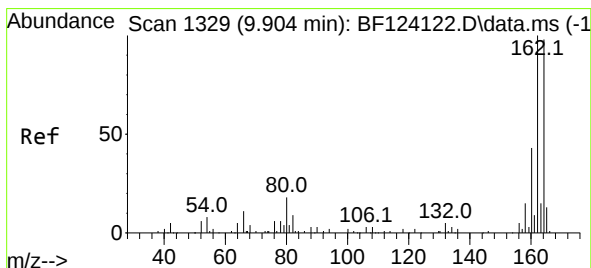
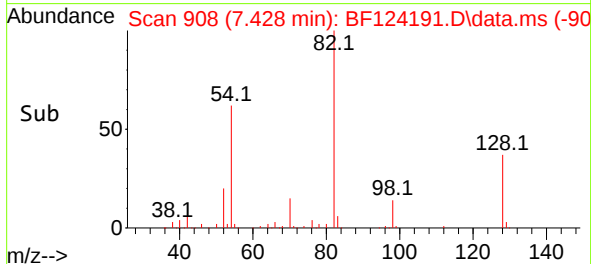
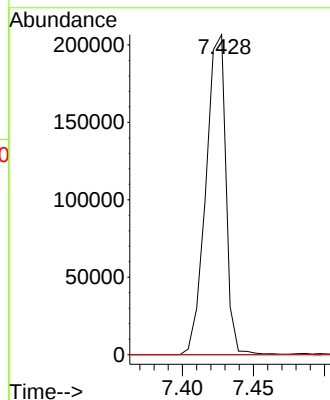
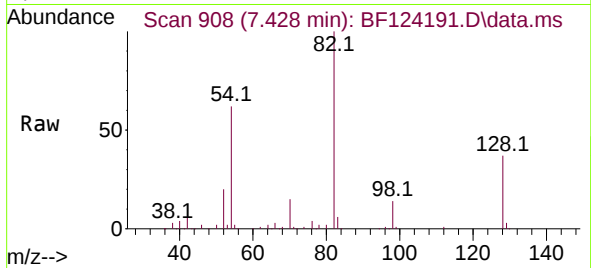




#25
Isophorone
Concen: 31.96 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

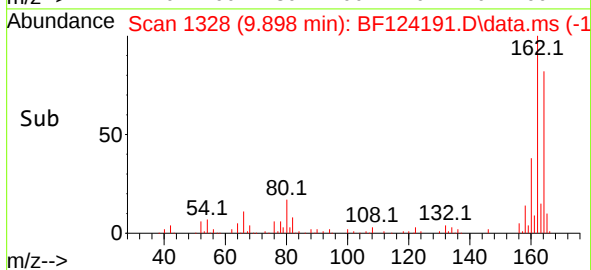
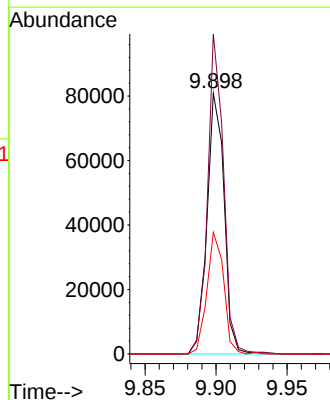
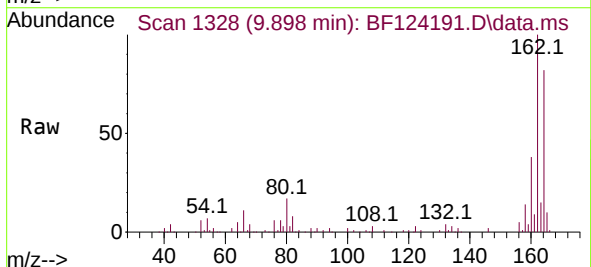
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

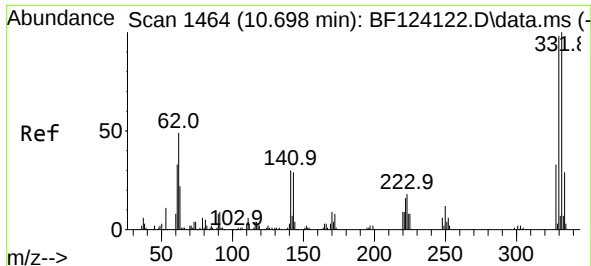
Tgt Ion: 82 Resp: 202438
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion: 164 Resp: 67829
Ion Ratio Lower Upper
164 100
162 122.7 80.7 121.1#
160 46.6 37.3 55.9

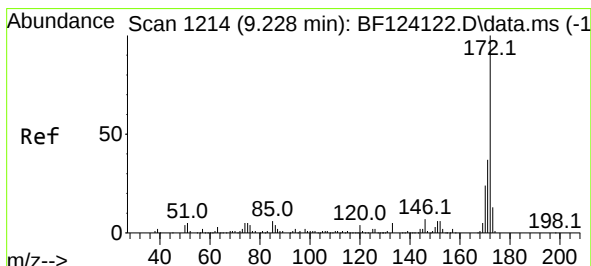
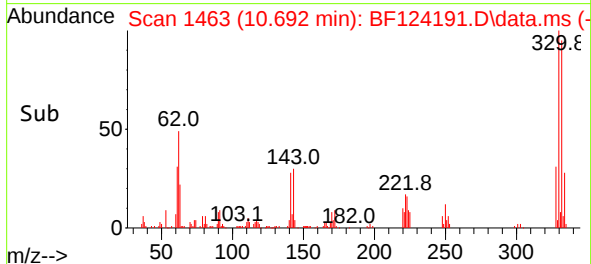
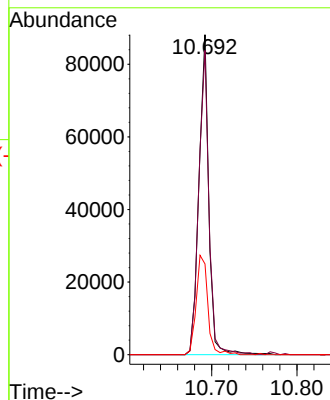
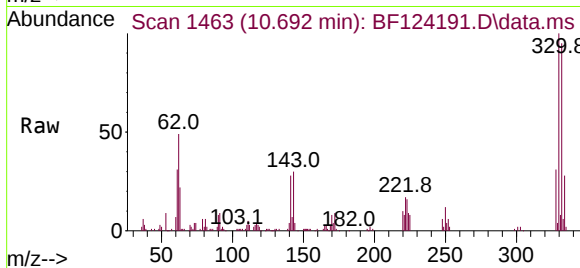




