

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124188.D
 Acq On : 8 Jun 2021 19:37
 Operator : JU/CG
 Sample : M2598-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 19

Quant Time: Jun 09 04:09:08 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)

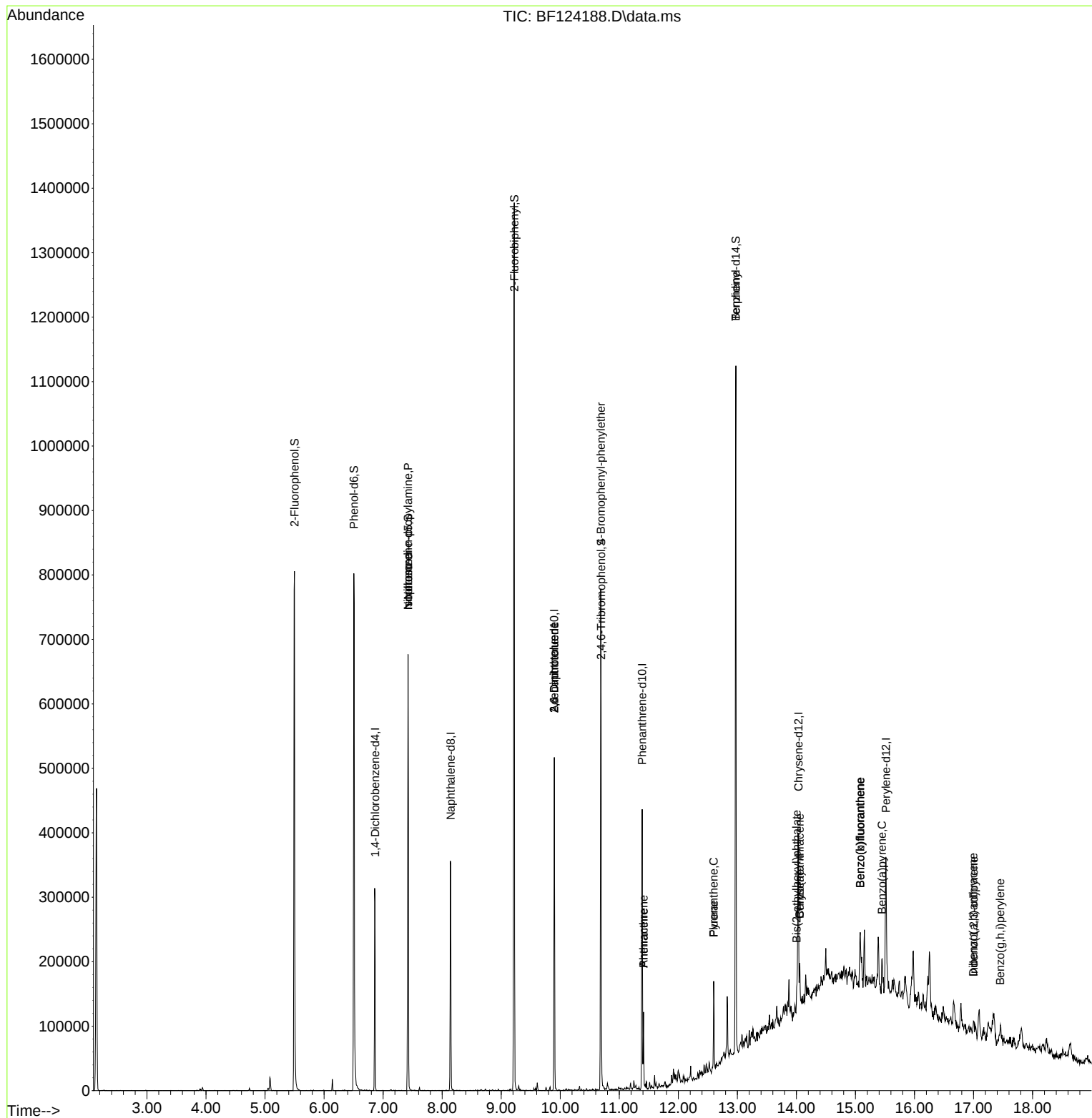
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	39805	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	150543	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	86140	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	137982	20.00	ng	0.00
76) Chrysene-d12	14.033	240	82734	20.00	ng	0.00
86) Perylene-d12	15.515	264	81768	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	189309	71.59	ng	0.00
7) Phenol-d6	6.504	99	240727	67.73	ng	0.00
23) Nitrobenzene-d5	7.422	82	206883	54.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	83065	68.06	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	391739	57.23	ng	0.00
79) Terphenyl-d14	12.974	244	313522	52.03	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	28268	11.27	ng	# 70
25) Isophorone	7.422	82	206630	30.21	ng	# 69
51) 2,6-Dinitrotoluene	9.898	165	11461	7.01	ng	# 11
57) 2,4-Dinitrotoluene	9.898	165	11461	5.32	ng	# 17
67) 4-Bromophenyl-phenylether	10.686	248	4878	2.58	ng	# 1
71) Phenanthrene	11.410	178	27751	3.22	ng	97
72) Anthracene	11.410	178	27751	3.20	ng	97
75) Fluoranthene	12.598	202	45876	5.07	ng	98
77) Benzidine	12.974	184	6564	7.18	ng	# 91
78) Pyrene	12.598	202	45876	5.77	ng	96
81) Benzo(a)anthracene	14.057	228	23885	3.96	ng	92
83) Chrysene	14.057	228	23885	4.11	ng	94
84) Bis(2-ethylhexyl)phtha...	14.004	149	9197	2.40	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.003	276	13721	6.17	ng	# 91
88) Benzo(b)fluoranthene	15.080	252	45900	7.23	ng	# 93
89) Benzo(k)fluoranthene	15.080	252	45900	7.63	ng	# 93
90) Benzo(a)pyrene	15.451	252	16346	2.96	ng	# 90
91) Dibenzo(a,h)anthracene	16.998	278	1573	4.42	ng	# 1
92) Benzo(g,h,i)perylene	17.450	276	13132	5.92	ng	# 90

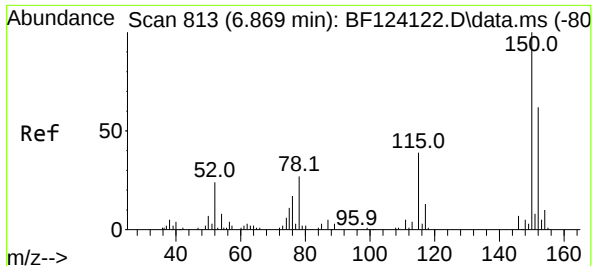
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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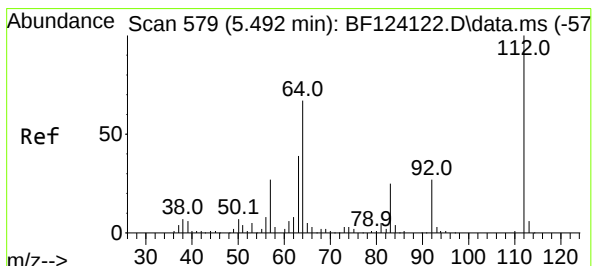
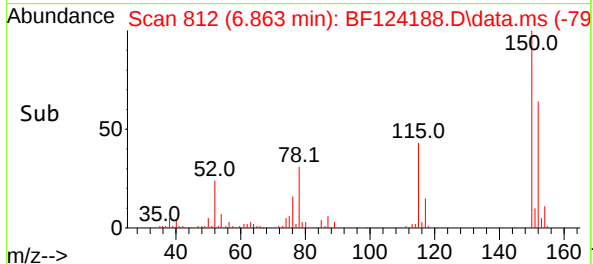
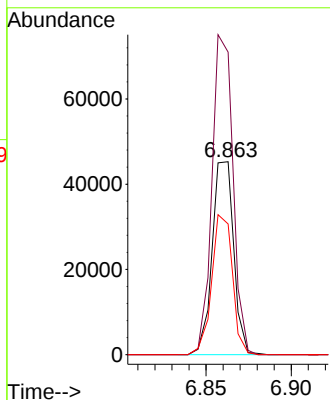
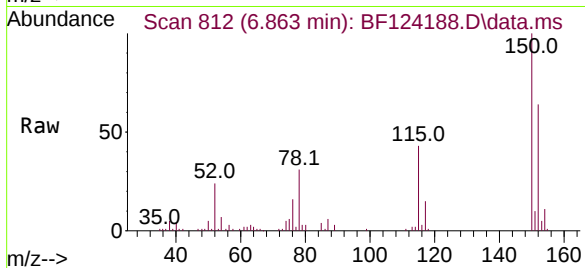




