

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
 Data File : BF125831.D
 Acq On : 13 Oct 2021 17:47
 Operator : JU/CG
 Sample : M4178-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101221

Quant Time: Oct 14 09:01:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 13:23:32 2021
 Response via : Initial Calibration

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

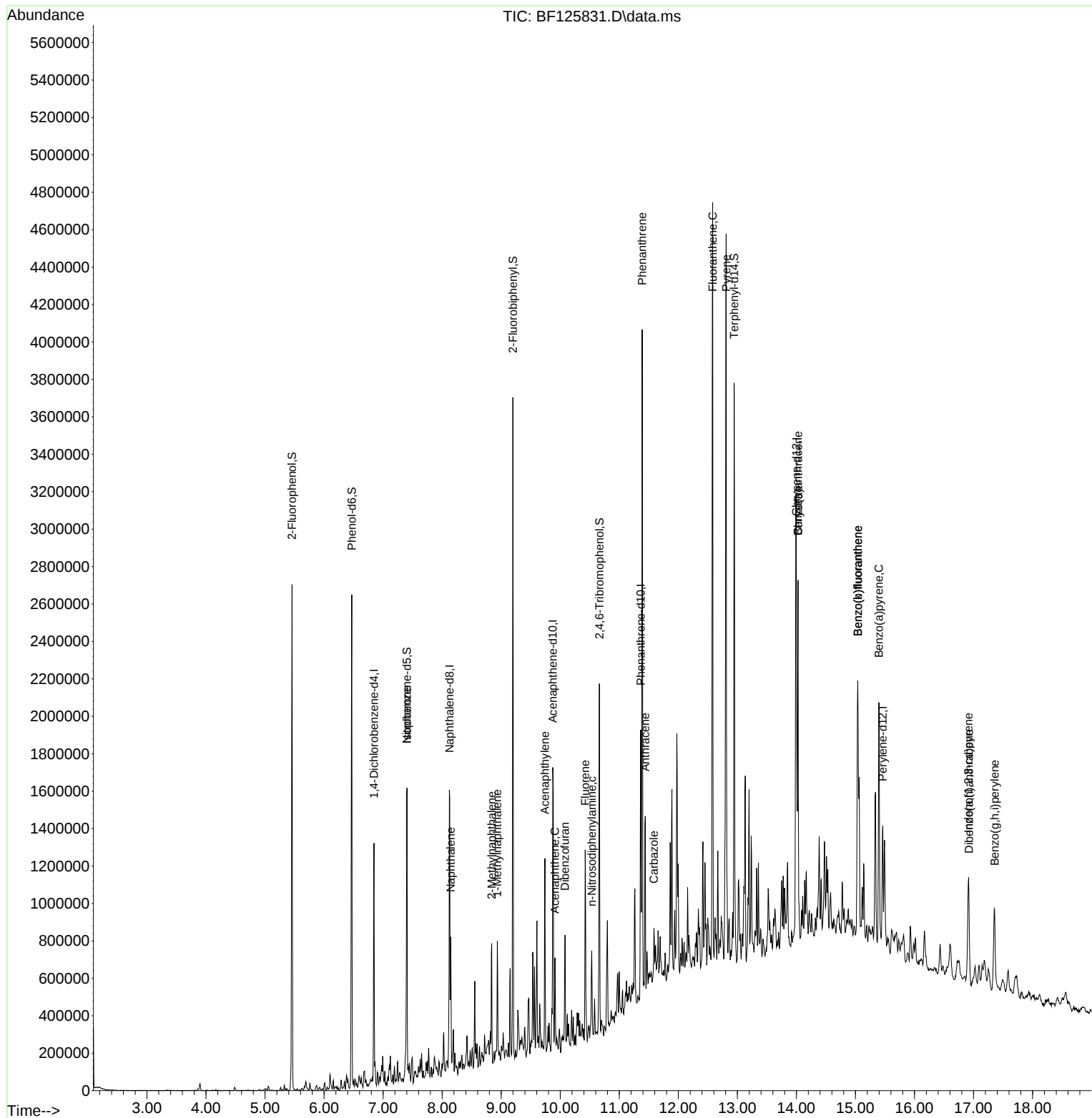
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	182356	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	675753	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	316508	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	516348	20.000	ng	0.00
76) Chrysene-d12	13.998	240	374491	20.000	ng	0.00
86) Perylene-d12	15.462	264	293411	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	772536	69.207	ng	0.00
7) Phenol-d6	6.469	99	914599	63.646	ng	0.00
23) Nitrobenzene-d5	7.404	82	523196	48.127	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	202499	64.801	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	988654	53.877	ng	0.00
79) Terphenyl-d14	12.945	244	1009500	41.062	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.404	82	516398	26.812	ng	# 59
31) Naphthalene	8.145	128	263621	8.068	ng	98
37) 2-Methylnaphthalene	8.839	142	174643	8.253	ng	98
38) 1-Methylnaphthalene	8.933	142	154894	7.544	ng	96
49) Acenaphthylene	9.739	152	373652	13.504	ng	98
52) Acenaphthene	9.910	154	83179	4.812	ng	97
55) Dibenzofuran	10.080	168	144637	5.585	ng	# 92
58) Fluorene	10.421	166	265012	13.972	ng	99
66) n-Nitrosodiphenylamine	10.533	169	41002	2.328	ng	97
71) Phenanthrene	11.386	178	1309990	47.417	ng	98
72) Anthracene	11.439	178	383927	13.914	ng	99
73) Carbazole	11.586	167	110212	4.292	ng	99
75) Fluoranthene	12.580	202	1671268	67.043	ng	97
78) Pyrene	12.810	202	1748706	45.963	ng	97
81) Benzo(a)anthracene	14.027	228	762350	31.377	ng	94
83) Chrysene	14.027	228	762350	31.745	ng	96
87) Indeno(1,2,3-cd)pyrene	16.915	276	380180	16.977	ng	94
88) Benzo(b)fluoranthene	15.039	252	1125771	67.960	ng	98
89) Benzo(k)fluoranthene	15.039	252	1125771	66.193	ng	# 97
90) Benzo(a)pyrene	15.398	252	607039	41.381	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	91304	4.943	ng	# 88
92) Benzo(g,h,i)perylene	17.356	276	362706	19.227	ng	94

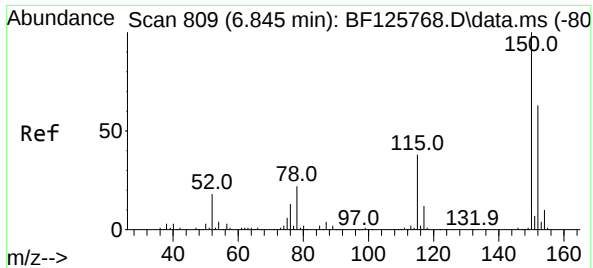
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
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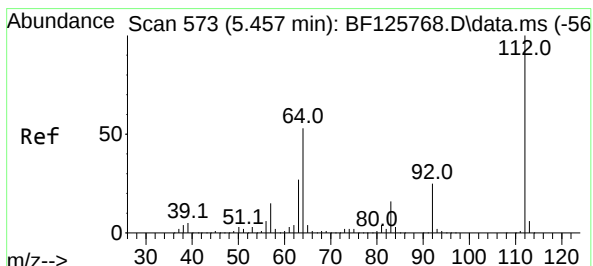
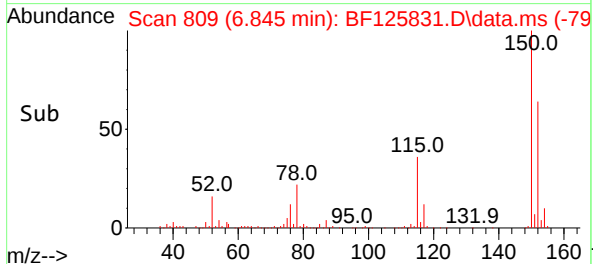
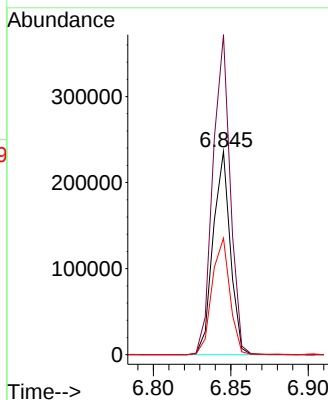
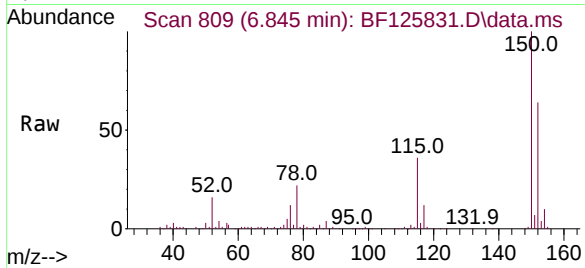




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

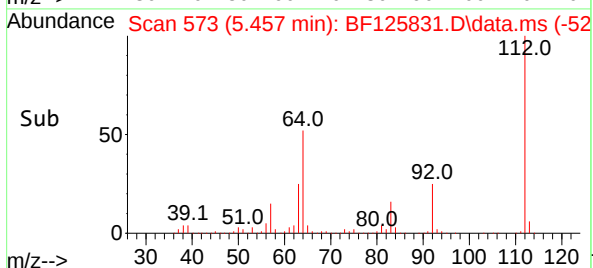
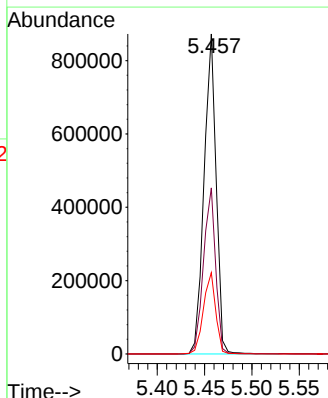
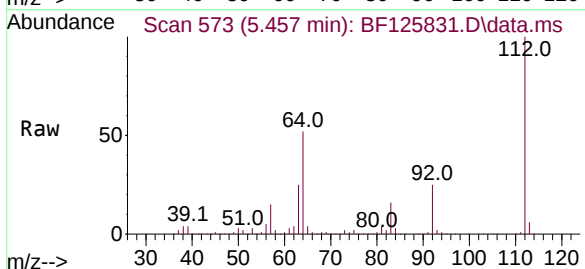
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

