

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022123\
 Data File : BF132497.D
 Acq On : 21 Feb 2023 15:57
 Operator : CG\JU
 Sample : 01552-01DL2 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0DL2

Quant Time: Feb 22 00:51:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 16:43:07 2023
 Response via : Initial Calibration

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

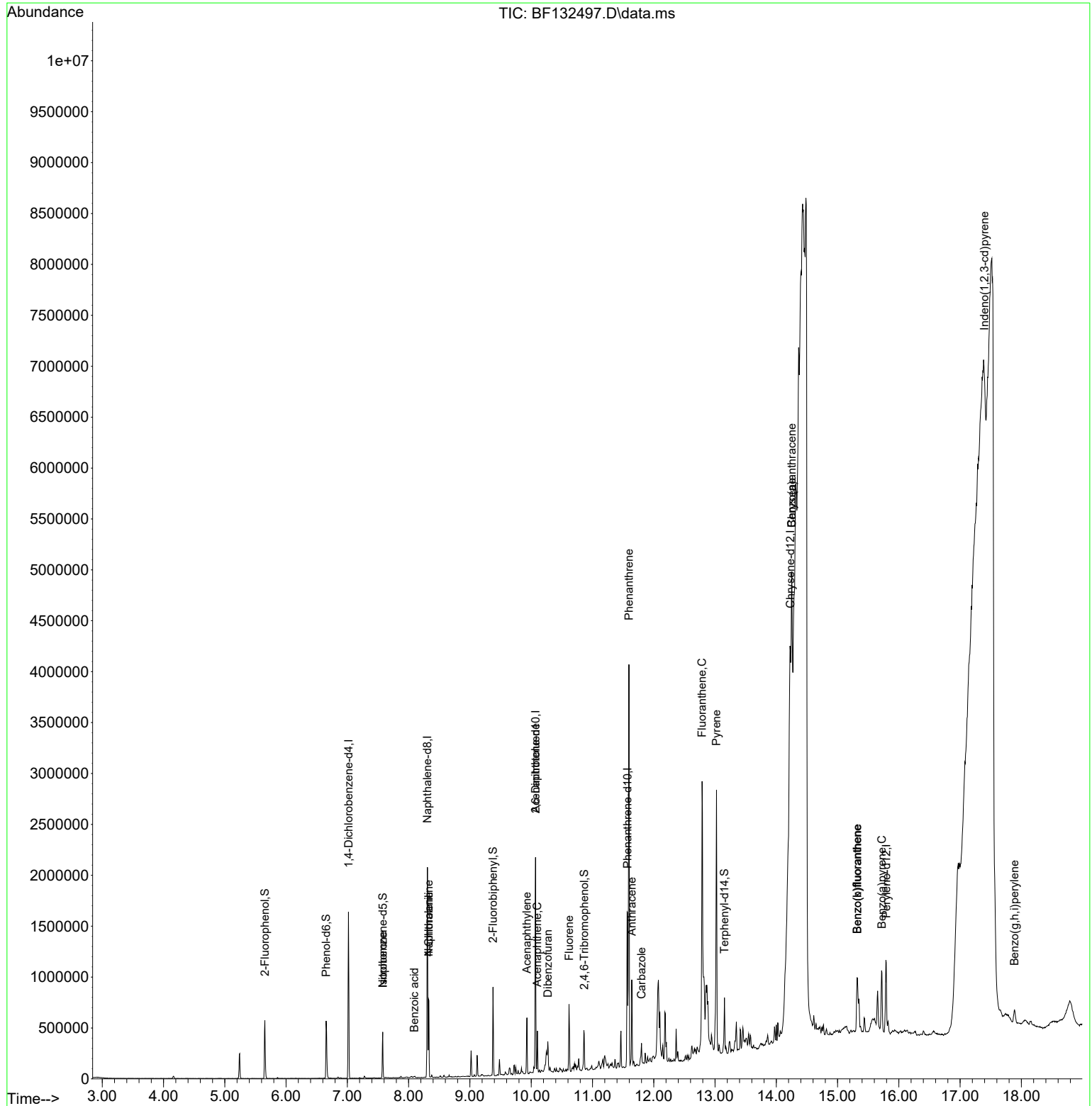
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.019	152	223535	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	808673	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	406211	20.000	ng	0.00
64) Phenanthrene-d10	11.571	188	644103	20.000	ng	0.00
76) Chrysene-d12	14.230	240	361532	20.000	ng	0.00
86) Perylene-d12	15.795	264	364074	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	162366	11.639	ng	0.01
7) Phenol-d6	6.654	99	209335	11.492	ng	0.00
23) Nitrobenzene-d5	7.578	82	127231	7.560	ng	-0.02
42) 2,4,6-Tribromophenol	10.866	330	36059	8.897	ng	0.00
45) 2-Fluorobiphenyl	9.377	172	229906	8.740	ng	-0.01
79) Terphenyl-d14	13.154	244	179669	9.051	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.578	82	126309	3.819	ng	# 68
31) Naphthalene	8.331	128	321862	7.669	ng	98
32) Benzoic acid	8.095	122	1213	7.260	ng	# 17
33) 4-Chloroaniline	8.331	127	41166	2.361	ng	# 33
49) Acenaphthylene	9.930	152	203054	5.179	ng	99
51) 2,6-Dinitrotoluene	10.072	165	56184	8.636	ng	# 20
52) Acenaphthene	10.101	154	72231	2.960	ng	99
55) Dibenzofuran	10.272	168	90424	2.498	ng	98
58) Fluorene	10.619	166	168447	6.154	ng	98
71) Phenanthrene	11.595	178	1388595	41.858	ng	100
72) Anthracene	11.642	178	309651	9.080	ng	100
73) Carbazole	11.801	167	91983	2.996	ng	96
75) Fluoranthene	12.789	202	969389	26.203	ng	99
78) Pyrene	13.024	202	1001270	32.602	ng	100
81) Benzo(a)anthracene	14.254	228	296159	11.185	ng	98
83) Chrysene	14.254	228	296159	11.706	ng	97
87) Indeno(1,2,3-cd)pyrene	17.395	276	88023	3.782	ng	# 74
88) Benzo(b)fluoranthene	15.324	252	513098	21.431	ng	97
89) Benzo(k)fluoranthene	15.324	252	513098	21.416	ng	97
90) Benzo(a)pyrene	15.724	252	314206	14.122	ng	99
92) Benzo(g,h,i)perylene	17.889	276	124465	6.323	ng	99

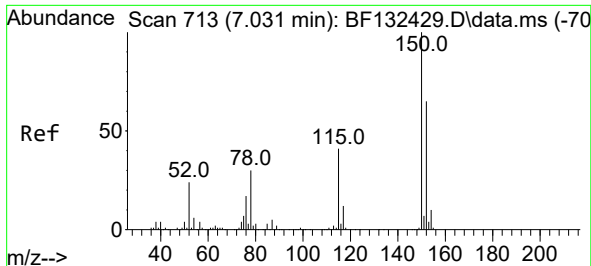
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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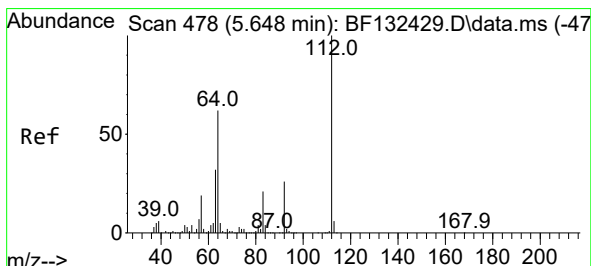
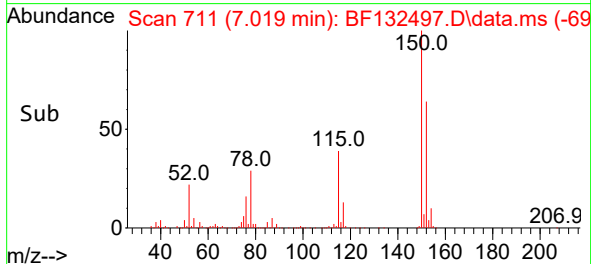
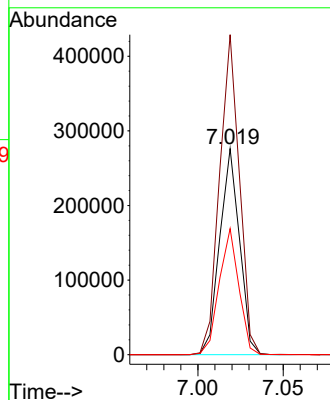
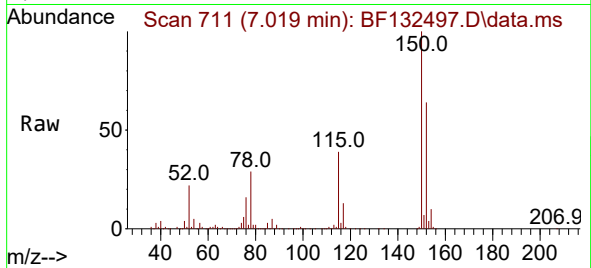




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.019 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

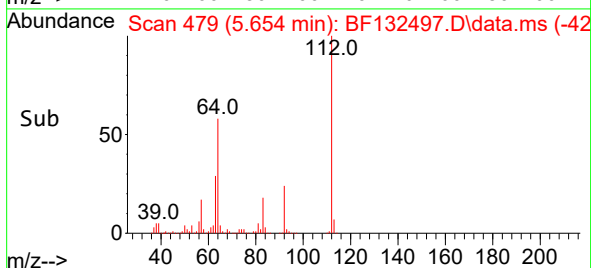
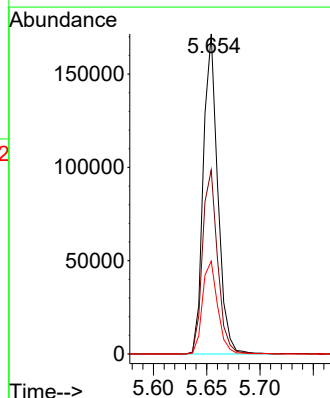
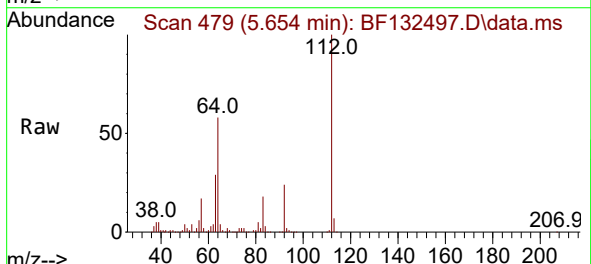
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0DL2