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

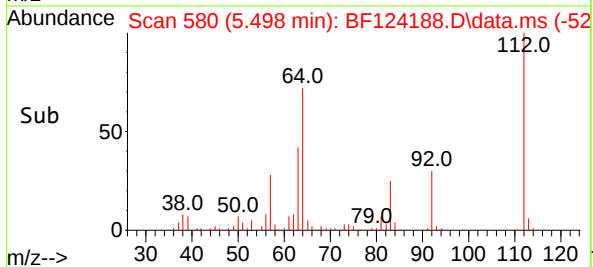
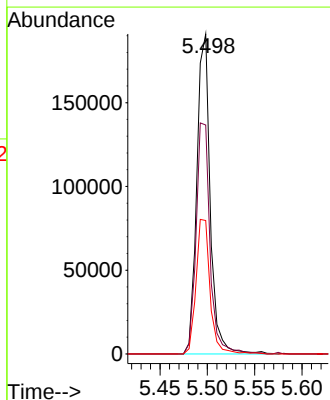
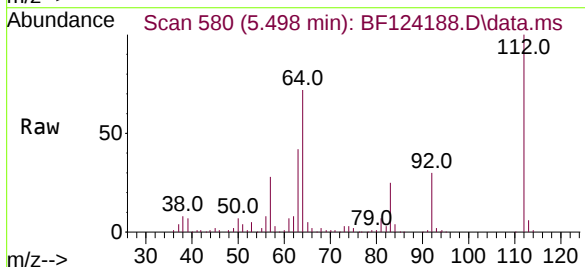
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BNA_F
ClientSampleId :
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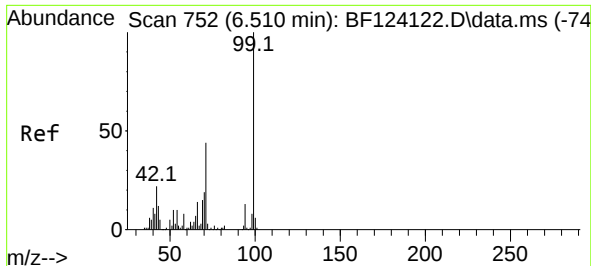
Tgt Ion:152 Resp: 39805
Ion Ratio Lower Upper
152 100
150 156.8 127.0 190.6
115 67.8 54.3 81.5



#5
2-Fluorophenol
Concen: 71.59 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:112 Resp: 189309
Ion Ratio Lower Upper
112 100
64 71.6 61.4 92.0
63 41.7 33.0 49.4

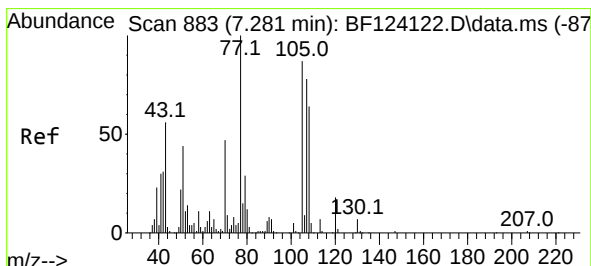
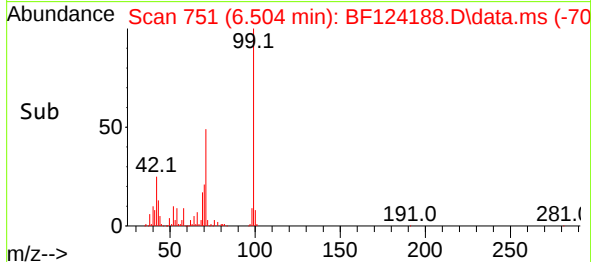
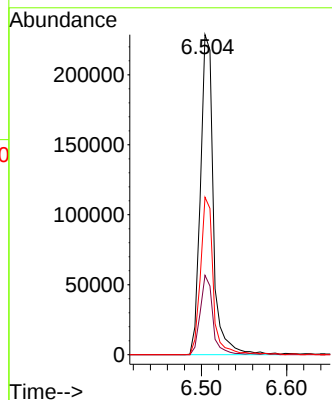
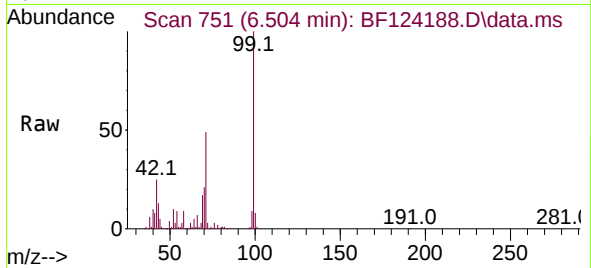




#7
Phenol-d6
Concen: 67.73 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

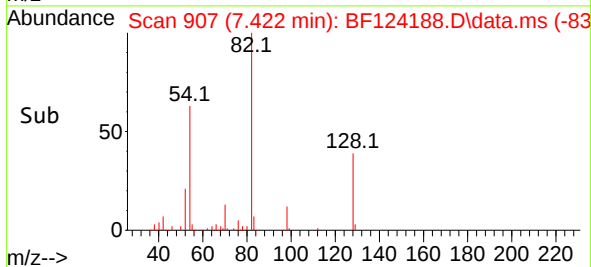
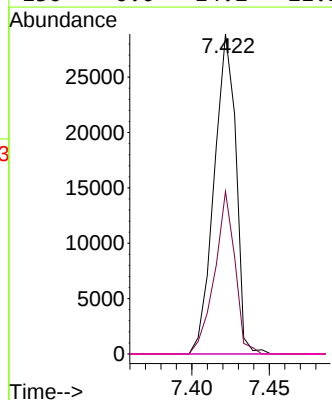
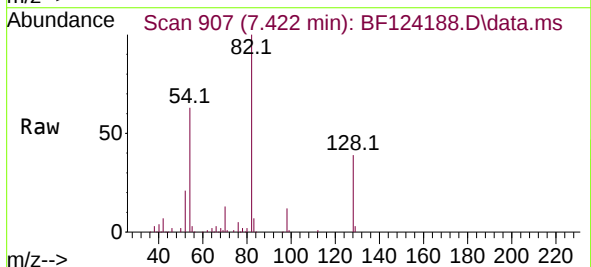
Instrument :
BNA_F
ClientSampleId :
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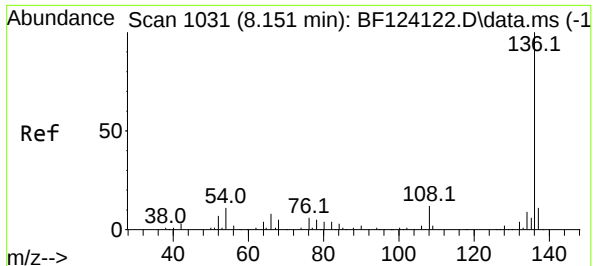
Tgt Ion: 99 Resp: 240727
Ion Ratio Lower Upper
99 100
42 24.8 19.8 29.8
71 49.2 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 11.27 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion: 70 Resp: 28268
Ion Ratio Lower Upper
70 100
42 50.8 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



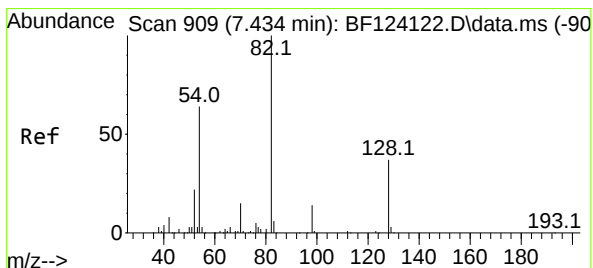
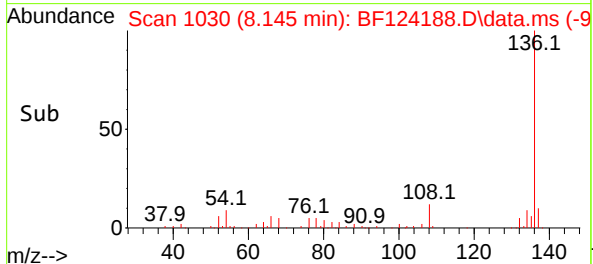
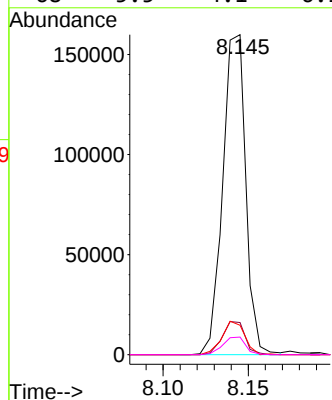
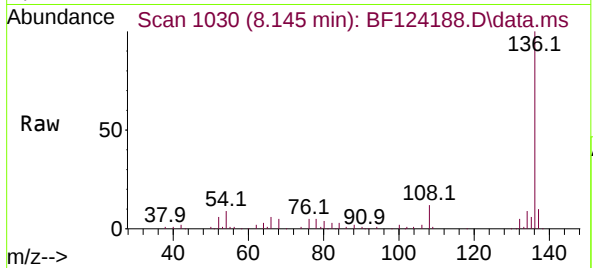


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Instrument :
BNA_F
ClientSampled :
19

Tgt Ion:136 Resp: 150543

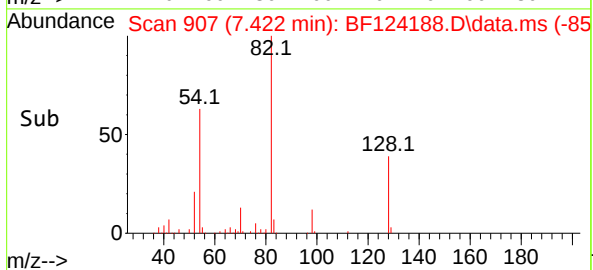
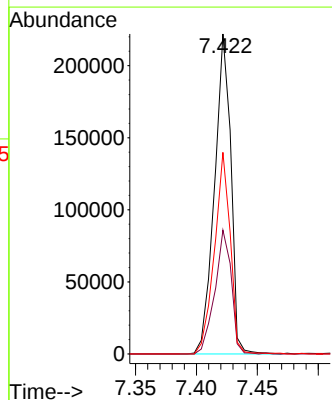
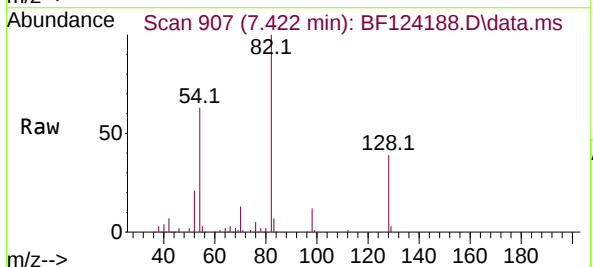
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.7	13.1
54	9.2	9.8	14.6#
68	5.5	4.1	6.1

