

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062821\
 Data File : BF124486.D
 Acq On : 29 Jun 2021 00:52
 Operator : JU/CG
 Sample : M2857-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

Quant Time: Jun 29 05:13:47 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 28 16:01:42 2021
 Response via : Initial Calibration

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

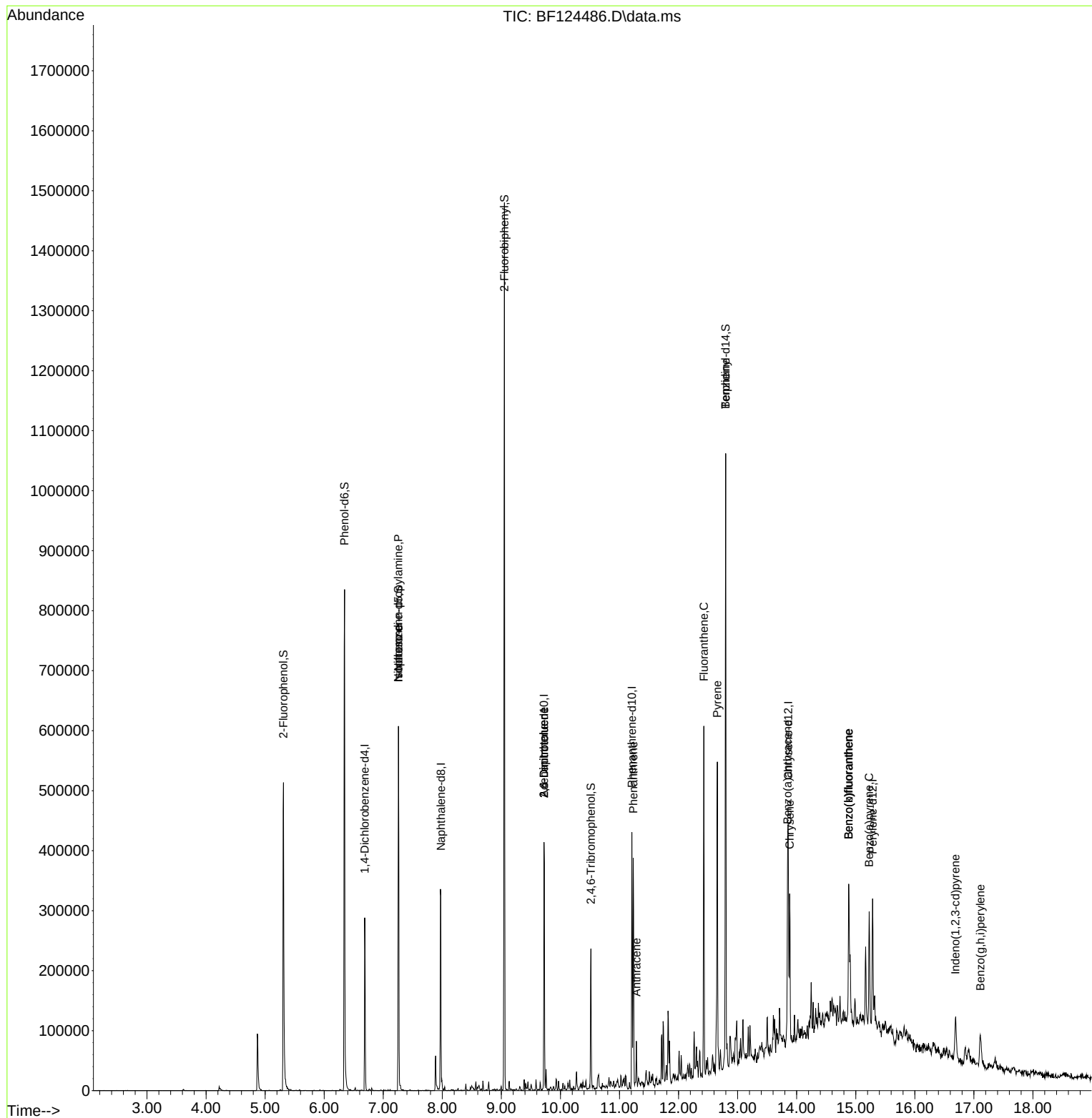
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.686	152	39122	20.00	ng	-0.02
21) Naphthalene-d8	7.975	136	140656	20.00	ng	#-0.01
39) Acenaphthene-d10	9.722	164	81354	20.00	ng	-0.02
64) Phenanthrene-d10	11.210	188	127611	20.00	ng	#-0.02
76) Chrysene-d12	13.857	240	84980	20.00	ng	-0.01
86) Perylene-d12	15.286	264	86080	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	141902	57.04	ng	-0.02
7) Phenol-d6	6.345	99	249477	76.81	ng	-0.02
23) Nitrobenzene-d5	7.257	82	184116	54.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.516	330	22529	23.18	ng	-0.02
45) 2-Fluorobiphenyl	9.051	172	377423	56.83	ng	-0.02
79) Terphenyl-d14	12.798	244	291939	51.45	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.257	70	26786	12.26	ng	# 65
25) Isophorone	7.257	82	184113	31.57	ng	# 69
51) 2,6-Dinitrotoluene	9.722	165	10308	6.96	ng	# 14
57) 2,4-Dinitrotoluene	9.722	165	10308	5.25	ng	# 20
71) Phenanthrene	11.233	178	132746	16.50	ng	98
72) Anthracene	11.286	178	23969	2.99	ng	97
75) Fluoranthene	12.427	202	194635	24.04	ng	97
77) Benzidine	12.798	184	5007	2.94	ng	# 89
78) Pyrene	12.657	202	194681	25.10	ng	98
81) Benzo(a)anthracene	13.845	228	94878	15.49	ng	95
83) Chrysene	13.880	228	85464	14.08	ng	98
87) Indeno(1,2,3-cd)pyrene	16.686	276	39341	5.80	ng	# 92
88) Benzo(b)fluoranthene	14.880	252	141396	21.68	ng	# 98
89) Benzo(k)fluoranthene	14.880	252	141396	23.69	ng	99
90) Benzo(a)pyrene	15.227	252	75156	12.97	ng	97
92) Benzo(g,h,i)perylene	17.109	276	37478	6.51	ng	# 88

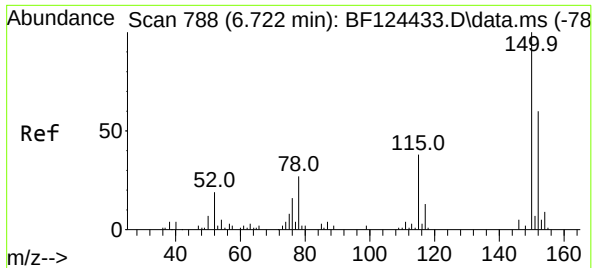
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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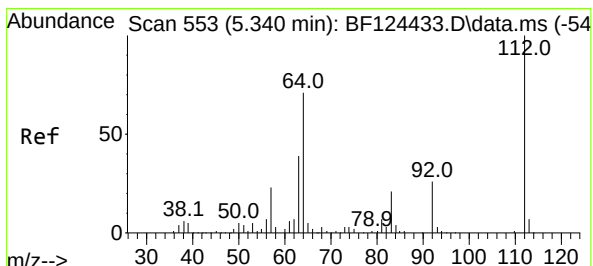
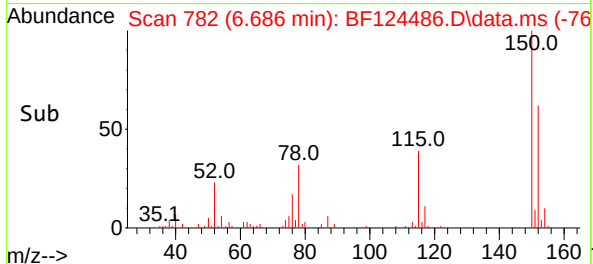
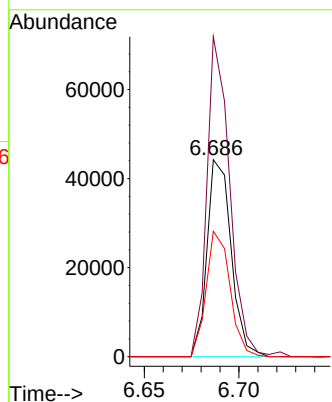
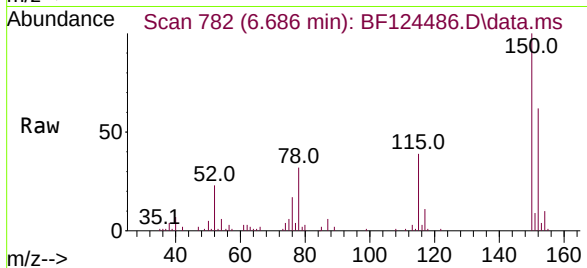




