

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091521\
 Data File : BF125523.D
 Acq On : 16 Sep 2021 1:24
 Operator : JU/CG
 Sample : M3687-23
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A010015

Quant Time: Sep 16 03:08:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 15 15:08:32 2021
 Response via : Initial Calibration

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

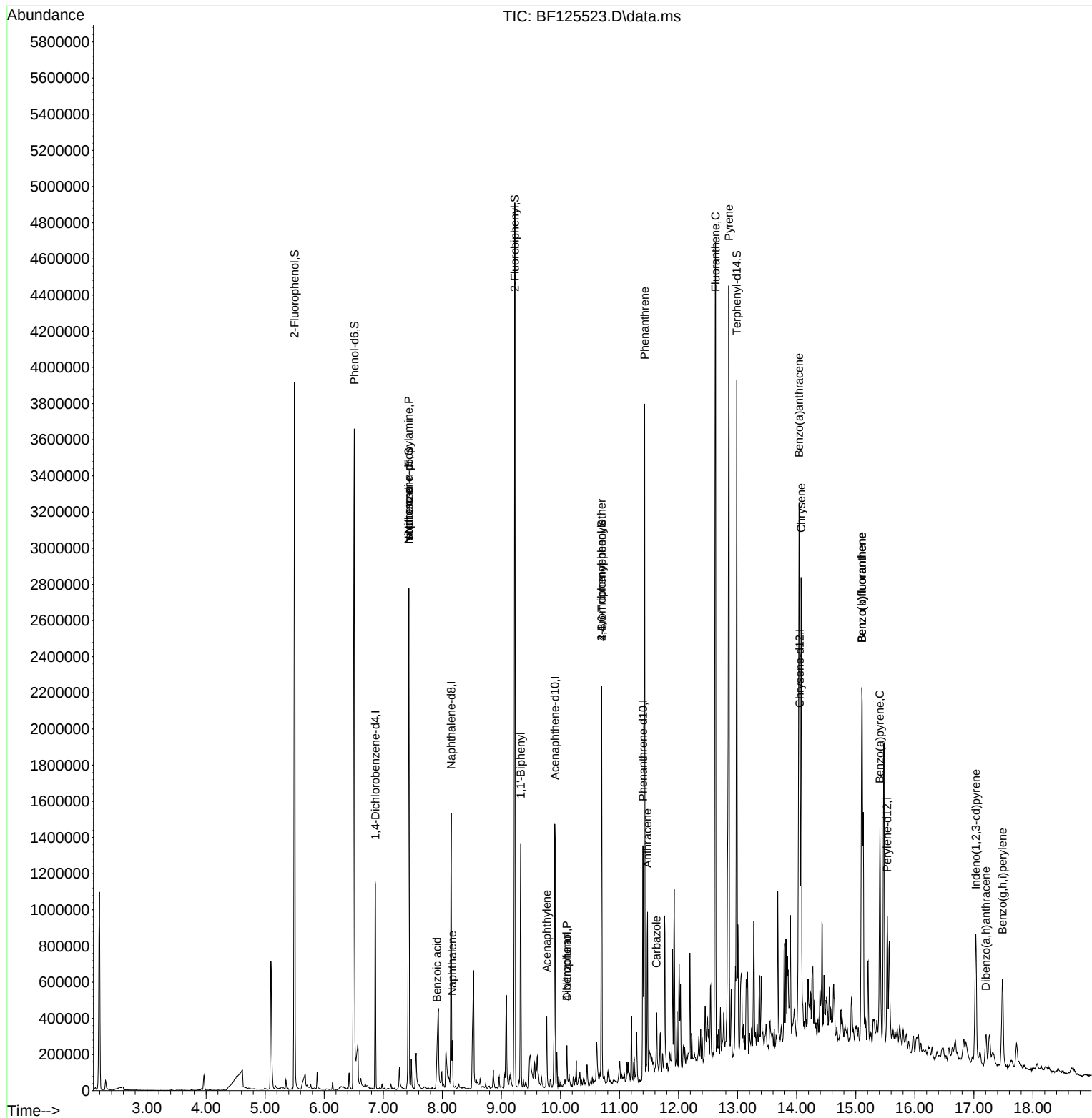
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	174394	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	648284	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	320633	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	479520	20.000	ng	0.00
76) Chrysene-d12	14.051	240	291335	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	301658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1100852	100.299	ng	0.00
7) Phenol-d6	6.510	99	1422098	97.487	ng	0.00
23) Nitrobenzene-d5	7.433	82	969749	73.857	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	259824	66.535	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1605353	73.469	ng	0.00
79) Terphenyl-d14	12.986	244	1264245	70.366	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.422	77	17508	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.433	70	133877	15.270 ng	#	55
20) 3+4-Methylphenols	7.286	107	6296	Below Cal	#	86
25) Isophorone	7.433	82	964200	38.489 ng	#	59
31) Naphthalene	8.169	128	84983	2.632 ng		98
32) Benzoic acid	7.910	122	41498	6.765 ng		87
46) 1,1'-Biphenyl	9.327	154	398106	16.559 ng		98
49) Acenaphthylene	9.769	152	156081	5.315 ng		98
55) Dibenzofuran	10.110	168	67384	2.535 ng		94
56) 4-Nitrophenol	10.110	139	24557	6.394 ng	#	13
67) 4-Bromophenyl-phenylether	10.698	248	15553	2.674 ng	#	1
71) Phenanthrene	11.427	178	1421794	55.414 ng		97
72) Anthracene	11.474	178	350629	13.622 ng		99
73) Carbazole	11.627	167	123331	5.139 ng		97
75) Fluoranthene	12.627	202	2294112	81.960 ng		95
78) Pyrene	12.851	202	2016837	83.811 ng		95
81) Benzo(a)anthracene	14.039	228	1317479	62.703 ng		96
83) Chrysene	14.074	228	1036609	50.974 ng		95
87) Indeno(1,2,3-cd)pyrene	17.033	276	475163	24.285 ng	#	87
88) Benzo(b)fluoranthene	15.104	252	1716136	75.009 ng	#	94
89) Benzo(k)fluoranthene	15.104	252	1716136	81.514 ng		99
90) Benzo(a)pyrene	15.409	252	608777	31.367 ng		100
91) Dibenzo(a,h)anthracene	17.203	278	115534	6.925 ng		93
92) Benzo(g,h,i)perylene	17.486	276	403067	24.566 ng	#	86

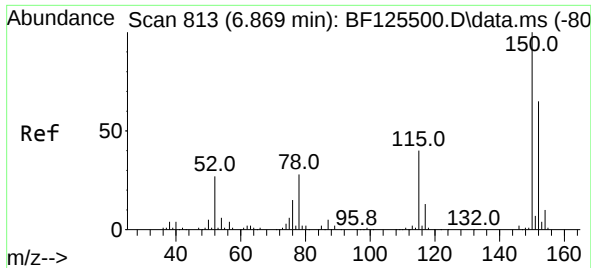
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091521\
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QLast Update : Wed Sep 15 15:08:32 2021
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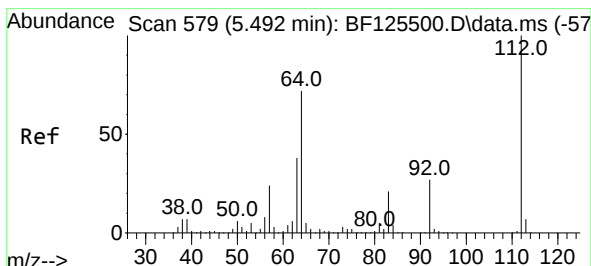
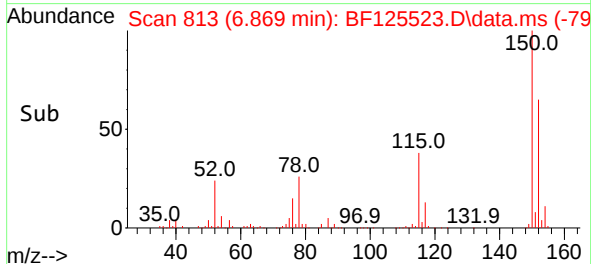
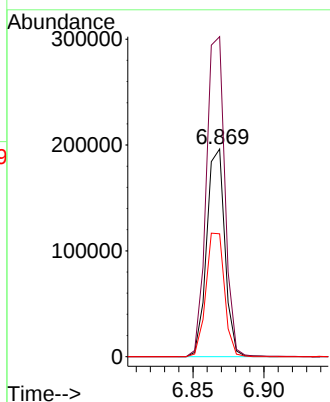
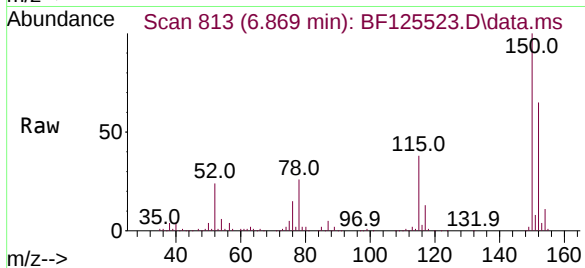




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

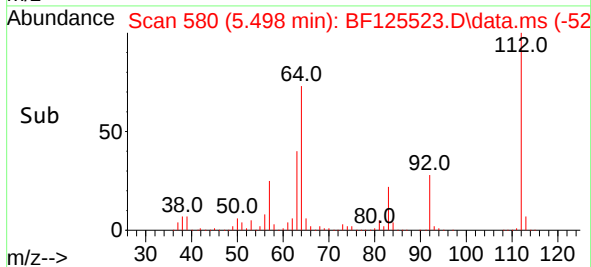
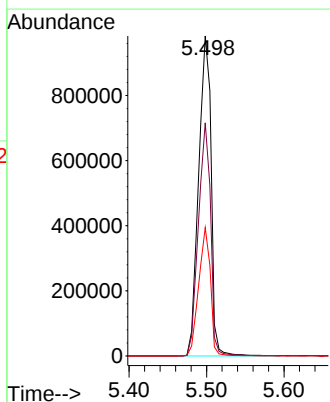
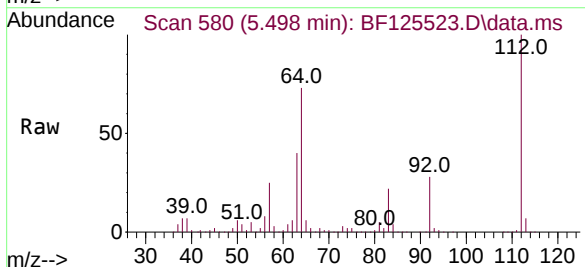
Instrument :
BNA_F
ClientSampleId :
A010015

