

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040422\
 Data File : BF127637.D
 Acq On : 04 Apr 2022 17:39
 Operator : CG\JU
 Sample : N2249-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101R

Quant Time: Apr 04 21:51:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 07:13:31 2022
 Response via : Initial Calibration

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

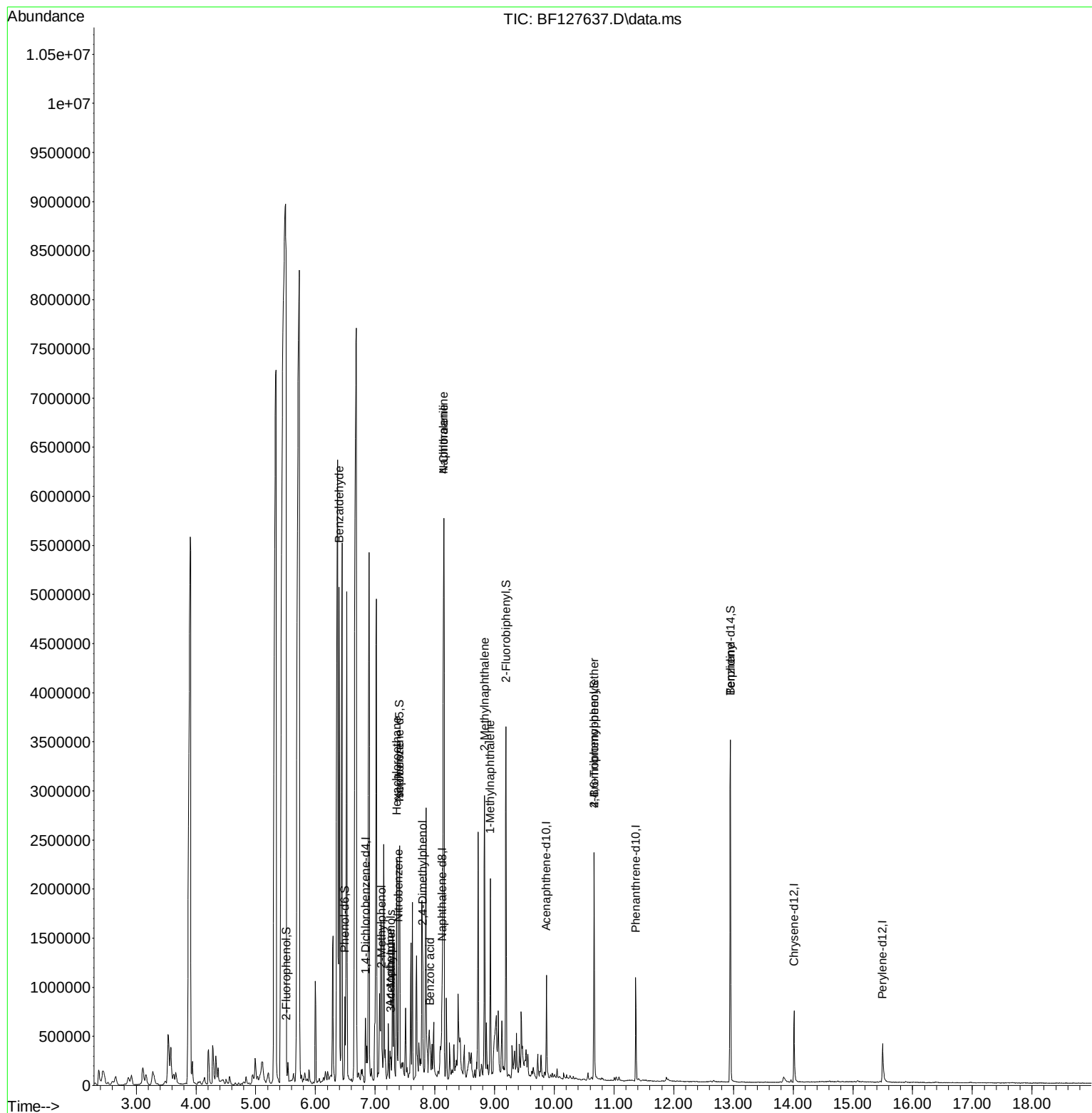
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	92480	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	323147	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	200324	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	368280	20.000	ng	0.00
76) Chrysene-d12	14.015	240	280766	20.000	ng	0.00
86) Perylene-d12	15.498	264	210382	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	24854	4.290	ng	0.06
7) Phenol-d6	6.492	99	299175	37.777	ng	0.01
23) Nitrobenzene-d5	7.410	82	642401	84.977	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	275291	129.005	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1048322	76.416	ng	0.00
79) Terphenyl-d14	12.951	244	1294452	75.474	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	211286	54.511	ng	# 1
17) 2-Methylphenol	7.110	107	22246	4.452	ng	# 46
18) Hexachloroethane	7.363	117	142167	57.974	ng	# 1
20) 3+4-Methylphenols	7.263	107	50793	8.242	ng	# 59
22) Acetophenone	7.251	105	68242	8.261	ng	# 84
24) Nitrobenzene	7.392	77	24034	3.334	ng	# 6
25) Isophorone	7.410	82	631870	52.479	ng	# 70
27) 2,4-Dimethylphenol	7.798	122	235086	51.686	ng	# 94
31) Naphthalene	8.151	128	3487465	203.275	ng	# 97
32) Benzoic acid	7.922	122	67541	28.628	ng	# 34
33) 4-Chloroaniline	8.151	127	477349	71.801	ng	# 29
37) 2-Methylnaphthalene	8.833	142	714620	64.779	ng	# 100
38) 1-Methylnaphthalene	8.928	142	410770	37.656	ng	# 98
55) Dibenzofuran	10.080	168	432	Below Cal	#	79
58) Fluorene	10.427	166	2284	Below Cal	#	90
67) 4-Bromophenyl-phenylether	10.669	248	18189	4.230	ng	# 1
77) Benzidine	12.951	184	16258	2.429	ng	# 91

