

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101521\
 Data File : BF125867.D
 Acq On : 15 Oct 2021 17:32
 Operator : JU/CG
 Sample : M4243-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3-COMP-(1-4)

Quant Time: Oct 18 08:56:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 15 15:00:46 2021
 Response via : Initial Calibration

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

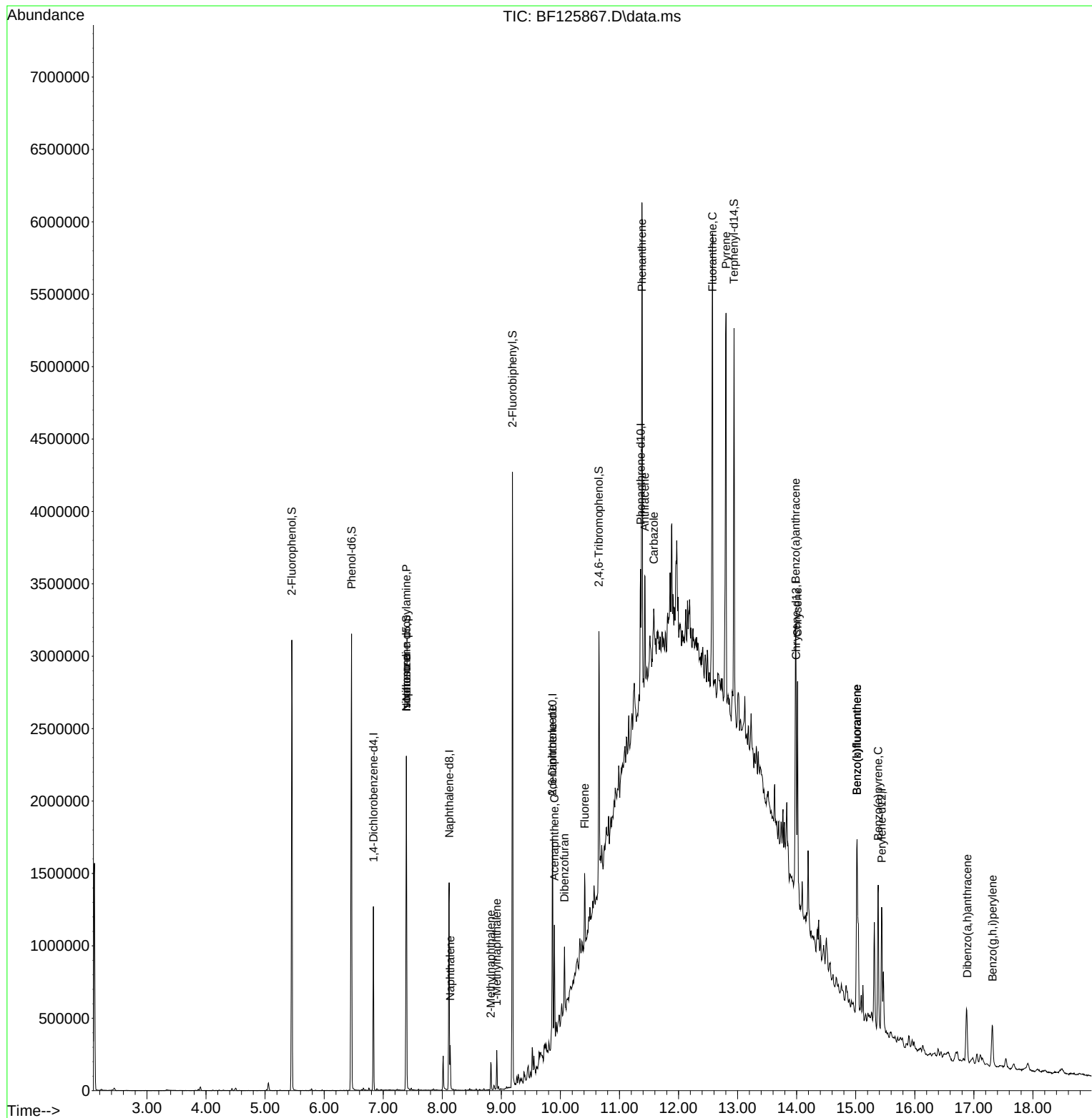
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	173807	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	678404	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	314269	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	406589	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	372329	20.000	ng	0.00
86) Perylene-d12	15.439	264	388183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1012242	95.141	ng	0.00
7) Phenol-d6	6.463	99	1243487	90.790	ng	0.00
23) Nitrobenzene-d5	7.392	82	744966	68.259	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	245015	78.966	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1368263	75.095	ng	0.00
79) Terphenyl-d14	12.939	244	1057148	43.249	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	93052	12.870	ng	# 49
25) Isophorone	7.392	82	739068	38.224	ng	# 59
31) Naphthalene	8.134	128	120010	3.659	ng	98
37) 2-Methylnaphthalene	8.822	142	54471	2.564	ng	100
38) 1-Methylnaphthalene	8.922	142	65173	3.162	ng	95
51) 2,6-Dinitrotoluene	9.863	165	43707	10.452	ng	# 28
52) Acenaphthene	9.898	154	148210	8.635	ng	98
55) Dibenzofuran	10.069	168	129265	5.027	ng	94
58) Fluorene	10.410	166	117336	6.230	ng	97
71) Phenanthrene	11.380	178	1589113	73.048	ng	96
72) Anthracene	11.428	178	387782	17.847	ng	95
73) Carbazole	11.580	167	134442	6.649	ng	96
75) Fluoranthene	12.575	202	1510202	76.936	ng	97
78) Pyrene	12.804	202	1456044	38.493	ng	97
81) Benzo(a)anthracene	13.980	228	671257	27.788	ng	98
83) Chrysene	14.016	228	550720	23.065	ng	97
88) Benzo(b)fluoranthene	15.021	252	914411	41.724	ng	99
89) Benzo(k)fluoranthene	15.021	252	914411	40.639	ng	# 97
90) Benzo(a)pyrene	15.380	252	512472	26.405	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	55251	2.261	ng	92
92) Benzo(g,h,i)perylene	17.315	276	223816	8.968	ng	93

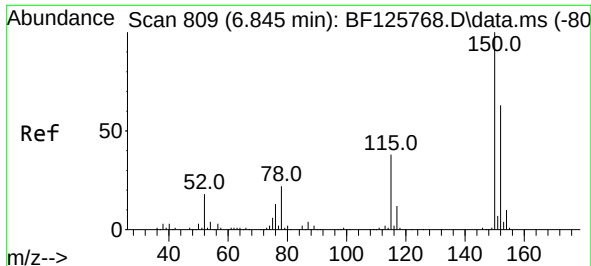
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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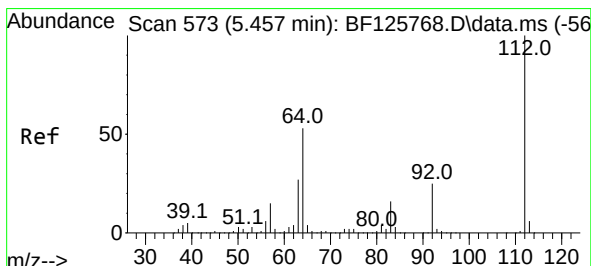
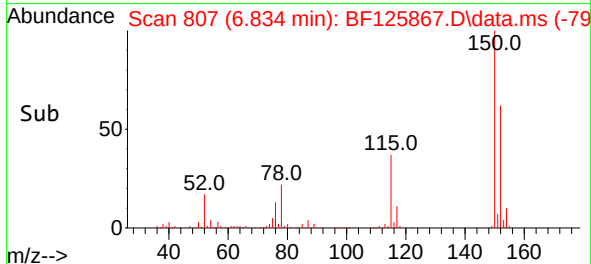
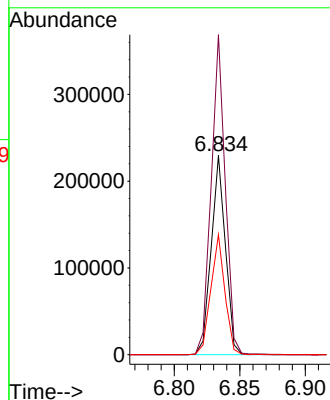
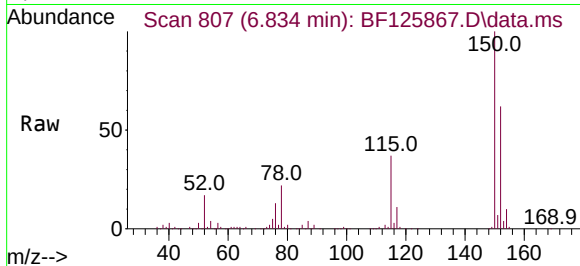




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

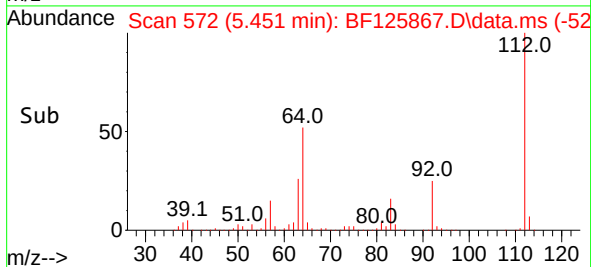
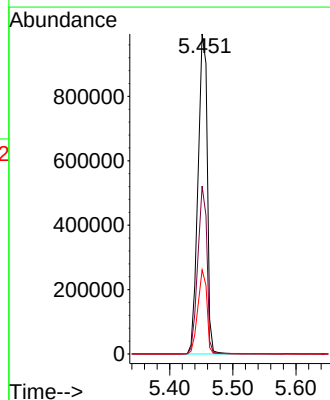
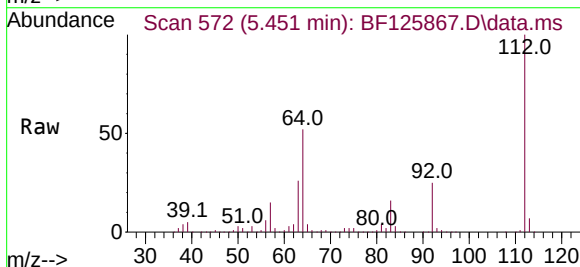
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