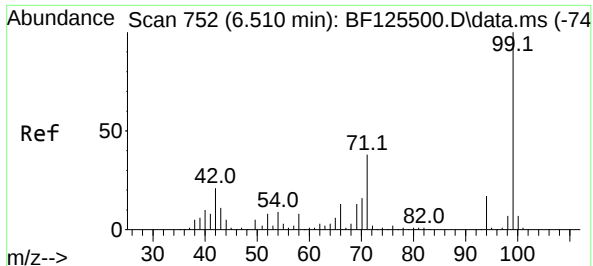
Tgt Ion:152 Resp: 174394
Ion Ratio Lower Upper
152 100
150 154.1 117.6 176.4
115 59.2 47.1 70.7



#5
2-Fluorophenol
Concen: 100.299 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:112 Resp: 1100852
Ion Ratio Lower Upper
112 100
64 72.8 44.2 66.2#
63 40.1 26.2 39.2#

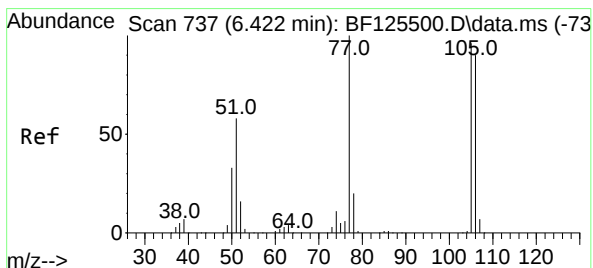
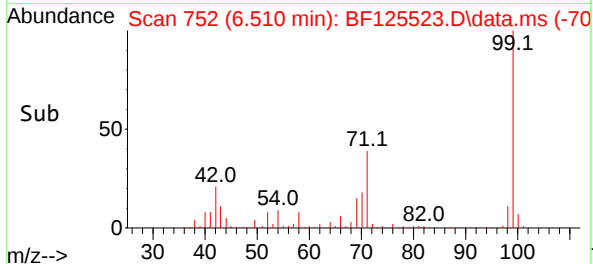
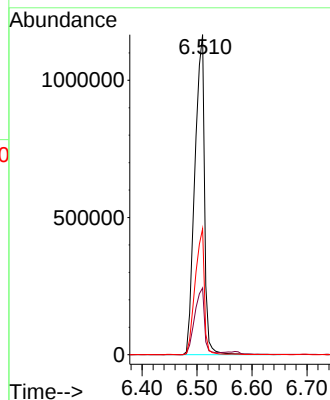
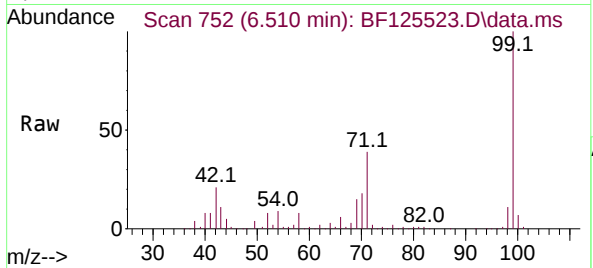




#7
Phenol-d6
Concen: 97.487 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

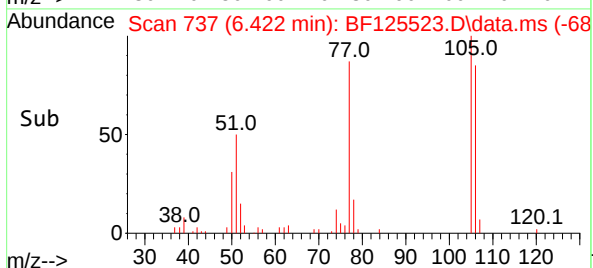
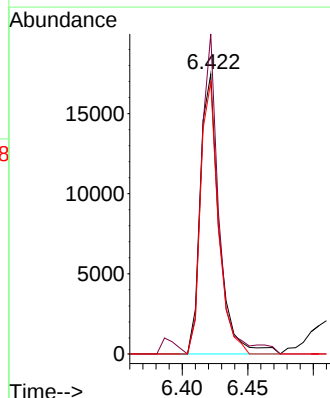
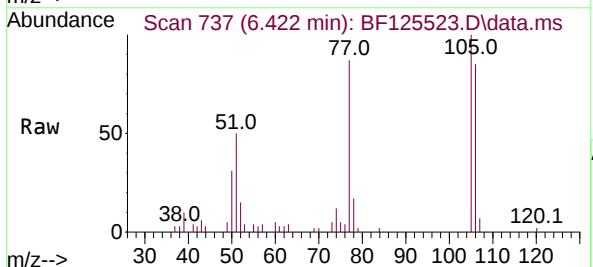
Instrument :
BNA_F
ClientSampleId :
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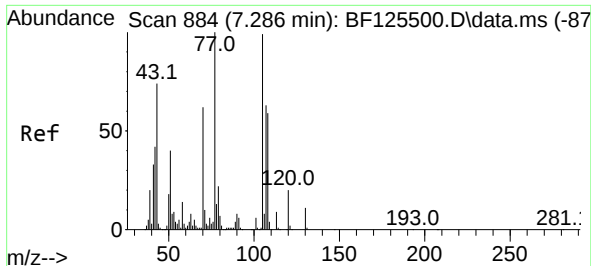
Tgt Ion: 99 Resp: 1422098
Ion Ratio Lower Upper
99 100
42 20.8 23.5 35.3#
71 39.4 25.6 38.4#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.422 min Scan# 737
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 77 Resp: 17508
Ion Ratio Lower Upper
77 100
105 114.3 75.9 115.9
106 97.2 84.0 124.0

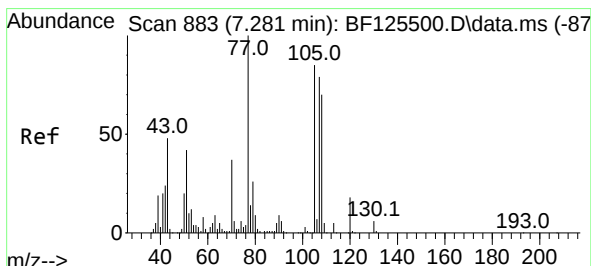
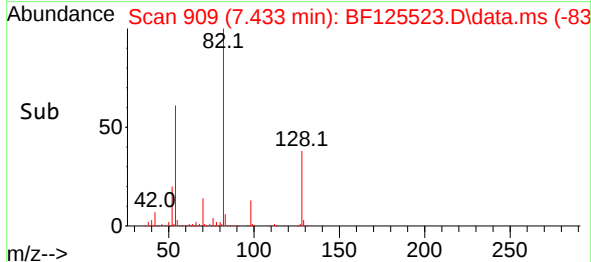
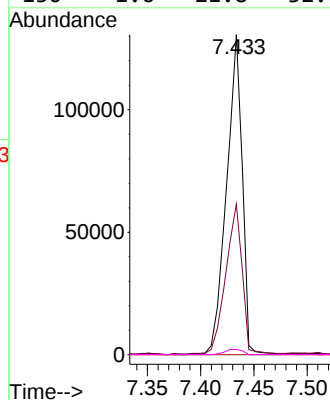
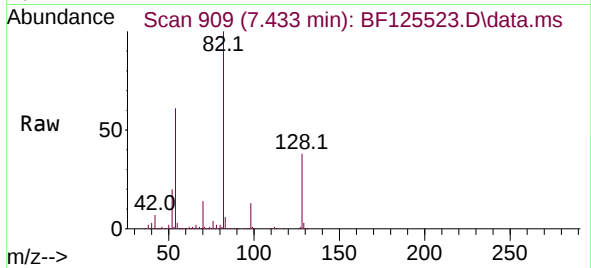




#19
n-Nitroso-di-n-propylamine
Concen: 15.270 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

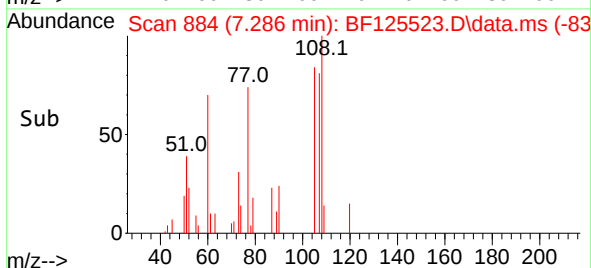
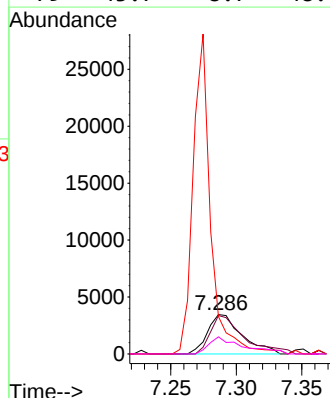
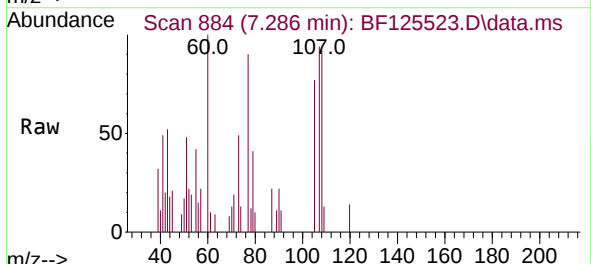
Instrument :
BNA_F
ClientSampleId :
A010015

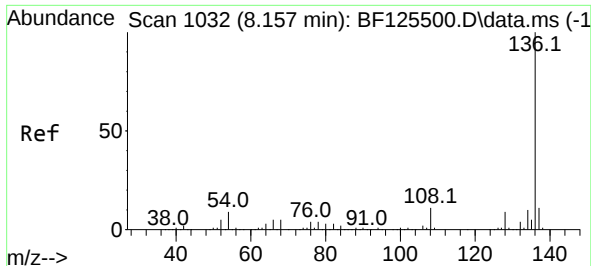
Tgt Ion: 70 Resp: 133877
Ion Ratio Lower Upper
70 100
42 47.1 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.286 min Scan# 884
Delta R.T. 0.005 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 107 Resp: 6296
Ion Ratio Lower Upper
107 100
108 97.6 76.6 116.6
77 95.3 53.3 93.3#
79 43.7 8.7 48.7

