

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052022\
 Data File : BF128383.D
 Acq On : 21 May 2022 00:33
 Operator : CG\JU
 Sample : N2943-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP051822

Quant Time: May 23 02:40:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 05:28:09 2022
 Response via : Initial Calibration

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

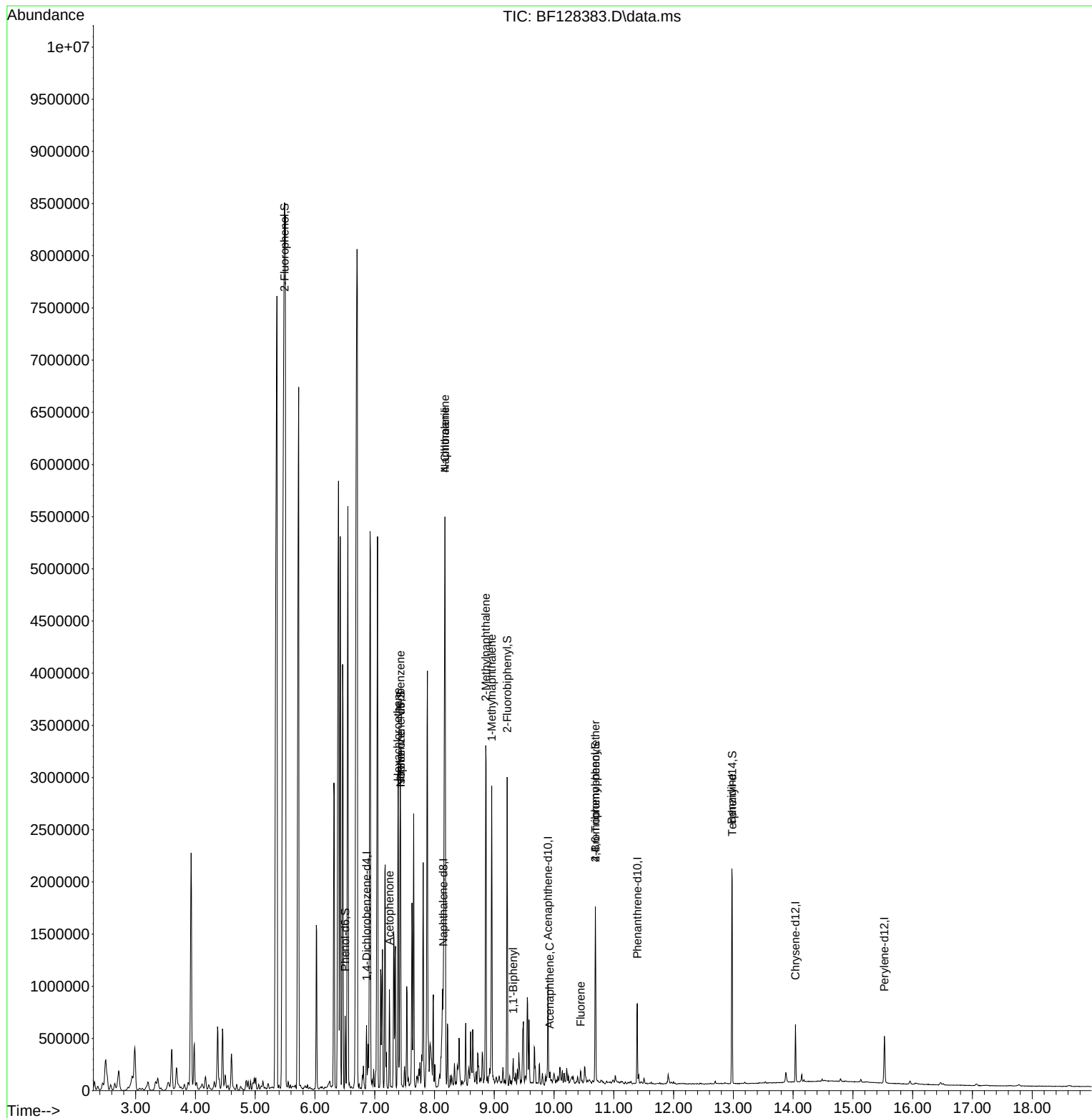
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	83189	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	294602	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	166647	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	273286	20.000	ng	0.00
76) Chrysene-d12	14.039	240	176478	20.000	ng	-0.01
86) Perylene-d12	15.527	264	190939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	127306	24.353	ng	0.01
7) Phenol-d6	6.504	99	206078	29.938	ng	0.00
23) Nitrobenzene-d5	7.434	82	473092	71.951	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	186267	108.381	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	821816	80.646	ng	0.00
79) Terphenyl-d14	12.980	244	733693	80.256	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.422	77	269072	Below Cal	#	1
18) Hexachloroethane	7.387	117	269313	119.368	ng	# 1
22) Acetophenone	7.245	105	340086	47.418	ng	# 57
24) Nitrobenzene	7.428	77	44874	7.292	ng	# 6
25) Isophorone	7.434	82	470104	46.655	ng	# 68
31) Naphthalene	8.175	128	2976025	207.294	ng	98
33) 4-Chloroaniline	8.175	127	405456	70.578	ng	# 30
37) 2-Methylnaphthalene	8.857	142	939724	99.828	ng	99
38) 1-Methylnaphthalene	8.957	142	668218	73.798	ng	99
46) 1,1'-Biphenyl	9.316	154	47772	3.967	ng	100
52) Acenaphthene	9.928	154	19668	2.343	ng	96
58) Fluorene	10.445	166	28506	2.858	ng	93
67) 4-Bromophenyl-phenylether	10.692	248	11009	3.849	ng	# 1
77) Benzidine	12.975	184	11821	3.221	ng	96

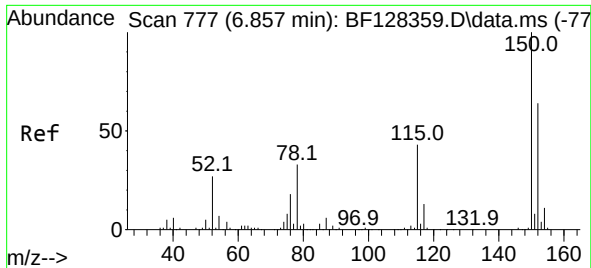
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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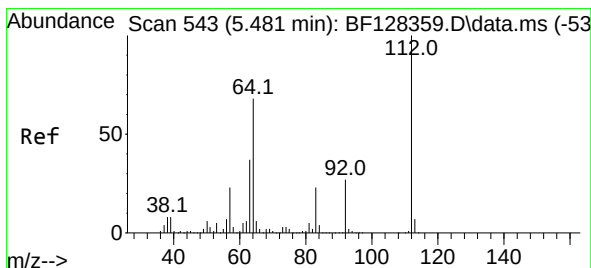
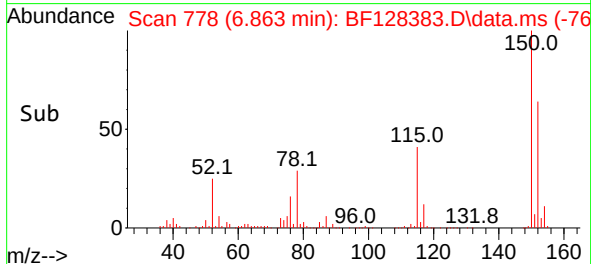
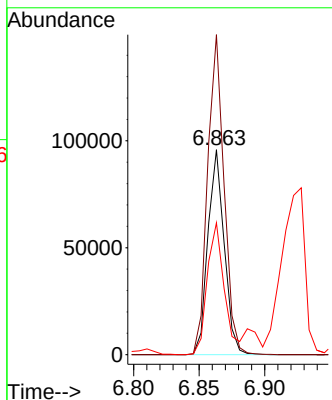
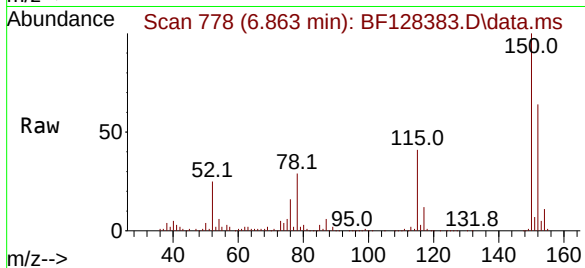




