

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
 Data File : BF125175.D
 Acq On : 24 Aug 2021 2:06
 Operator : JU/CG
 Sample : M3513-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082121

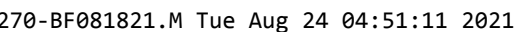
Quant Time: Aug 24 04:51:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 10:15:49 2021
 Response via : Initial Calibration

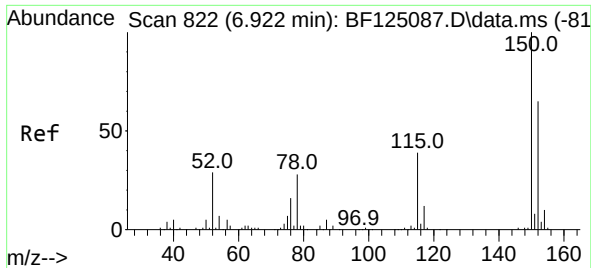
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	166373	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	606875	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	287305	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	510646	20.000	ng	0.00
76) Chrysene-d12	14.098	240	342517	20.000	ng	# 0.00
86) Perylene-d12	15.603	264	269084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	449023	40.850	ng	0.00
7) Phenol-d6	6.539	99	556843	39.170	ng	0.00
23) Nitrobenzene-d5	7.480	82	357787	29.681	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	135407	47.214	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	615048	29.836	ng	0.00
79) Terphenyl-d14	13.039	244	640123	29.773	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.480	70	48794	5.706	ng	# 60
25) Isophorone	7.480	82	357785	15.385	ng	# 59
38) 1-Methylnaphthalene	9.016	142	45872	2.392	ng	92
49) Acenaphthylene	9.822	152	106173	3.871	ng	97
51) 2,6-Dinitrotoluene	9.963	165	40931	9.481	ng	# 28
52) Acenaphthene	9.992	154	49512	2.912	ng	96
58) Fluorene	10.510	166	69088	3.819	ng	99
71) Phenanthrene	11.480	178	1439393	51.157	ng	97
72) Anthracene	11.527	178	206407	7.443	ng	99
73) Carbazole	11.680	167	98246	3.877	ng	99
75) Fluoranthene	12.674	202	2497908	89.471	ng	97
78) Pyrene	12.910	202	2951343	100.450	ng	94
81) Benzo(a)anthracene	14.092	228	1196747	48.493	ng	94
83) Chrysene	14.127	228	1255563	51.445	ng	95
87) Indeno(1,2,3-cd)pyrene	17.121	276	555382	28.650	ng	# 87
88) Benzo(b)fluoranthene	15.162	252	1639939	83.420	ng	# 94
89) Benzo(k)fluoranthene	15.162	252	1639939	89.397	ng	99
90) Benzo(a)pyrene	15.474	252	678775	39.088	ng	99
91) Dibenzo(a,h)anthracene	17.303	278	94592	5.645	ng	94
92) Benzo(g,h,i)perylene	17.592	276	585548	36.241	ng	# 88

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

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QLast Update : Mon Aug 23 10:15:49 2021
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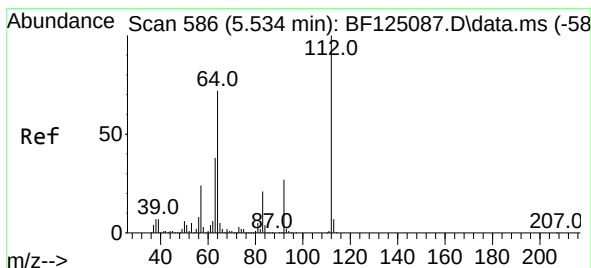
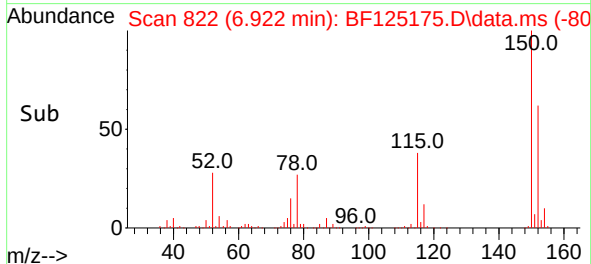
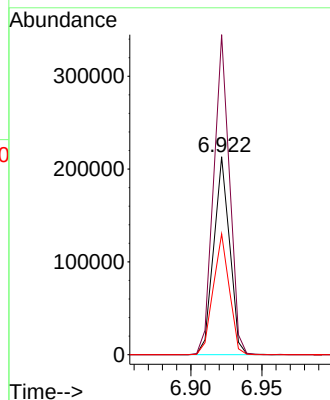
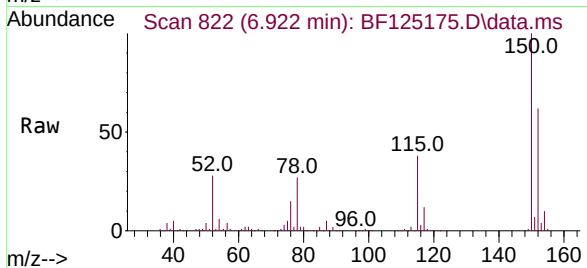




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 822
Delta R.T. -0.006 min
Lab File: BF125175.D
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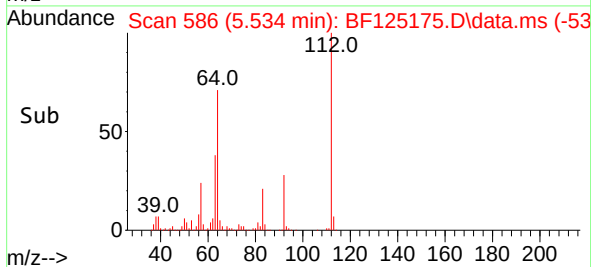
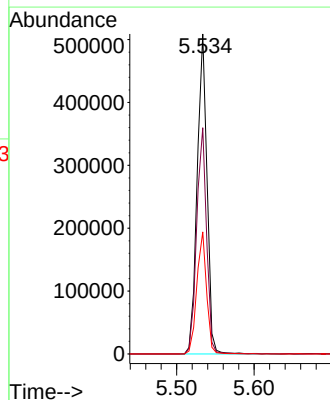
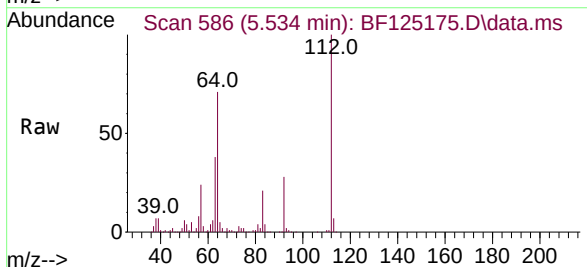
Instrument :
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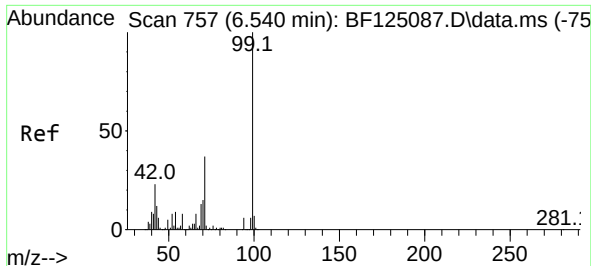
Tgt Ion:152 Resp: 166373
Ion Ratio Lower Upper
152 100
150 161.7 117.6 176.4
115 61.1 47.1 70.7



#5
2-Fluorophenol
Concen: 40.850 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:112 Resp: 449023
Ion Ratio Lower Upper
112 100
64 70.7 44.2 66.2#
63 38.2 26.2 39.2

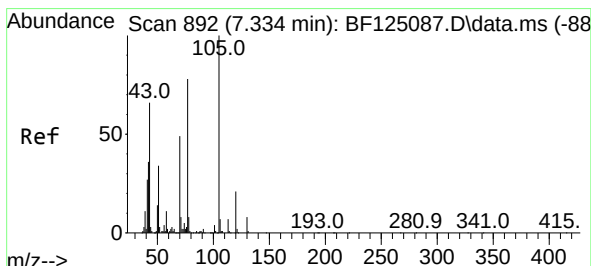
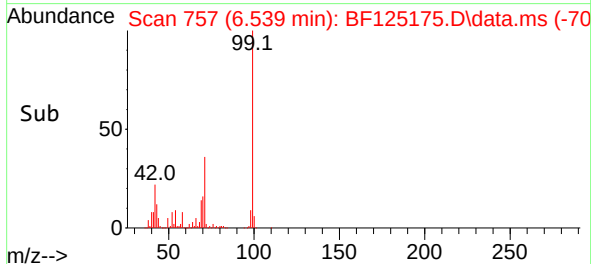
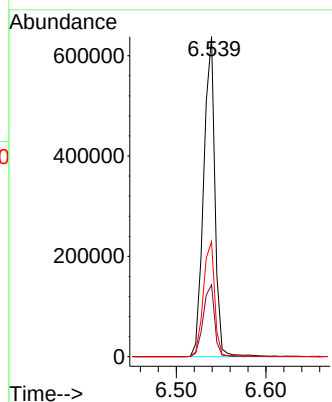
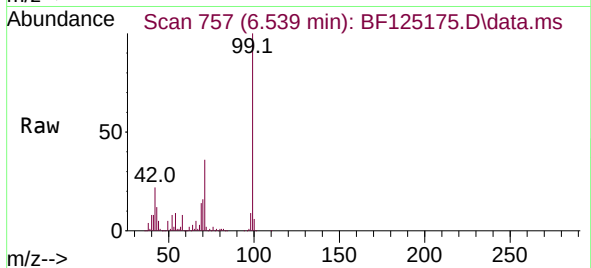




