

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062521\
 Data File : BF124450.D
 Acq On : 25 Jun 2021 14:01
 Operator : JU/CG
 Sample : M2819-01DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062321DL

Quant Time: Jun 25 14:36:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 25 13:23:23 2021
 Response via : Initial Calibration

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

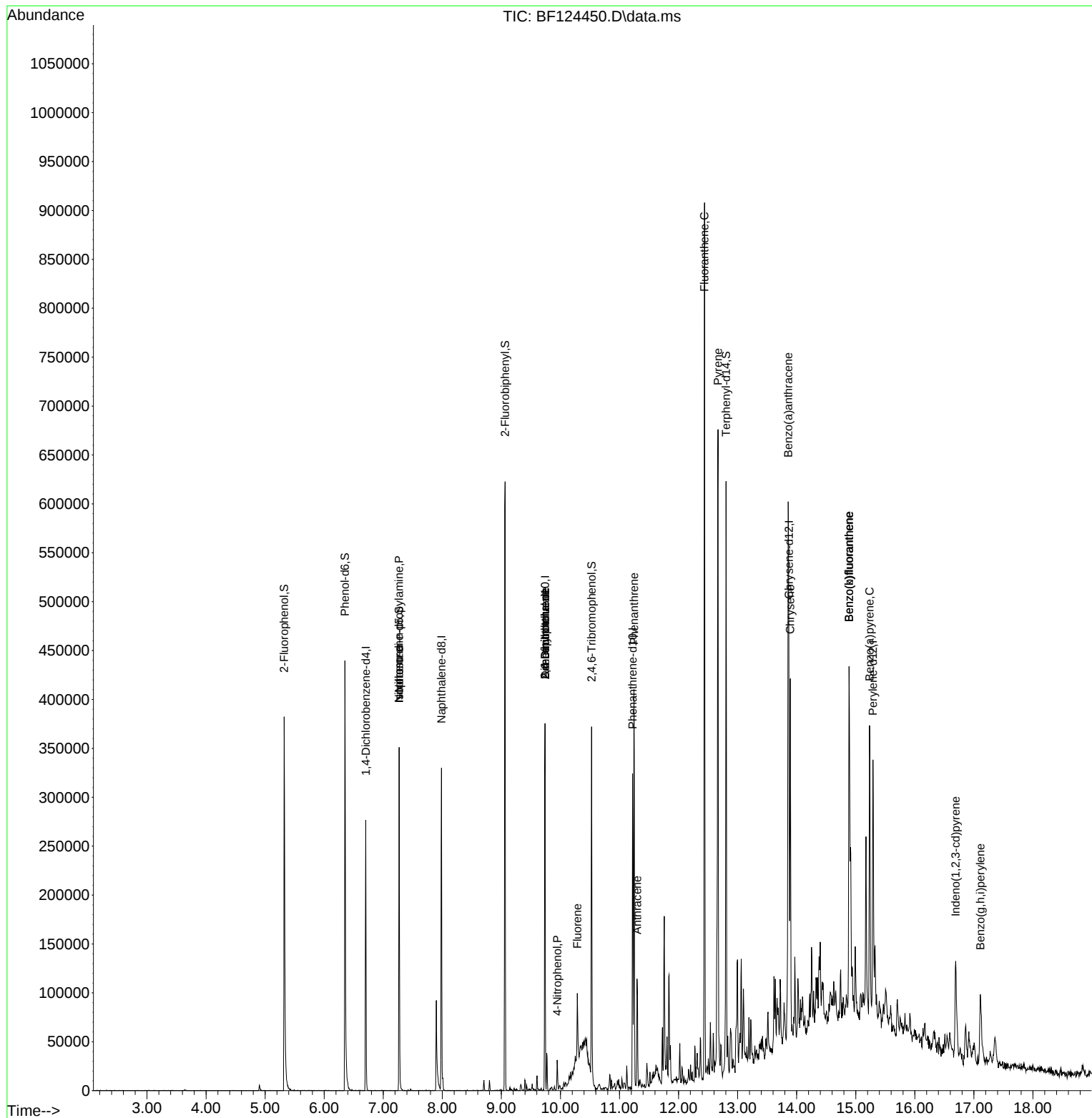
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	35028	20.000	ng	0.00
21) Naphthalene-d8	7.986	136	127736	20.000	ng	# 0.00
39) Acenaphthene-d10	9.739	164	69490	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	107958	20.000	ng	# 0.00
76) Chrysene-d12	13.868	240	98888	20.000	ng	# 0.00
86) Perylene-d12	15.292	264	87710	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	100737	45.229	ng	0.00
7) Phenol-d6	6.351	99	123285	42.393	ng	-0.01
23) Nitrobenzene-d5	7.269	82	90762	29.461	ng	-0.01
42) 2,4,6-Tribromophenol	10.527	330	35327	42.551	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	177961	31.371	ng	0.00
79) Terphenyl-d14	12.804	244	157367	23.835	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.269	70	11962	6.116	ng	# 59
25) Isophorone	7.269	82	90761	17.135	ng	# 69
50) Dimethylphthalate	9.739	163	13391	2.444	ng	# 1
51) 2,6-Dinitrotoluene	9.739	165	8602	6.797	ng	# 15
56) 4-Nitrophenol	9.945	139	3682	6.265	ng	# 1
57) 2,4-Dinitrotoluene	9.739	165	8602	5.128	ng	# 21
58) Fluorene	10.286	166	15820	2.913	ng	# 90
71) Phenanthrene	11.245	178	144653	21.255	ng	99
72) Anthracene	11.298	178	43389	6.399	ng	96
75) Fluoranthene	12.439	202	306740	44.789	ng	97
78) Pyrene	12.669	202	268027	29.693	ng	97
81) Benzo(a)anthracene	13.857	228	170973	23.981	ng	97
83) Chrysene	13.892	228	120937	17.117	ng	95
87) Indeno(1,2,3-cd)pyrene	16.692	276	53893	7.791	ng	# 91
88) Benzo(b)fluoranthene	14.886	252	231422	34.819	ng	# 97
89) Benzo(k)fluoranthene	14.886	252	231422	38.058	ng	# 98
90) Benzo(a)pyrene	15.233	252	121140	20.510	ng	96
92) Benzo(g,h,i)perylene	17.109	276	47338	8.074	ng	97

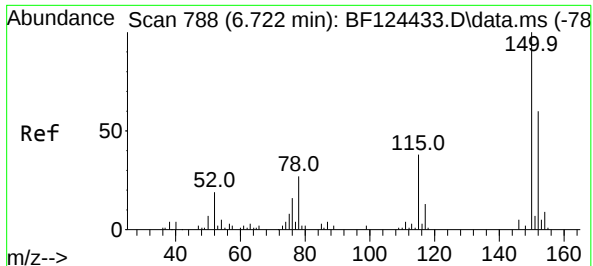
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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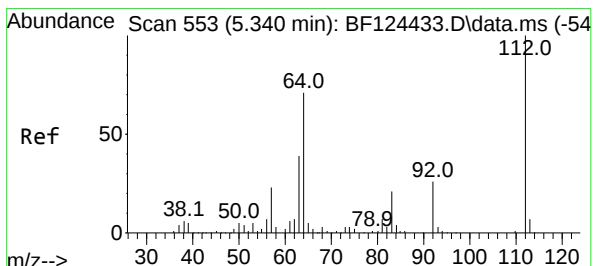
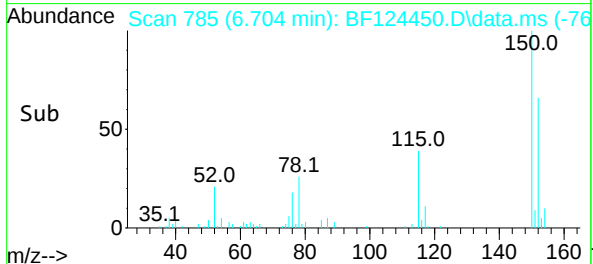
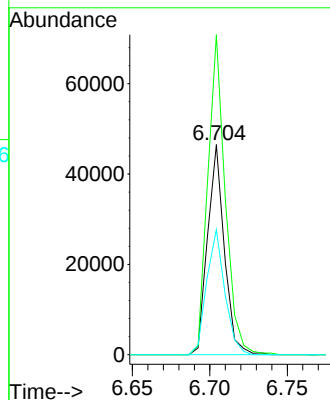
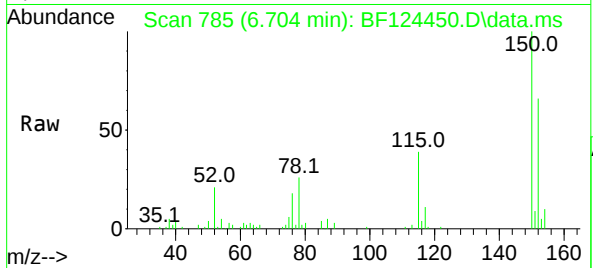




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.704 min Scan# 785
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