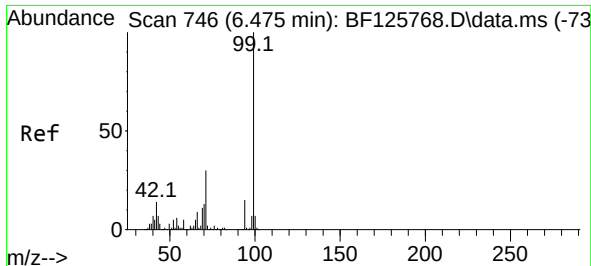
Tgt Ion:152 Resp: 173807
Ion Ratio Lower Upper
152 100
150 160.7 117.6 176.4
115 60.2 47.1 70.7



#5
2-Fluorophenol
Concen: 95.141 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:112 Resp: 1012242
Ion Ratio Lower Upper
112 100
64 52.5 44.2 66.2
63 26.3 26.2 39.2

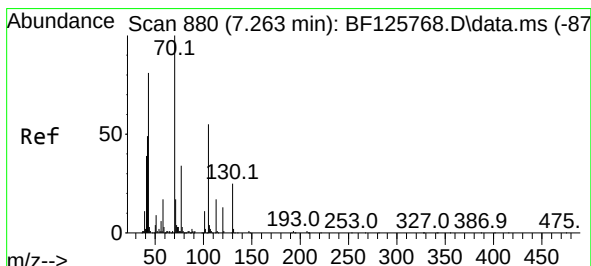
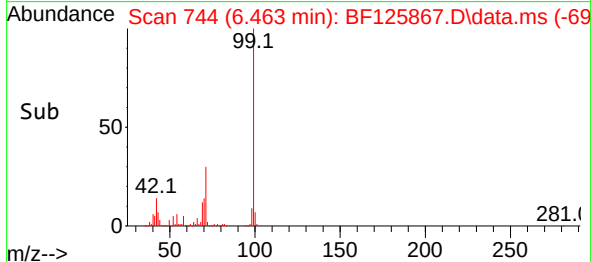
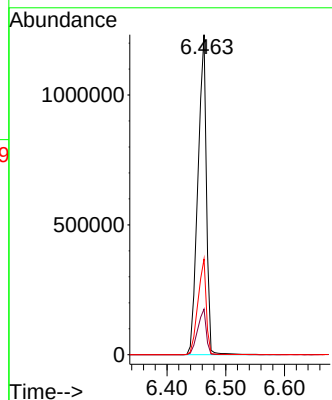
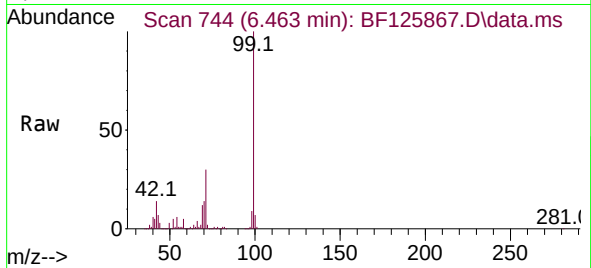




#7
Phenol-d6
Concen: 90.790 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

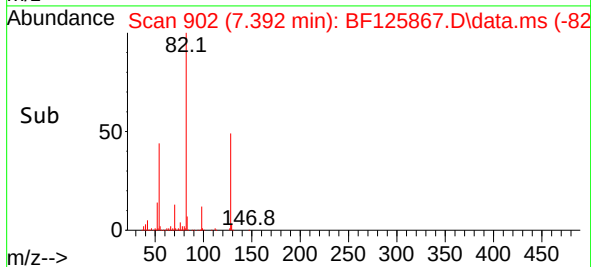
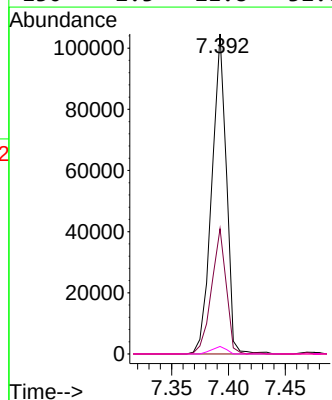
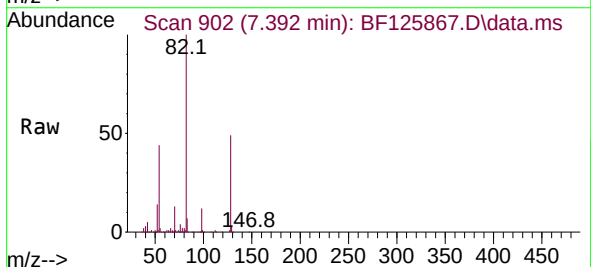
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

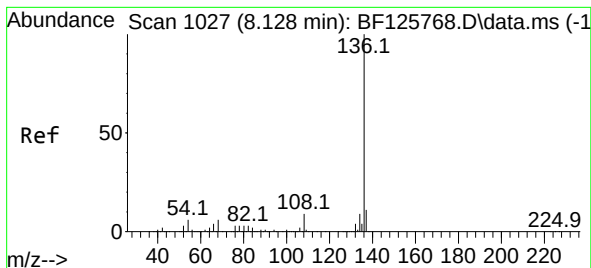
Tgt Ion: 99 Resp: 1243487
Ion Ratio Lower Upper
99 100
42 14.3 23.5 35.3#
71 29.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.870 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion: 70 Resp: 93052
Ion Ratio Lower Upper
70 100
42 39.2 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

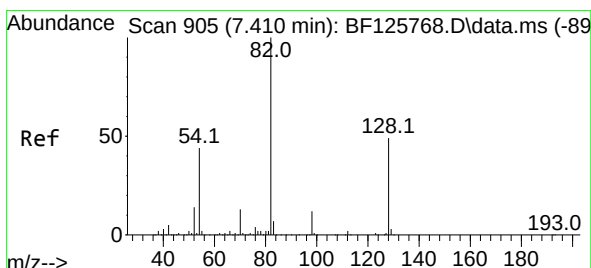
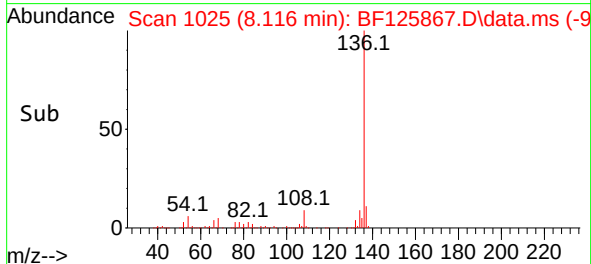
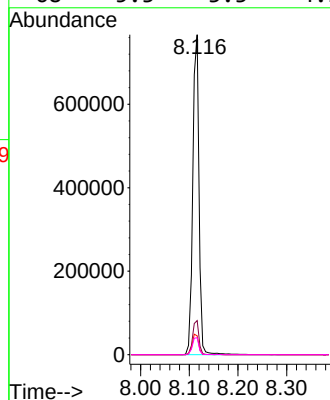
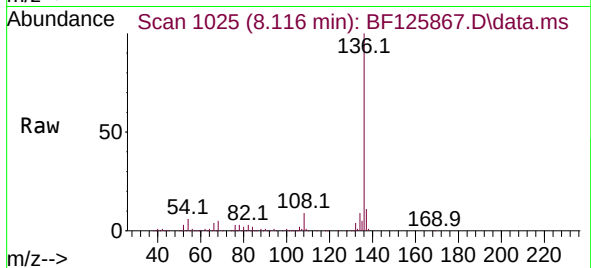




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

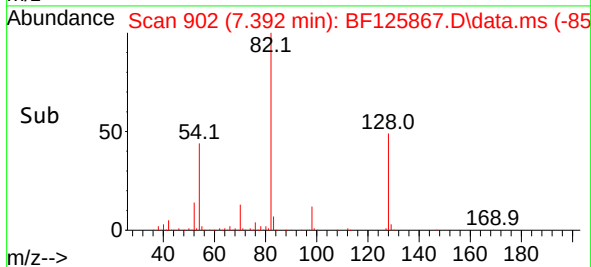
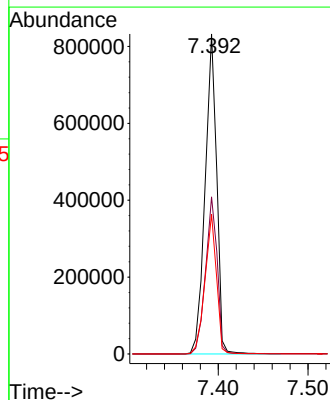
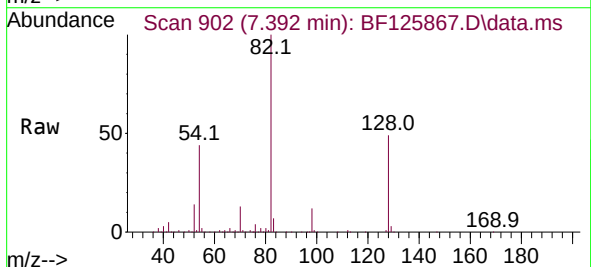
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

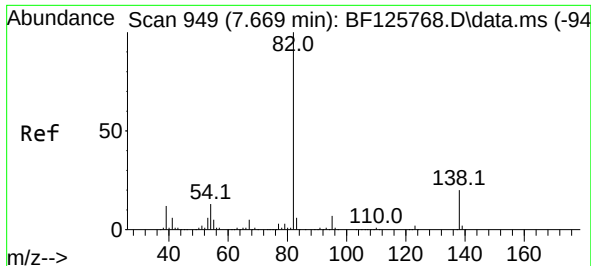
Tgt Ion:136	Resp: 678404
Ion Ratio	Lower Upper
136 100	
137 10.6	9.8 14.6
54 5.9	6.4 9.6#
68 5.3	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 68.259 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion: 82	Resp: 744966
Ion Ratio	Lower Upper
82 100	
128 49.1	40.6 60.8
54 43.7	49.6 74.4#