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

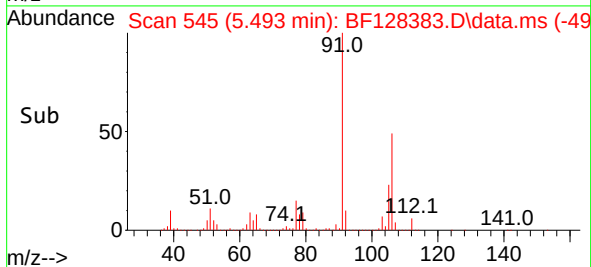
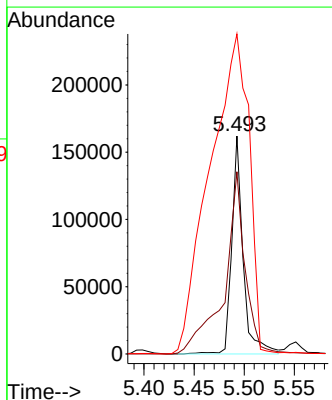
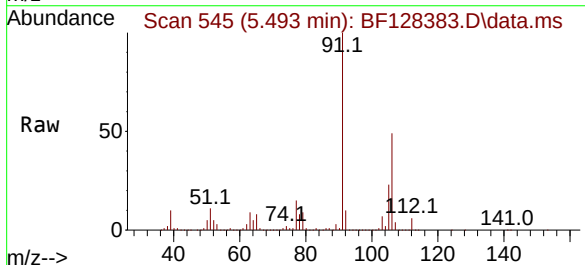
Instrument :
BNA_F
ClientSampleId :
DUP051822

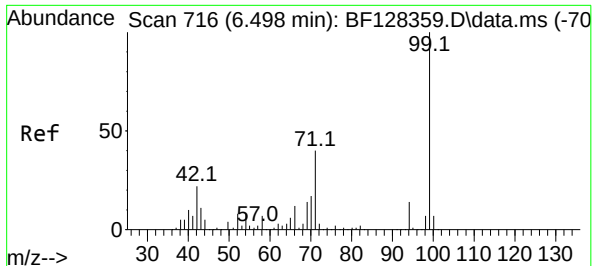
Tgt Ion:152 Resp: 83189
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 64.3 48.8 73.2



#5
2-Fluorophenol
Concen: 24.353 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.012 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

Tgt Ion:112 Resp: 127306
Ion Ratio Lower Upper
112 100
64 83.6 49.5 74.3#
63 146.9 26.3 39.5#

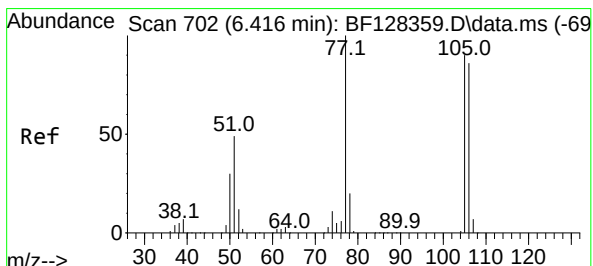
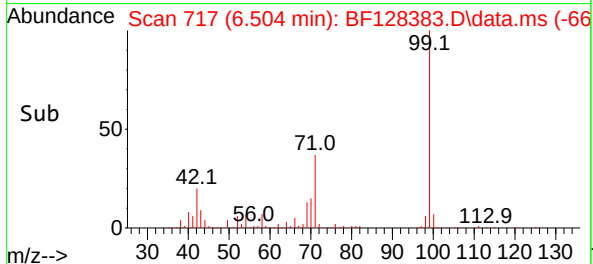
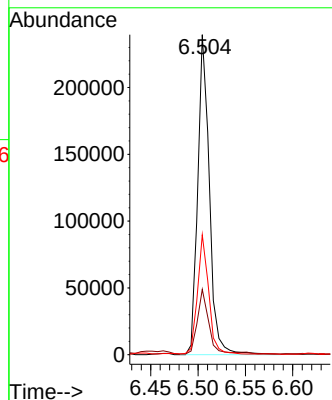
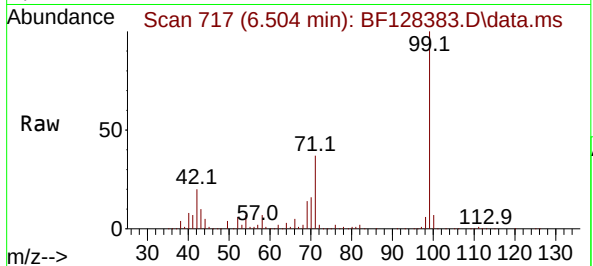




#7
Phenol-d6
Concen: 29.938 ng
RT: 6.504 min Scan# 716
Delta R.T. 0.006 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

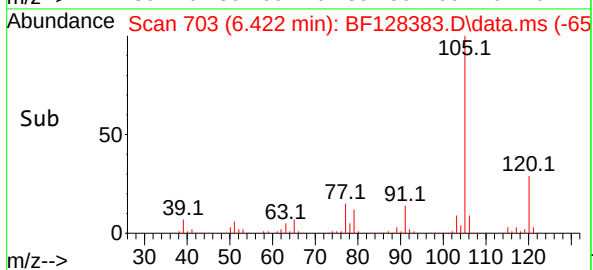
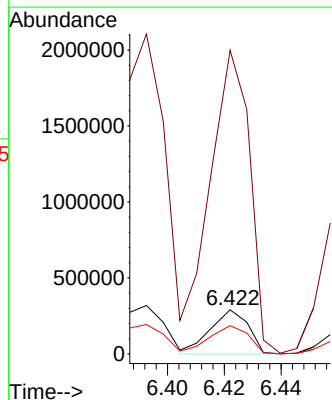
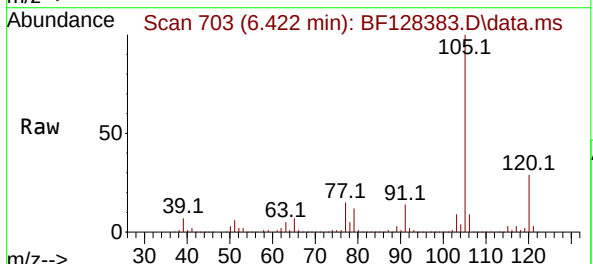
Instrument :
BNA_F
ClientSampleId :
DUP051822

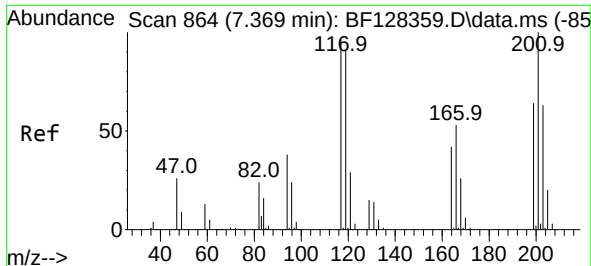
Tgt Ion: 99 Resp: 206078
Ion Ratio Lower Upper
99 100
42 20.4 16.6 24.8
71 37.5 30.0 45.0



#9
Benzaldehyde
Concen: Below Cal
RT: 6.422 min Scan# 703
Delta R.T. 0.006 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

Tgt Ion: 77 Resp: 269072
Ion Ratio Lower Upper
77 100
105 688.1 74.9 114.9#
106 64.3 72.2 112.2#