#7
Phenol-d6
Concen: 39.170 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

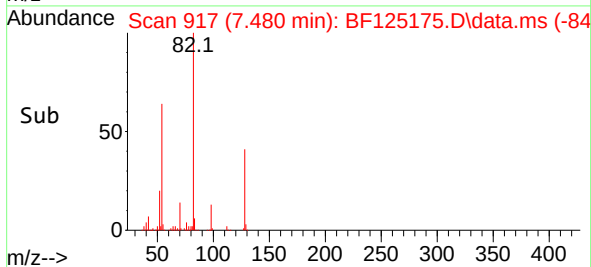
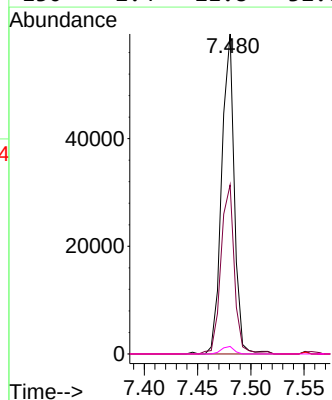
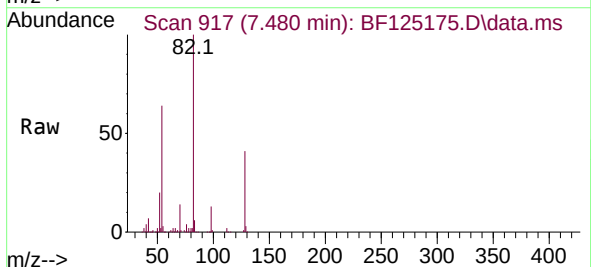
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ClientSampleId :
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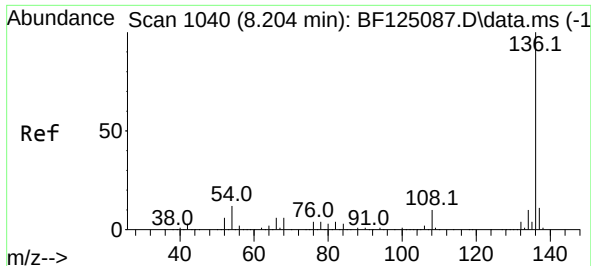
Tgt Ion: 99 Resp: 556843
Ion Ratio Lower Upper
99 100
42 22.5 23.5 35.3#
71 36.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.706 ng
RT: 7.480 min Scan# 917
Delta R.T. 0.141 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion: 70 Resp: 48794
Ion Ratio Lower Upper
70 100
42 52.8 72.2 108.2#
101 0.0 7.8 11.8#
130 2.4 21.8 32.6#

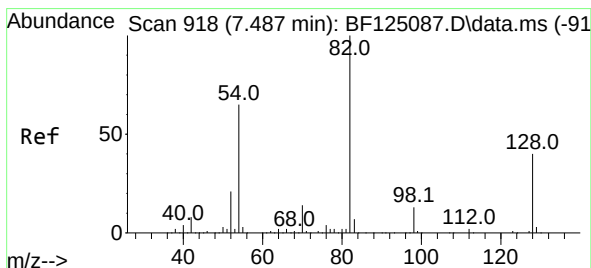
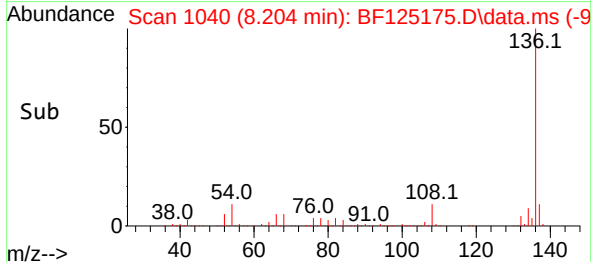
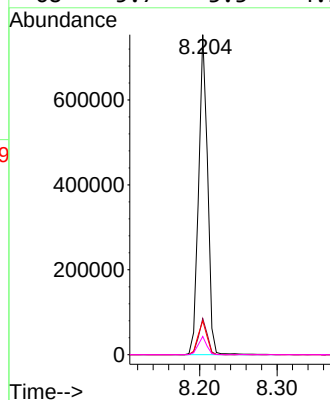
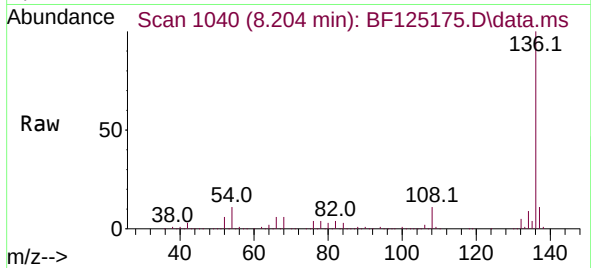




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

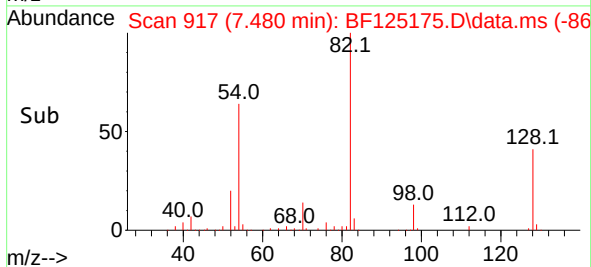
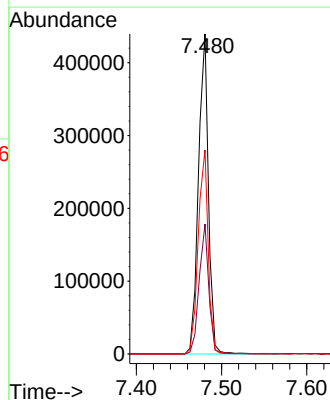
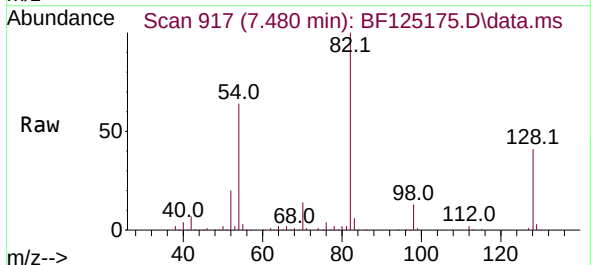
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BNA_F
ClientSampleId :
TR-04-082121

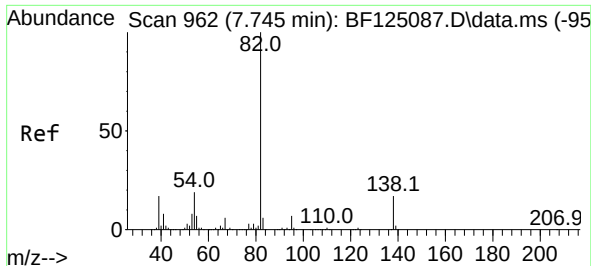
Tgt Ion:	136	Resp:	606875
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.8	14.6
54	10.6	6.4	9.6#
68	5.7	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 29.681 ng
RT: 7.480 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:	82	Resp:	357787
Ion Ratio	Lower	Upper	
82	100		
128	40.6	40.6	60.8
54	63.7	49.6	74.4

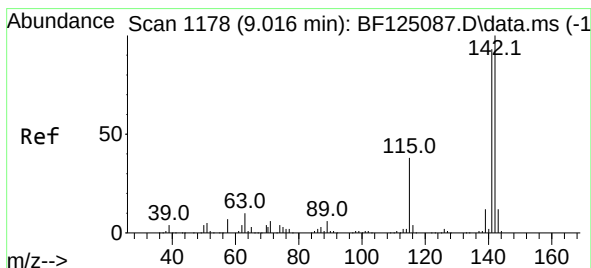
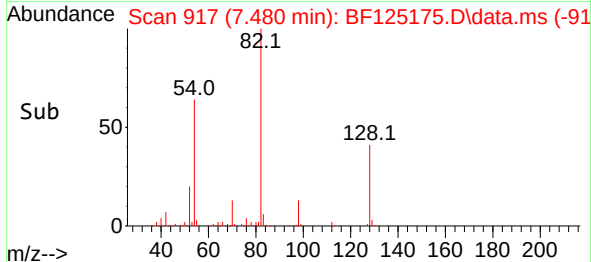
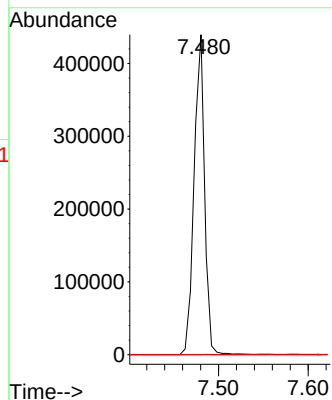
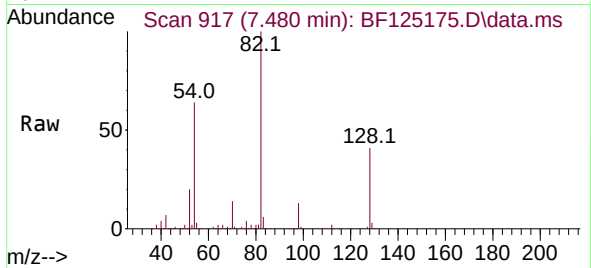