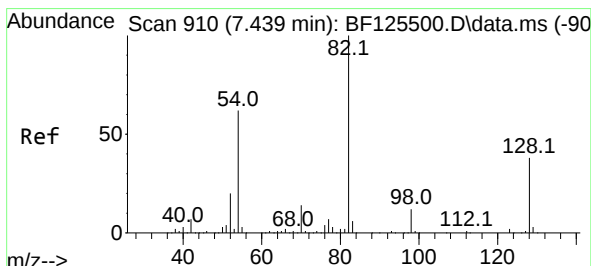
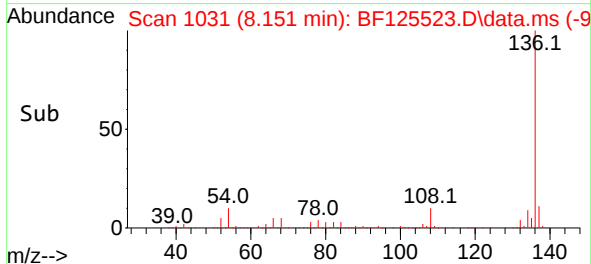
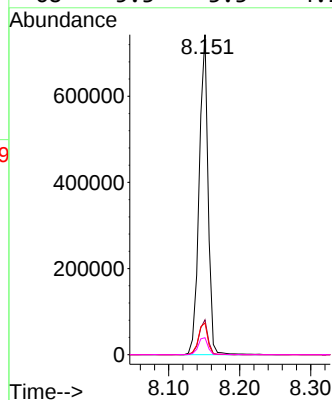
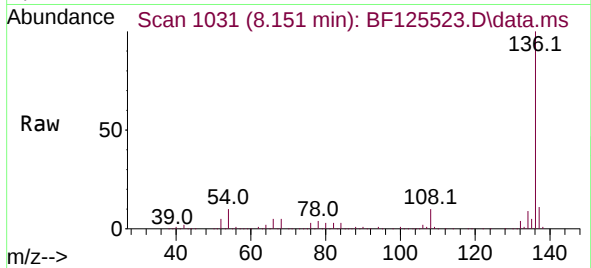




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

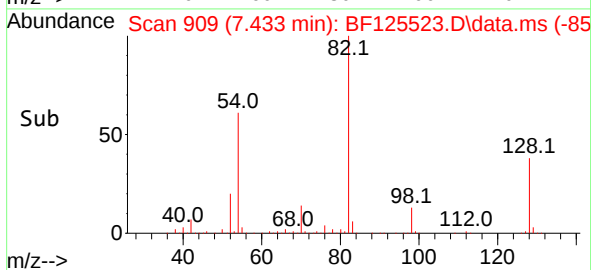
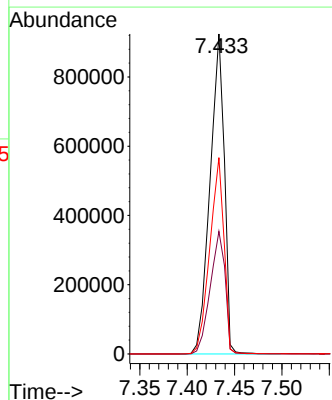
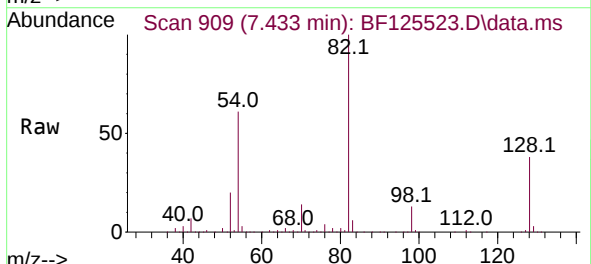
Instrument :
BNA_F
ClientSampleId :
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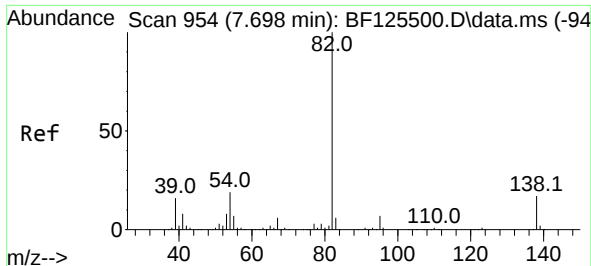
Tgt Ion:136	Resp: 648284
Ion Ratio	Lower Upper
136	100
137	10.9 9.8 14.6
54	9.9 6.4 9.6#
68	5.3 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 73.857 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 82	Resp: 969749
Ion Ratio	Lower Upper
82	100
128	38.3 40.6 60.8#
54	61.4 49.6 74.4

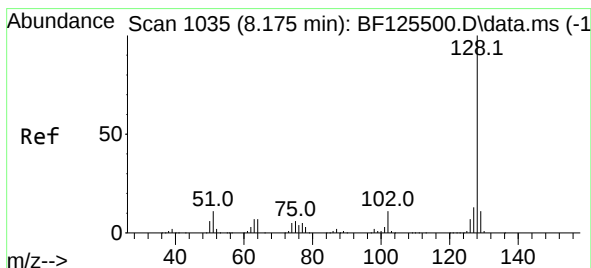
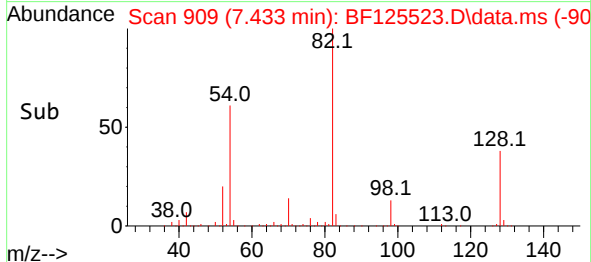
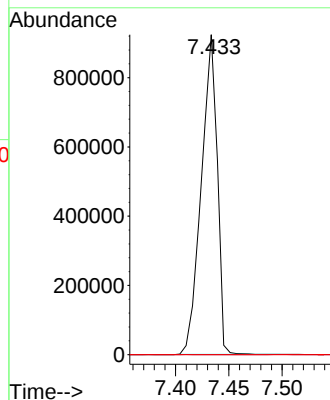
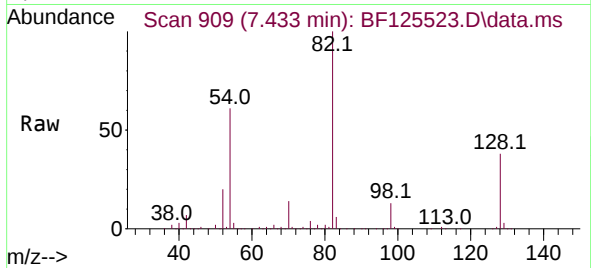




#25
Isophorone
Concen: 38.489 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

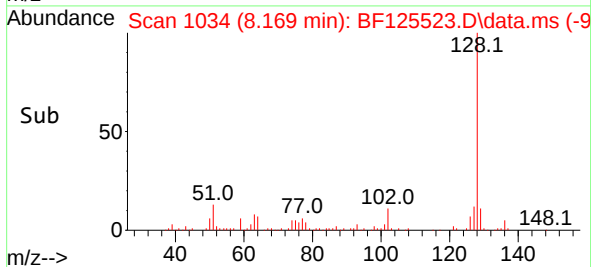
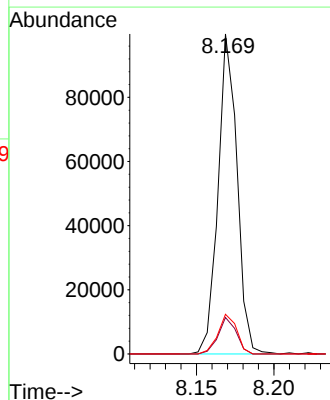
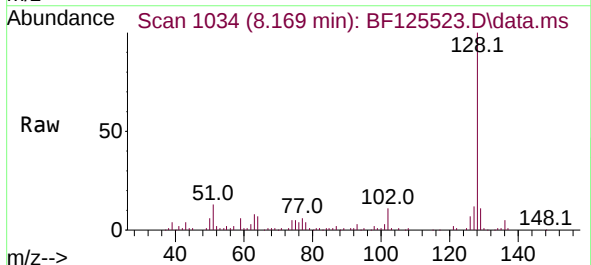
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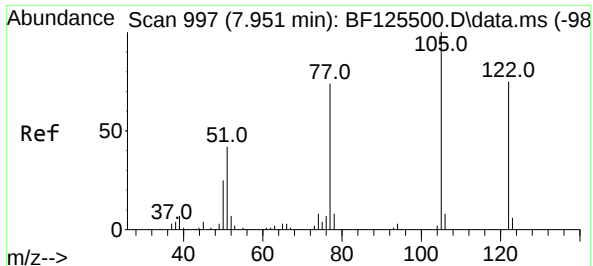
Tgt Ion: 82 Resp: 964200
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 2.632 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 128 Resp: 84983
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.0
127 12.4 10.9 16.3

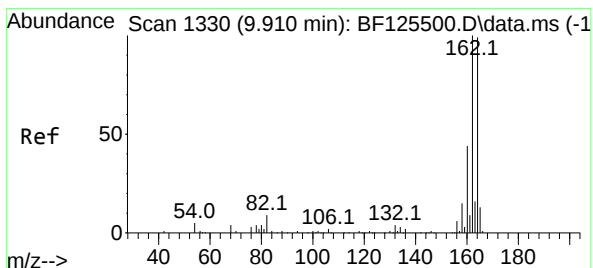
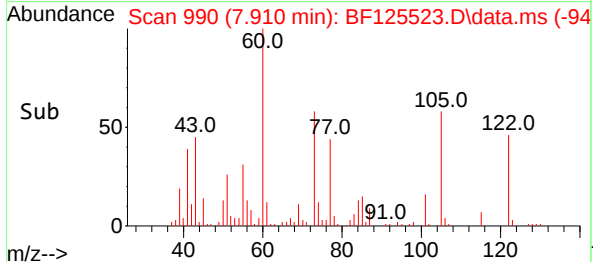
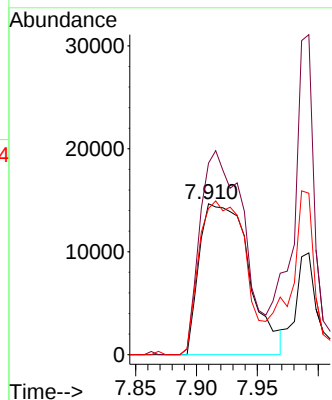
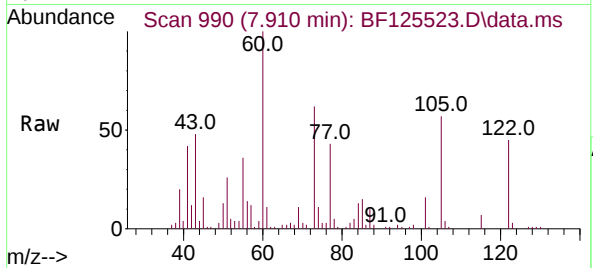




#32
Benzoic acid
Concen: 6.765 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.041 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