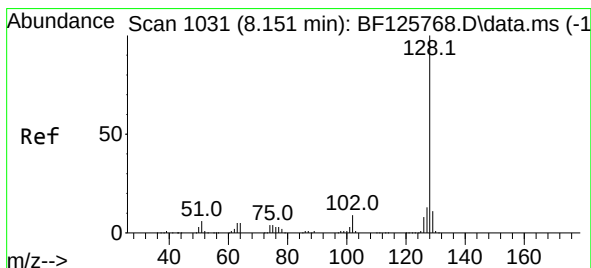
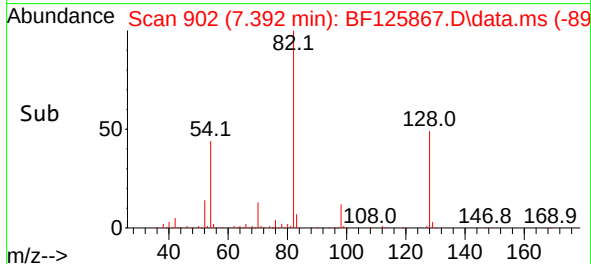
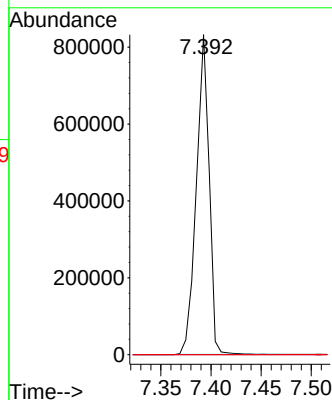
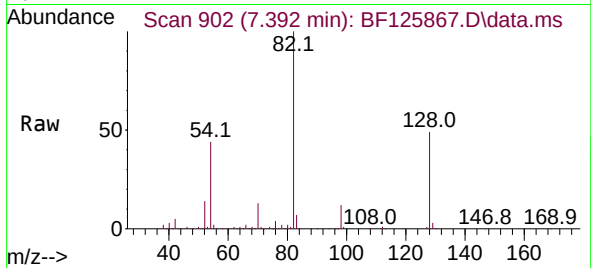




#25
Isophorone
Concen: 38.224 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.265 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

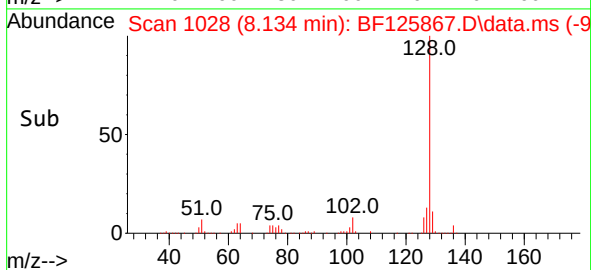
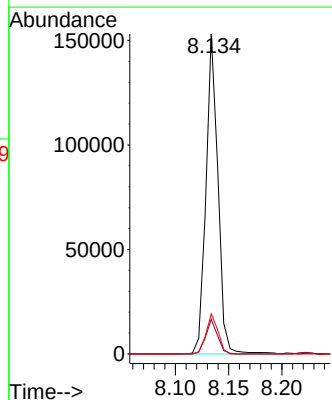
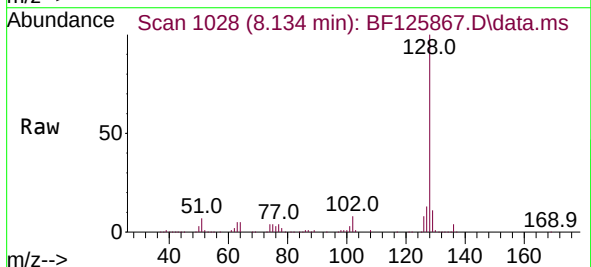
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ClientSampleId :
T3-COMP-(1-4)

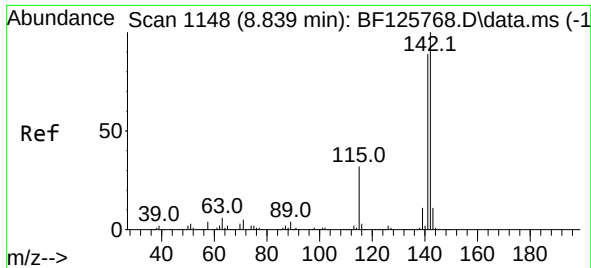
Tgt Ion: 82 Resp: 739068
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 3.659 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion: 128 Resp: 120010
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.0
127 12.6 10.9 16.3

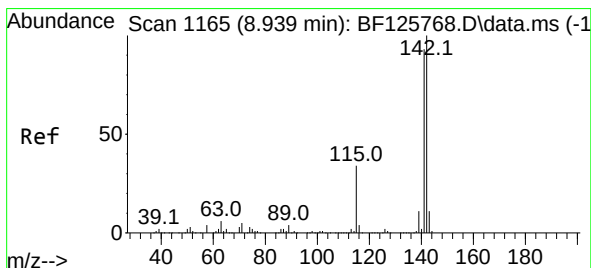
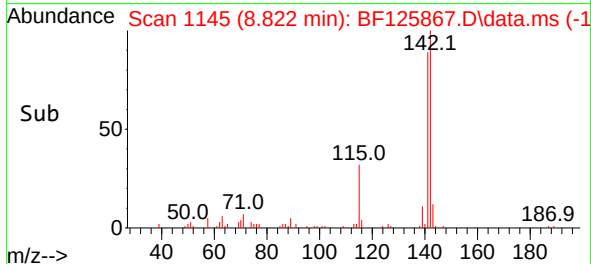
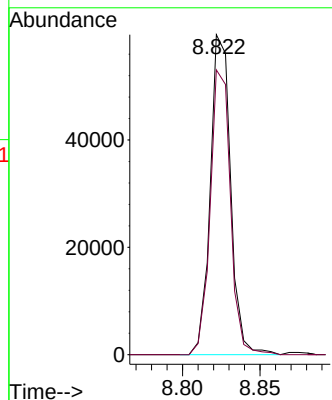
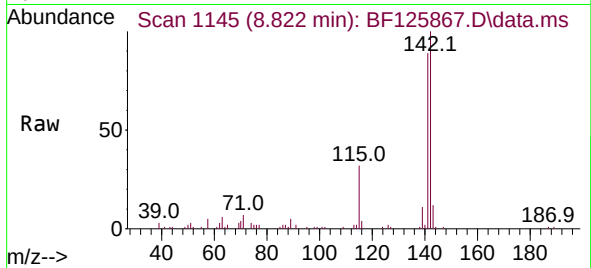




#37
2-Methylnaphthalene
Concen: 2.564 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

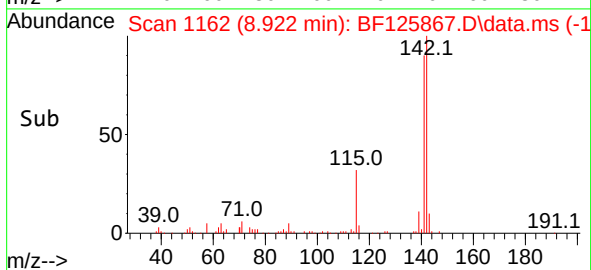
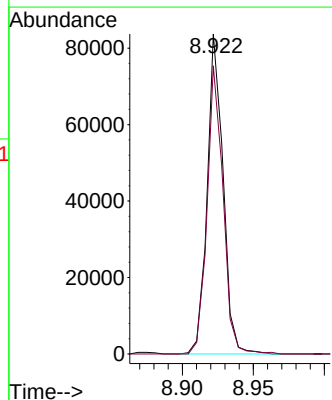
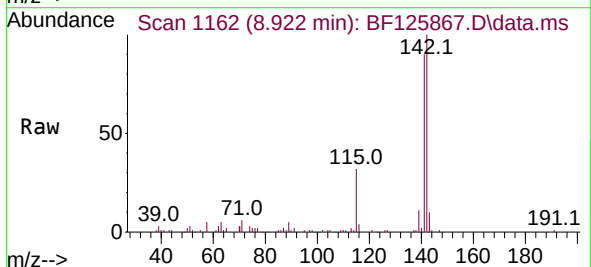
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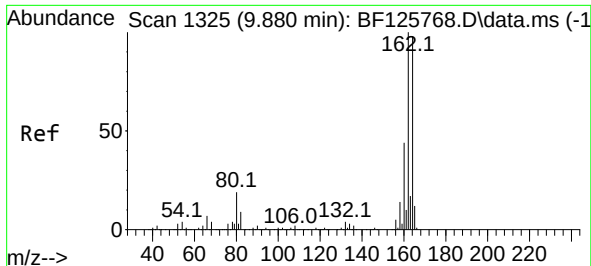
Tgt Ion:142 Resp: 54471
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8



#38
1-Methylnaphthalene
Concen: 3.162 ng
RT: 8.922 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:142 Resp: 65173
Ion Ratio Lower Upper
142 100
141 90.0 76.0 114.0

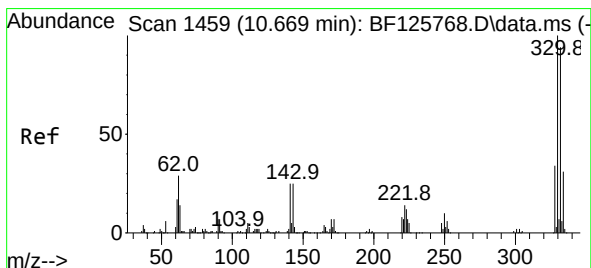
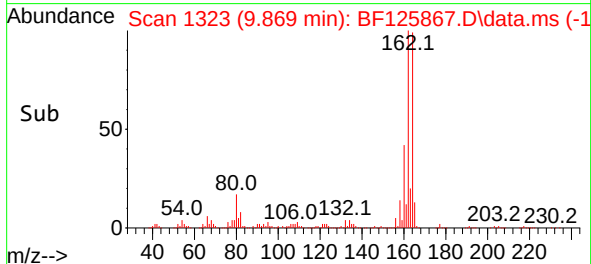
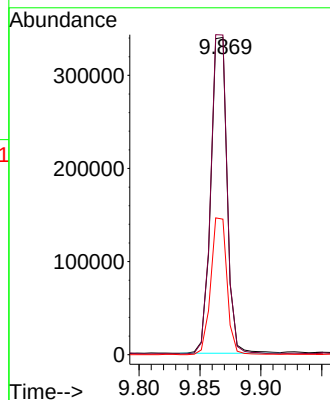
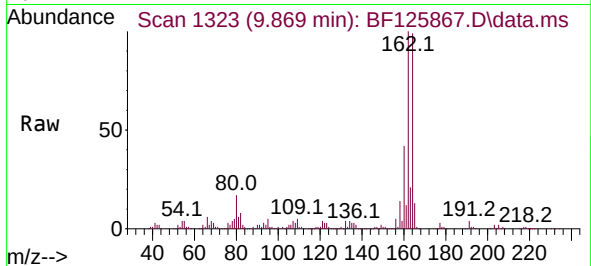




