

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128822.D
 Acq On : 15 Jun 2022 13:06
 Operator : CG\JU
 Sample : N3334-07DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-8DL

Quant Time: Jun 15 13:59:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

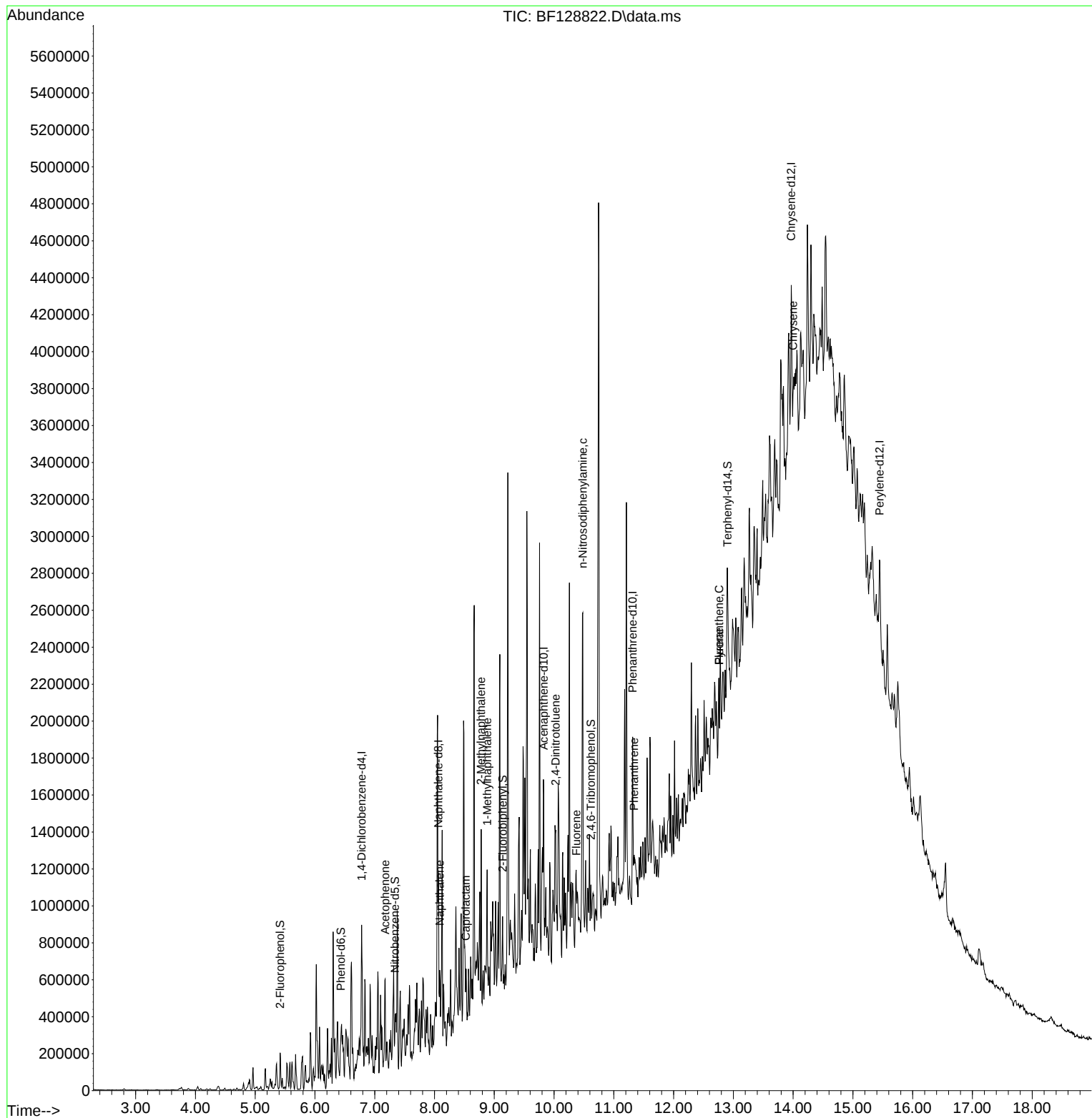
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	83968	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	316661	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	162865	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	249023	20.000	ng	0.00
76) Chrysene-d12	13.969	240	180296	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	169677	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	47941	9.094	ng	0.00
7) Phenol-d6	6.434	99	64545	10.030	ng	0.00
23) Nitrobenzene-d5	7.340	82	51078	7.510	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	14061	7.307	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	91570	7.876	ng	0.00
79) Terphenyl-d14	12.904	244	75963	7.321	ng	0.00
Target Compounds						
						Qvalue
22) Acetophenone	7.175	105	52617	6.353	ng	# 59
31) Naphthalene	8.087	128	69358	4.268	ng	# 94
35) Caprolactam	8.522	113	2825	2.106	ng	# 1
37) 2-Methylnaphthalene	8.781	142	209428	20.261	ng	100
38) 1-Methylnaphthalene	8.881	142	152900	15.310	ng	100
57) 2,4-Dinitrotoluene	10.028	165	7478	2.547	ng	# 61
58) Fluorene	10.375	166	24173	2.333	ng	# 86
66) n-Nitrosodiphenylamine	10.481	169	68290	8.922	ng	# 50
71) Phenanthrene	11.339	178	61547	4.928	ng	# 93
75) Fluoranthene	12.763	202	28318	2.169	ng	78
78) Pyrene	12.763	202	28318	2.111	ng	# 83
83) Chrysene	13.998	228	29635	2.766	ng	# 57

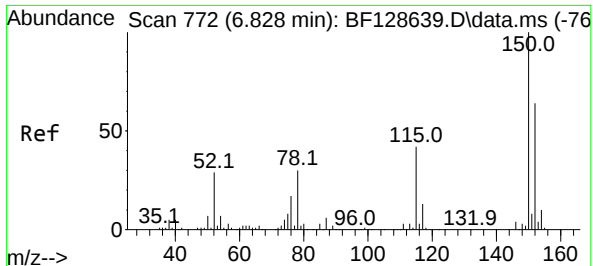
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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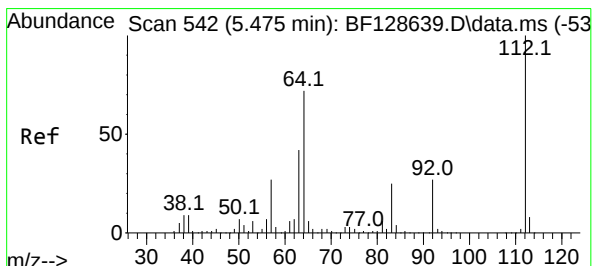
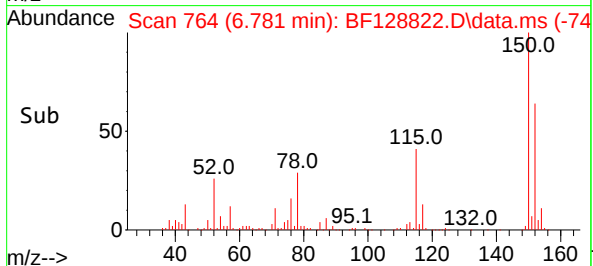
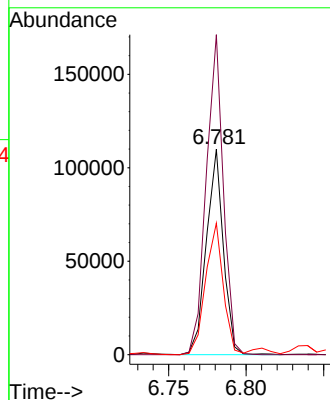
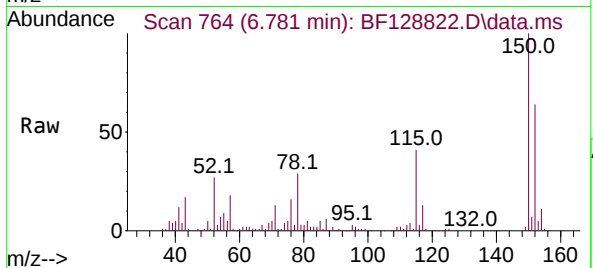