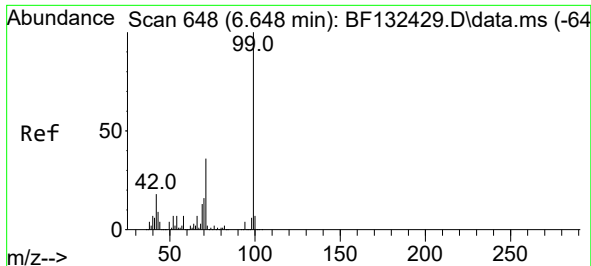
Tgt Ion:152 Resp: 223535
Ion Ratio Lower Upper
152 100
150 155.2 123.8 185.8
115 61.1 50.4 75.6



#5
2-Fluorophenol
Concen: 11.639 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.012 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion:112 Resp: 162366
Ion Ratio Lower Upper
112 100
64 57.5 49.7 74.5
63 29.0 25.8 38.8

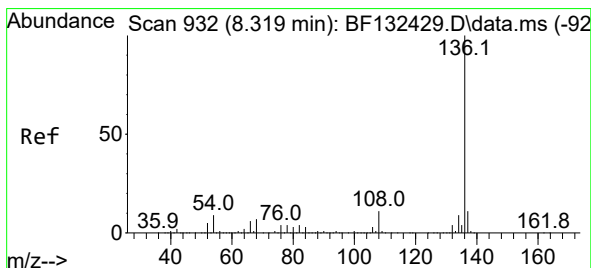
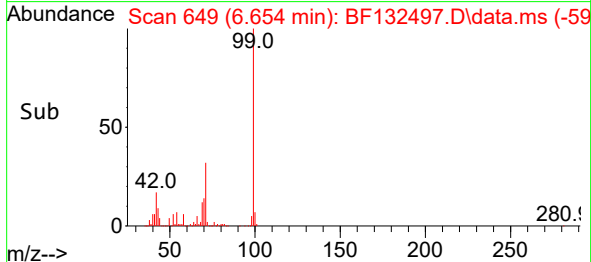
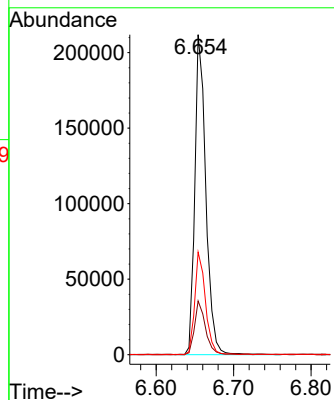
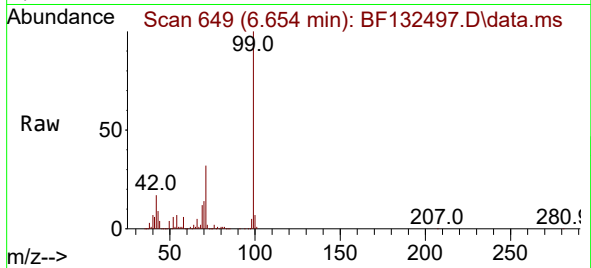




#7
Phenol-d6
Concen: 11.492 ng
RT: 6.654 min Scan# 648
Delta R.T. 0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

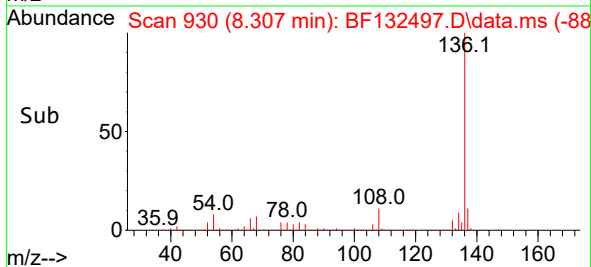
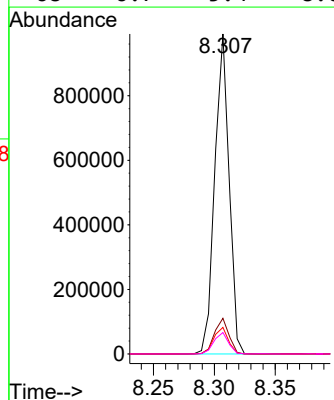
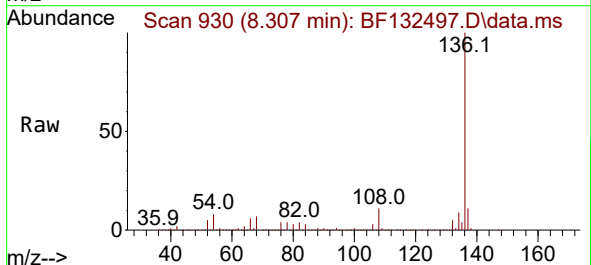
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0DL2

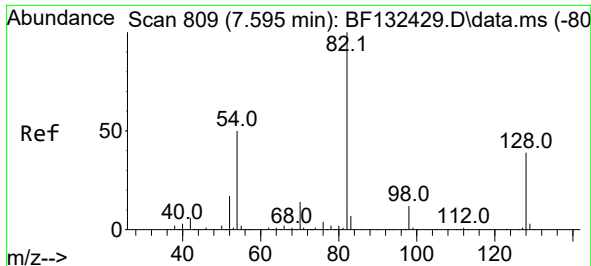
Tgt Ion: 99 Resp: 209335
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 32.0 28.7 43.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 930
Delta R.T. -0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion: 136 Resp: 808673
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 6.9 10.3
68 6.7 5.4 8.0

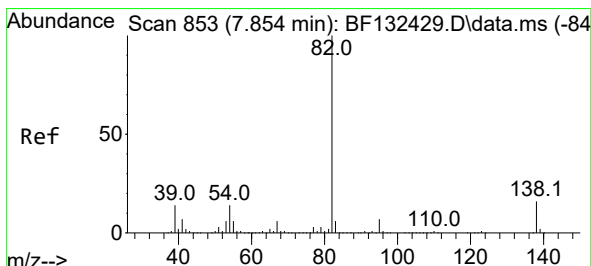
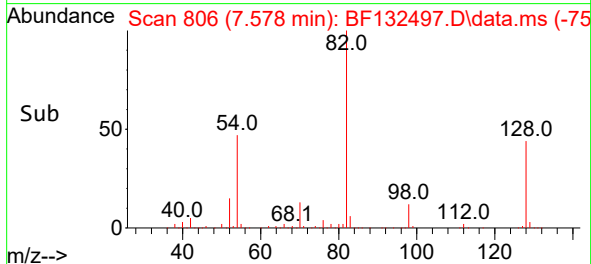
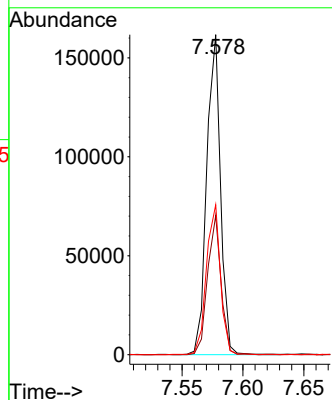
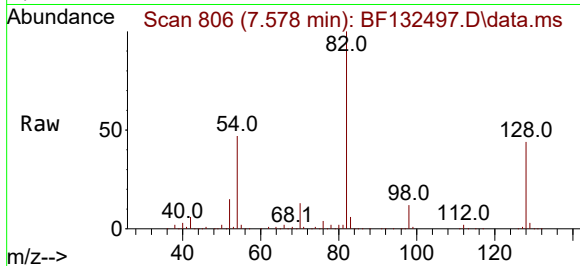




#23
Nitrobenzene-d5
Concen: 7.560 ng
RT: 7.578 min Scan# 806
Delta R.T. -0.018 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

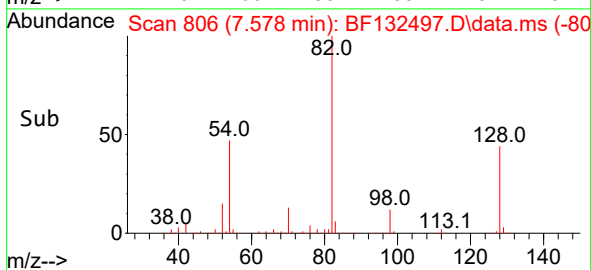
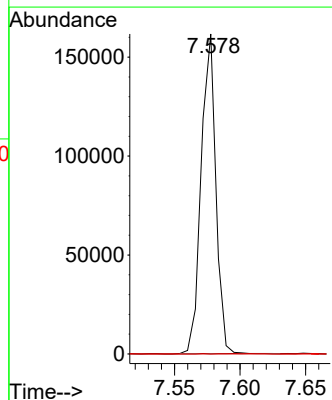
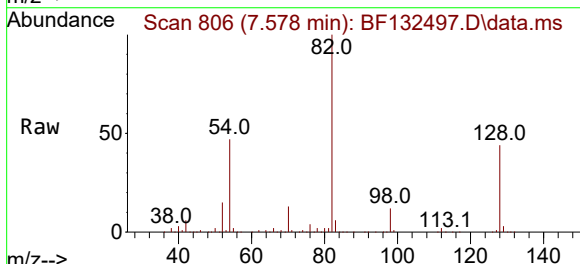
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0DL2

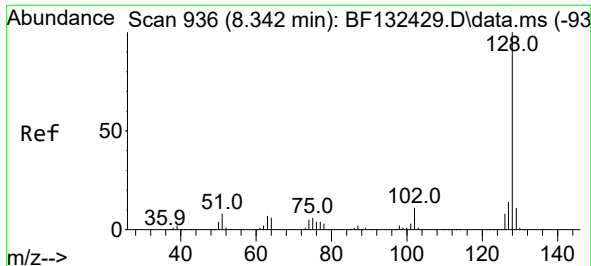
Tgt Ion: 82 Resp: 127231
Ion Ratio Lower Upper
82 100
128 43.5 30.8 46.2
54 46.9 40.2 60.4