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.686 min Scan# 782
 Delta R.T. -0.018 min
 Lab File: BF124486.D
 Acq: 29 Jun 2021 00:52

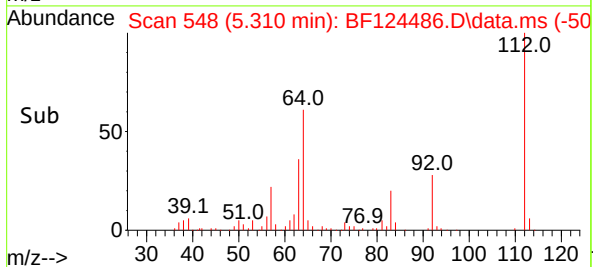
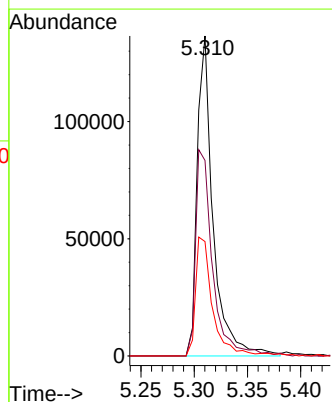
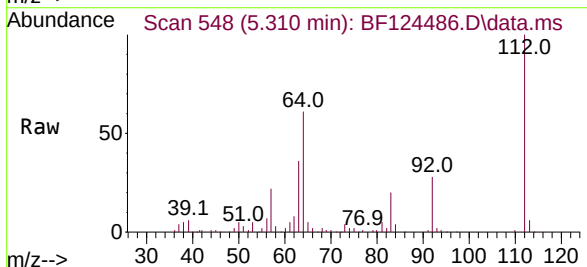
Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

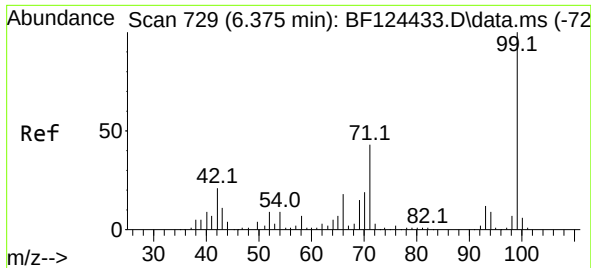
Tgt Ion:152 Resp: 39122
 Ion Ratio Lower Upper
 152 100
 150 162.5 127.0 190.6
 115 63.7 54.3 81.5



#5
 2-Fluorophenol
 Concen: 57.04 ng
 RT: 5.310 min Scan# 548
 Delta R.T. -0.018 min
 Lab File: BF124486.D
 Acq: 29 Jun 2021 00:52

Tgt Ion:112 Resp: 141902
 Ion Ratio Lower Upper
 112 100
 64 61.1 61.4 92.0#
 63 35.7 33.0 49.4

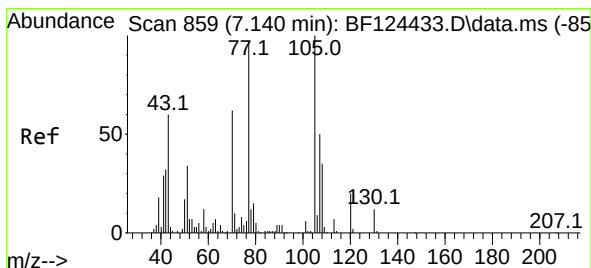
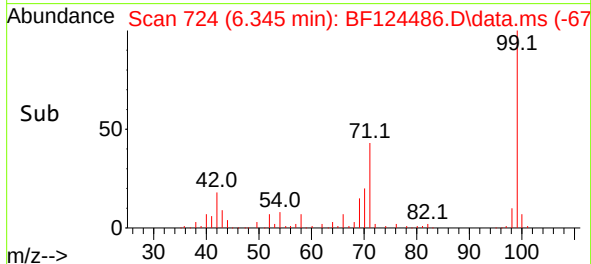
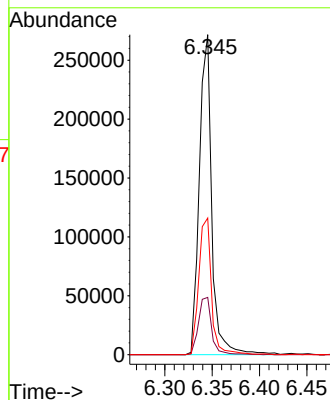
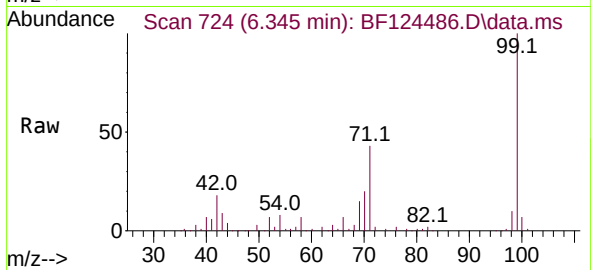




#7
Phenol-d6
Concen: 76.81 ng
RT: 6.345 min Scan# 724
Delta R.T. -0.018 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

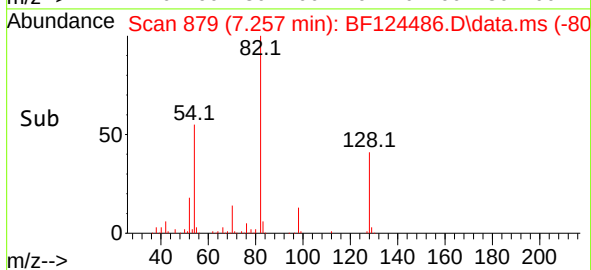
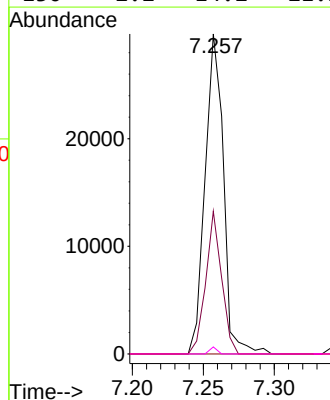
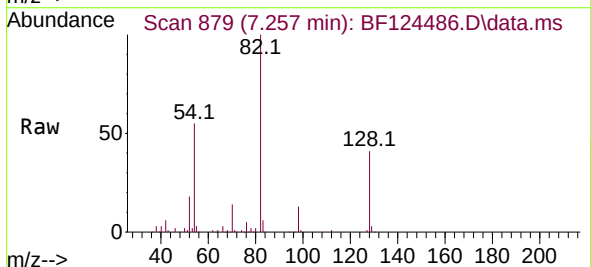
Instrument :
BNA_F
ClientSampled :
SB-15-COMP

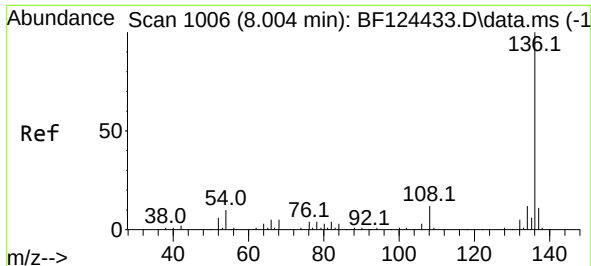
Tgt Ion: 99 Resp: 249477
Ion Ratio Lower Upper
99 100
42 17.9 19.8 29.8#
71 42.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.26 ng
RT: 7.257 min Scan# 879
Delta R.T. 0.129 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

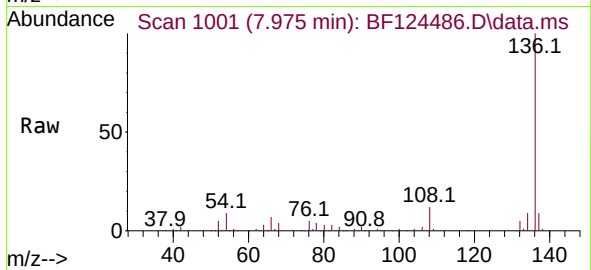
Tgt Ion: 70 Resp: 26786
Ion Ratio Lower Upper
70 100
42 44.6 60.1 90.1#
101 0.0 7.4 11.2#
130 2.2 14.2 21.2#