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

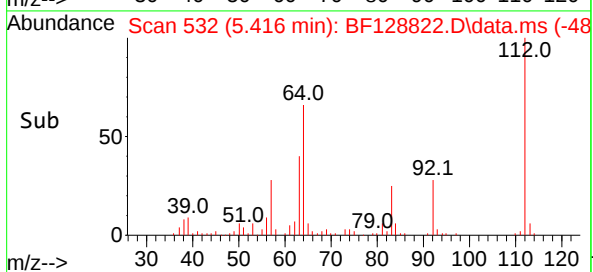
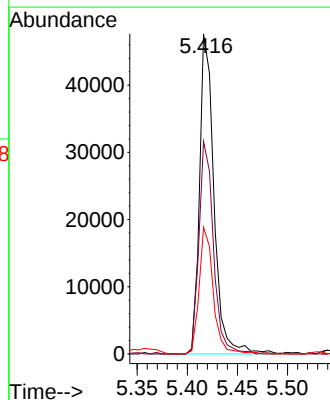
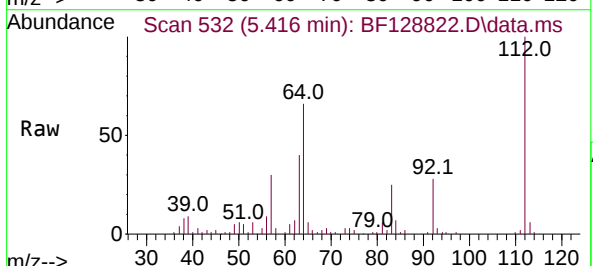
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

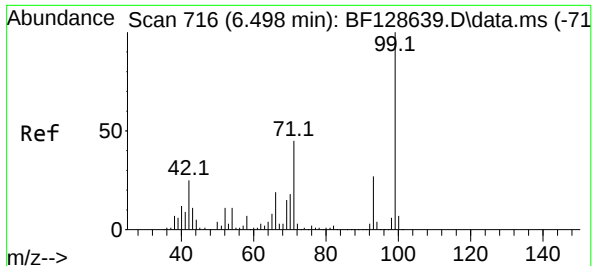
Tgt Ion:152 Resp: 83968
Ion Ratio Lower Upper
152 100
150 155.7 123.7 185.5
115 64.0 49.9 74.9



#5
2-Fluorophenol
Concen: 9.094 ng
RT: 5.416 min Scan# 532
Delta R.T. 0.000 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:112 Resp: 47941
Ion Ratio Lower Upper
112 100
64 66.5 53.3 79.9
63 39.6 28.0 42.0

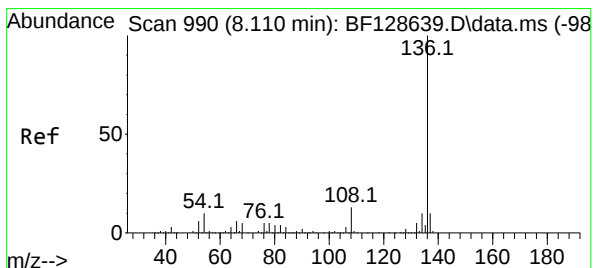
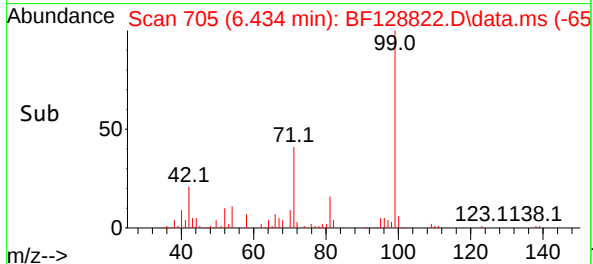
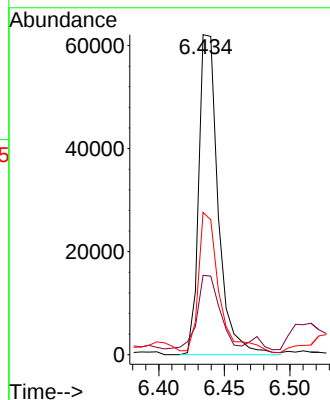
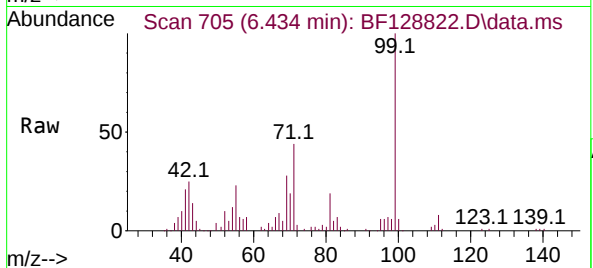




#7
Phenol-d6
Concen: 10.030 ng
RT: 6.434 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

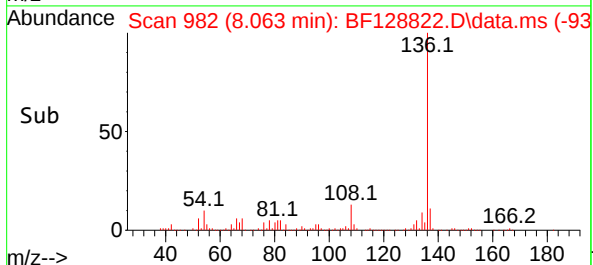
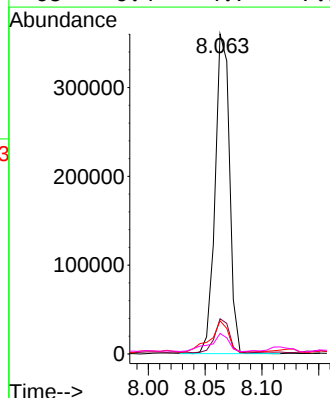
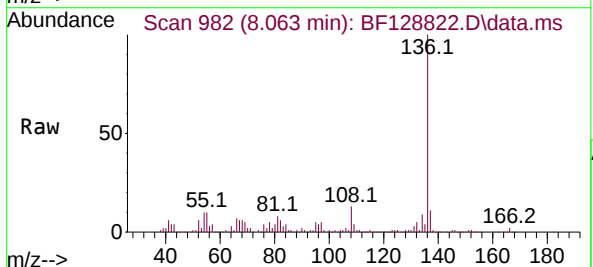
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

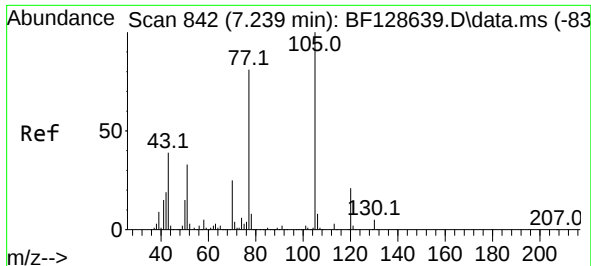
Tgt Ion: 99 Resp: 64545
Ion Ratio Lower Upper
99 100
42 24.8 17.3 25.9
71 44.5 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:136 Resp: 316661
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.3 7.5 11.3
68 6.4 4.7 7.1