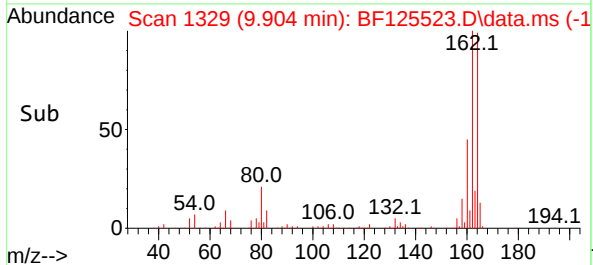
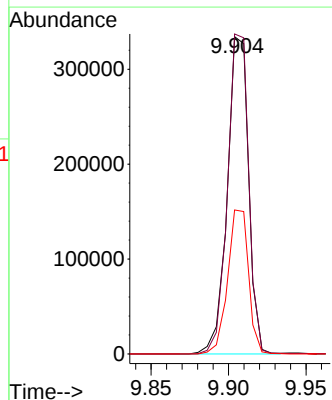
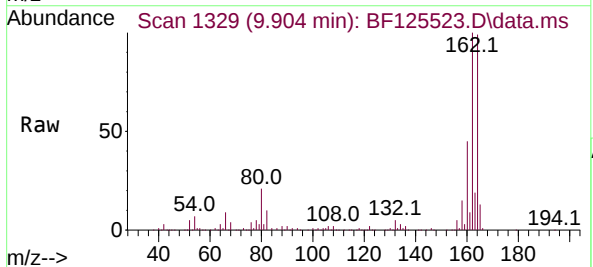
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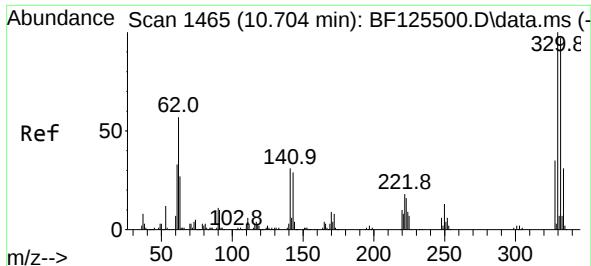
Tgt Ion:122 Resp: 41498
Ion Ratio Lower Upper
122 100
105 127.0 97.6 137.6
77 96.9 59.6 99.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

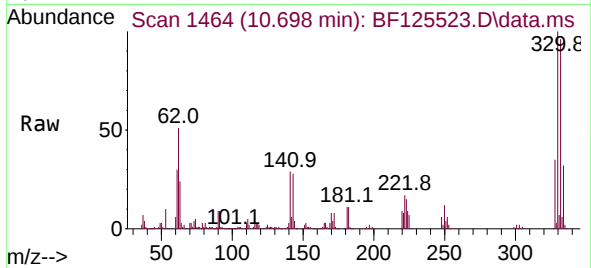
Tgt Ion:164 Resp: 320633
Ion Ratio Lower Upper
164 100
162 100.9 81.3 121.9
160 45.4 38.0 57.0



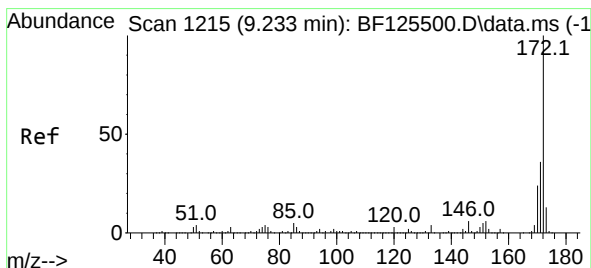
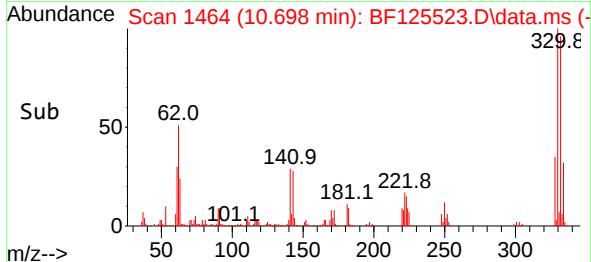
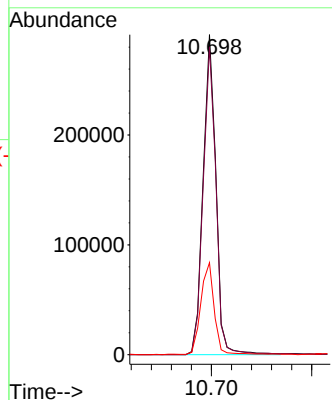


#42
2,4,6-Tribromophenol
Concen: 66.535 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Instrument :
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ClientSampleId :
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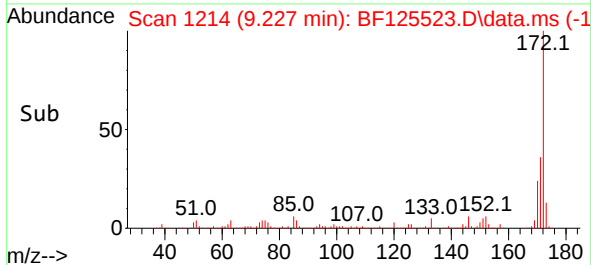
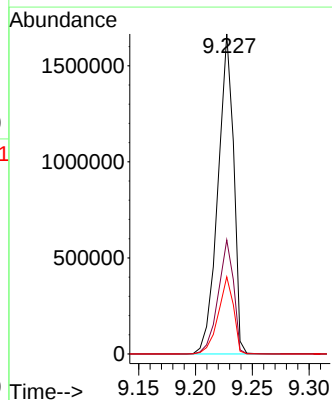
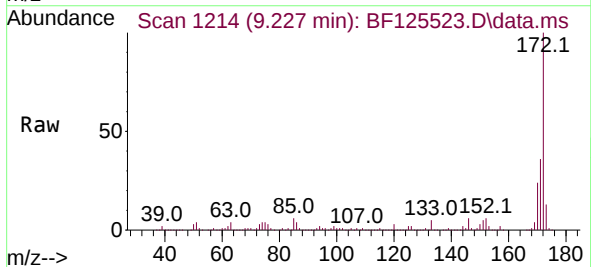


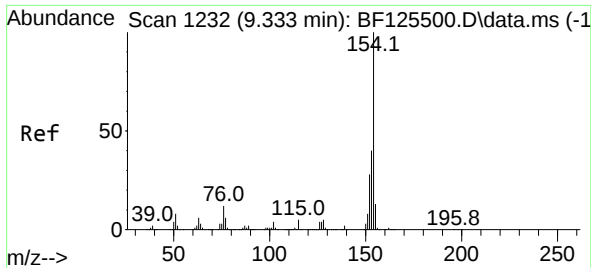
Tgt Ion: 330 Resp: 259824
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 30.6 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 73.469 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion: 172 Resp: 1605353
Ion Ratio Lower Upper
172 100
171 35.7 26.5 39.7
170 24.1 18.8 28.2

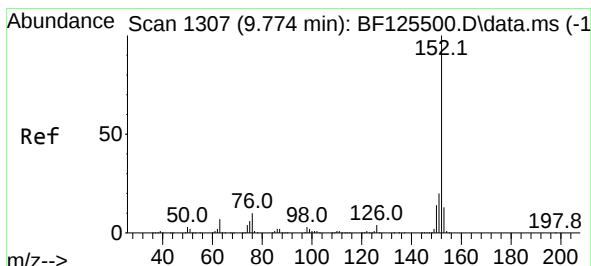
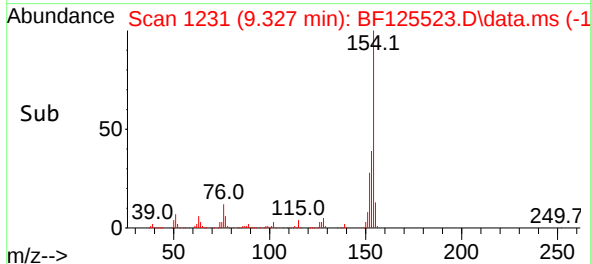
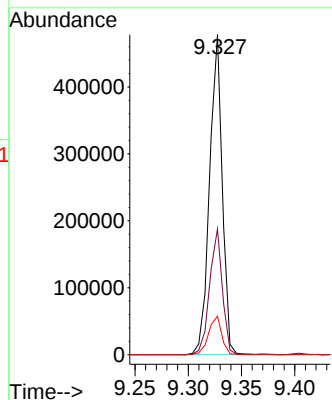
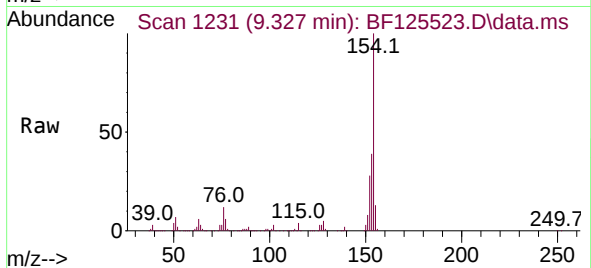




#46
1,1'-Biphenyl
Concen: 16.559 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

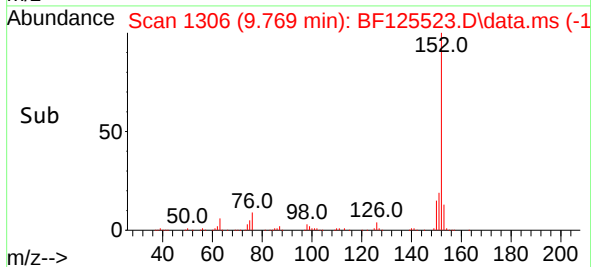
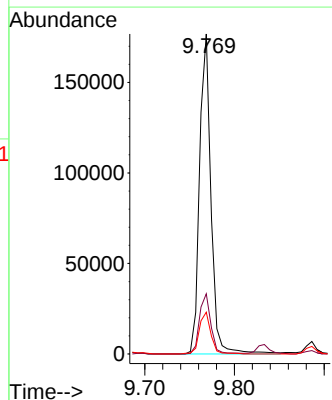
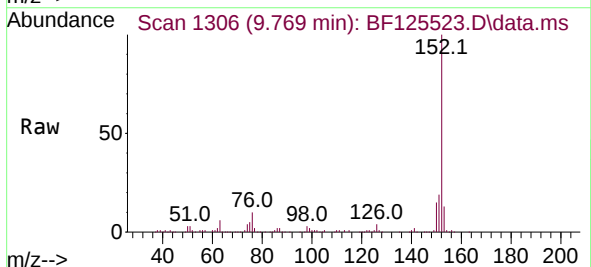
Instrument :
BNA_F
ClientSampleId :
A010015

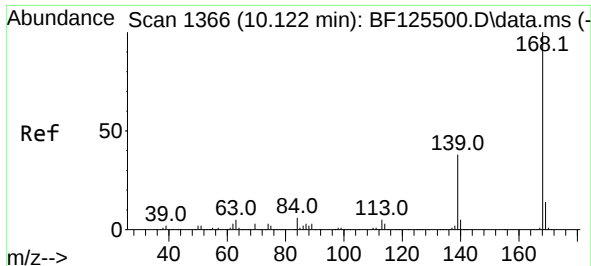
Tgt Ion:154 Resp: 398106
Ion Ratio Lower Upper
154 100
153 39.3 20.0 60.0
76 12.1 0.0 30.3



#49
Acenaphthylene
Concen: 5.315 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:152 Resp: 156081
Ion Ratio Lower Upper
152 100
151 18.8 15.7 23.5
153 13.0 9.8 14.8