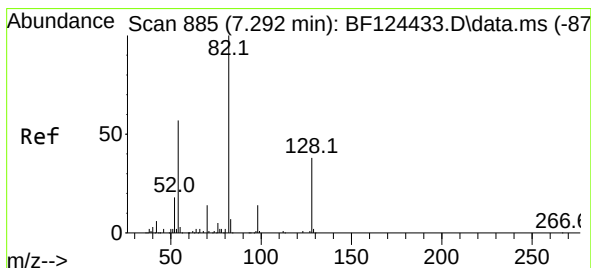
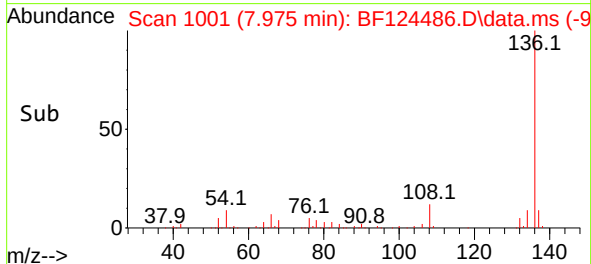
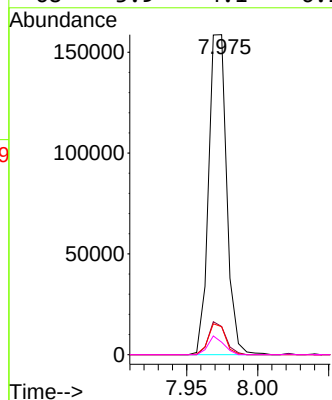


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.975 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

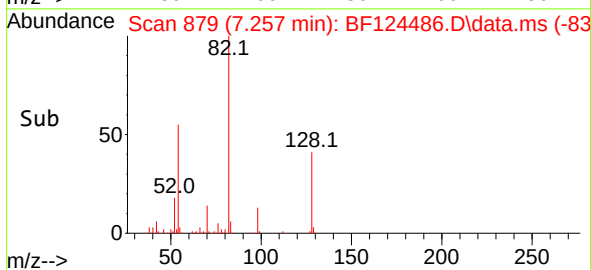
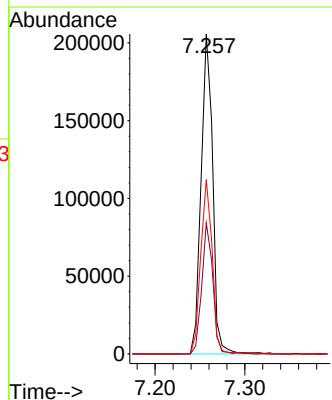
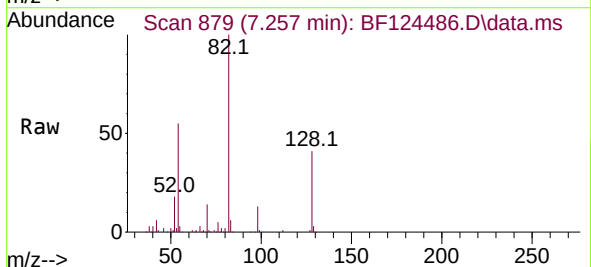


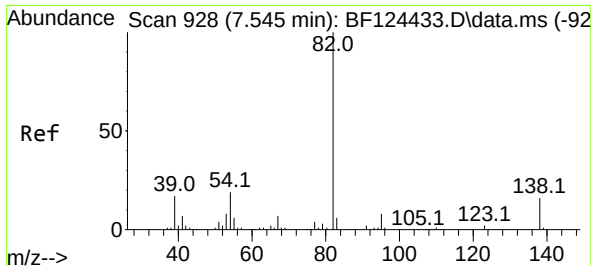
Tgt Ion:136 Resp: 140656
Ion Ratio Lower Upper
136 100
137 8.8 8.7 13.1
54 8.7 9.8 14.6#
68 3.9 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 54.27 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.024 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion: 82 Resp: 184116
Ion Ratio Lower Upper
82 100
128 40.9 29.4 44.2
54 54.5 54.1 81.1

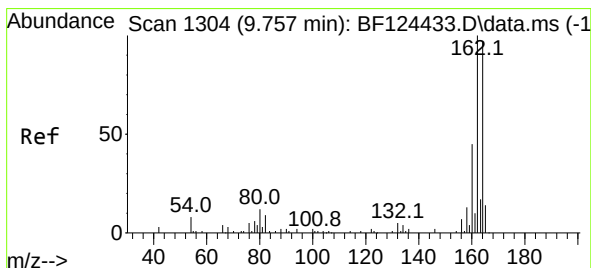
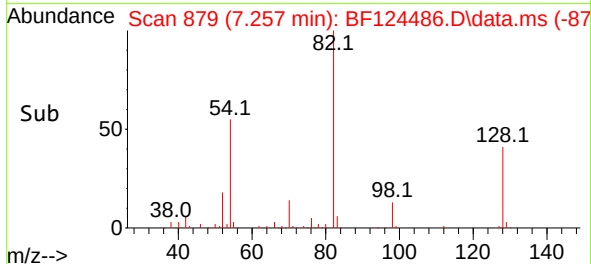
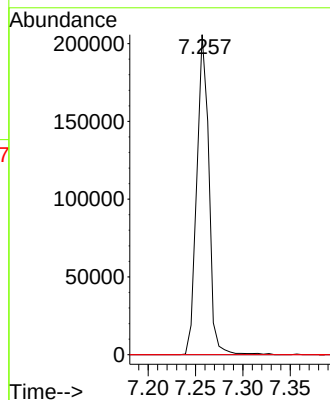
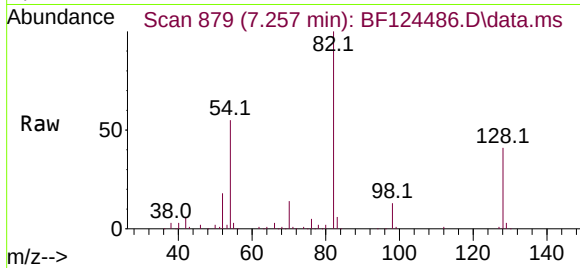




#25
Isophorone
Concen: 31.57 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.276 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

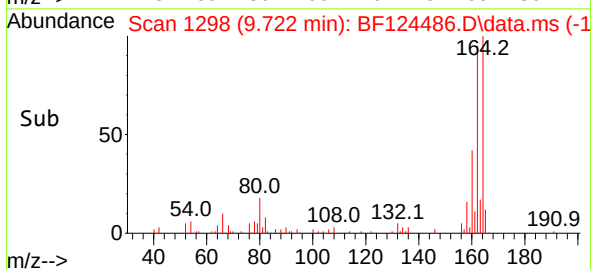
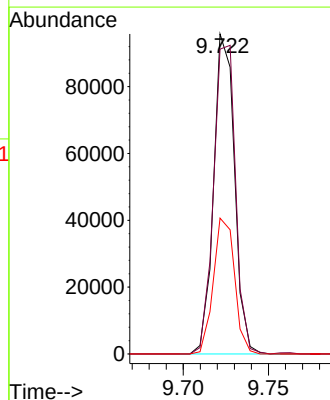
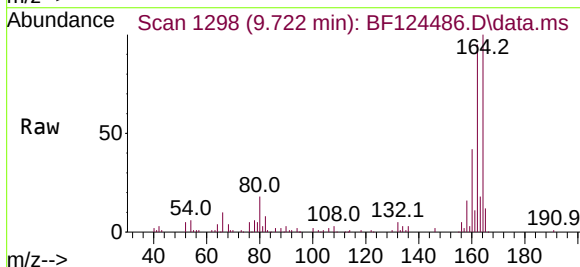
Instrument :
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ClientSampleId :
SB-15-COMP

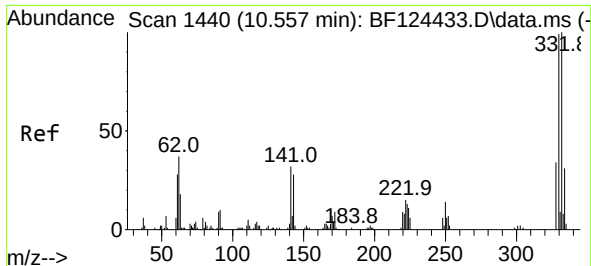
Tgt Ion: 82 Resp: 184113
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.018 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion: 164 Resp: 81354
Ion Ratio Lower Upper
164 100
162 95.3 80.7 121.1
160 42.5 37.3 55.9

