

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128787.D
 Acq On : 13 Jun 2022 16:42
 Operator : CG\JU
 Sample : N3286-03DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2DDL

Quant Time: Jun 14 01:56:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	96567	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	364438	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	207346	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	384211	20.000	ng	0.00
76) Chrysene-d12	13.974	240	268529	20.000	ng	#-0.01
86) Perylene-d12	15.439	264	184562	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	141984	23.420	ng	0.00
7) Phenol-d6	6.463	99	115706	15.635	ng	-0.02
23) Nitrobenzene-d5	7.369	82	299366	38.245	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	145246	59.287	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	610381	41.236	ng	-0.01
79) Terphenyl-d14	12.922	244	674019	43.615	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.363	77	96071	21.309	ng	# 1
17) 2-Methylphenol	7.075	107	12720	2.594	ng	# 29
18) Hexachloroethane	7.292	117	12481	4.632	ng	# 1
19) n-Nitroso-di-n-propyla...	7.369	70	43255	9.401	ng	# 75
22) Acetophenone	7.192	105	89961	9.438	ng	# 57
25) Isophorone	7.369	82	296716	24.959	ng	# 65
27) 2,4-Dimethylphenol	7.769	122	49486	10.260	ng	# 92
31) Naphthalene	8.110	128	682767	36.505	ng	99
33) 4-Chloroaniline	8.110	127	92476	13.114	ng	# 32
37) 2-Methylnaphthalene	8.798	142	102125	8.585	ng	97
38) 1-Methylnaphthalene	8.898	142	115413	10.041	ng	98
57) 2,4-Dinitrotoluene	9.845	165	27810	7.439	ng	# 23
67) 4-Bromophenyl-phenylether	10.639	248	9316	2.174	ng	# 1

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

MW-2DDL

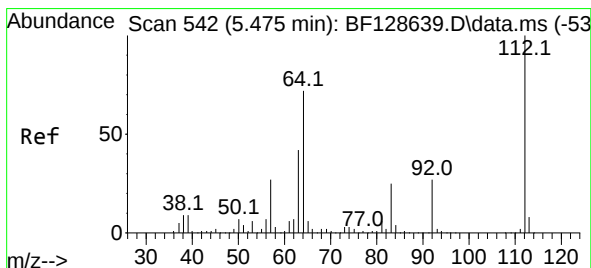
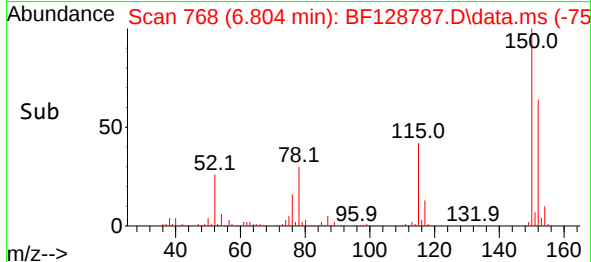
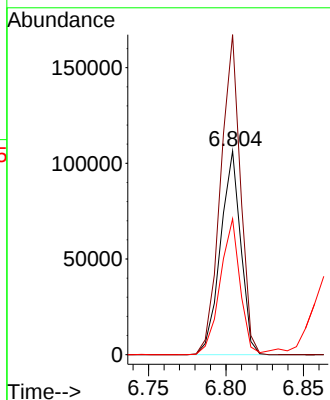
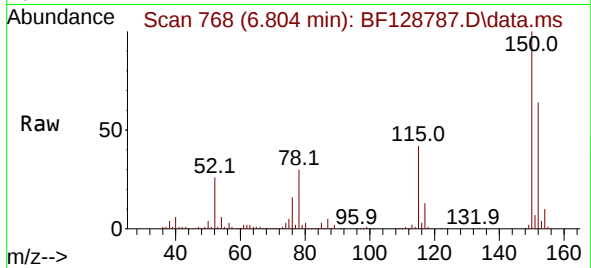
Response via : Initial Calibration



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF128787.D
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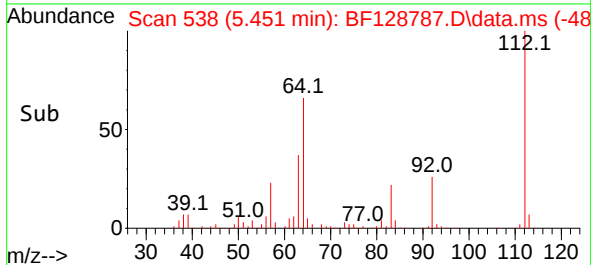
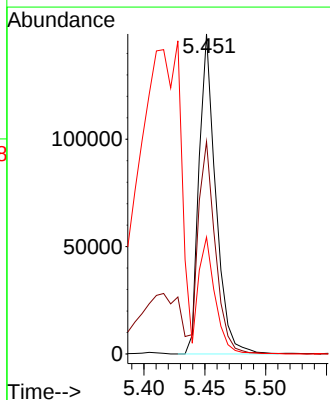
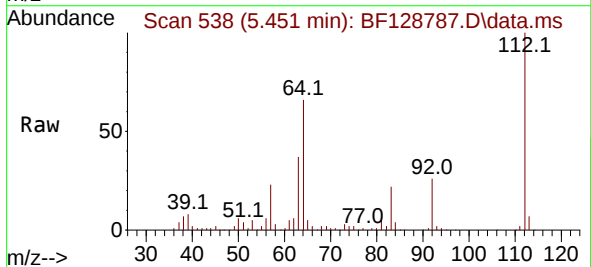
Instrument :
BNA_F
ClientSampleId :
MW-2DDL

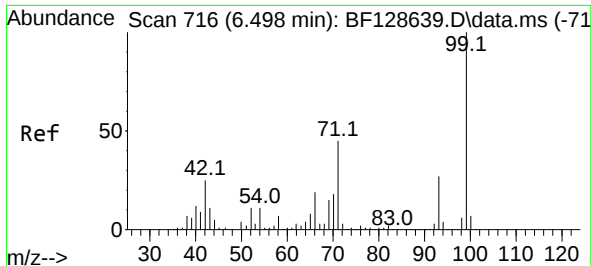
Tgt Ion:152 Resp: 96567
Ion Ratio Lower Upper
152 100
150 157.1 123.7 185.5
115 66.7 49.9 74.9



#5
2-Fluorophenol
Concen: 23.420 ng
RT: 5.451 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion:112 Resp: 141984
Ion Ratio Lower Upper
112 100
64 66.3 53.3 79.9
63 36.5 28.0 42.0