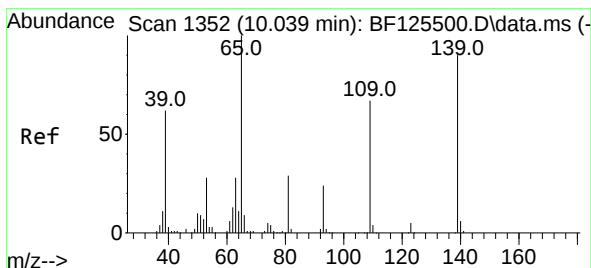
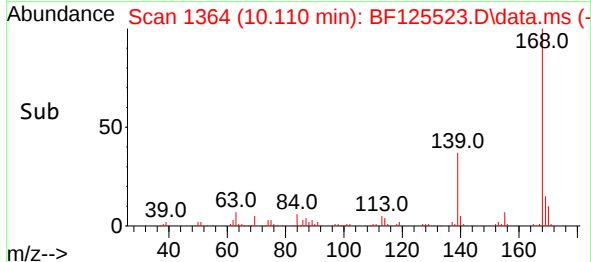
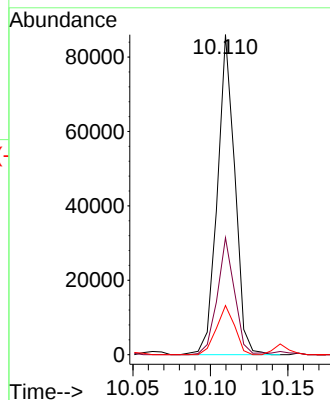
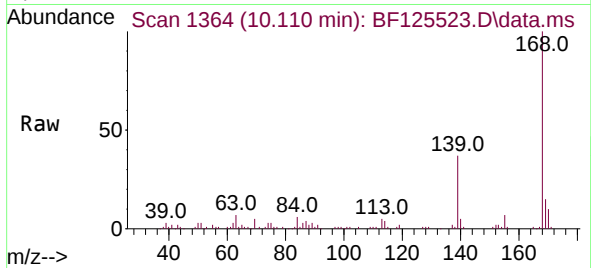




#55
Dibenzofuran
Concen: 2.535 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

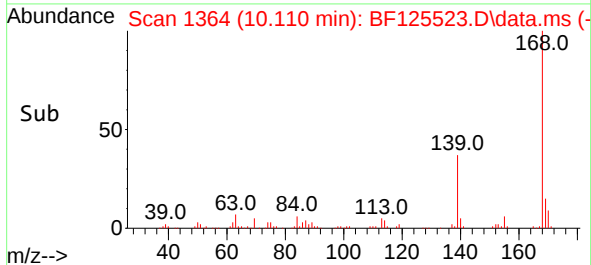
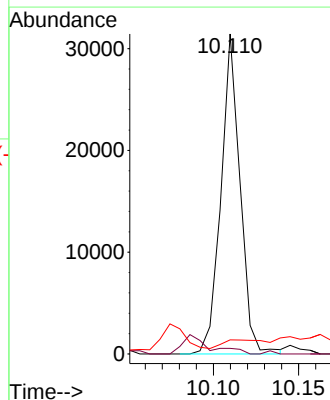
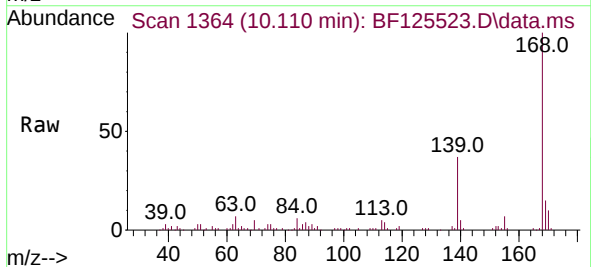
Instrument :
BNA_F
ClientSampleId :
A010015

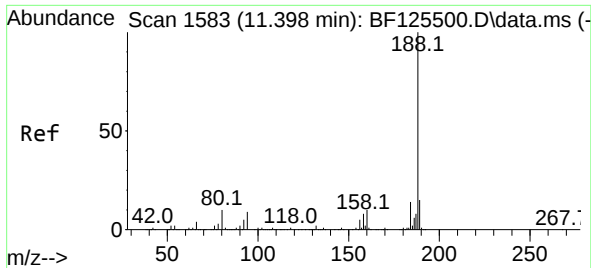
Tgt Ion:168 Resp: 67384
Ion Ratio Lower Upper
168 100
139 36.6 32.7 49.1
169 15.4 11.2 16.8



#56
4-Nitrophenol
Concen: 6.394 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.071 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:139 Resp: 24557
Ion Ratio Lower Upper
139 100
109 1.7 60.4 100.4#
65 4.4 58.4 98.4#

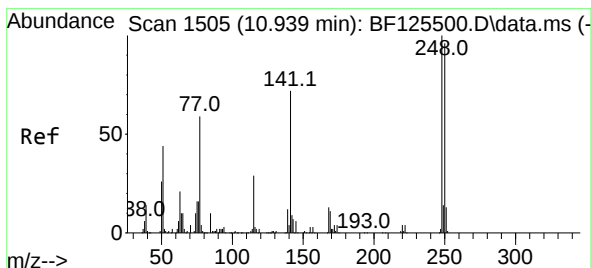
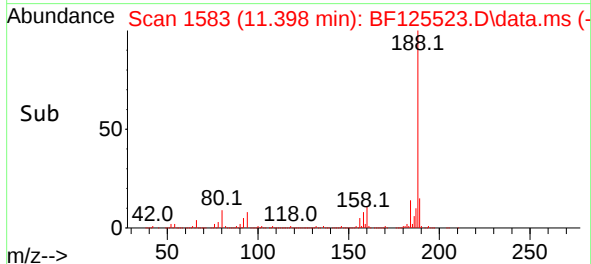
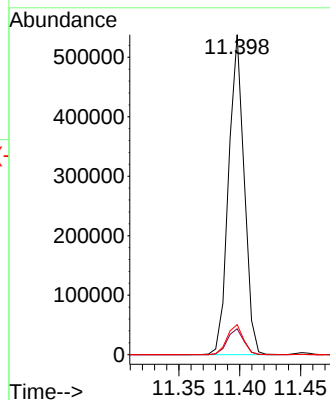
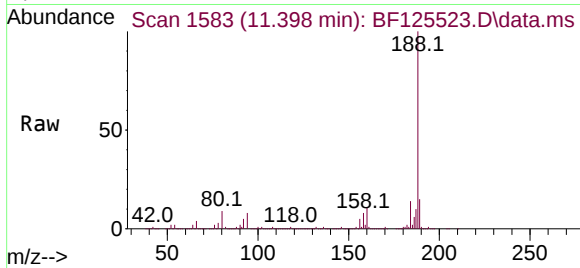




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

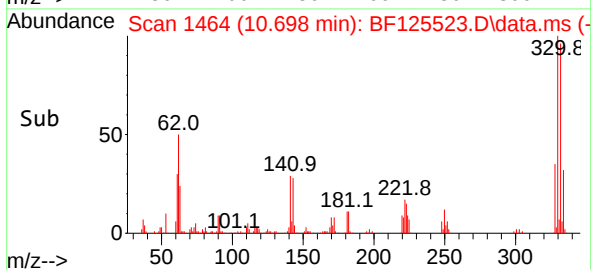
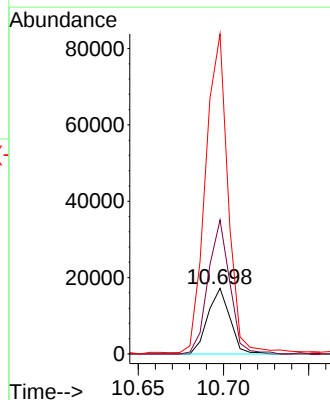
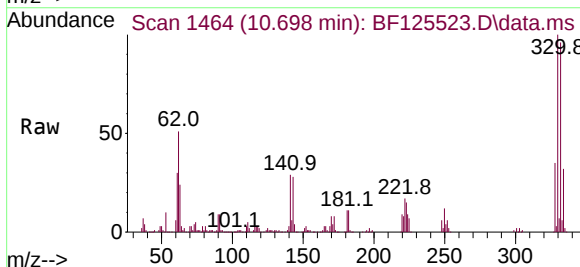
Instrument :
BNA_F
ClientSampleId :
A010015

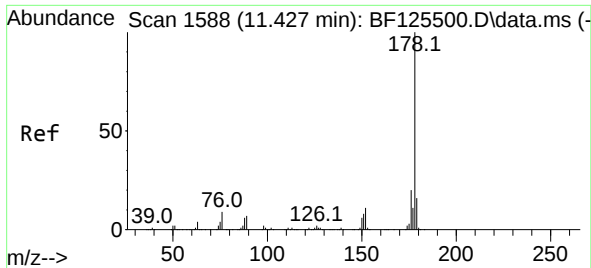
Tgt Ion:	188	Resp:	479520
Ion Ratio	100	Lower	Upper
94	8.1	6.7	10.1
80	9.4	7.5	11.3



#67
4-Bromophenyl-phenylether
Concen: 2.674 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:	248	Resp:	15553
Ion Ratio	100	Lower	Upper
250	204.4	74.2	111.4#
141	488.0	60.4	90.6#

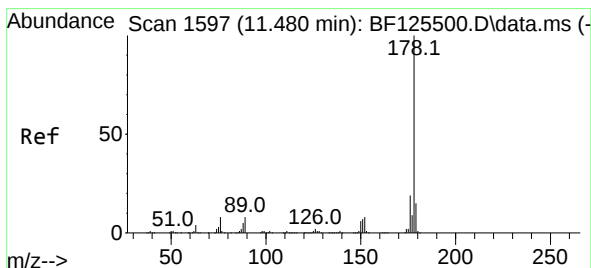
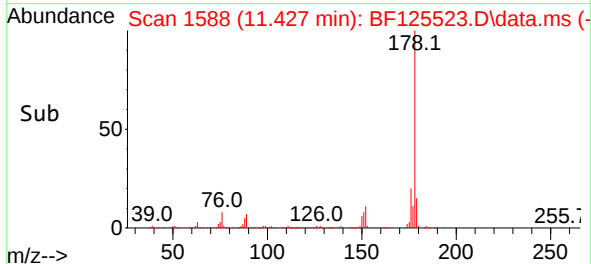
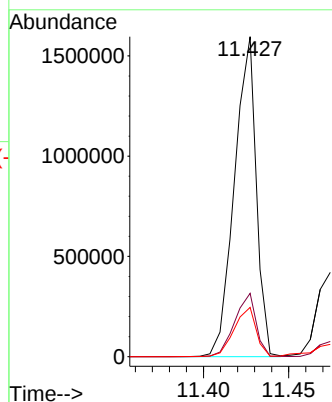
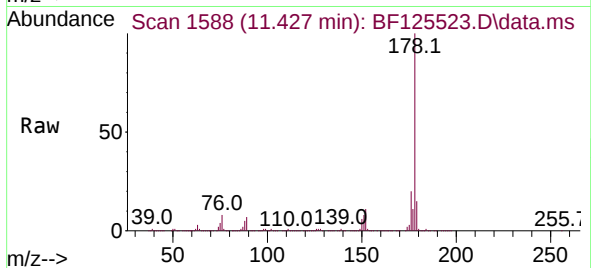