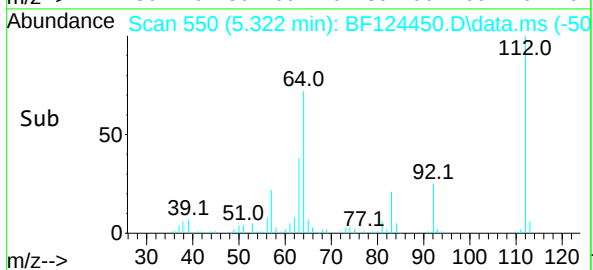
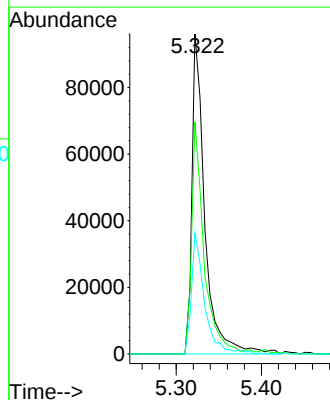
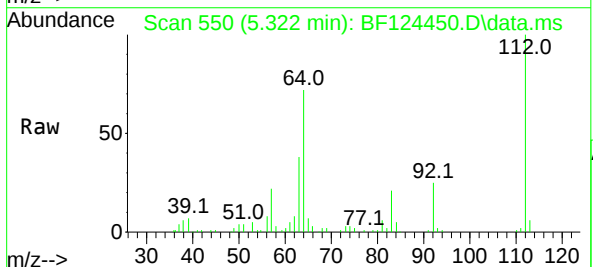
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BNA_F
ClientSampleId :
CL-02-062321DL

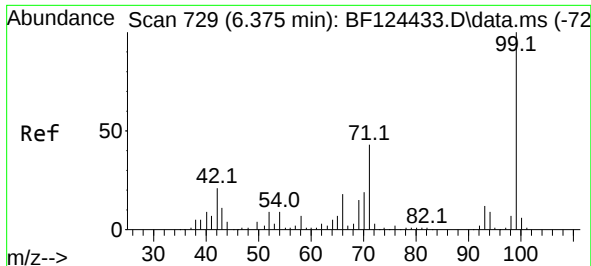
Tgt Ion:152 Resp: 35028
Ion Ratio Lower Upper
152 100
150 152.3 127.0 190.6
115 59.5 54.3 81.5



#5
2-Fluorophenol
Concen: 45.229 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:112 Resp: 100737
Ion Ratio Lower Upper
112 100
64 72.5 61.4 92.0
63 37.8 33.0 49.4

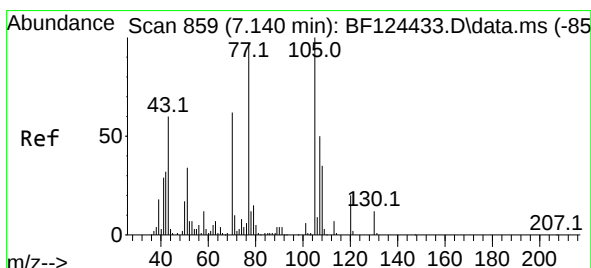
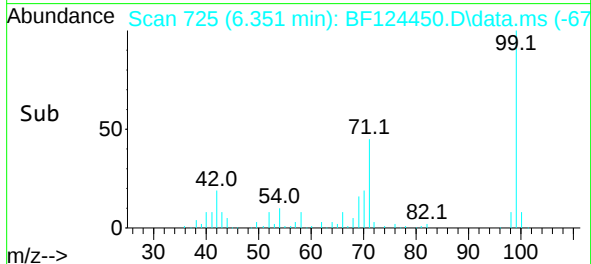
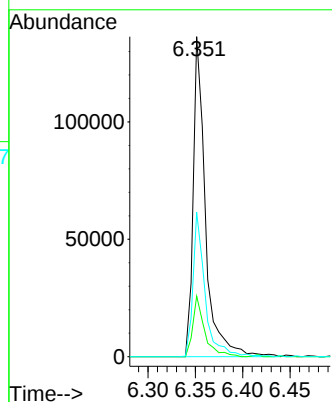
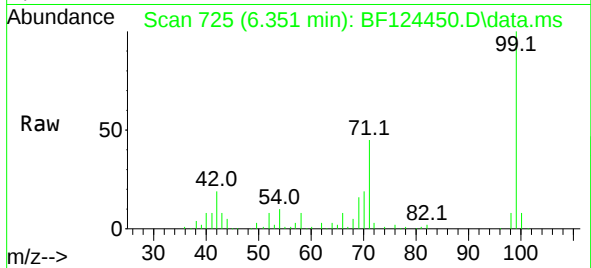




#7
Phenol-d6
Concen: 42.393 ng
RT: 6.351 min Scan# 725
Delta R.T. -0.012 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

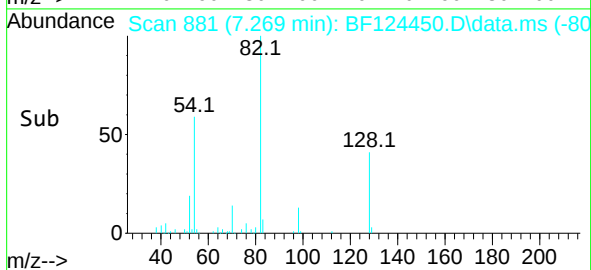
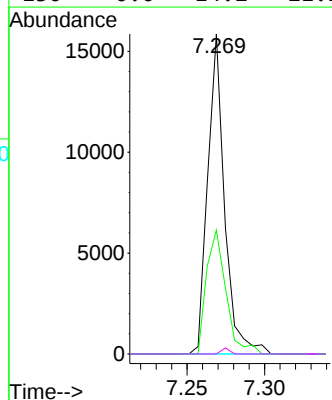
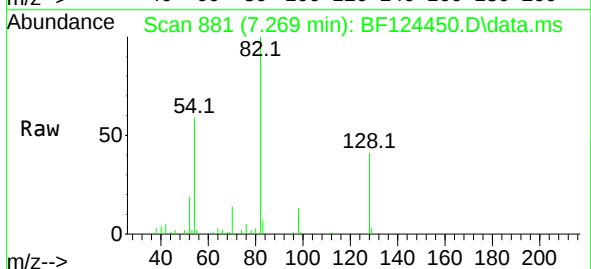
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ClientSampleID :
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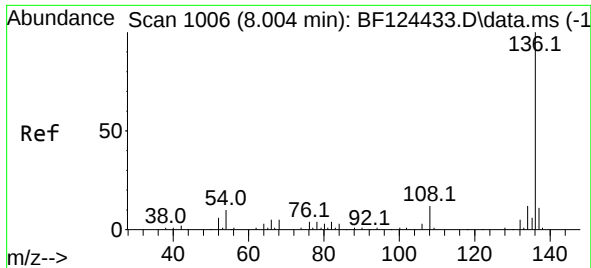
Tgt Ion: 99 Resp: 123285
Ion Ratio Lower Upper
99 100
42 19.0 19.8 29.8#
71 45.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.116 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.141 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion: 70 Resp: 11962
Ion Ratio Lower Upper
70 100
42 38.7 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

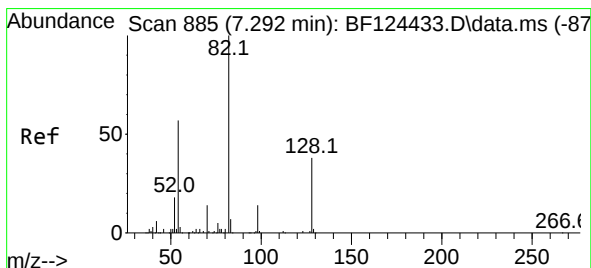
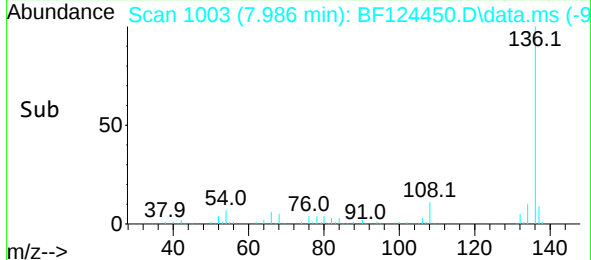
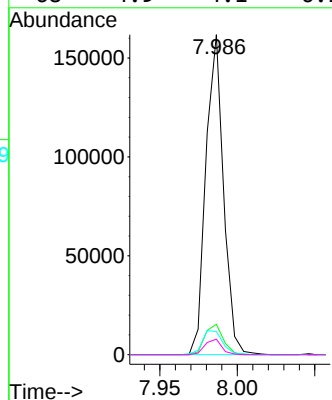
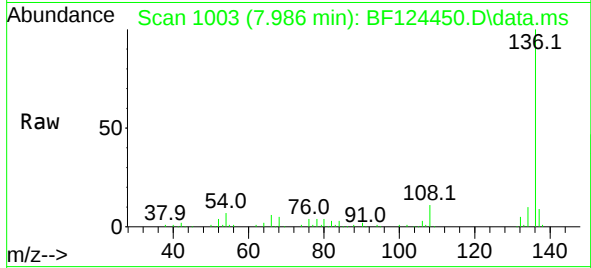