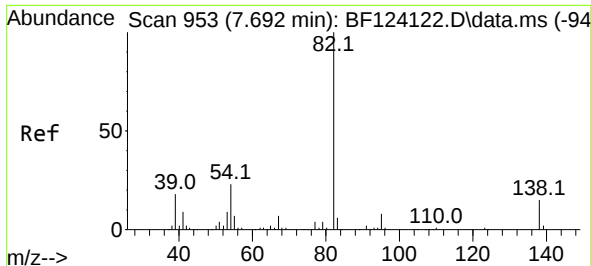


#23
Nitrobenzene-d5
Concen: 54.50 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion: 82 Resp: 206883

Ion	Ratio	Lower	Upper
82	100		
128	38.7	29.4	44.2
54	63.0	54.1	81.1

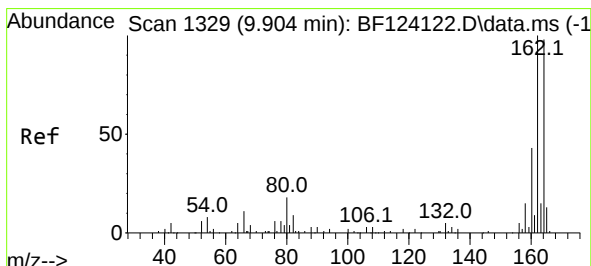
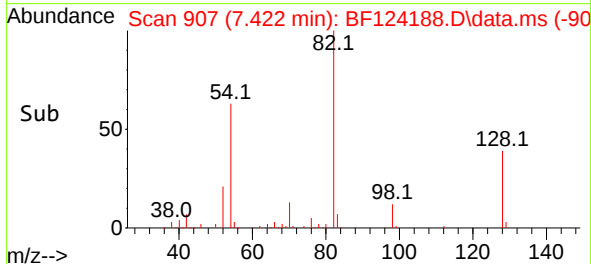
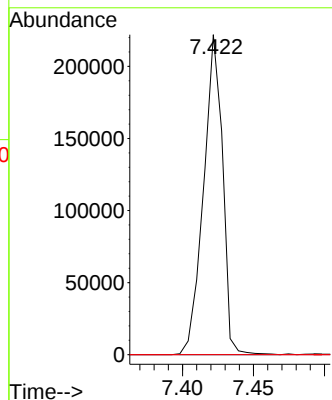
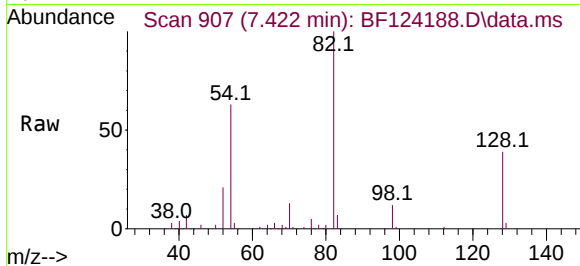




#25
Isophorone
Concen: 30.21 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

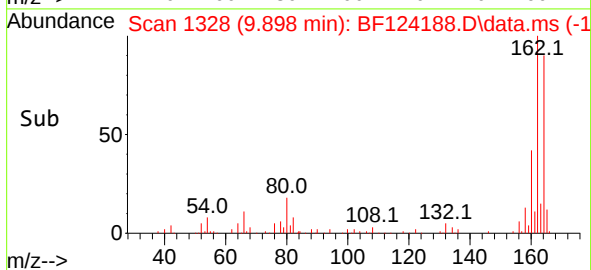
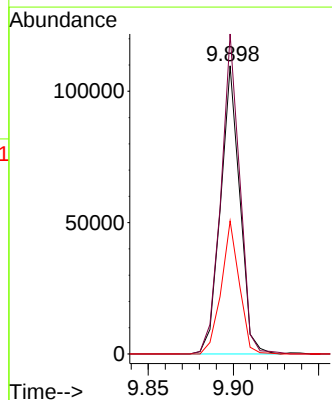
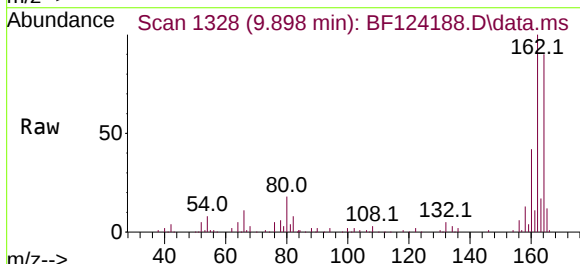
Instrument :
BNA_F
ClientSampleId :
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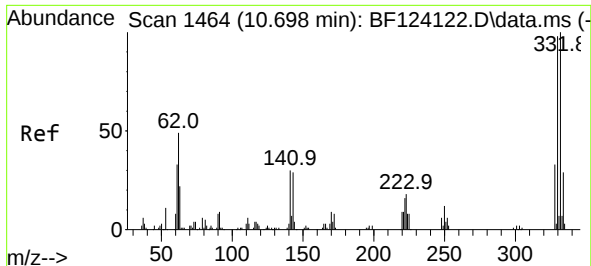
Tgt Ion: 82 Resp: 206630
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion: 164 Resp: 86140
Ion Ratio Lower Upper
164 100
162 111.1 80.7 121.1
160 46.2 37.3 55.9

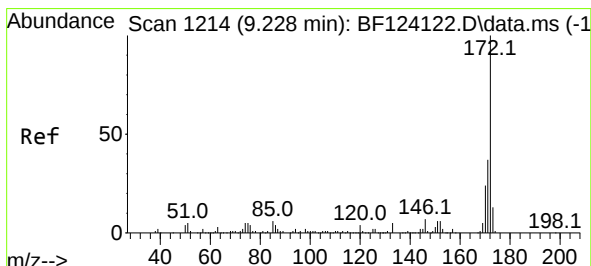
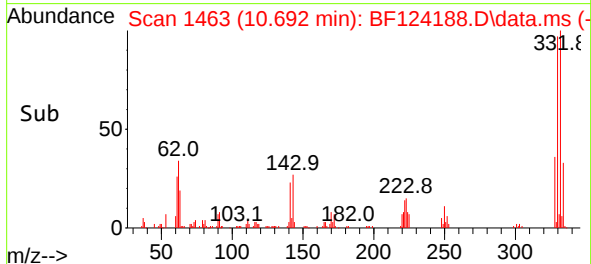
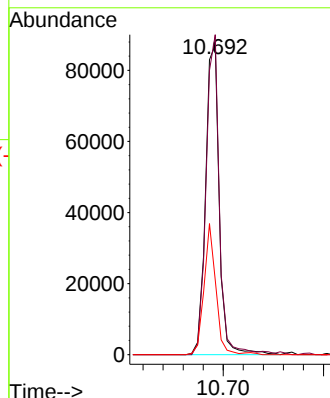
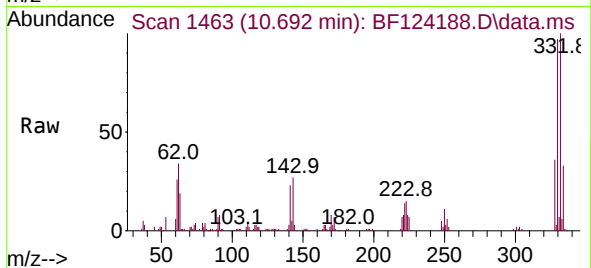




#42
2,4,6-Tribromophenol
Concen: 68.06 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

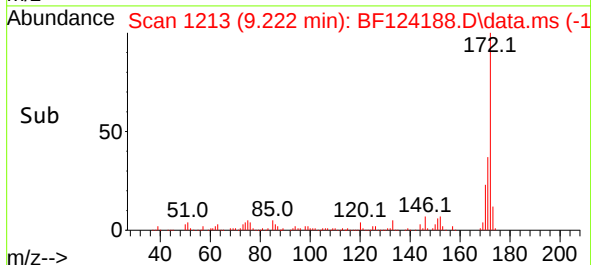
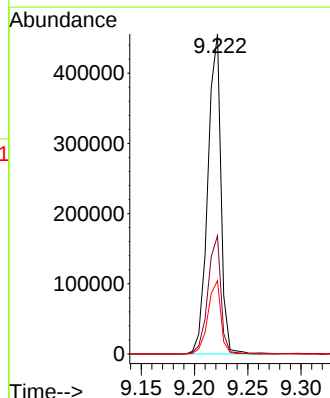
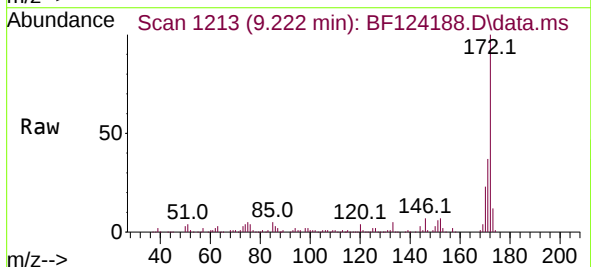
Instrument :
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ClientSampleId :
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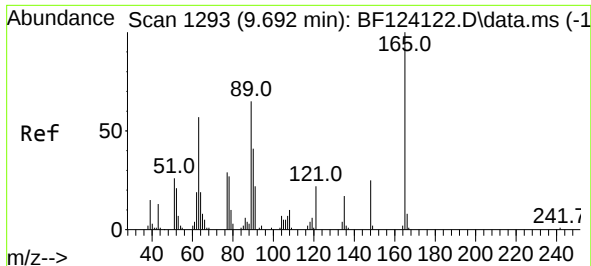
Tgt Ion:	330	Resp:	83065
Ion Ratio	Lower	Upper	
330	100		
332	100.5	77.1	115.7
141	36.7	27.9	41.9