#25
Isophorone
Concen: 15.385 ng
RT: 7.480 min Scan# 917
Delta R.T. -0.265 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

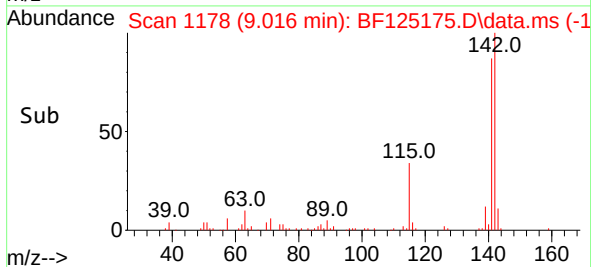
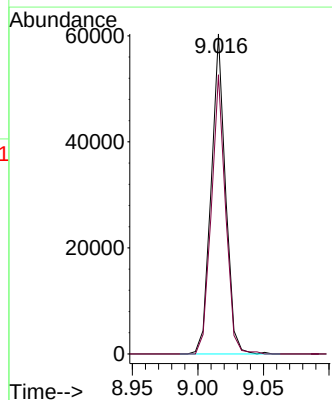
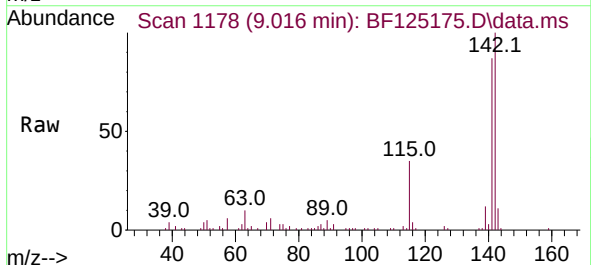
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ClientSampleId :
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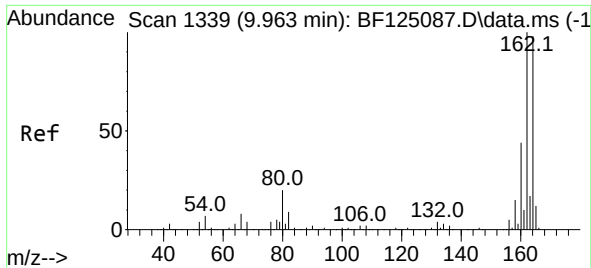
Tgt Ion: 82 Resp: 357785
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#38
1-Methylnaphthalene
Concen: 2.392 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion: 142 Resp: 45872
Ion Ratio Lower Upper
142 100
141 87.2 76.0 114.0

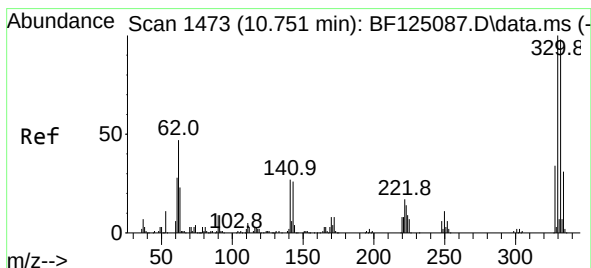
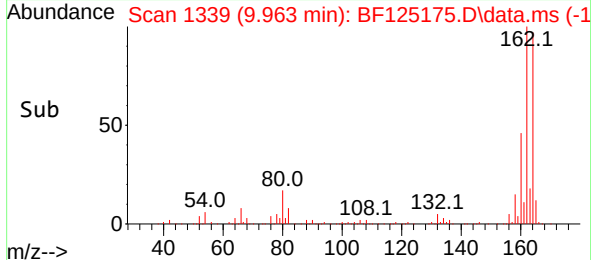
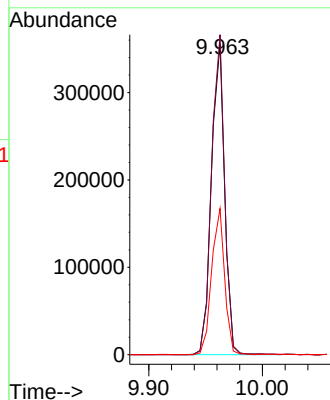
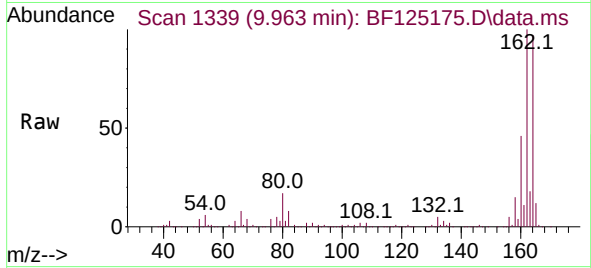




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

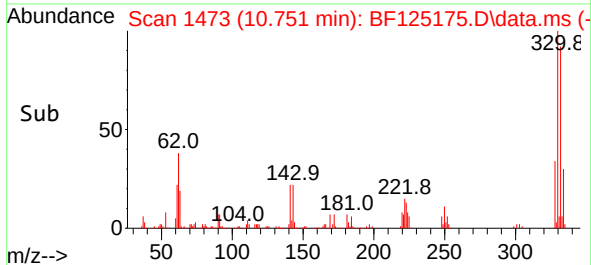
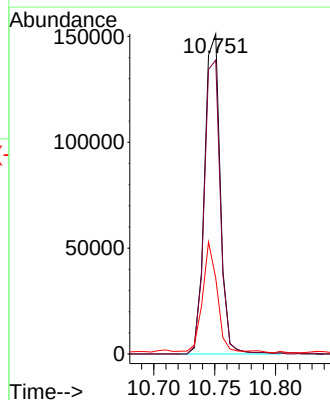
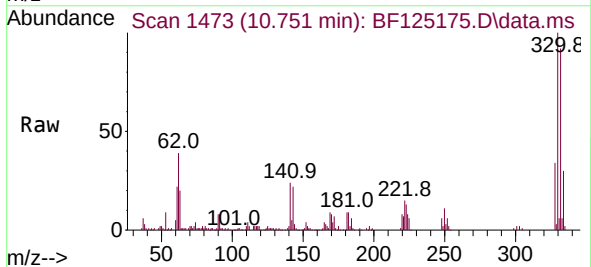
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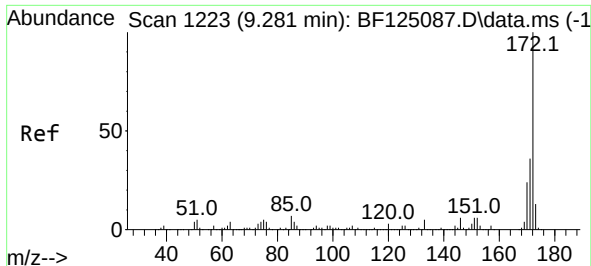
Tgt Ion:	164	Resp:	287305
Ion Ratio	Lower	Upper	
164	100		
162	102.9	81.3	121.9
160	47.0	38.0	57.0



#42
2,4,6-Tribromophenol
Concen: 47.214 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:	330	Resp:	135407
Ion Ratio	Lower	Upper	
330	100		
332	94.3	76.2	114.4
141	33.6	44.6	66.8#

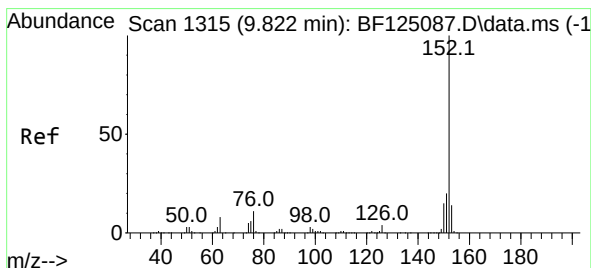
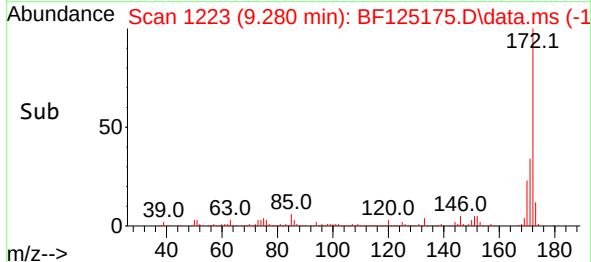
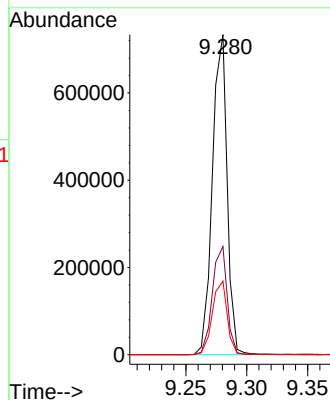
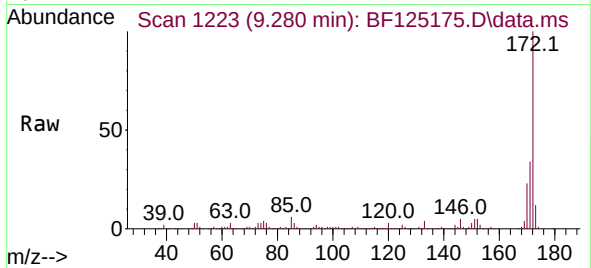