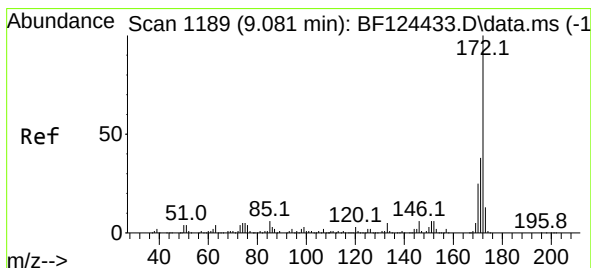
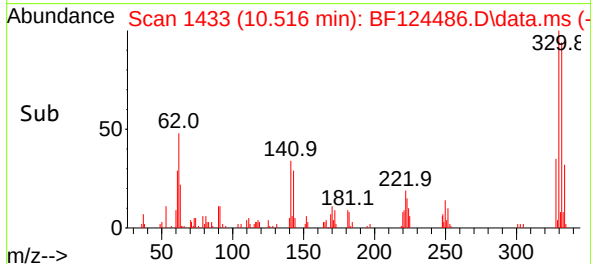
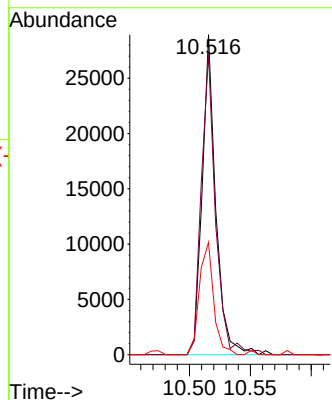
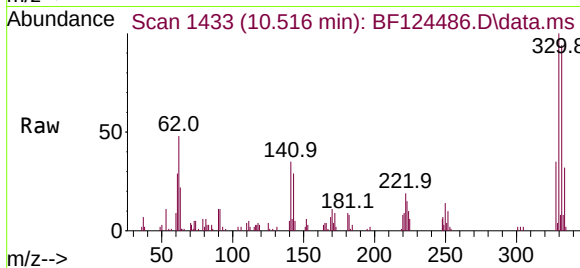




#42
2,4,6-Tribromophenol
Concen: 23.18 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.018 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

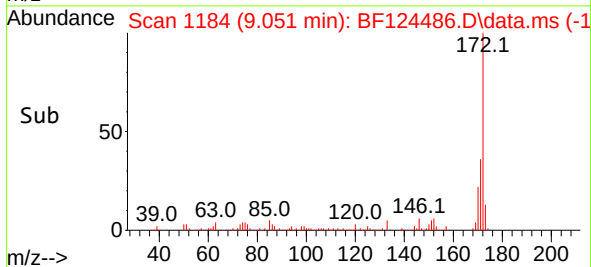
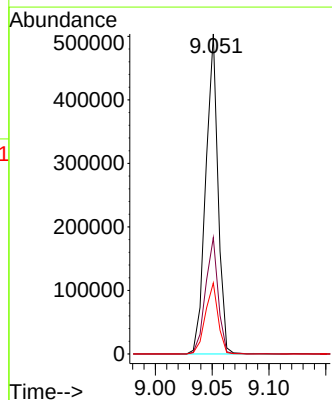
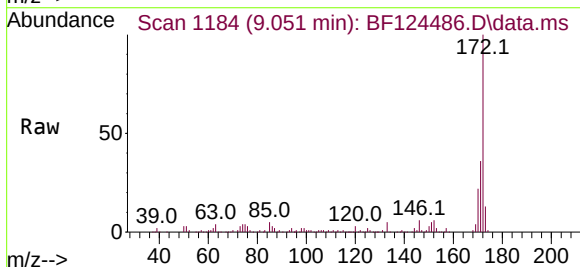
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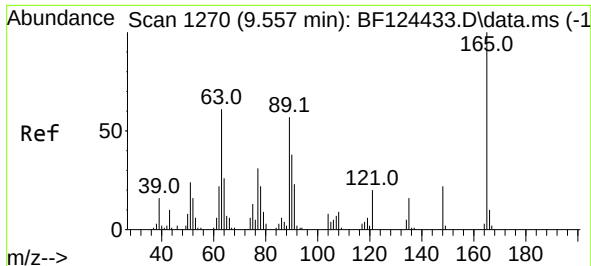
Tgt Ion: 330 Resp: 22529
Ion Ratio Lower Upper
330 100
332 98.4 77.1 115.7
141 36.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 56.83 ng
RT: 9.051 min Scan# 1184
Delta R.T. -0.018 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion: 172 Resp: 377423
Ion Ratio Lower Upper
172 100
171 36.4 28.1 42.1
170 22.2 19.2 28.8

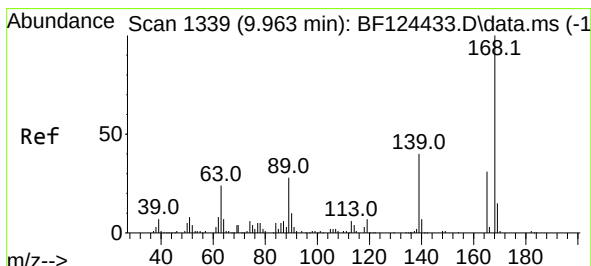
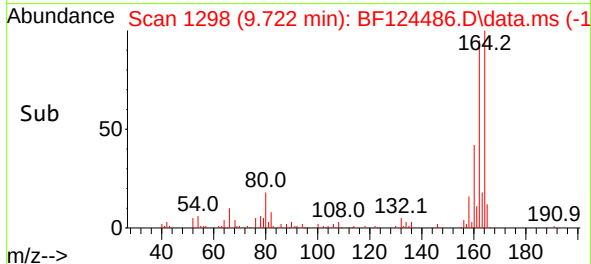
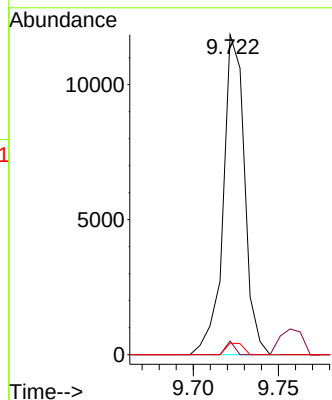
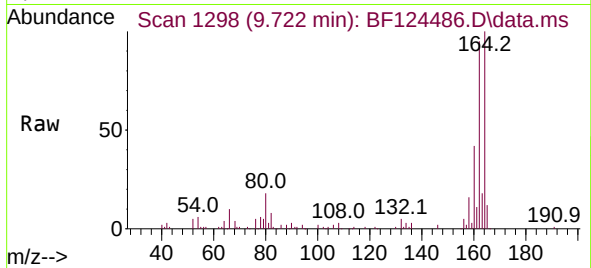




#51
2,6-Dinitrotoluene
Concen: 6.96 ng
RT: 9.722 min Scan# 1298
Delta R.T. 0.182 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

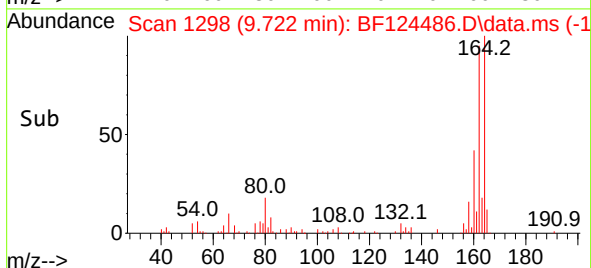
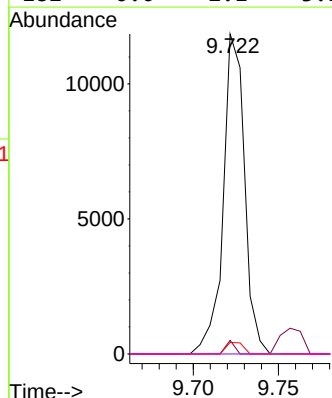
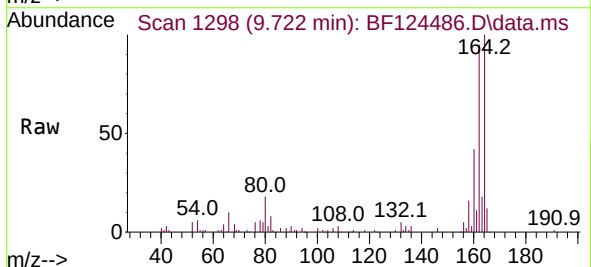
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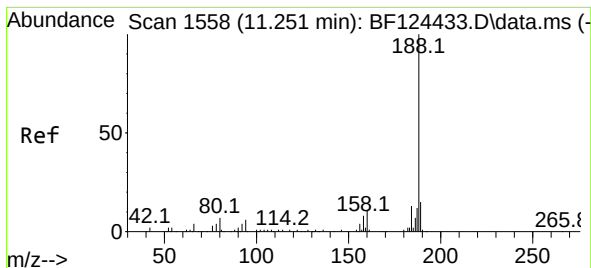
Tgt Ion:165 Resp: 10308
Ion Ratio Lower Upper
165 100
63 4.2 67.7 101.5#
89 3.6 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.25 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.224 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion:165 Resp: 10308
Ion Ratio Lower Upper
165 100
63 4.2 43.5 65.3#
89 3.6 67.7 101.5#
182 0.0 2.1 3.1#