#45
2-Fluorobiphenyl
Concen: 57.23 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:	172	Resp:	391739
Ion Ratio	Lower	Upper	
172	100		
171	37.0	28.1	42.1
170	22.9	19.2	28.8

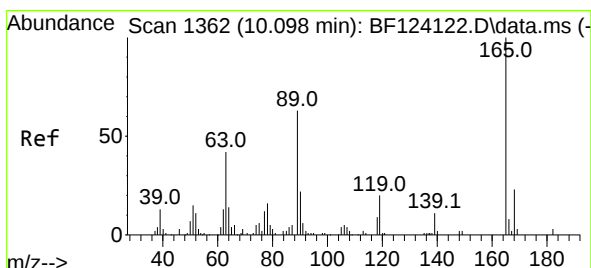
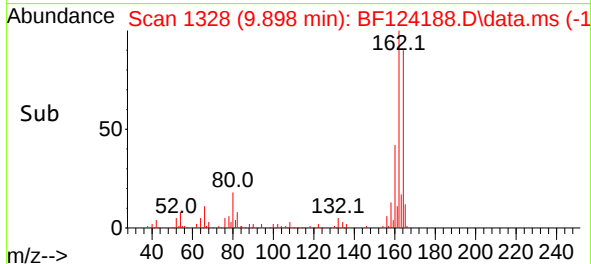
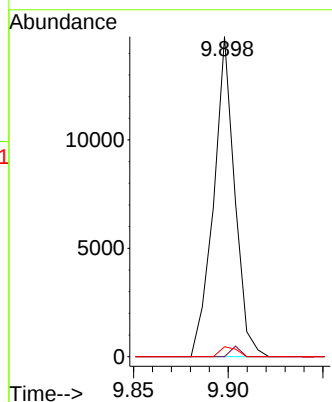
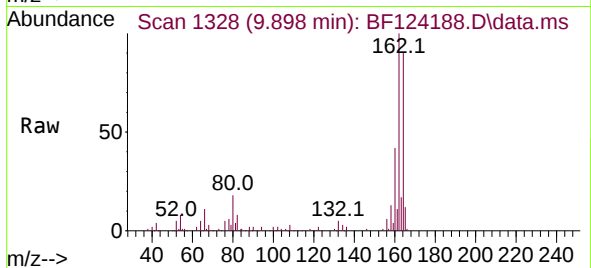




#51
2,6-Dinitrotoluene
Concen: 7.01 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

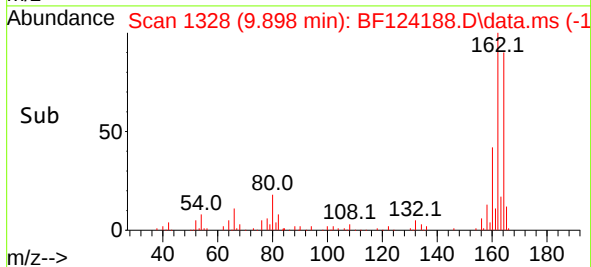
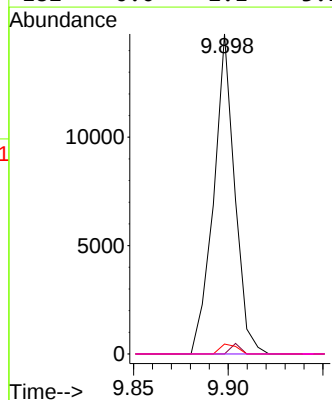
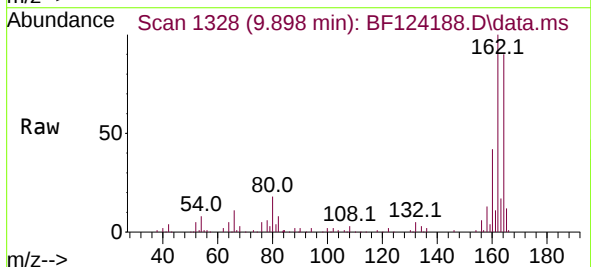
Instrument :
BNA_F
ClientSampled :
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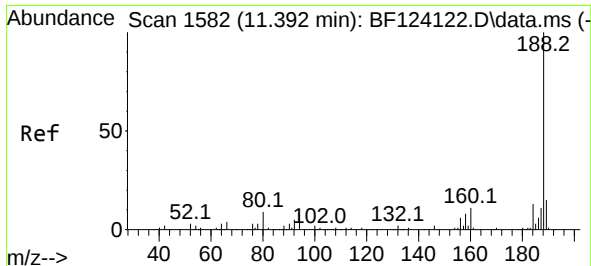
Tgt Ion:165 Resp: 11461
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.1 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.32 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:165 Resp: 11461
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.1 67.7 101.5#
182 0.0 2.1 3.1#

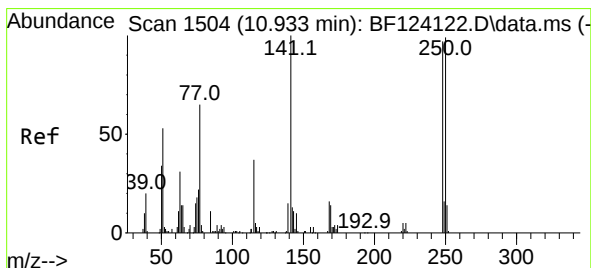
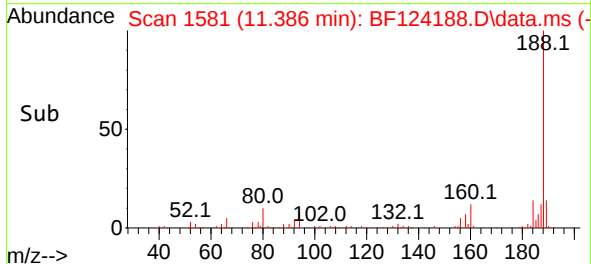
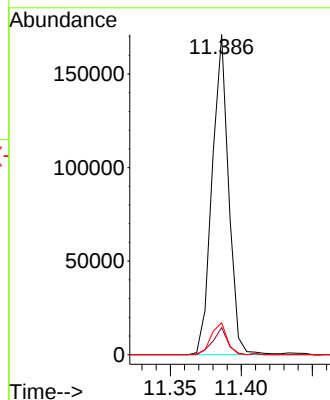
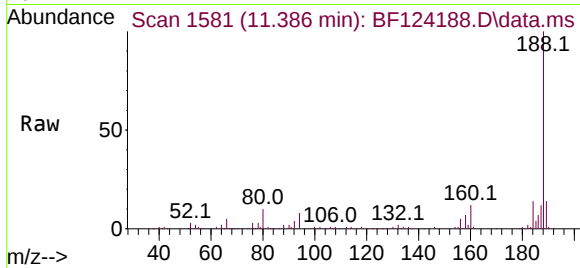




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

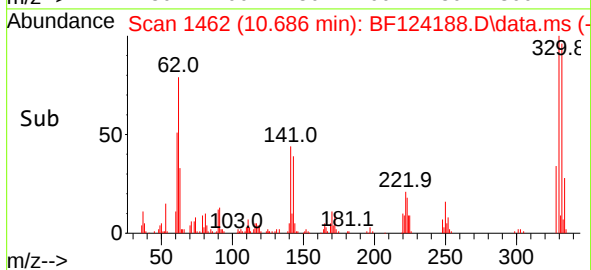
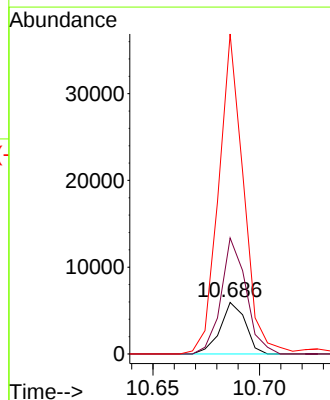
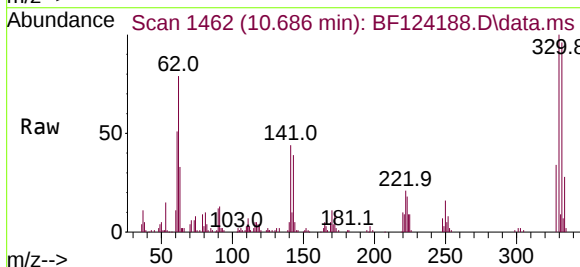
Instrument :
BNA_F
ClientSampled :
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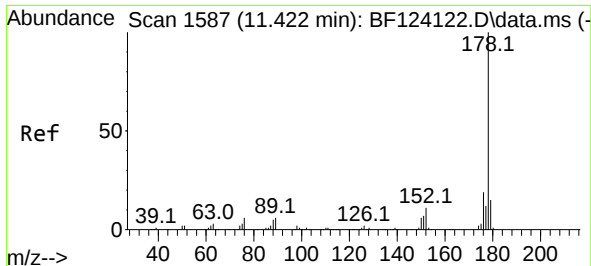
Tgt Ion:188 Resp: 137982
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 10.0 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.58 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:248 Resp: 4878
Ion Ratio Lower Upper
248 100
250 225.1 77.4 116.2#
141 620.8 63.7 95.5#