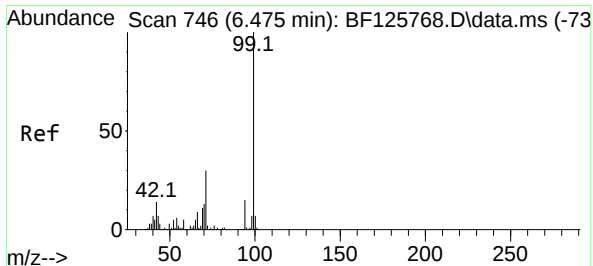
Tgt Ion:152 Resp: 182356
Ion Ratio Lower Upper
152 100
150 157.4 117.6 176.4
115 57.3 47.1 70.7



#5
2-Fluorophenol
Concen: 69.207 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:112 Resp: 772536
Ion Ratio Lower Upper
112 100
64 51.9 44.2 66.2
63 25.4 26.2 39.2#

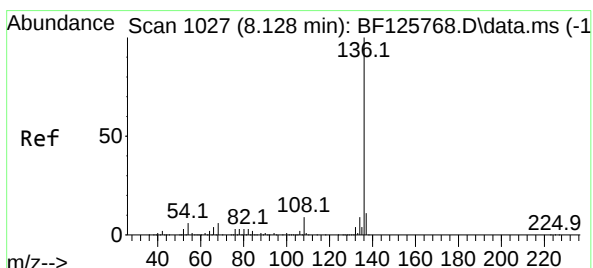
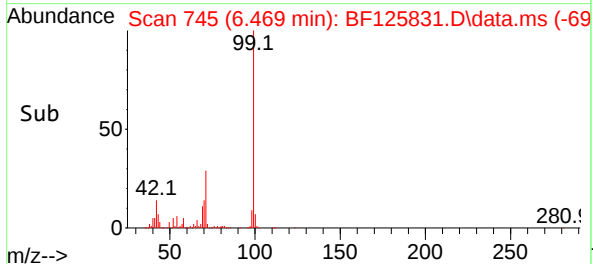
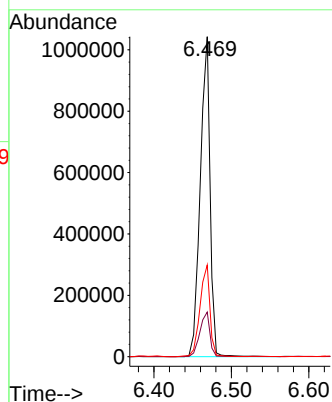
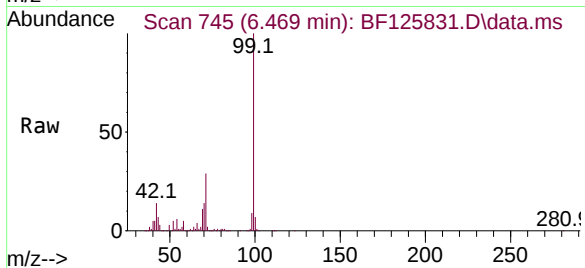




#7
Phenol-d6
Concen: 63.646 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

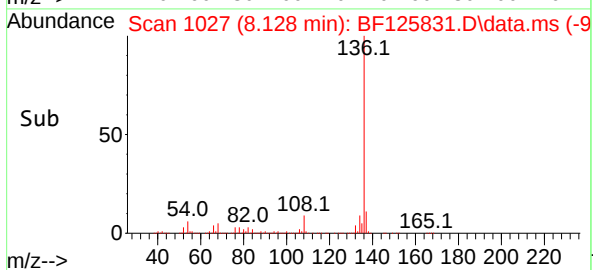
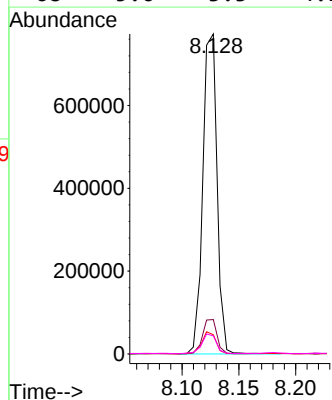
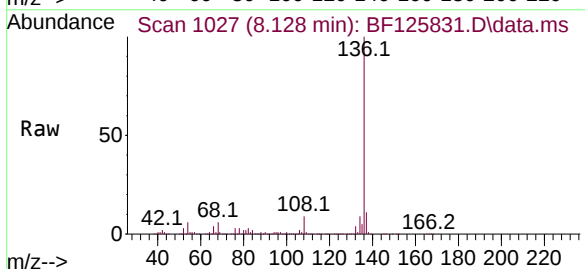
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

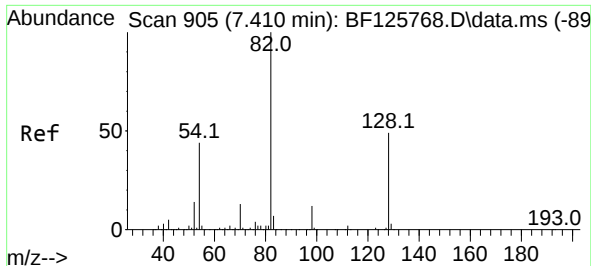
Tgt Ion: 99 Resp: 914599
Ion Ratio Lower Upper
99 100
42 13.9 23.5 35.3#
71 28.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion: 136 Resp: 675753
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 6.0 6.4 9.6#
68 5.6 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 48.127 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF125831.D

Acq: 13 Oct 2021 17:47

Instrument :

BNA_F

ClientSampleId :

CL-02-101221

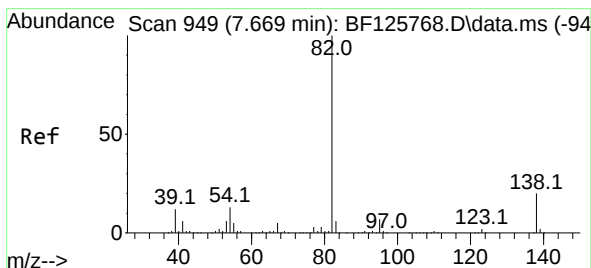
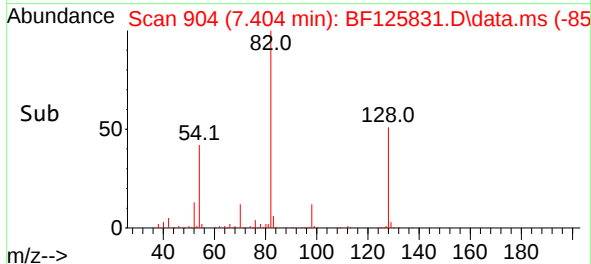
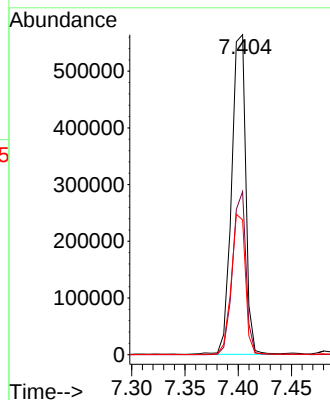
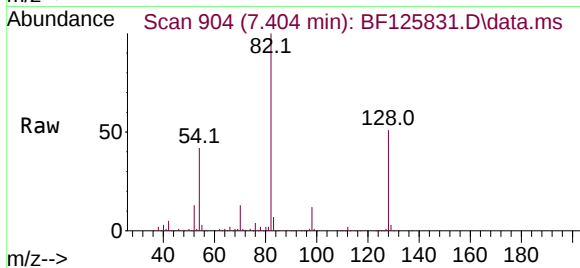
Tgt Ion: 82 Resp: 523196

Ion Ratio Lower Upper

82 100

128 51.0 40.6 60.8

54 42.1 49.6 74.4#



#25

Isophorone

Concen: 26.812 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.265 min

Lab File: BF125831.D

Acq: 13 Oct 2021 17:47

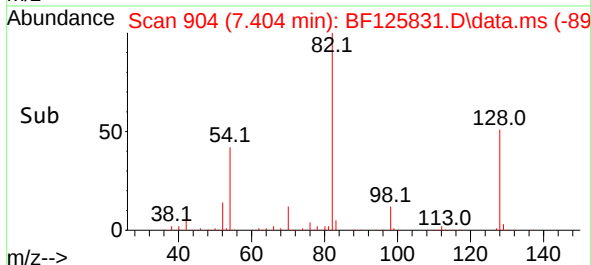
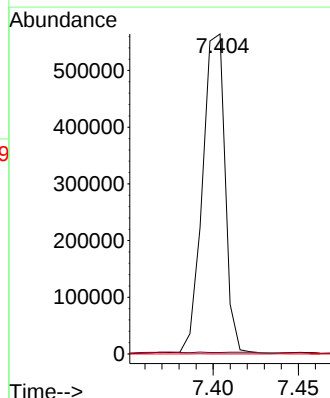
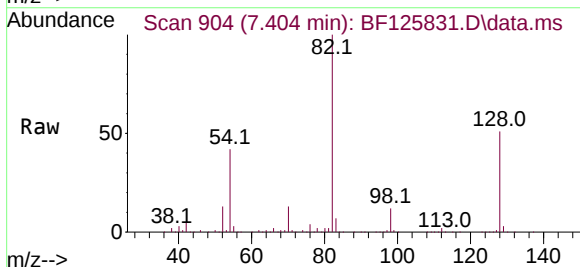
Tgt Ion: 82 Resp: 516398