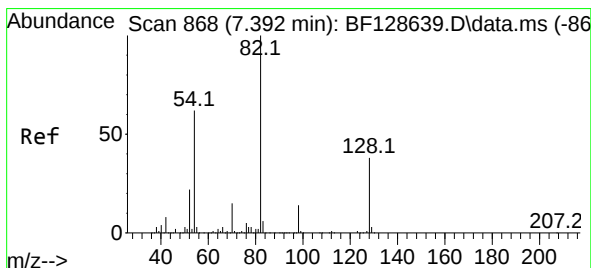
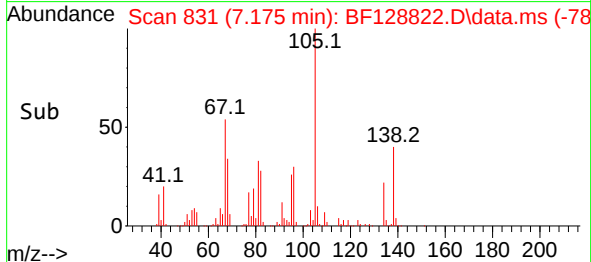
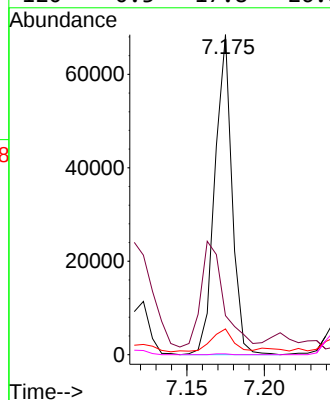
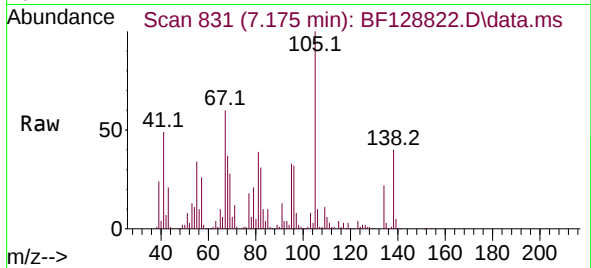




#22
Acetophenone
Concen: 6.353 ng
RT: 7.175 min Scan# 811
Delta R.T. -0.023 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

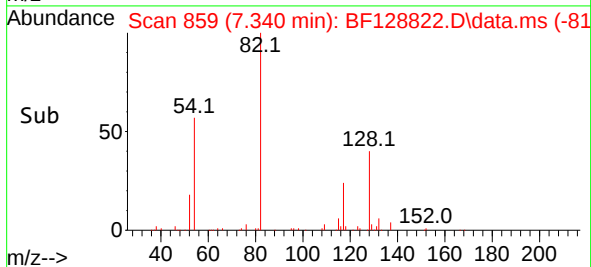
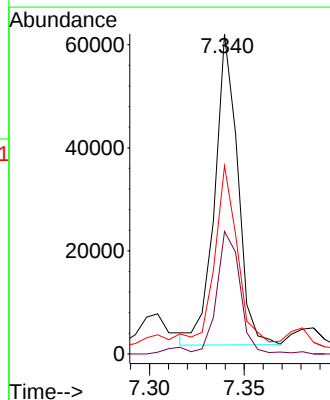
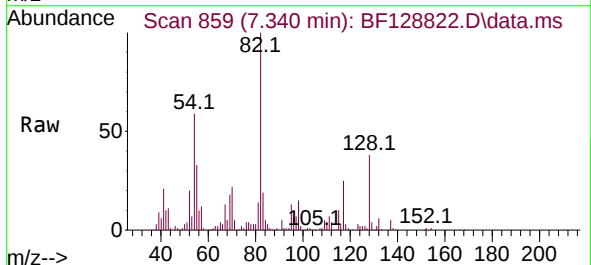
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

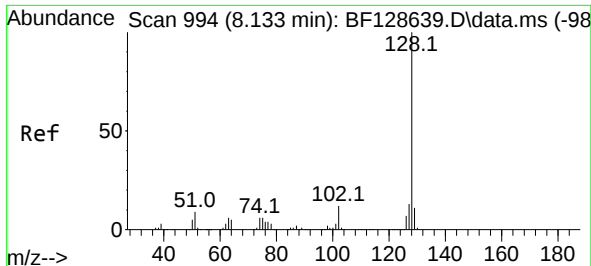
Tgt Ion:105 Resp: 52617
Ion Ratio Lower Upper
105 100
71 12.2 5.0 7.4#
51 8.0 25.0 37.4#
120 0.3 17.8 26.8#



#23
Nitrobenzene-d5
Concen: 7.510 ng
RT: 7.340 min Scan# 859
Delta R.T. -0.012 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion: 82 Resp: 51078
Ion Ratio Lower Upper
82 100
128 38.3 34.0 51.0
54 58.8 46.9 70.3

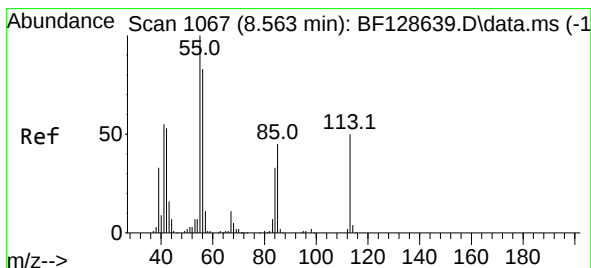
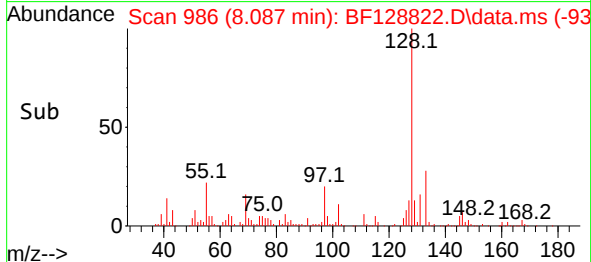
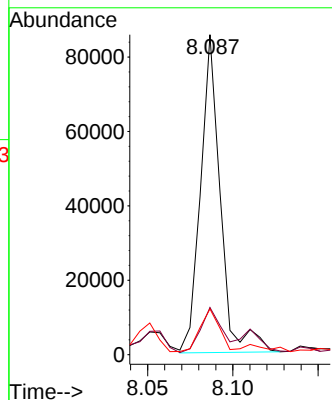
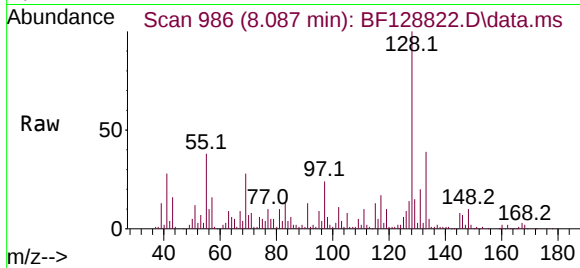




#31
Naphthalene
Concen: 4.268 ng
RT: 8.087 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