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

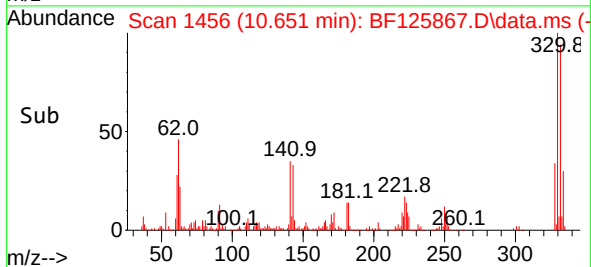
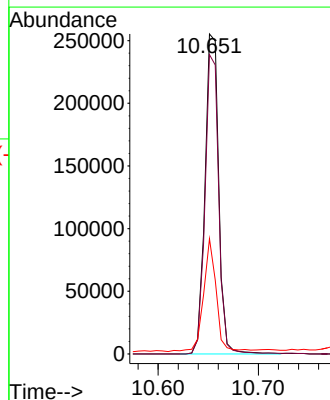
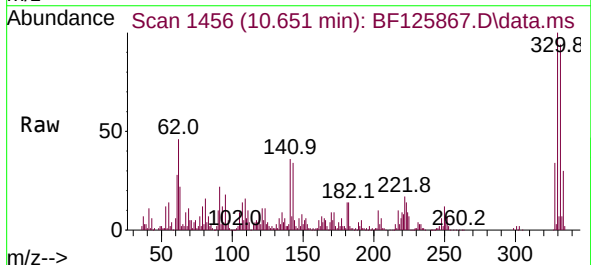
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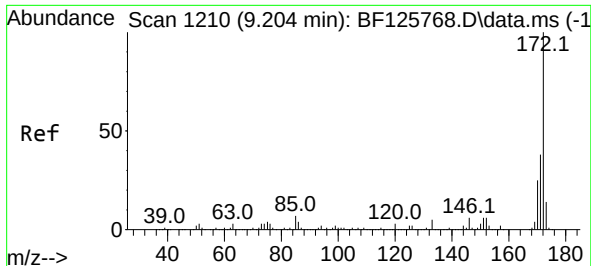
Tgt Ion:164 Resp: 314269
Ion Ratio Lower Upper
164 100
162 100.8 81.3 121.9
160 42.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 78.966 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:330 Resp: 245015
Ion Ratio Lower Upper
330 100
332 93.3 76.2 114.4
141 32.4 44.6 66.8#

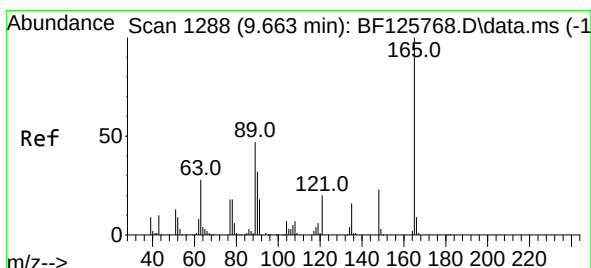
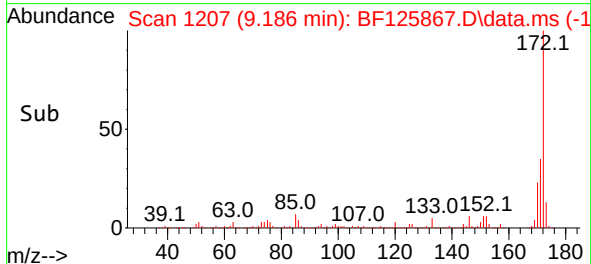
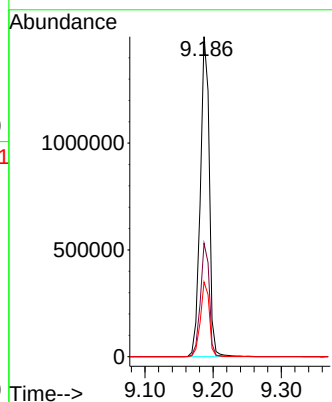
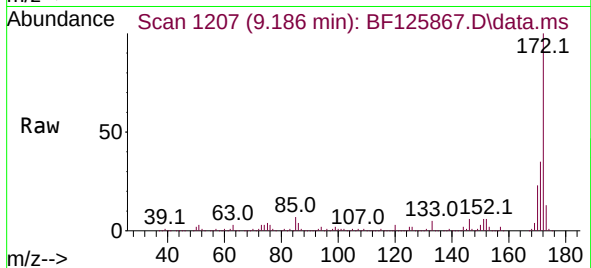




#45
2-Fluorobiphenyl
Concen: 75.095 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

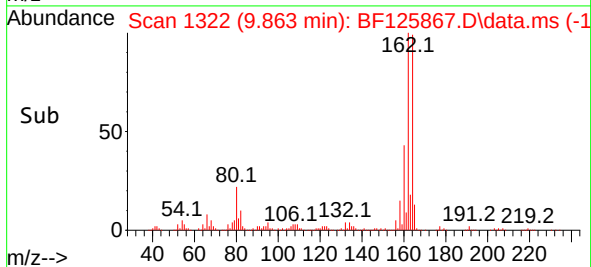
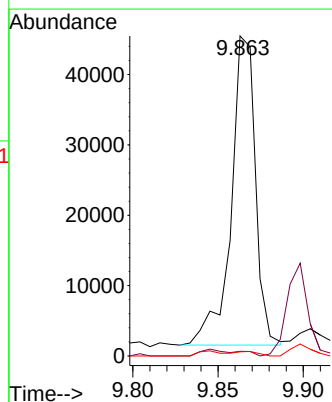
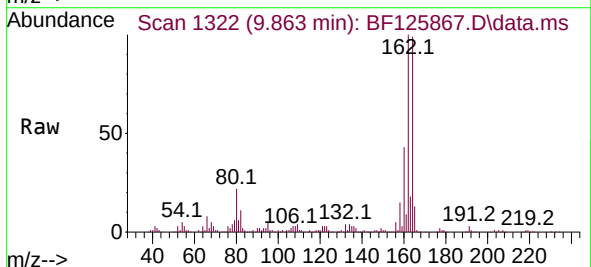
Instrument :
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T3-COMP-(1-4)

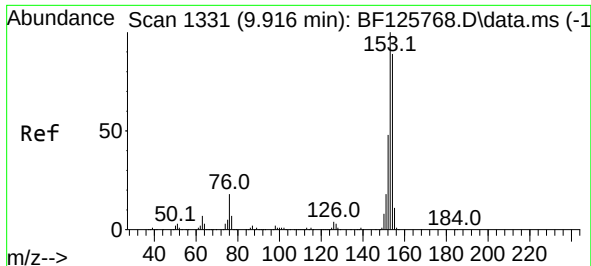
Tgt Ion:172 Resp: 1368263
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.3 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.452 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.212 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:165 Resp: 43707
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.3 40.6 60.8#

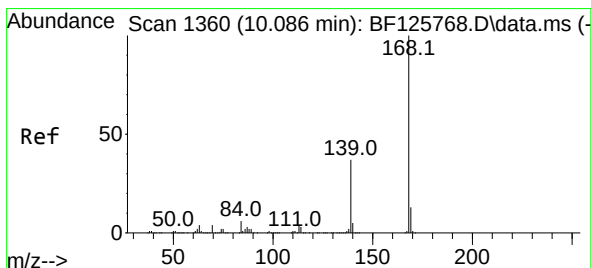
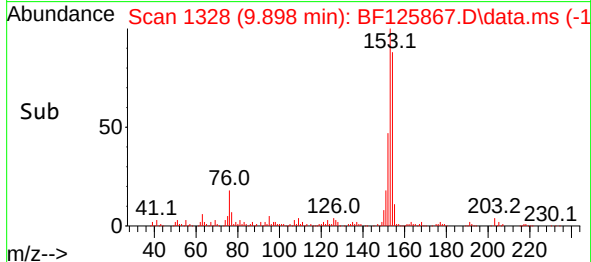
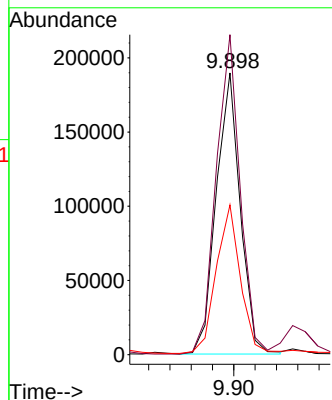
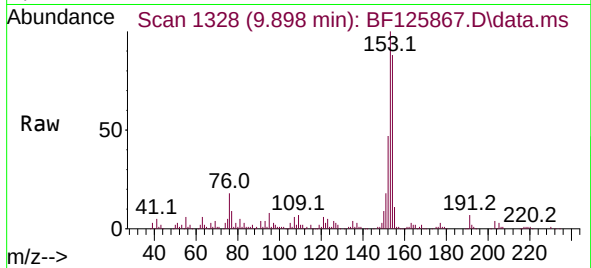




#52
Acenaphthene
Concen: 8.635 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