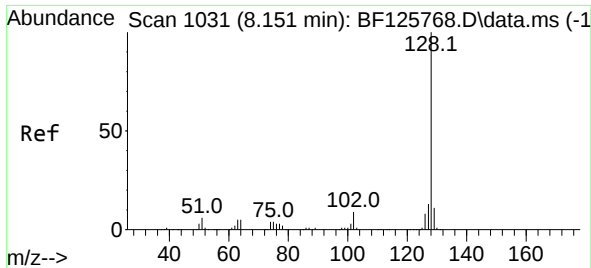
Ion Ratio Lower Upper

82 100

95 0.5 6.5 9.7#

138 0.0 18.4 27.6#

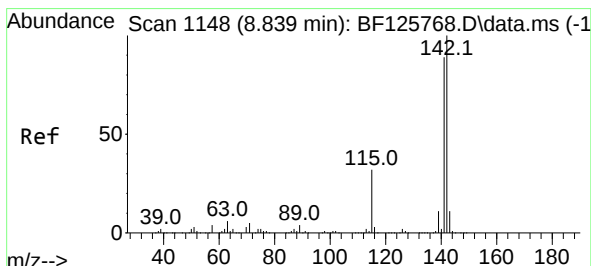
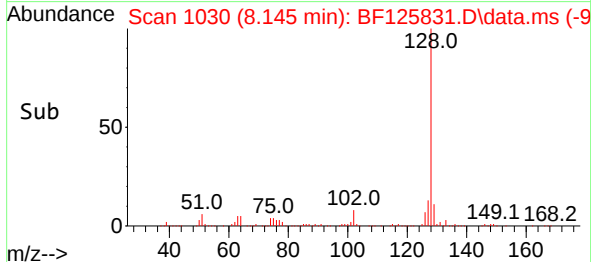
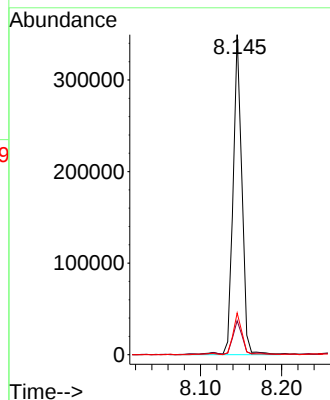
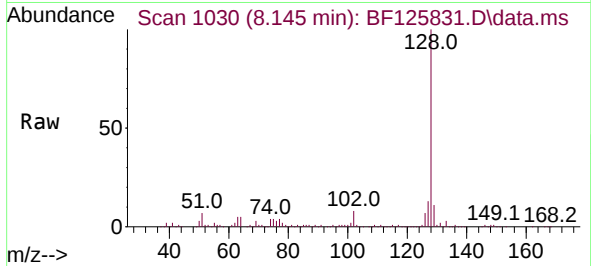




#31
Naphthalene
Concen: 8.068 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

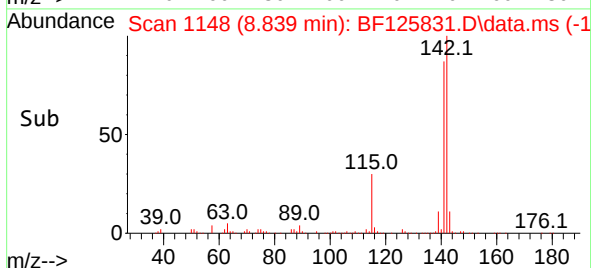
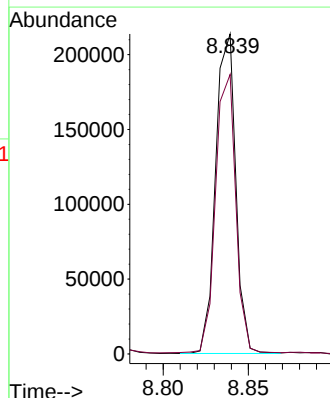
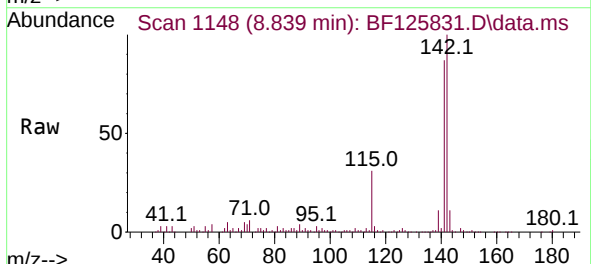
Instrument :
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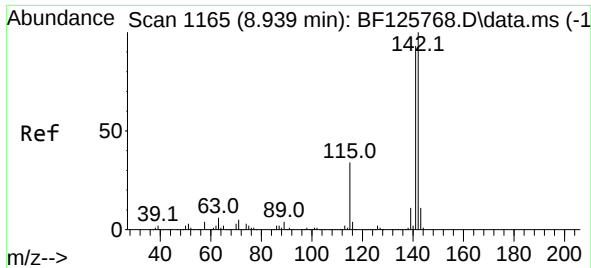
Tgt Ion:128 Resp: 263621
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.0
127 13.0 10.9 16.3



#37
2-Methylnaphthalene
Concen: 8.253 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:142 Resp: 174643
Ion Ratio Lower Upper
142 100
141 87.3 71.2 106.8

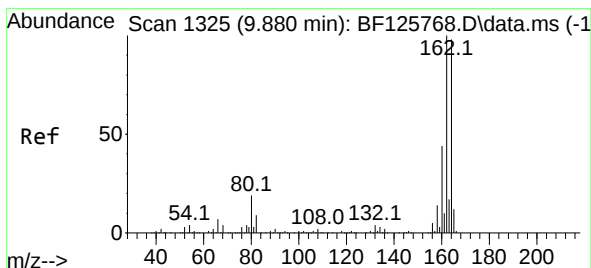
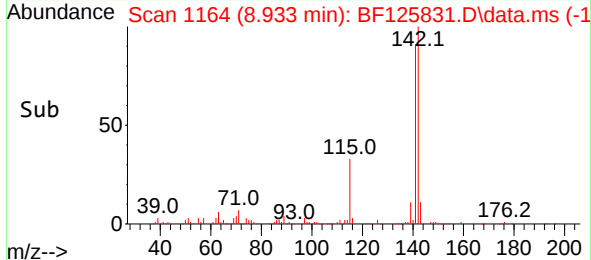
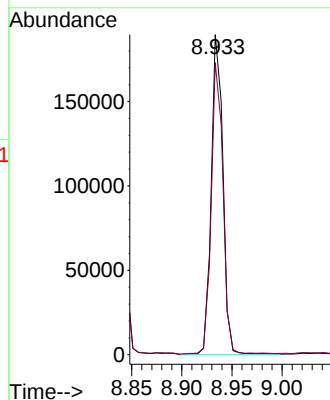
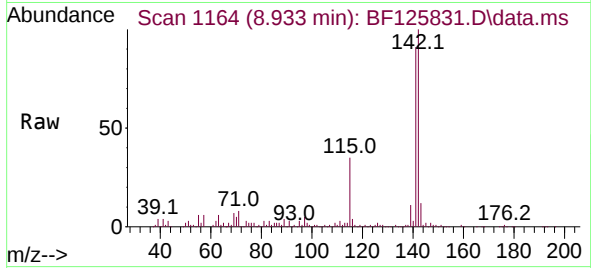




#38
1-Methylnaphthalene
Concen: 7.544 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

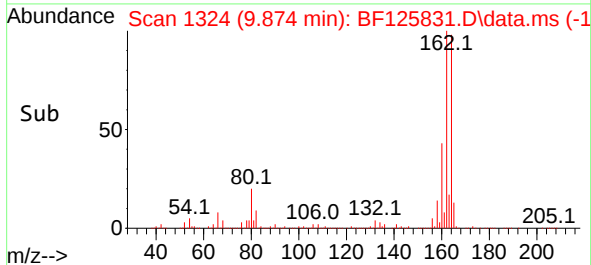
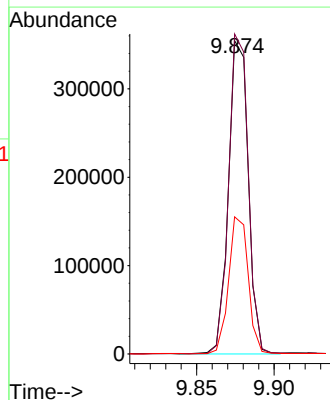
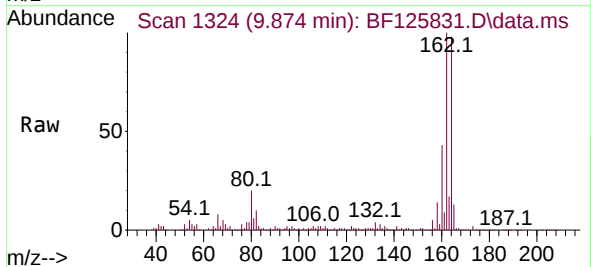
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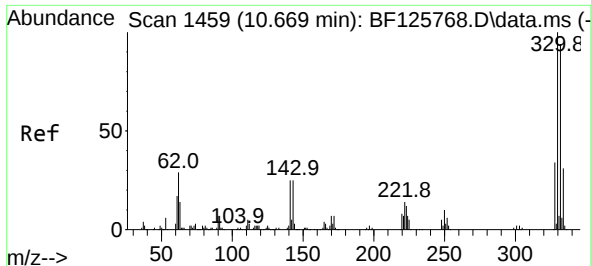
Tgt Ion:142 Resp: 154894
Ion Ratio Lower Upper
142 100
141 91.3 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

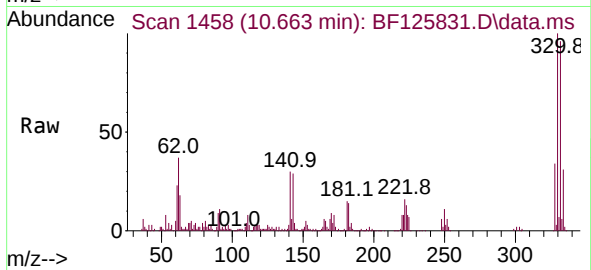
Tgt Ion:164 Resp: 316508
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 43.8 38.0 57.0



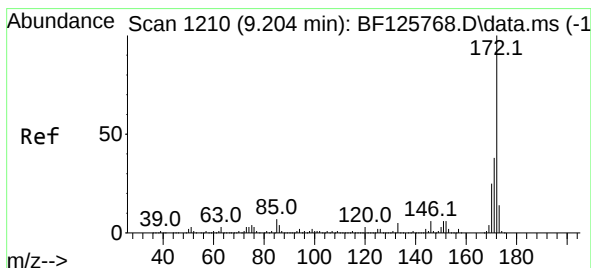
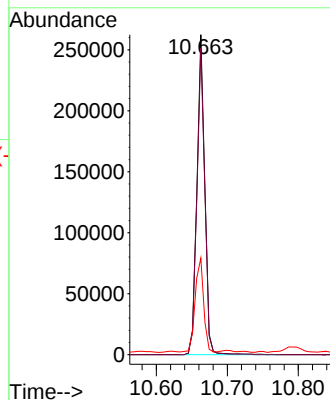
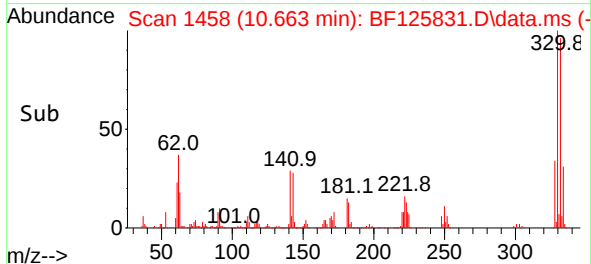