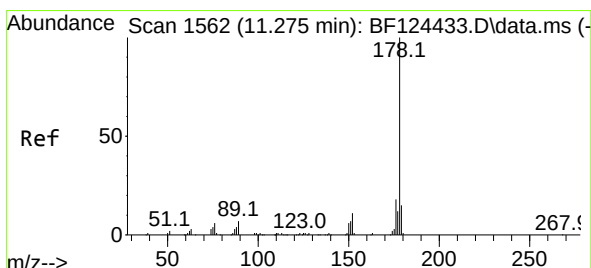
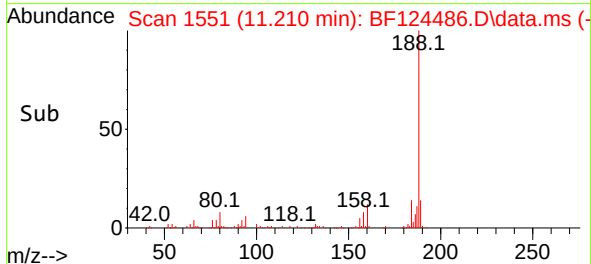
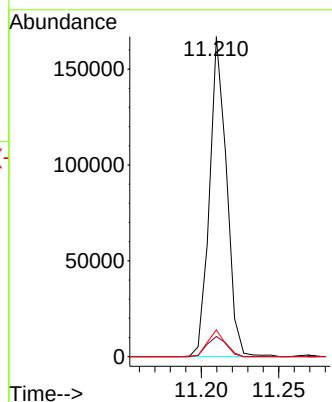
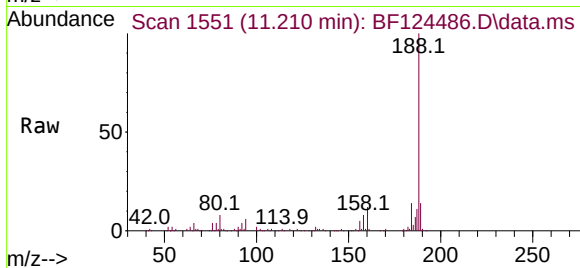




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.210 min Scan# 1551
Delta R.T. -0.018 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

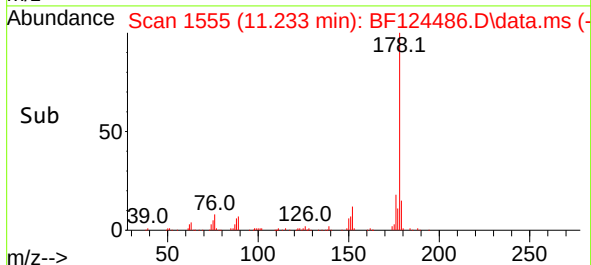
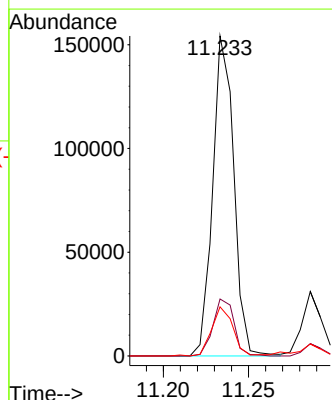
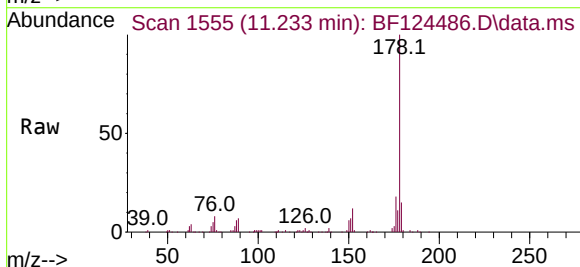
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

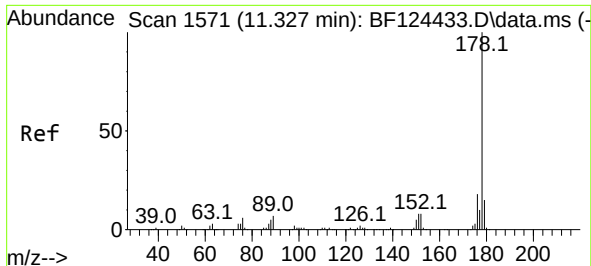
Tgt Ion:188 Resp: 127611
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 8.4 8.2 12.2



#71
Phenanthrene
Concen: 16.50 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.018 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion:178 Resp: 132746
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 15.4 12.5 18.7

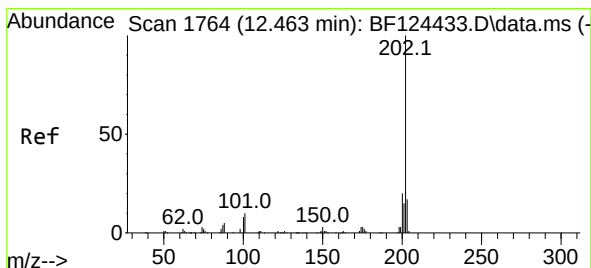
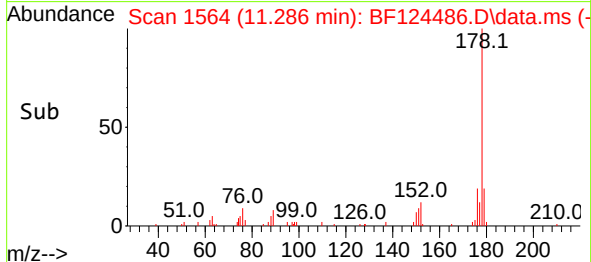
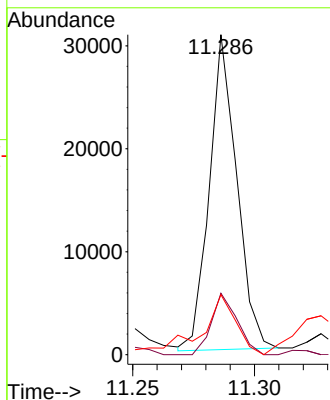
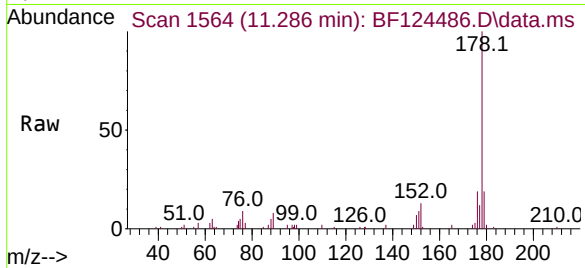




#72
 Anthracene
 Concen: 2.99 ng
 RT: 11.286 min Scan# 1564
 Delta R.T. -0.018 min
 Lab File: BF124486.D
 Acq: 29 Jun 2021 00:52

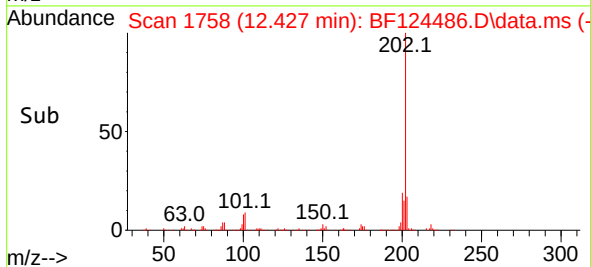
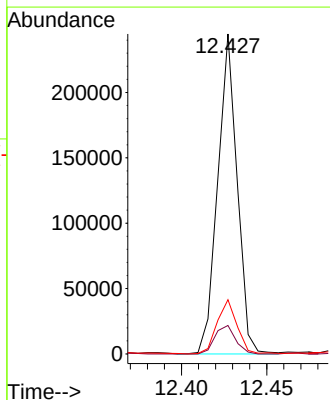
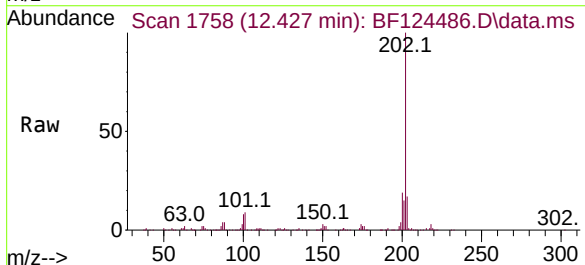
Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

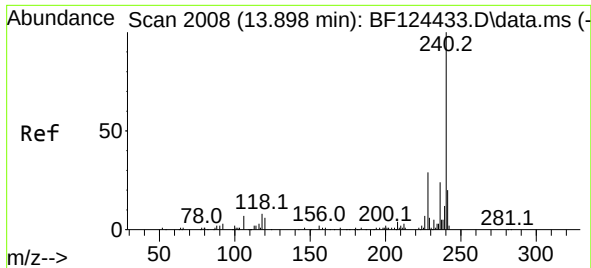
Tgt Ion:178	Resp:	23969
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.4 23.0
179	18.7	12.6 18.8