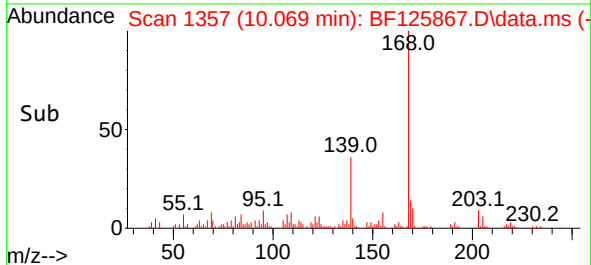
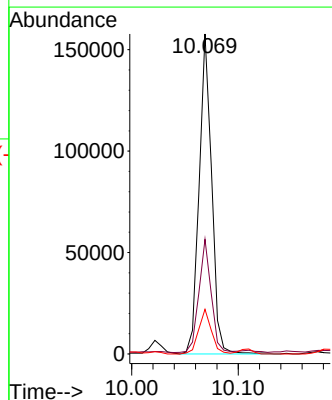
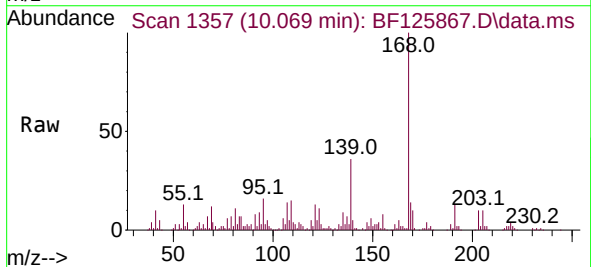
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

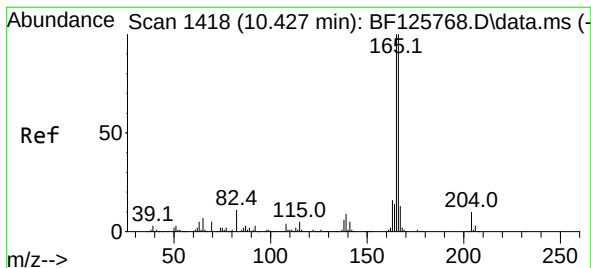
Tgt Ion:154 Resp: 148210
Ion Ratio Lower Upper
154 100
153 113.5 89.4 134.2
152 53.1 40.5 60.7



#55
Dibenzofuran
Concen: 5.027 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:168 Resp: 129265
Ion Ratio Lower Upper
168 100
139 35.8 32.7 49.1
169 14.0 11.2 16.8





#58

Fluorene

Concen: 6.230 ng

RT: 10.410 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF125867.D

Acq: 15 Oct 2021 17:32

Tgt Ion:166 Resp: 117336

Ion Ratio Lower Upper

166 100

165 100.3 78.1 117.1

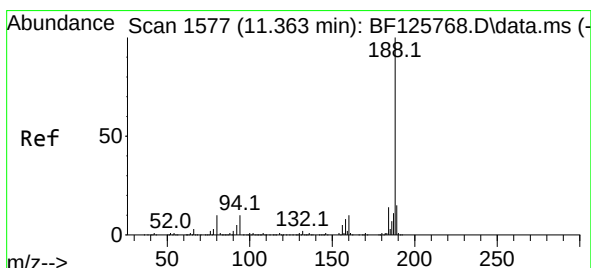
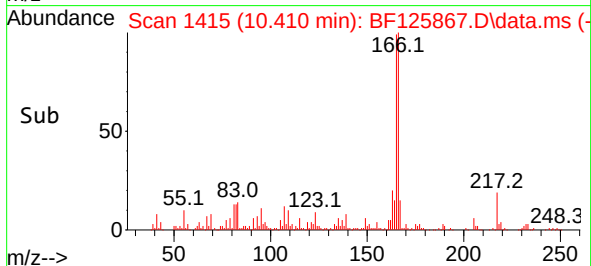
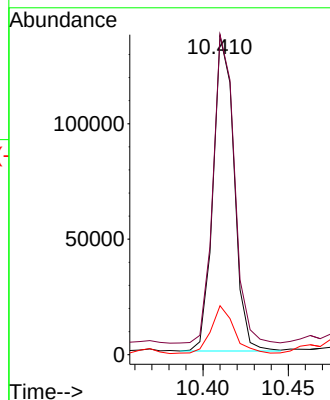
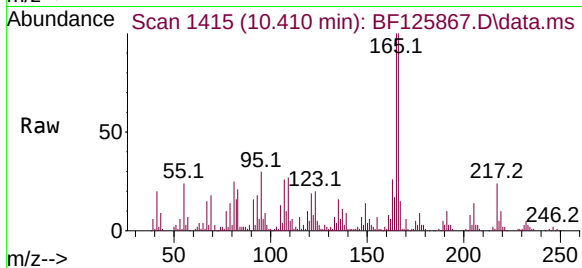
167 15.3 11.1 16.7

Instrument :

BNA_F

ClientSampleId :

T3-COMP-(1-4)



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. 0.006 min

Lab File: BF125867.D

Acq: 15 Oct 2021 17:32

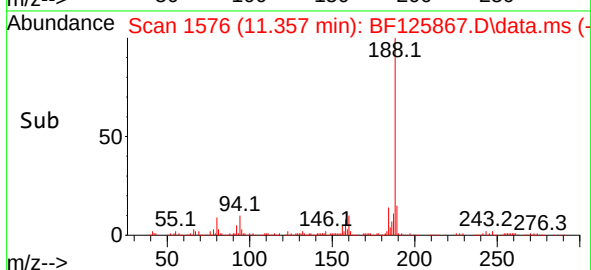
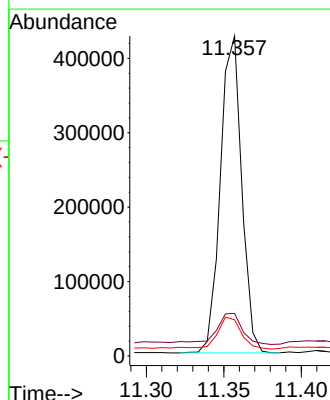
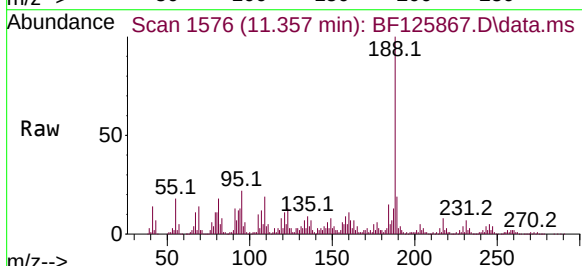
Tgt Ion:188 Resp: 406589

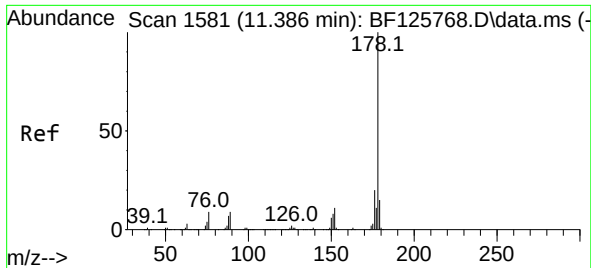
Ion Ratio Lower Upper

188 100

94 13.3 6.7 10.1#

80 11.3 7.5 11.3#

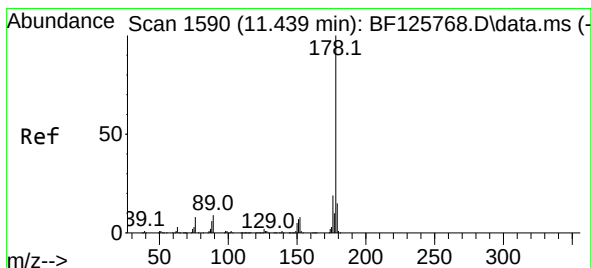
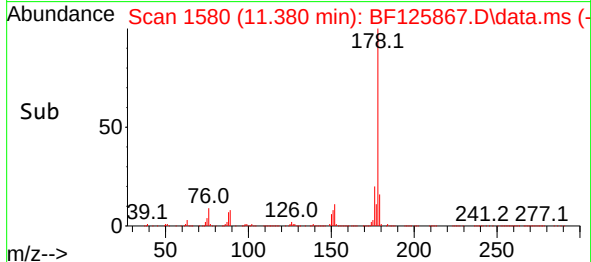
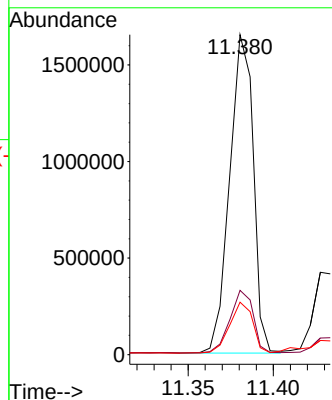
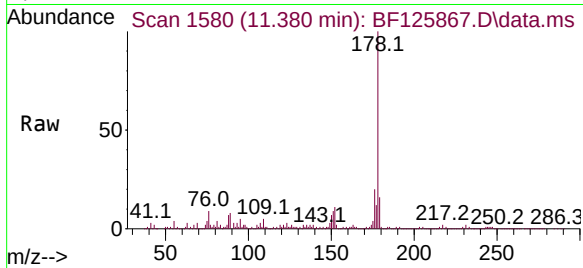




#71
Phenanthrene
Concen: 73.048 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

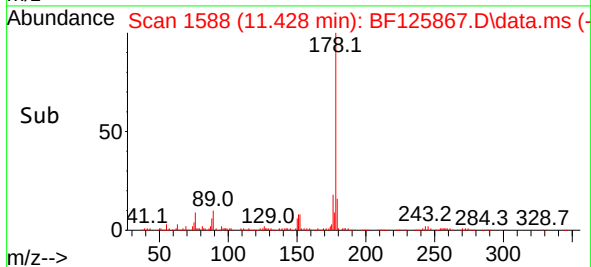
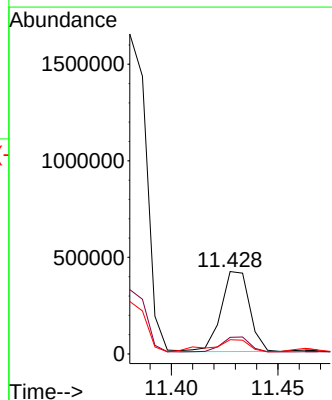
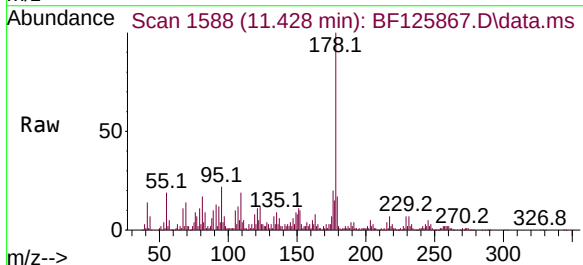
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