#25
Isophorone
Concen: 3.819 ng
RT: 7.578 min Scan# 806
Delta R.T. -0.271 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion: 82 Resp: 126309
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#





#31

Naphthalene

Concen: 7.669 ng

RT: 8.331 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

Instrument :

BNA_F

ClientSampleId :

SB-01-0-2.0DL2

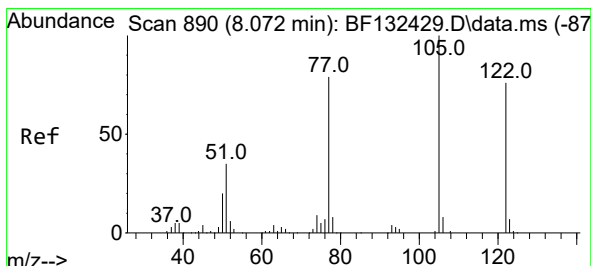
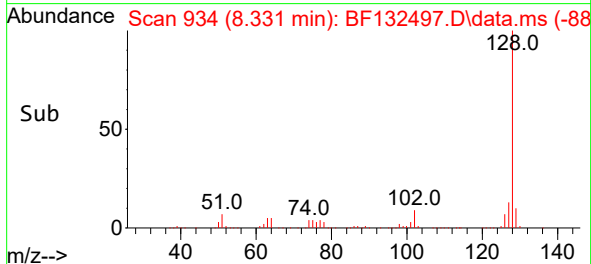
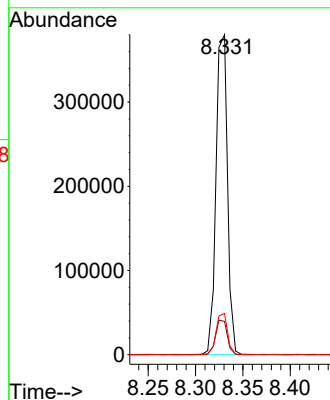
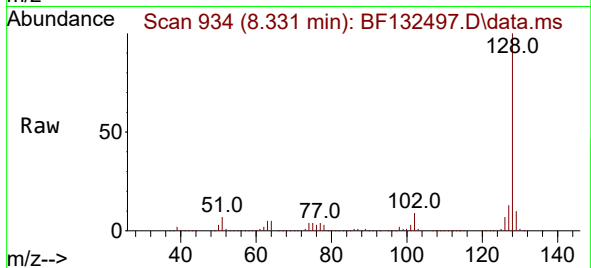
Tgt Ion:128 Resp: 321862

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

127 12.8 11.0 16.4



#32

Benzoic acid

Concen: 7.260 ng

RT: 8.095 min Scan# 894

Delta R.T. 0.018 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

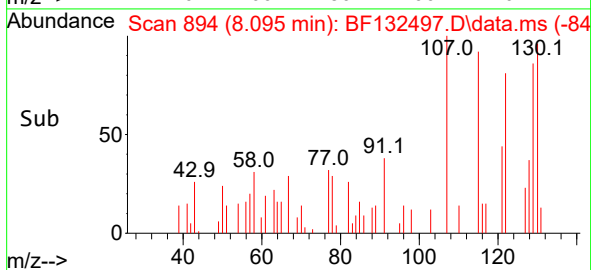
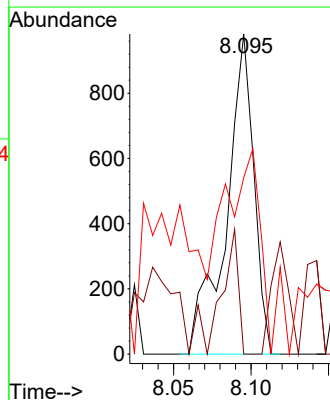
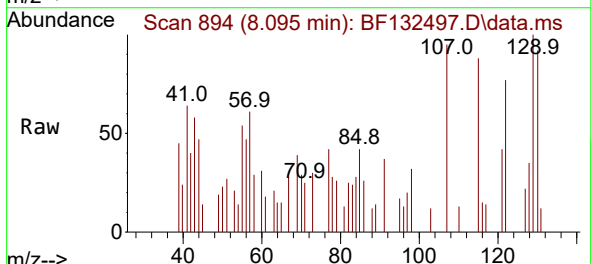
Tgt Ion:122 Resp: 1213

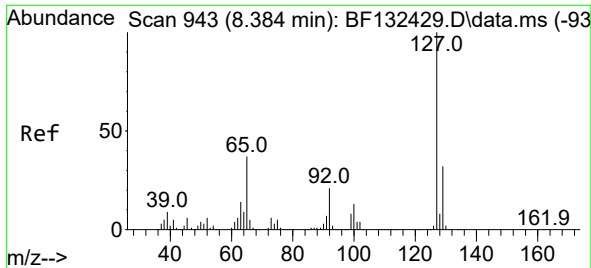
Ion Ratio Lower Upper

122 100

105 0.0 109.7 149.7#

77 55.1 83.8 123.8#

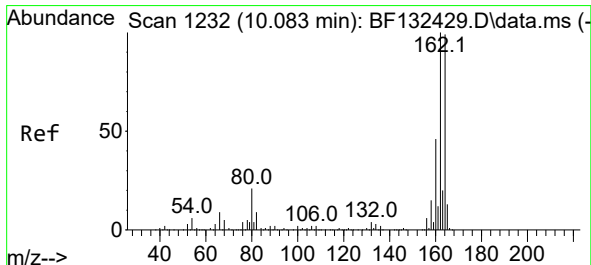
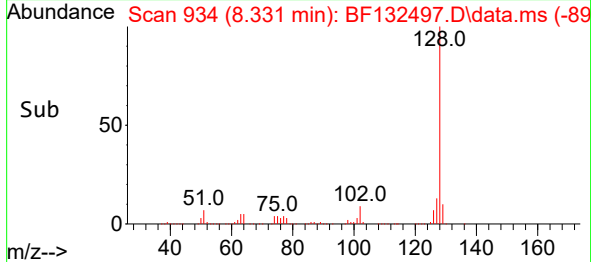
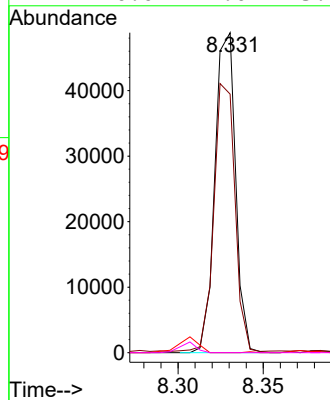
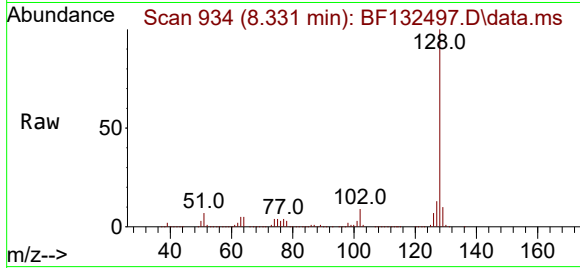




#33
4-Chloroaniline
Concen: 2.361 ng
RT: 8.331 min Scan# 91
Delta R.T. -0.047 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

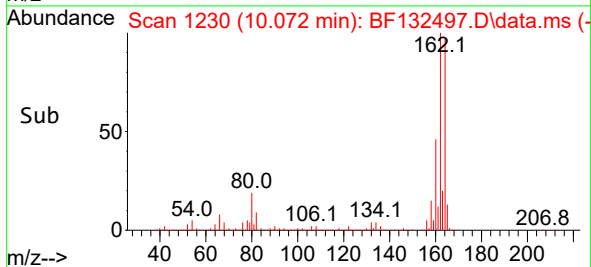
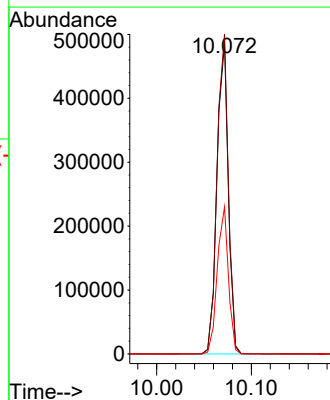
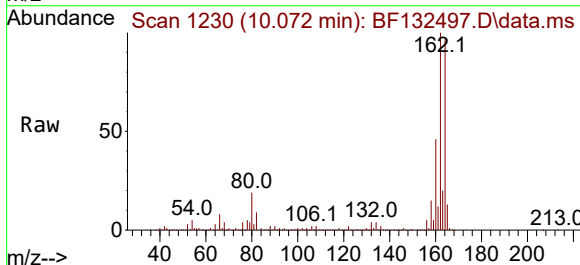
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SB-01-0-2.0DL2

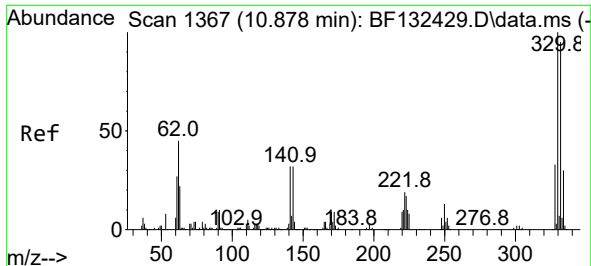
Tgt Ion:127	Resp:	41166
Ion Ratio	Lower	Upper
127	100	
129	80.8	25.9 38.9#
65	0.0	29.8 44.6#
92	0.0	17.0 25.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion:164	Resp:	406211
Ion Ratio	Lower	Upper
164	100	
162	102.9	80.8 121.2
160	47.3	37.2 55.8