#42
2,4,6-Tribromophenol
Concen: 64.801 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

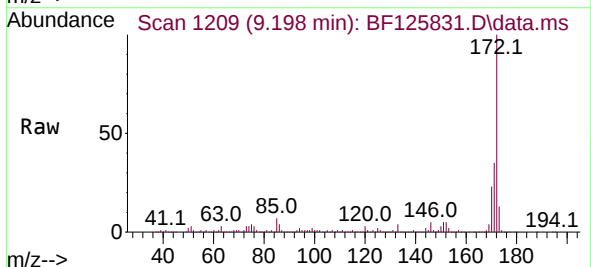
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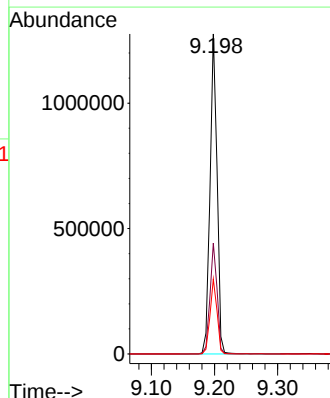
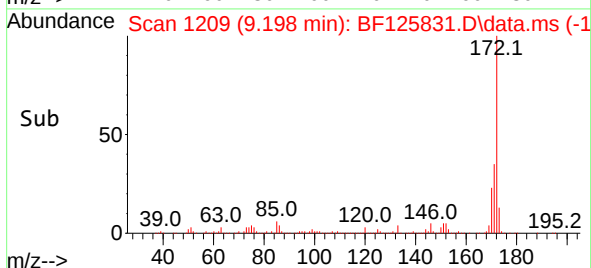
Tgt Ion: 330 Resp: 202499
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 31.4 44.6 66.8#

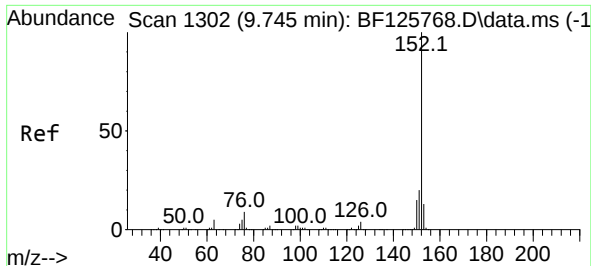


#45
2-Fluorobiphenyl
Concen: 53.877 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47



Tgt Ion: 172 Resp: 988654
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 23.4 18.8 28.2





#49

Acenaphthylene

Concen: 13.504 ng

RT: 9.739 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BF125831.D

Acq: 13 Oct 2021 17:47

Instrument :

BNA_F

ClientSampleId :

CL-02-101221

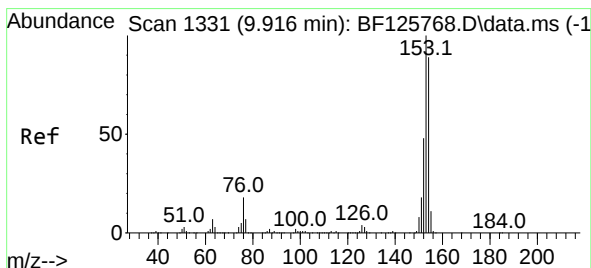
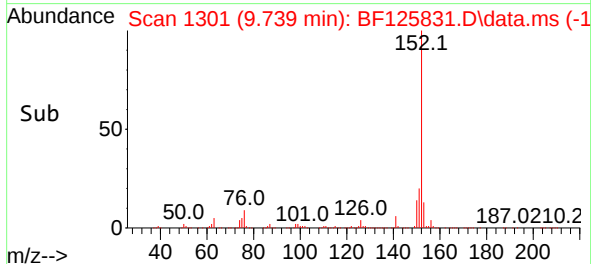
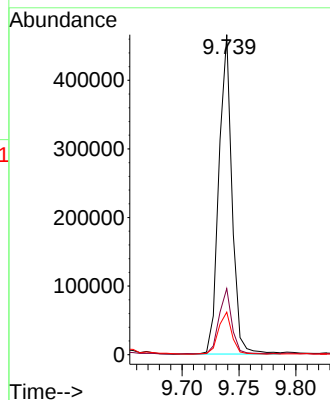
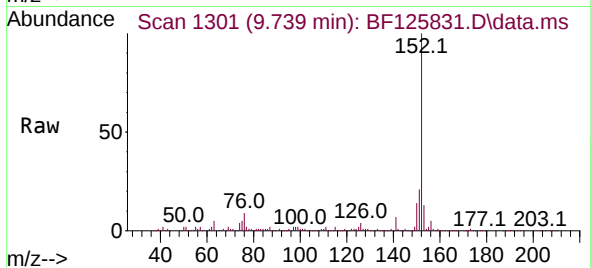
Tgt Ion:152 Resp: 373652

Ion Ratio Lower Upper

152 100

151 20.6 15.7 23.5

153 13.3 9.8 14.8



#52

Acenaphthene

Concen: 4.812 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF125831.D

Acq: 13 Oct 2021 17:47

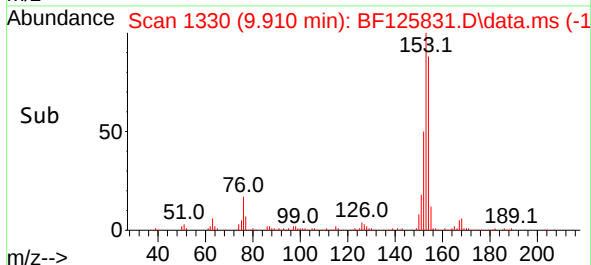
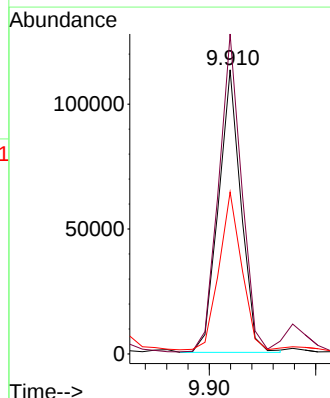
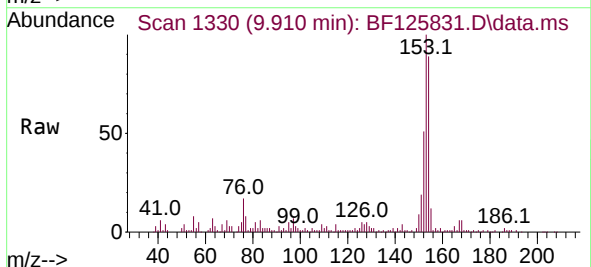
Tgt Ion:154 Resp: 83179

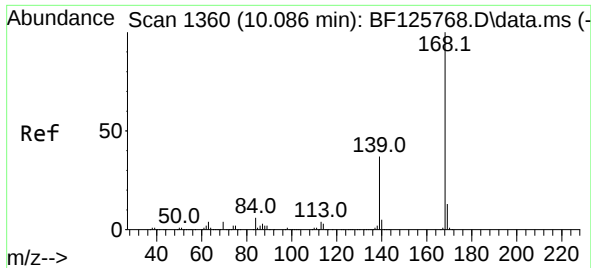
Ion Ratio Lower Upper

154 100

153 112.6 89.4 134.2

152 57.0 40.5 60.7

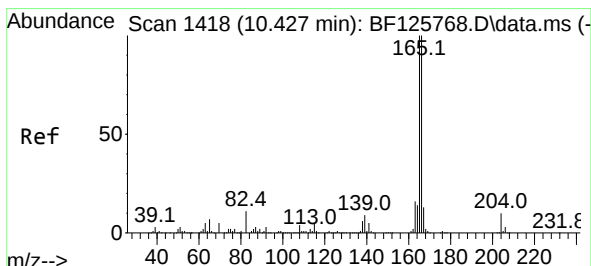
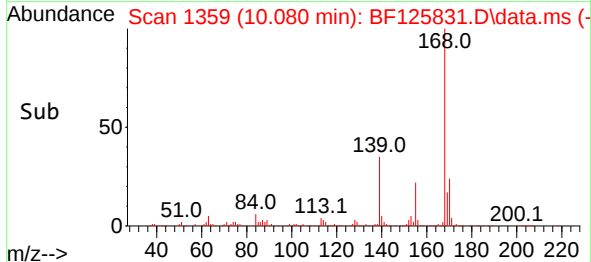
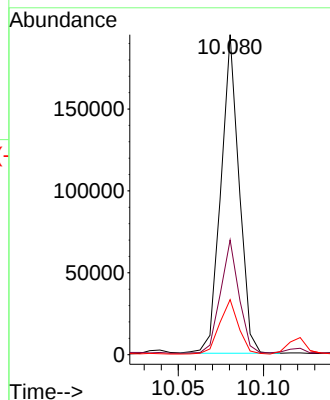
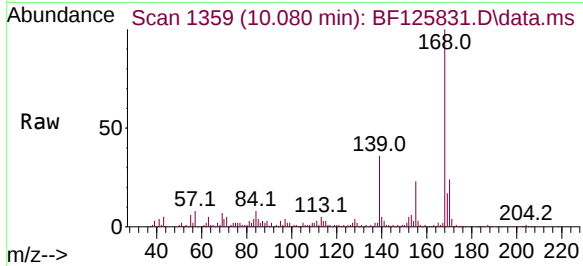




#55
Dibenzenofuran
Concen: 5.585 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