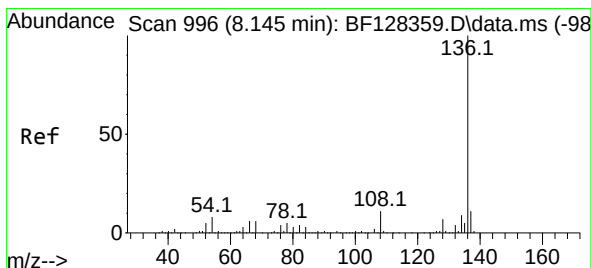
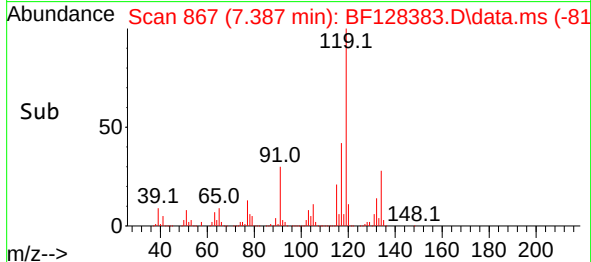
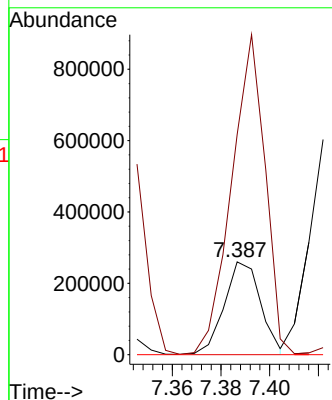
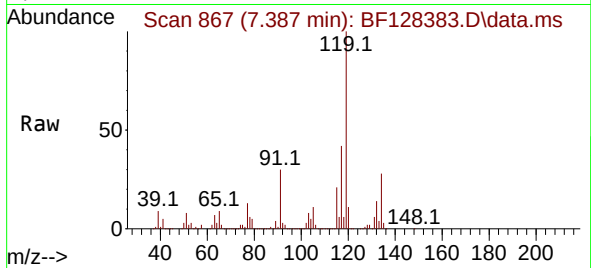




#18
Hexachloroethane
Concen: 119.368 ng
RT: 7.387 min Scan# 867
Delta R.T. 0.018 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

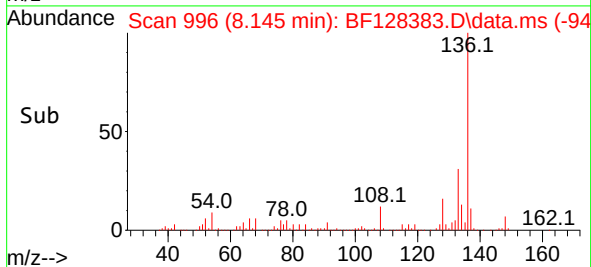
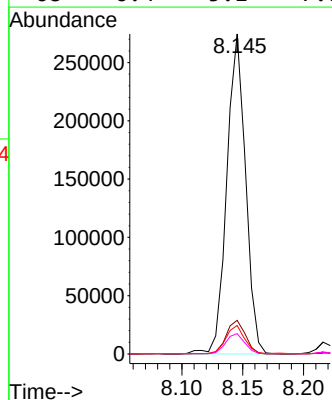
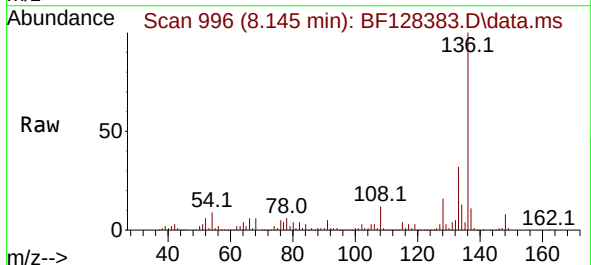
Instrument :
BNA_F
ClientSampleId :
DUP051822

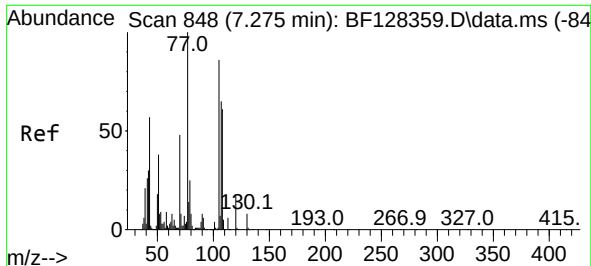
Tgt Ion:117 Resp: 269313
Ion Ratio Lower Upper
117 100
119 237.3 76.2 114.4#
201 0.0 84.4 126.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 996
Delta R.T. 0.000 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

Tgt Ion:136 Resp: 294602
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.9 6.8 10.2
68 6.4 5.1 7.7

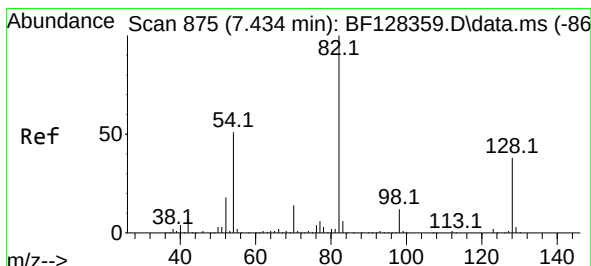
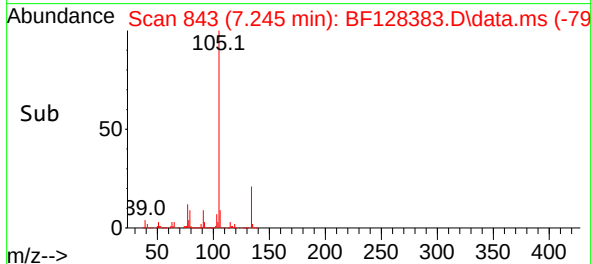
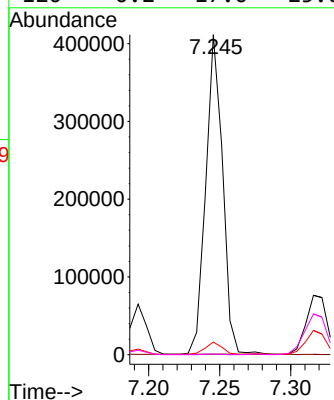
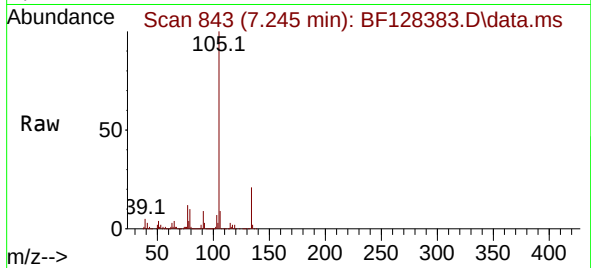




#22
Acetophenone
Concen: 47.418 ng
RT: 7.245 min Scan# 84
Delta R.T. -0.029 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

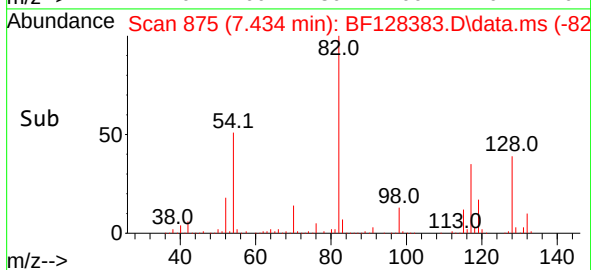
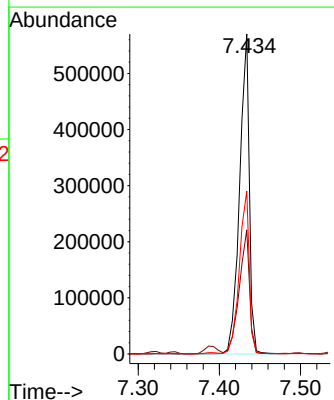
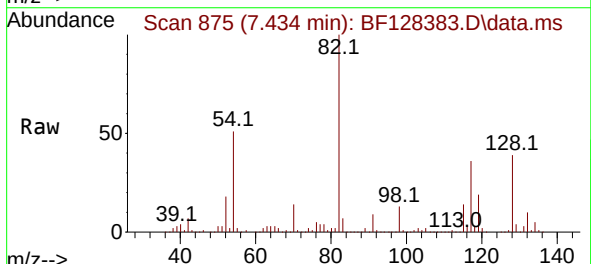
Instrument :
BNA_F
ClientSampleId :
DUP051822