#71
Phenanthrene
Concen: 55.414 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

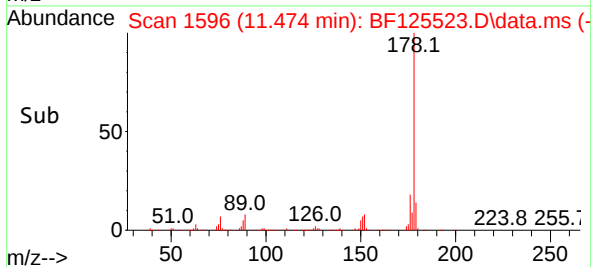
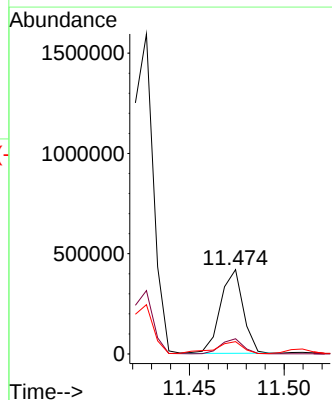
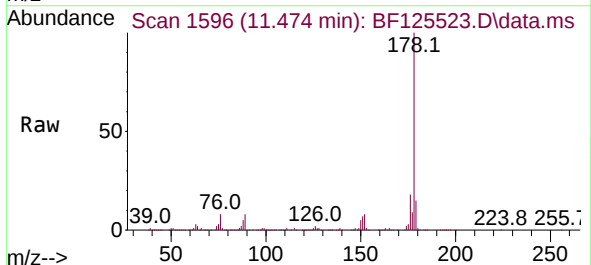
Instrument :
BNA_F
ClientSampleId :
A010015

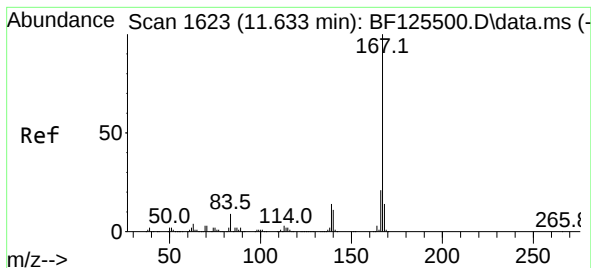
Tgt Ion:178 Resp: 1421794
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 15.4 11.5 17.3



#72
Anthracene
Concen: 13.622 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:178 Resp: 350629
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 14.6 12.2 18.4

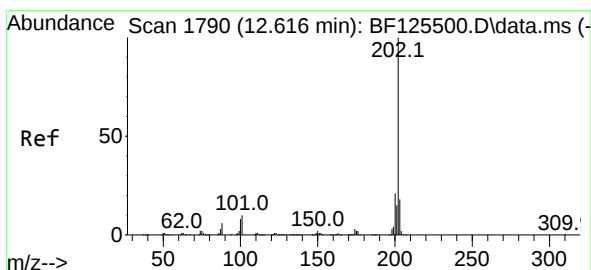
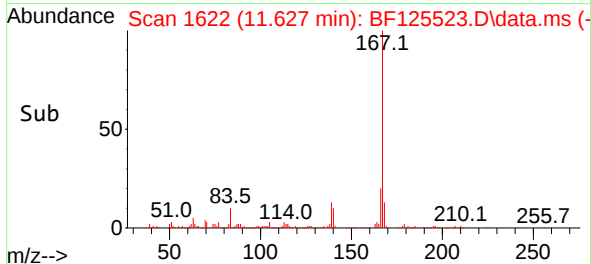
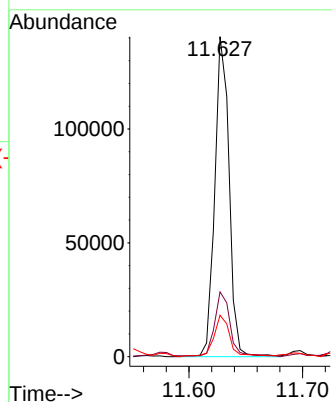
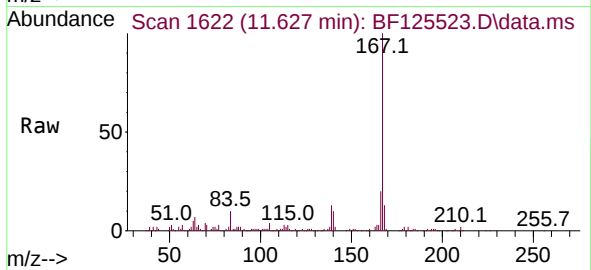




#73
 Carbazole
 Concen: 5.139 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24

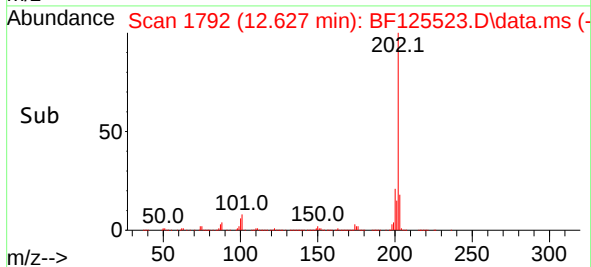
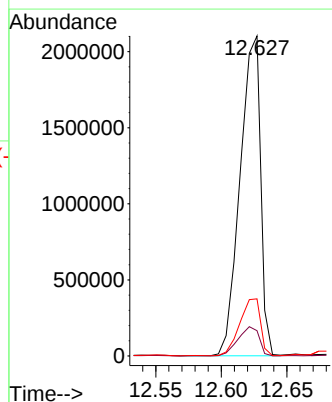
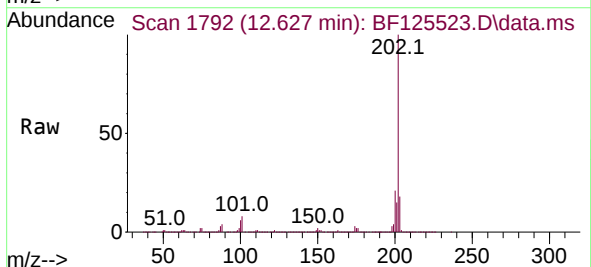
Instrument :
 BNA_F
 ClientSampleId :
 A010015

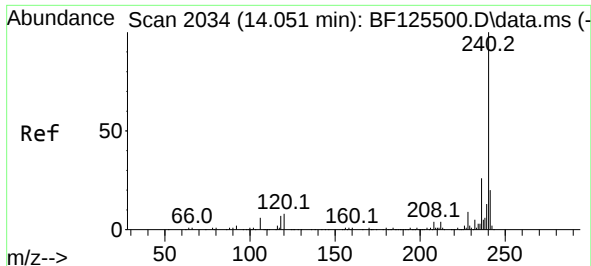
Tgt Ion:	167	Resp:	123331
Ion Ratio	Lower	Upper	
167	100		
166	20.3	17.4	26.0
139	12.9	11.0	16.4



#75
 Fluoranthene
 Concen: 81.960 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. 0.012 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24

Tgt Ion:	202	Resp:	2294112
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	30.7
203	17.9	0.0	36.3

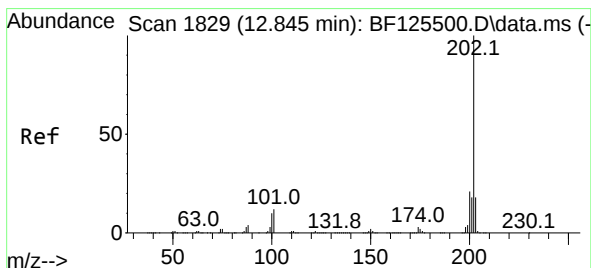
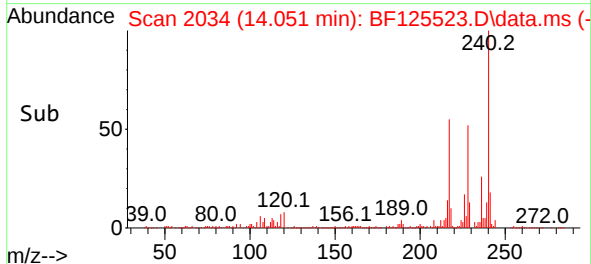
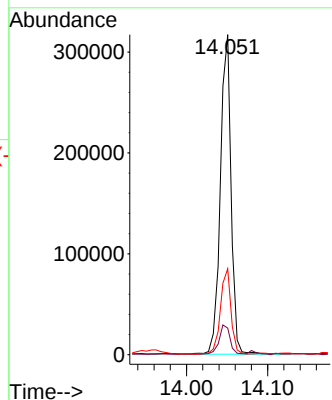
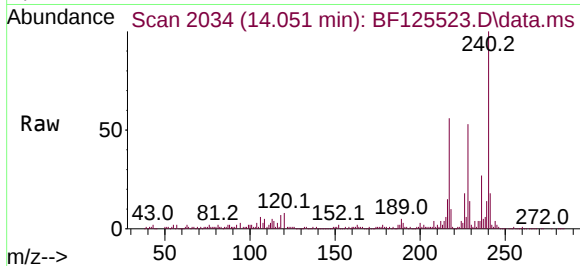




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

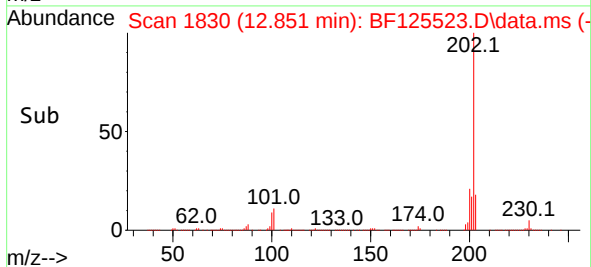
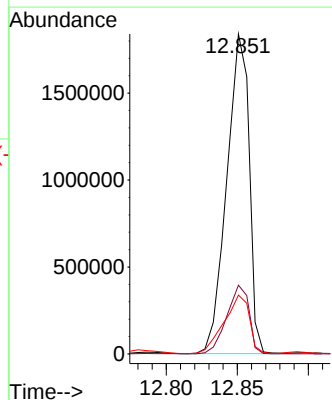
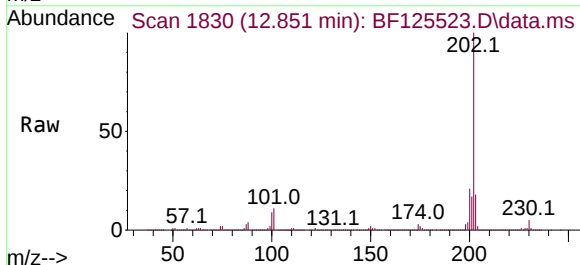
Instrument :
BNA_F
ClientSampleId :
A010015