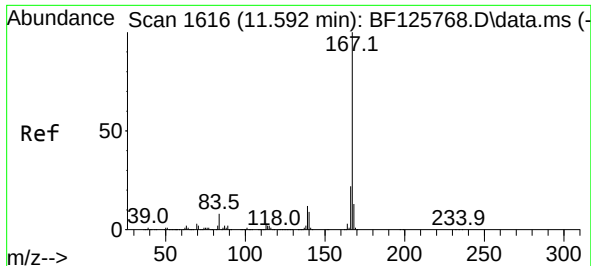
Tgt Ion:178 Resp: 1589113
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 16.4 11.5 17.3



#72
Anthracene
Concen: 17.847 ng
RT: 11.428 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:178 Resp: 387782
Ion Ratio Lower Upper
178 100
176 20.3 14.3 21.5
179 17.3 12.2 18.4

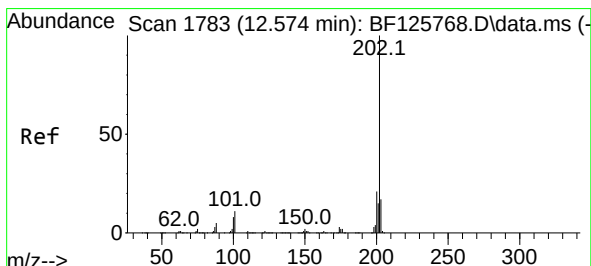
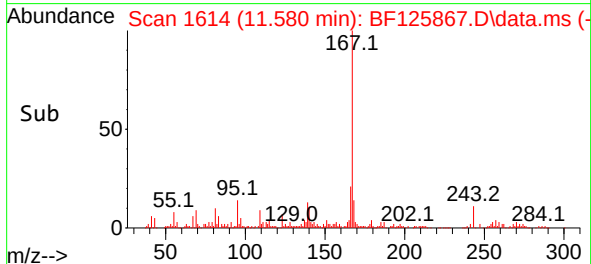
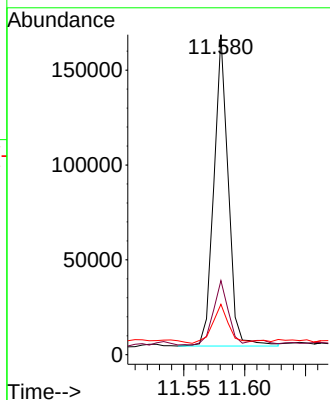
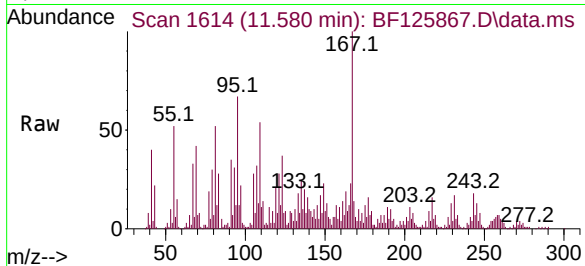




#73
 Carbazole
 Concen: 6.649 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.000 min
 Lab File: BF125867.D
 Acq: 15 Oct 2021 17:32

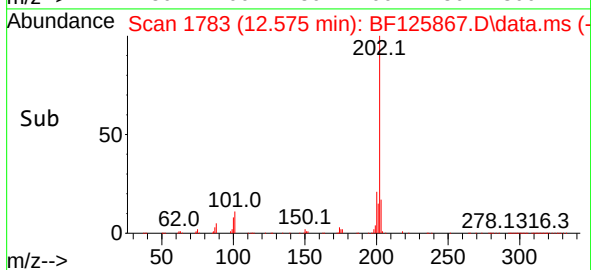
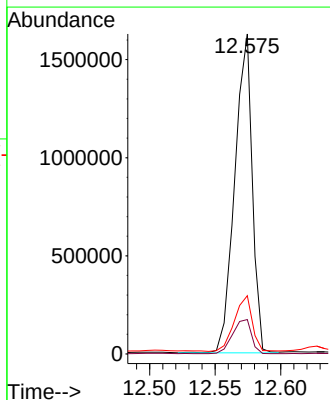
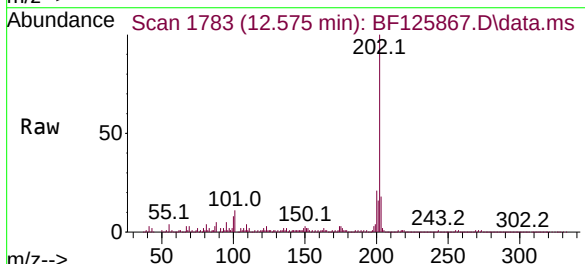
Instrument :
 BNA_F
 ClientSampleId :
 T3-COMP-(1-4)

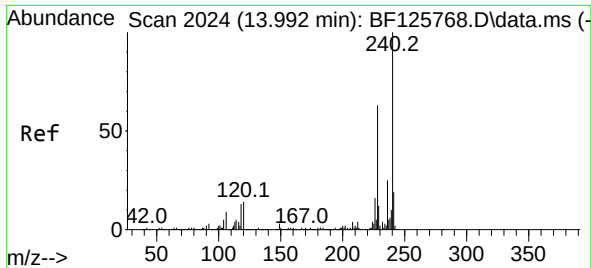
Tgt Ion:167	Resp: 134442
Ion Ratio	Lower Upper
167	100
166	23.2 17.4 26.0
139	15.7 11.0 16.4



#75
 Fluoranthene
 Concen: 76.936 ng
 RT: 12.575 min Scan# 1783
 Delta R.T. 0.012 min
 Lab File: BF125867.D
 Acq: 15 Oct 2021 17:32

Tgt Ion:202	Resp: 1510202
Ion Ratio	Lower Upper
202	100
101	10.8 0.0 30.7
203	18.2 0.0 36.3

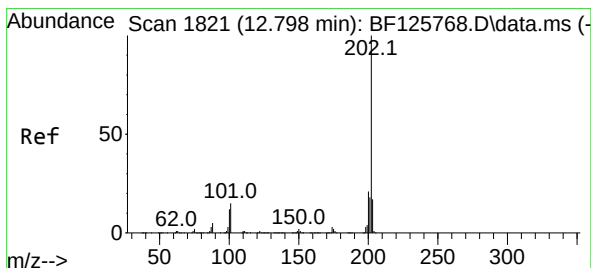
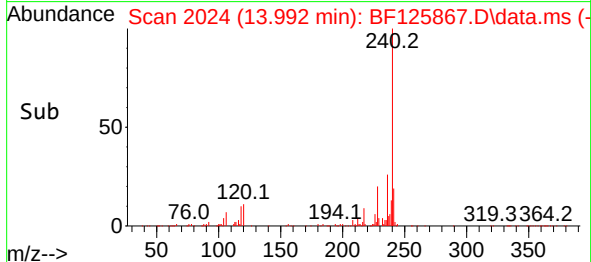
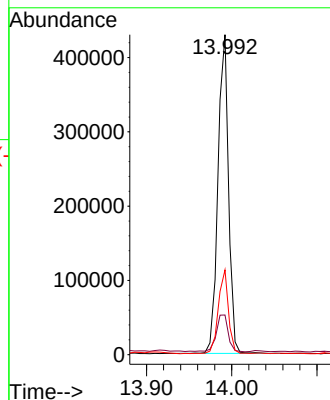
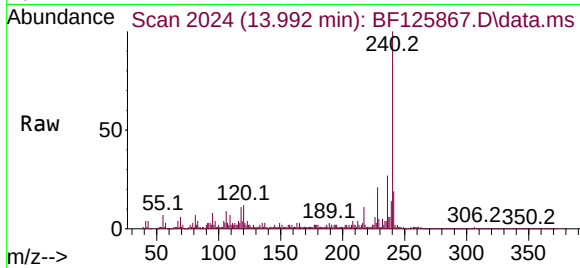




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

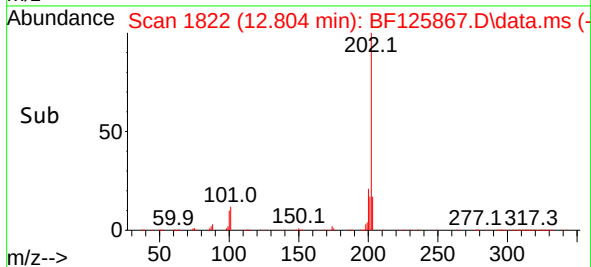
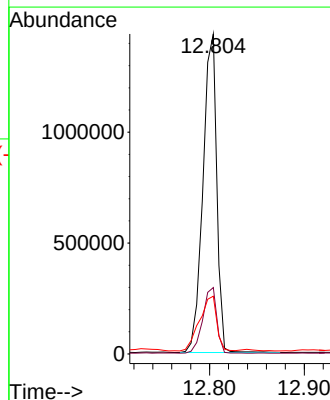
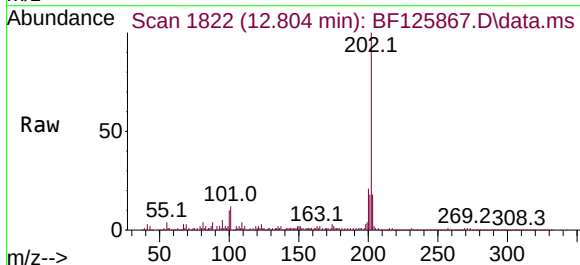
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

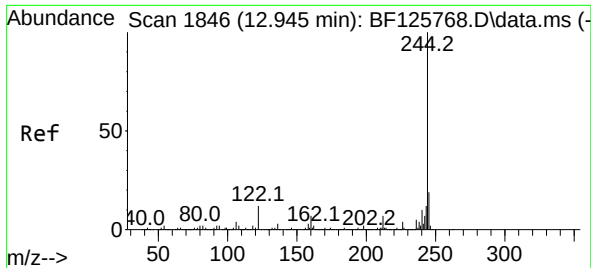
Tgt Ion:240 Resp: 372329
Ion Ratio Lower Upper
240 100
120 12.4 10.8 16.2
236 26.5 21.6 32.4