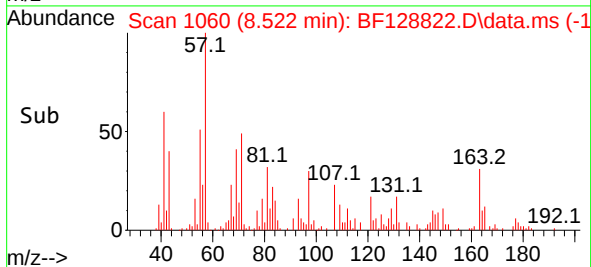
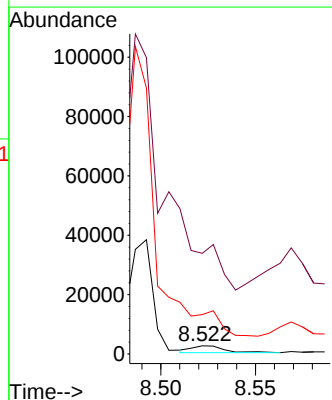
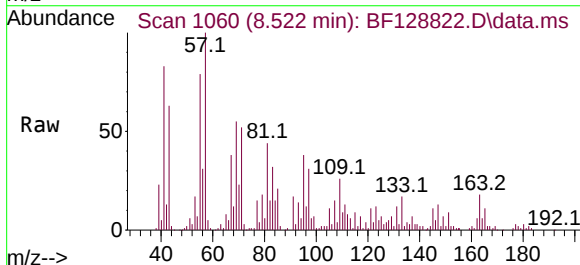
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

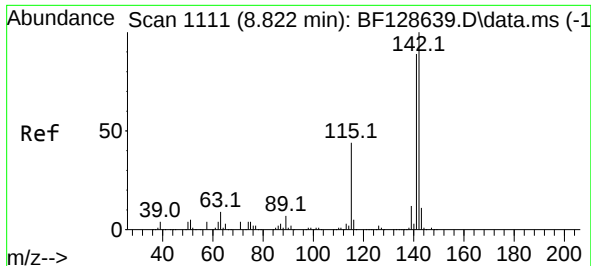
Tgt Ion:128 Resp: 69358
Ion Ratio Lower Upper
128 100
129 14.7 9.2 13.8#
127 14.3 10.5 15.7



#35
Caprolactam
Concen: 2.106 ng
RT: 8.522 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:113 Resp: 2825
Ion Ratio Lower Upper
113 100
55 1242.2 188.5 228.5#
56 486.4 130.6 170.6#





#37

2-Methylnaphthalene

Concen: 20.261 ng

RT: 8.781 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BF128822.D

Acq: 15 Jun 2022 13:06

Instrument :

BNA_F

ClientSampleId :

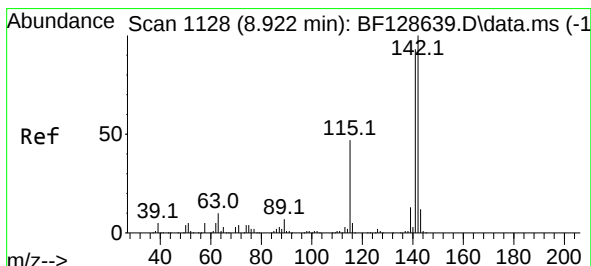
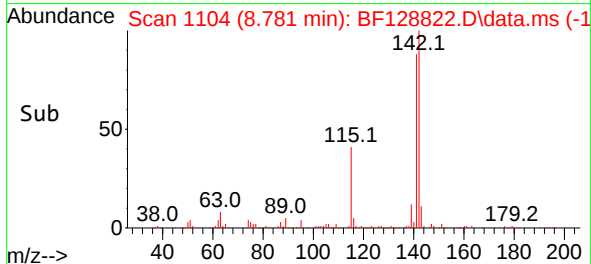
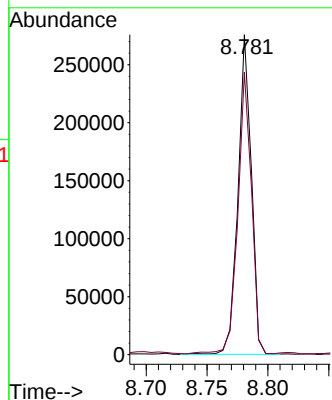
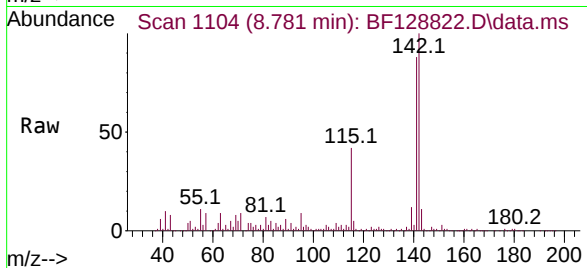
WC-14A-1A-8DL

Tgt Ion:142 Resp: 209428

Ion Ratio Lower Upper

142 100

141 88.3 71.0 106.4



#38

1-Methylnaphthalene

Concen: 15.310 ng

RT: 8.881 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF128822.D

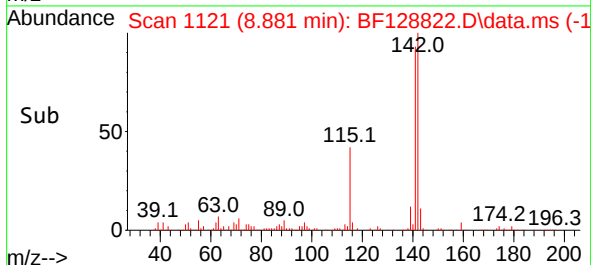
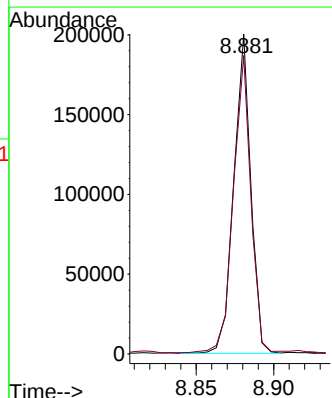
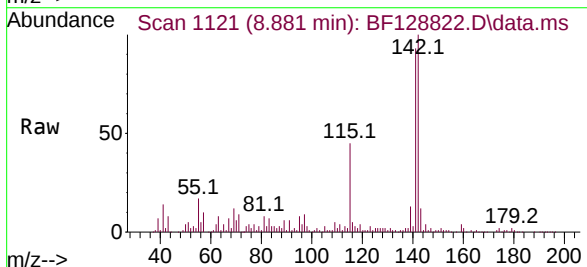
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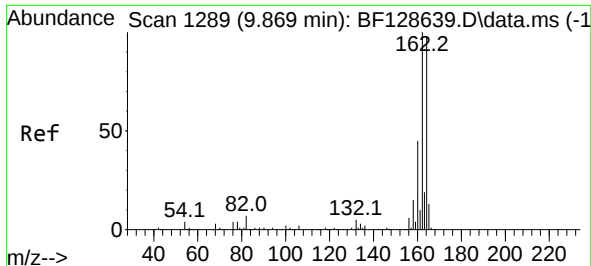
Tgt Ion:142 Resp: 152900