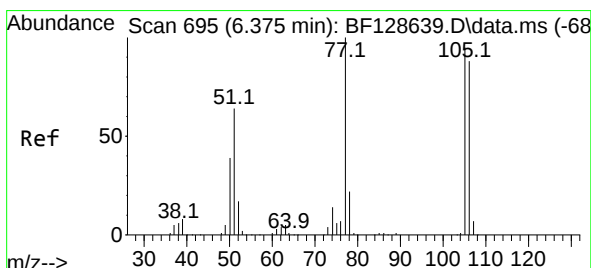
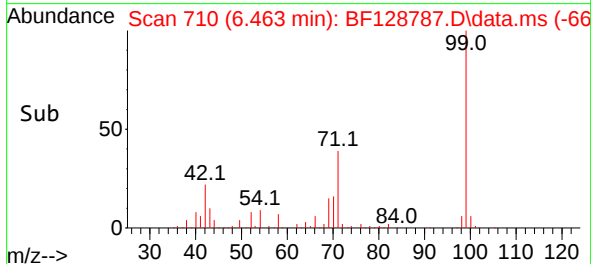
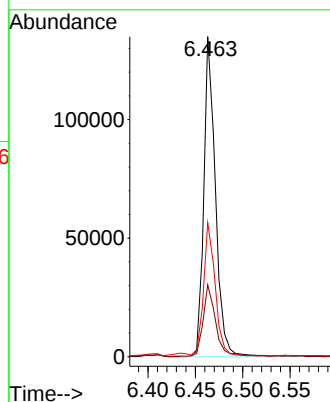
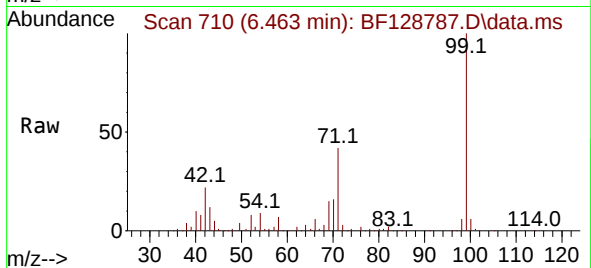




#7
Phenol-d6
Concen: 15.635 ng
RT: 6.463 min Scan# 716
Delta R.T. -0.018 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

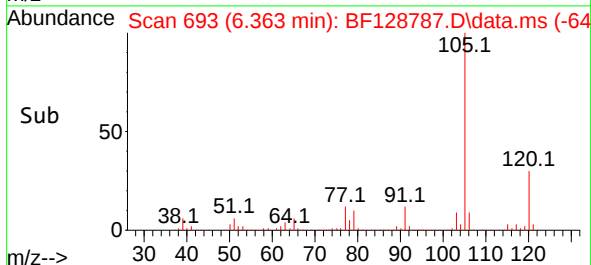
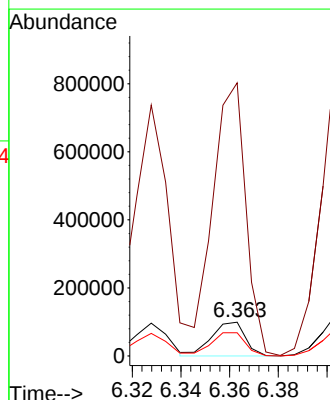
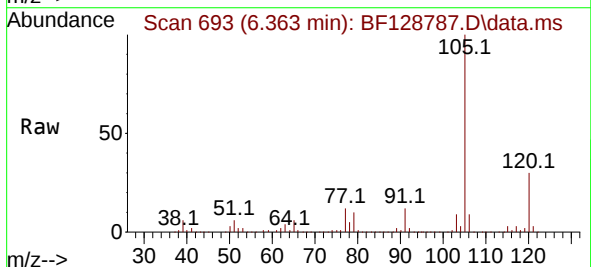
Instrument :
BNA_F
ClientSampleId :
MW-2DDL

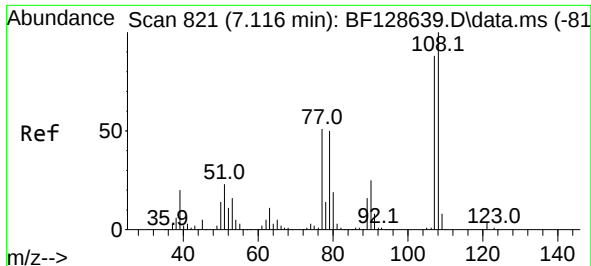
Tgt Ion: 99 Resp: 115706
Ion Ratio Lower Upper
99 100
42 22.5 17.3 25.9
71 41.9 28.9 43.3



#9
Benzaldehyde
Concen: 21.309 ng
RT: 6.363 min Scan# 693
Delta R.T. -0.000 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion: 77 Resp: 96071
Ion Ratio Lower Upper
77 100
105 808.6 81.6 121.6#
106 68.9 76.1 116.1#

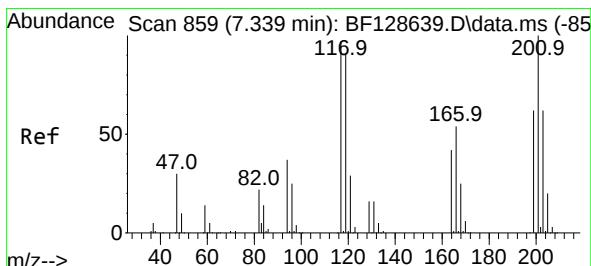
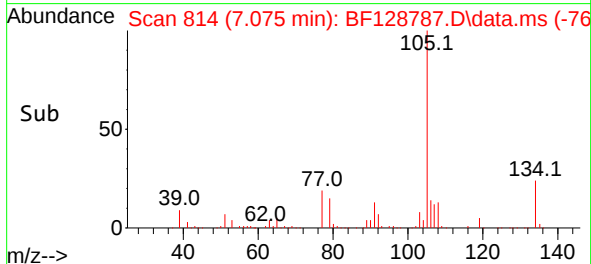
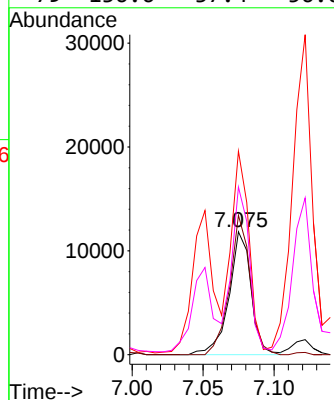
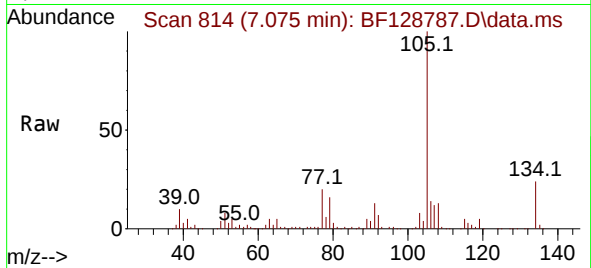




#17
2-Methylphenol
Concen: 2.594 ng
RT: 7.075 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

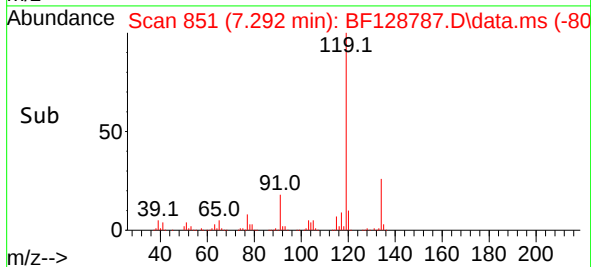
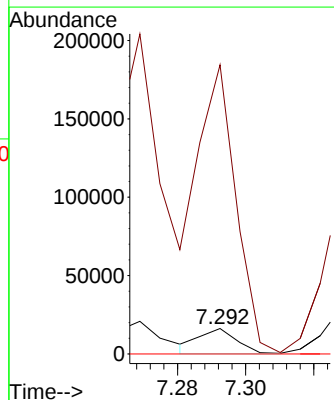
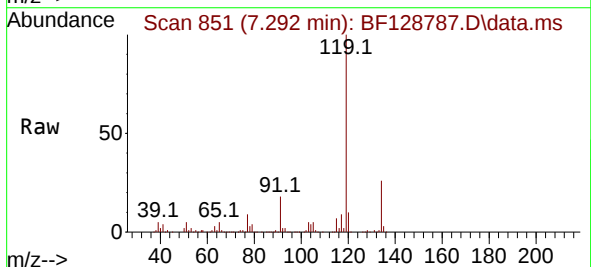
Instrument :
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ClientSampleId :
MW-2DDL