#45
2-Fluorobiphenyl
Concen: 29.836 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

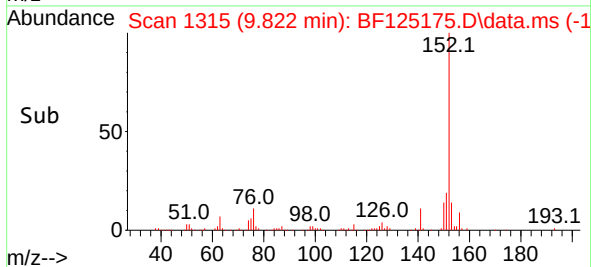
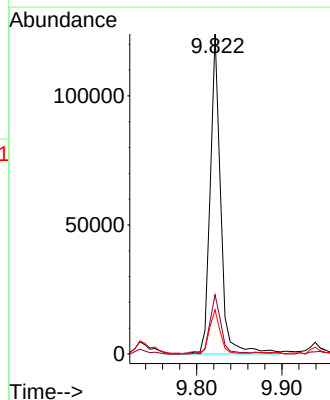
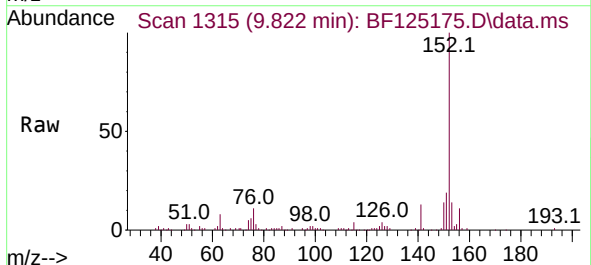
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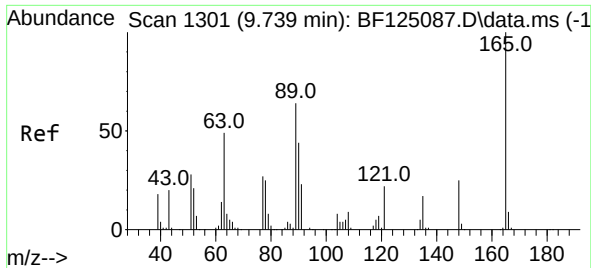
Tgt Ion:172 Resp: 615048
Ion Ratio Lower Upper
172 100
171 33.8 26.5 39.7
170 23.0 18.8 28.2



#49
Acenaphthylene
Concen: 3.871 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:152 Resp: 106173
Ion Ratio Lower Upper
152 100
151 18.5 15.7 23.5
153 13.8 9.8 14.8

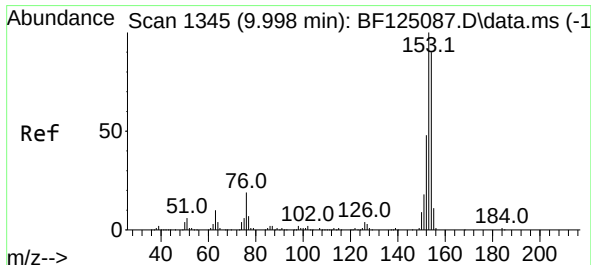
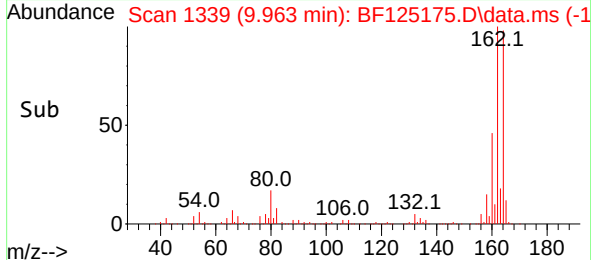
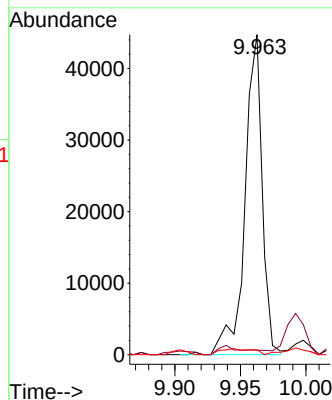
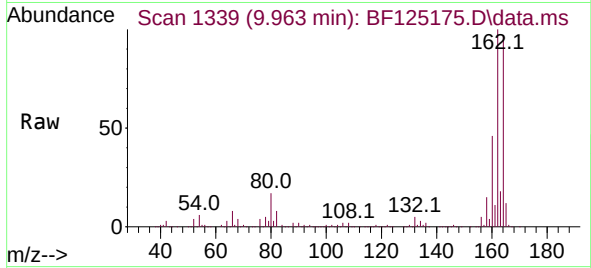




#51
2,6-Dinitrotoluene
Concen: 9.481 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.218 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

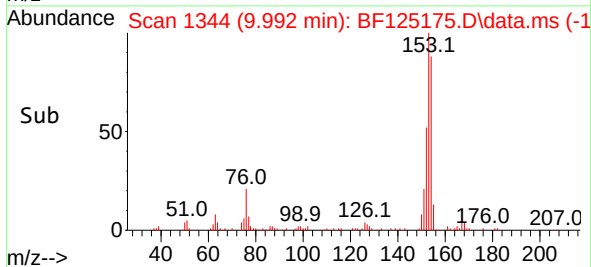
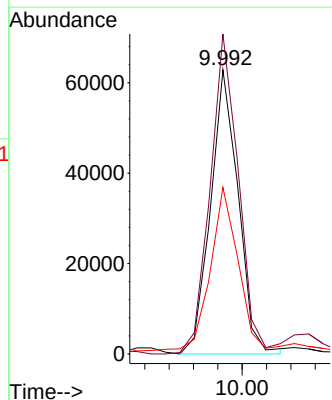
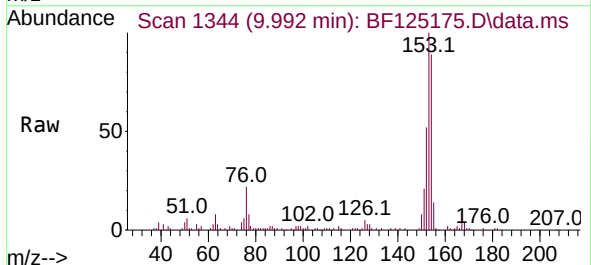
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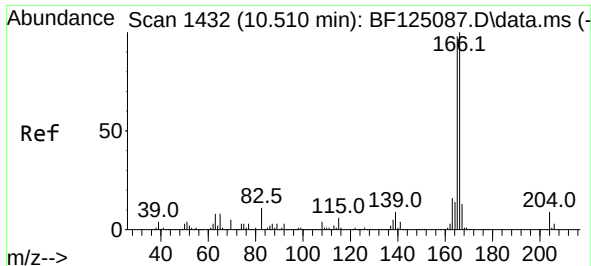
Tgt Ion:165 Resp: 40931
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 1.6 40.6 60.8#



#52
Acenaphthene
Concen: 2.912 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:154 Resp: 49512
Ion Ratio Lower Upper
154 100
153 112.6 89.4 134.2
152 58.6 40.5 60.7

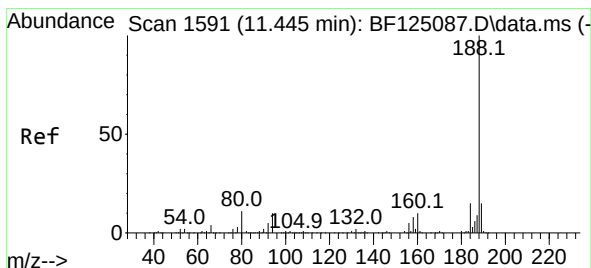
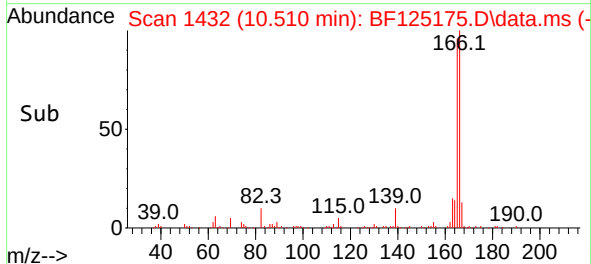
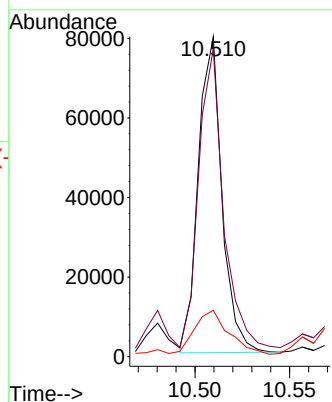
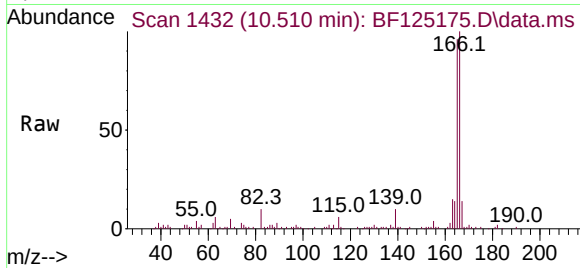