Ion Ratio Lower Upper

142 100

141 93.3 74.2 111.4

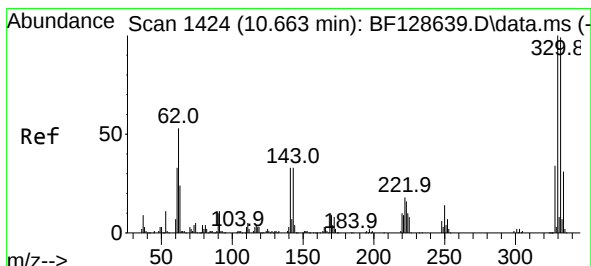
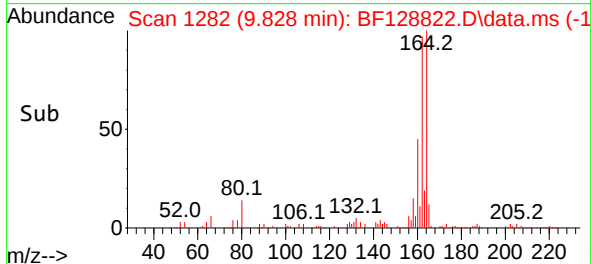
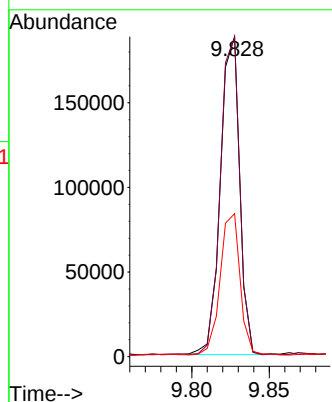
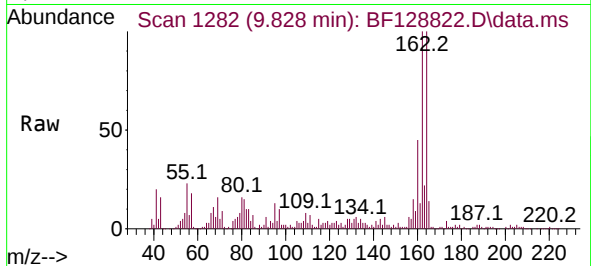




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

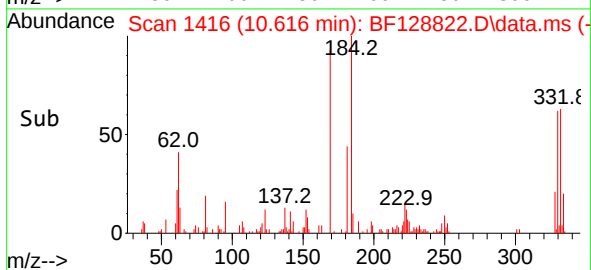
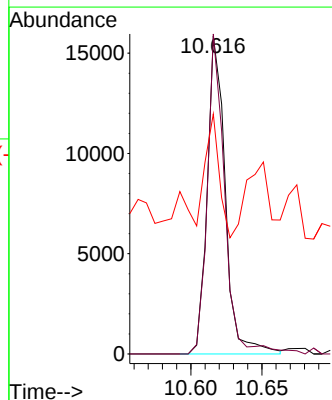
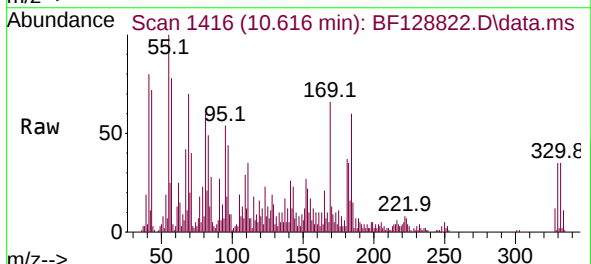
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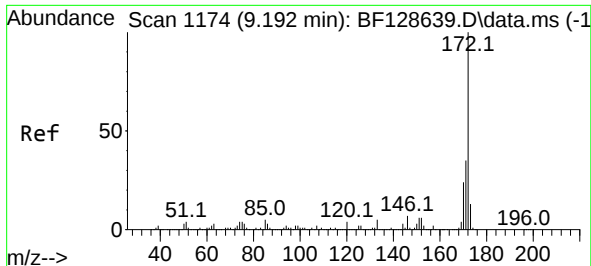
Tgt Ion:164 Resp: 162865
Ion Ratio Lower Upper
164 100
162 100.0 79.5 119.3
160 44.7 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 7.307 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:330 Resp: 14061
Ion Ratio Lower Upper
330 100
332 96.8 76.8 115.2
141 30.0 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 7.876 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128822.D

Acq: 15 Jun 2022 13:06

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-8DL

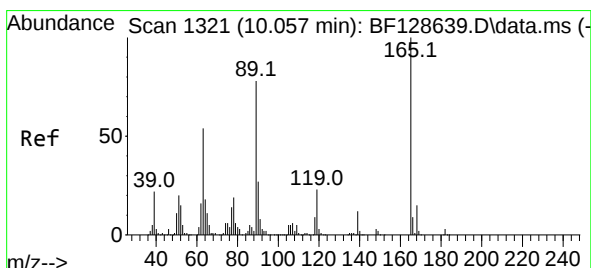
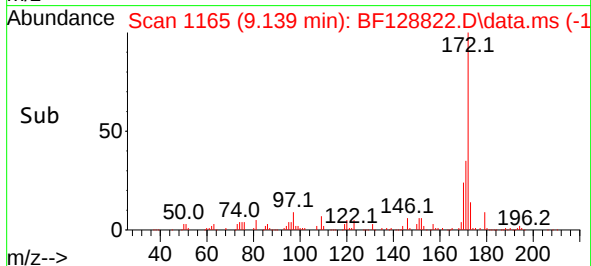
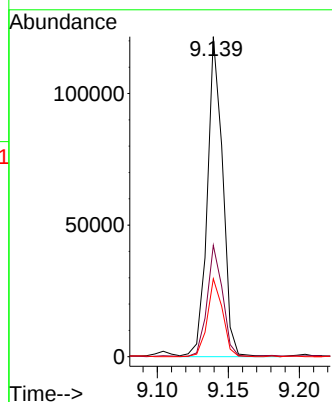
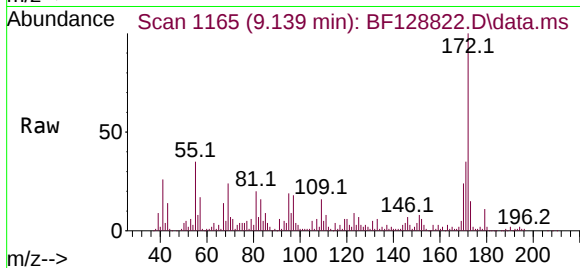
Tgt Ion:172 Resp: 91570

Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 24.4 19.8 29.8



#57

2,4-Dinitrotoluene

Concen: 2.547 ng

RT: 10.028 min Scan# 1316

Delta R.T. 0.006 min

Lab File: BF128822.D

Acq: 15 Jun 2022 13:06

Tgt Ion:165 Resp: 7478

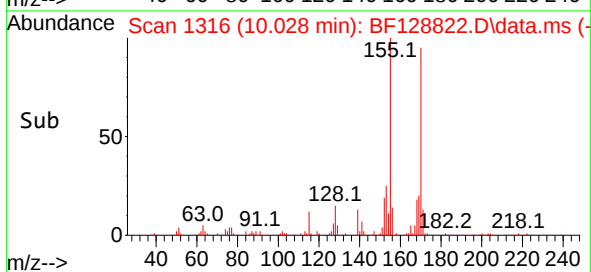
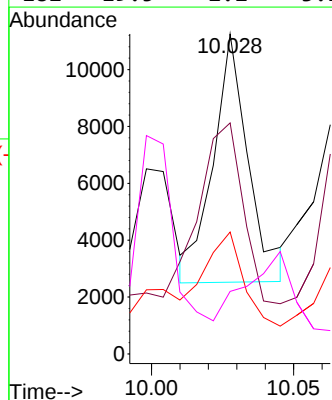
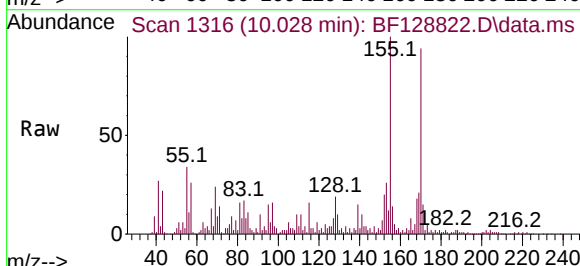
Ion Ratio Lower Upper