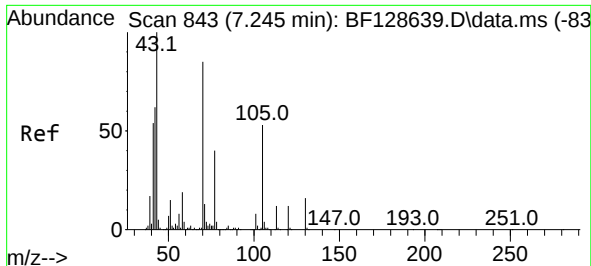
Tgt Ion:107 Resp: 12720
Ion Ratio Lower Upper
107 100
108 113.4 91.9 137.9
77 165.7 37.8 56.8#
79 136.6 37.4 56.0#



#18
Hexachloroethane
Concen: 4.632 ng
RT: 7.292 min Scan# 851
Delta R.T. -0.030 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion:117 Resp: 12481
Ion Ratio Lower Upper
117 100
119 1138.3 77.4 116.2#
201 0.0 84.6 127.0#

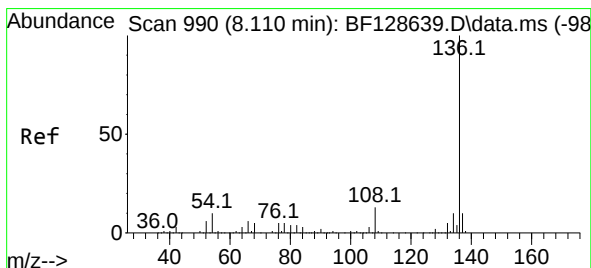
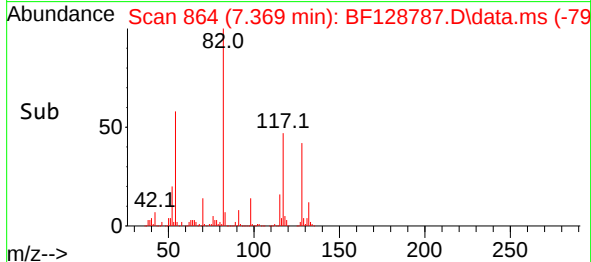
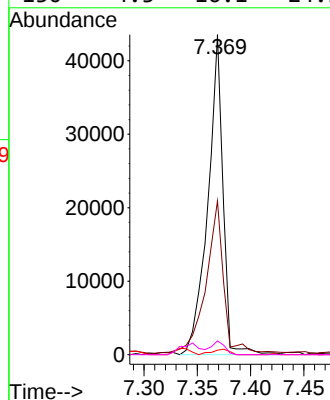
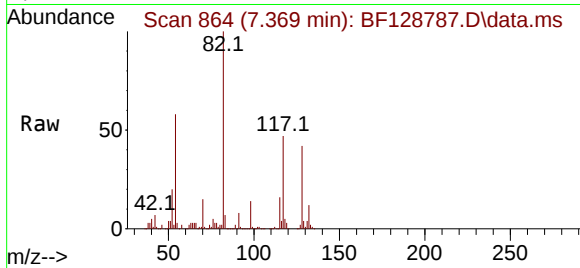




#19
n-Nitroso-di-n-propylamine
Concen: 9.401 ng
RT: 7.369 min Scan# 80
Delta R.T. 0.135 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

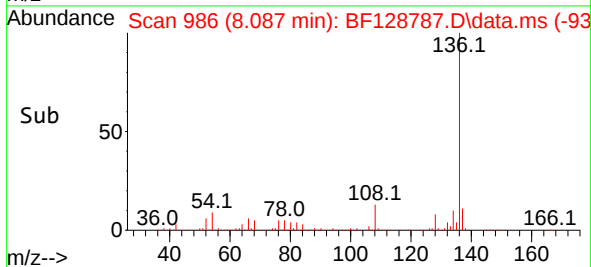
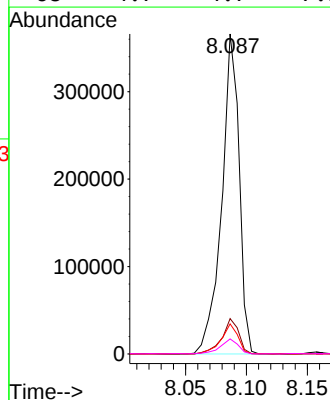
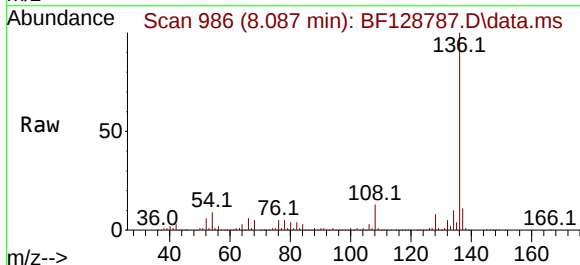
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ClientSampleId :
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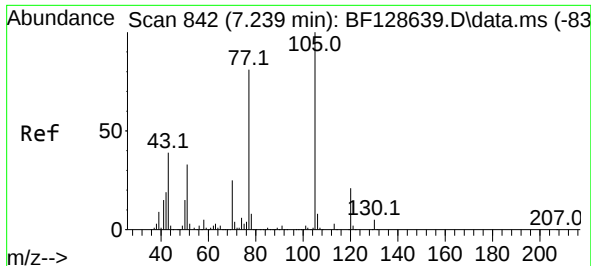
Tgt Ion: 70 Resp: 43255
Ion Ratio Lower Upper
70 100
42 48.1 52.3 78.5#
101 1.4 7.5 11.3#
130 4.3 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 986
Delta R.T. -0.012 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion:136 Resp: 364438
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.4 7.5 11.3
68 4.7 4.7 7.1#

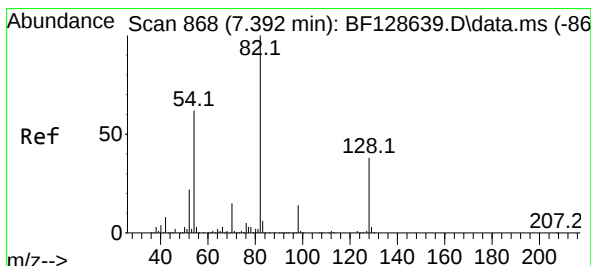
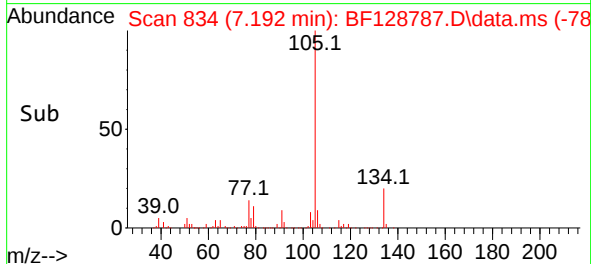
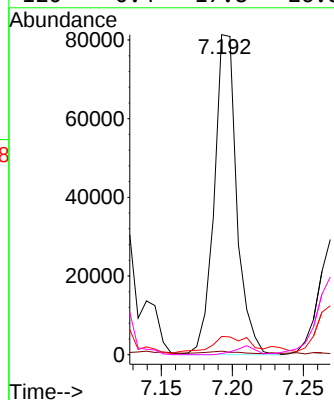
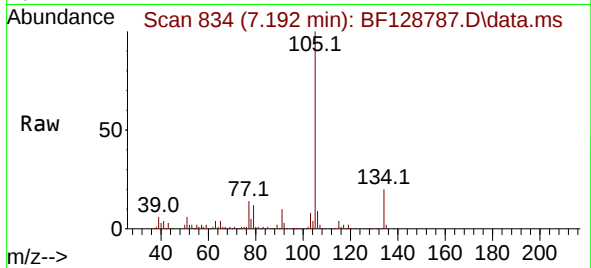