#42
2,4,6-Tribromophenol
Concen: 73.87 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

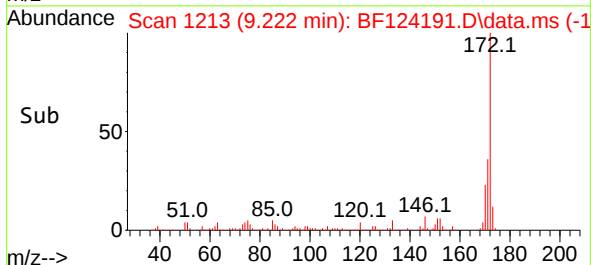
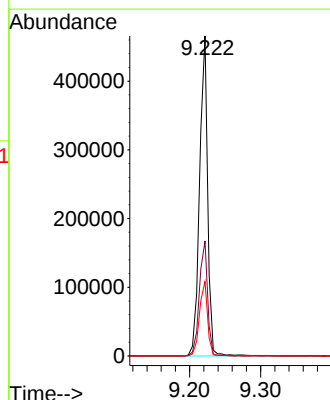
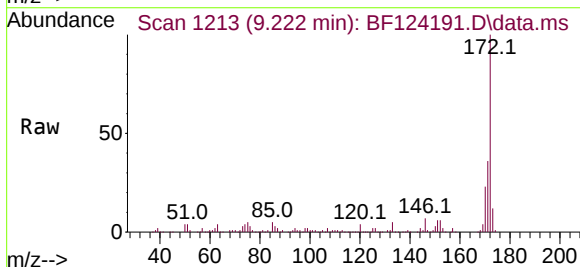
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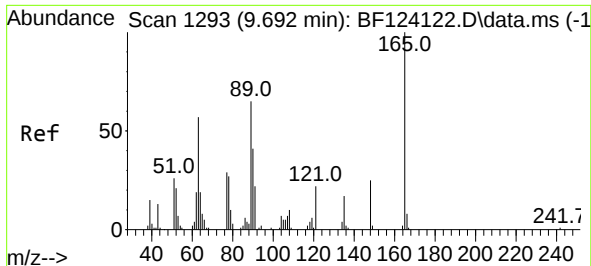
Tgt Ion: 330 Resp: 70983
Ion Ratio Lower Upper
330 100
332 98.5 77.1 115.7
141 36.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 68.47 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion: 172 Resp: 369068
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 23.2 19.2 28.8

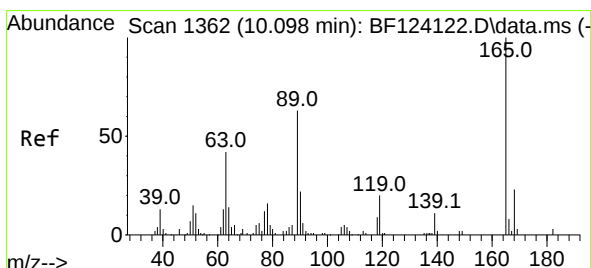
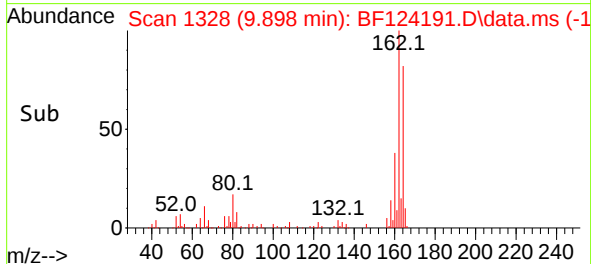
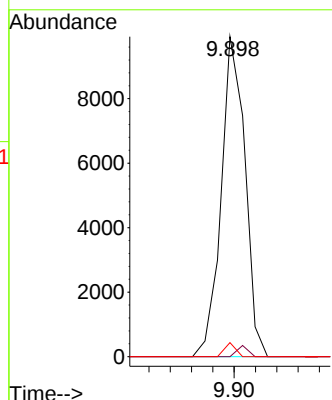
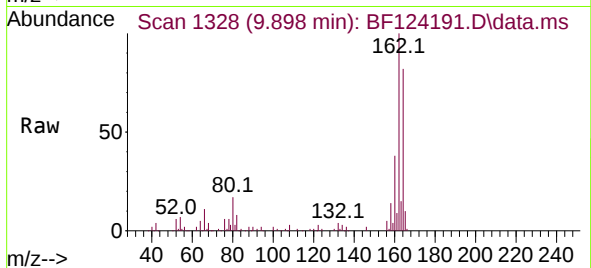




#51
2,6-Dinitrotoluene
Concen: 5.98 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