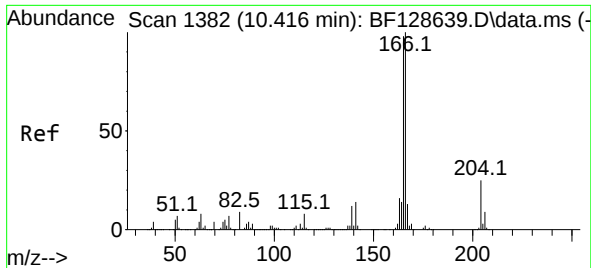
165 100

63 72.2 39.8 59.6#

89 38.1 60.2 90.2#

182 19.5 2.2 3.2#

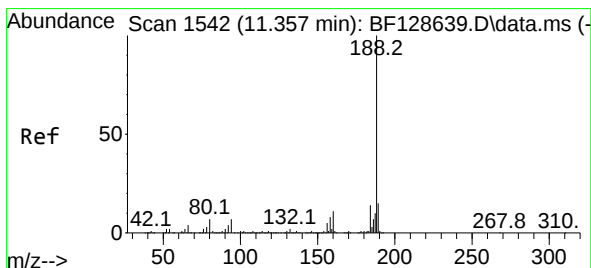
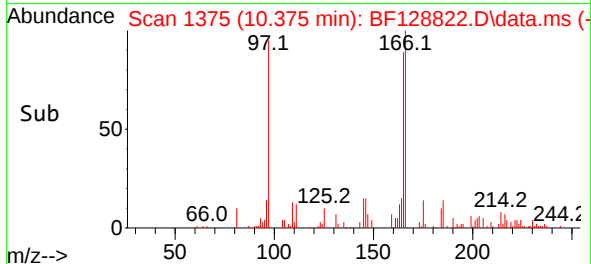
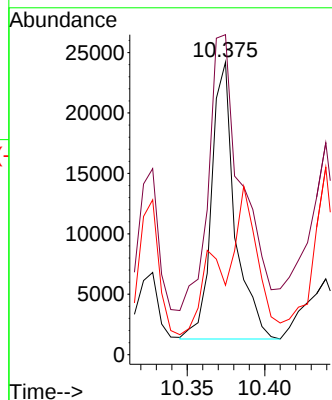
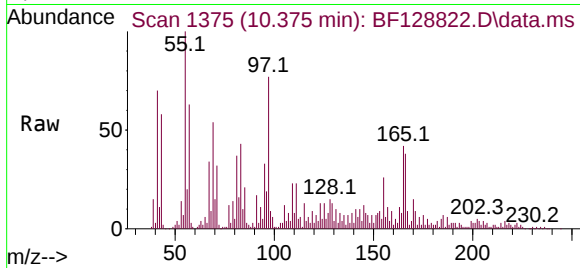




#58
Fluorene
Concen: 2.333 ng
RT: 10.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

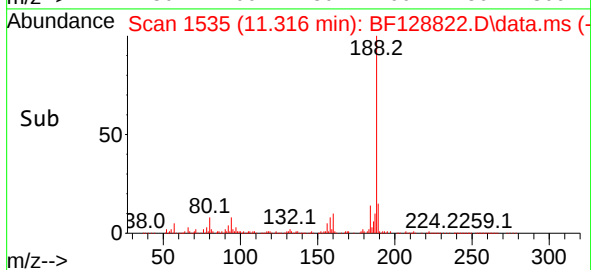
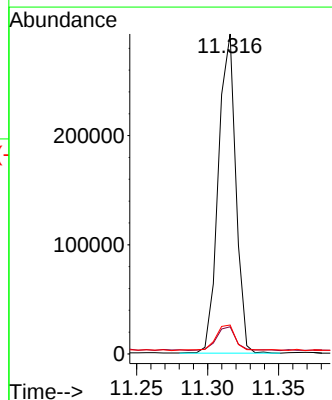
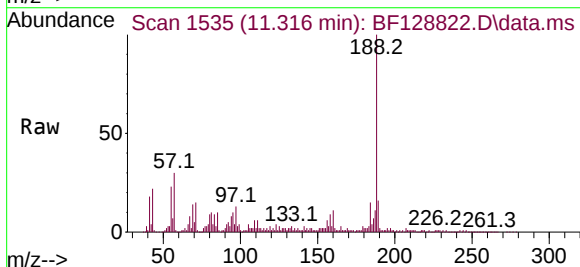
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

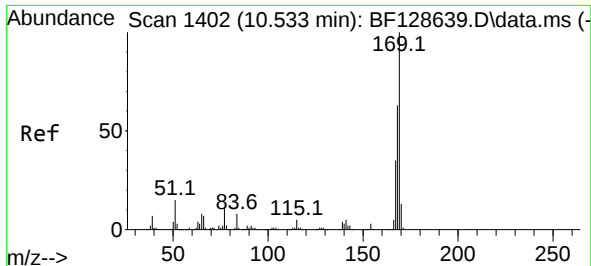
Tgt Ion:166 Resp: 24173
Ion Ratio Lower Upper
166 100
165 109.4 78.1 117.1
167 23.8 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:188 Resp: 249023
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.6
80 9.1 7.6 11.4

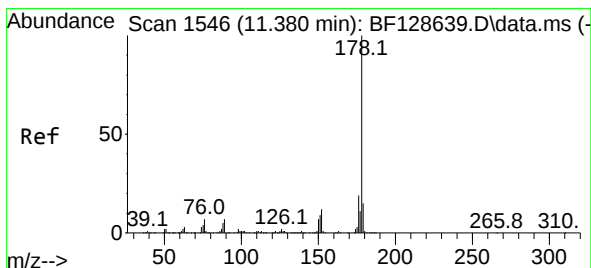
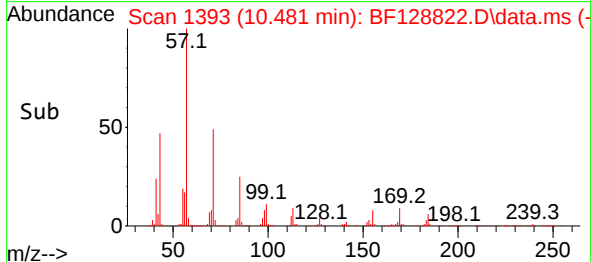
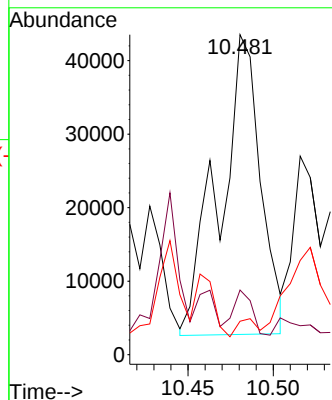
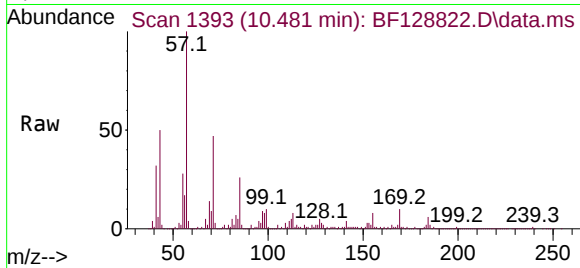