#58
Fluorene
Concen: 3.819 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

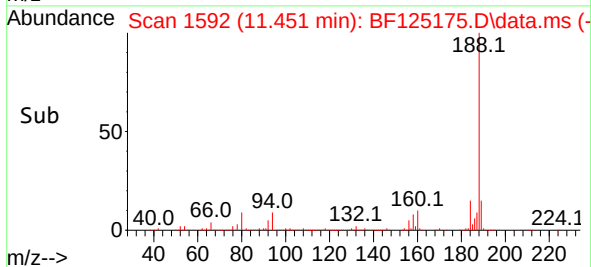
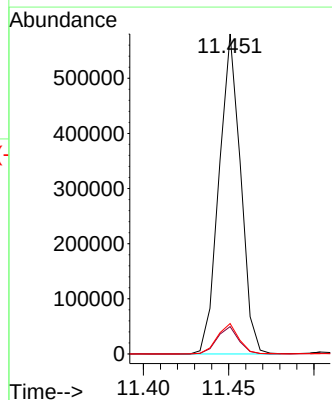
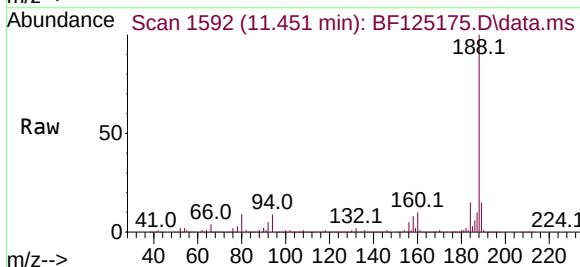
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

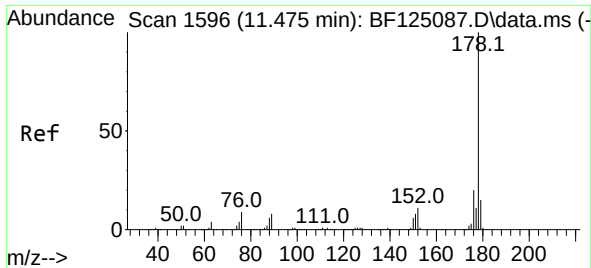
Tgt Ion:166 Resp: 69088
Ion Ratio Lower Upper
166 100
165 96.3 78.1 117.1
167 14.5 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:188 Resp: 510646
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.5 7.5 11.3

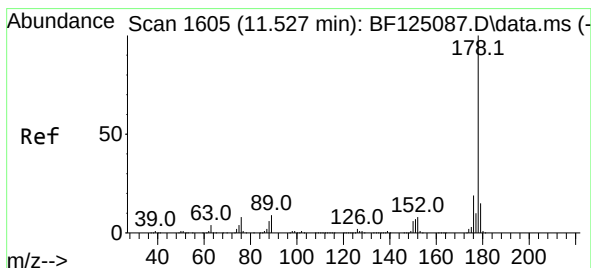
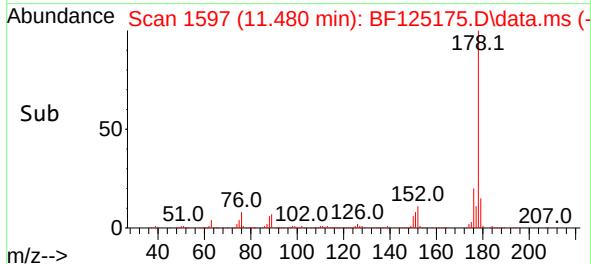
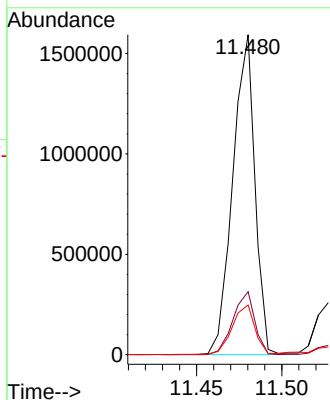
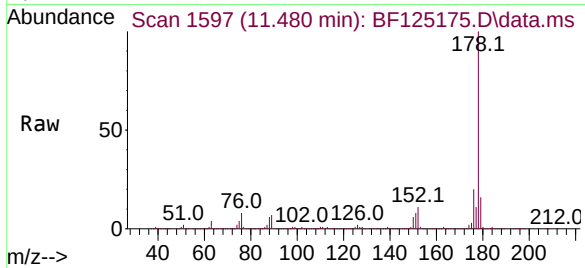




#71
Phenanthrene
Concen: 51.157 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

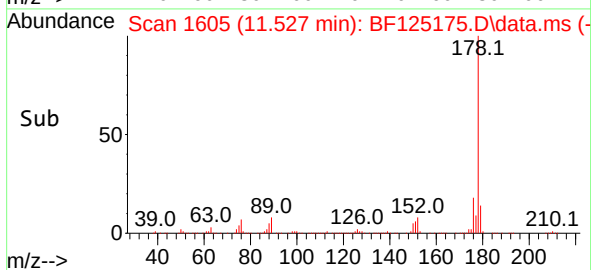
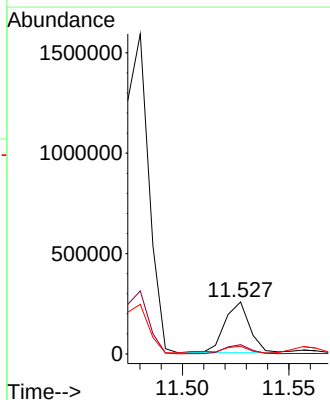
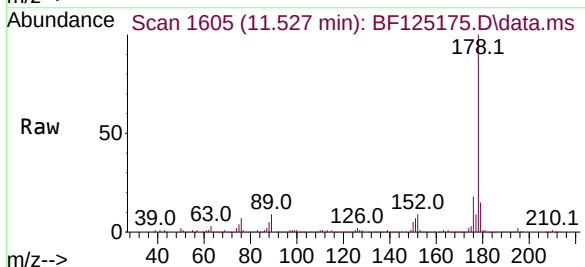
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

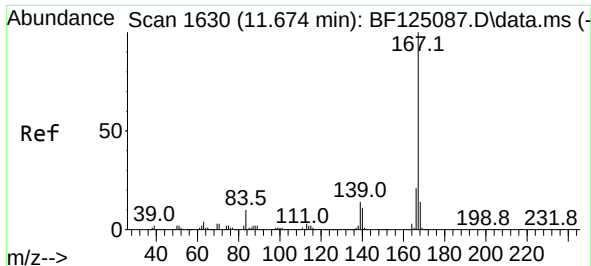
Tgt Ion:178 Resp: 1439393
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.5 11.5 17.3



#72
Anthracene
Concen: 7.443 ng
RT: 11.527 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:178 Resp: 206407
Ion Ratio Lower Upper
178 100
176 17.9 14.3 21.5
179 14.7 12.2 18.4

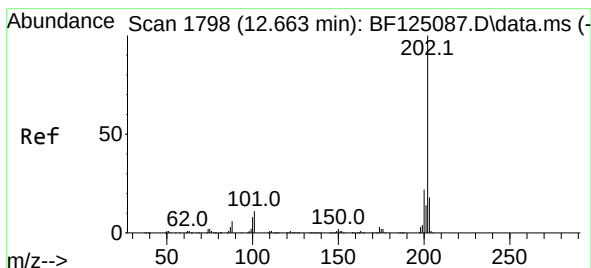
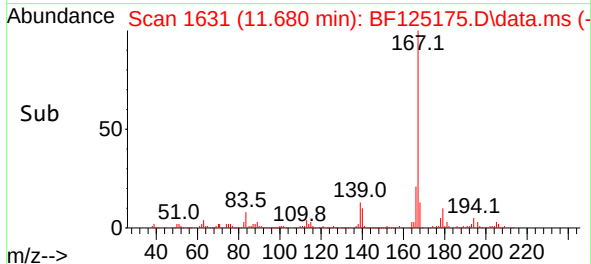
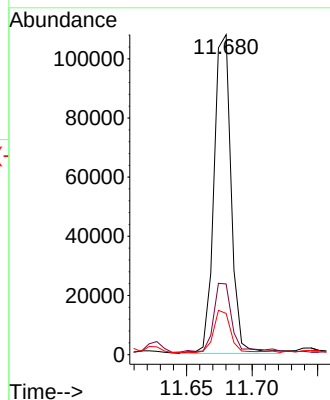
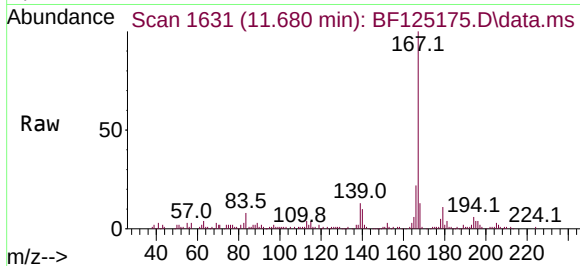




#73
Carbazole
Concen: 3.877 ng
RT: 11.680 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