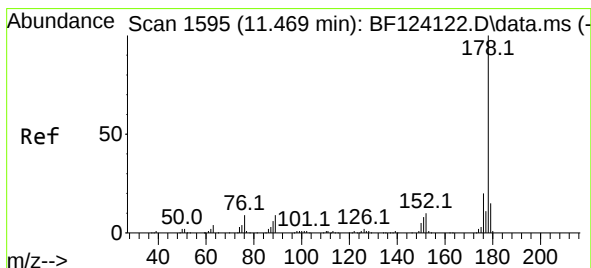
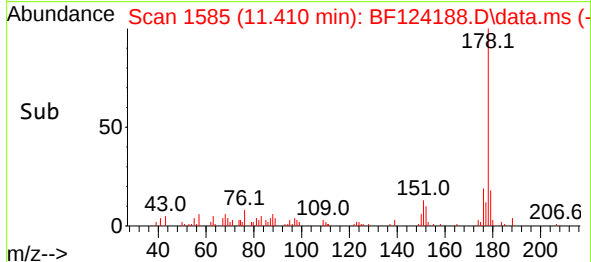
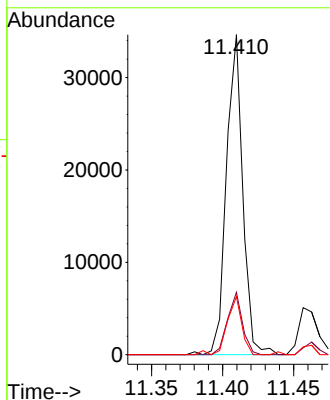
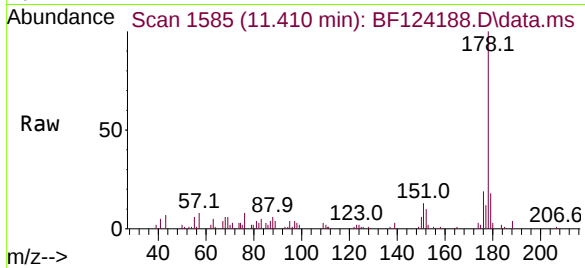




#71
Phenanthrene
Concen: 3.22 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

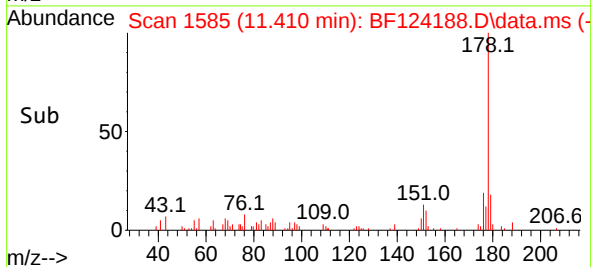
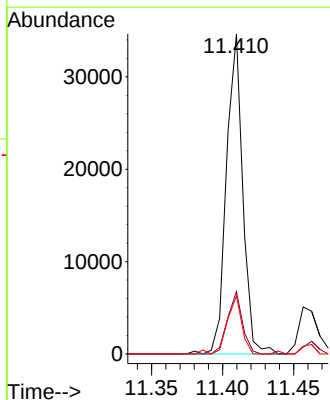
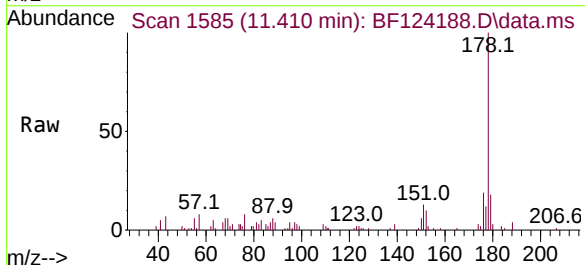
Instrument :
BNA_F
ClientSampleId :
19

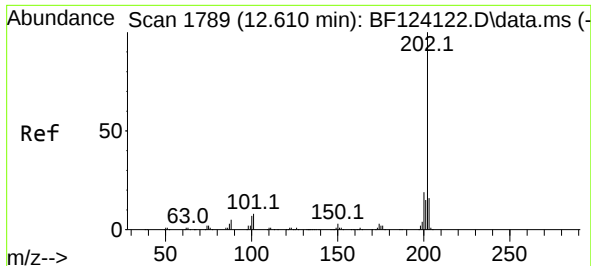
Tgt Ion:178 Resp: 27751
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 18.1 12.5 18.7



#72
Anthracene
Concen: 3.20 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.059 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:178 Resp: 27751
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 18.1 12.6 18.8

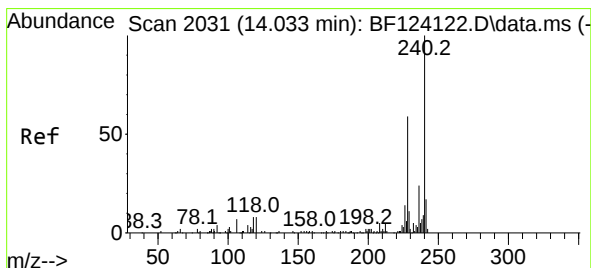
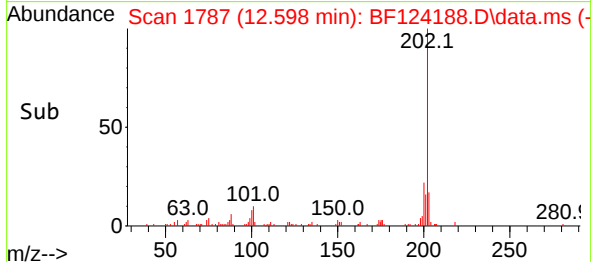
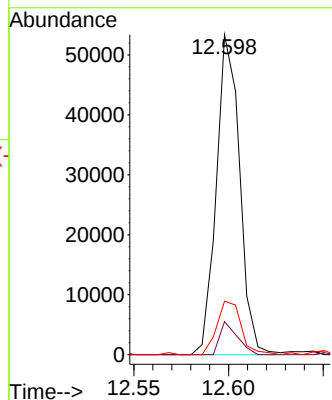
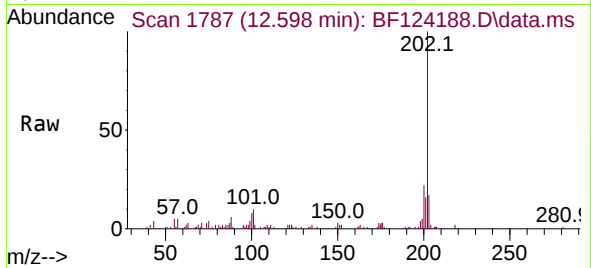




#75
Fluoranthene
Concen: 5.07 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

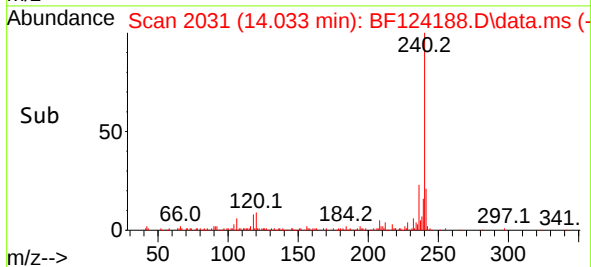
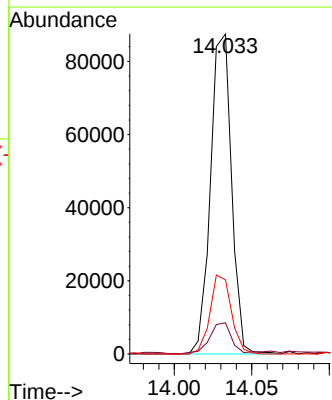
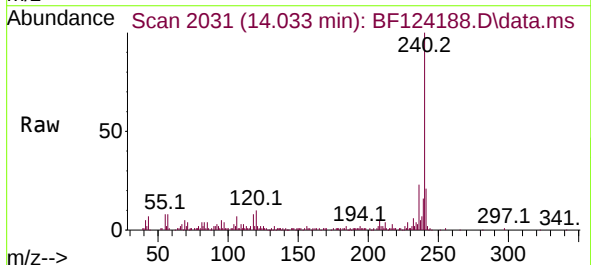
Instrument :
BNA_F
ClientSampleId :
19

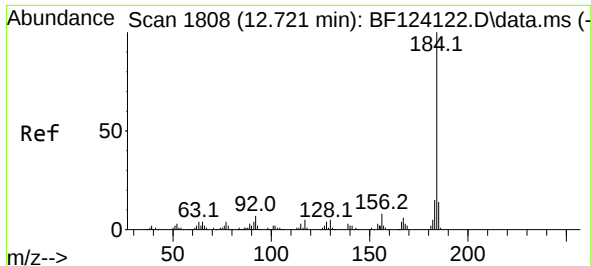
Tgt Ion:202 Resp: 45876
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.9
203 16.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:240 Resp: 82734
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 23.1 19.0 28.4