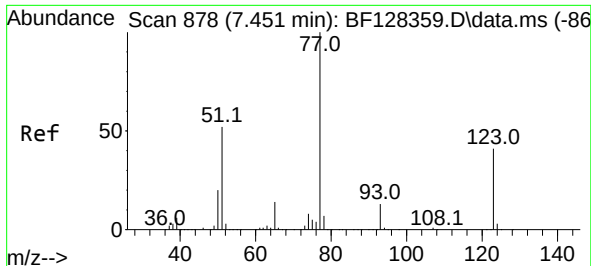
Tgt Ion:105 Resp: 340086
Ion Ratio Lower Upper
105 100
71 0.2 7.3 10.9#
51 3.9 23.7 35.5#
120 0.2 17.0 25.6#



#23
Nitrobenzene-d5
Concen: 71.951 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

Tgt Ion: 82 Resp: 473092
Ion Ratio Lower Upper
82 100
128 38.8 30.0 45.0
54 50.9 41.3 61.9





#24

Nitrobenzene

Concen: 7.292 ng

RT: 7.428 min Scan# 81

Delta R.T. -0.023 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

Instrument :

BNA_F

ClientSampleId :

DUP051822

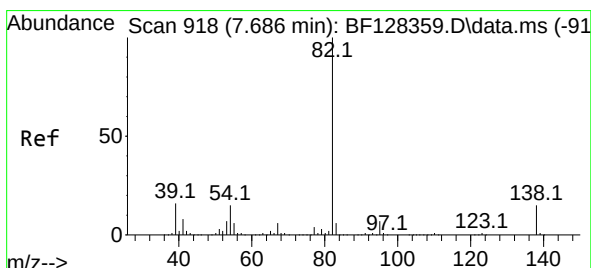
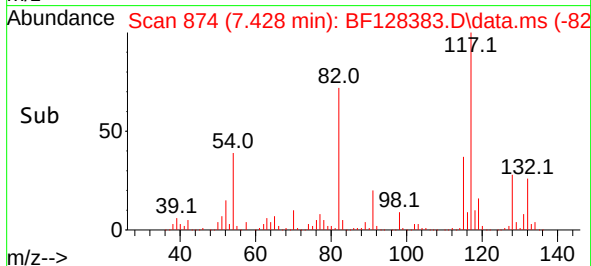
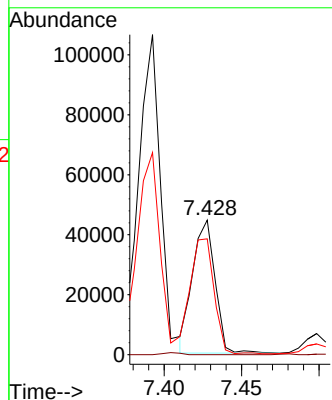
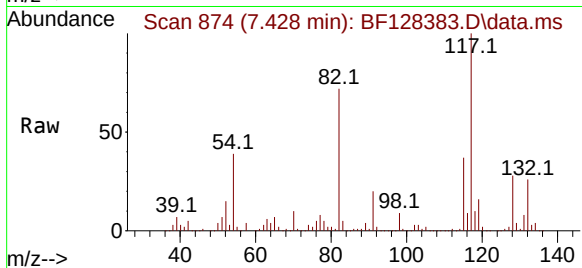
Tgt Ion: 77 Resp: 44874

Ion Ratio Lower Upper

77 100

123 0.0 32.0 48.0#

65 86.1 11.0 16.6#



#25

Isophorone

Concen: 46.655 ng

RT: 7.434 min Scan# 875

Delta R.T. -0.253 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

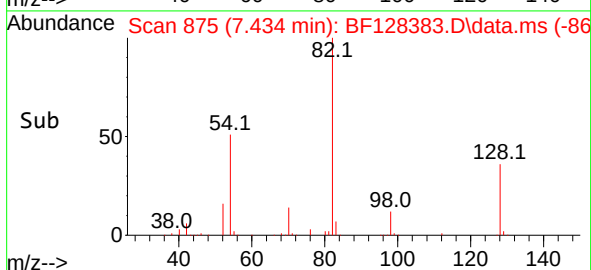
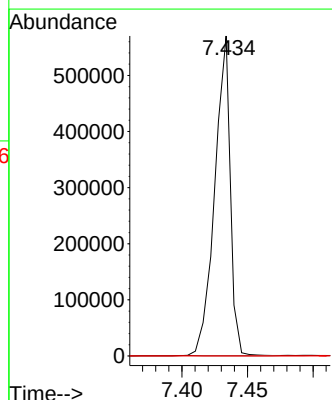
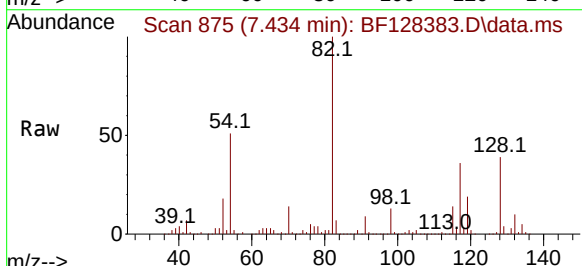
Tgt Ion: 82 Resp: 470104

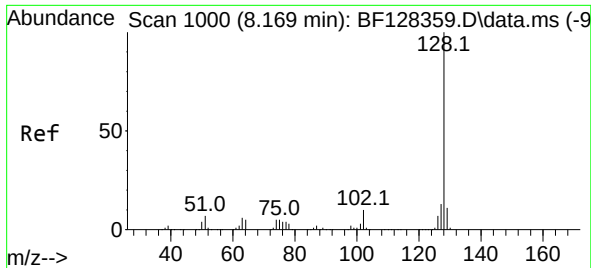
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 12.5 18.7#

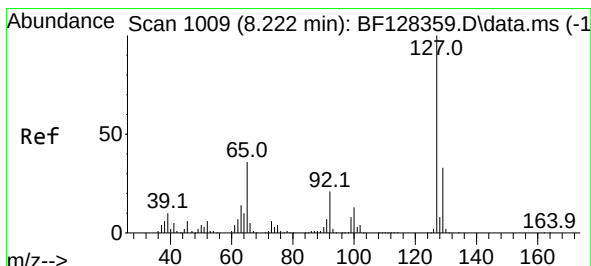
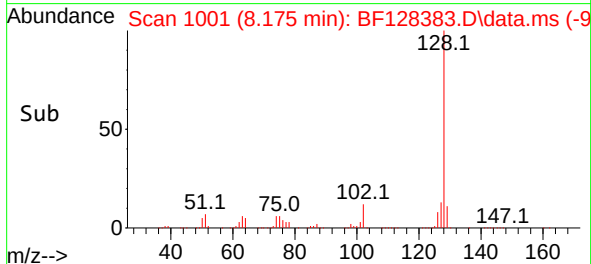
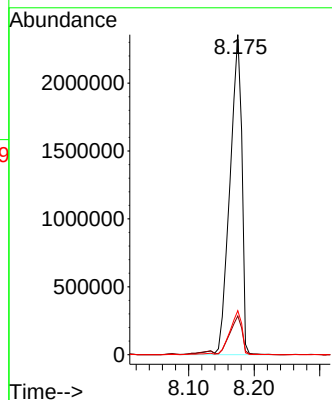
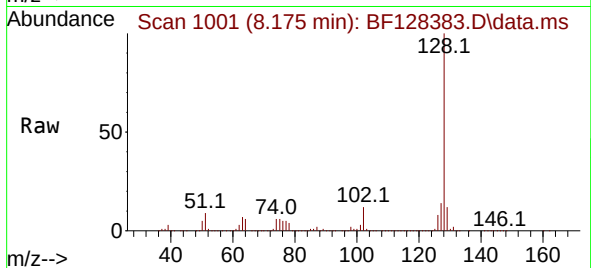




#31
Naphthalene
Concen: 207.294 ng
RT: 8.175 min Scan# 1001
Delta R.T. 0.006 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