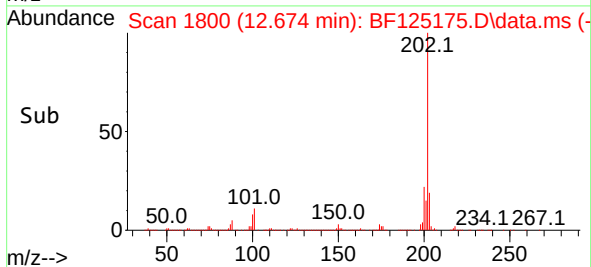
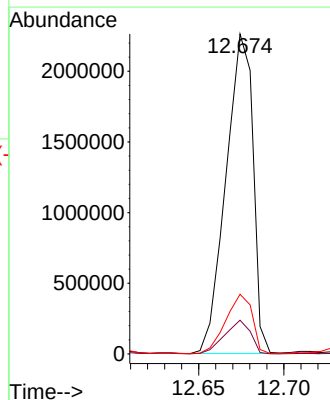
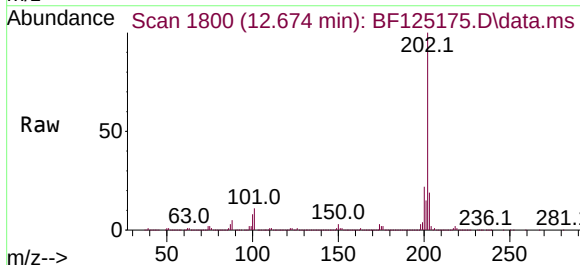
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

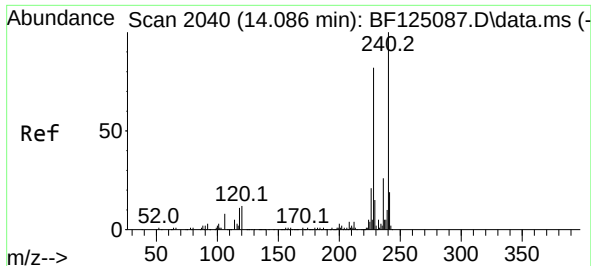
Tgt Ion:167 Resp: 98246
Ion Ratio Lower Upper
167 100
166 22.1 17.4 26.0
139 12.9 11.0 16.4



#75
Fluoranthene
Concen: 89.471 ng
RT: 12.674 min Scan# 1800
Delta R.T. 0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:202 Resp: 2497908
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.7
203 18.7 0.0 36.3

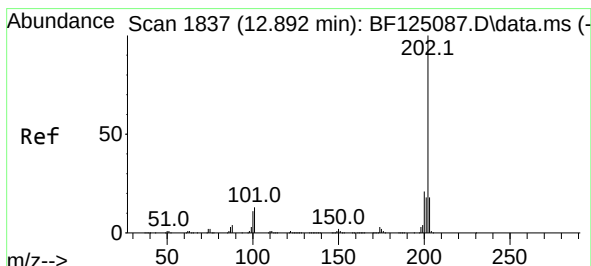
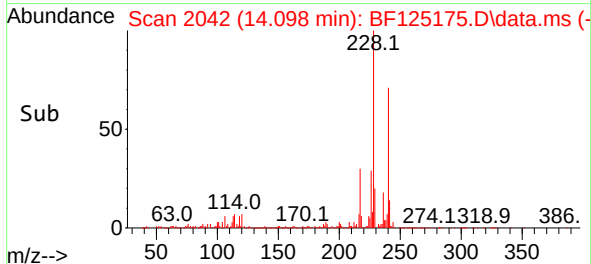
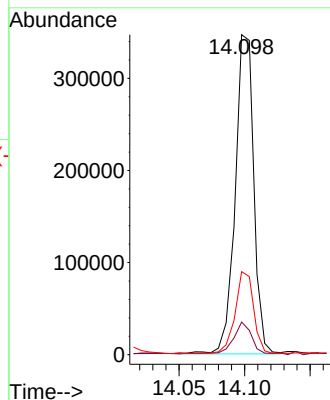
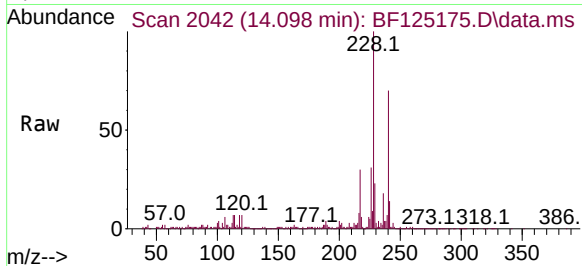




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

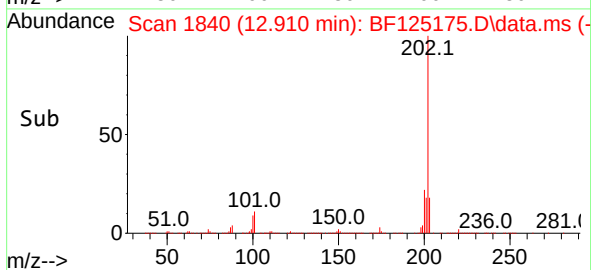
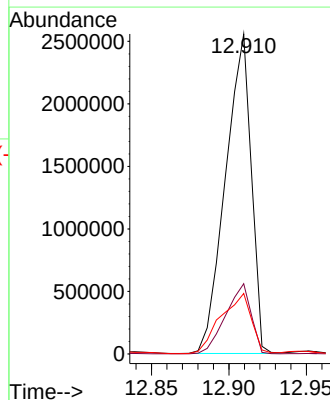
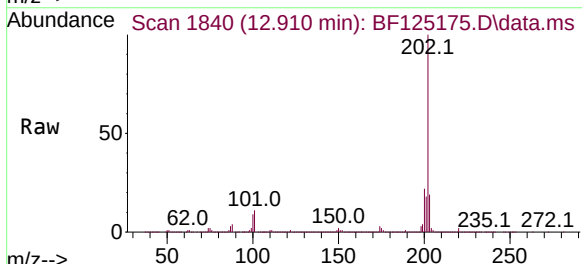
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

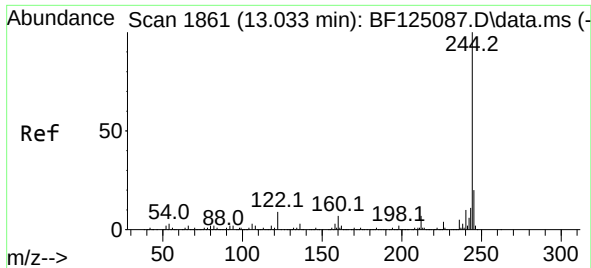
Tgt Ion:240 Resp: 342517
Ion Ratio Lower Upper
240 100
120 10.2 10.8 16.2#
236 25.9 21.6 32.4



#78
Pyrene
Concen: 100.450 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.012 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:202 Resp: 2951343
Ion Ratio Lower Upper
202 100
200 22.0 15.3 22.9
203 18.9 13.4 20.0

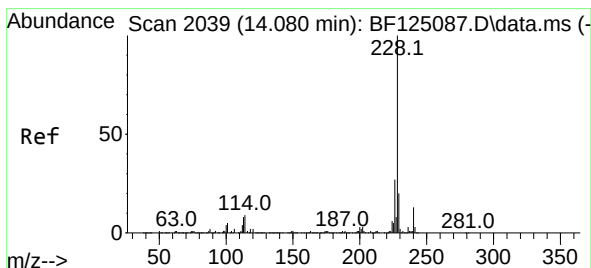
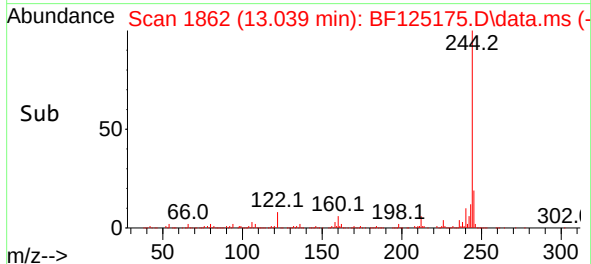
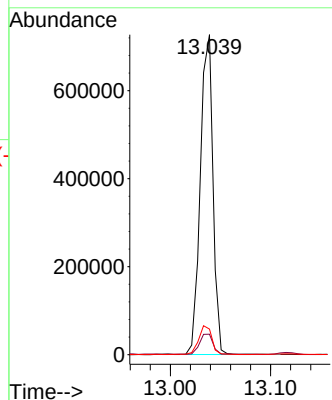
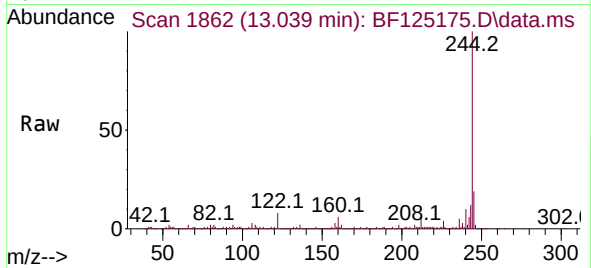




#79
Terphenyl-d14
Concen: 29.773 ng
RT: 13.039 min Scan# 1862
Delta R.T. 0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