#22
Acetophenone
Concen: 9.438 ng
RT: 7.192 min Scan# 81
Delta R.T. -0.035 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

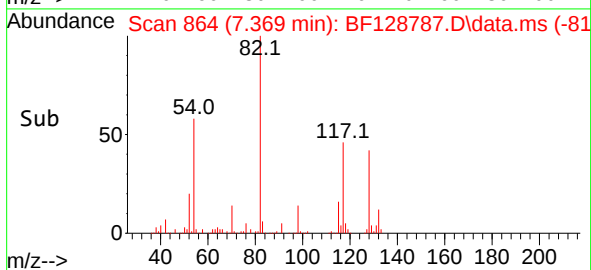
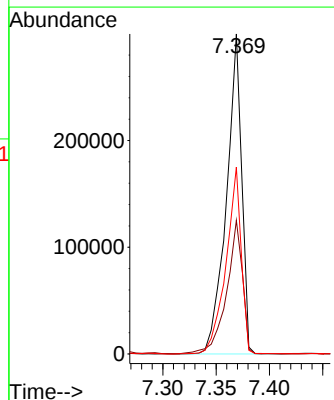
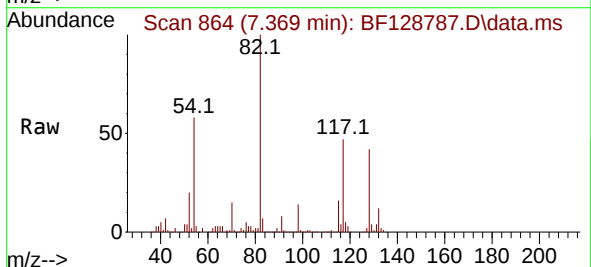
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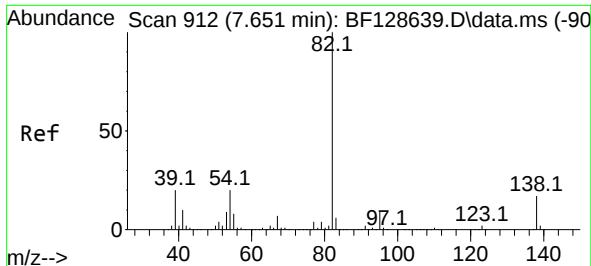
Tgt Ion:105 Resp: 89961
Ion Ratio Lower Upper
105 100
71 1.1 5.0 7.4#
51 5.7 25.0 37.4#
120 0.4 17.8 26.8#



#23
Nitrobenzene-d5
Concen: 38.245 ng
RT: 7.369 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion: 82 Resp: 299366
Ion Ratio Lower Upper
82 100
128 41.8 34.0 51.0
54 58.4 46.9 70.3

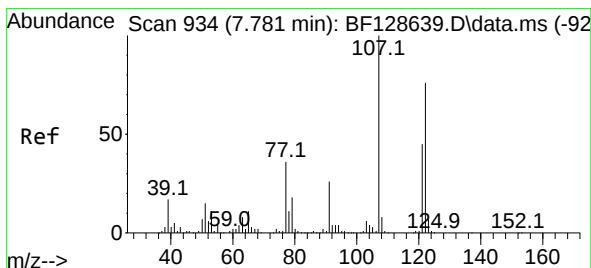
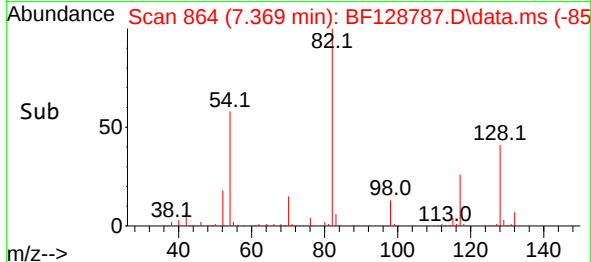
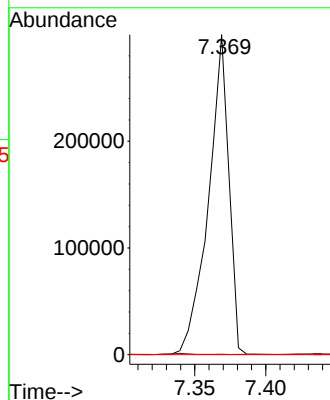
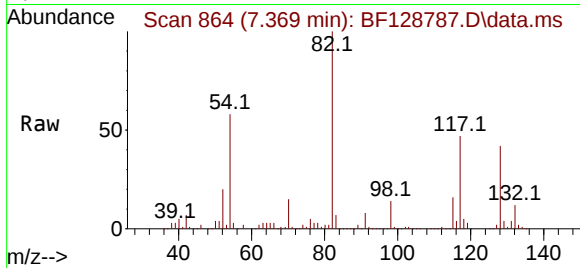




#25
Isophorone
Concen: 24.959 ng
RT: 7.369 min Scan# 80
Delta R.T. -0.271 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

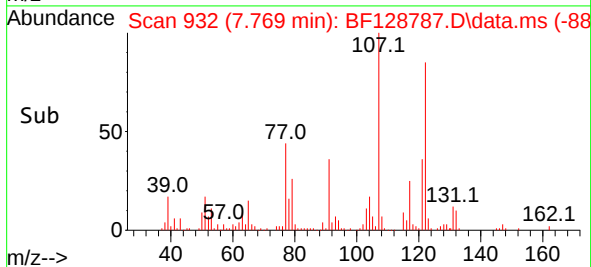
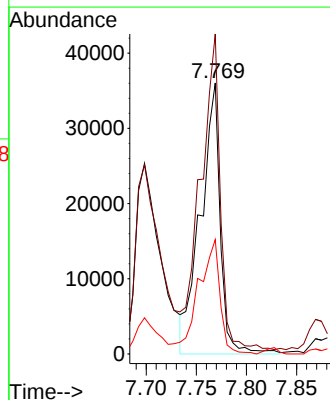
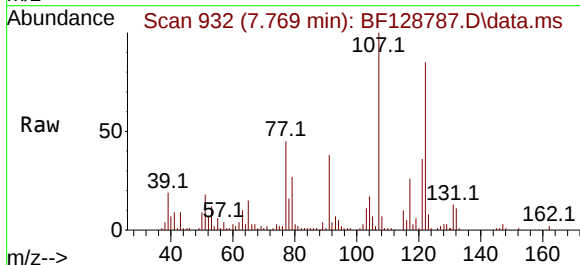
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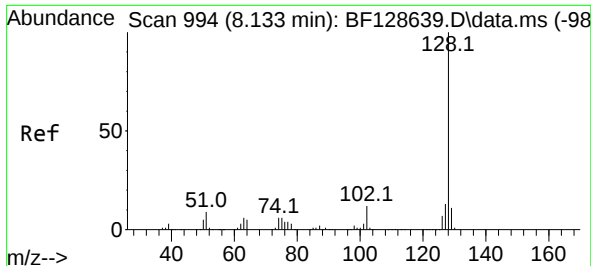
Tgt Ion: 82 Resp: 296716
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#27
2,4-Dimethylphenol
Concen: 10.260 ng
RT: 7.769 min Scan# 932
Delta R.T. 0.006 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion:122 Resp: 49486
Ion Ratio Lower Upper
122 100
107 118.1 93.0 139.6
121 42.2 46.6 70.0#