#75
 Fluoranthene
 Concen: 24.04 ng
 RT: 12.427 min Scan# 1758
 Delta R.T. -0.012 min
 Lab File: BF124486.D
 Acq: 29 Jun 2021 00:52

Tgt Ion:202	Resp:	194635
Ion Ratio	Lower	Upper
202	100	
101	8.9	0.0 30.9
203	16.9	0.0 37.5

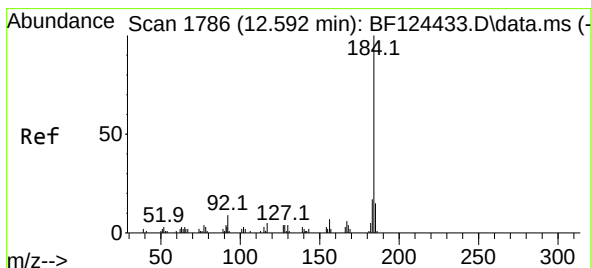
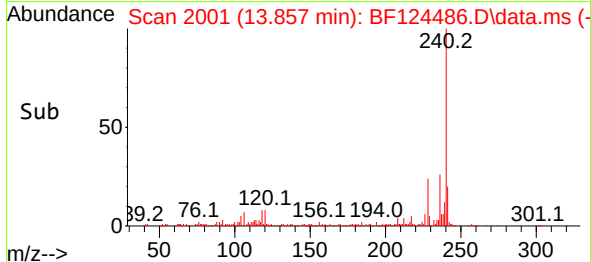
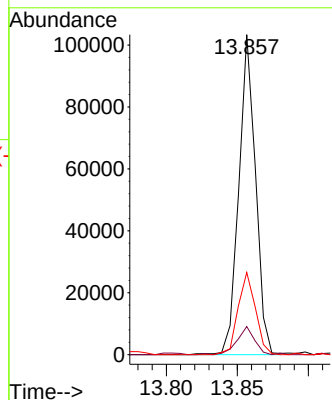
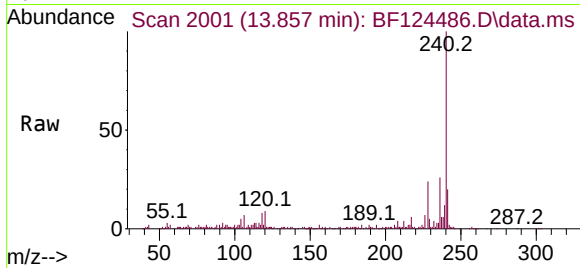




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.857 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

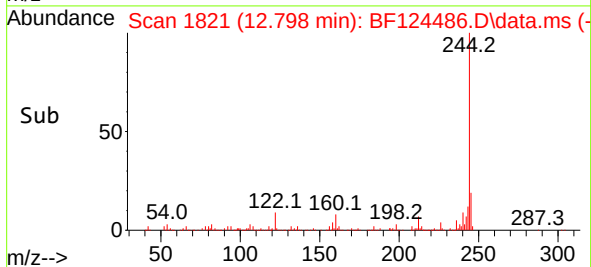
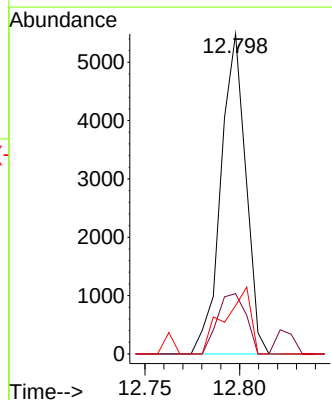
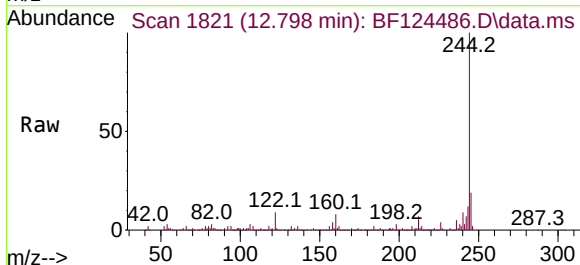
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

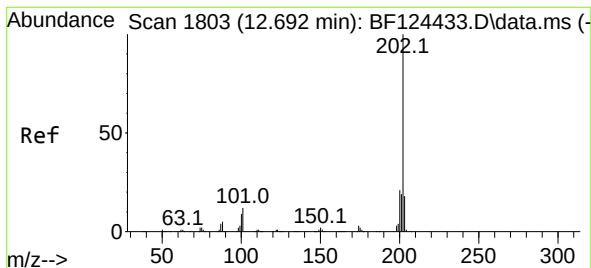
Tgt Ion:240 Resp: 84980
Ion Ratio Lower Upper
240 100
120 8.8 7.2 10.8
236 25.7 19.0 28.4



#77
Benzidine
Concen: 2.94 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.235 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion:184 Resp: 5007
Ion Ratio Lower Upper
184 100
185 18.9 12.1 18.1#
183 15.1 7.8 11.8#





#78

Pyrene

Concen: 25.10 ng

RT: 12.657 min Scan# 1797

Delta R.T. -0.012 min

Lab File: BF124486.D

Acq: 29 Jun 2021 00:52

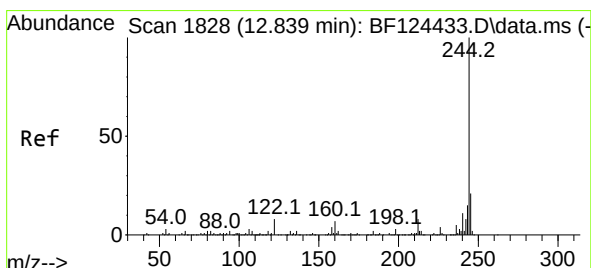
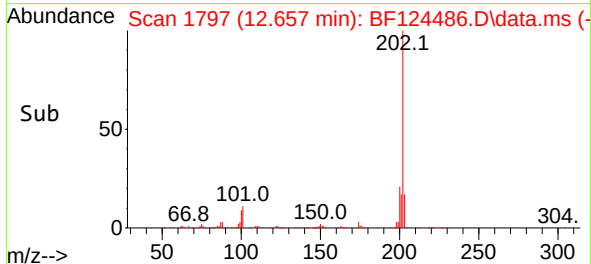
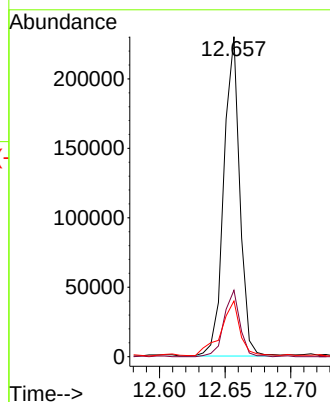
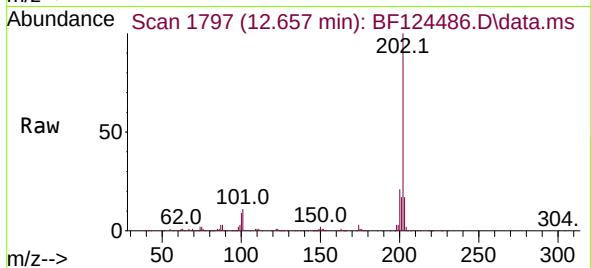
Tgt Ion:	202	Resp:	194681
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.1	24.1
203	17.4	14.8	22.2

Instrument :

BNA_F

ClientSampleId :

SB-15-COMP



#79

Terphenyl-d14

Concen: 51.45 ng

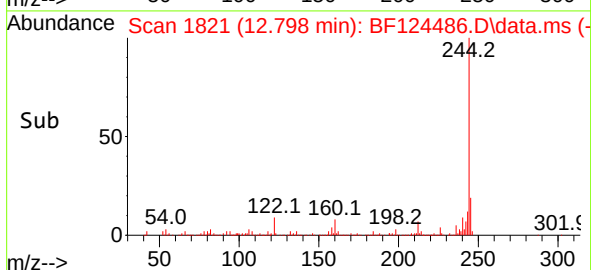
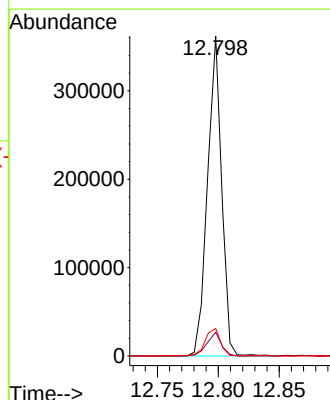
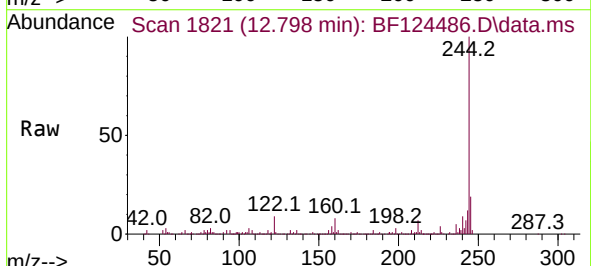
RT: 12.798 min Scan# 1821