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

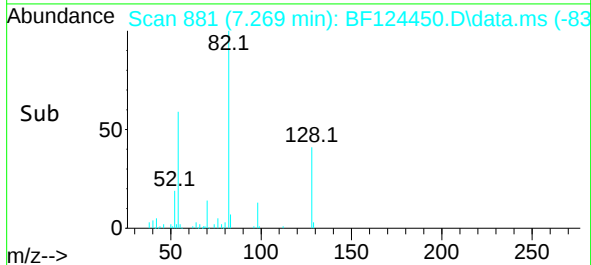
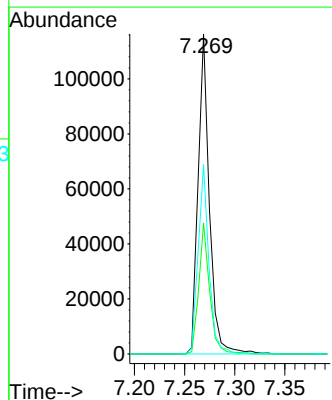
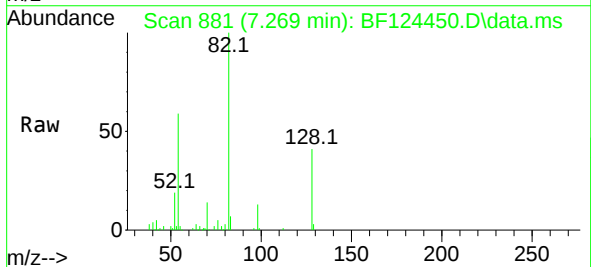
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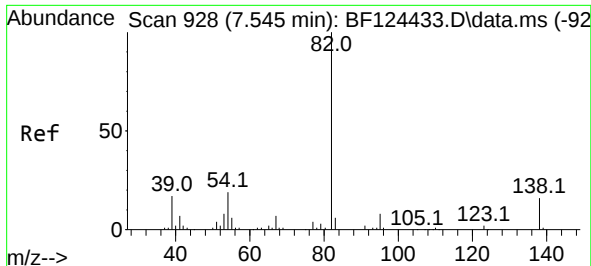
Tgt Ion:136	Resp:	127736
Ion Ratio	Lower	Upper
136	100	
137	9.5	8.7 13.1
54	7.2	9.8 14.6#
68	4.9	4.1 6.1



#23
Nitrobenzene-d5
Concen: 29.461 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion: 82	Resp:	90762
Ion Ratio	Lower	Upper
82	100	
128	41.0	29.4 44.2
54	59.2	54.1 81.1

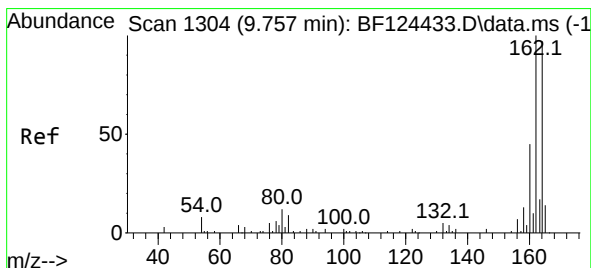
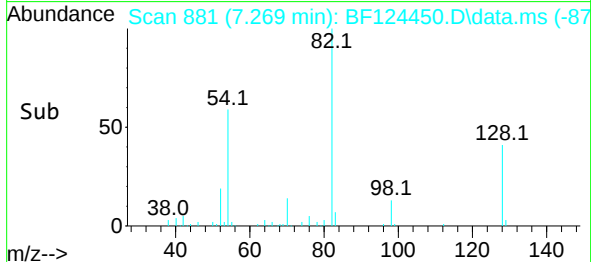
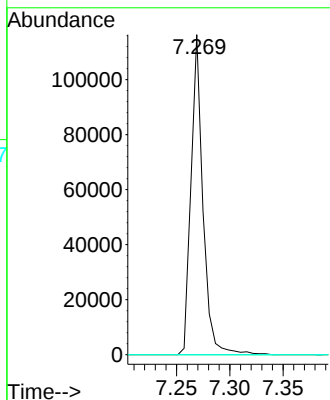
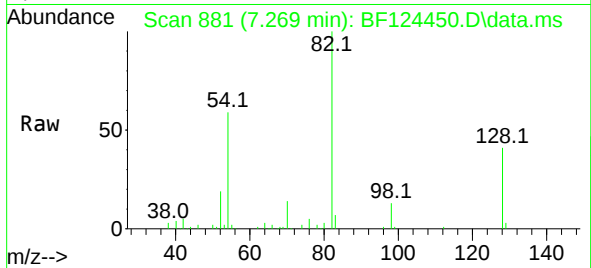




#25
Isophorone
Concen: 17.135 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.265 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

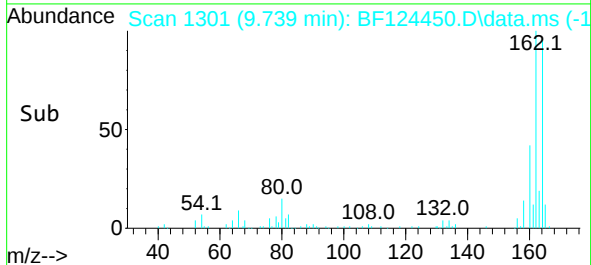
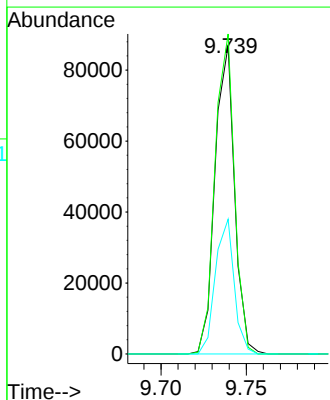
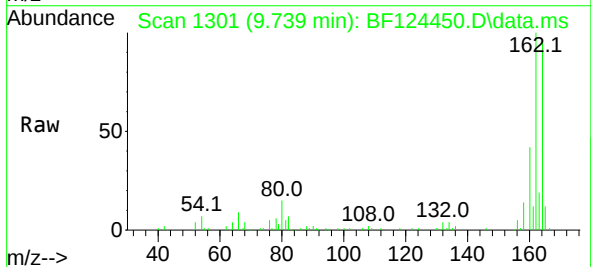
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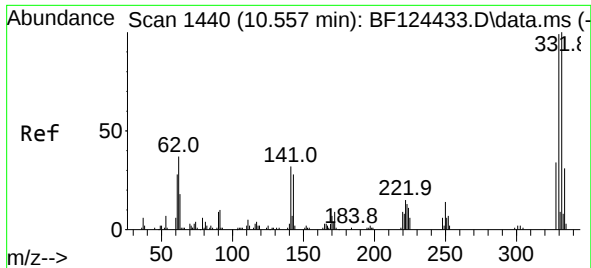
Tgt Ion: 82 Resp: 90761
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.739 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion: 164 Resp: 69490
Ion Ratio Lower Upper
164 100
162 103.8 80.7 121.1
160 43.7 37.3 55.9

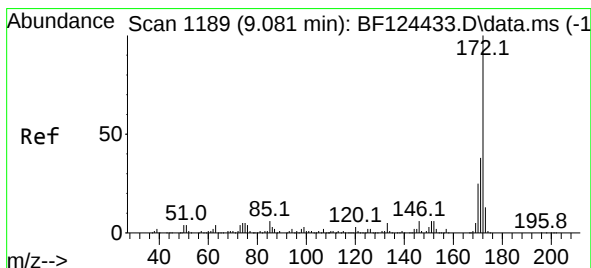
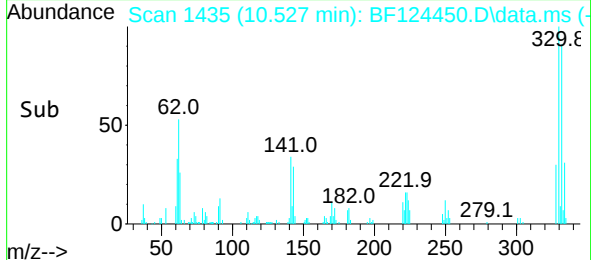
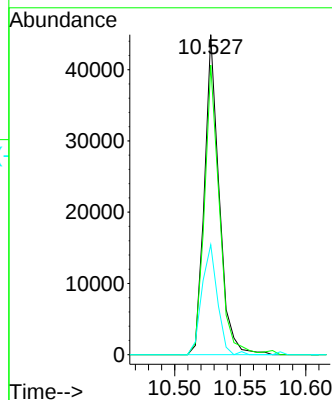
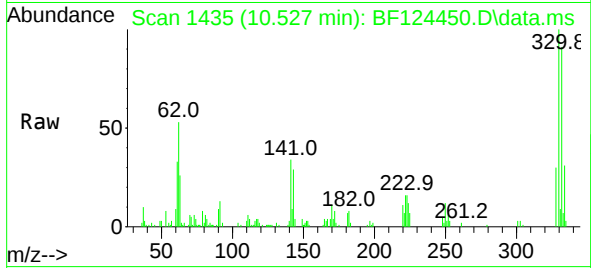




#42
2,4,6-Tribromophenol
Concen: 42.551 ng
RT: 10.527 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