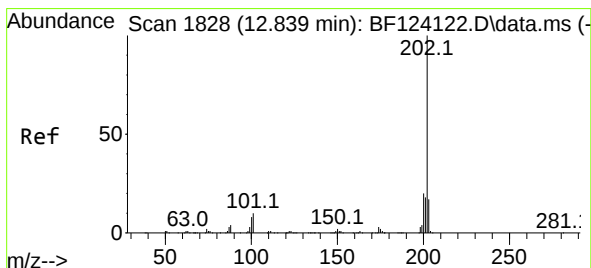
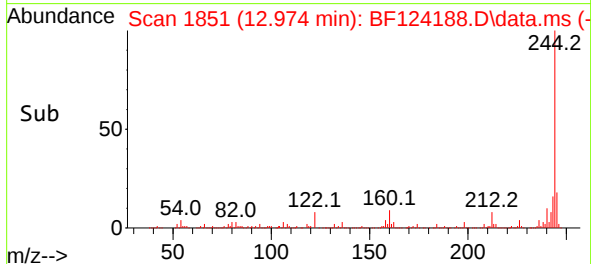
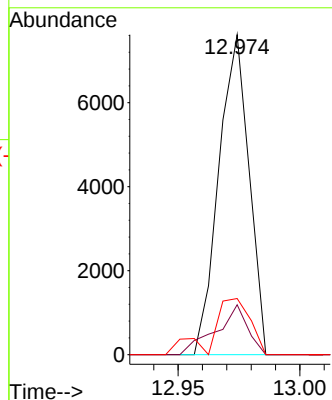
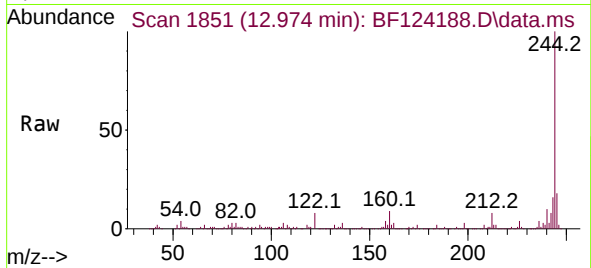




#77
Benzidine
Concen: 7.18 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

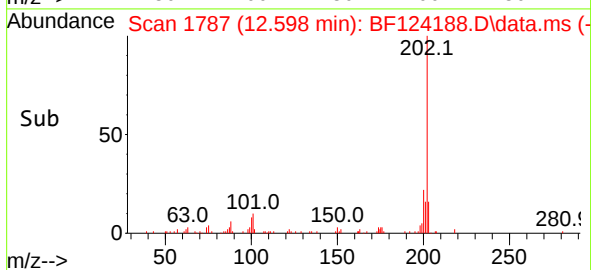
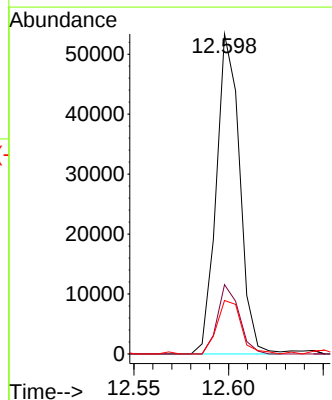
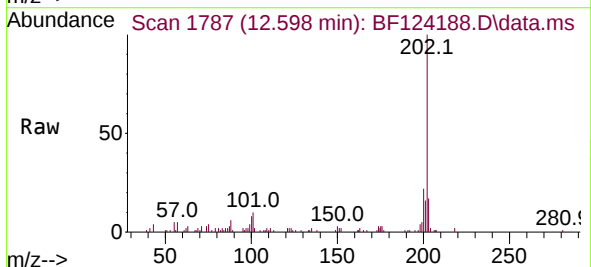
Instrument :
BNA_F
ClientSampled :
19

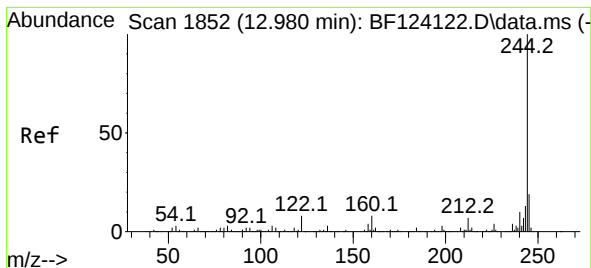
Tgt Ion:184 Resp: 6564
Ion Ratio Lower Upper
184 100
185 15.6 12.1 18.1
183 17.6 7.8 11.8#



#78
Pyrene
Concen: 5.77 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.241 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:202 Resp: 45876
Ion Ratio Lower Upper
202 100
200 21.6 16.1 24.1
203 16.7 14.8 22.2





#79

Terphenyl-d14

Concen: 52.03 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF124188.D

Acq: 8 Jun 2021 19:37

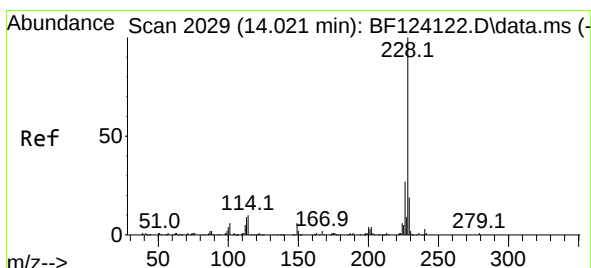
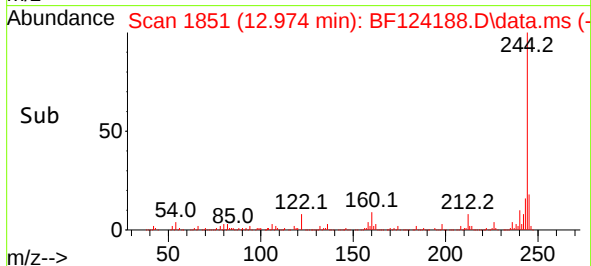
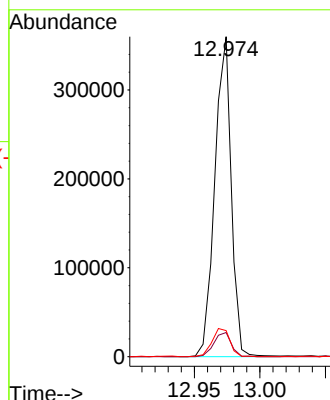
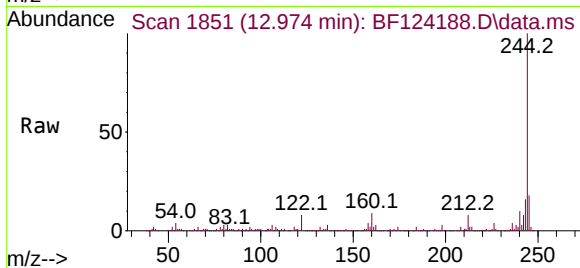
Tgt Ion:244 Resp: 313522

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 8.2 9.7 14.5#



#81

Benzo(a)anthracene

Concen: 3.96 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.035 min

Lab File: BF124188.D

Acq: 8 Jun 2021 19:37

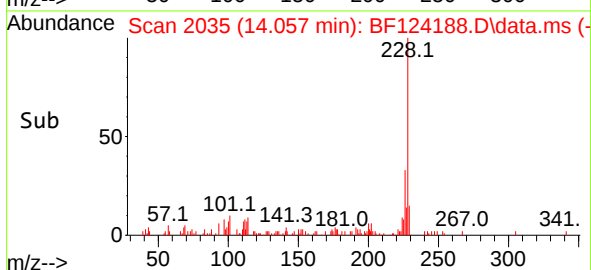
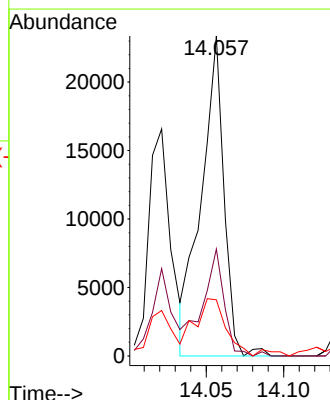
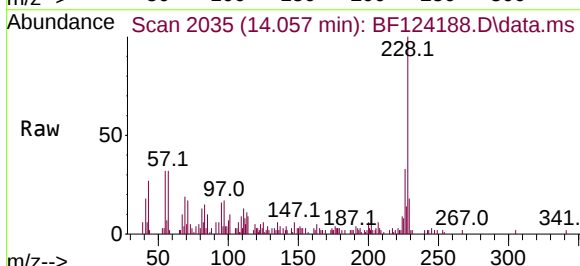
Tgt Ion:228 Resp: 23885