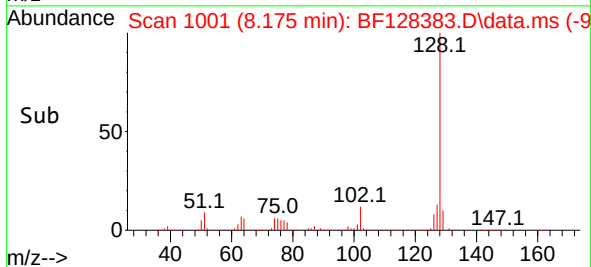
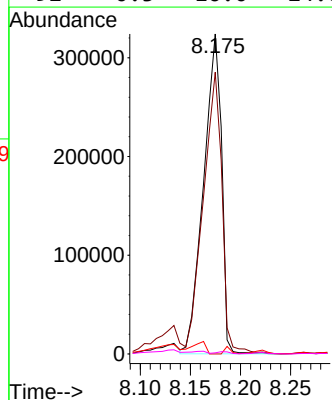
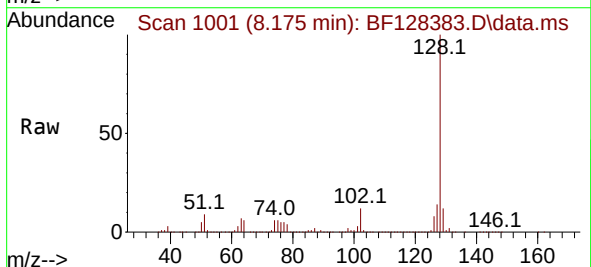
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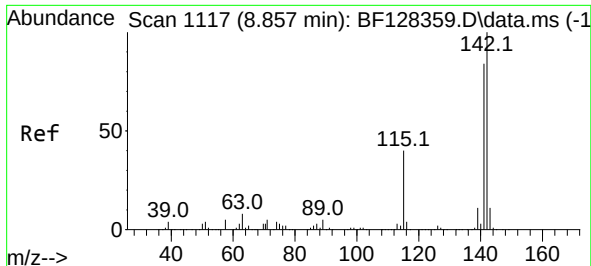
Tgt Ion:128 Resp: 2976025
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.4
127 13.8 10.6 16.0



#33
4-Chloroaniline
Concen: 70.578 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.047 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

Tgt Ion:127 Resp: 405456
Ion Ratio Lower Upper
127 100
129 88.1 25.8 38.8#
65 0.0 26.7 40.1#
92 0.3 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 99.828 ng

RT: 8.857 min Scan# 1117

Delta R.T. 0.000 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

Instrument :

BNA_F

ClientSampleId :

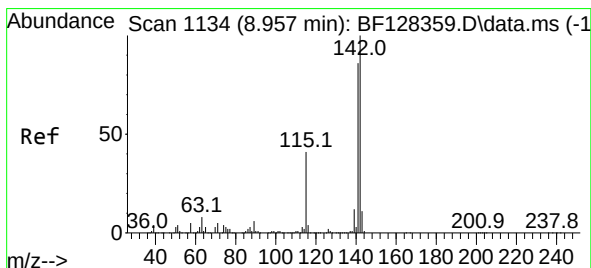
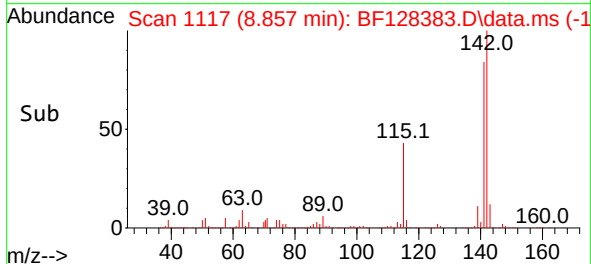
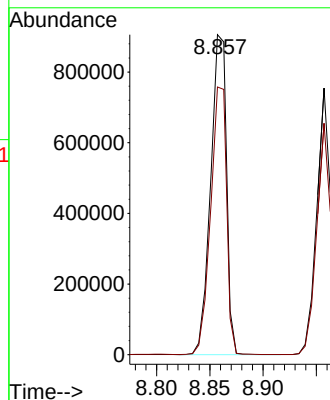
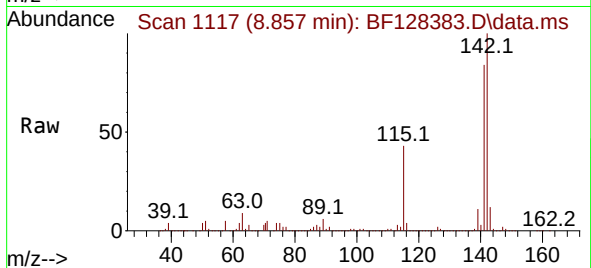
DUP051822

Tgt Ion:142 Resp: 939724

Ion Ratio Lower Upper

142 100

141 83.6 67.4 101.2



#38

1-Methylnaphthalene

Concen: 73.798 ng

RT: 8.957 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF128383.D

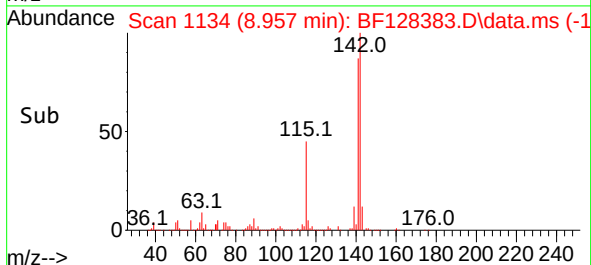
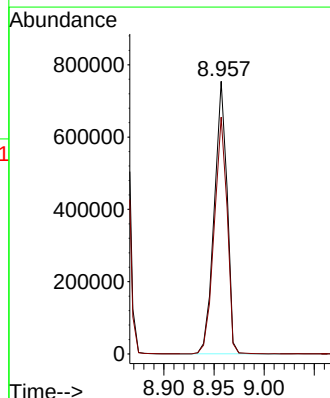
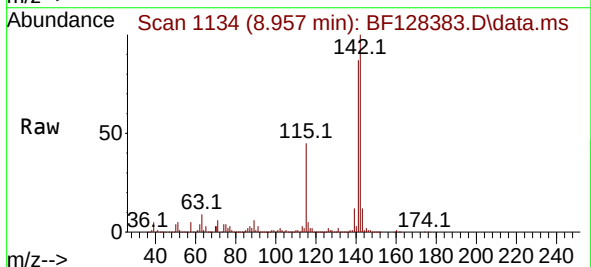
Acq: 21 May 2022 00:33

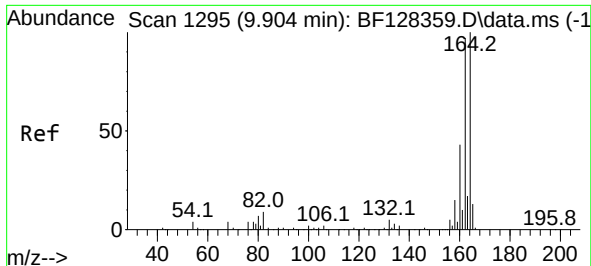
Tgt Ion:142 Resp: 668218

Ion Ratio Lower Upper

142 100

141 86.8 70.1 105.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

Instrument :

BNA_F

ClientSampleId :

DUP051822

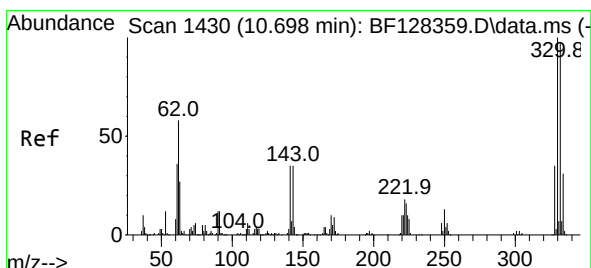
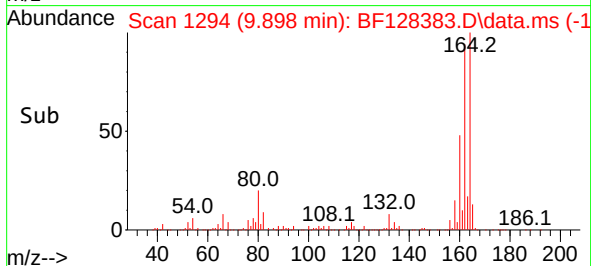
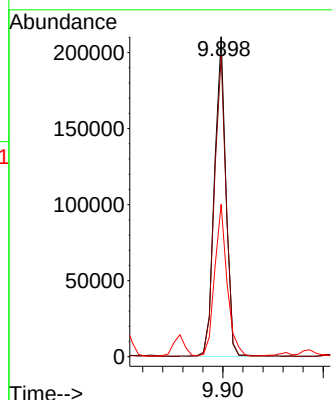
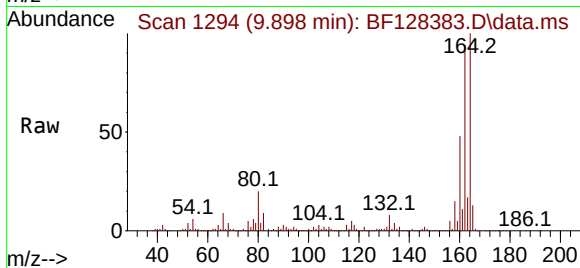
Tgt Ion:164 Resp: 166647