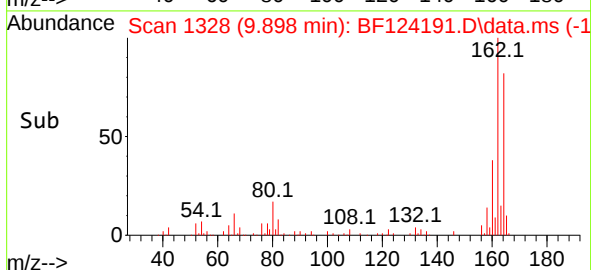
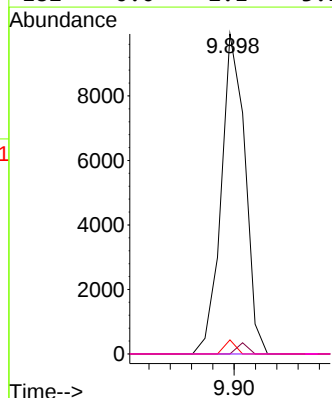
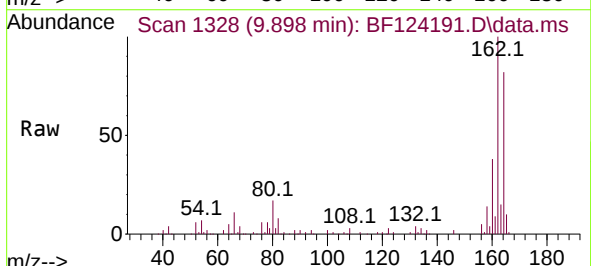
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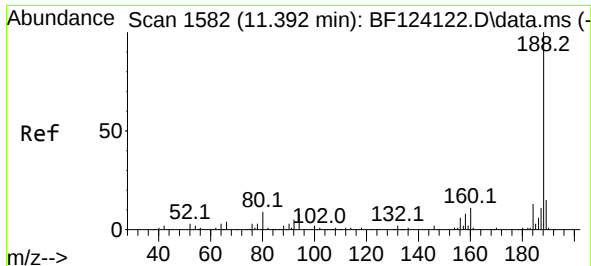
Tgt Ion:165 Resp: 7692
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 4.4 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 4.53 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:165 Resp: 7692
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.4 67.7 101.5#
182 0.0 2.1 3.1#

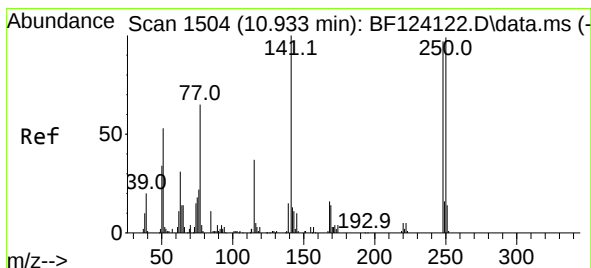
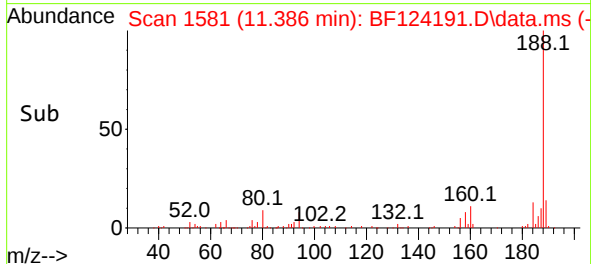
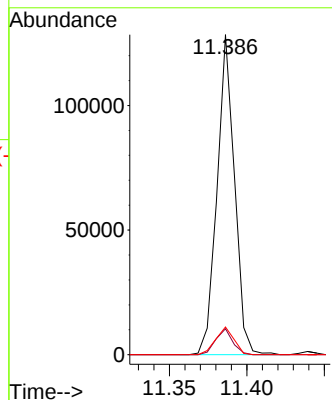
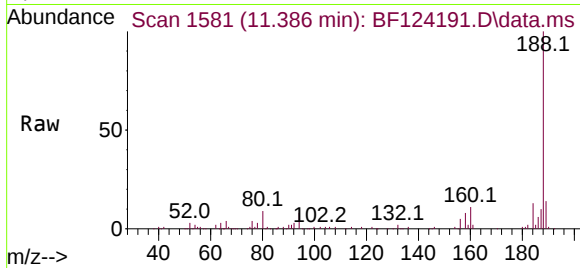




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

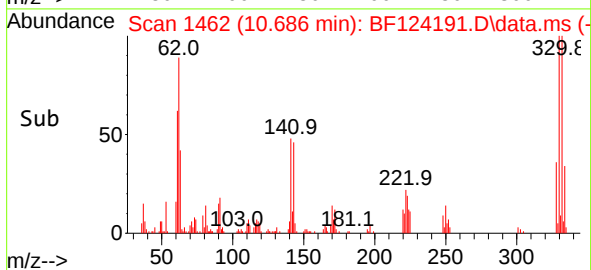
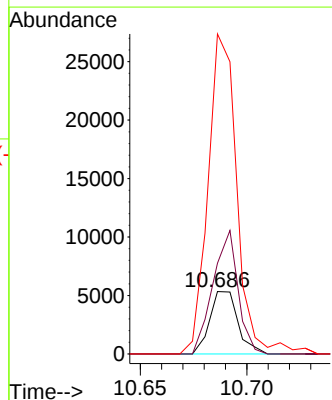
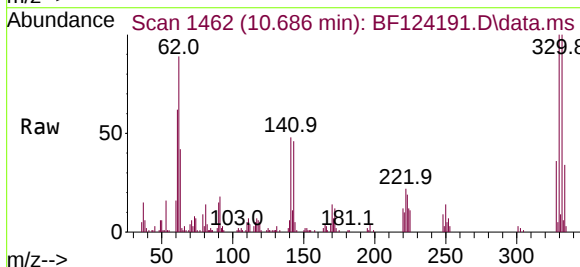
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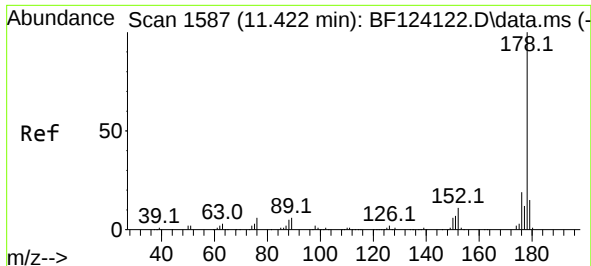
Tgt Ion:188 Resp: 100767
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 8.6 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.56 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:248 Resp: 4923
Ion Ratio Lower Upper
248 100
250 145.5 77.4 116.2#
141 512.8 63.7 95.5#