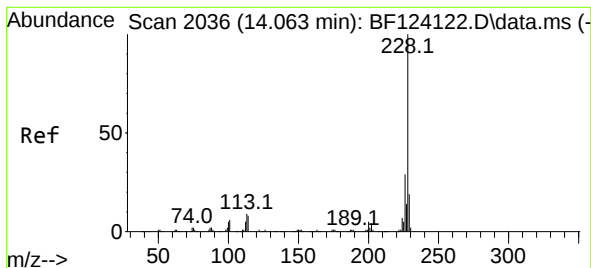
Ion Ratio Lower Upper

228 100

226 33.4 22.4 33.6

229 17.6 16.0 24.0





#83

Chrysene

Concen: 4.11 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF124188.D

Acq: 8 Jun 2021 19:37

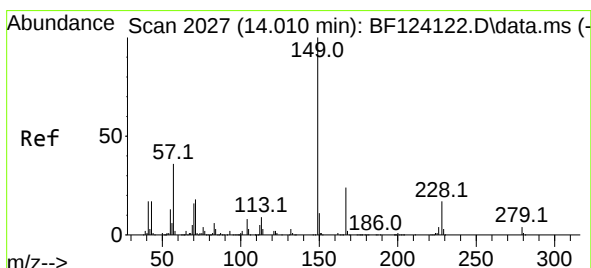
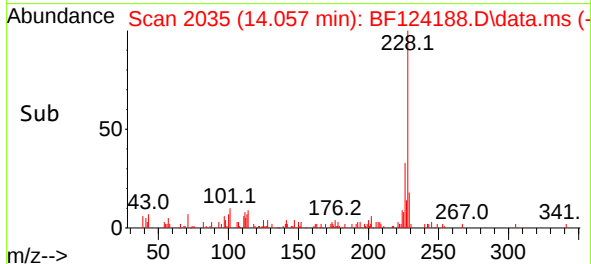
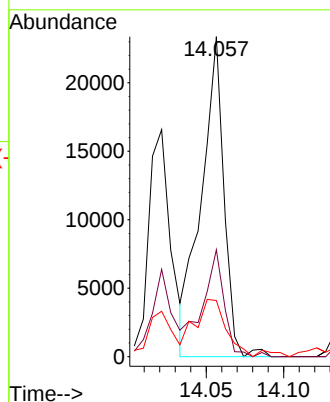
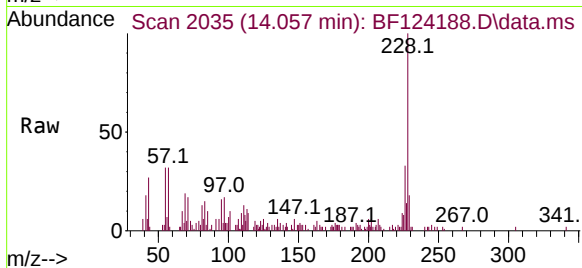
Tgt Ion:228	Resp:	23885
Ion Ratio	Lower	Upper
228	100	
226	33.4	24.3 36.5
229	17.6	16.2 24.2

Instrument :

BNA_F

ClientSampleId :

19



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.40 ng

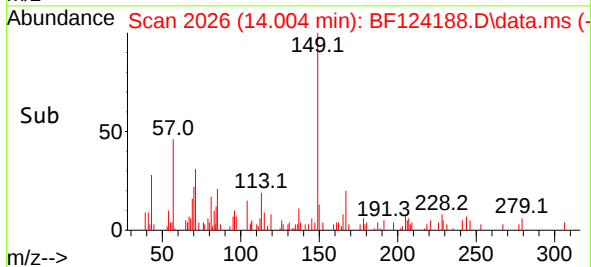
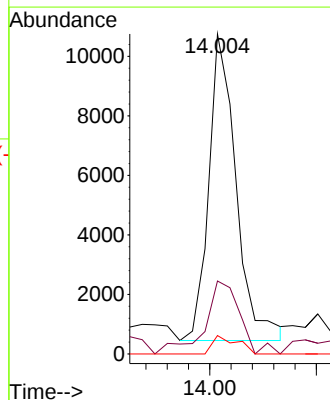
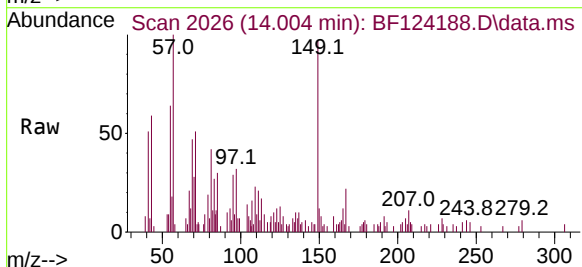
RT: 14.004 min Scan# 2026

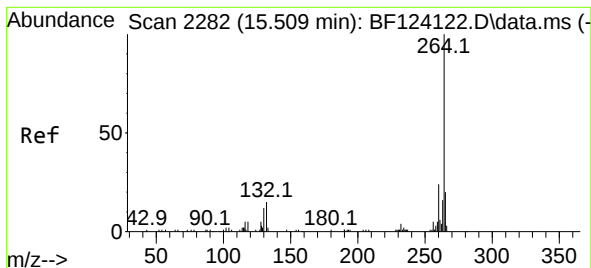
Delta R.T. -0.006 min

Lab File: BF124188.D

Acq: 8 Jun 2021 19:37

Tgt Ion:149	Resp:	9197
Ion Ratio	Lower	Upper
149	100	
167	22.8	21.8 32.6
279	5.8	3.3 4.9#

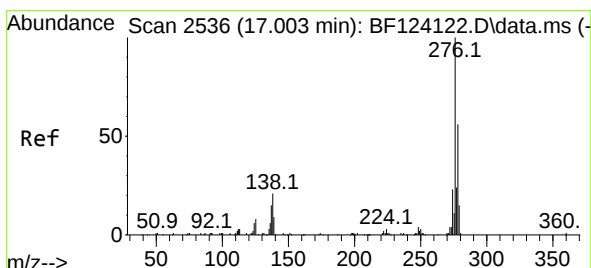
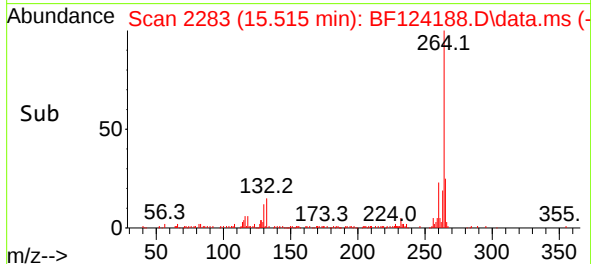
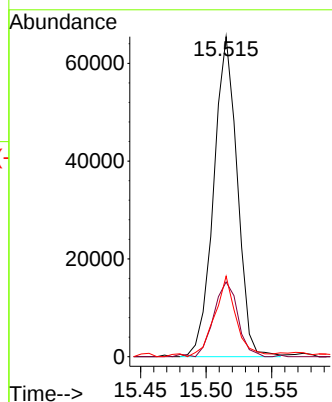
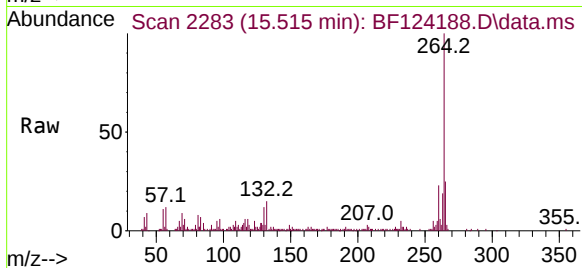




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

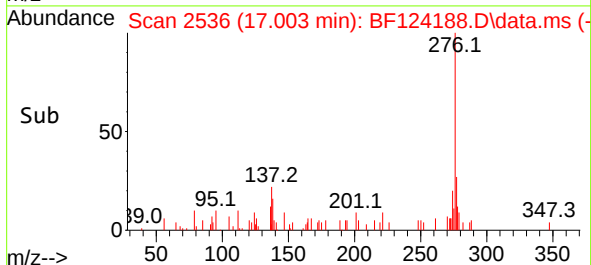
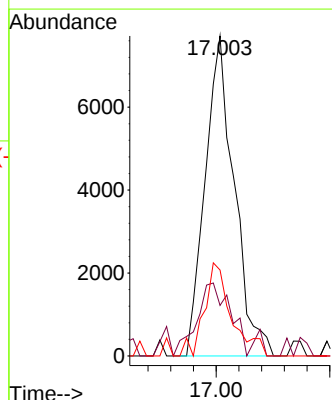
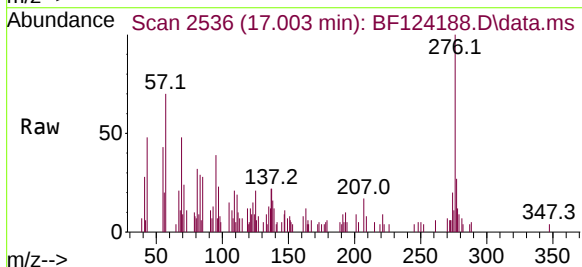
Instrument :
BNA_F
ClientSampleId :
19

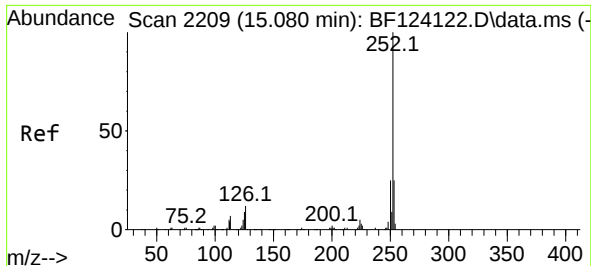
Tgt Ion:264 Resp: 81768
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 25.2 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.17 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:276 Resp: 13721
Ion Ratio Lower Upper
276 100
138 27.3 16.2 24.2#
277 27.1 20.1 30.1