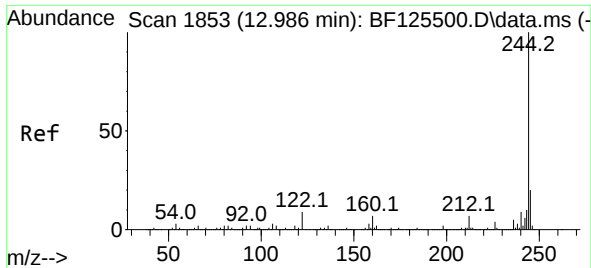
Tgt Ion:240 Resp: 291335
Ion Ratio Lower Upper
240 100
120 8.3 10.8 16.2#
236 26.8 21.6 32.4



#78
Pyrene
Concen: 83.811 ng
RT: 12.851 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

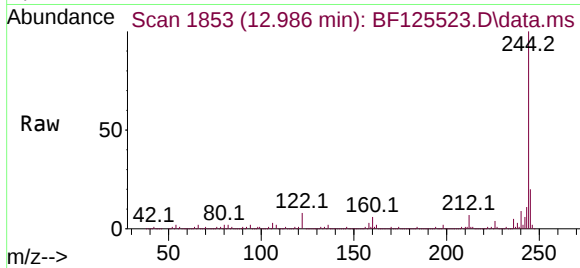
Tgt Ion:202 Resp: 2016837
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 18.4 13.4 20.0





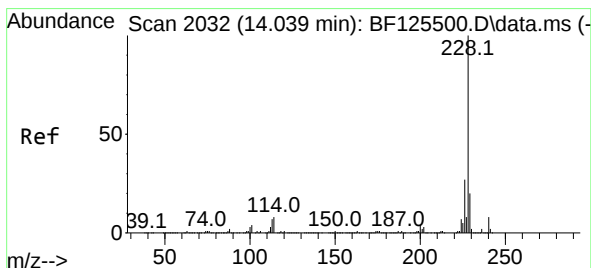
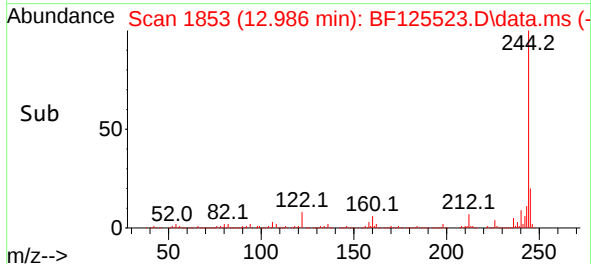
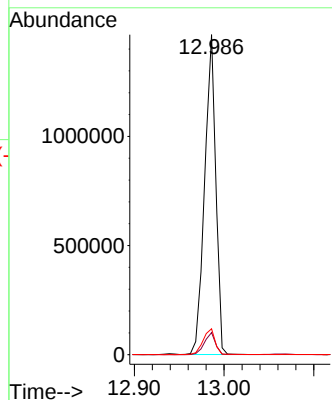
#79
 Terphenyl-d14
 Concen: 70.366 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24

Instrument :
 BNA_F
 ClientSampleId :
 A010015



Tgt Ion:244 Resp: 1264245

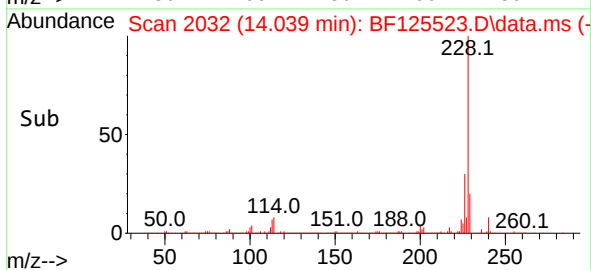
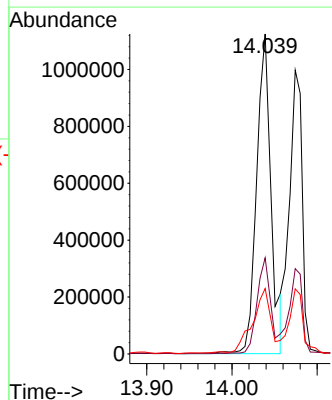
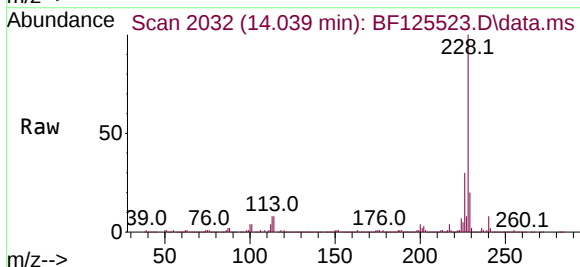
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	8.1	9.0	13.4#

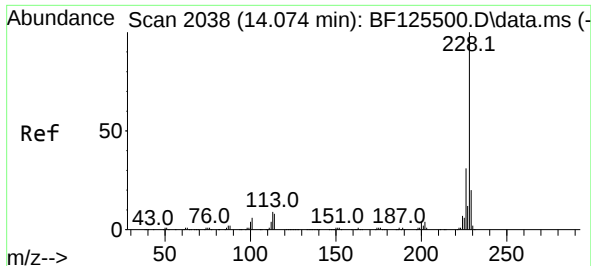


#81
 Benzo(a)anthracene
 Concen: 62.703 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF125523.D
 Acq: 16 Sep 2021 1:24

Tgt Ion:228 Resp: 1317479

Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.6	32.4
229	20.5	15.6	23.4

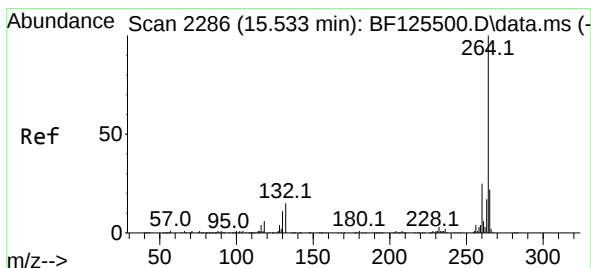
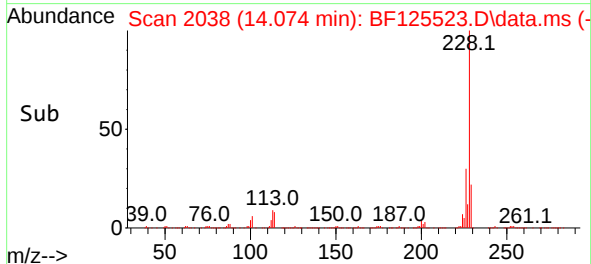
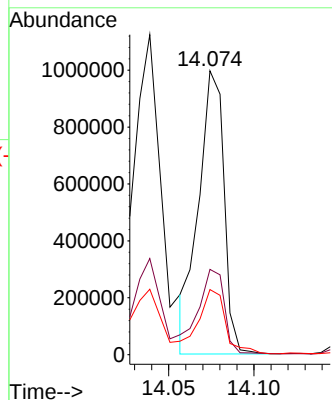
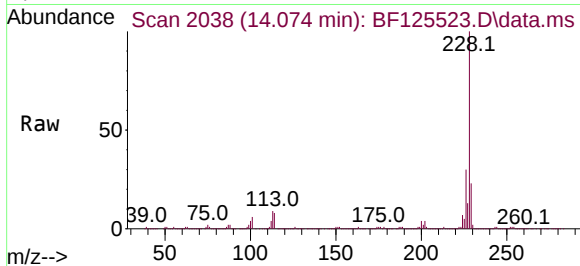




#83
Chrysene
Concen: 50.974 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

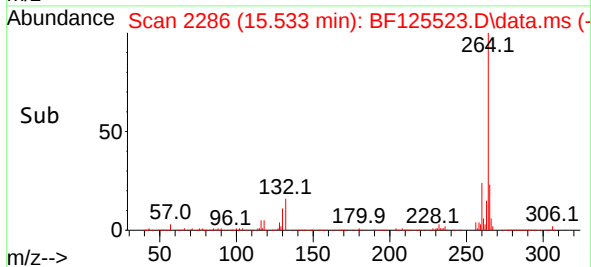
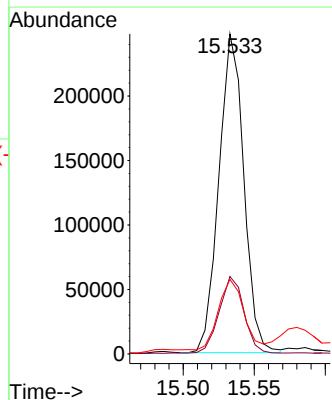
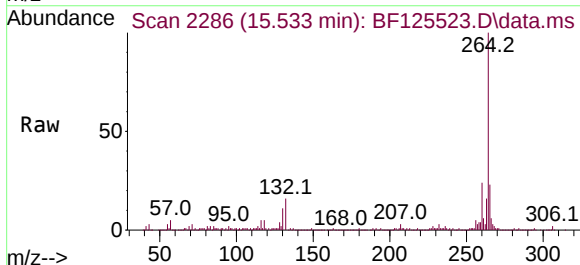
Instrument :
BNA_F
ClientSampleId :
A010015

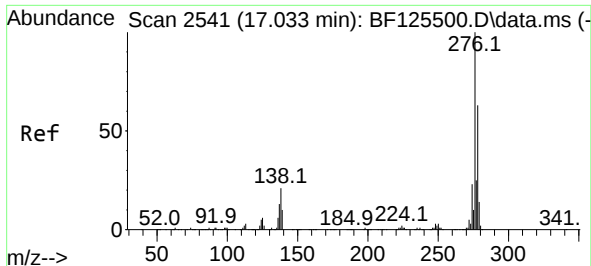
Tgt Ion:228 Resp: 1036609
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 22.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:264 Resp: 301658
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 23.3 17.2 25.8

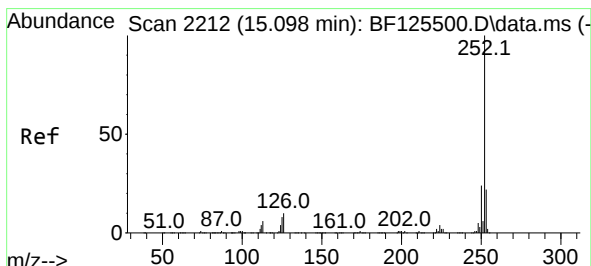
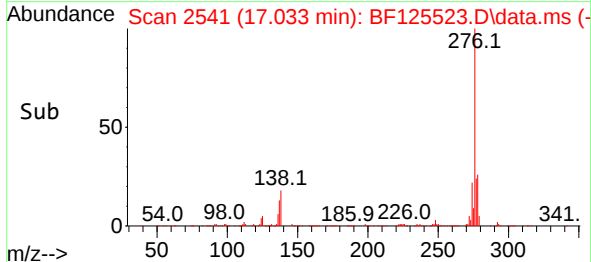
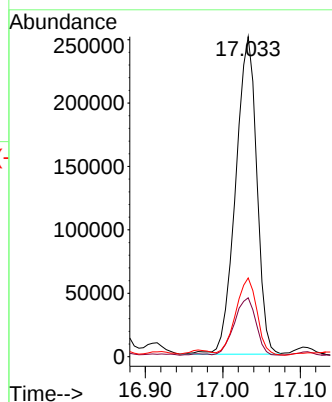
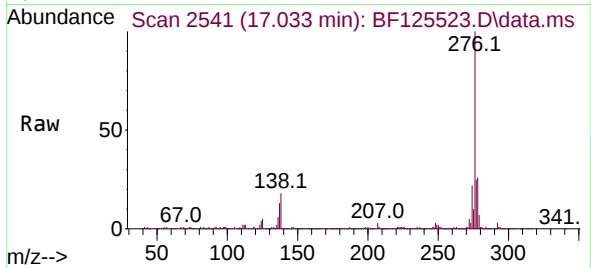