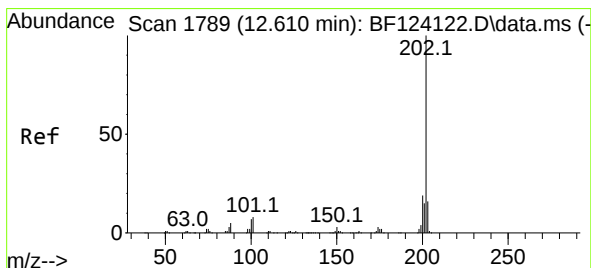
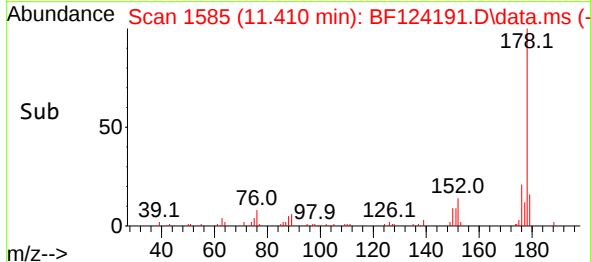
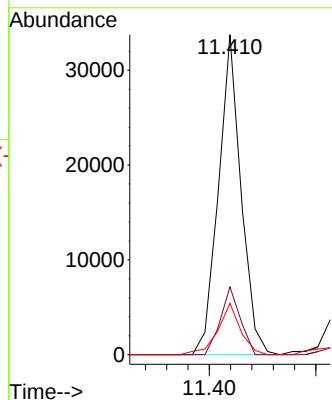
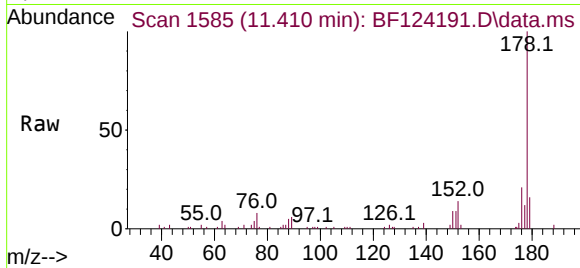




#71
Phenanthrene
Concen: 3.95 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

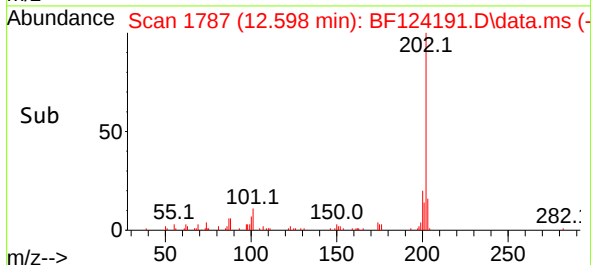
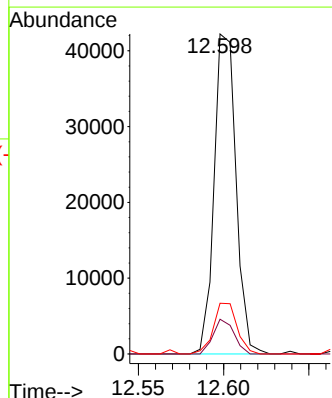
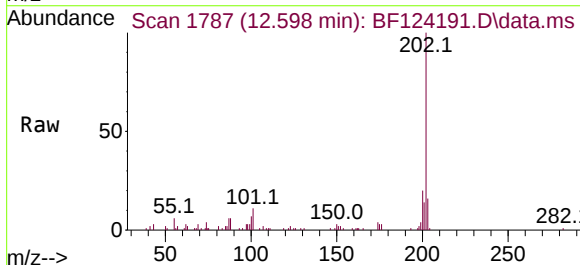
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

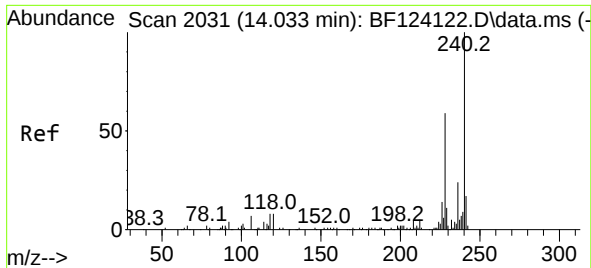
Tgt Ion:178 Resp: 24834
Ion Ratio Lower Upper
178 100
176 21.2 15.6 23.4
179 16.1 12.5 18.7



#75
Fluoranthene
Concen: 5.70 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:202 Resp: 37663
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.9
203 15.8 0.0 37.5

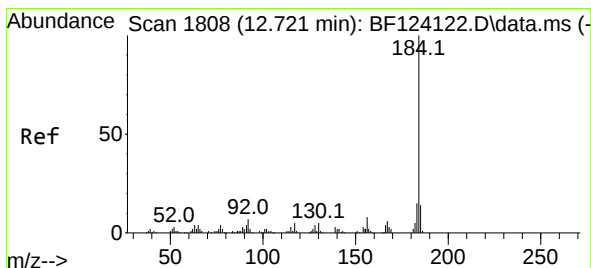
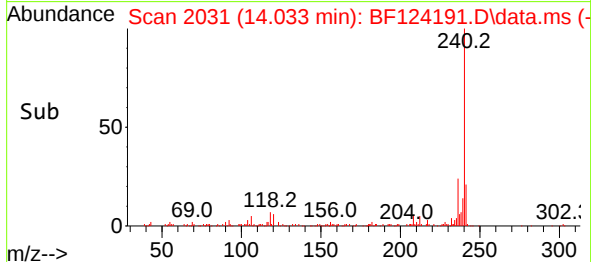
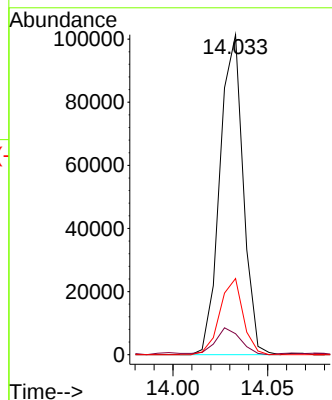
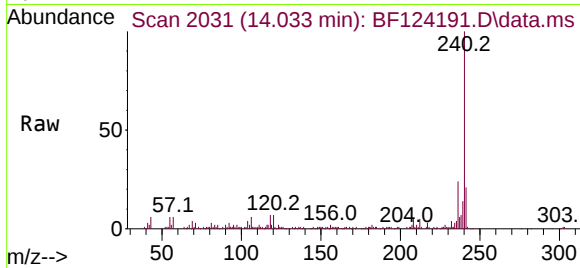