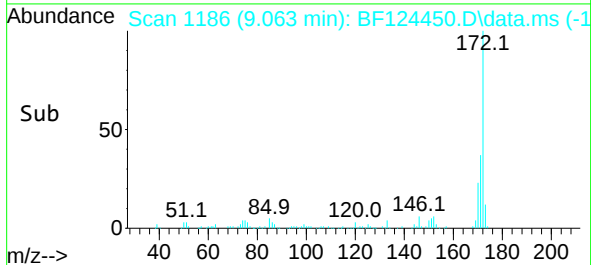
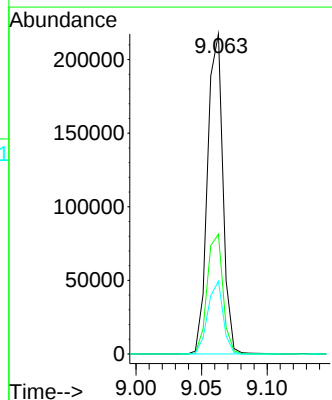
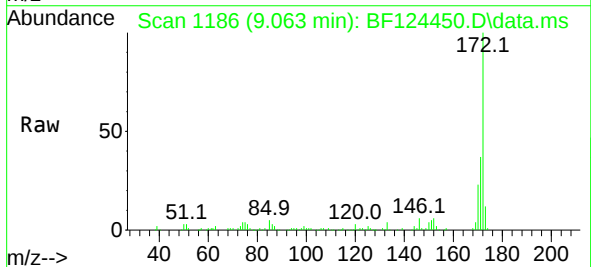
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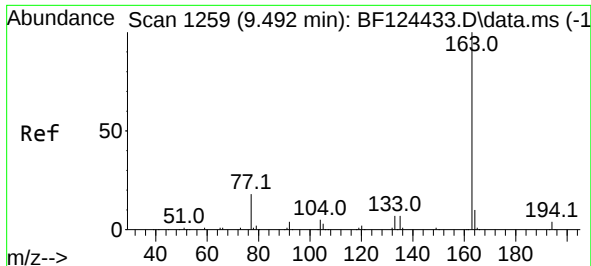
Tgt Ion: 330 Resp: 35327
Ion Ratio Lower Upper
330 100
332 92.5 77.1 115.7
141 35.9 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 31.371 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion: 172 Resp: 177961
Ion Ratio Lower Upper
172 100
171 37.5 28.1 42.1
170 22.8 19.2 28.8

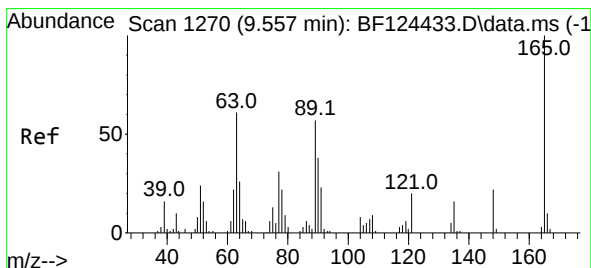
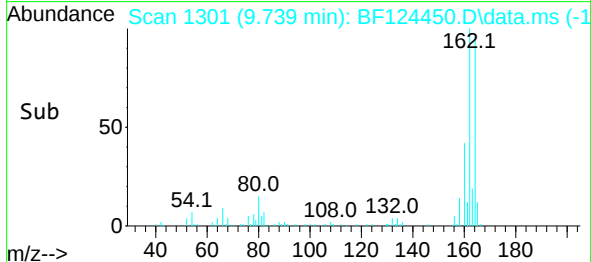
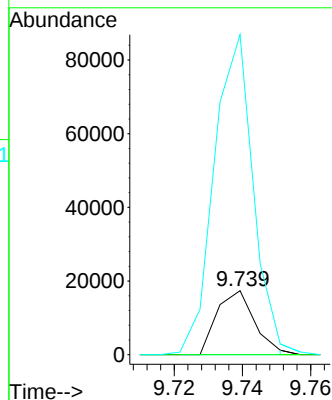
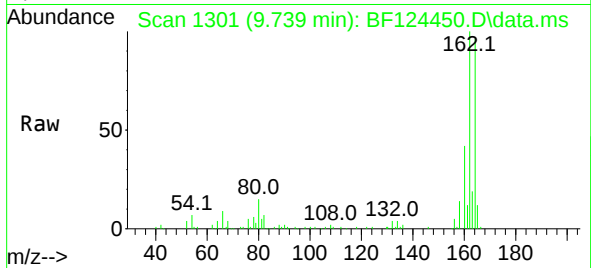




#50
Dimethylphthalate
Concen: 2.444 ng
RT: 9.739 min Scan# 1301
Delta R.T. 0.265 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

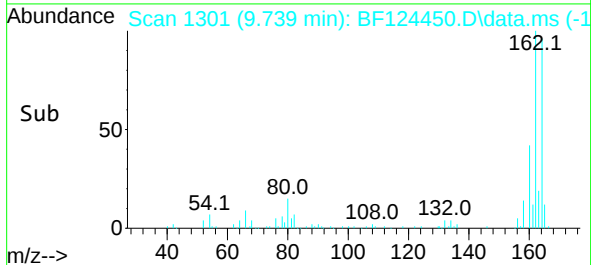
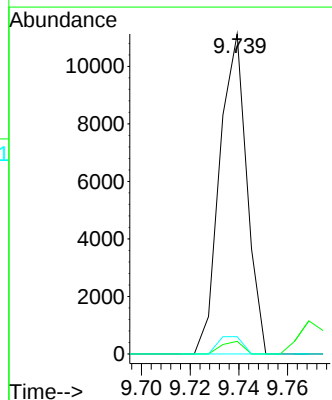
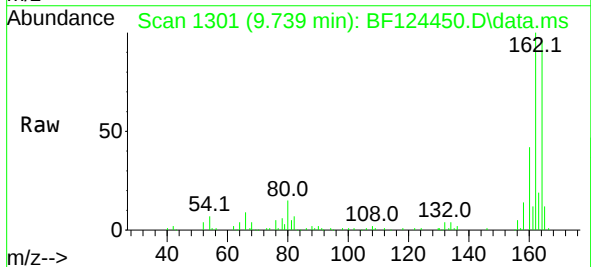
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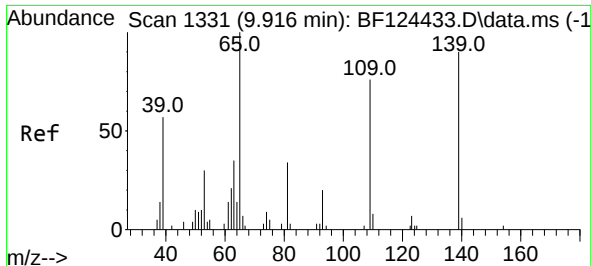
Tgt Ion:163 Resp: 13391
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 500.0 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 6.797 ng
RT: 9.739 min Scan# 1301
Delta R.T. 0.200 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:165 Resp: 8602
Ion Ratio Lower Upper
165 100
63 3.9 67.7 101.5#
89 5.4 58.8 88.2#

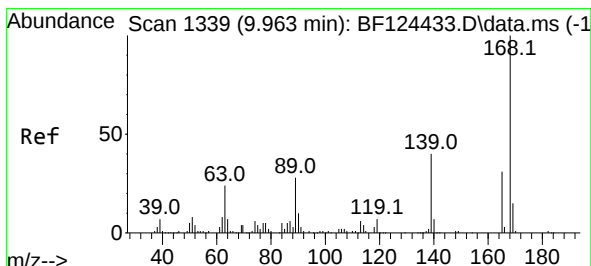
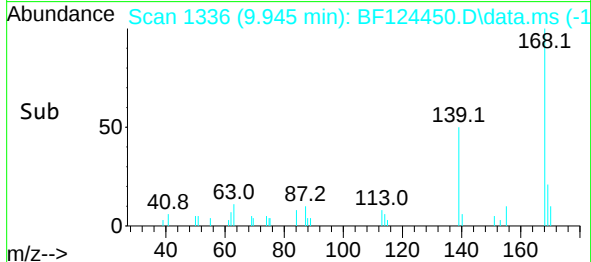
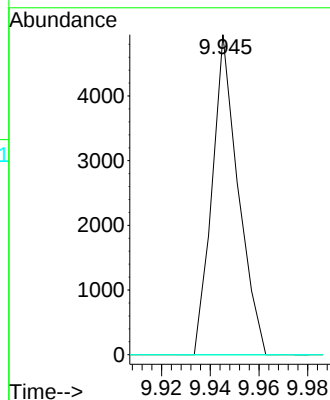
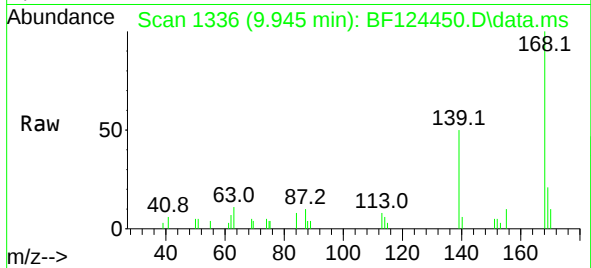




#56
4-Nitrophenol
Concen: 6.265 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.053 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