Ion Ratio Lower Upper

164 100

162 94.1 76.0 114.0

160 47.6 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 108.381 ng

RT: 10.692 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

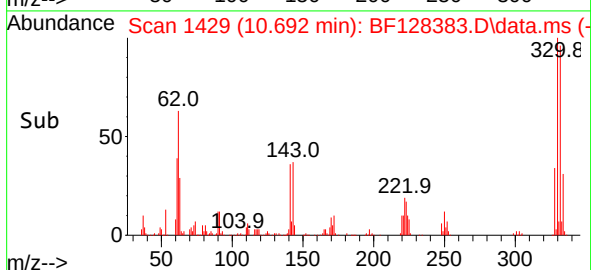
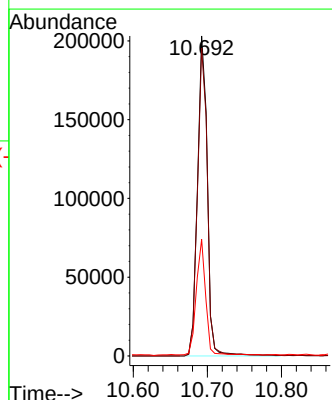
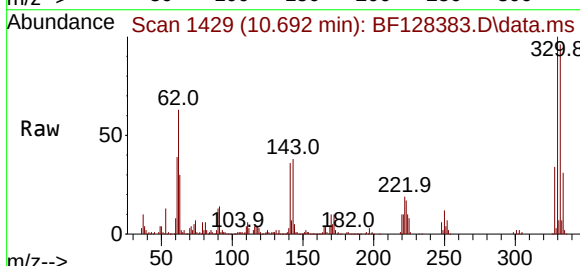
Tgt Ion:330 Resp: 186267

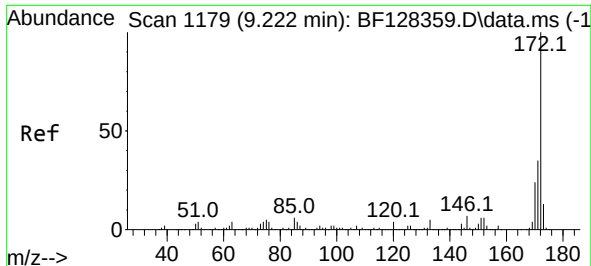
Ion Ratio Lower Upper

330 100

332 97.9 79.0 118.4

141 34.2 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 80.646 ng

RT: 9.216 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

Instrument :

BNA_F

ClientSampleId :

DUP051822

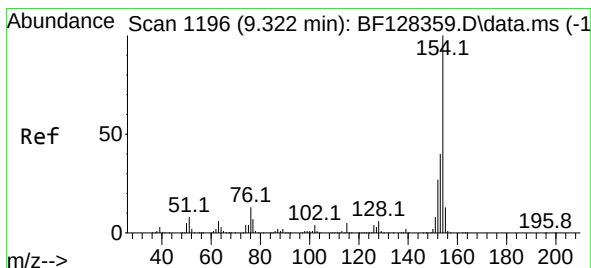
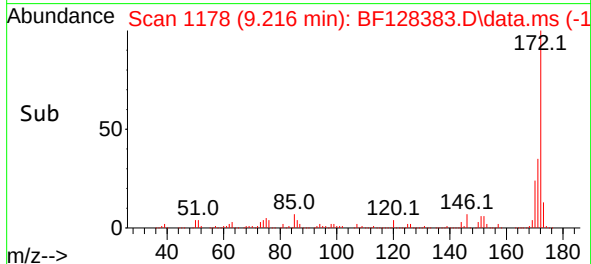
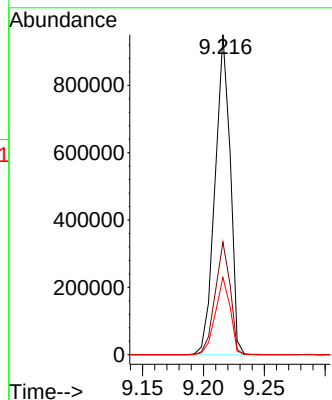
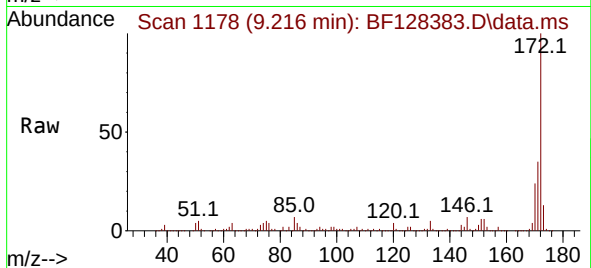
Tgt Ion:172 Resp: 821816

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 24.2 19.1 28.7



#46

1,1'-Biphenyl

Concen: 3.967 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

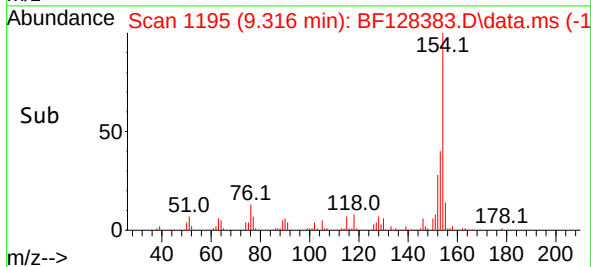
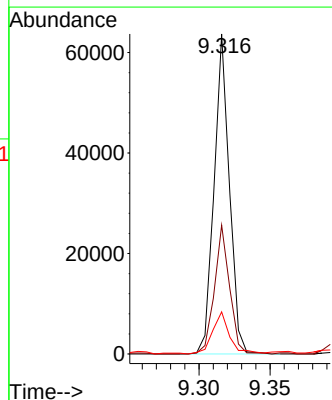
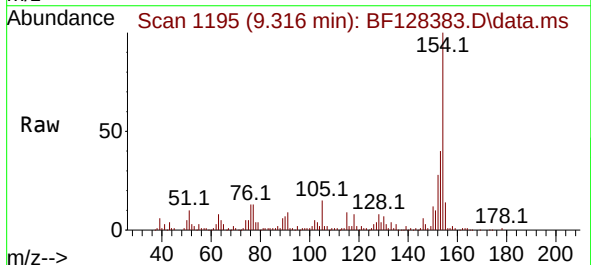
Tgt Ion:154 Resp: 47772