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

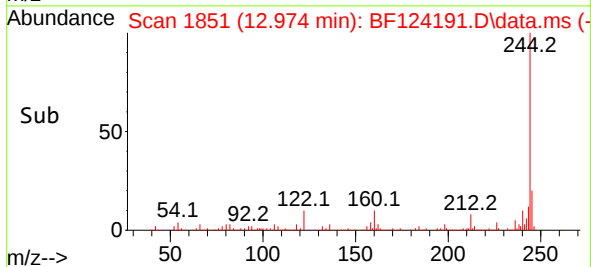
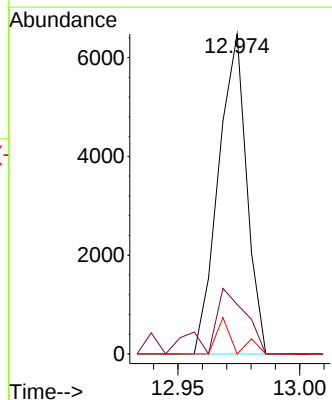
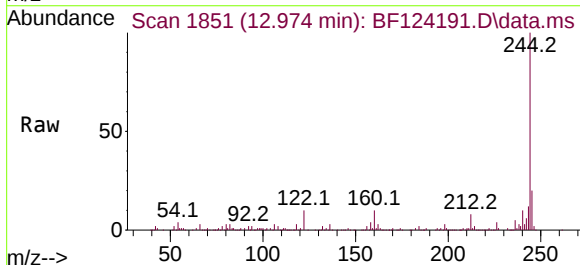
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

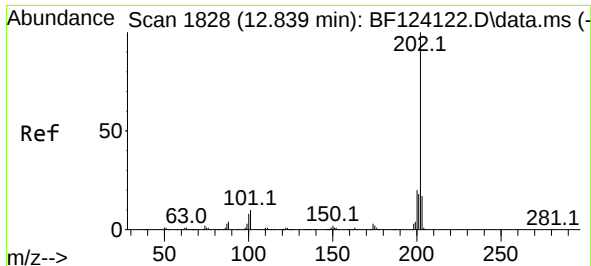
Tgt Ion:240 Resp: 86888
Ion Ratio Lower Upper
240 100
120 6.6 7.2 10.8#
236 23.8 19.0 28.4



#77
Benzidine
Concen: 6.41 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:184 Resp: 5207
Ion Ratio Lower Upper
184 100
185 15.5 12.1 18.1
183 0.0 7.8 11.8#

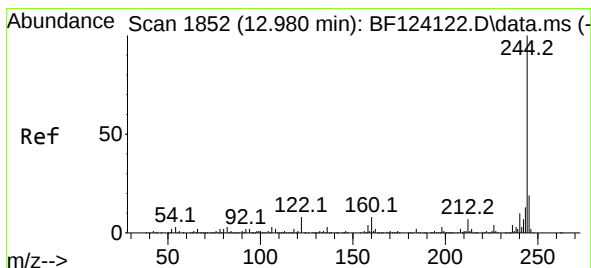
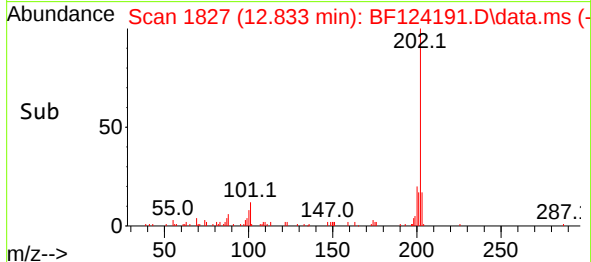
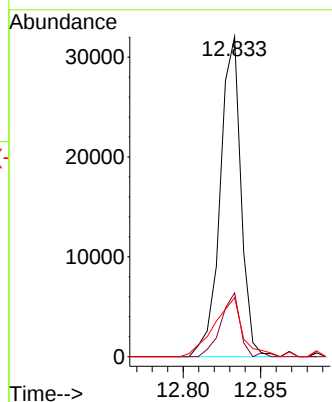
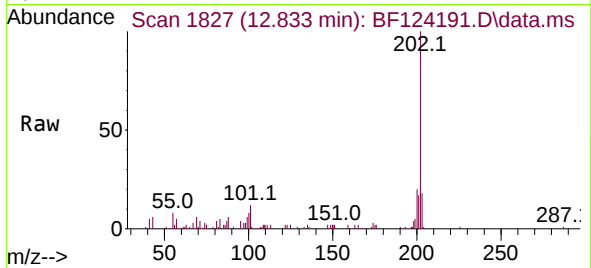




#78
Pyrene
Concen: 3.59 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

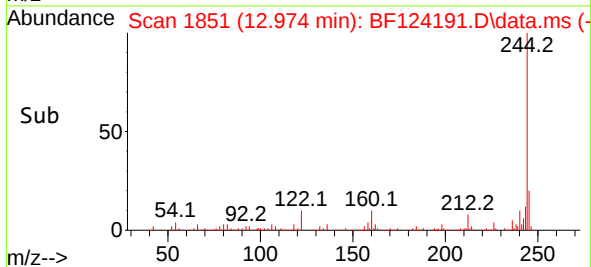
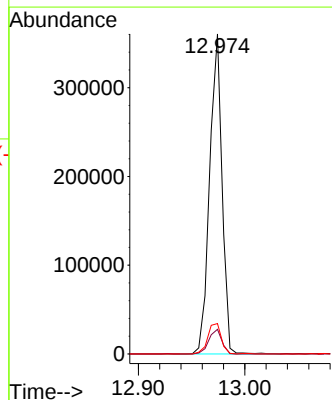
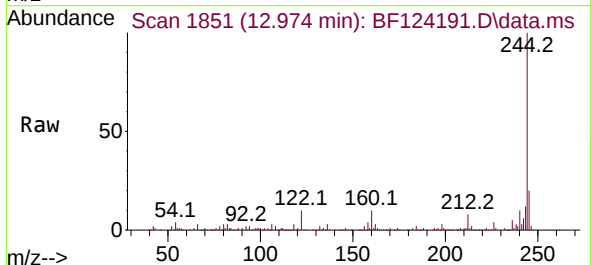
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