#87
Indeno(1,2,3-cd)pyrene
Concen: 24.285 ng
RT: 17.033 min Scan# 2541
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

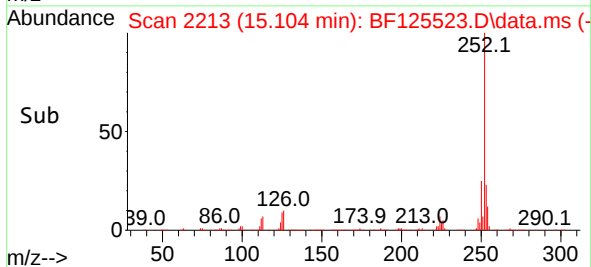
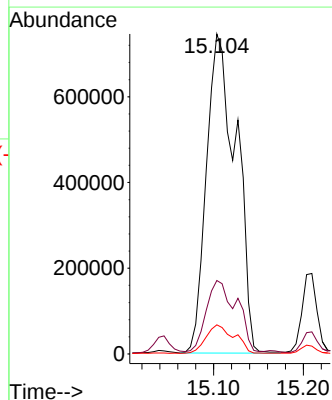
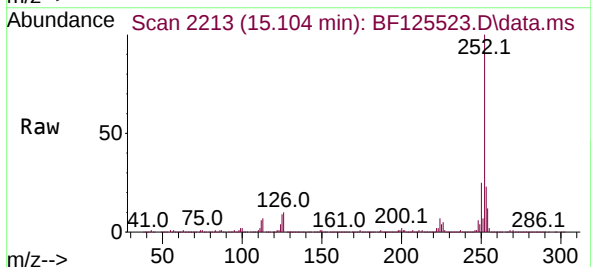
Instrument :
BNA_F
ClientSampleId :
A010015

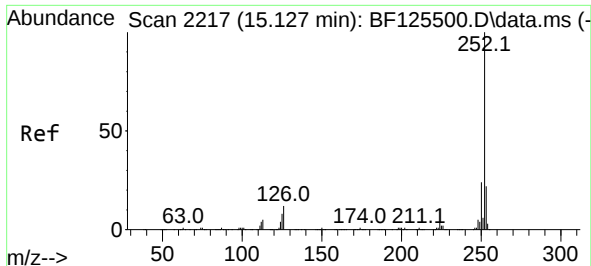
Tgt Ion:276 Resp: 475163
Ion Ratio Lower Upper
276 100
138 18.4 24.1 36.1#
277 24.4 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 75.009 ng
RT: 15.104 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:252 Resp: 1716136
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 9.1 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 81.514 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.024 min

Lab File: BF125523.D

Acq: 16 Sep 2021 1:24

Instrument :

BNA_F

ClientSampleId :

A010015

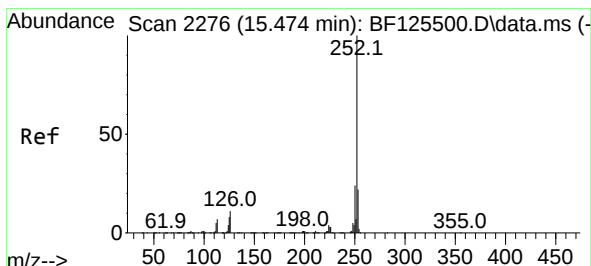
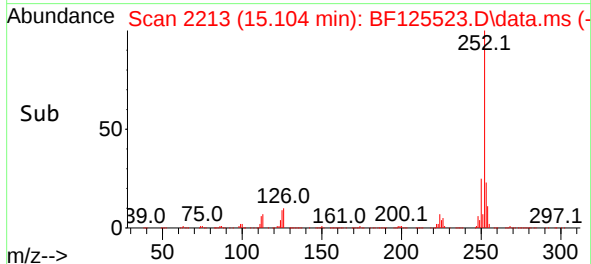
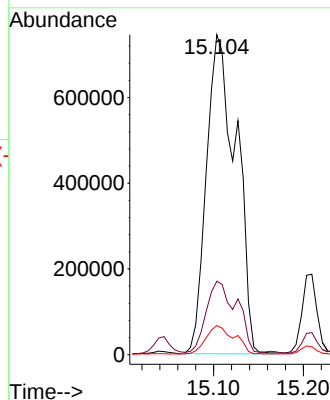
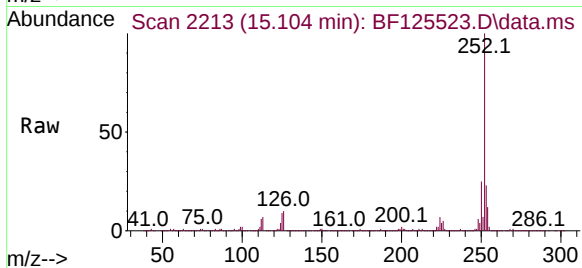
Tgt Ion:252 Resp: 1716136

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 9.1 7.2 10.8



#90

Benzo(a)pyrene

Concen: 31.367 ng

RT: 15.409 min Scan# 2265

Delta R.T. -0.065 min

Lab File: BF125523.D

Acq: 16 Sep 2021 1:24

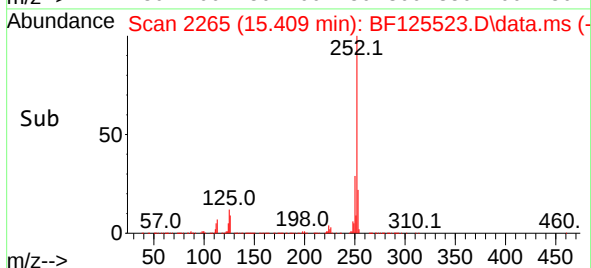
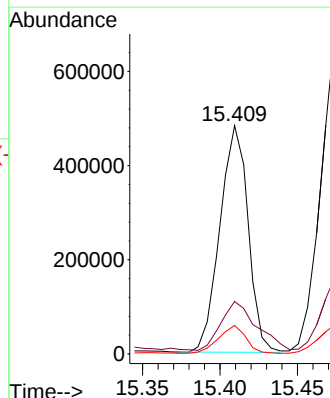
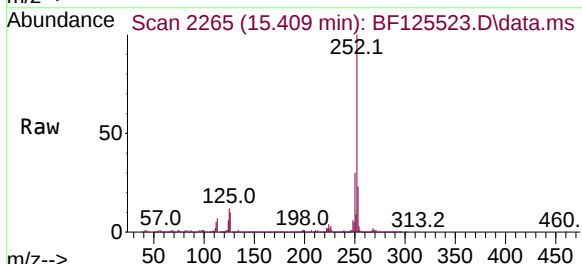
Tgt Ion:252 Resp: 608777

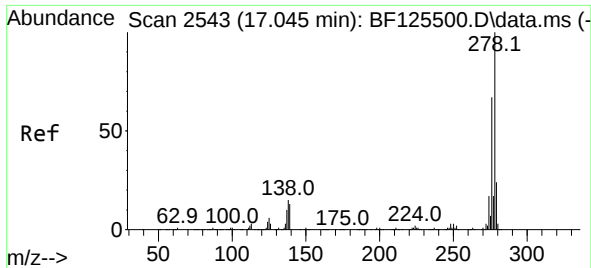
Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

125 12.5 9.9 14.9

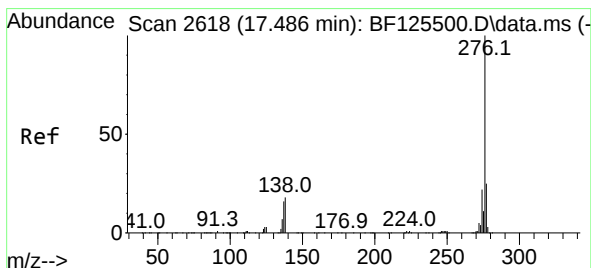
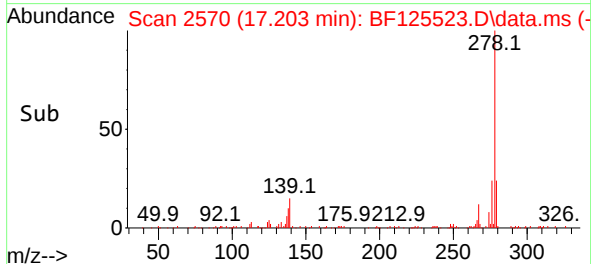
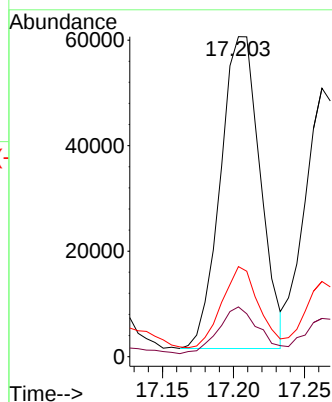
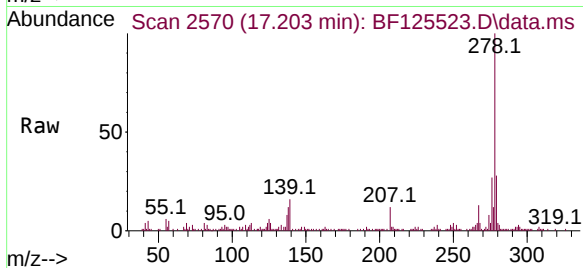




#91
Dibenzo(a,h)anthracene
Concen: 6.925 ng
RT: 17.203 min Scan# 2570
Delta R.T. 0.159 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Instrument :
BNA_F
ClientSampleId :
A010015

Tgt Ion:278 Resp: 115534
Ion Ratio Lower Upper
278 100
139 15.5 14.9 22.3
279 28.1 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 24.566 ng
RT: 17.486 min Scan# 2618
Delta R.T. -0.000 min
Lab File: BF125523.D
Acq: 16 Sep 2021 1:24

Tgt Ion:276 Resp: 403067
Ion Ratio Lower Upper
276 100
277 23.2 22.0 33.0
138 17.8 22.2 33.4#