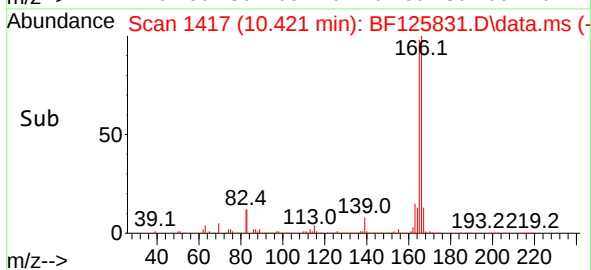
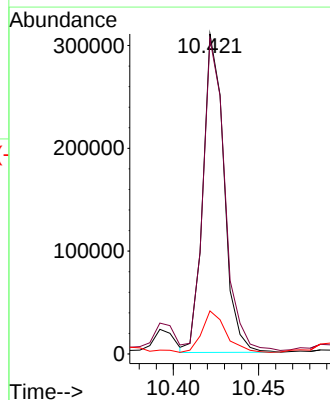
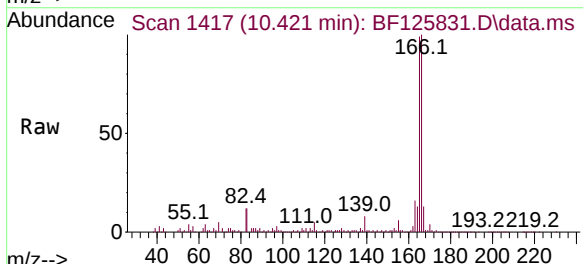
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

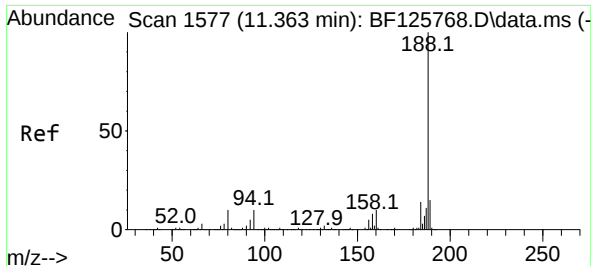
Tgt Ion:168 Resp: 144637
Ion Ratio Lower Upper
168 100
139 35.9 32.7 49.1
169 17.2 11.2 16.8#



#58
Fluorene
Concen: 13.972 ng
RT: 10.421 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:166 Resp: 265012
Ion Ratio Lower Upper
166 100
165 98.5 78.1 117.1
167 13.4 11.1 16.7

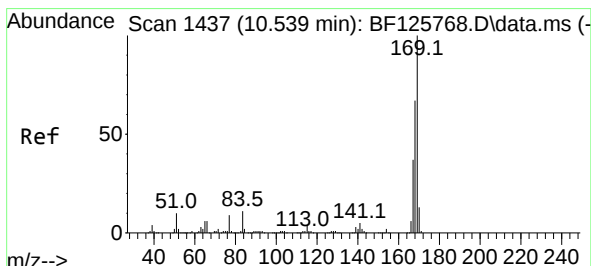
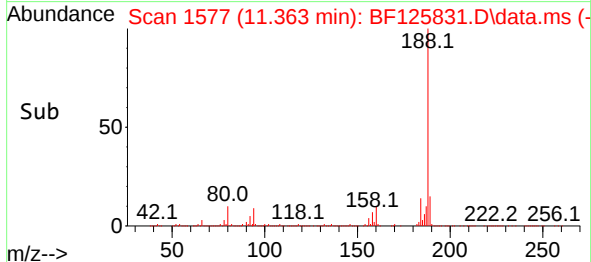
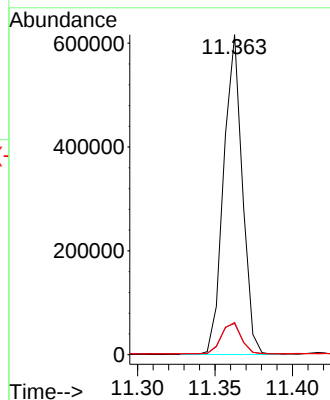
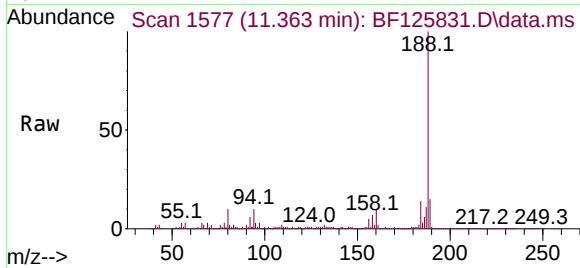




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

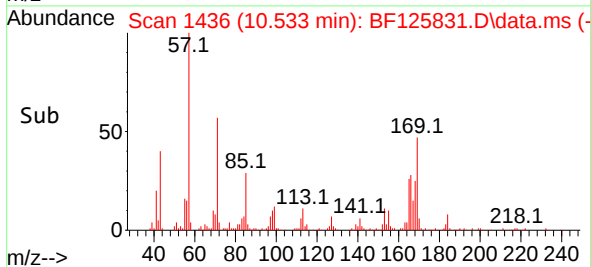
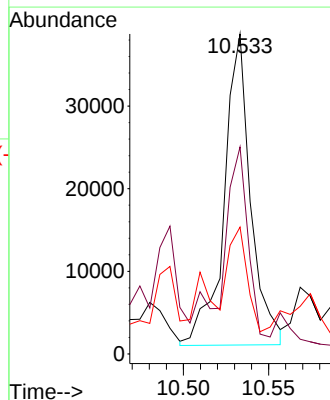
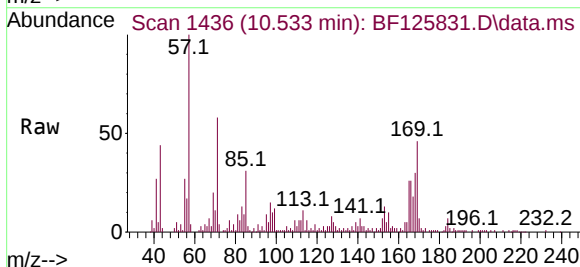
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

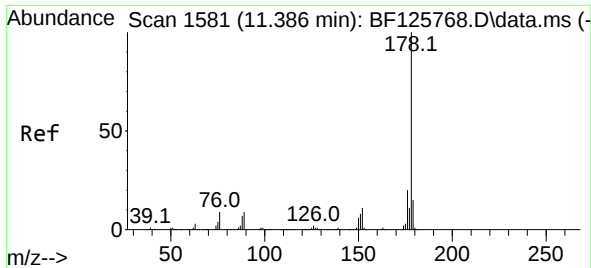
Tgt Ion:188	Resp:	516348
Ion Ratio	Lower	Upper
188	100	
94	9.7	6.7 10.1
80	10.1	7.5 11.3



#66
n-Nitrosodiphenylamine
Concen: 2.328 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:169	Resp:	41002
Ion Ratio	Lower	Upper
169	100	
168	64.7	50.8 76.2
167	39.7	28.8 43.2

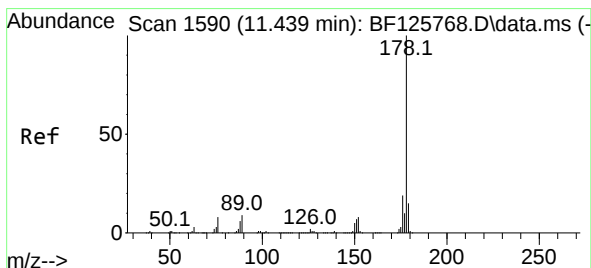
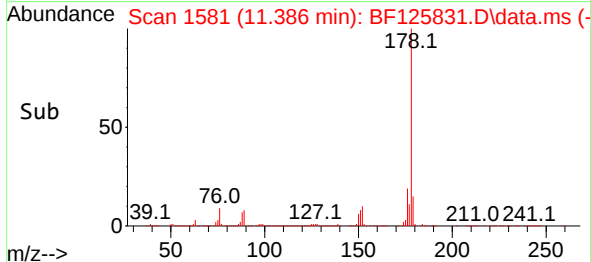
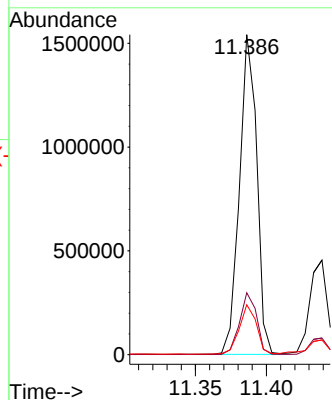
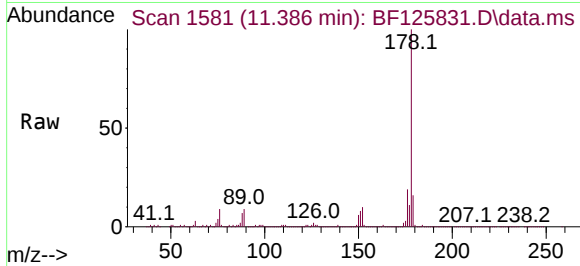




#71
Phenanthrene
Concen: 47.417 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

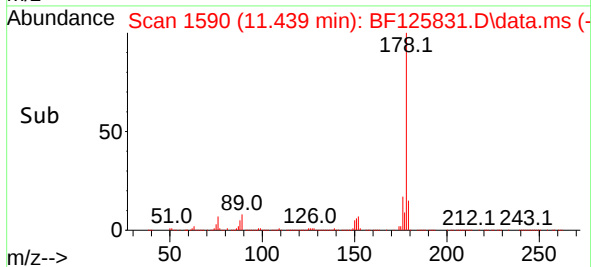
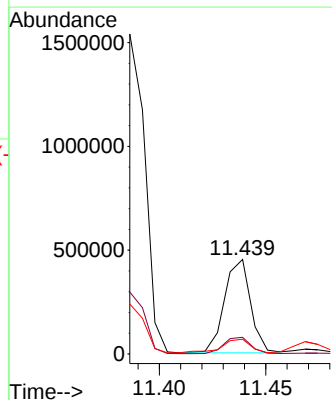
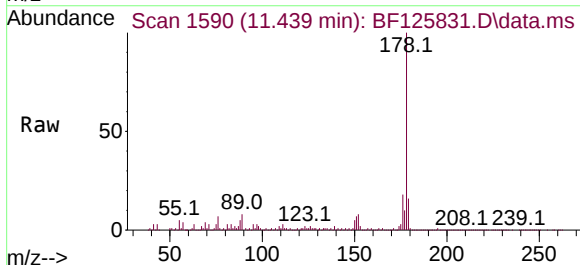
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