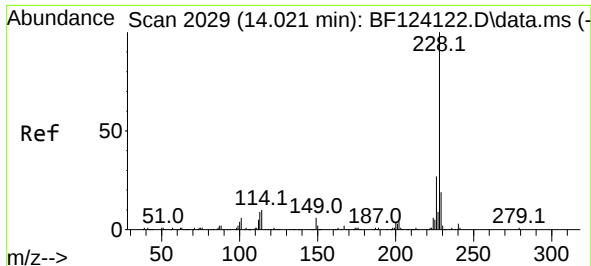
Tgt Ion:202	Resp:	29976
Ion Ratio	Lower	Upper
202	100	
200	19.9	16.1 24.1
203	18.5	14.8 22.2



#79
Terphenyl-d14
Concen: 46.40 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:244	Resp:	293630
Ion Ratio	Lower	Upper
244	100	
212	7.7	5.7 8.5
122	9.5	9.7 14.5#

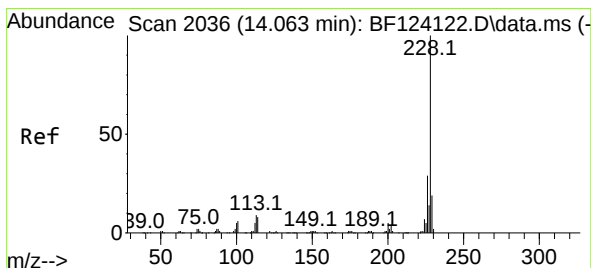
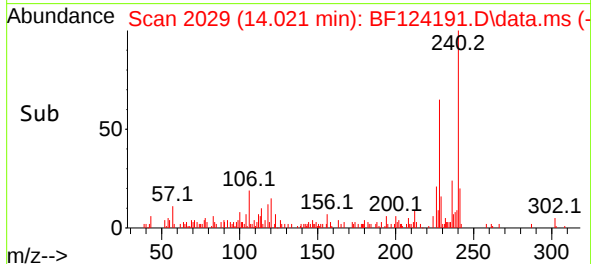
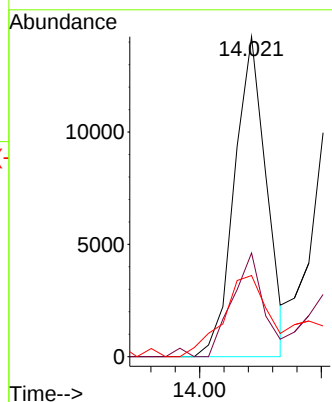
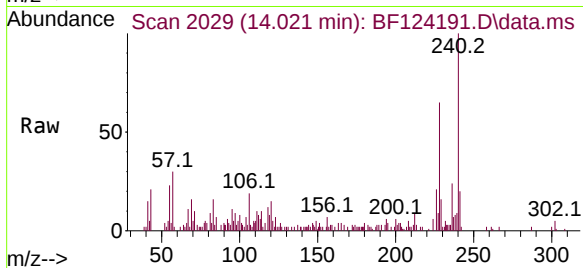




#81
Benzo(a)anthracene
Concen: 2.05 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

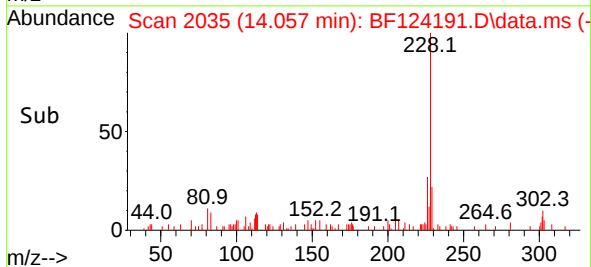
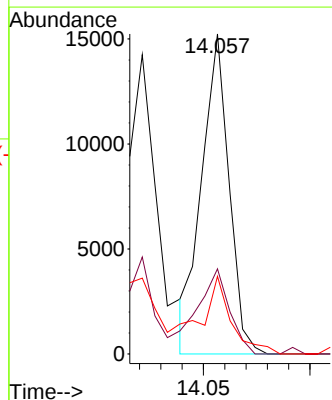
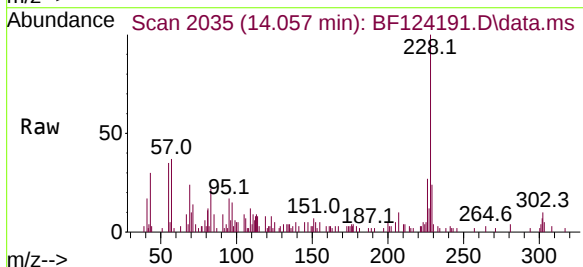
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

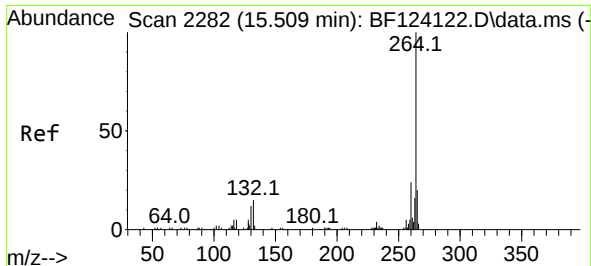
Tgt Ion:	228	Resp:	12960
Ion Ratio	Lower	Upper	
228	100		
226	32.4	22.4	33.6
229	25.4	16.0	24.0#