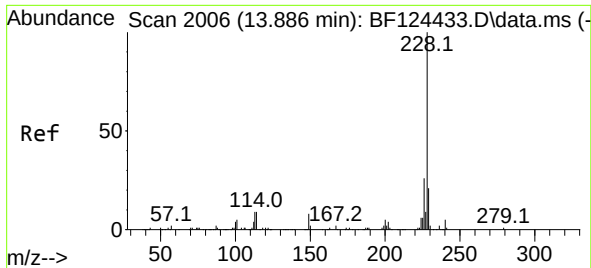
Delta R.T. -0.012 min

Lab File: BF124486.D

Acq: 29 Jun 2021 00:52

Tgt Ion:	244	Resp:	291939
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.7	8.5
122	8.5	9.7	14.5#

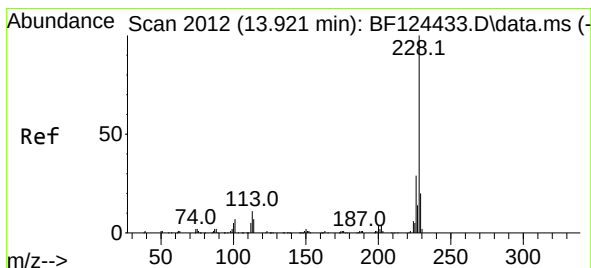
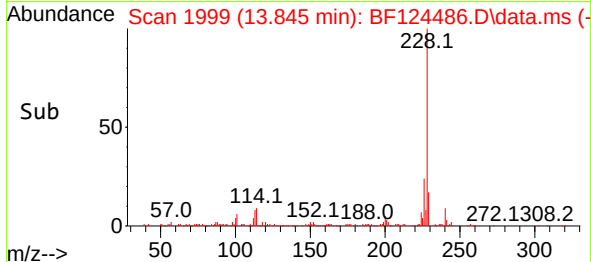
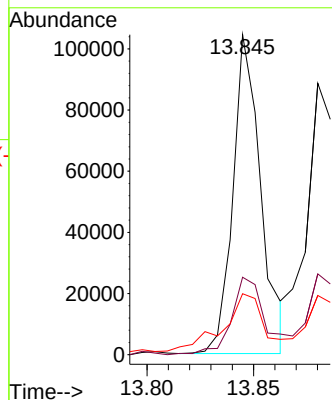
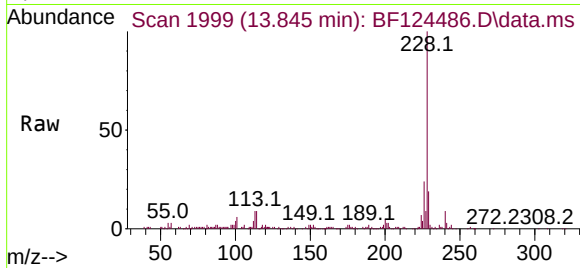




#81
Benzo(a)anthracene
Concen: 15.49 ng
RT: 13.845 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

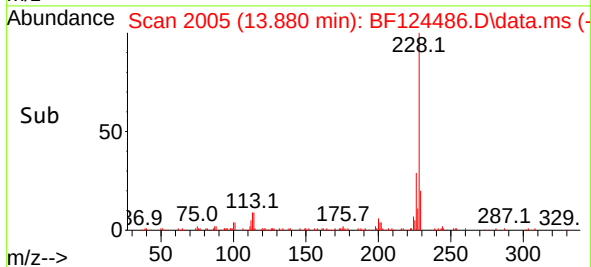
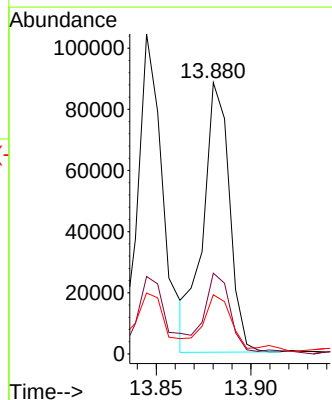
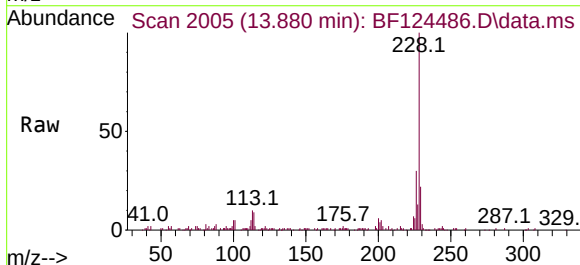
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

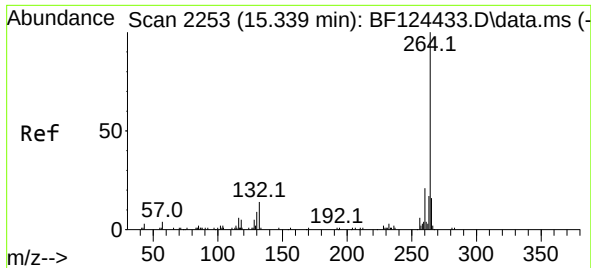
Tgt Ion:228 Resp: 94878
Ion Ratio Lower Upper
228 100
226 24.2 22.4 33.6
229 19.0 16.0 24.0



#83
Chrysene
Concen: 14.08 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion:228 Resp: 85464
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.8 16.2 24.2

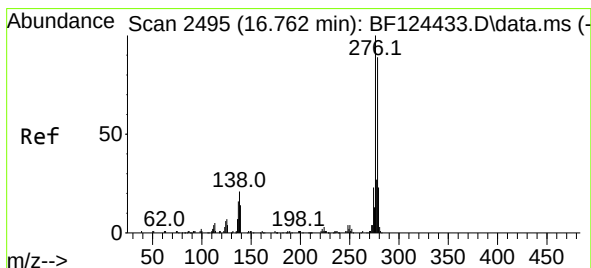
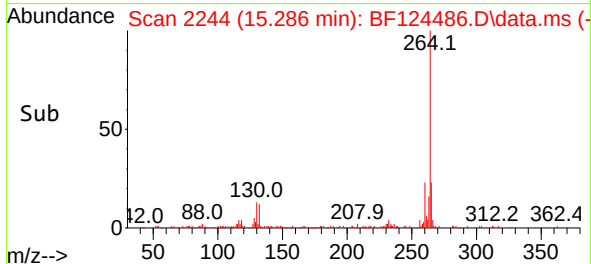
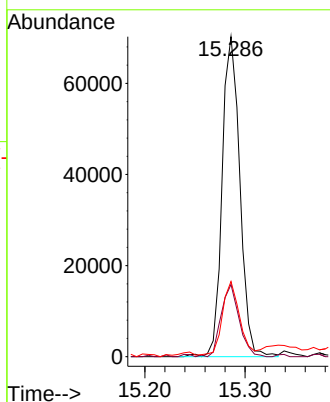
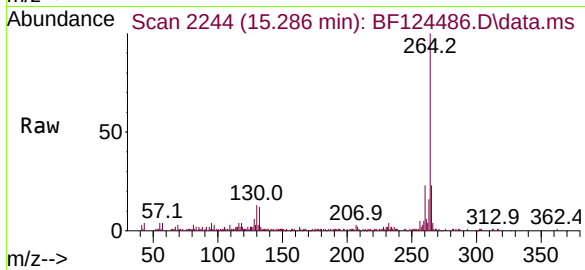




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.286 min Scan# 2244
Delta R.T. -0.006 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

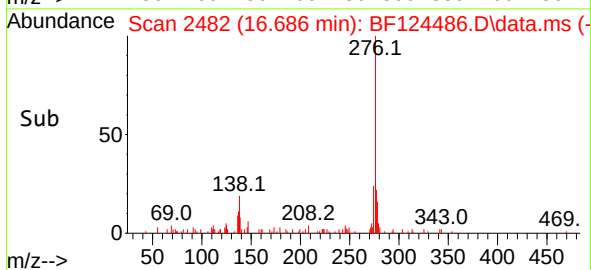
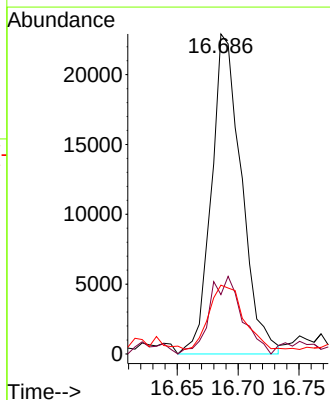
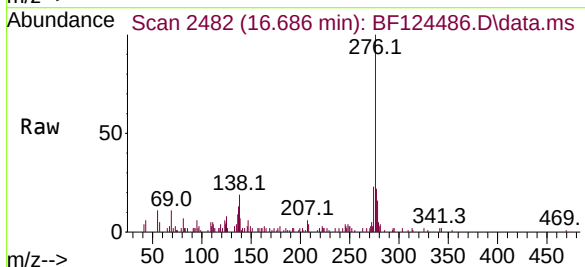
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