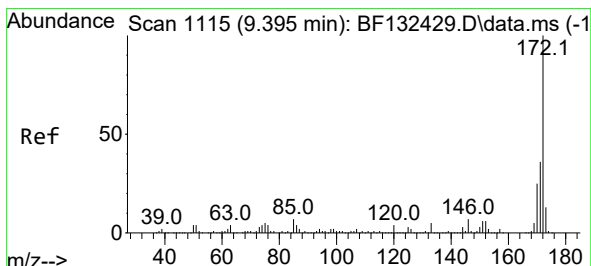
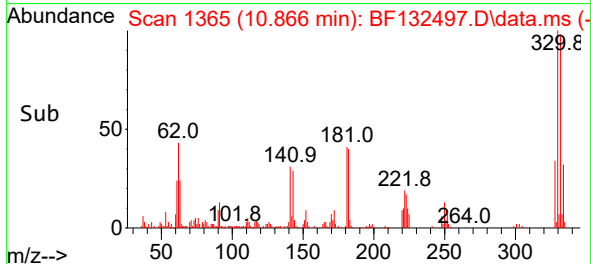
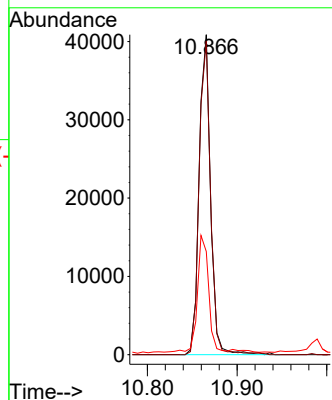
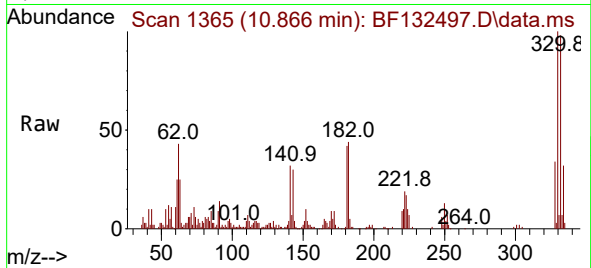




#42
2,4,6-Tribromophenol
Concen: 8.897 ng
RT: 10.866 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

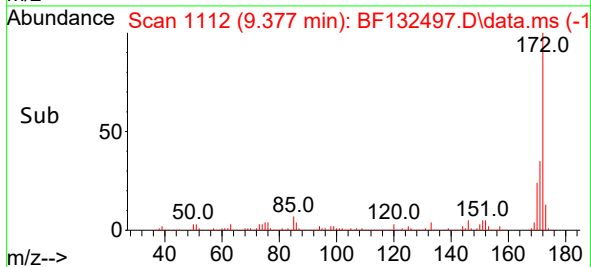
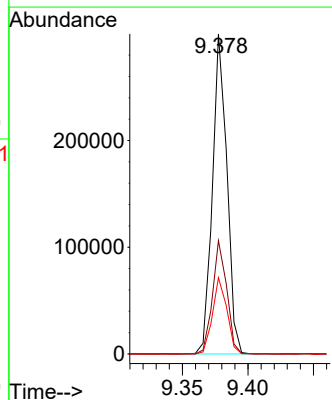
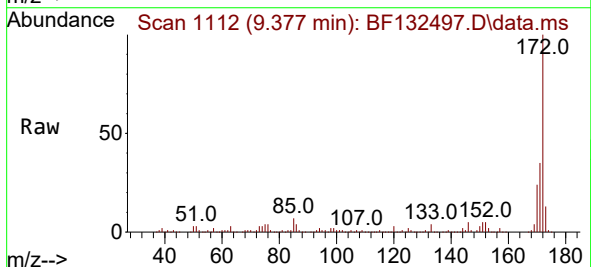
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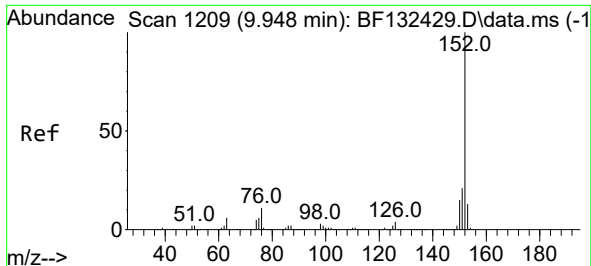
Tgt Ion:330 Resp: 36059
Ion Ratio Lower Upper
330 100
332 98.6 76.3 114.5
141 37.6 30.3 45.5



#45
2-Fluorobiphenyl
Concen: 8.740 ng
RT: 9.377 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion:172 Resp: 229906
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.8 19.9 29.9





#49

Acenaphthylene

Concen: 5.179 ng

RT: 9.930 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

Instrument :

BNA_F

ClientSampleId :

SB-01-0-2.0DL2

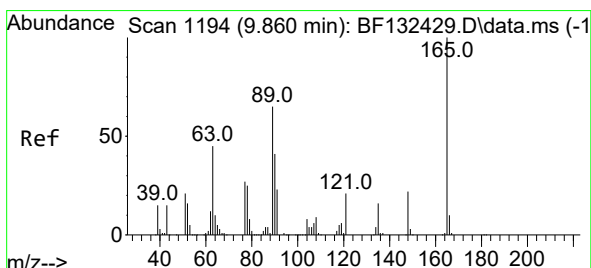
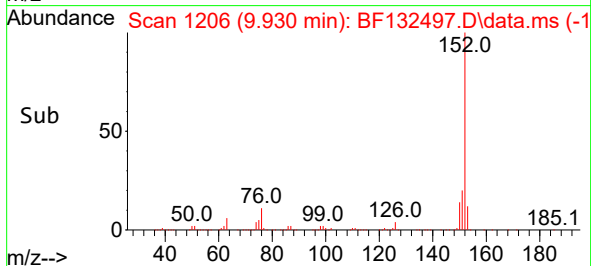
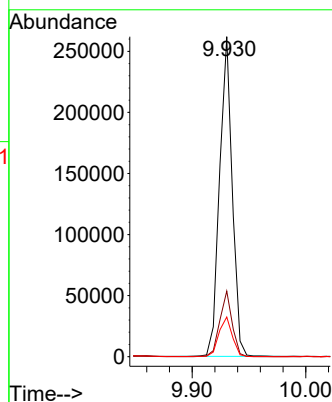
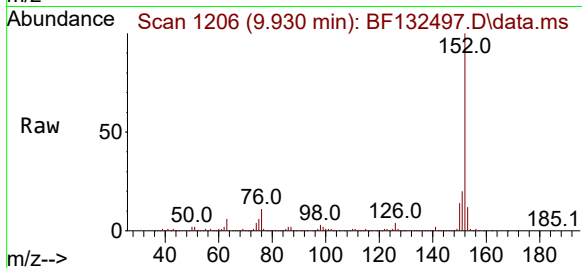
Tgt Ion:152 Resp: 203054

Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

153 12.4 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.636 ng

RT: 10.072 min Scan# 1230

Delta R.T. 0.218 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

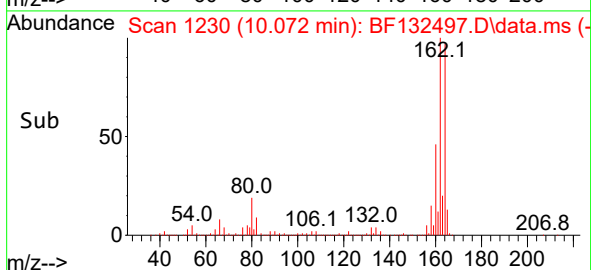
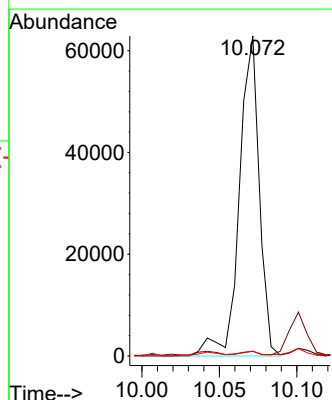
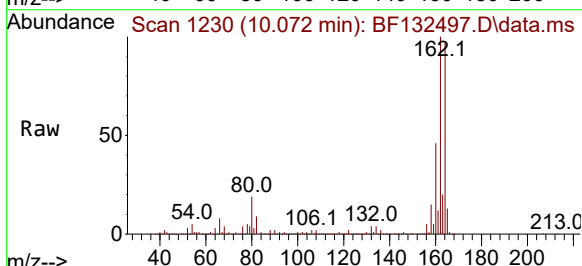
Tgt Ion:165 Resp: 56184

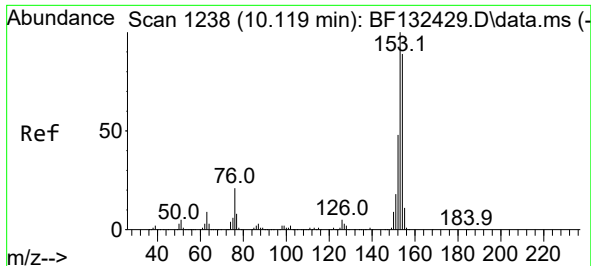
Ion Ratio Lower Upper

165 100

63 1.4 50.4 75.6#

89 1.5 52.2 78.2#

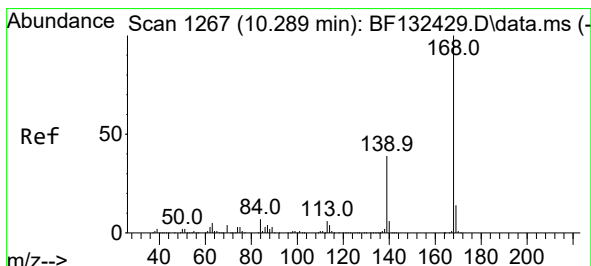
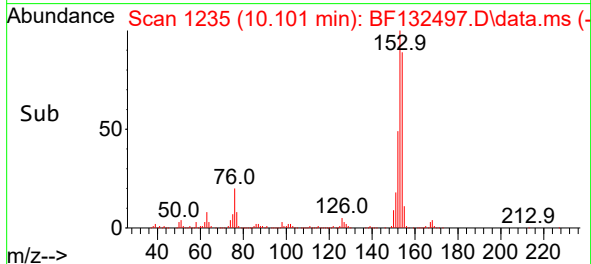
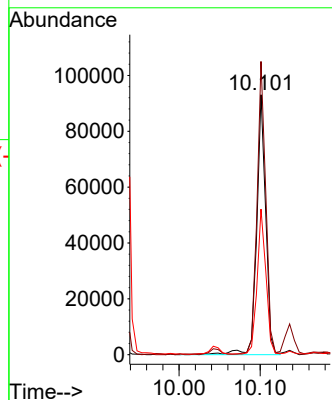
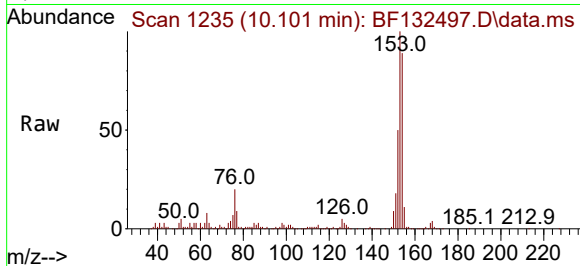