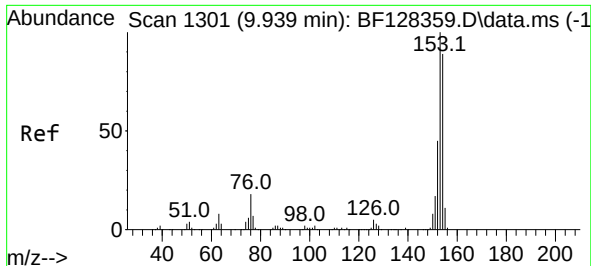
Ion Ratio Lower Upper

154 100

153 40.2 20.4 60.4

76 13.1 0.0 33.2

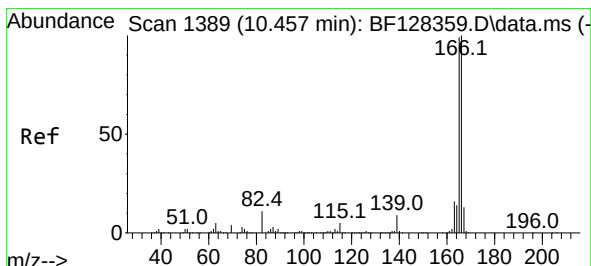
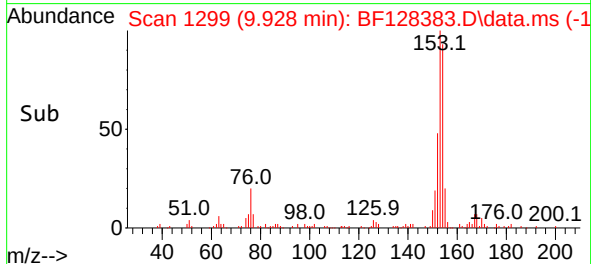
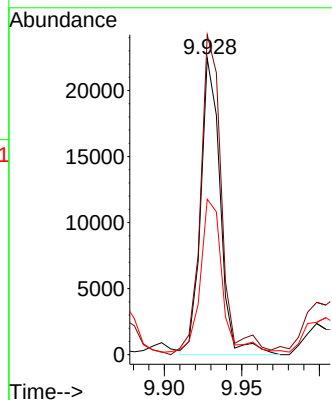
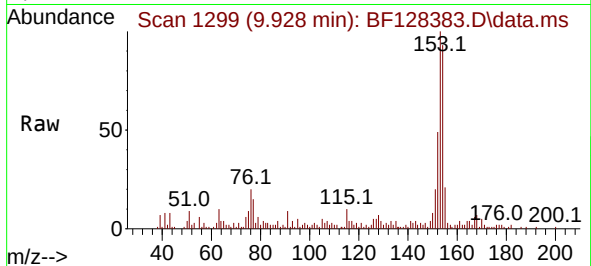




#52
Acenaphthene
Concen: 2.343 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

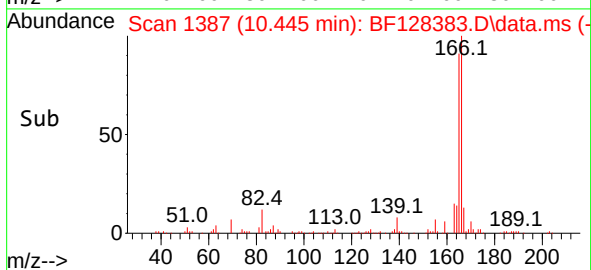
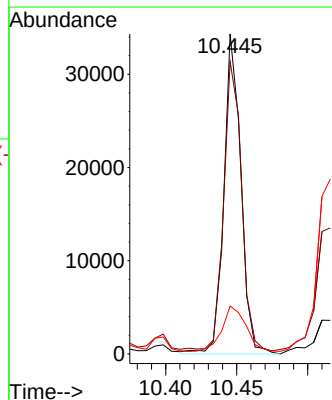
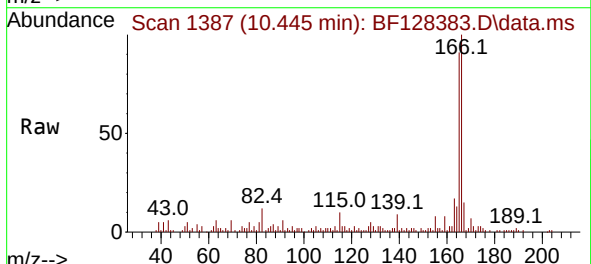
Instrument :
BNA_F
ClientSampleId :
DUP051822

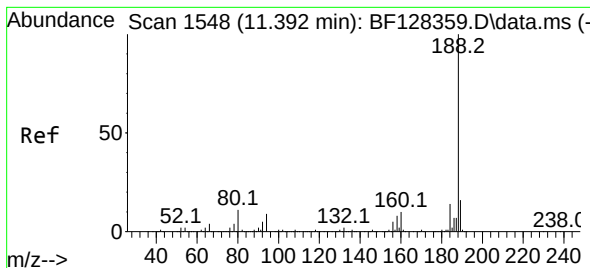
Tgt Ion:154 Resp: 19668
Ion Ratio Lower Upper
154 100
153 108.0 90.5 135.7
152 52.5 41.0 61.6



#58
Fluorene
Concen: 2.858 ng
RT: 10.445 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF128383.D
Acq: 21 May 2022 00:33

Tgt Ion:166 Resp: 28506
Ion Ratio Lower Upper
166 100
165 91.4 78.6 117.8
167 15.0 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

Instrument :

BNA_F

ClientSampleId :

DUP051822

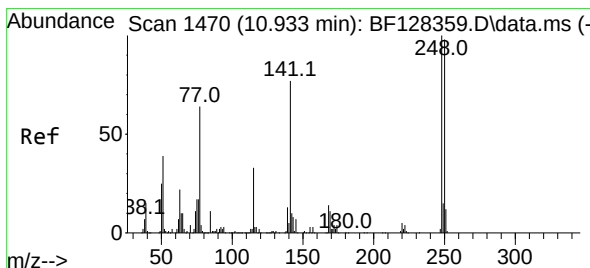
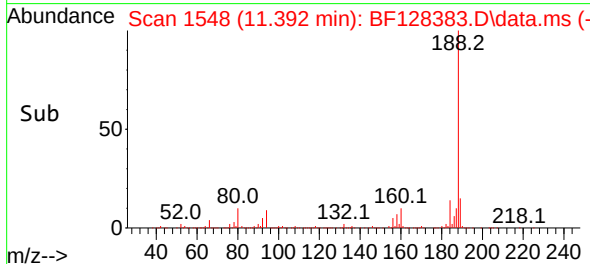
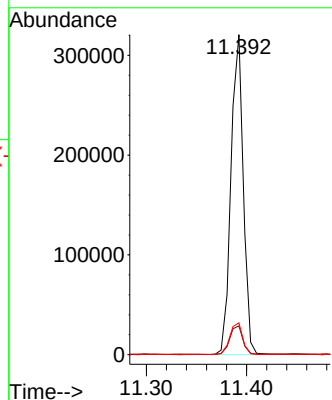
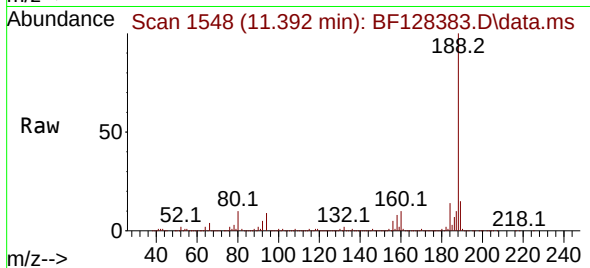
Tgt Ion:188 Resp: 273286

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

80 10.0 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 3.849 ng

RT: 10.692 min Scan# 1429

Delta R.T. -0.241 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

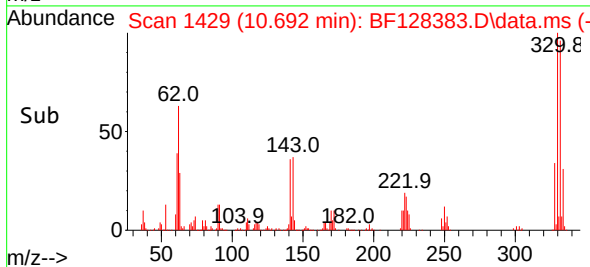
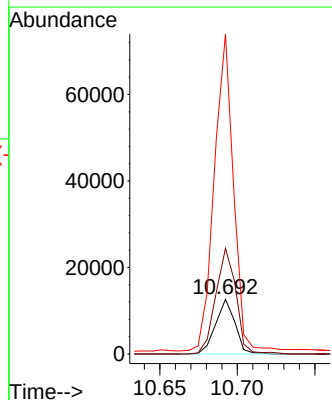
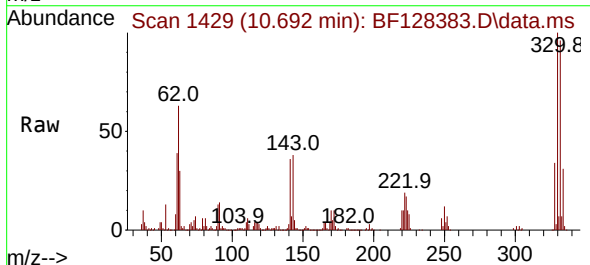
Tgt Ion:248 Resp: 11009