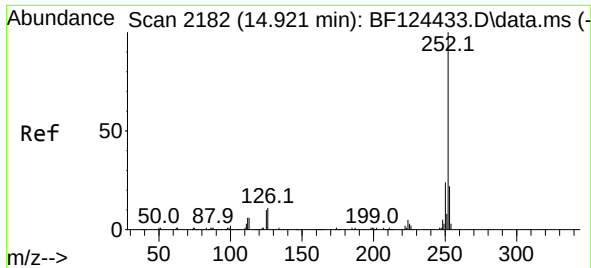
Tgt Ion:264	Resp:	86080
Ion Ratio	Lower	Upper
264	100	
260	22.6	18.7 28.1
265	23.5	17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.80 ng
RT: 16.686 min Scan# 2482
Delta R.T. -0.006 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion:276	Resp:	39341
Ion Ratio	Lower	Upper
276	100	
138	26.0	16.2 24.2#
277	26.9	20.1 30.1

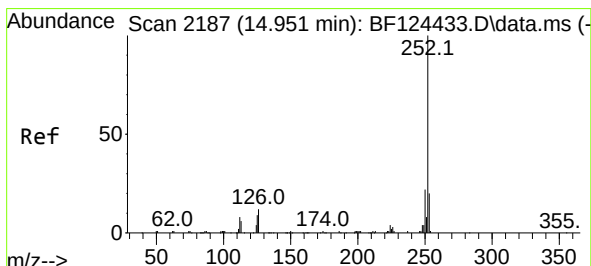
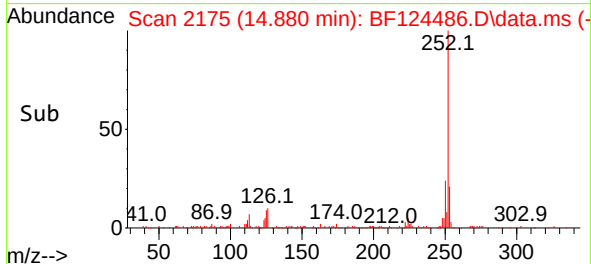
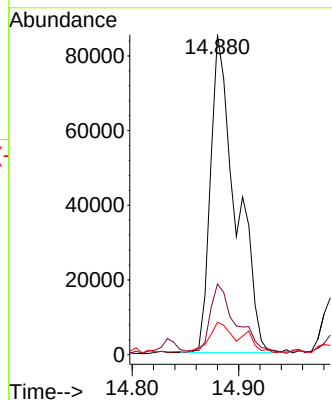
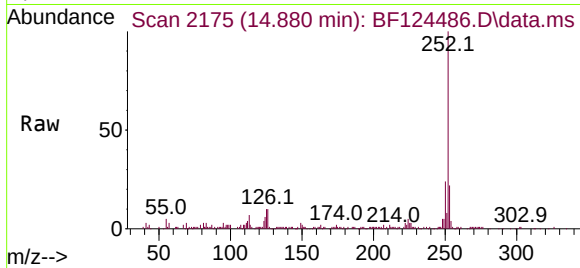




#88
Benzo(b)fluoranthene
Concen: 21.68 ng
RT: 14.880 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

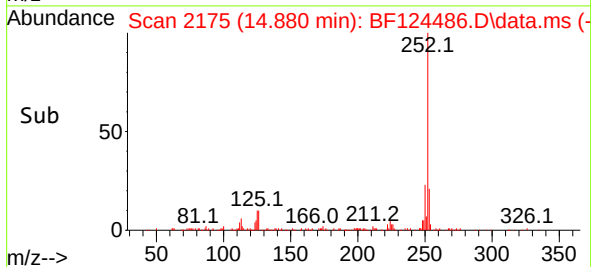
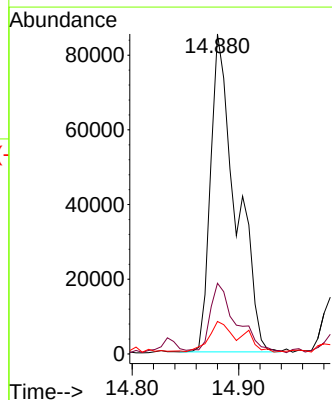
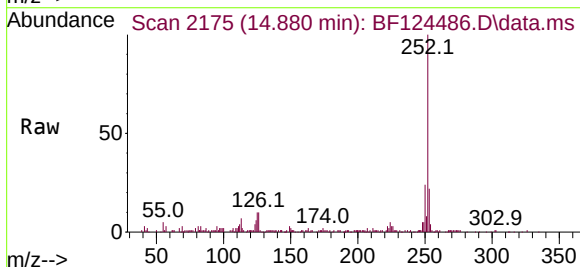
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

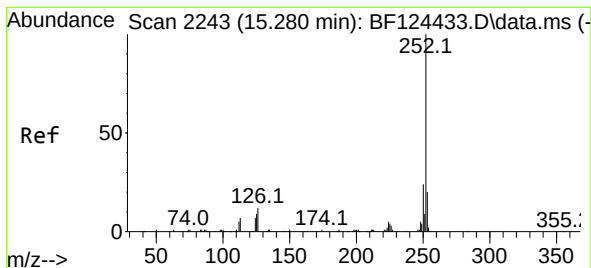
Tgt Ion:252 Resp: 141396
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 10.2 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 23.69 ng
RT: 14.880 min Scan# 2175
Delta R.T. -0.035 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion:252 Resp: 141396
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 10.2 7.0 10.6

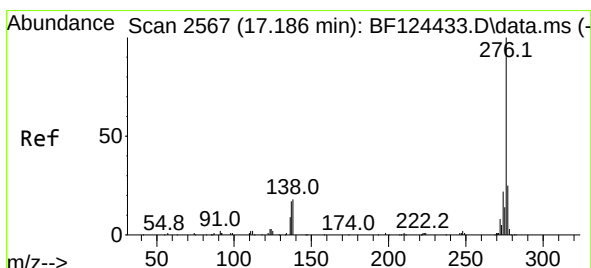
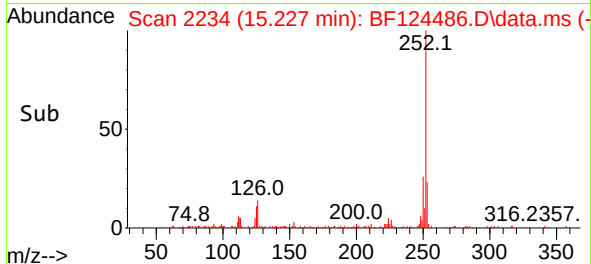
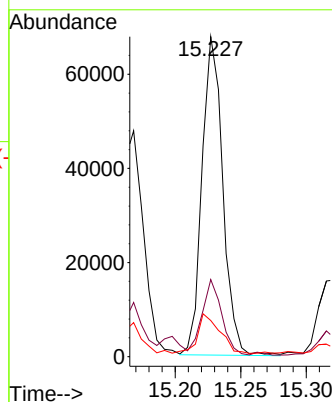
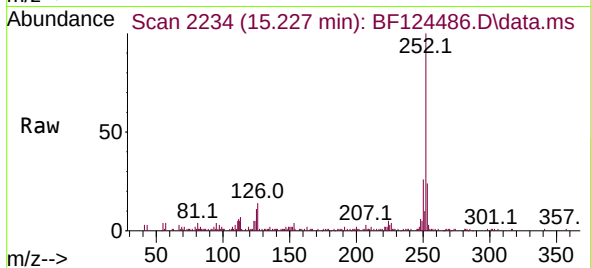




#90
Benzo(a)pyrene
Concen: 12.97 ng
RT: 15.227 min Scan# 2234
Delta R.T. -0.006 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

Tgt Ion:252 Resp: 75156
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 11.3 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 6.51 ng
RT: 17.109 min Scan# 2554
Delta R.T. -0.000 min
Lab File: BF124486.D
Acq: 29 Jun 2021 00:52

Tgt Ion:276 Resp: 37478
Ion Ratio Lower Upper
276 100
277 25.1 18.2 27.2
138 26.4 13.8 20.6#