#78
Pyrene
Concen: 38.493 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.012 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:202 Resp: 1456044
Ion Ratio Lower Upper
202 100
200 20.8 15.3 22.9
203 18.0 13.4 20.0

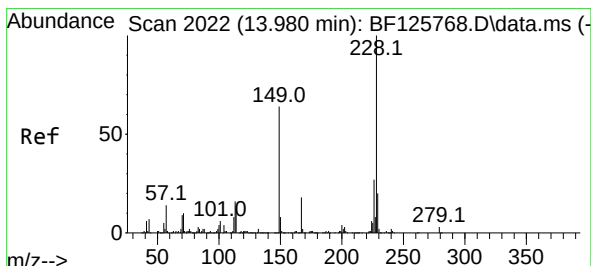
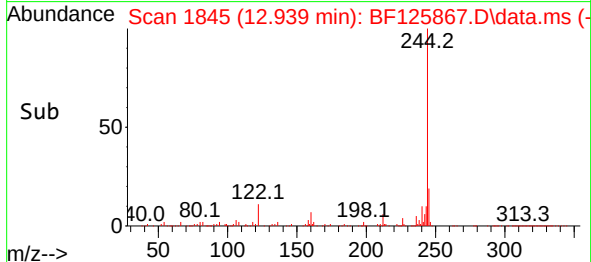
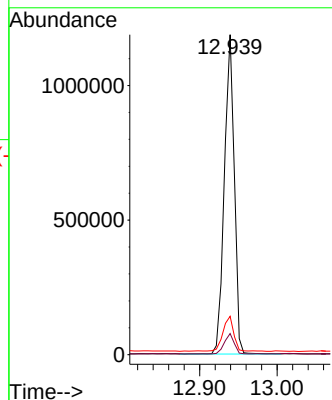
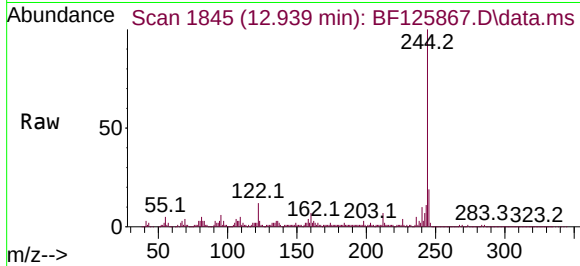




#79
 Terphenyl-d14
 Concen: 43.249 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: BF125867.D
 Acq: 15 Oct 2021 17:32

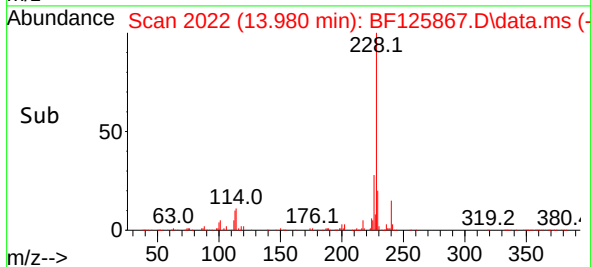
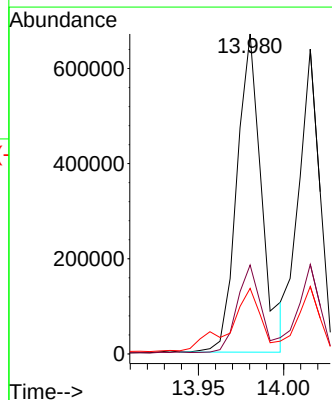
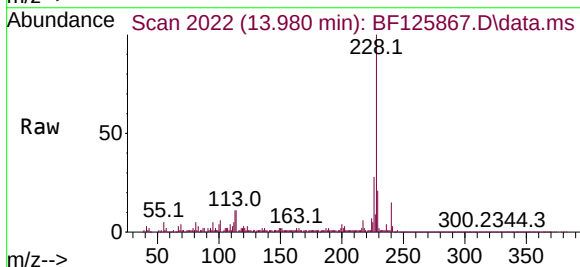
Instrument :
 BNA_F
 ClientSampleId :
 T3-COMP-(1-4)

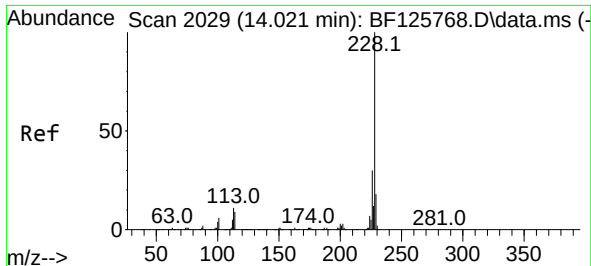
Tgt Ion:244 Resp: 1057148
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 12.0 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 27.788 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.006 min
 Lab File: BF125867.D
 Acq: 15 Oct 2021 17:32

Tgt Ion:228 Resp: 671257
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 20.5 15.6 23.4

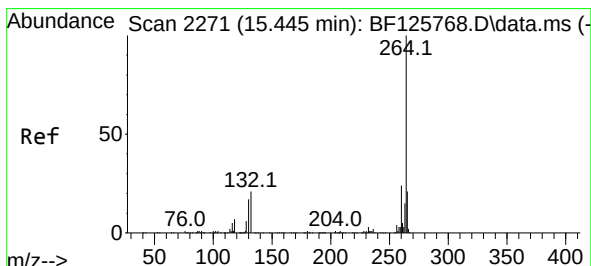
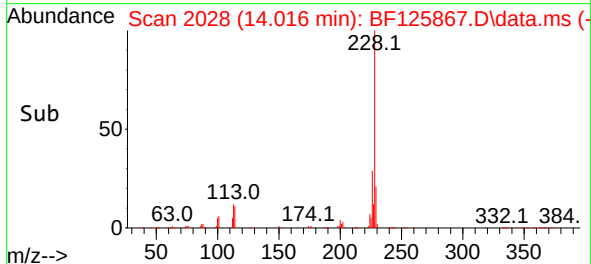
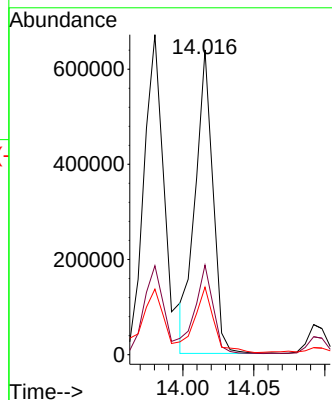
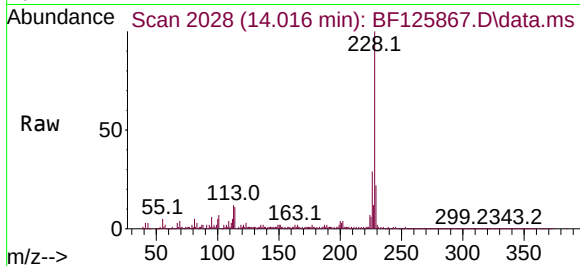




#83
Chrysene
Concen: 23.065 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

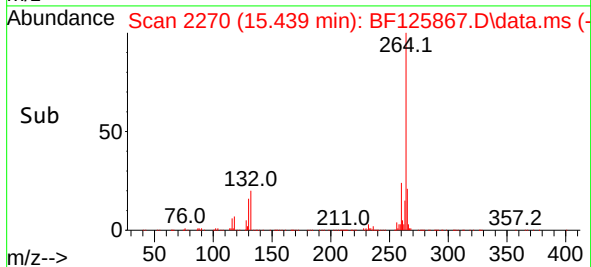
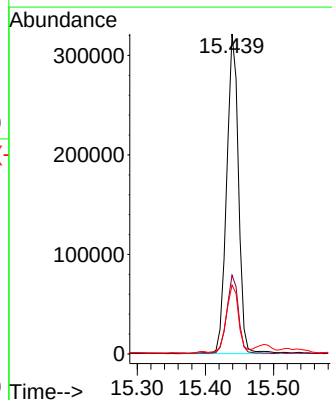
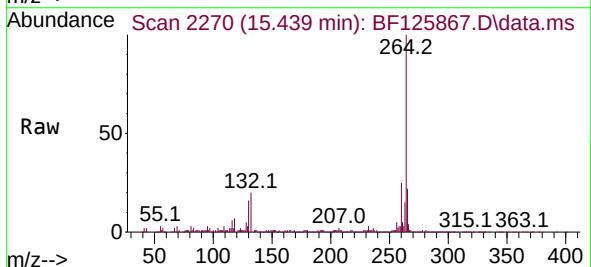
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

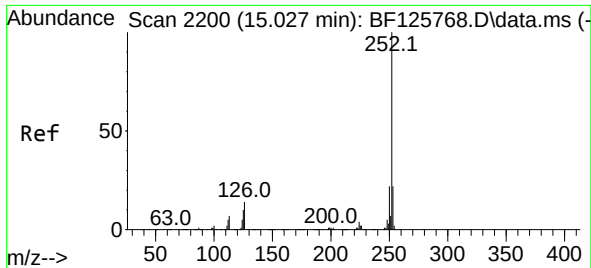
Tgt Ion:	228	Resp:	550720
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.6	34.0
229	22.1	15.9	23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:	264	Resp:	388183
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.6	29.4
265	21.5	17.2	25.8