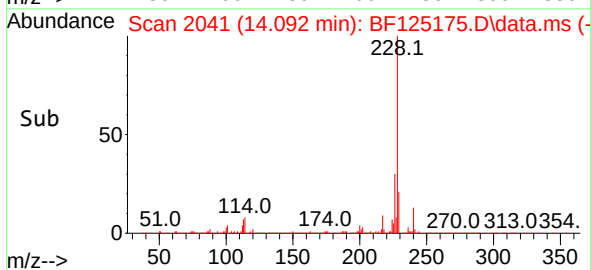
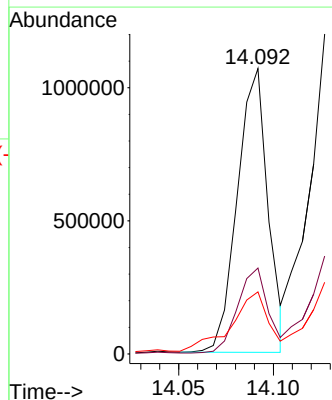
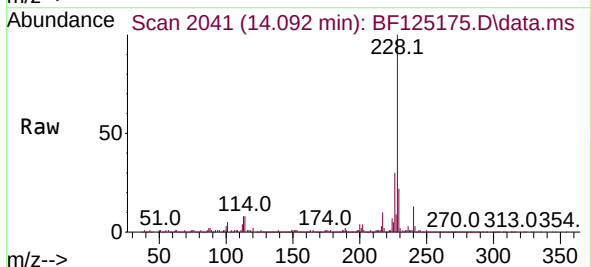
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

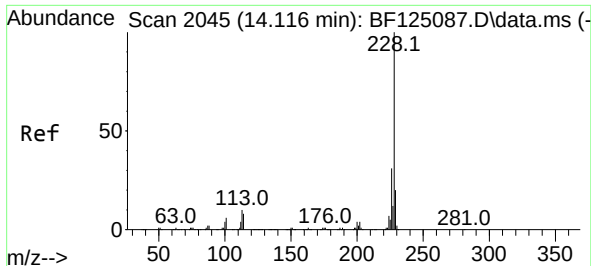
Tgt Ion:244 Resp: 640123
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 8.0 9.0 13.4#



#81
Benzo(a)anthracene
Concen: 48.493 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:228 Resp: 1196747
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 21.8 15.6 23.4

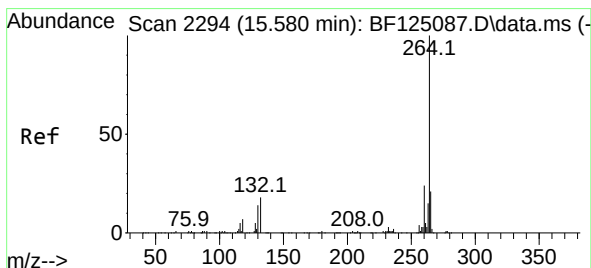
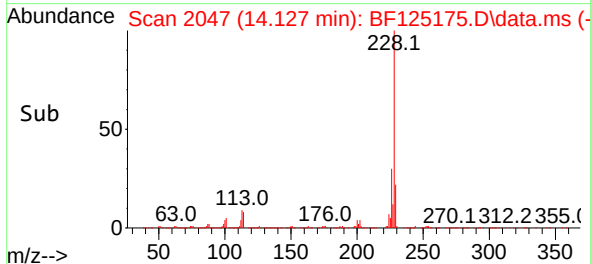
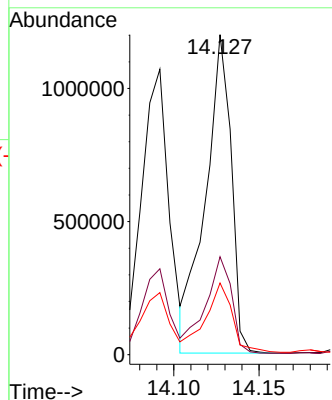
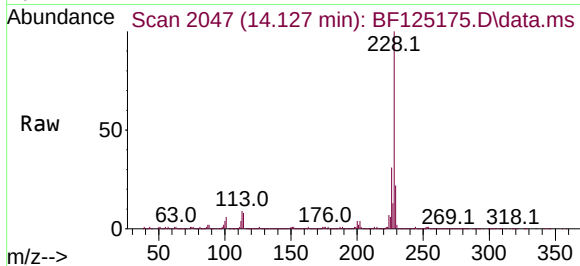




#83
Chrysene
Concen: 51.445 ng
RT: 14.127 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

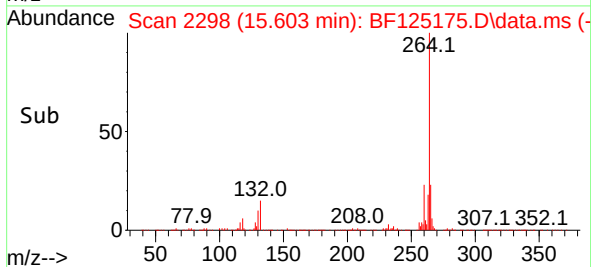
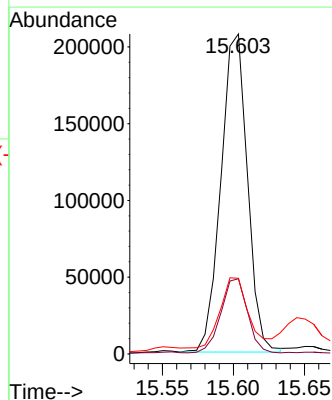
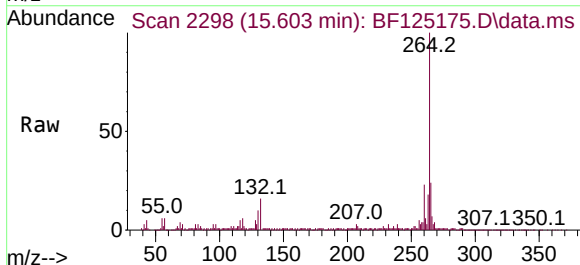
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

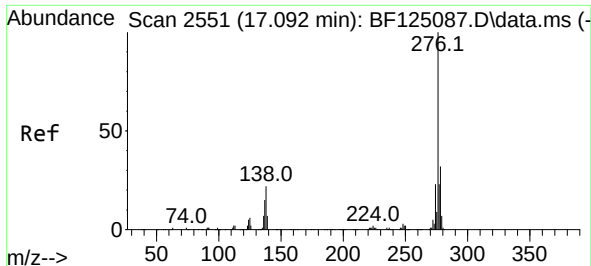
Tgt Ion:228 Resp: 1255563
Ion Ratio Lower Upper
228 100
226 30.6 22.6 34.0
229 22.4 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.603 min Scan# 2298
Delta R.T. 0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:264 Resp: 269084
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 23.7 17.2 25.8

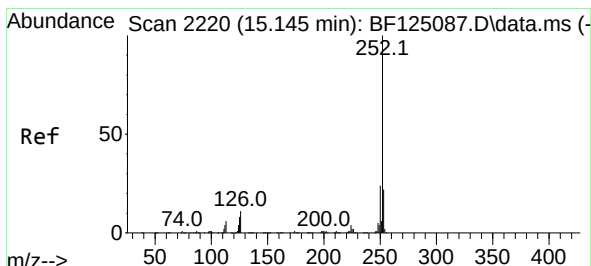
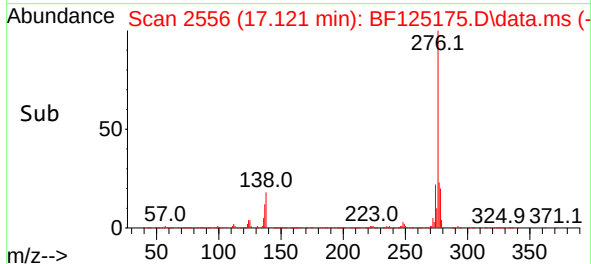
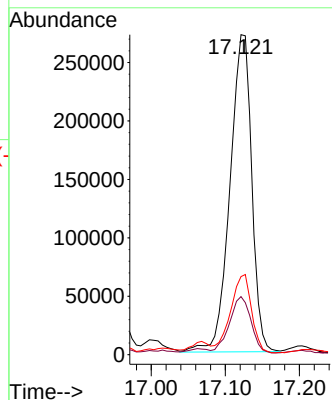
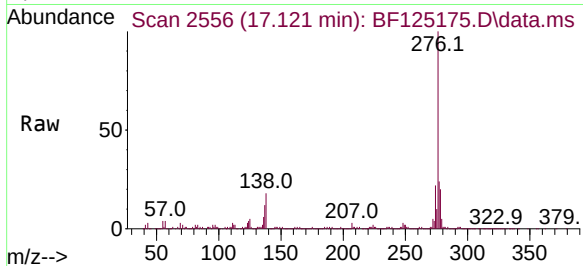




#87
Indeno(1,2,3-cd)pyrene
Concen: 28.650 ng
RT: 17.121 min Scan# 2556
Delta R.T. 0.000 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