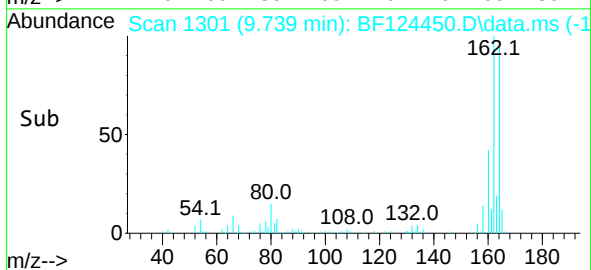
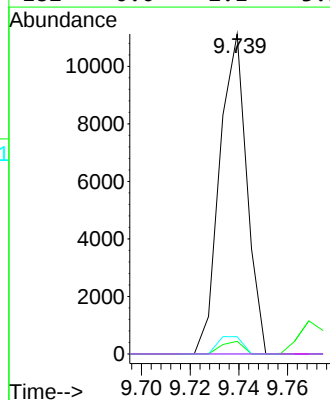
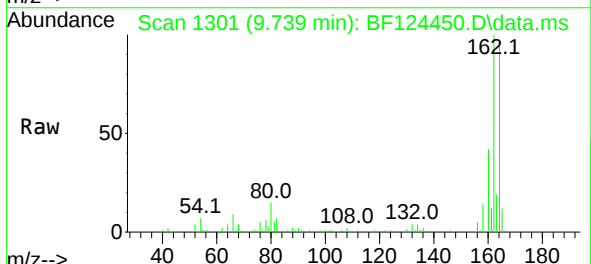
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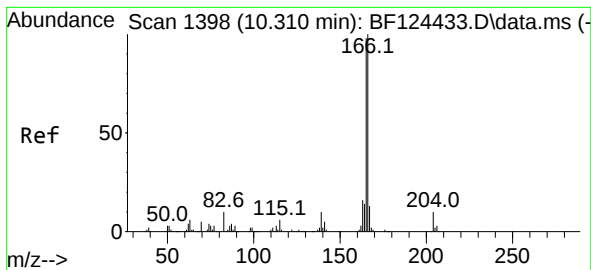
Tgt Ion:139 Resp: 3682
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 5.128 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.206 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:165 Resp: 8602
Ion Ratio Lower Upper
165 100
63 3.9 43.5 65.3#
89 5.4 67.7 101.5#
182 0.0 2.1 3.1#

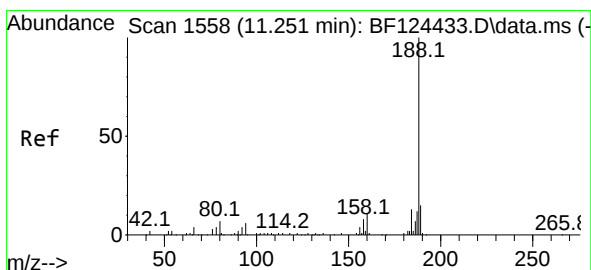
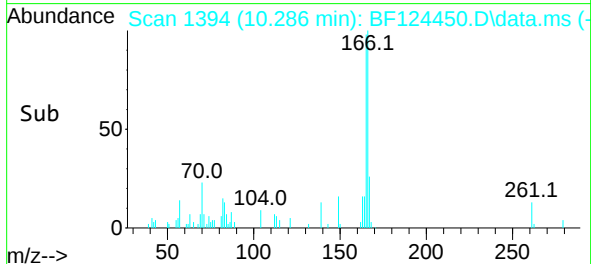
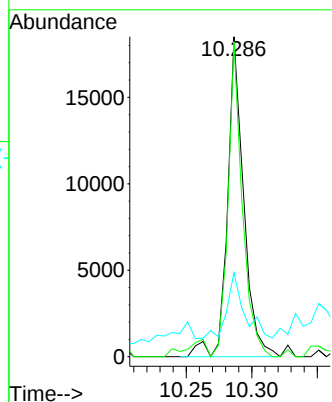
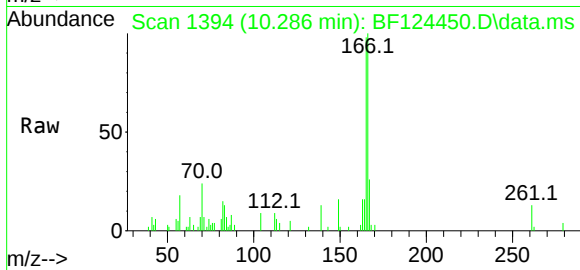




#58
Fluorene
Concen: 2.913 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

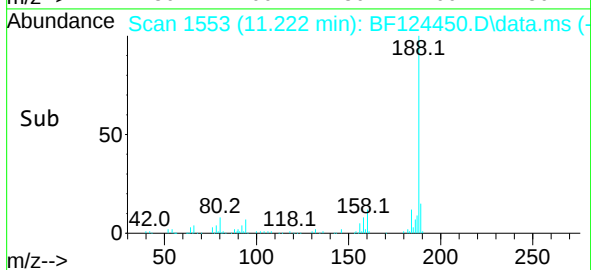
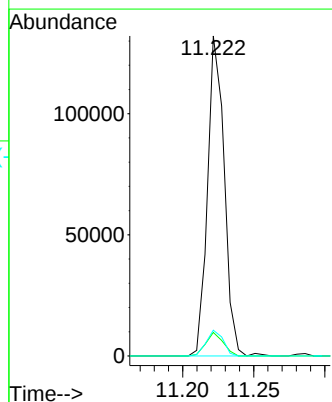
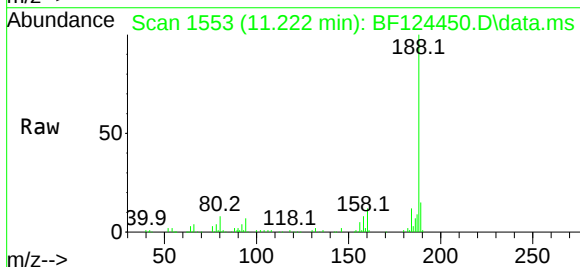
Instrument :
BNA_F
ClientSampleId :
CL-02-062321DL

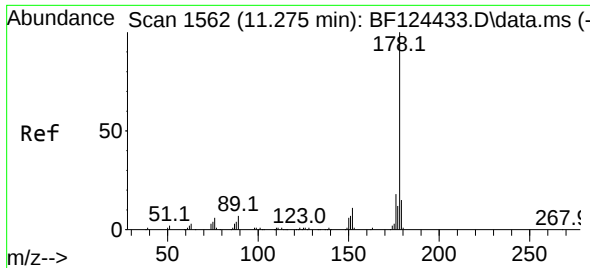
Tgt Ion:166 Resp: 15820
Ion Ratio Lower Upper
166 100
165 98.4 73.5 110.3
167 26.2 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:188 Resp: 107958
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 8.0 8.2 12.2#

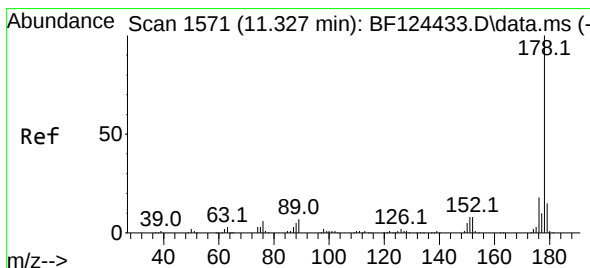
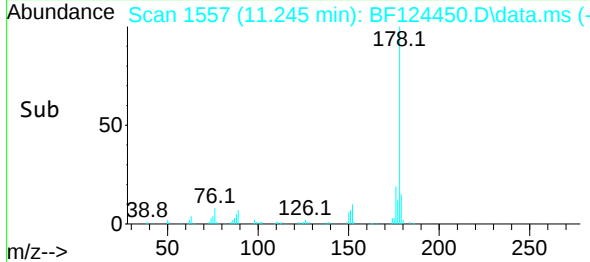
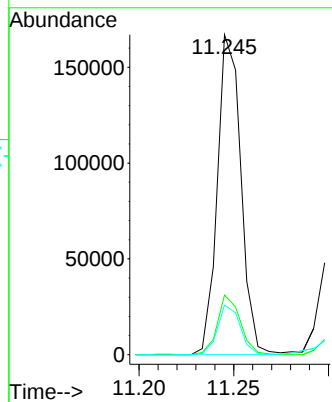
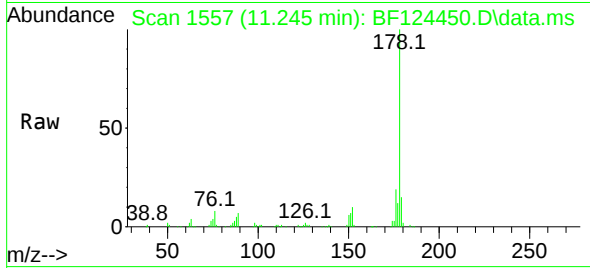




#71
Phenanthrene
Concen: 21.255 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