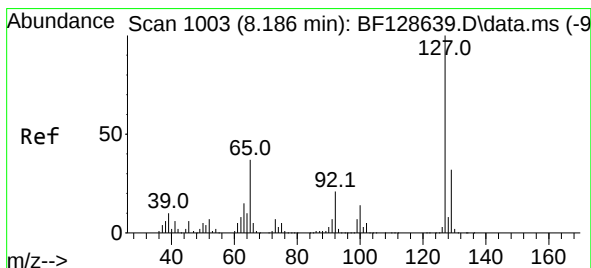
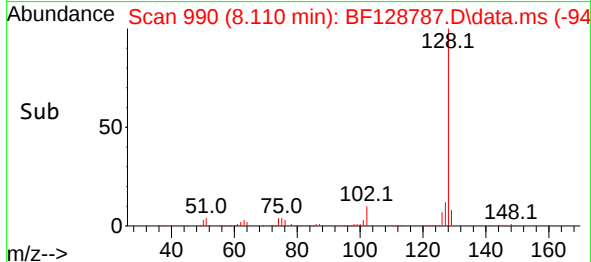
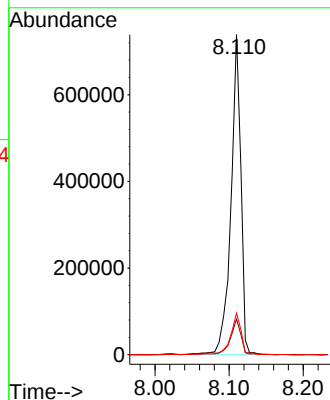
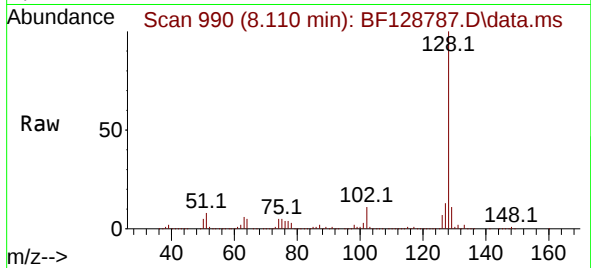




#31
Naphthalene
Concen: 36.505 ng
RT: 8.110 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

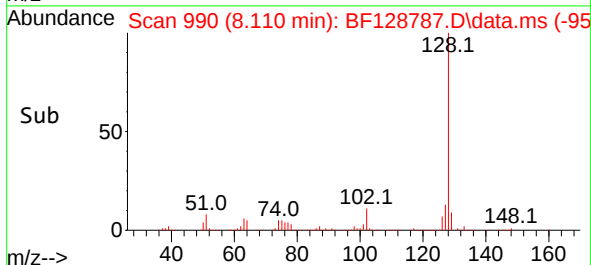
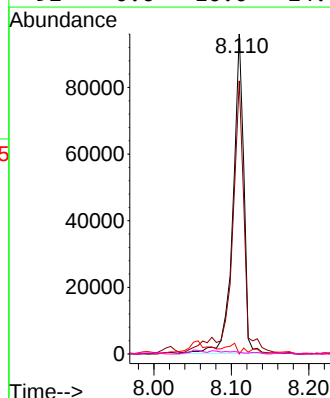
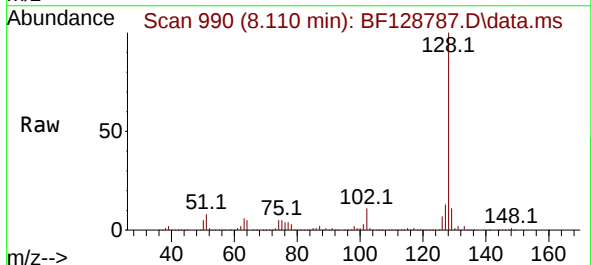
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ClientSampleId :
MW-2DDL

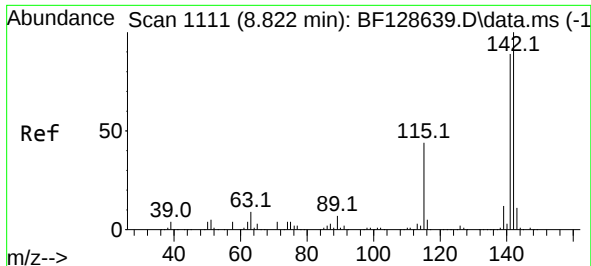
Tgt Ion:128 Resp: 682767
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 13.0 10.5 15.7



#33
4-Chloroaniline
Concen: 13.114 ng
RT: 8.110 min Scan# 990
Delta R.T. -0.065 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion:127 Resp: 92476
Ion Ratio Lower Upper
127 100
129 85.3 26.4 39.6#
65 0.0 26.4 39.6#
92 0.6 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 8.585 ng

RT: 8.798 min Scan# 1107

Delta R.T. -0.012 min

Lab File: BF128787.D

Acq: 13 Jun 2022 16:42

Instrument :

BNA_F

ClientSampleId :

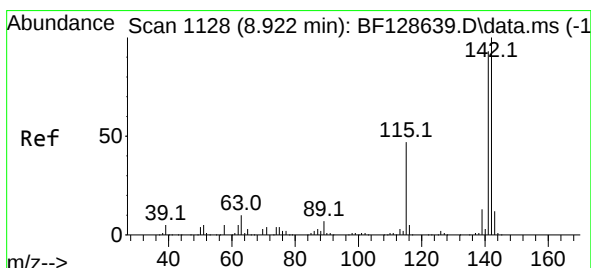
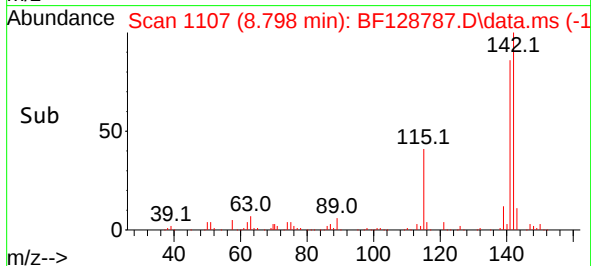
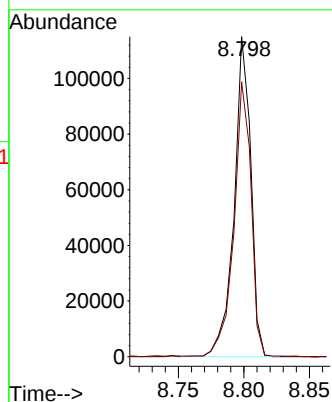
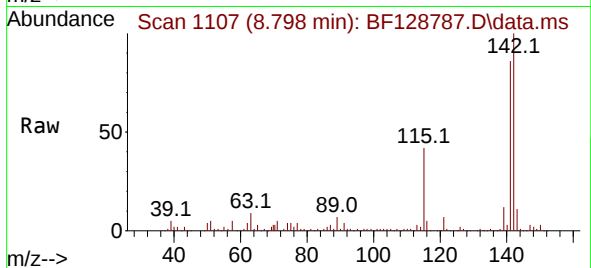
MW-2DDL