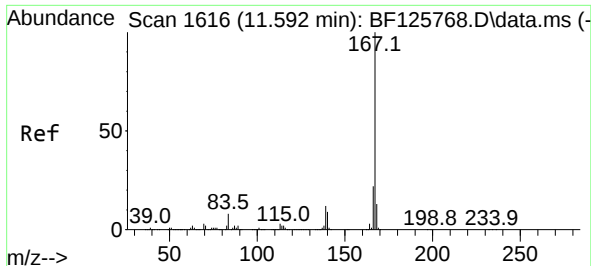
Tgt Ion:178 Resp: 1309990
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.6 11.5 17.3



#72
Anthracene
Concen: 13.914 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:178 Resp: 383927
Ion Ratio Lower Upper
178 100
176 17.5 14.3 21.5
179 15.6 12.2 18.4

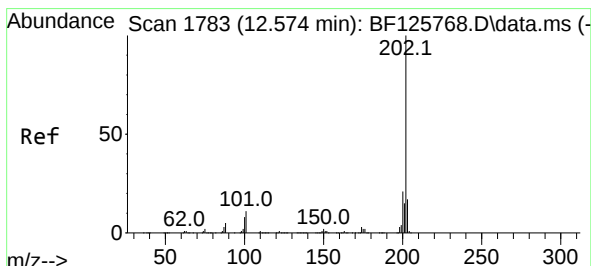
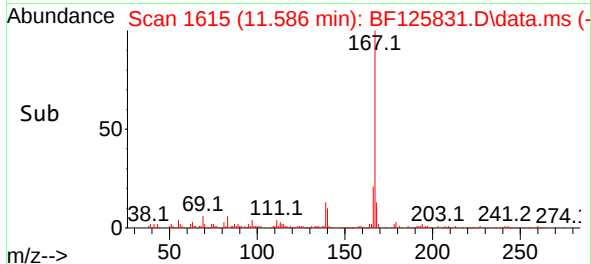
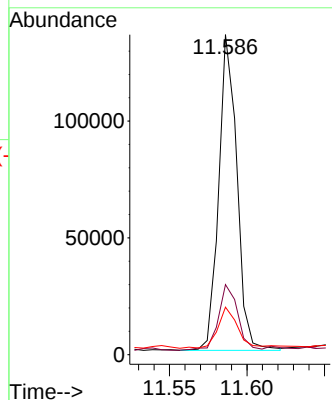
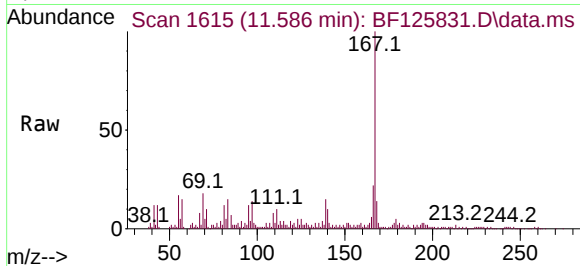




#73
 Carbazole
 Concen: 4.292 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF125831.D
 Acq: 13 Oct 2021 17:47

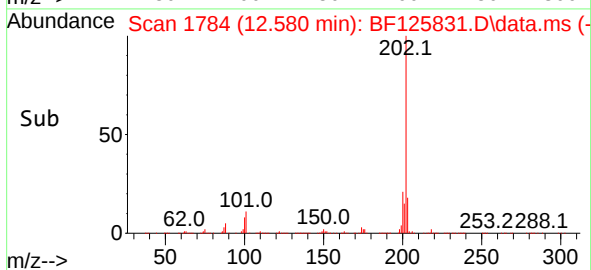
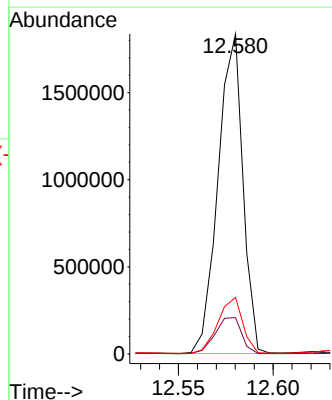
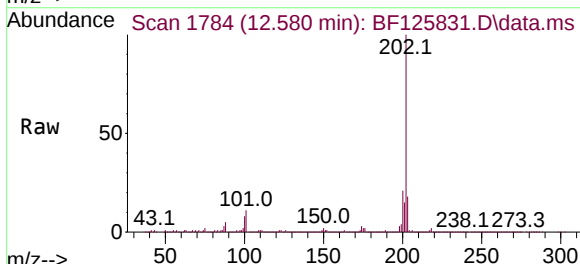
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101221

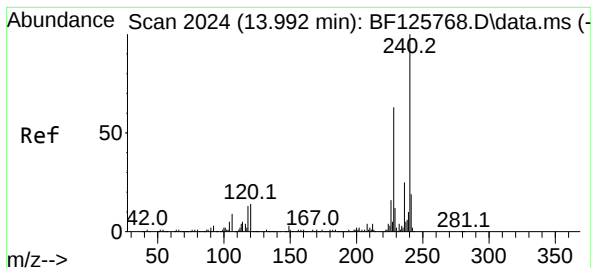
Tgt Ion:167	Resp: 110212
Ion Ratio	Lower Upper
167	100
166	21.9 17.4 26.0
139	14.9 11.0 16.4



#75
 Fluoranthene
 Concen: 67.043 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.006 min
 Lab File: BF125831.D
 Acq: 13 Oct 2021 17:47

Tgt Ion:202	Resp: 1671268
Ion Ratio	Lower Upper
202	100
101	11.3 0.0 30.7
203	17.7 0.0 36.3

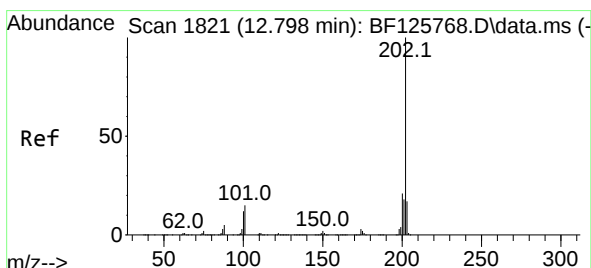
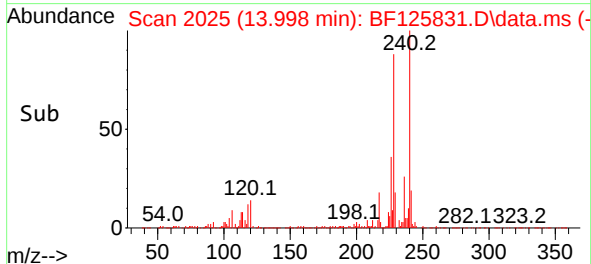
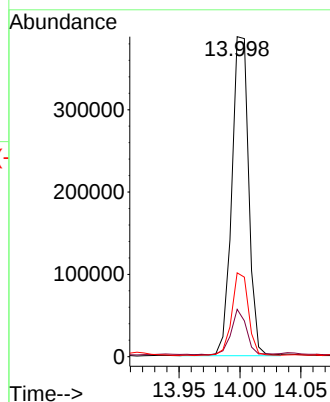
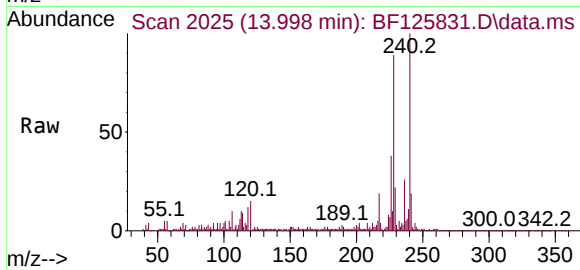




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

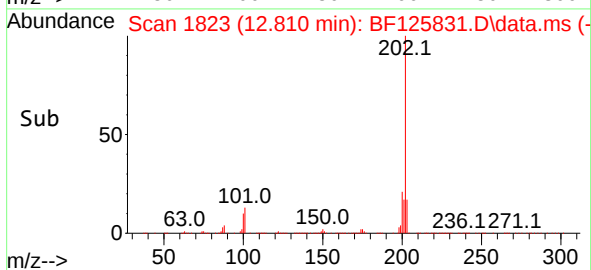
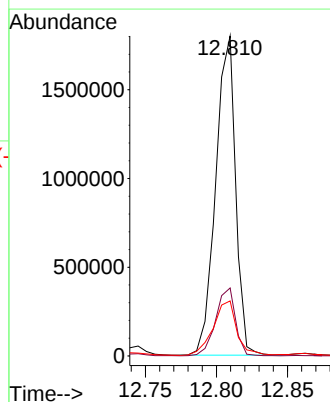
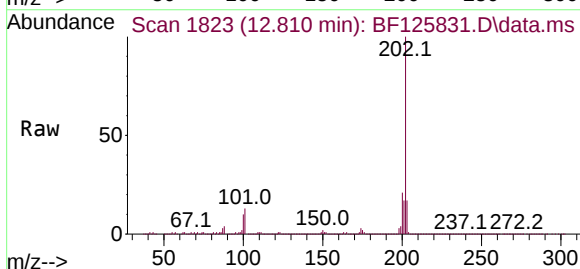
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

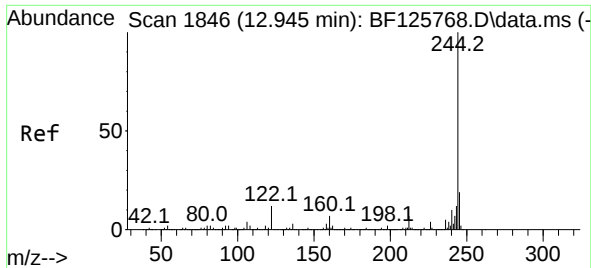
Tgt Ion:240 Resp: 374491
Ion Ratio Lower Upper
240 100
120 14.8 10.8 16.2
236 26.2 21.6 32.4



#78
Pyrene
Concen: 45.963 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:202 Resp: 1748706
Ion Ratio Lower Upper
202 100
200 21.3 15.3 22.9
203 17.2 13.4 20.0