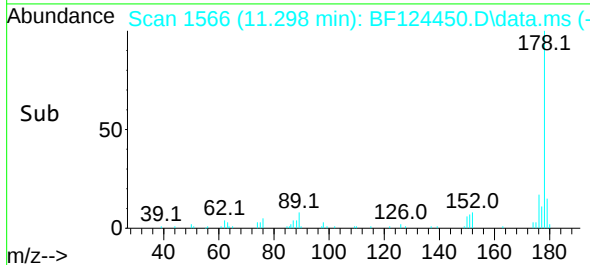
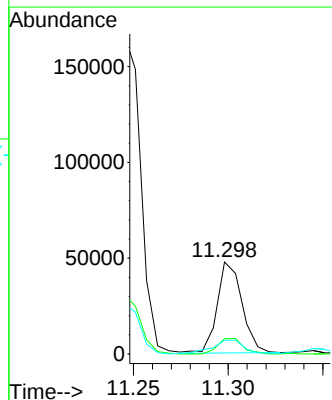
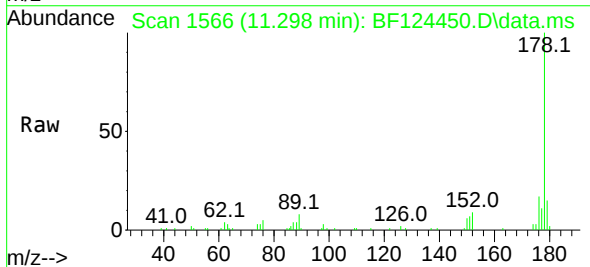
Instrument :
BNA_F
ClientSampleId :
CL-02-062321DL

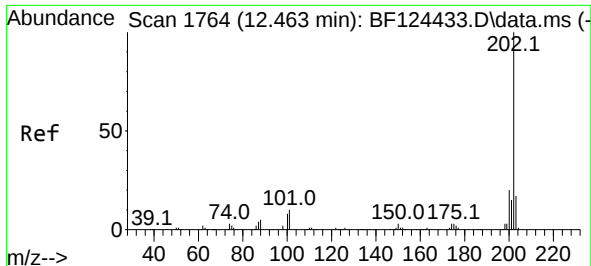
Tgt Ion:178 Resp: 144653
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.5 12.5 18.7



#72
Anthracene
Concen: 6.399 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:178 Resp: 43389
Ion Ratio Lower Upper
178 100
176 16.6 15.4 23.0
179 14.7 12.6 18.8

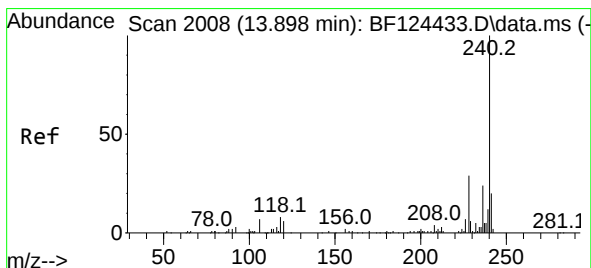
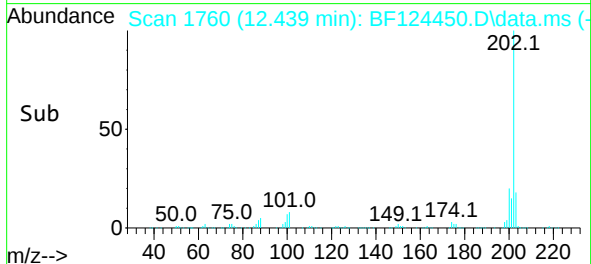
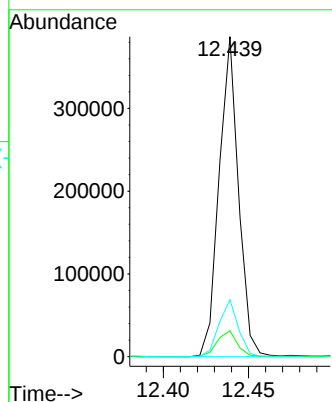
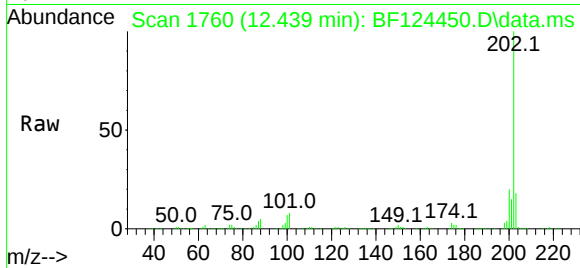




#75
Fluoranthene
Concen: 44.789 ng
RT: 12.439 min Scan# 1760
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

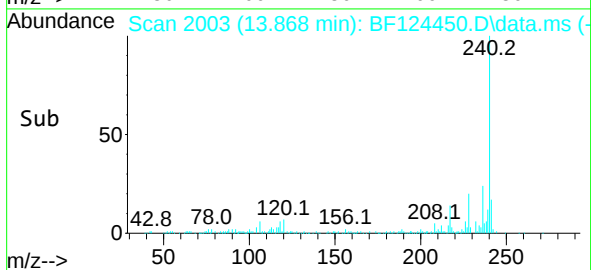
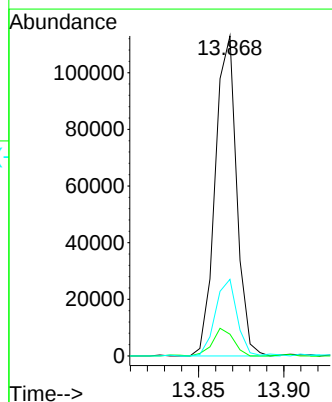
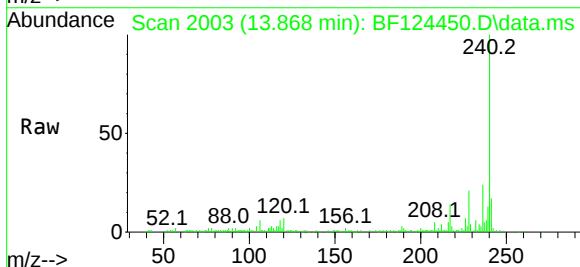
Instrument :
BNA_F
ClientSampleId :
CL-02-062321DL

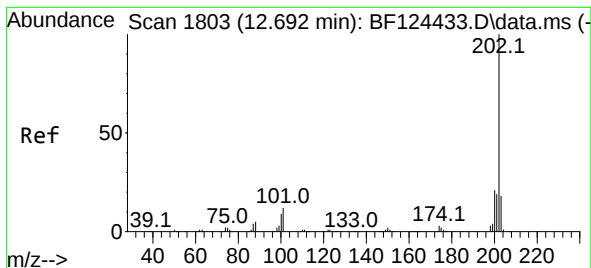
Tgt Ion:202 Resp: 306740
Ion Ratio Lower Upper
202 100
101 8.1 0.0 30.9
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:240 Resp: 98888
Ion Ratio Lower Upper
240 100
120 6.8 7.2 10.8#
236 24.0 19.0 28.4





#78

Pyrene

Concen: 29.693 ng

RT: 12.669 min Scan# 1799

Delta R.T. 0.000 min

Lab File: BF124450.D

Acq: 25 Jun 2021 14:01

Tgt Ion:202 Resp: 268027

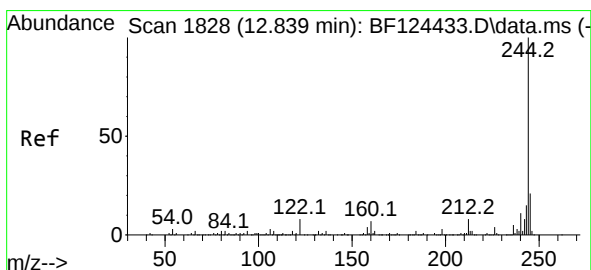
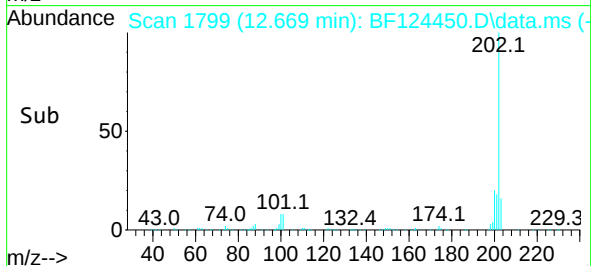
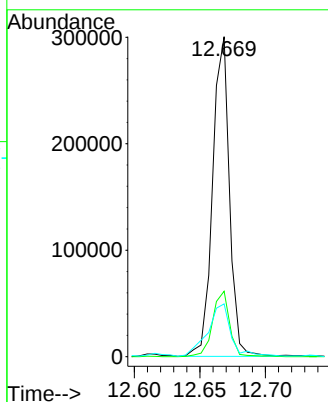
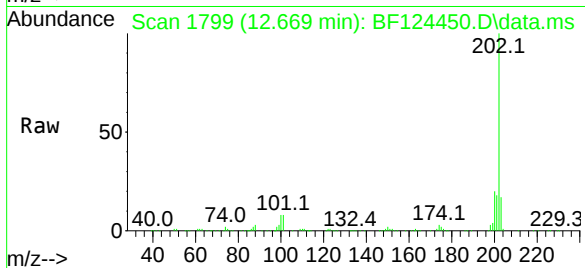
Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.1	24.1
203	16.5	14.8	22.2

Instrument :

BNA_F

ClientSampleId :