Tgt Ion:142 Resp: 102125

Ion Ratio Lower Upper

142 100

141 85.9 71.0 106.4



#38

1-Methylnaphthalene

Concen: 10.041 ng

RT: 8.898 min Scan# 1124

Delta R.T. -0.012 min

Lab File: BF128787.D

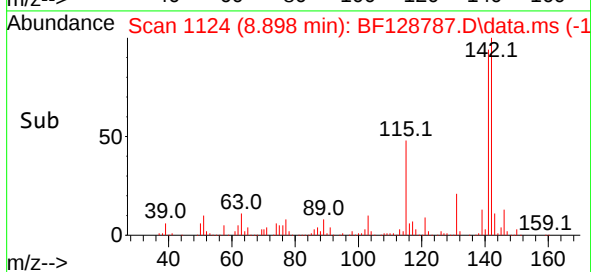
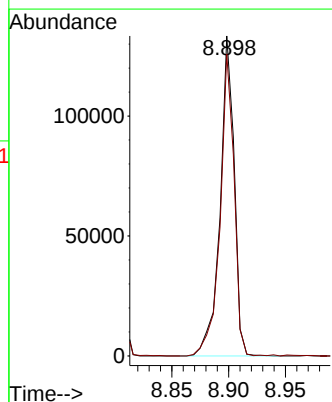
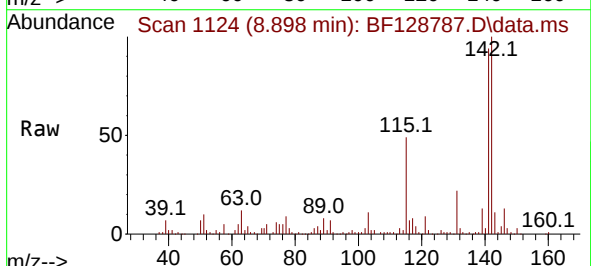
Acq: 13 Jun 2022 16:42

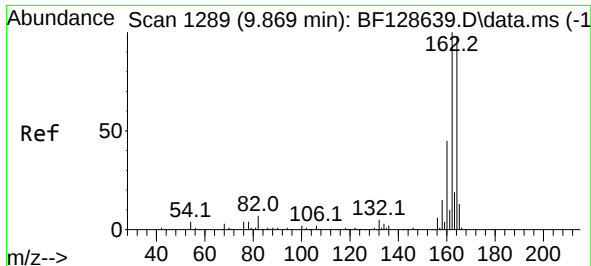
Tgt Ion:142 Resp: 115413

Ion Ratio Lower Upper

142 100

141 94.4 74.2 111.4

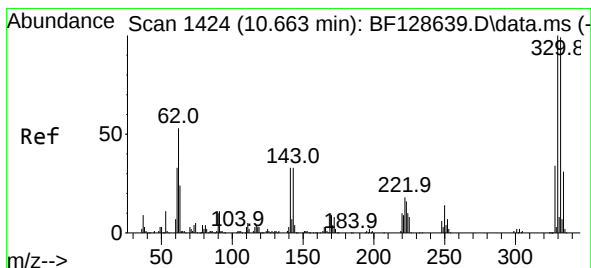
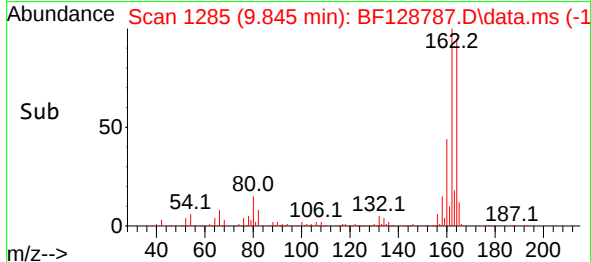
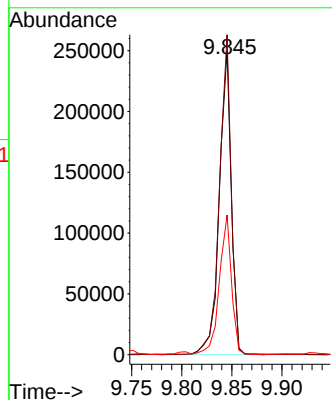
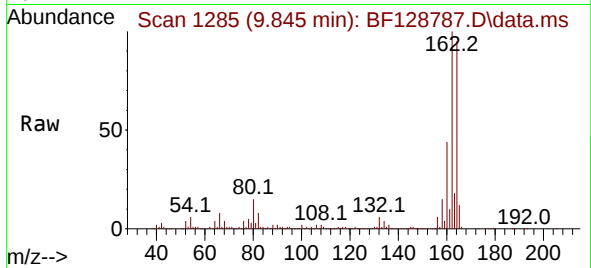




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

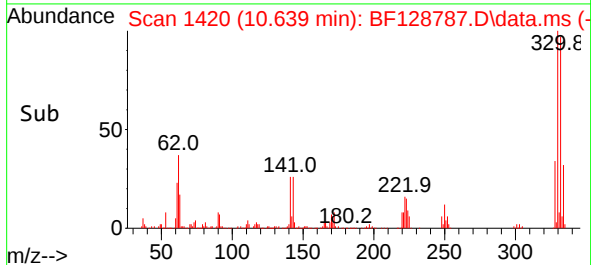
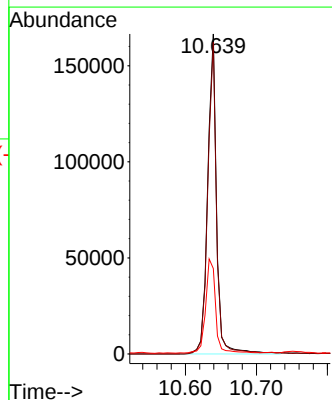
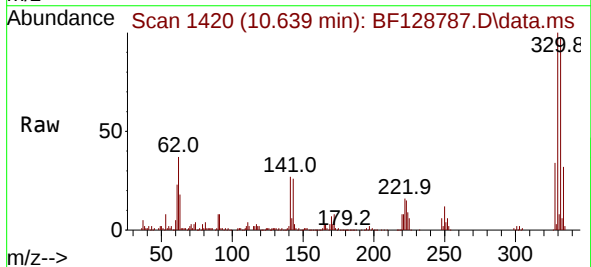
Instrument :
BNA_F
ClientSampleId :
MW-2DDL

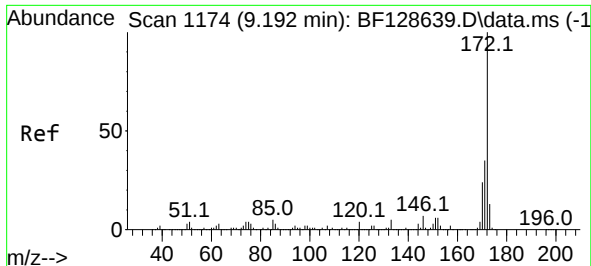
Tgt Ion:164 Resp: 207346
Ion Ratio Lower Upper
164 100
162 105.2 79.5 119.3
160 45.9 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 59.287 ng
RT: 10.639 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF128787.D
Acq: 13 Jun 2022 16:42