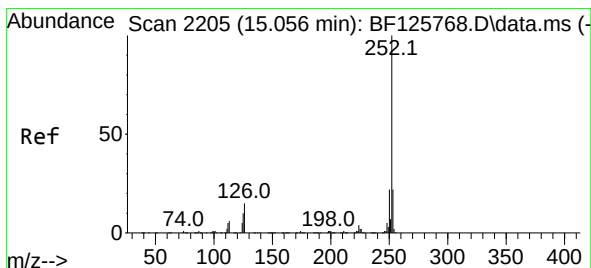
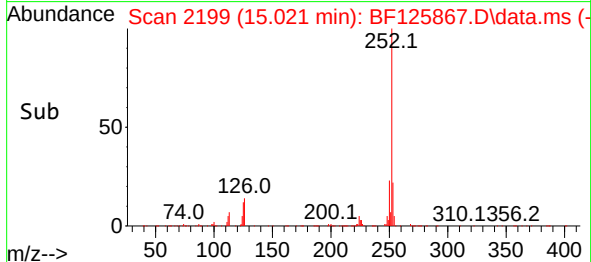
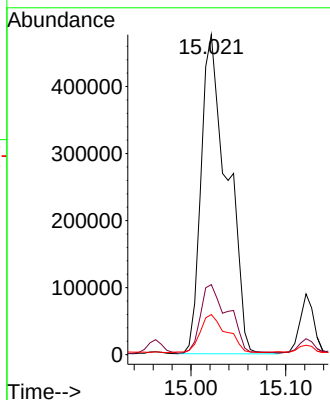
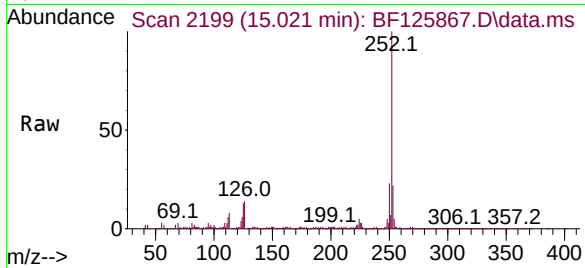




#88
Benzo(b)fluoranthene
Concen: 41.724 ng
RT: 15.021 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

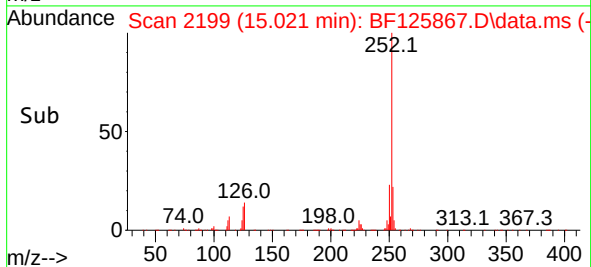
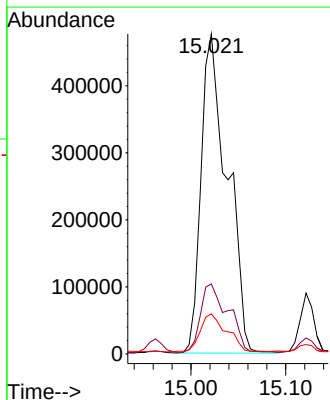
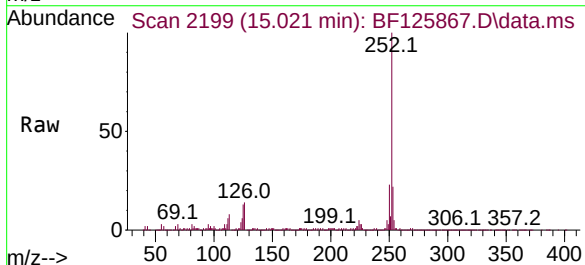
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

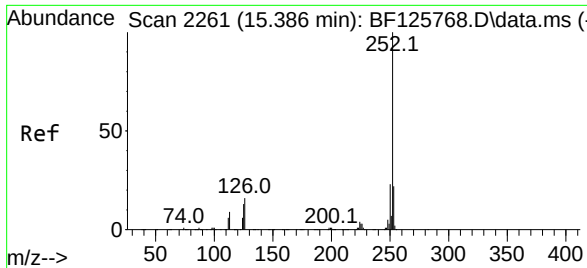
Tgt Ion:252 Resp: 914411
Ion Ratio Lower Upper
252 100
253 21.9 16.8 25.2
125 12.5 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 40.639 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:252 Resp: 914411
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.5 7.2 10.8#

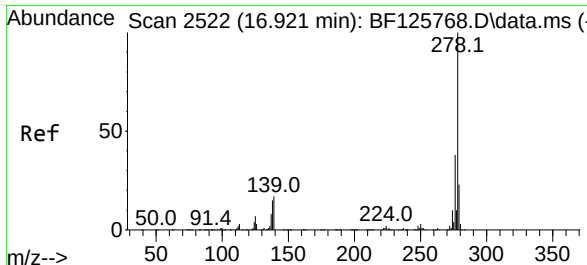
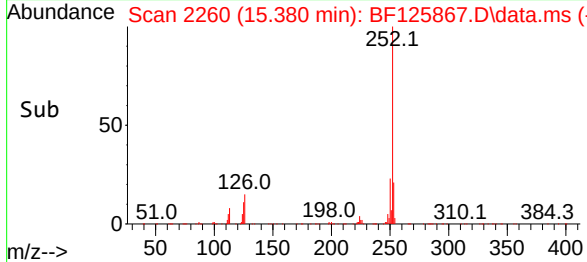
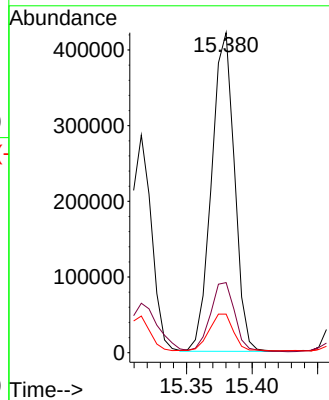
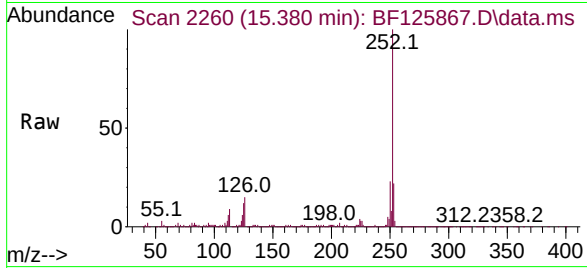




#90
Benzo(a)pyrene
Concen: 26.405 ng
RT: 15.380 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

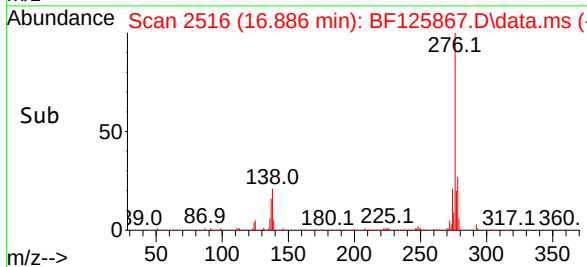
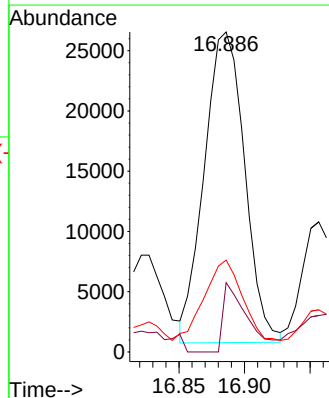
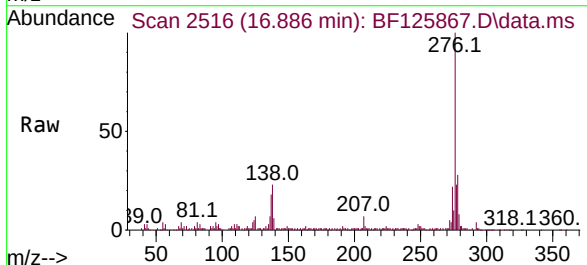
Instrument :
BNA_F
ClientSampleId :
T3-COMP-(1-4)

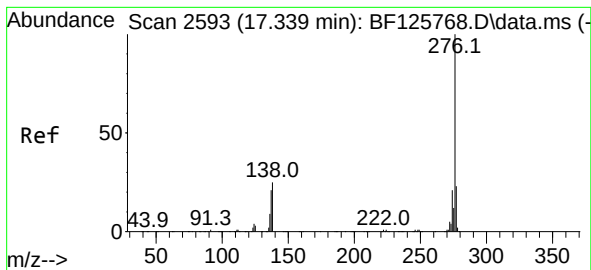
Tgt Ion:252 Resp: 512472
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 12.0 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 2.261 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.012 min
Lab File: BF125867.D
Acq: 15 Oct 2021 17:32

Tgt Ion:278 Resp: 55251
Ion Ratio Lower Upper
278 100
139 21.7 14.9 22.3
279 28.7 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 8.968 ng

RT: 17.315 min Scan# 2589

Delta R.T. -0.006 min

Lab File: BF125867.D

Acq: 15 Oct 2021 17:32

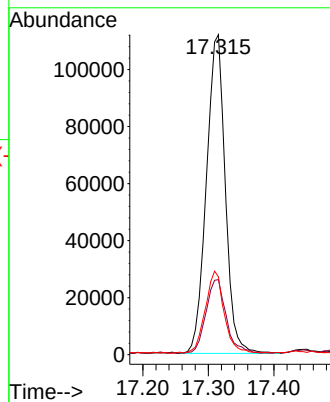
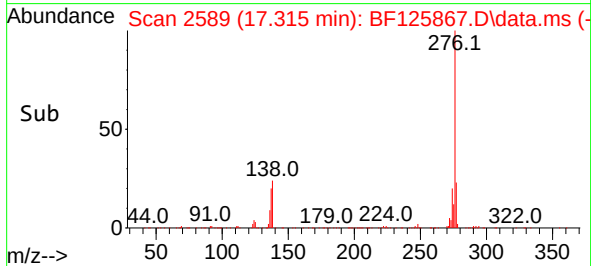
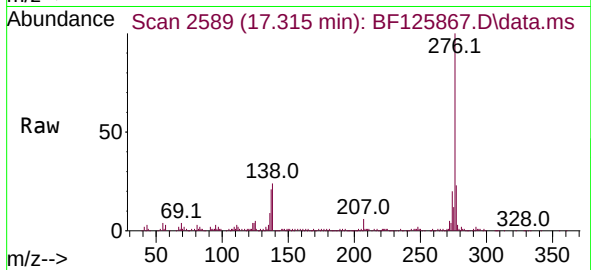
Tgt Ion: 276 Resp: 223816

Ion Ratio Lower Upper

276 100

277 23.4 22.0 33.0

138 24.3 22.2 33.4



Instrument :

BNA_F

ClientSampleId :

T3-COMP-(1-4)