CL-02-062321DL



#79

Terphenyl-d14

Concen: 23.835 ng

RT: 12.804 min Scan# 1822

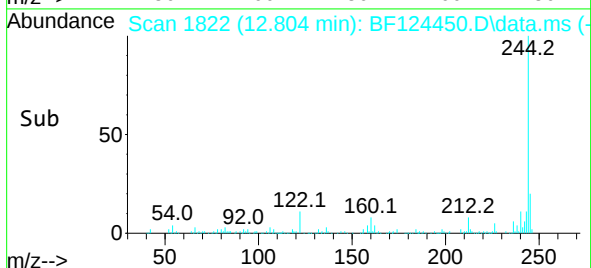
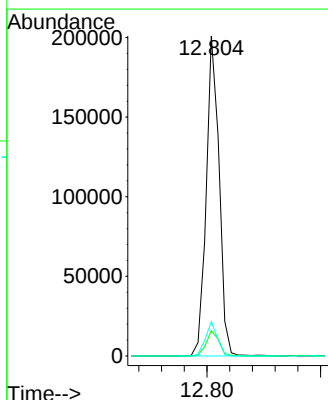
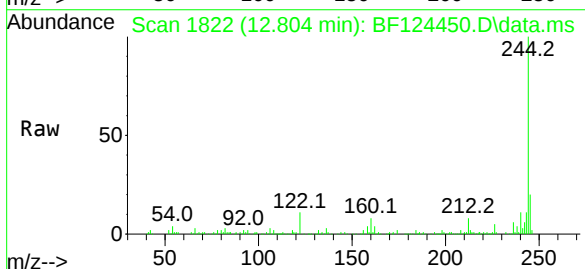
Delta R.T. -0.006 min

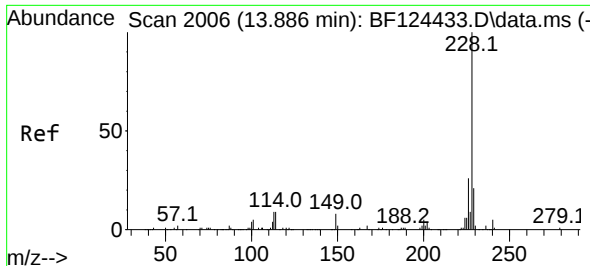
Lab File: BF124450.D

Acq: 25 Jun 2021 14:01

Tgt Ion:244 Resp: 157367

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	10.7	9.7	14.5

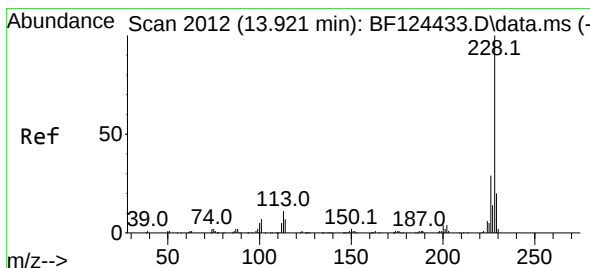
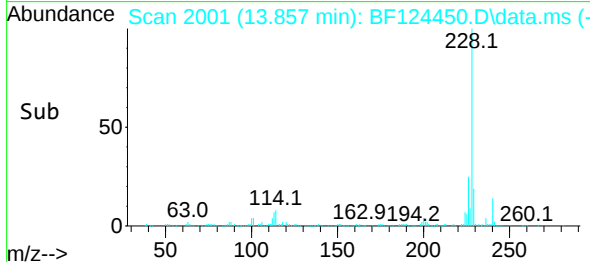
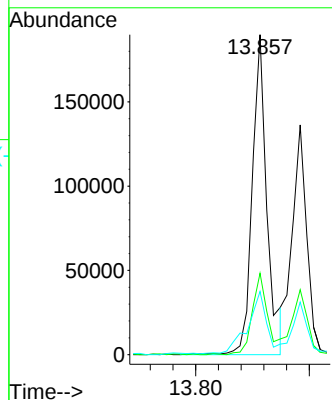
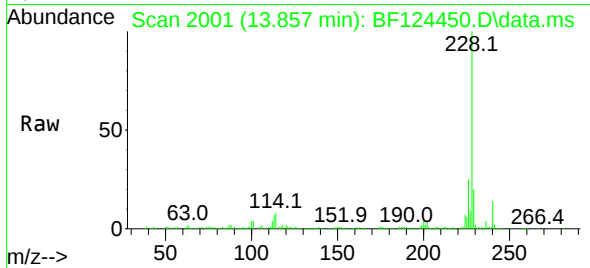




#81
Benzo(a)anthracene
Concen: 23.981 ng
RT: 13.857 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

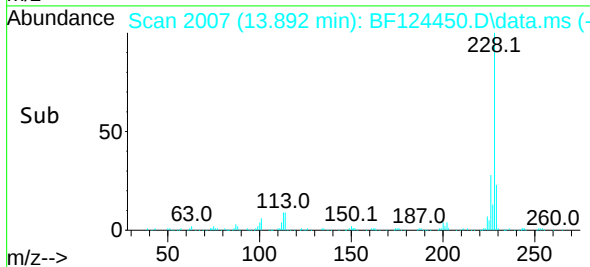
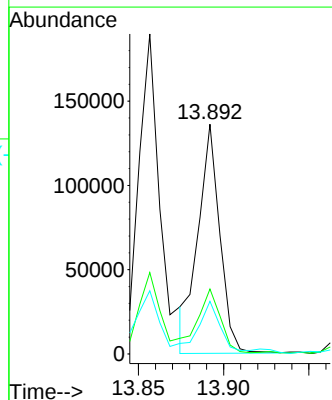
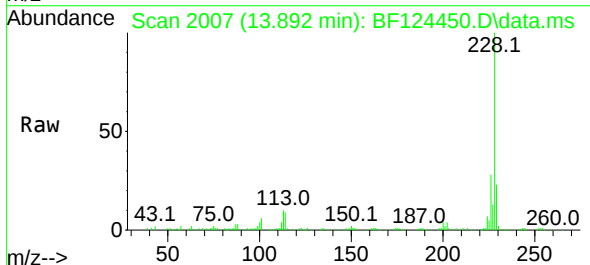
Instrument :
BNA_F
ClientSampleId :
CL-02-062321DL

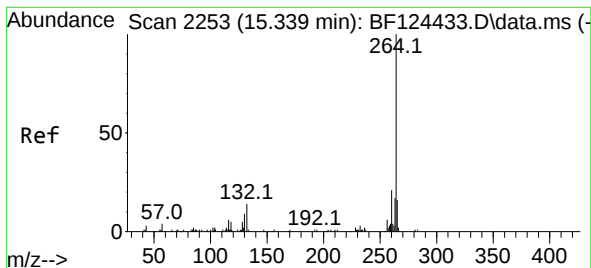
Tgt Ion:228 Resp: 170973
Ion Ratio Lower Upper
228 100
226 25.4 22.4 33.6
229 19.8 16.0 24.0



#83
Chrysene
Concen: 17.117 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:228 Resp: 120937
Ion Ratio Lower Upper
228 100
226 28.2 24.3 36.5
229 22.9 16.2 24.2

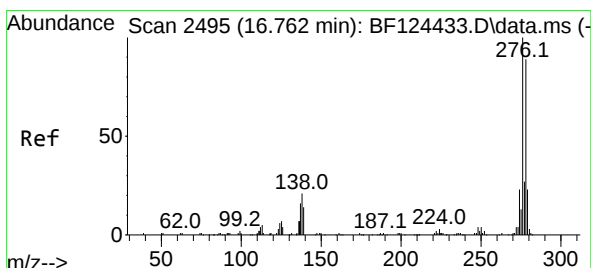
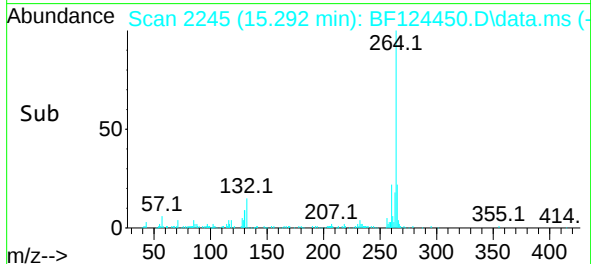
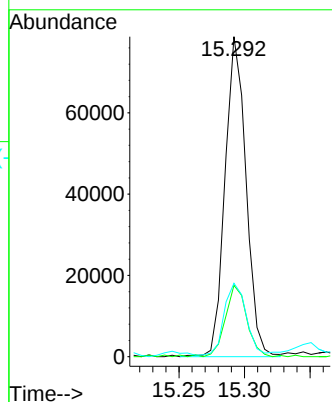
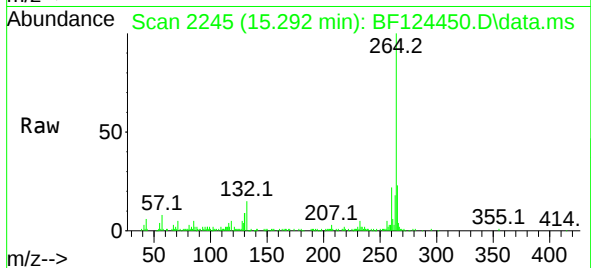




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. 0.000 min
 Lab File: BF124450.D
 Acq: 25 Jun 2021 14:01