#52
Acenaphthene
Concen: 2.960 ng
RT: 10.101 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

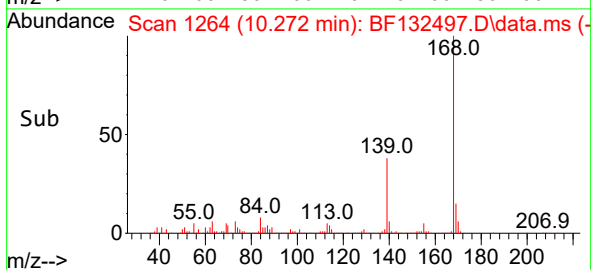
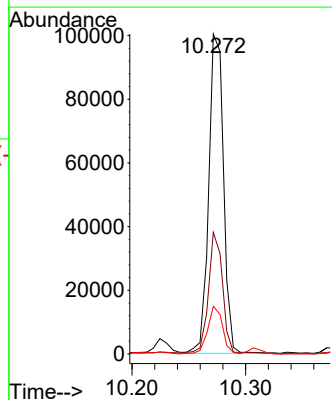
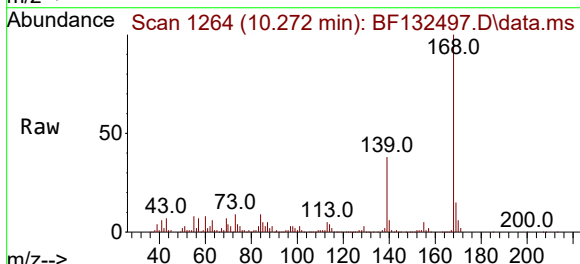
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0DL2

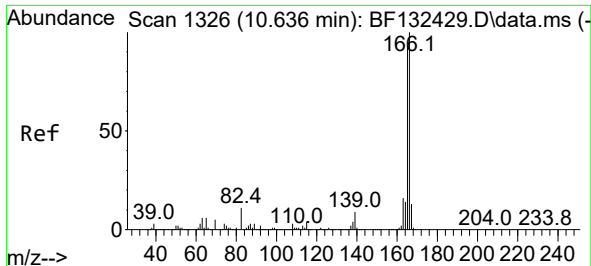
Tgt Ion:154 Resp: 72231
Ion Ratio Lower Upper
154 100
153 112.8 89.7 134.5
152 56.0 43.4 65.0



#55
Dibenzofuran
Concen: 2.498 ng
RT: 10.272 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion:168 Resp: 90424
Ion Ratio Lower Upper
168 100
139 38.0 31.0 46.4
169 14.9 11.0 16.4

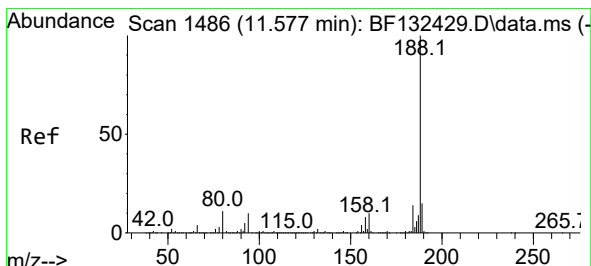
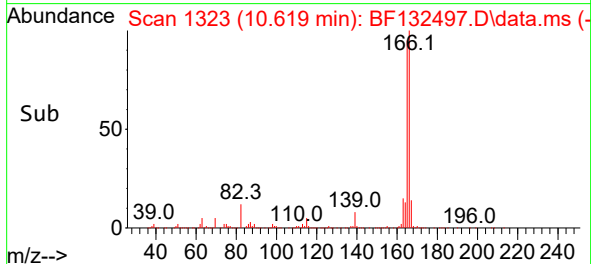
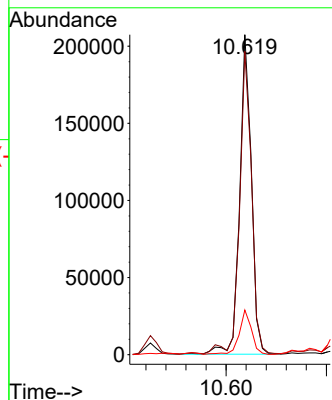
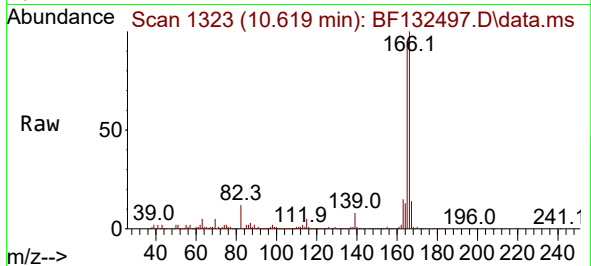




#58
 Fluorene
 Concen: 6.154 ng
 RT: 10.619 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF132497.D
 Acq: 21 Feb 2023 15:57

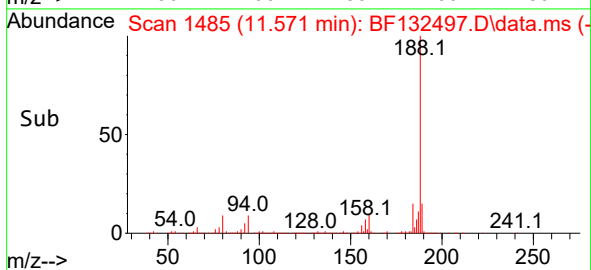
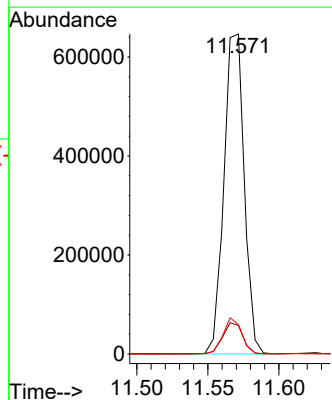
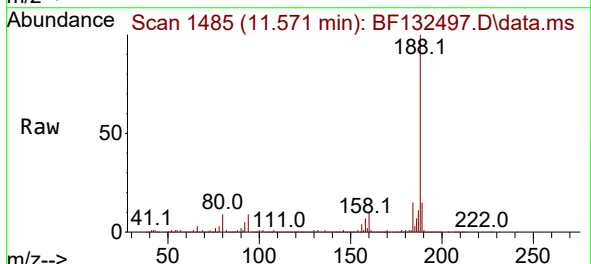
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0DL2

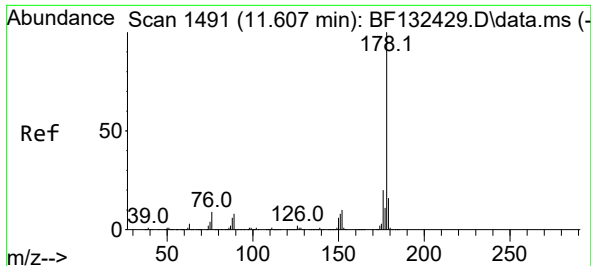
Tgt Ion:166 Resp: 168447
 Ion Ratio Lower Upper
 166 100
 165 94.8 74.6 111.8
 167 13.9 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.571 min Scan# 1485
 Delta R.T. -0.000 min
 Lab File: BF132497.D
 Acq: 21 Feb 2023 15:57

Tgt Ion:188 Resp: 644103
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.0 12.0
 80 9.2 8.6 12.8

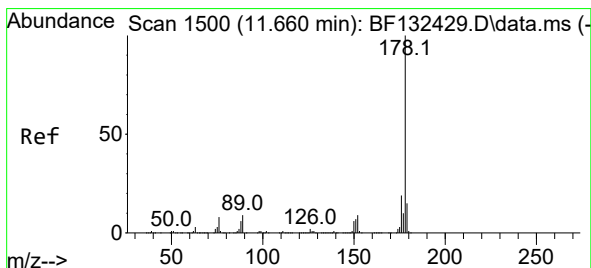
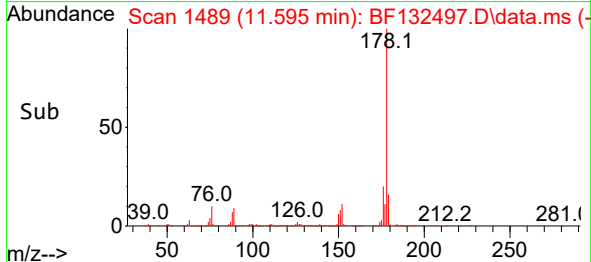
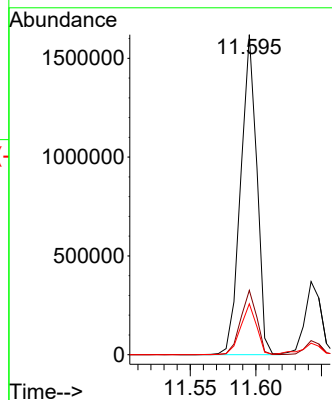
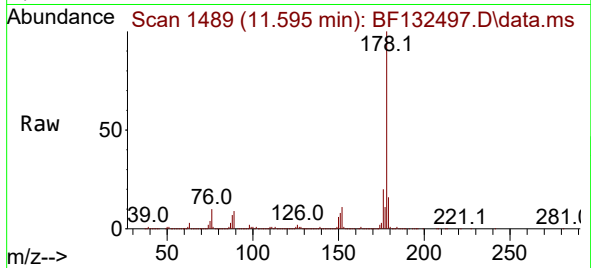




#71
Phenanthrene
Concen: 41.858 ng
RT: 11.595 min Scan# 1491
Delta R.T. -0.000 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