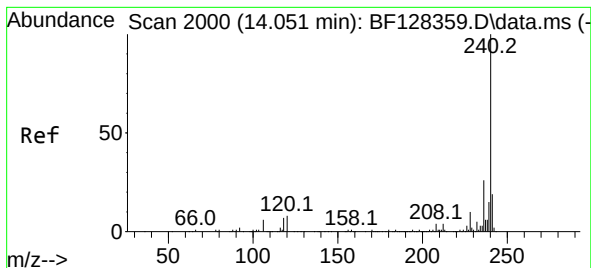
Ion Ratio Lower Upper

248 100

250 193.0 77.7 116.5#

141 585.0 65.6 98.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.012 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

Instrument :

BNA_F

ClientSampleId :

DUP051822

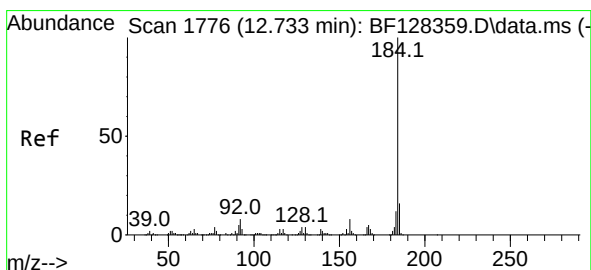
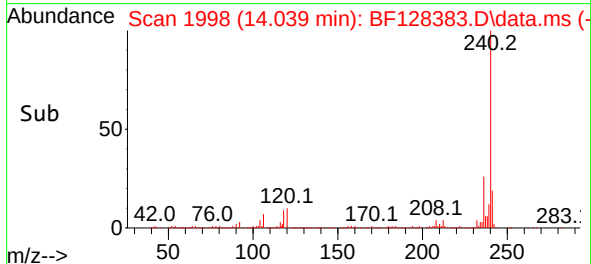
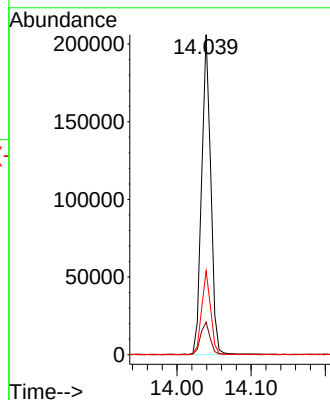
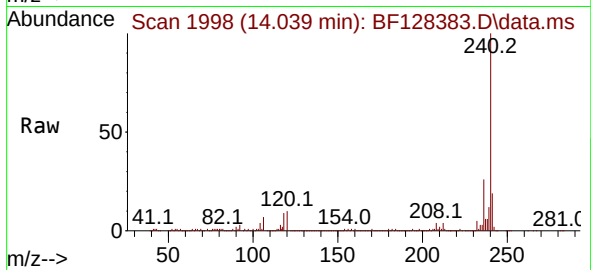
Tgt Ion:240 Resp: 176478

Ion Ratio Lower Upper

240 100

120 10.1 7.0 10.6

236 26.2 20.3 30.5



#77

Benzidine

Concen: 3.221 ng

RT: 12.975 min Scan# 1817

Delta R.T. 0.241 min

Lab File: BF128383.D

Acq: 21 May 2022 00:33

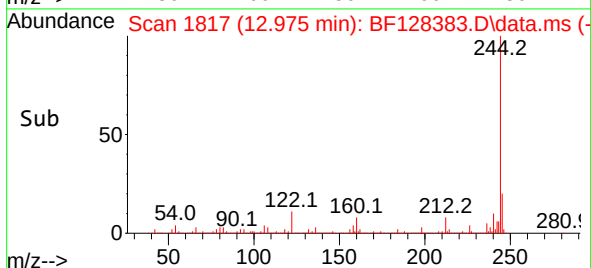
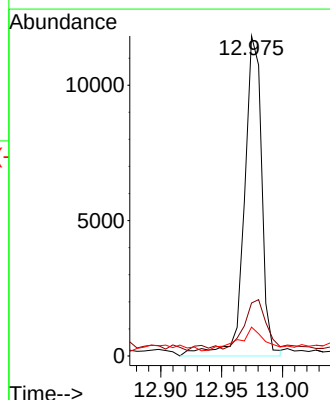
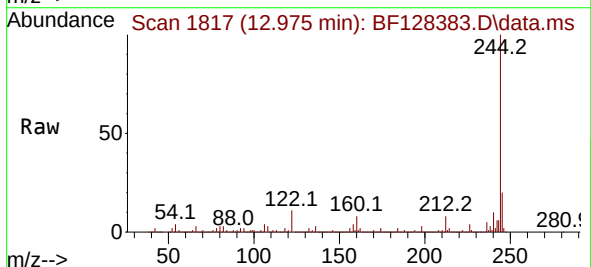
Tgt Ion:184 Resp: 11821

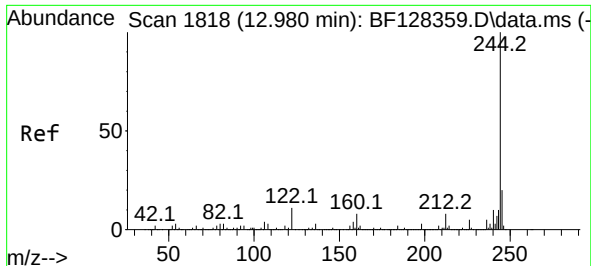
Ion Ratio Lower Upper

184 100

185 16.5 12.1 18.1

183 9.0 9.0 13.4

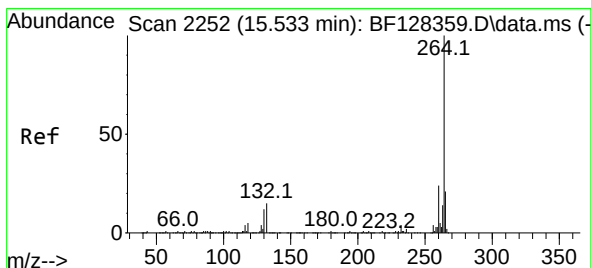
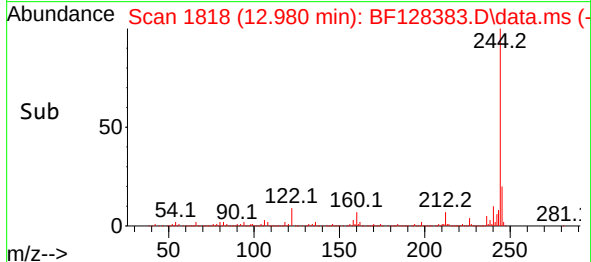
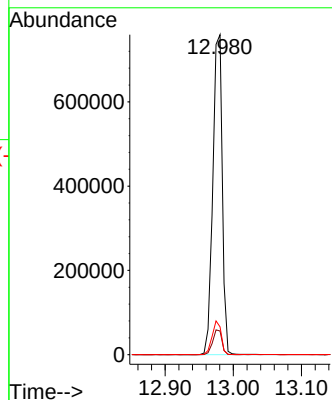
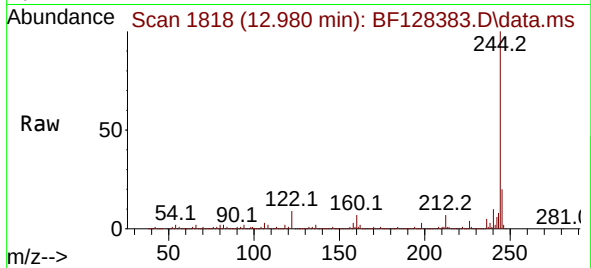




#79
 Terphenyl-d14
 Concen: 80.256 ng
 RT: 12.980 min Scan# 1818
 Delta R.T. 0.000 min
 Lab File: BF128383.D
 Acq: 21 May 2022 00:33

Instrument :
 BNA_F
 ClientSampleId :
 DUP051822

Tgt Ion:244 Resp: 733693
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.7 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2251
 Delta R.T. -0.006 min
 Lab File: BF128383.D
 Acq: 21 May 2022 00:33

Tgt Ion:264 Resp: 190939
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.1 30.1
 265 22.0 17.5 26.3