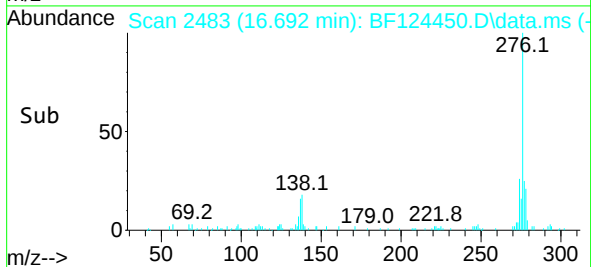
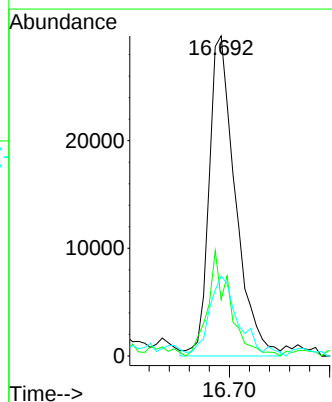
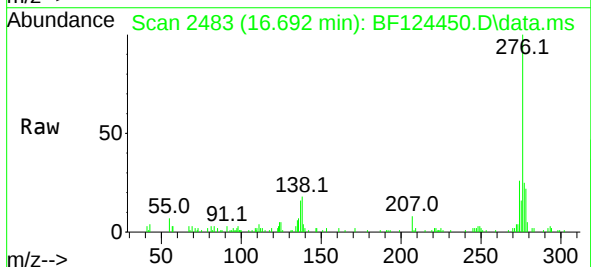
Instrument :
 BNA_F
 ClientSampleID :
 CL-02-062321DL

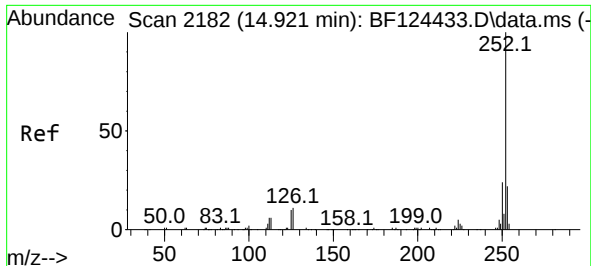
Tgt Ion:264	Resp:	87710
Ion Ratio	Lower	Upper
264	100	
260	22.3	18.7 28.1
265	22.9	17.8 26.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.791 ng
 RT: 16.692 min Scan# 2483
 Delta R.T. 0.000 min
 Lab File: BF124450.D
 Acq: 25 Jun 2021 14:01

Tgt Ion:276	Resp:	53893
Ion Ratio	Lower	Upper
276	100	
138	27.6	16.2 24.2#
277	26.7	20.1 30.1

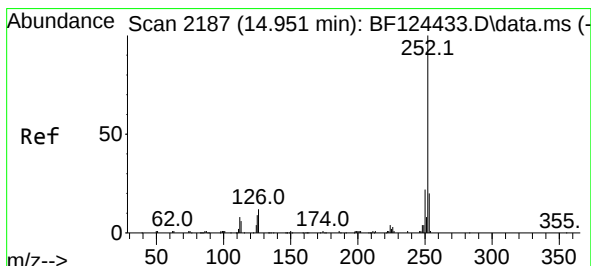
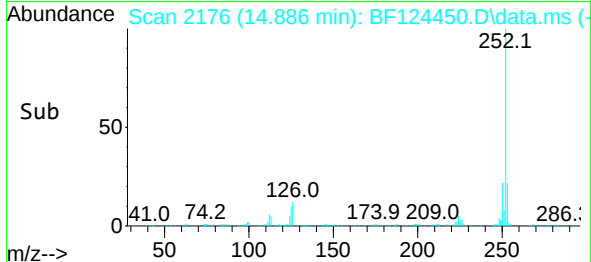
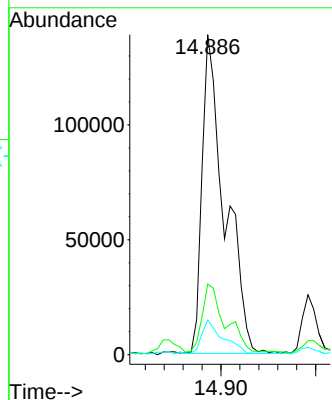
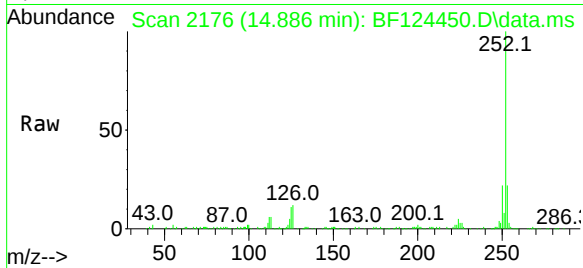




#88
Benzo(b)fluoranthene
Concen: 34.819 ng
RT: 14.886 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

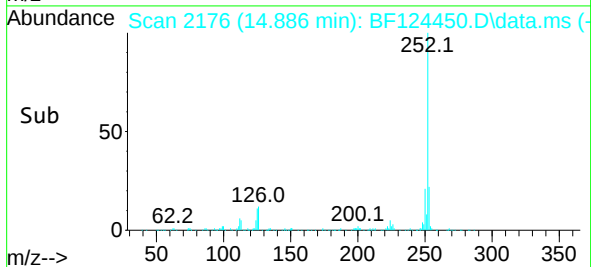
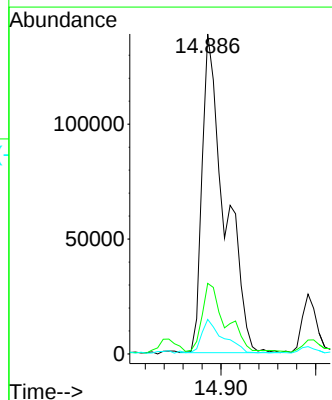
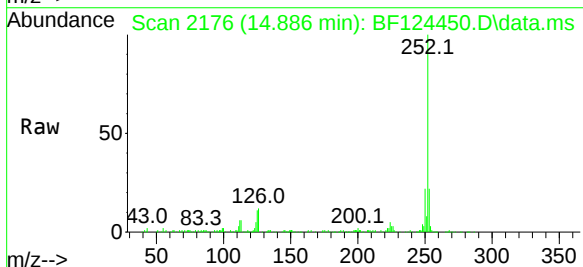
Instrument :
BNA_F
ClientSampleId :
CL-02-062321DL

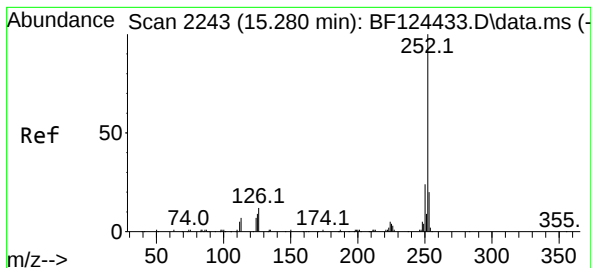
Tgt Ion:252 Resp: 231422
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 10.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 38.058 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.029 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:252 Resp: 231422
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 10.8 7.0 10.6#

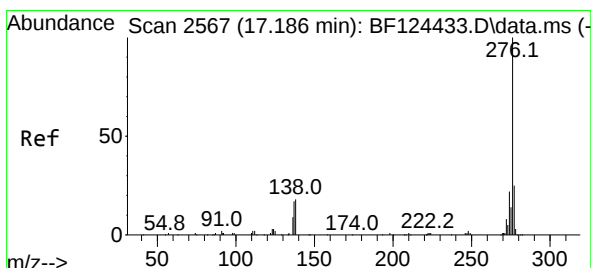
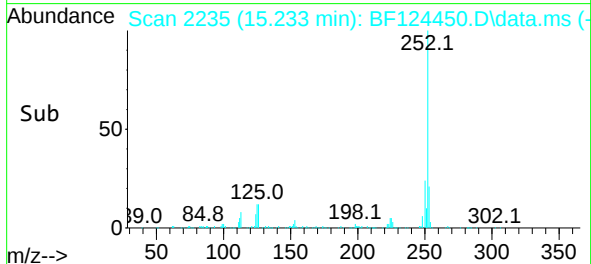
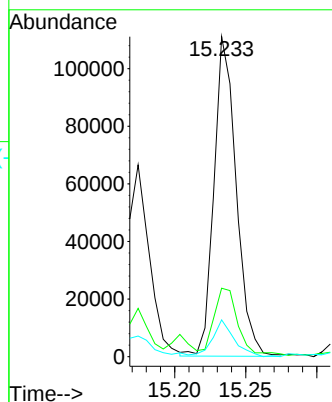
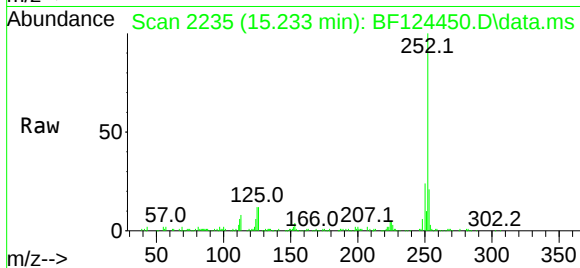




#90
Benzo(a)pyrene
Concen: 20.510 ng
RT: 15.233 min Scan# 2235
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Instrument :
BNA_F
ClientSampleId :
CL-02-062321DL

Tgt Ion:252 Resp: 121140
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 11.5 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 8.074 ng
RT: 17.109 min Scan# 2554
Delta R.T. 0.000 min
Lab File: BF124450.D
Acq: 25 Jun 2021 14:01

Tgt Ion:276 Resp: 47338
Ion Ratio Lower Upper
276 100
277 22.7 18.2 27.2
138 20.5 13.8 20.6