Tgt Ion:330 Resp: 145246
Ion Ratio Lower Upper
330 100
332 95.7 76.8 115.2
141 33.1 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 41.236 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BF128787.D

Acq: 13 Jun 2022 16:42

Instrument :

BNA_F

ClientSampleId :

MW-2DDL

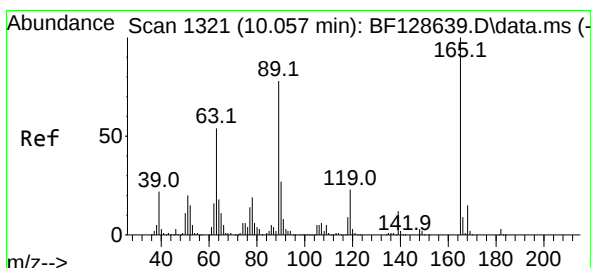
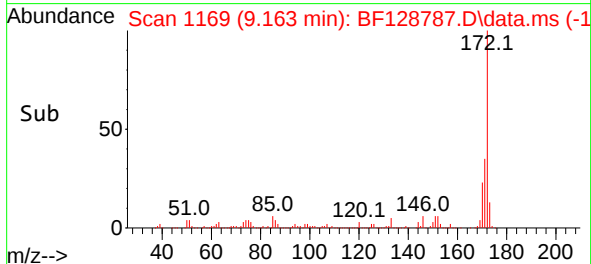
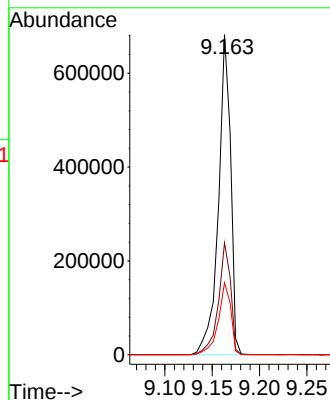
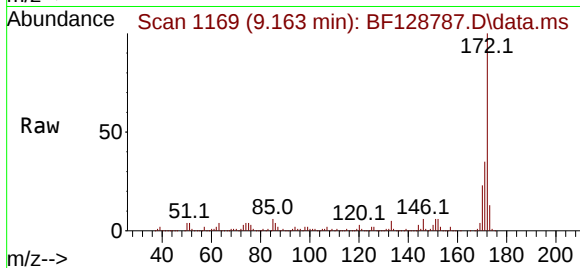
Tgt Ion:172 Resp: 610381

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 22.5 19.8 29.8



#57

2,4-Dinitrotoluene

Concen: 7.439 ng

RT: 9.845 min Scan# 1285

Delta R.T. -0.200 min

Lab File: BF128787.D

Acq: 13 Jun 2022 16:42

Tgt Ion:165 Resp: 27810

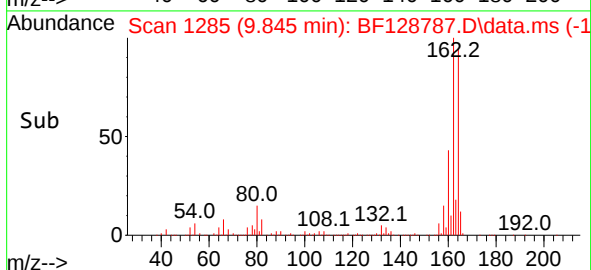
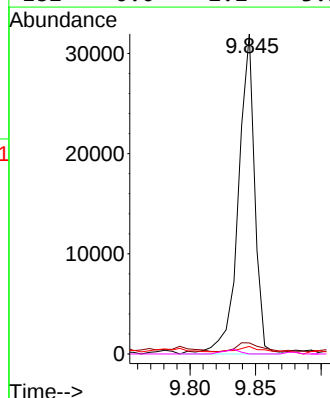
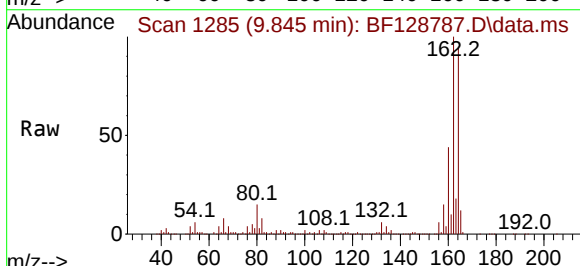
Ion Ratio Lower Upper

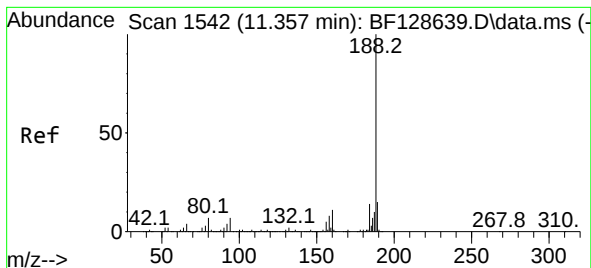
165 100

63 3.5 39.8 59.6#

89 2.3 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128787.D

Acq: 13 Jun 2022 16:42

Instrument :

BNA_F

ClientSampleId :

MW-2DDL

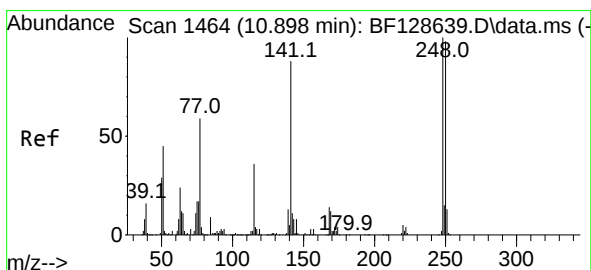
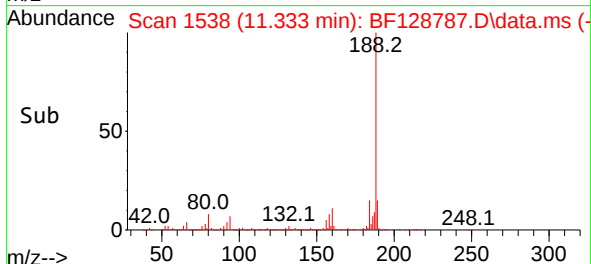
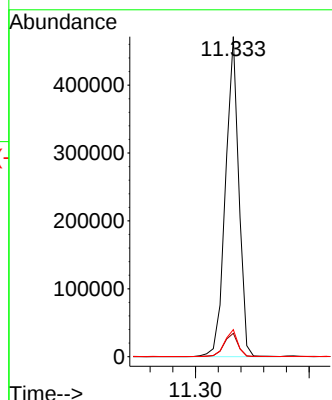
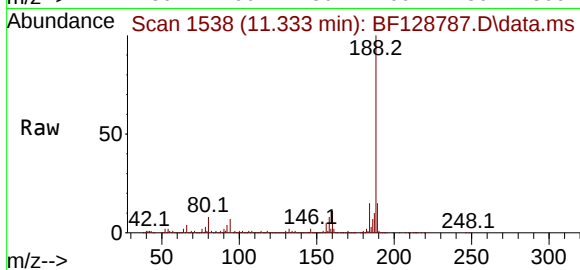
Tgt Ion:188 Resp: 384211