#83
Chrysene
Concen: 2.22 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:	228	Resp:	13582
Ion Ratio	Lower	Upper	
228	100		
226	26.6	24.3	36.5
229	24.2	16.2	24.2

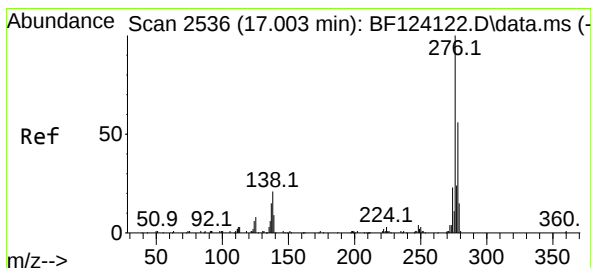
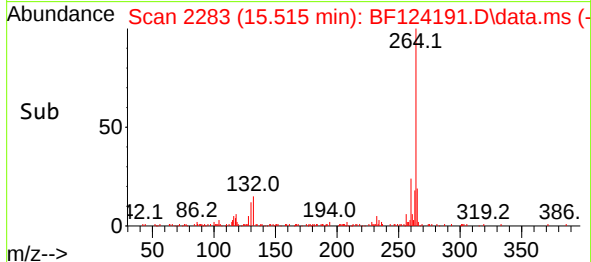
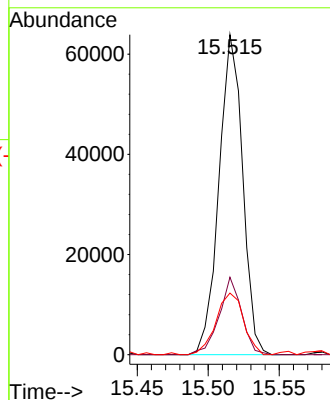
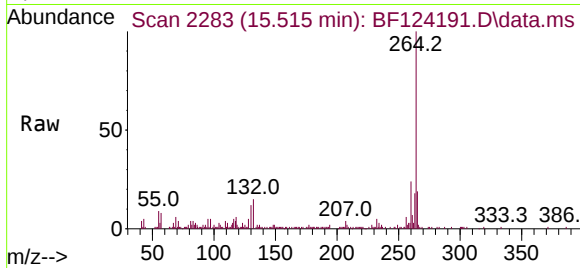




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

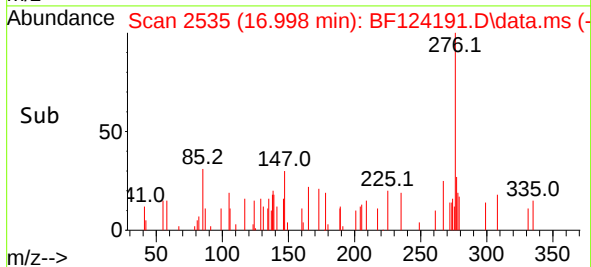
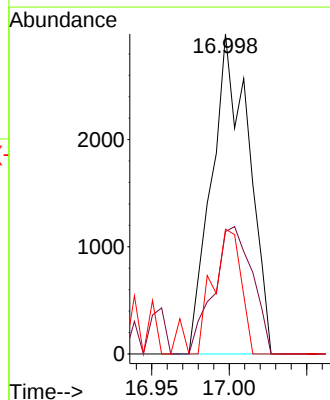
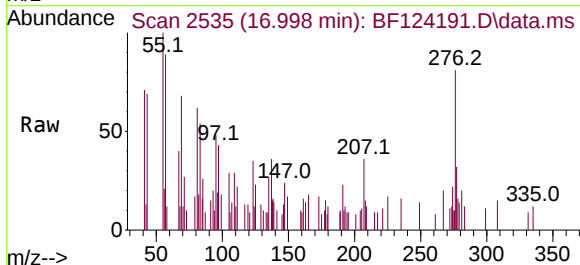
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

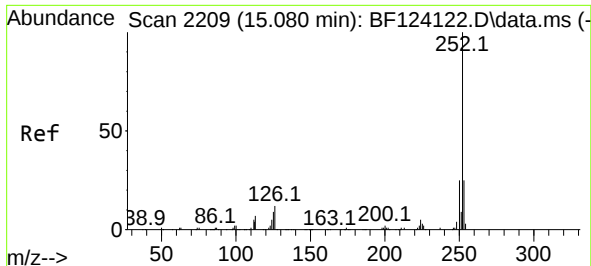
Tgt Ion:264	Resp:	73956
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.7 28.1
265	19.3	17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.07 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.005 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:276	Resp:	4966
Ion Ratio	Lower	Upper
276	100	
138	41.4	16.2 24.2#
277	29.3	20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 3.91 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.000 min

Lab File: BF124191.D

Acq: 8 Jun 2021 21:17

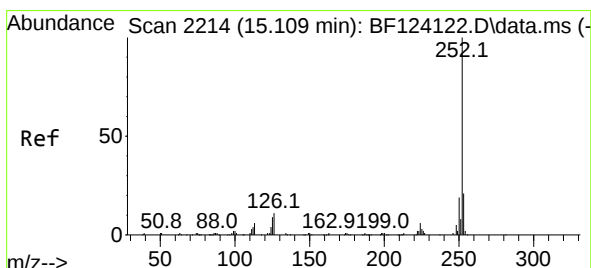
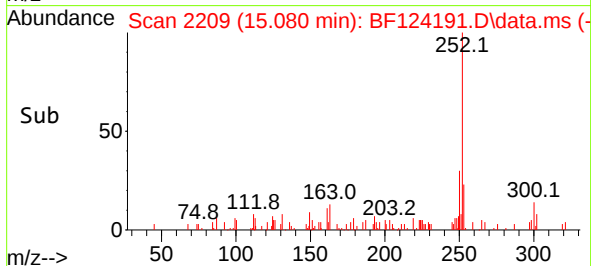
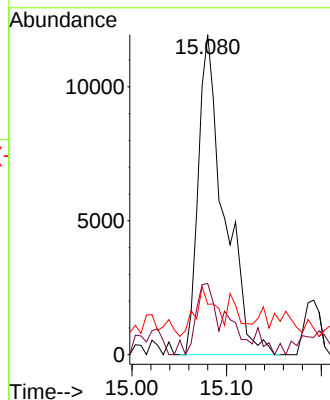
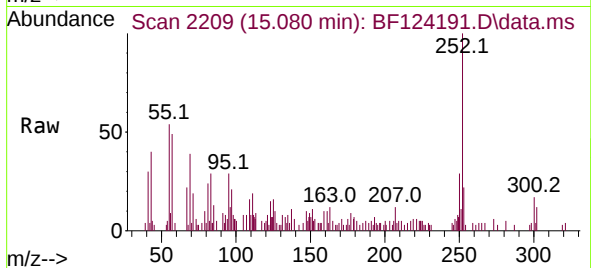
Tgt Ion:	252	Resp:	22482
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.1	27.1
125	15.7	6.2	9.4#