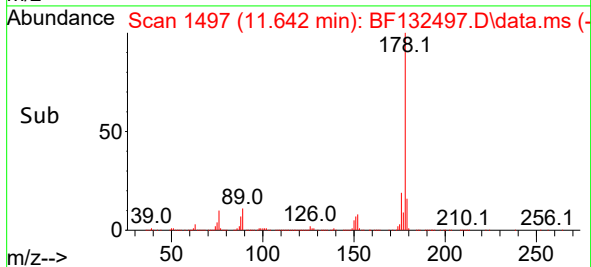
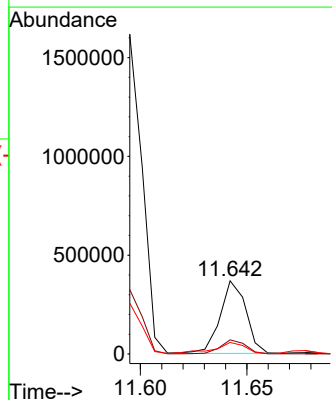
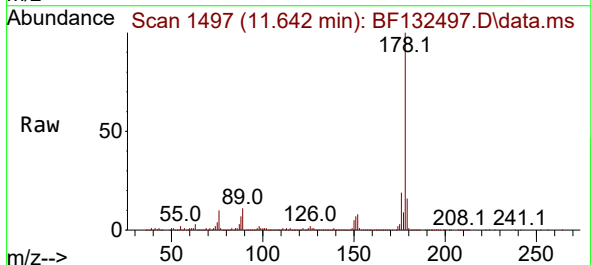
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0DL2

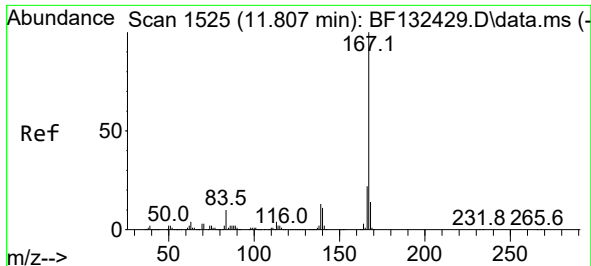
Tgt Ion:178 Resp: 1388595
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 15.9 12.6 18.8



#72
Anthracene
Concen: 9.080 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion:178 Resp: 309651
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.7 12.4 18.6

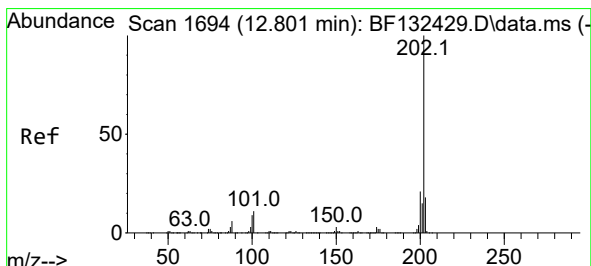
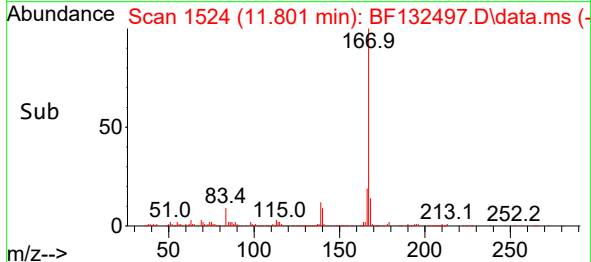
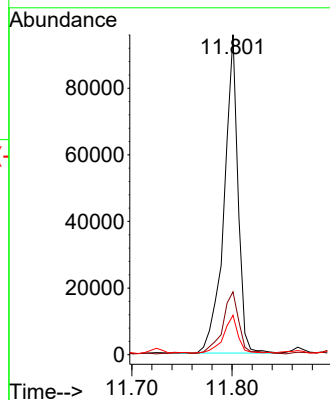
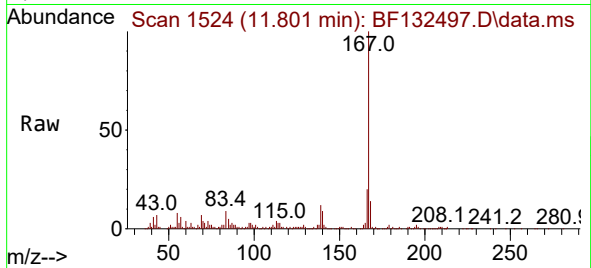




#73
 Carbazole
 Concen: 2.996 ng
 RT: 11.801 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF132497.D
 Acq: 21 Feb 2023 15:57

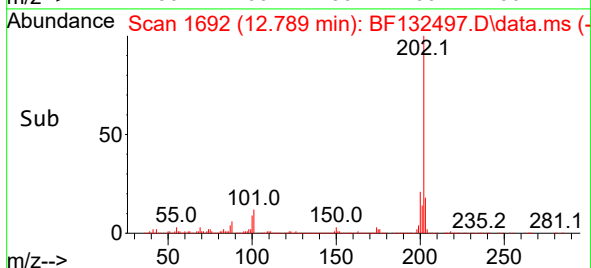
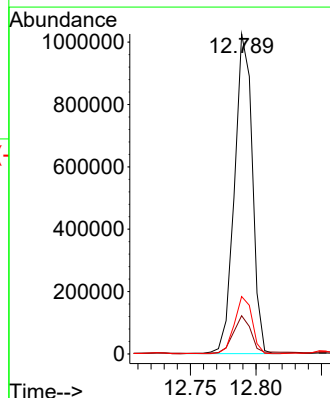
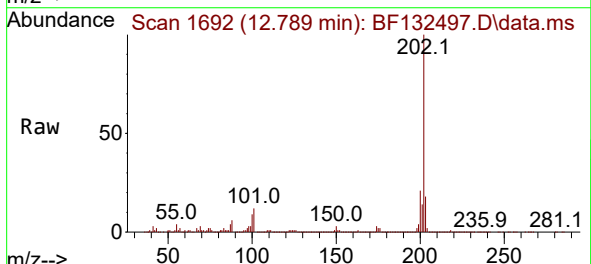
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0DL2

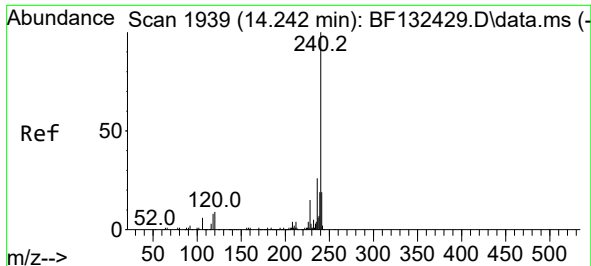
Tgt Ion:167 Resp: 91983
 Ion Ratio Lower Upper
 167 100
 166 19.7 17.8 26.8
 139 12.3 10.7 16.1



#75
 Fluoranthene
 Concen: 26.203 ng
 RT: 12.789 min Scan# 1692
 Delta R.T. -0.006 min
 Lab File: BF132497.D
 Acq: 21 Feb 2023 15:57

Tgt Ion:202 Resp: 969389
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.3
 203 17.9 0.0 37.8

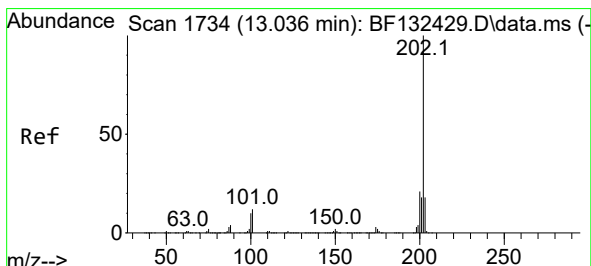
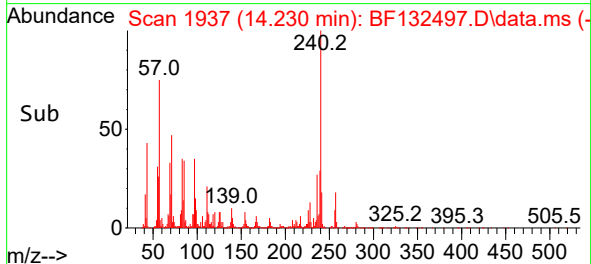
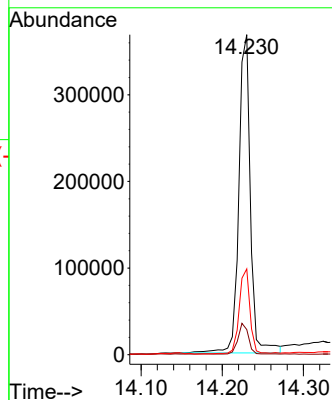
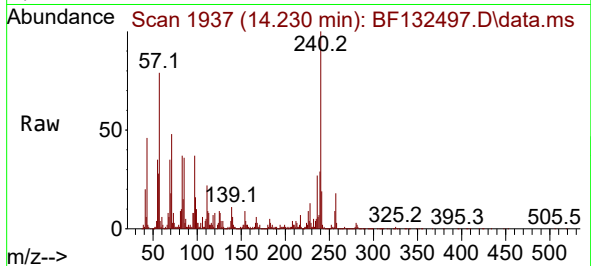




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

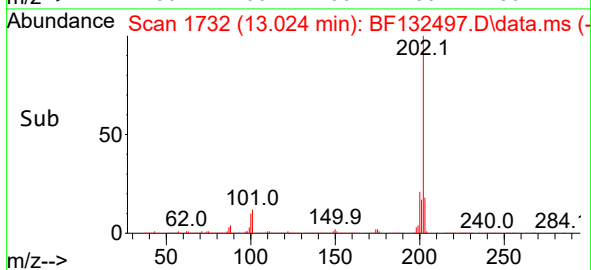
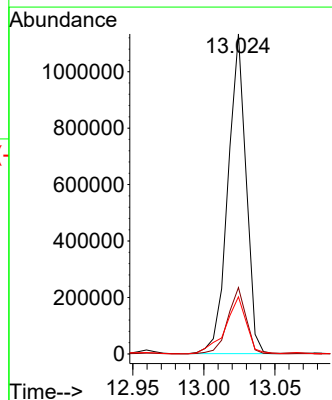
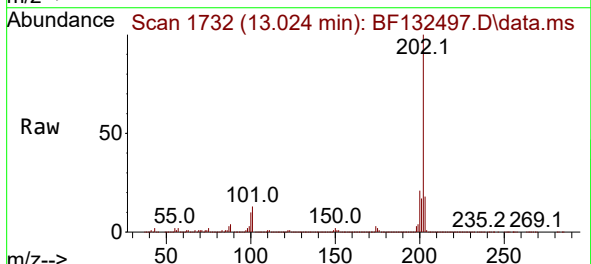
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0DL2