Ion Ratio Lower Upper

188 100

94 7.3 7.0 10.6

80 8.4 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 2.174 ng

RT: 10.639 min Scan# 1420

Delta R.T. -0.247 min

Lab File: BF128787.D

Acq: 13 Jun 2022 16:42

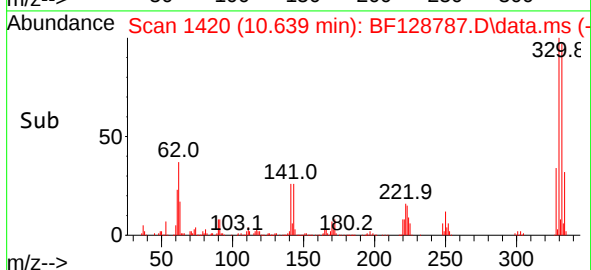
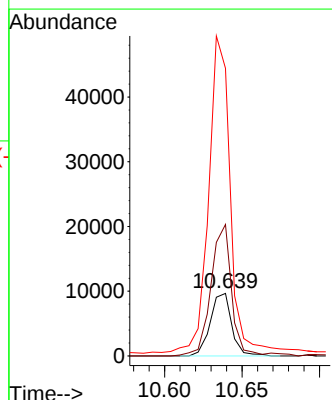
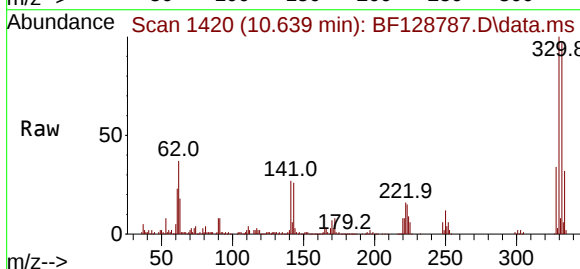
Tgt Ion:248 Resp: 9316

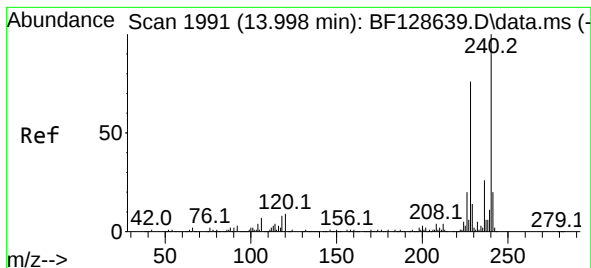
Ion Ratio Lower Upper

248 100

250 210.2 80.6 120.8#

141 459.7 58.9 88.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 1807

Delta R.T. -0.012 min

Lab File: BF128787.D

Acq: 13 Jun 2022 16:42

Instrument :

BNA_F

ClientSampleId :

MW-2DDL

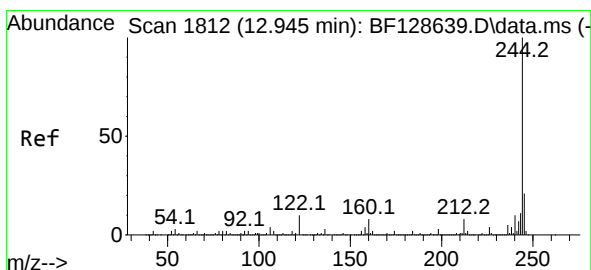
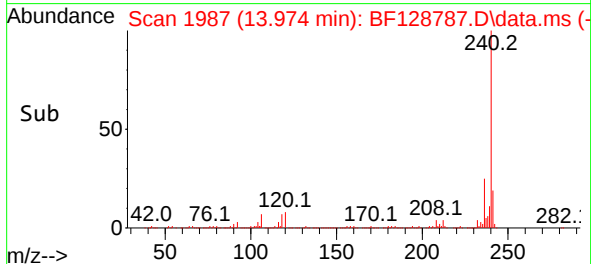
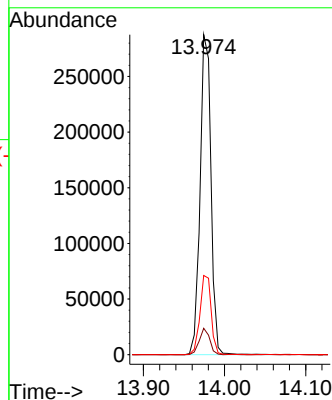
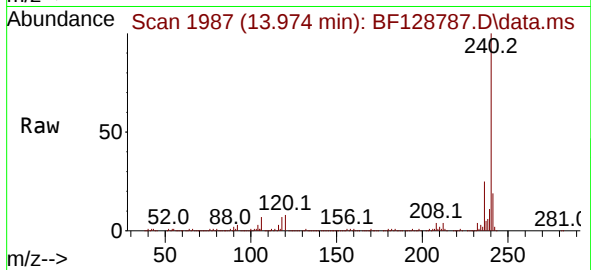
Tgt Ion:240 Resp: 268529

Ion Ratio Lower Upper

240 100

120 8.3 8.9 13.3#

236 24.8 20.8 31.2



#79

Terphenyl-d14

Concen: 43.615 ng

RT: 12.922 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF128787.D

Acq: 13 Jun 2022 16:42

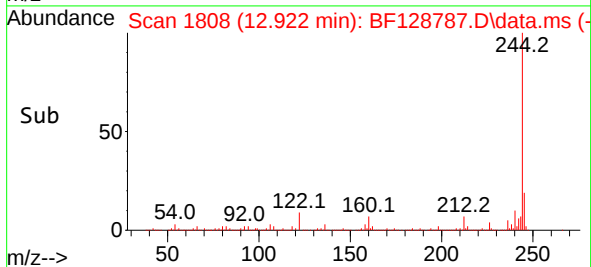
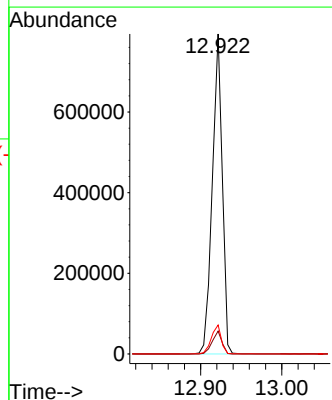
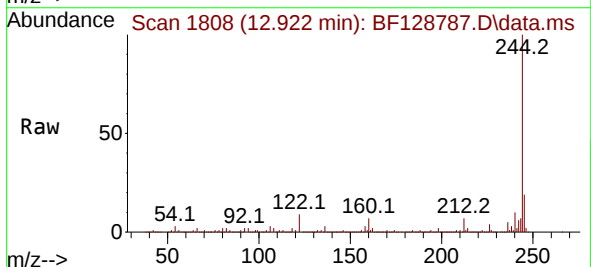
Tgt Ion:244 Resp: 674019

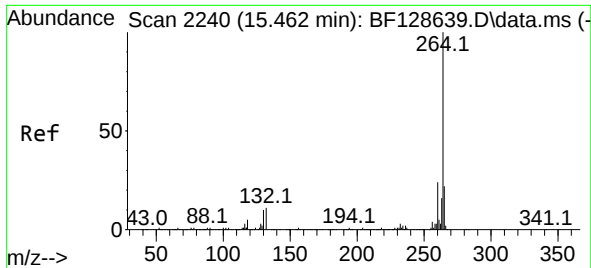
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 9.0 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128787.D
 Acq: 13 Jun 2022 16:42

Instrument :
 BNA_F
 ClientSampleId :
 MW-2DDL

Tgt Ion:264 Resp: 184562
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.4 27.6
 265 21.8 17.2 25.8