Instrument :

BNA_F

ClientSampleId :

OK-02-060721



#89

Benzo(k)fluoranthene

Concen: 4.13 ng

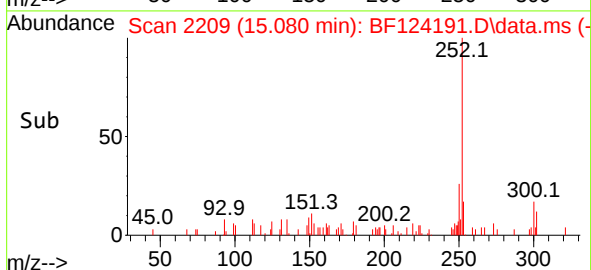
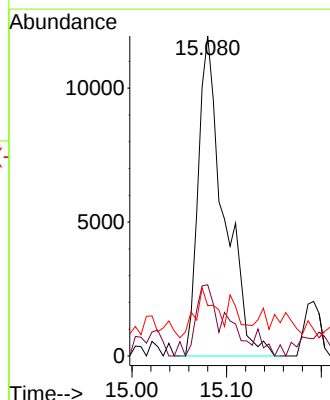
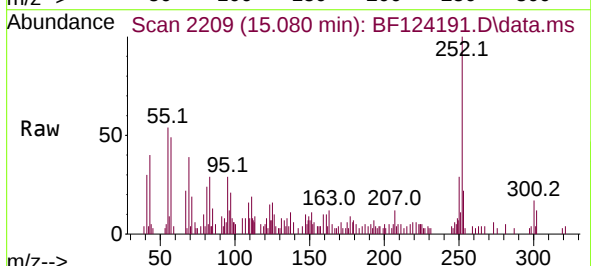
RT: 15.080 min Scan# 2209

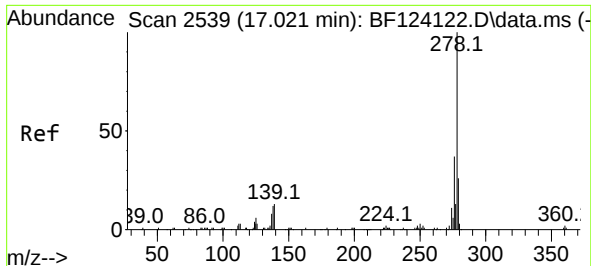
Delta R.T. -0.029 min

Lab File: BF124191.D

Acq: 8 Jun 2021 21:17

Tgt Ion:	252	Resp:	22482
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.9	26.9
125	15.7	7.0	10.6#

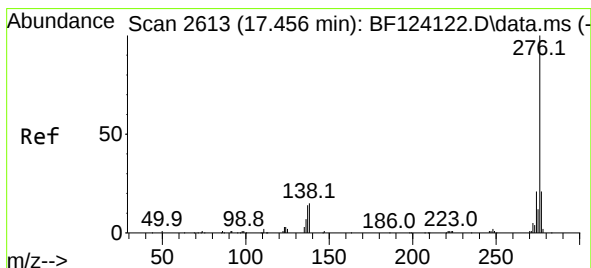
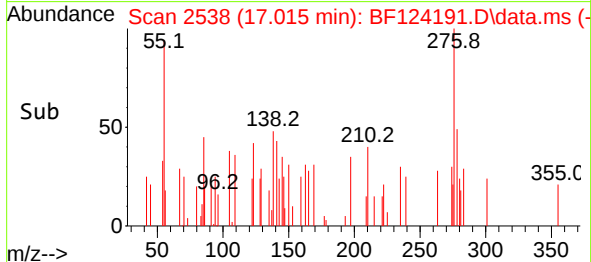
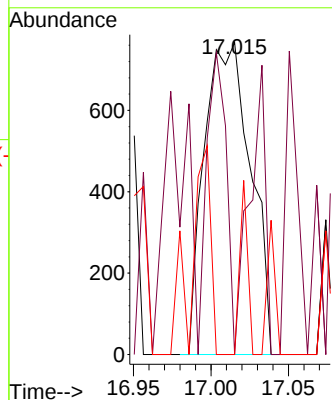
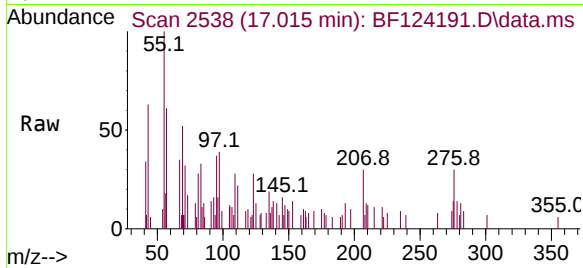




#91
Dibenzo(a,h)anthracene
Concen: 4.45 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.006 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Instrument :
BNA_F
ClientSampleId :
OK-02-060721

Tgt Ion:278 Resp: 1593
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 0.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.95 ng
RT: 17.445 min Scan# 2611
Delta R.T. -0.011 min
Lab File: BF124191.D
Acq: 8 Jun 2021 21:17

Tgt Ion:276 Resp: 6434
Ion Ratio Lower Upper
276 100
277 49.4 18.2 27.2#
138 0.0 13.8 20.6#