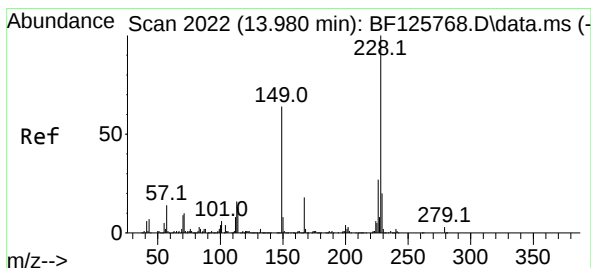
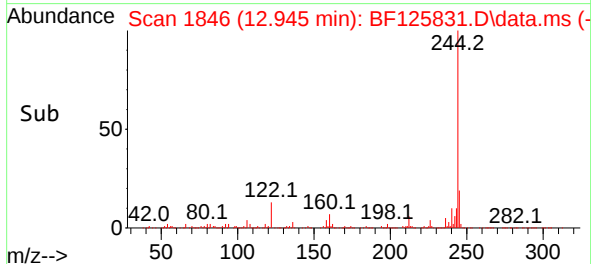
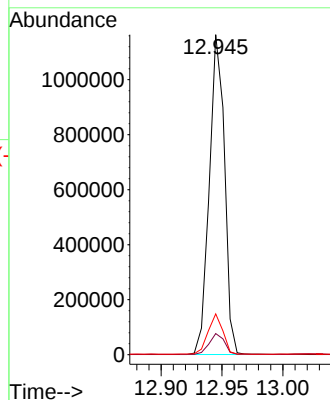
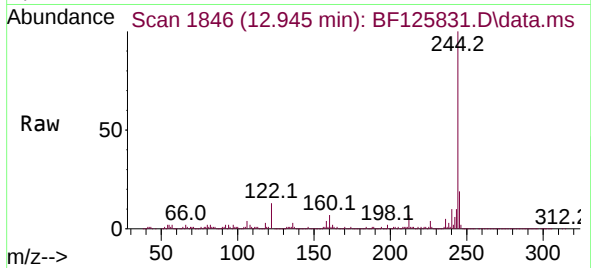


#79
 Terphenyl-d14
 Concen: 41.062 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.000 min
 Lab File: BF125831.D
 Acq: 13 Oct 2021 17:47

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101221

Tgt Ion:244 Resp: 1009500

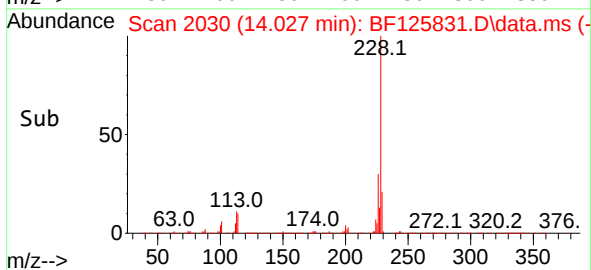
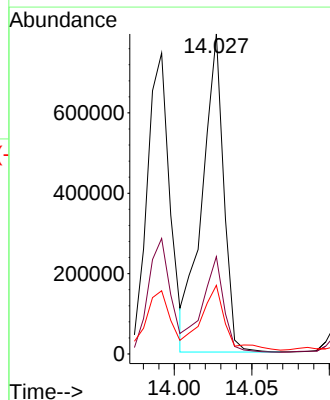
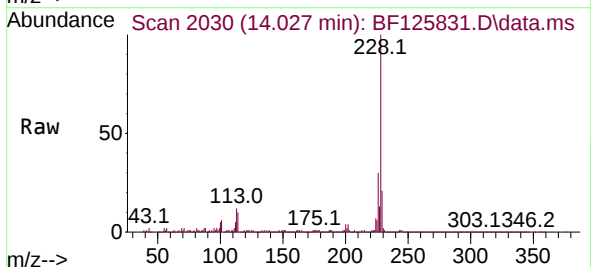
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	12.8	9.0	13.4

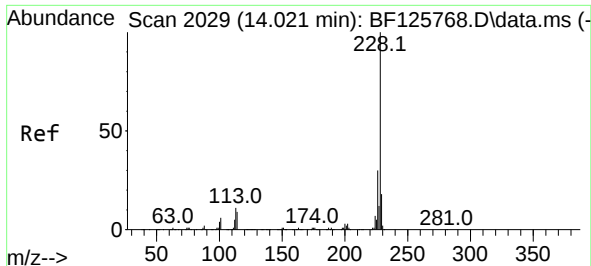


#81
 Benzo(a)anthracene
 Concen: 31.377 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.041 min
 Lab File: BF125831.D
 Acq: 13 Oct 2021 17:47

Tgt Ion:228 Resp: 762350

Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.6	32.4
229	21.4	15.6	23.4

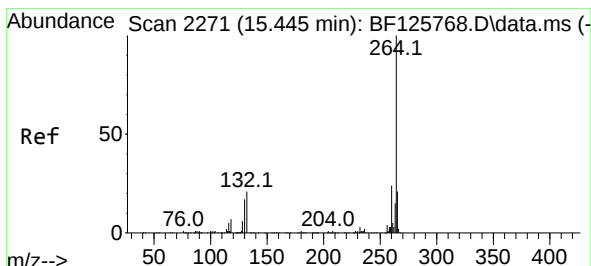
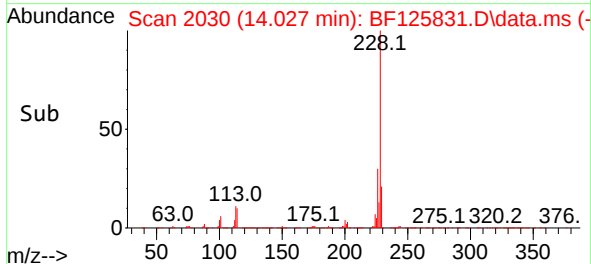
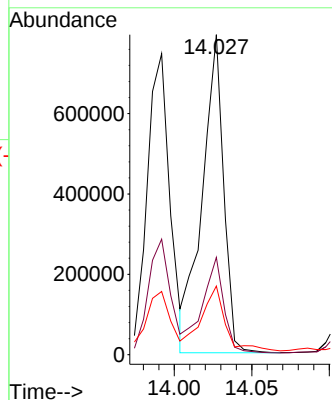
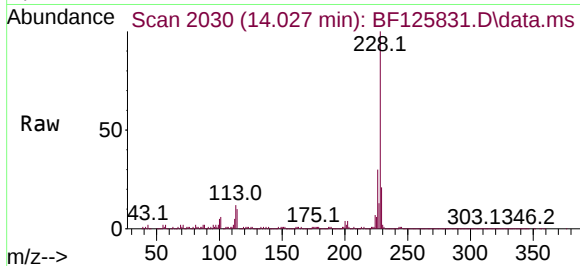




#83
Chrysene
Concen: 31.745 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

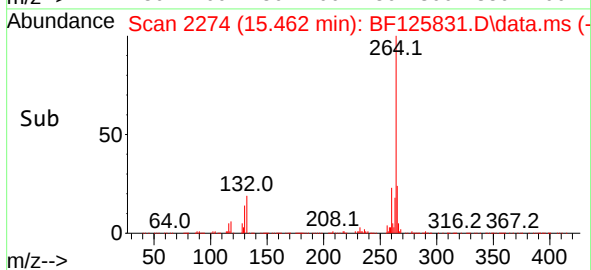
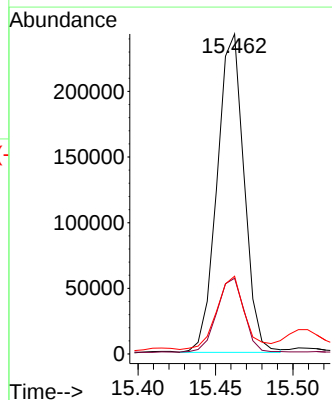
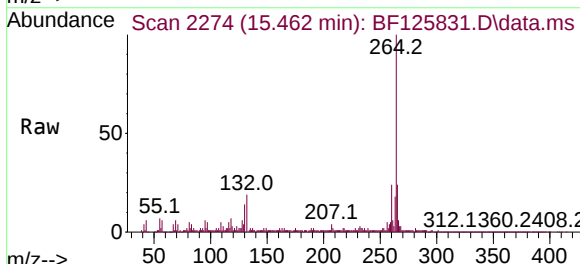
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

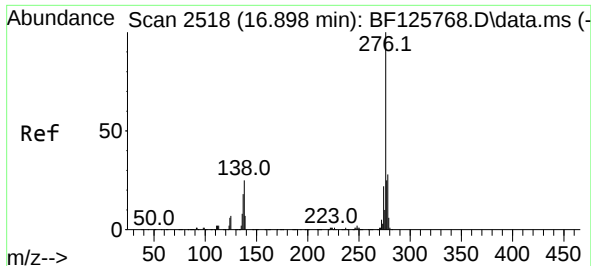
Tgt Ion:228	Resp: 762350
Ion Ratio	Lower Upper
228 100	
226 30.4	22.6 34.0
229 21.4	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.012 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:264	Resp: 293411
Ion Ratio	Lower Upper
264 100	
260 23.7	19.6 29.4
265 24.3	17.2 25.8

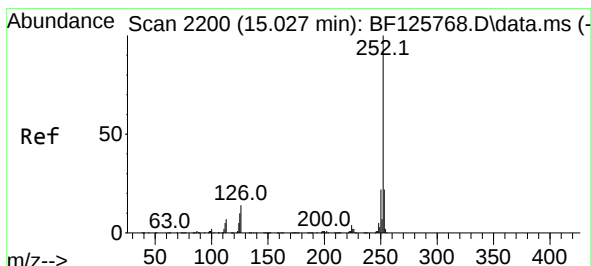
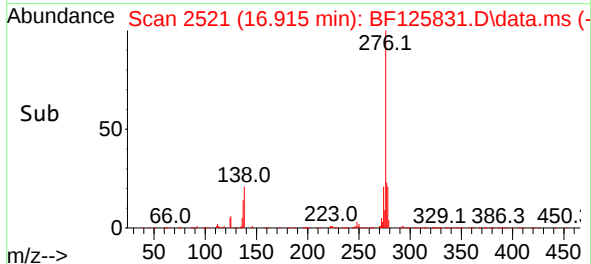
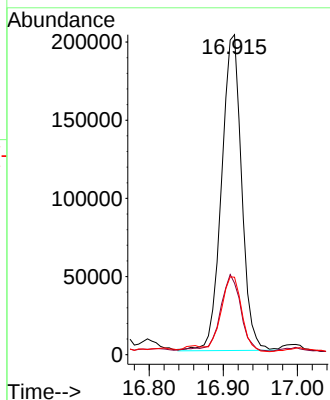
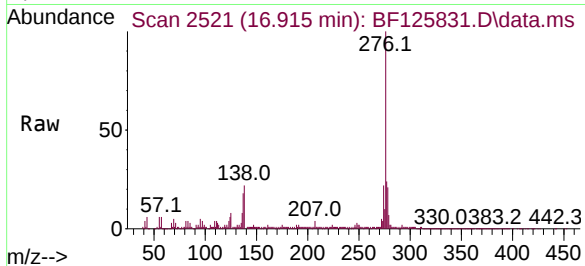