#66
n-Nitrosodiphenylamine
Concen: 8.922 ng
RT: 10.481 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

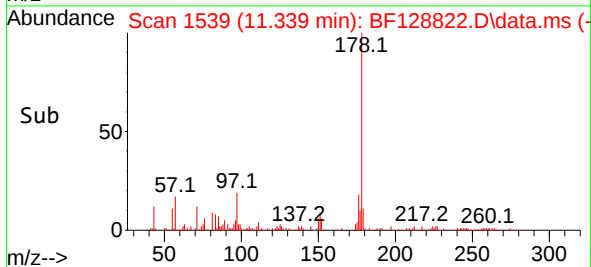
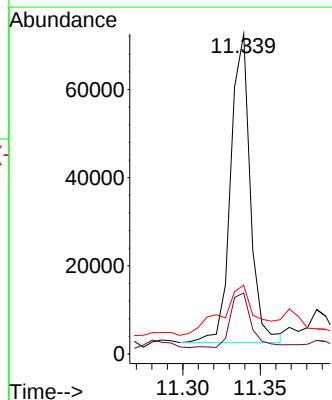
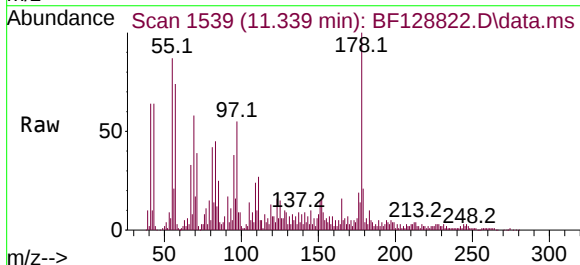
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

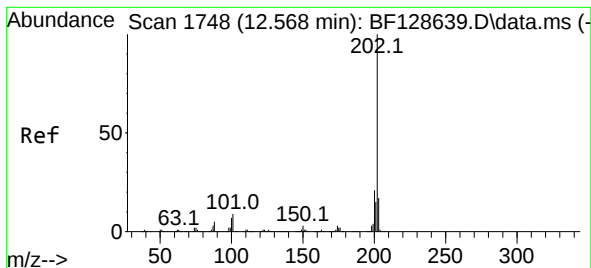
Tgt Ion:169 Resp: 68290
Ion Ratio Lower Upper
169 100
168 20.2 50.1 75.1#
167 10.5 27.9 41.9#



#71
Phenanthrene
Concen: 4.928 ng
RT: 11.339 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:178 Resp: 61547
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 21.5 12.6 19.0#





#75

Fluoranthene

Concen: 2.169 ng

RT: 12.763 min Scan# 1

Delta R.T. 0.235 min

Lab File: BF128822.D

Acq: 15 Jun 2022 13:06

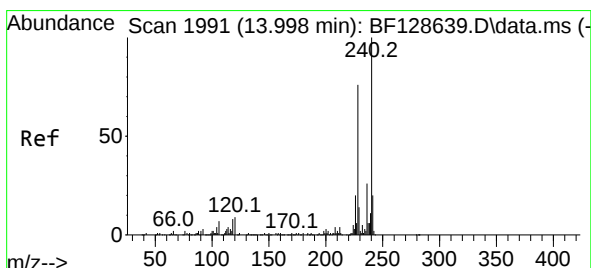
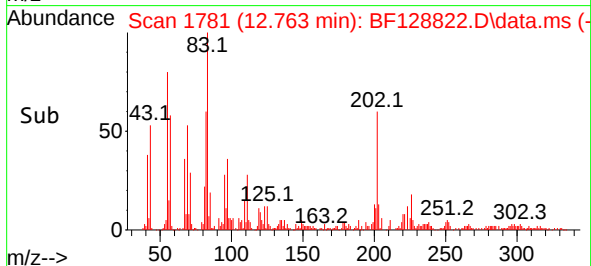
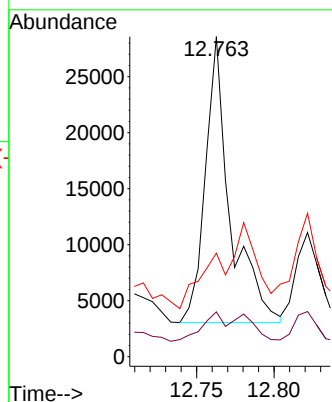
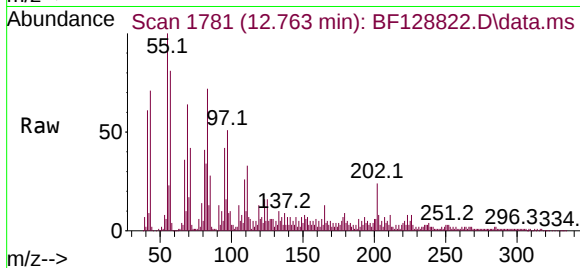
Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-8DL

Tgt Ion:	202	Resp:	28318
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	31.4
203	32.4	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

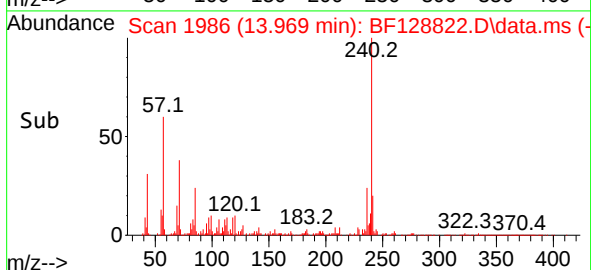
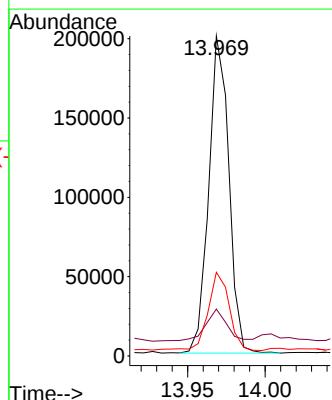
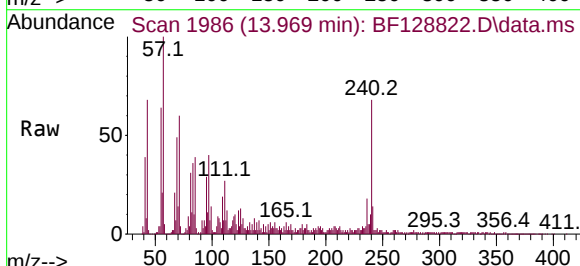
RT: 13.969 min Scan# 1986

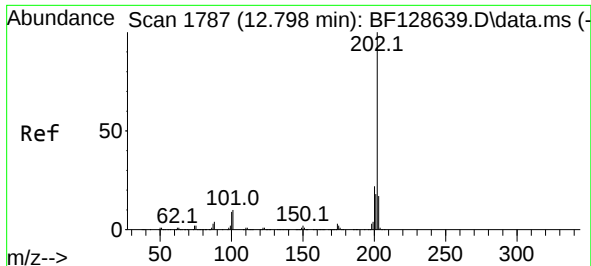
Delta R.T. 0.006 min

Lab File: BF128822.D

Acq: 15 Jun 2022 13:06

Tgt Ion:	240	Resp:	180296
Ion Ratio	Lower	Upper	
240	100		
120	14.6	8.9	13.3#
236	26.2	20.8	31.2