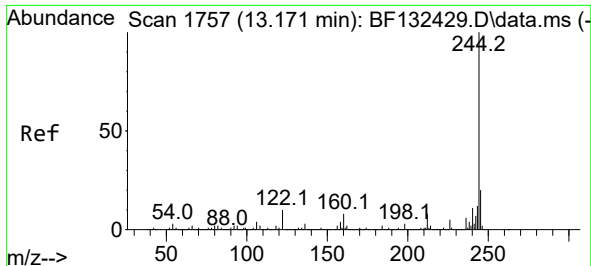
Tgt Ion:240 Resp: 361532
Ion Ratio Lower Upper
240 100
120 7.9 7.5 11.3
236 26.8 21.0 31.6



#78
Pyrene
Concen: 32.602 ng
RT: 13.024 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion:202 Resp: 1001270
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 17.8 14.3 21.5

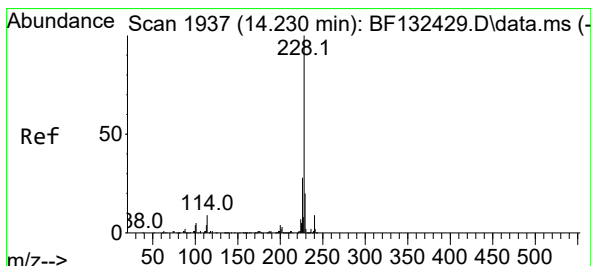
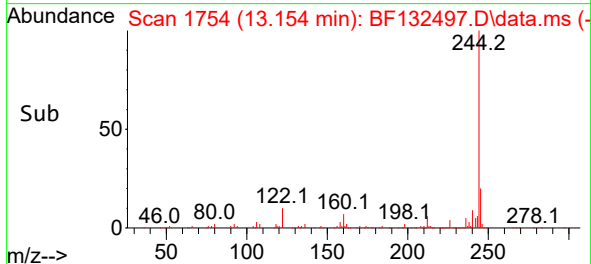
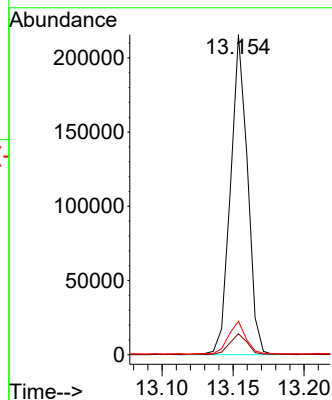
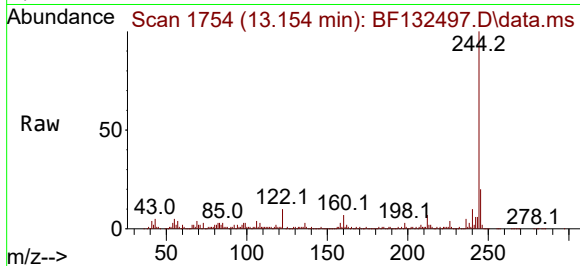




#79
 Terphenyl-d14
 Concen: 9.051 ng
 RT: 13.154 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF132497.D
 Acq: 21 Feb 2023 15:57

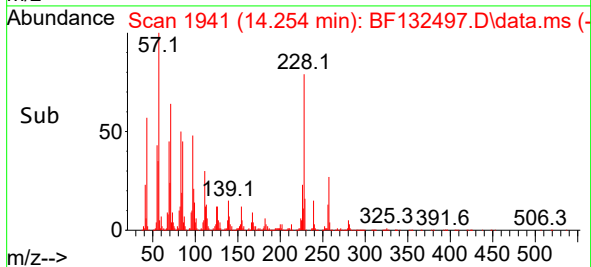
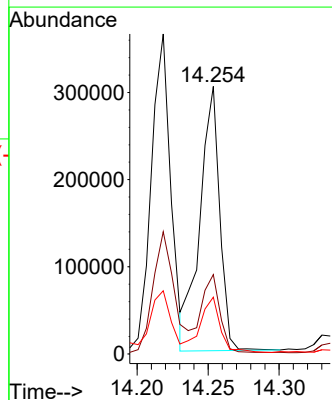
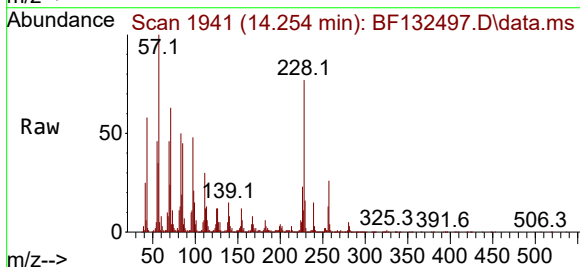
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0DL2

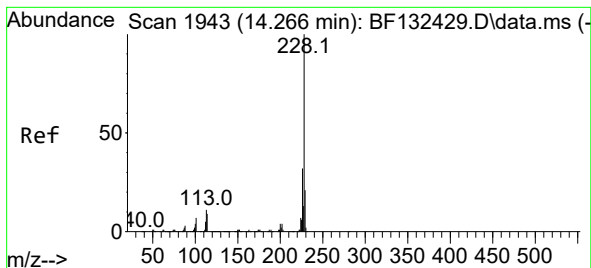
Tgt Ion:244 Resp: 179669
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.7 10.1#
 122 10.5 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 11.185 ng
 RT: 14.254 min Scan# 1941
 Delta R.T. 0.035 min
 Lab File: BF132497.D
 Acq: 21 Feb 2023 15:57

Tgt Ion:228 Resp: 296159
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 34.0
 229 21.3 16.2 24.4





#83

Chrysene

Concen: 11.706 ng

RT: 14.254 min Scan# 1941

Delta R.T. -0.006 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

Instrument :

BNA_F

ClientSampleId :

SB-01-0-2.0DL2

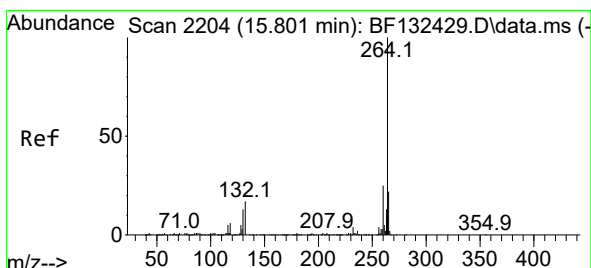
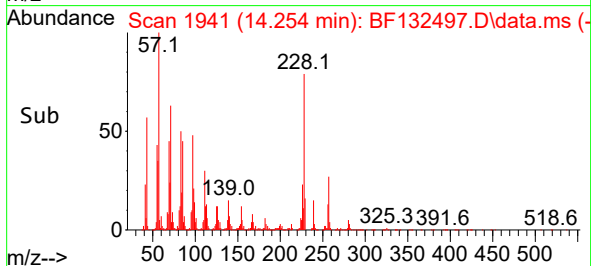
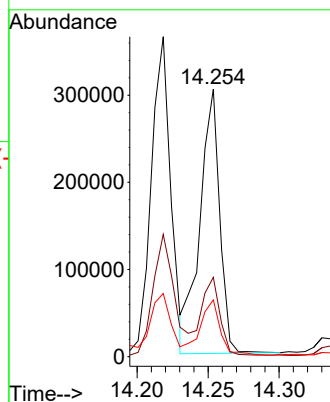
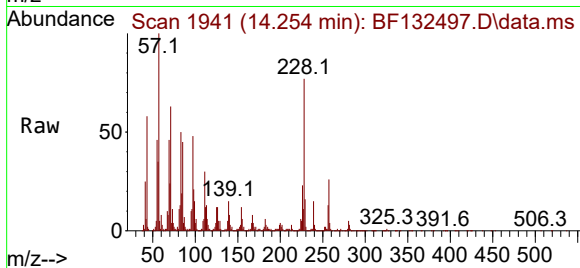
Tgt Ion:228 Resp: 296159

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

229 21.3 16.6 25.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.795 min Scan# 2203

Delta R.T. 0.012 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

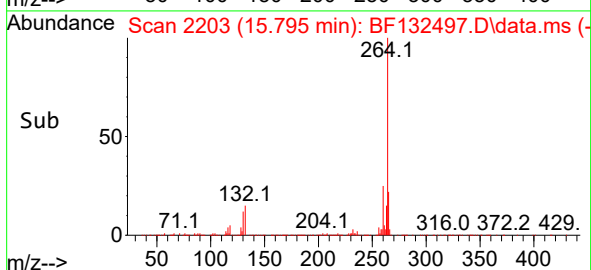
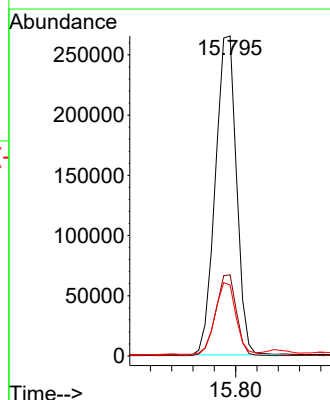
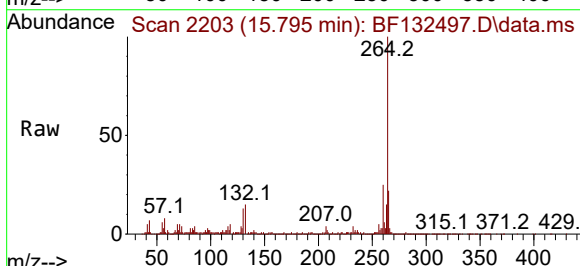
Tgt Ion:264 Resp: 364074