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.977 ng
RT: 16.915 min Scan# 2521
Delta R.T. 0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

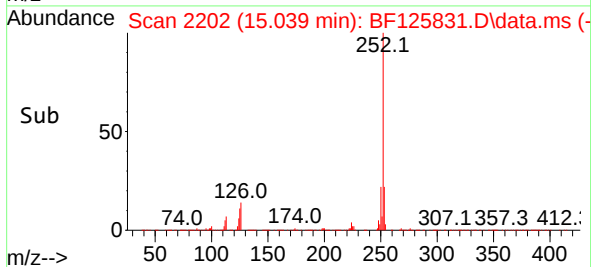
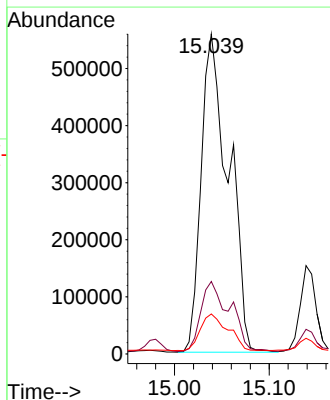
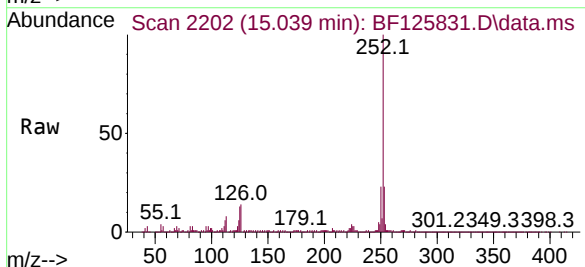
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

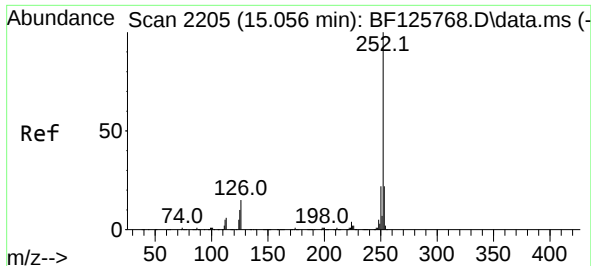
Tgt Ion:276 Resp: 380180
Ion Ratio Lower Upper
276 100
138 24.8 24.1 36.1
277 24.6 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 67.960 ng
RT: 15.039 min Scan# 2202
Delta R.T. 0.012 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:252 Resp: 1125771
Ion Ratio Lower Upper
252 100
253 22.7 16.8 25.2
125 12.5 9.8 14.8

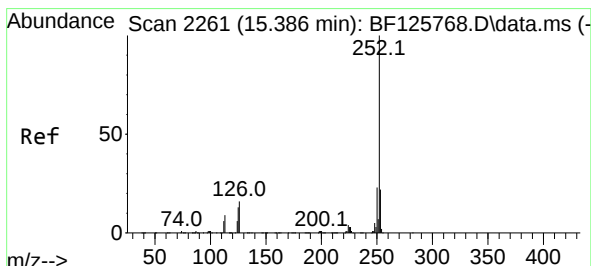
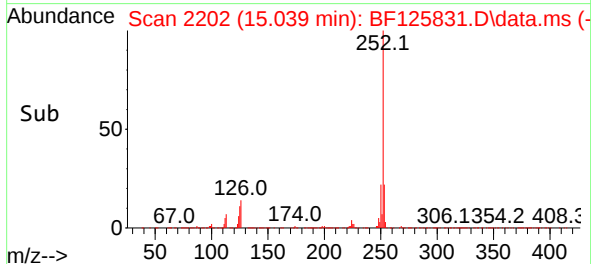
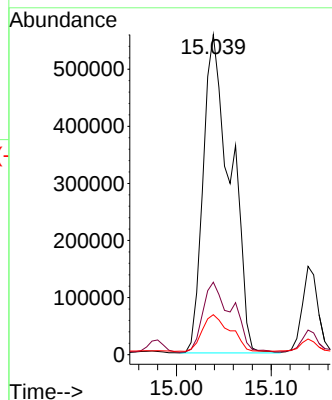
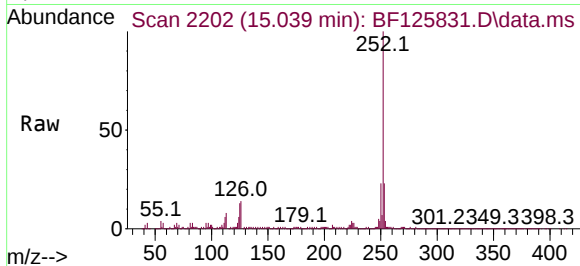




#89
Benzo(k)fluoranthene
Concen: 66.193 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.024 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

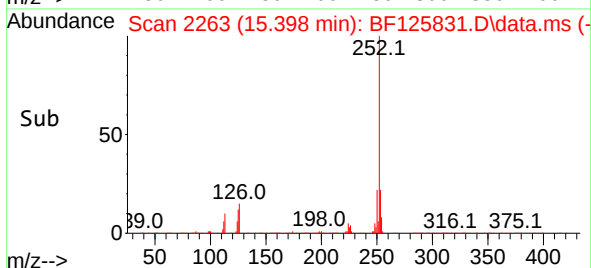
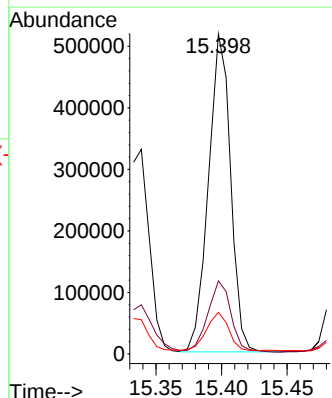
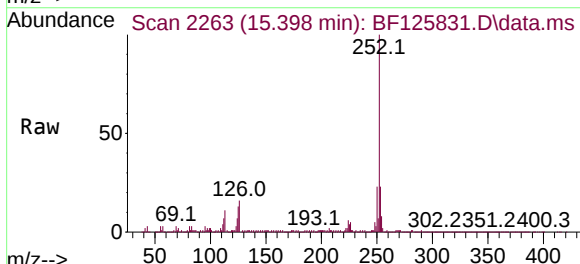
Instrument :
BNA_F
ClientSampleId :
CL-02-101221

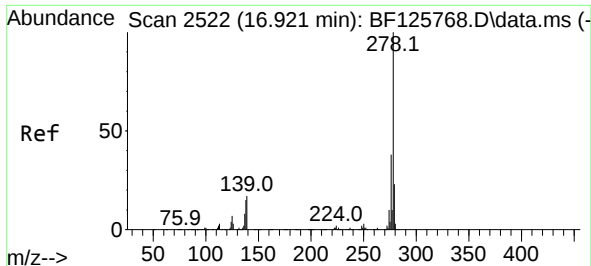
Tgt Ion:252 Resp: 1125771
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 12.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 41.381 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:252 Resp: 607039
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 13.0 9.9 14.9

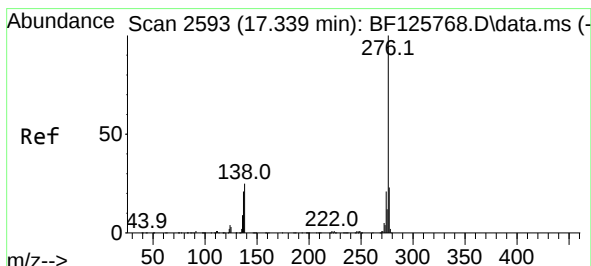
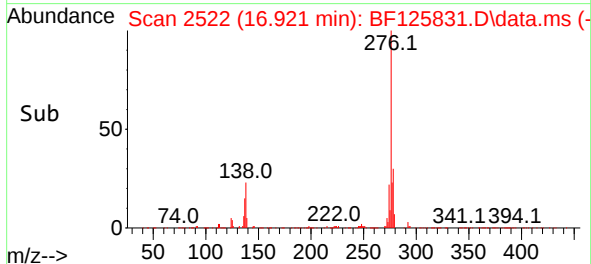
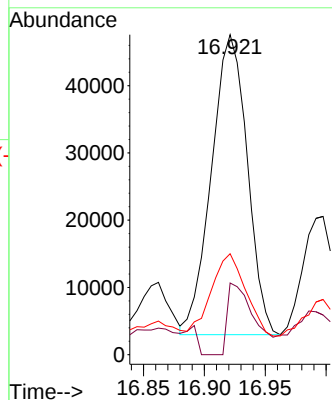
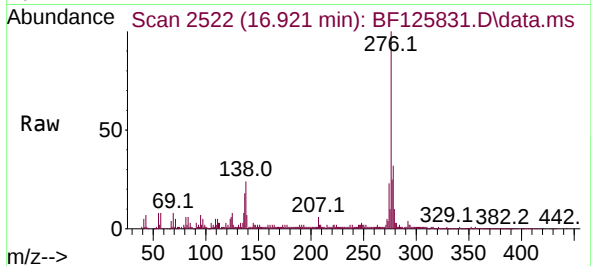




#91
Dibenzo(a,h)anthracene
Concen: 4.943 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Instrument :
BNA_F
ClientSampleId :
CL-02-101221

Tgt Ion:278 Resp: 91304
Ion Ratio Lower Upper
278 100
139 22.4 14.9 22.3#
279 31.5 19.7 29.5#



#92
Benzo(g,h,i)perylene
Concen: 19.227 ng
RT: 17.356 min Scan# 2596
Delta R.T. 0.006 min
Lab File: BF125831.D
Acq: 13 Oct 2021 17:47

Tgt Ion:276 Resp: 362706
Ion Ratio Lower Upper
276 100
277 23.8 22.0 33.0
138 25.2 22.2 33.4