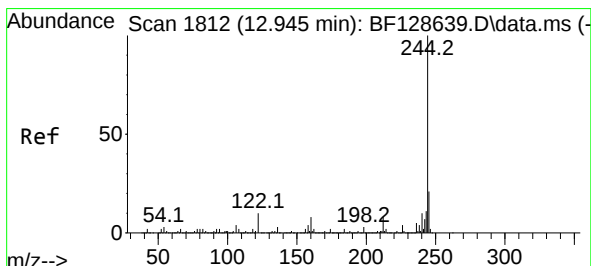
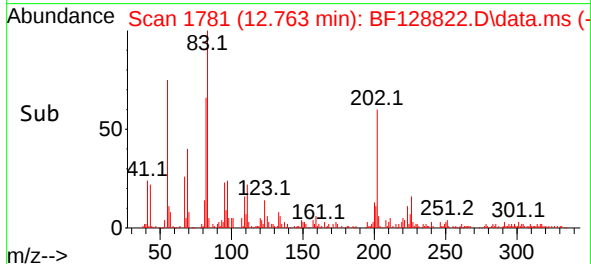
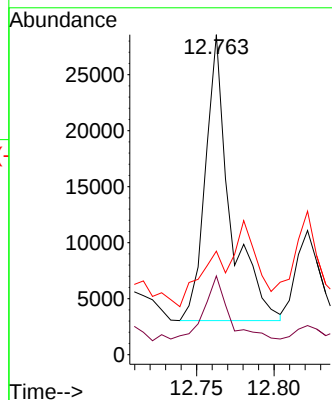
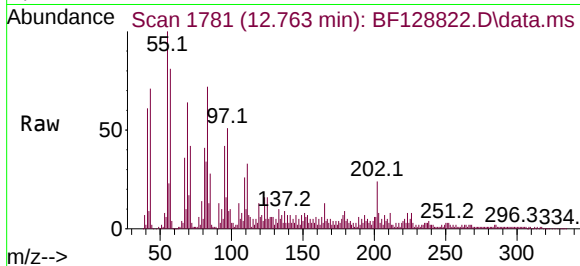




#78
Pyrene
Concen: 2.111 ng
RT: 12.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

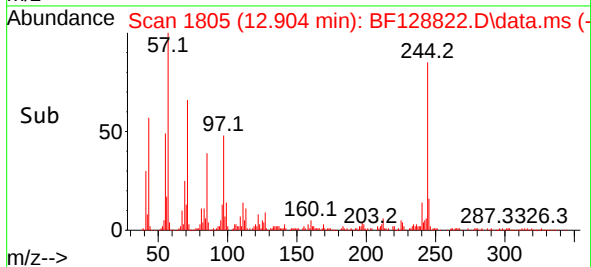
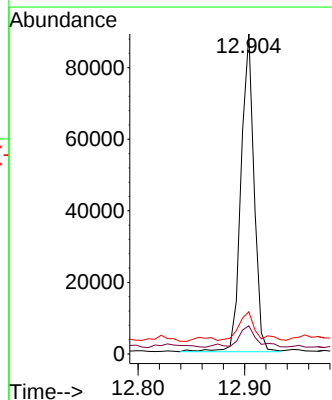
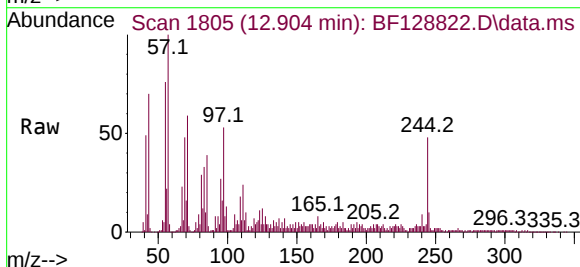
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

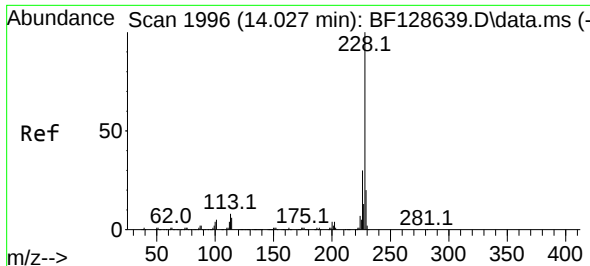
Tgt Ion:202 Resp: 28318
Ion Ratio Lower Upper
202 100
200 24.6 17.7 26.5
203 32.4 14.6 21.8#



#79
Terphenyl-d14
Concen: 7.321 ng
RT: 12.904 min Scan# 1805
Delta R.T. 0.000 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:244 Resp: 75963
Ion Ratio Lower Upper
244 100
212 8.8 6.1 9.1
122 13.2 8.8 13.2

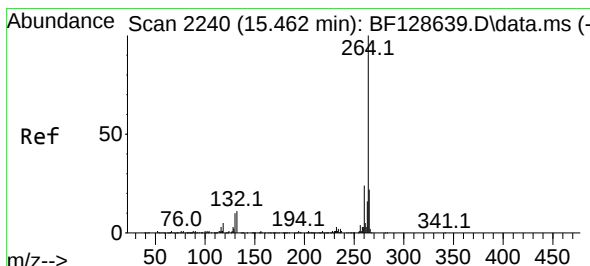
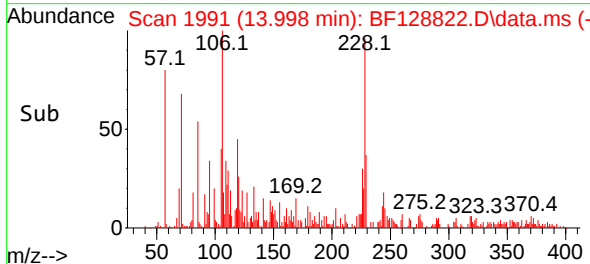
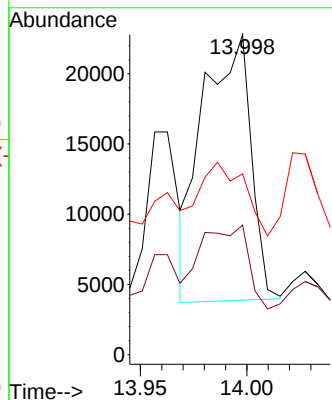
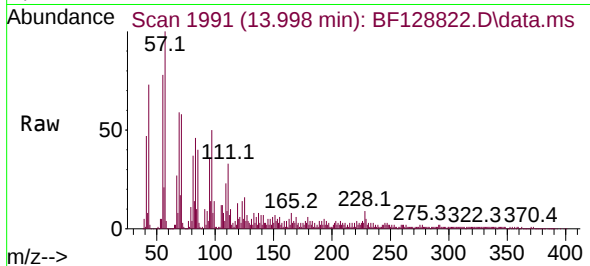




#83
Chrysene
Concen: 2.766 ng
RT: 13.998 min Scan# 1996
Delta R.T. 0.006 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-8DL

Tgt Ion:228 Resp: 29635
Ion Ratio Lower Upper
228 100
226 40.5 24.3 36.5#
229 56.5 15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2237
Delta R.T. 0.029 min
Lab File: BF128822.D
Acq: 15 Jun 2022 13:06

Tgt Ion:264 Resp: 169677
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 22.8 17.2 25.8