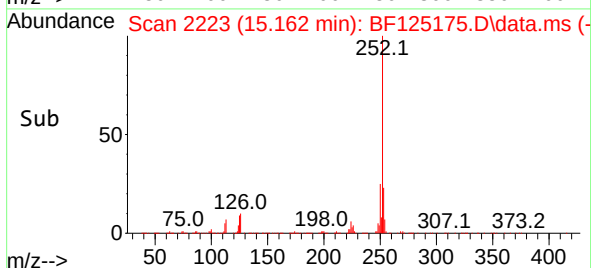
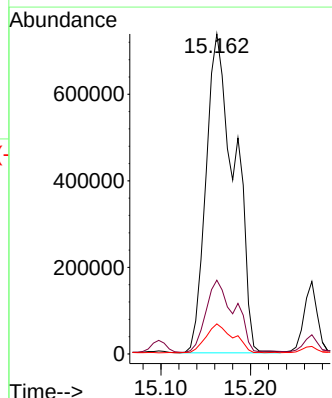
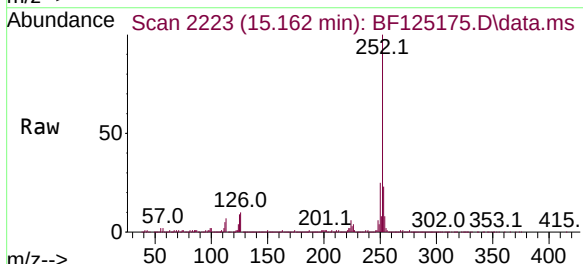
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

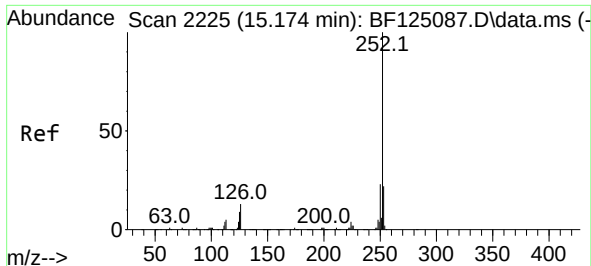
Tgt Ion:276 Resp: 555382
Ion Ratio Lower Upper
276 100
138 17.5 24.1 36.1#
277 23.8 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 83.420 ng
RT: 15.162 min Scan# 2223
Delta R.T. 0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:252 Resp: 1639939
Ion Ratio Lower Upper
252 100
253 23.1 16.8 25.2
125 9.4 9.8 14.8#

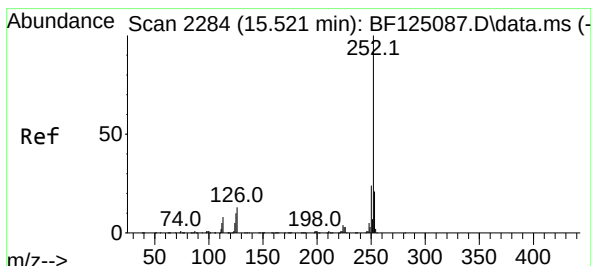
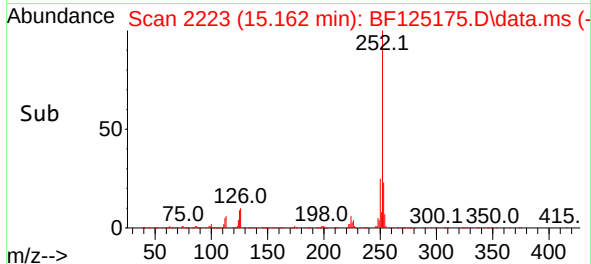
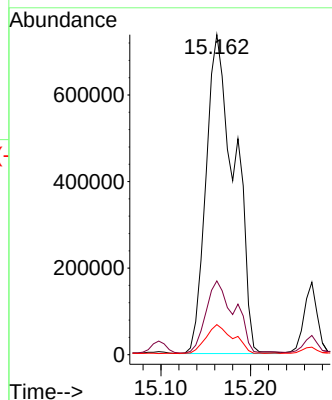
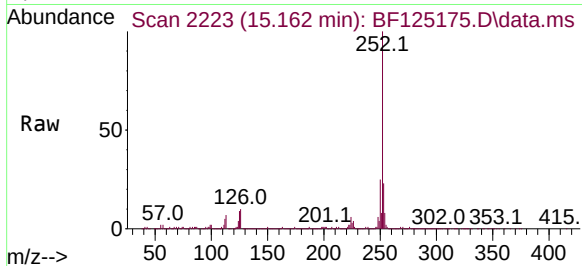




#89
Benzo(k)fluoranthene
Concen: 89.397 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.024 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

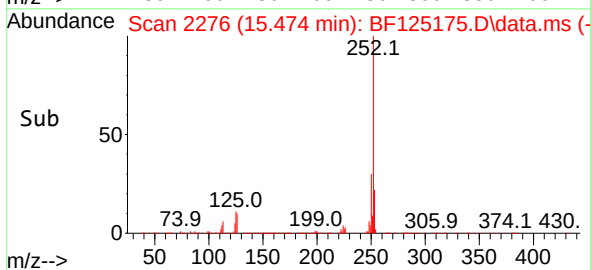
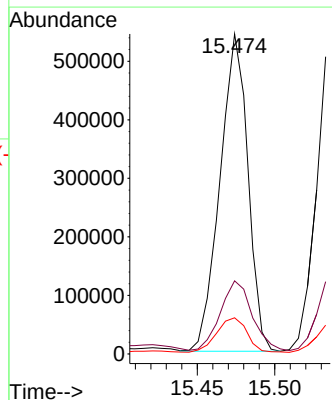
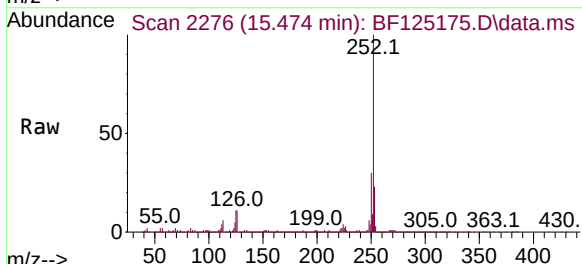
Instrument :
BNA_F
ClientSampleId :
TR-04-082121

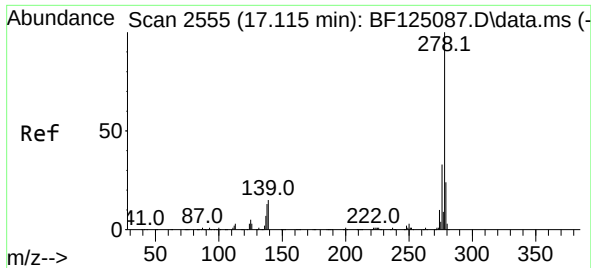
Tgt Ion:252 Resp: 1639939
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 9.4 7.2 10.8



#90
Benzo(a)pyrene
Concen: 39.088 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.059 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:252 Resp: 678775
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 11.3 9.9 14.9

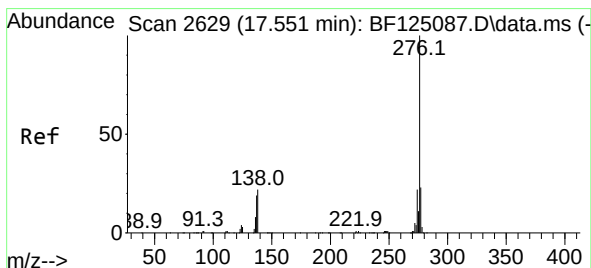
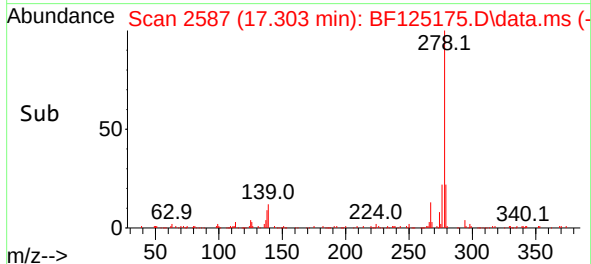
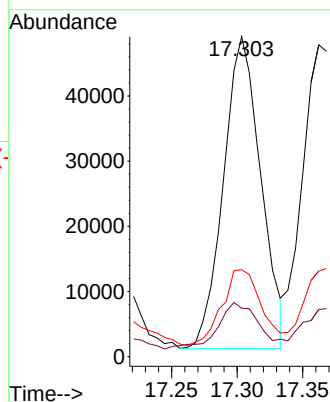
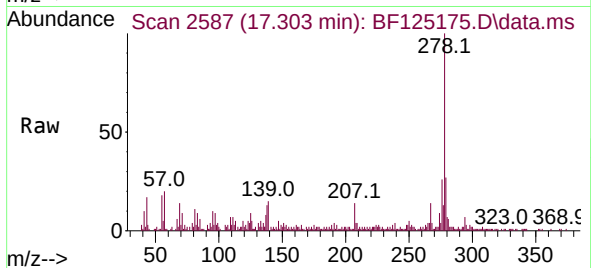




#91
Dibenzo(a,h)anthracene
Concen: 5.645 ng
RT: 17.303 min Scan# 2587
Delta R.T. 0.165 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Instrument :
BNA_F
ClientSampleId :
TR-04-082121

Tgt Ion:	278	Resp:	94592
Ion Ratio	Lower	Upper	
278	100		
139	15.2	14.9	22.3
279	27.2	19.7	29.5



#92
Benzo(g,h,i)perylene
Concen: 36.241 ng
RT: 17.592 min Scan# 2636
Delta R.T. 0.006 min
Lab File: BF125175.D
Acq: 24 Aug 2021 2:06

Tgt Ion:	276	Resp:	585548
Ion Ratio	Lower	Upper	
276	100		
277	23.9	22.0	33.0
138	18.5	22.2	33.4#