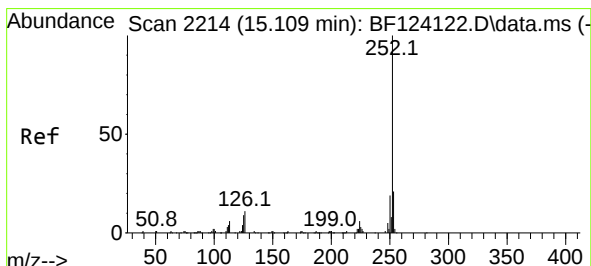
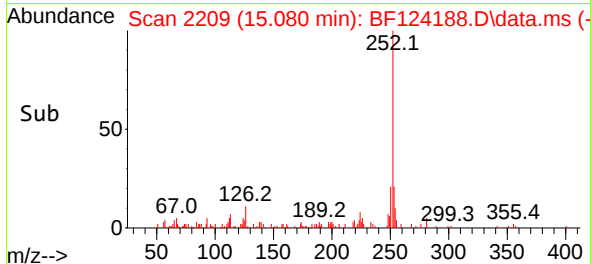
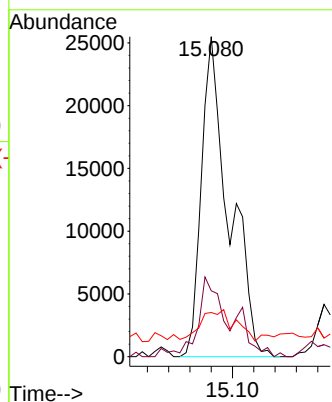
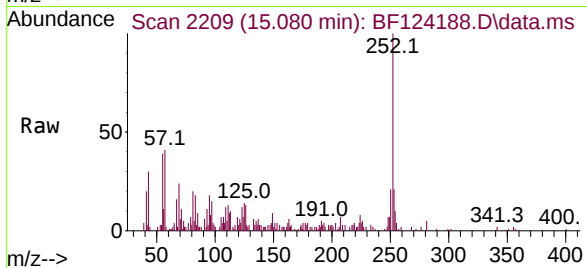




#88
Benzo(b)fluoranthene
Concen: 7.23 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

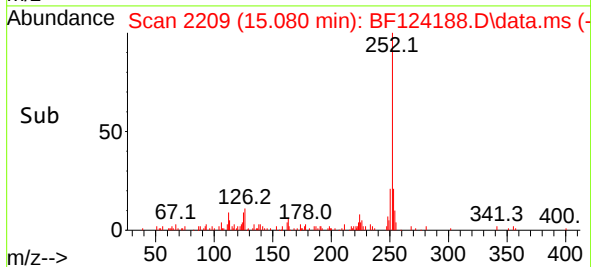
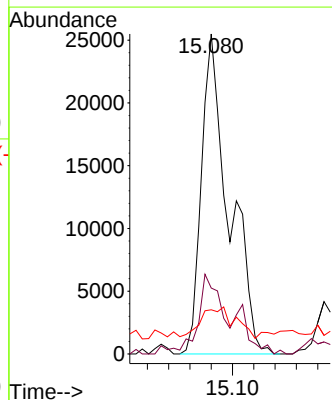
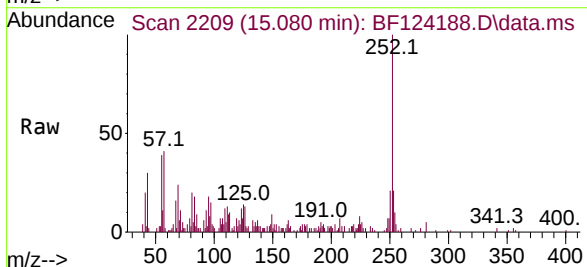
Instrument :
BNA_F
ClientSampled :
19

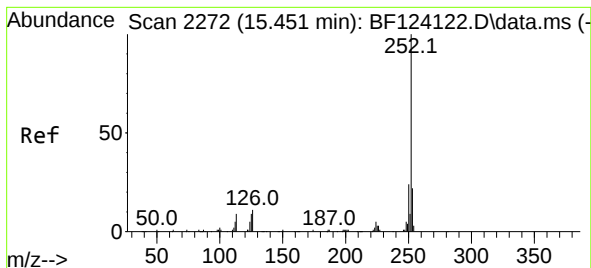
Tgt Ion:252 Resp: 45900
Ion Ratio Lower Upper
252 100
253 20.6 18.1 27.1
125 13.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 7.63 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Tgt Ion:252 Resp: 45900
Ion Ratio Lower Upper
252 100
253 20.6 17.9 26.9
125 13.8 7.0 10.6#

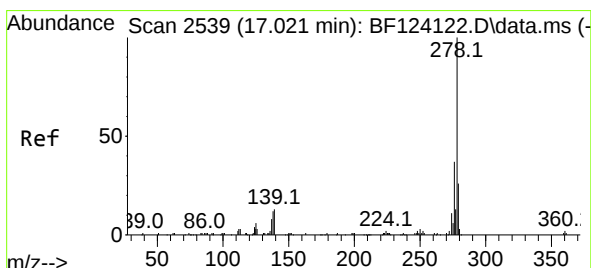
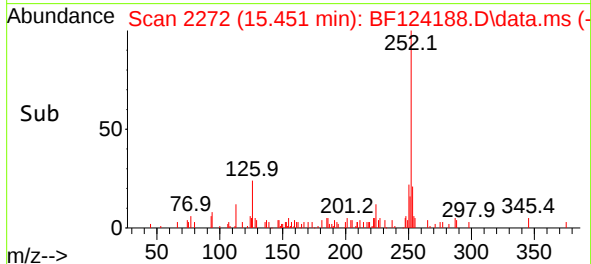
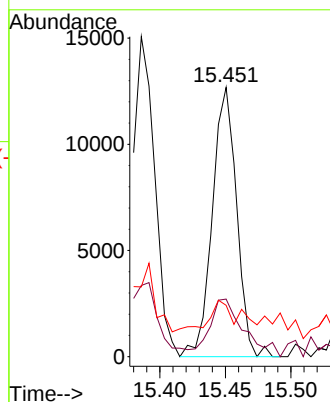
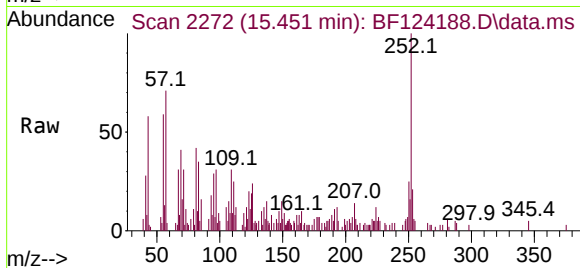




#90
Benzo(a)pyrene
Concen: 2.96 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

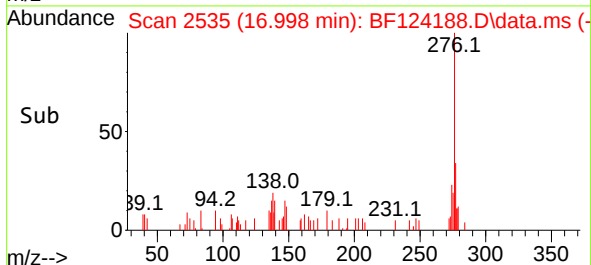
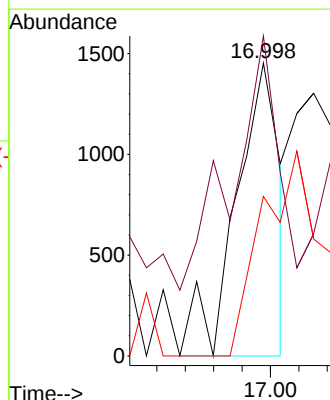
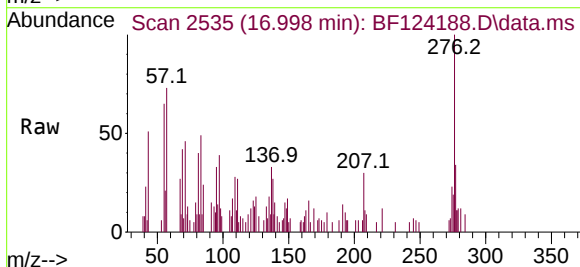
Instrument :
BNA_F
ClientSampleId :
19

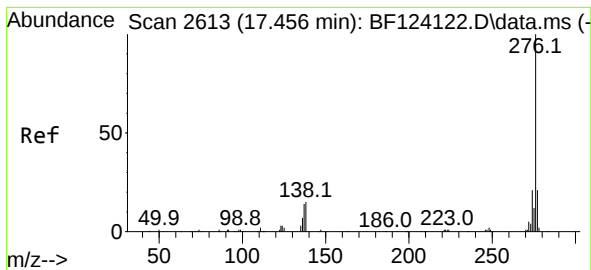
Tgt Ion:252	Resp:	16346
Ion Ratio	Lower	Upper
252	100	
253	21.4	18.4 27.6
125	19.1	8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.42 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.023 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

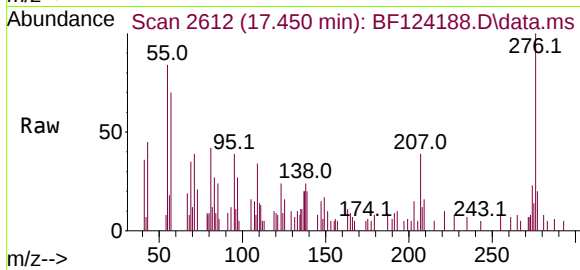
Tgt Ion:278	Resp:	1573
Ion Ratio	Lower	Upper
278	100	
139	109.2	10.2 15.2#
279	54.4	19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 5.92 ng
RT: 17.450 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF124188.D
Acq: 8 Jun 2021 19:37

Instrument :
BNA_F
ClientSampleId :
19



Tgt Ion:276 Resp: 13132
Ion Ratio Lower Upper
276 100
277 20.3 18.2 27.2
138 24.2 13.8 20.6#