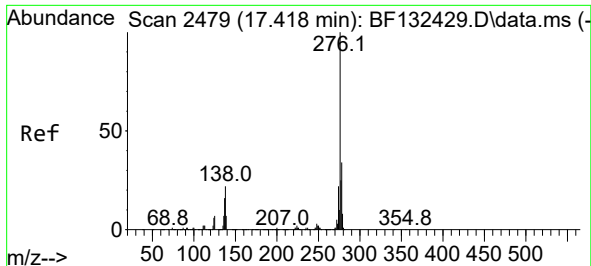
Ion Ratio Lower Upper

264 100

260 25.4 20.0 30.0

265 22.2 17.2 25.8

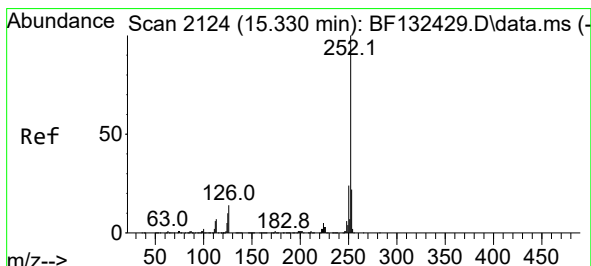
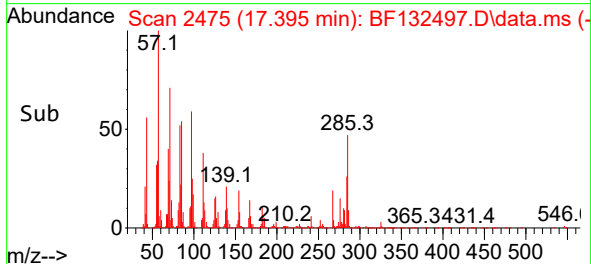
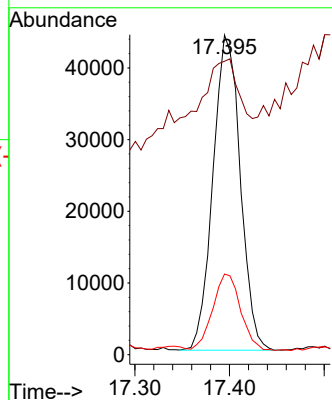
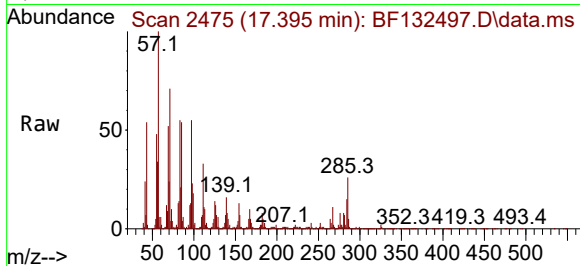




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.782 ng
RT: 17.395 min Scan# 2479
Delta R.T. -0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

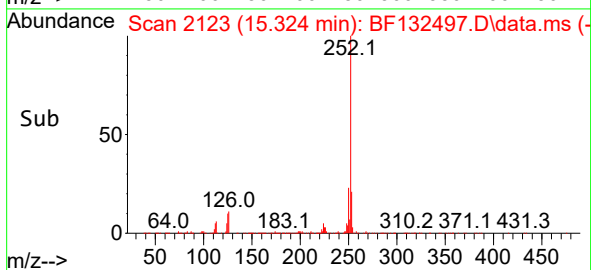
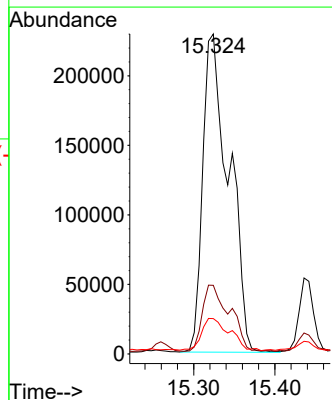
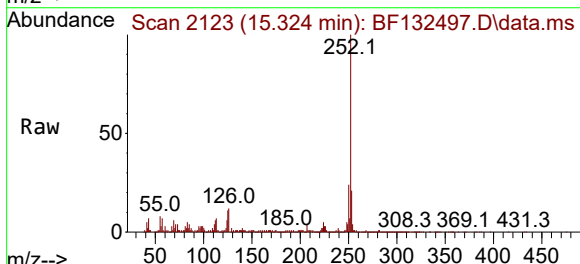
Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0DL2

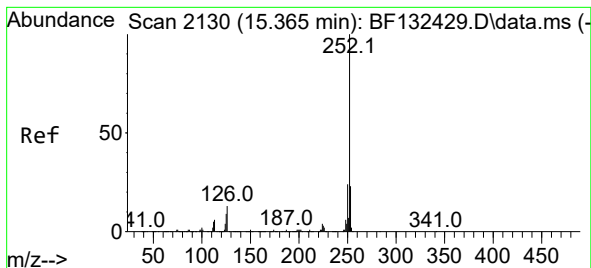
Tgt Ion:276 Resp: 88023
Ion Ratio Lower Upper
276 100
138 0.0 20.2 30.4#
277 24.3 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 21.431 ng
RT: 15.324 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF132497.D
Acq: 21 Feb 2023 15:57

Tgt Ion:252 Resp: 513098
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 11.0 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 21.416 ng

RT: 15.324 min Scan# 2113

Delta R.T. -0.029 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

Instrument :

BNA_F

ClientSampleId :

SB-01-0-2.0DL2

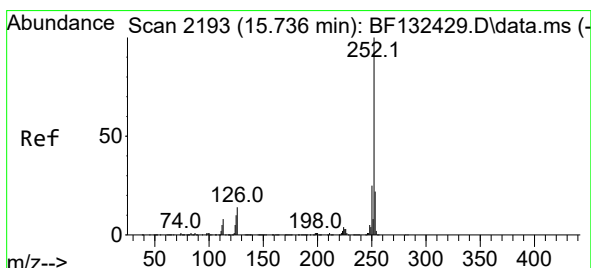
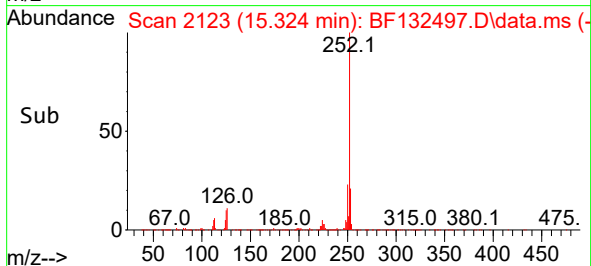
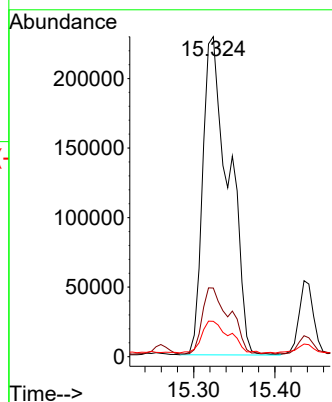
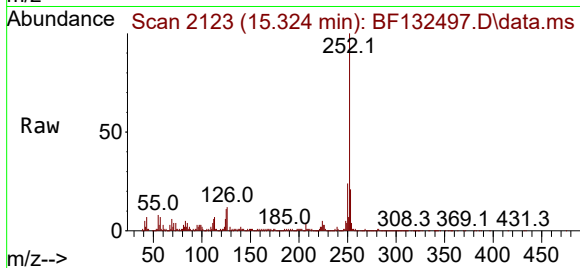
Tgt Ion:252 Resp: 513098

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

125 11.0 7.5 11.3



#90

Benzo(a)pyrene

Concen: 14.122 ng

RT: 15.724 min Scan# 2191

Delta R.T. 0.006 min

Lab File: BF132497.D

Acq: 21 Feb 2023 15:57

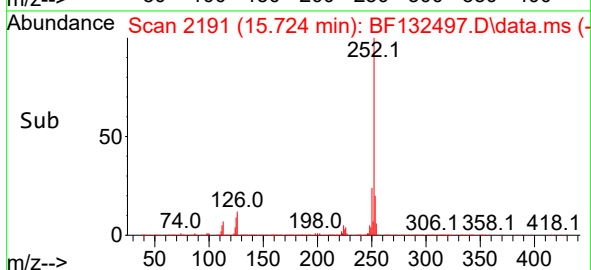
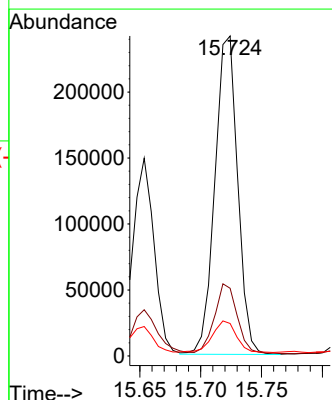
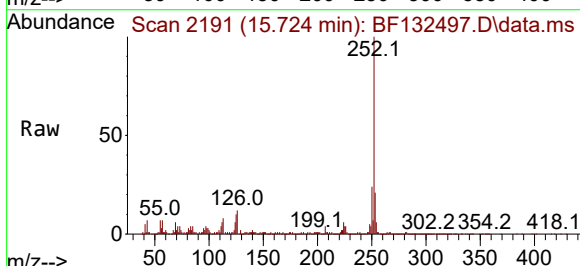
Tgt Ion:252 Resp: 314206

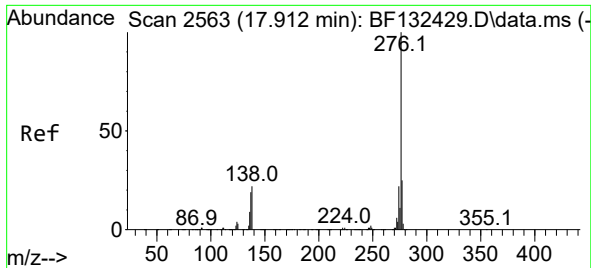
Ion Ratio Lower Upper

252 100

253 21.2 17.6 26.4

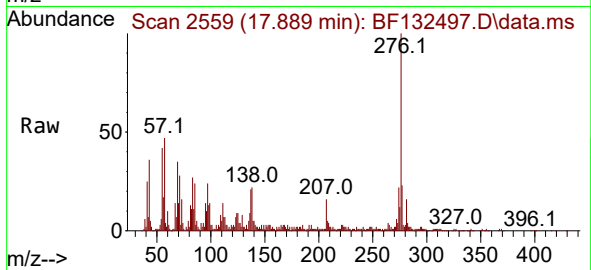
125 10.2 8.2 12.4





#92
 Benzo(g,h,i)perylene
 Concen: 6.323 ng
 RT: 17.889 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF132497.D
 Acq: 21 Feb 2023 15:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0DL2



Tgt Ion:276 Resp: 124465
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.6 29.4
 138 22.3 17.7 26.5