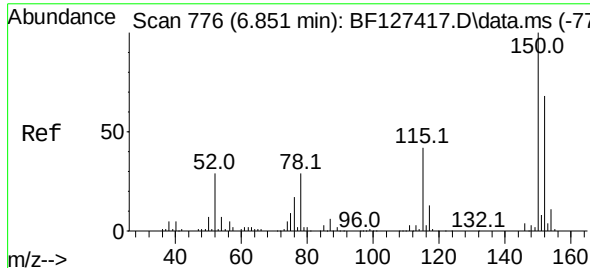
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.839 min Scan#

Delta R.T. 0.006 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

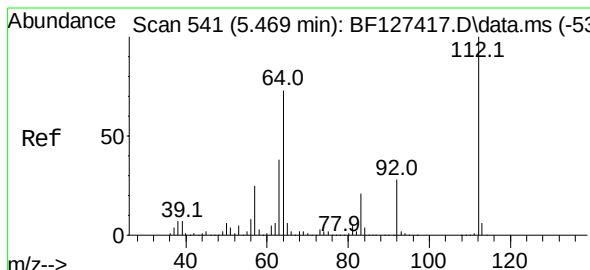
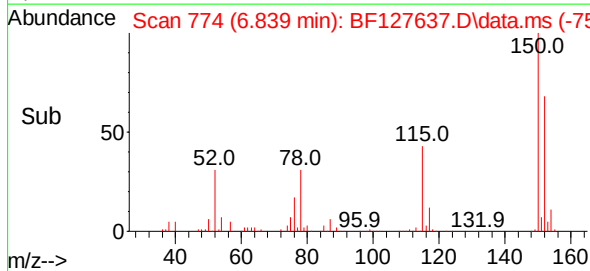
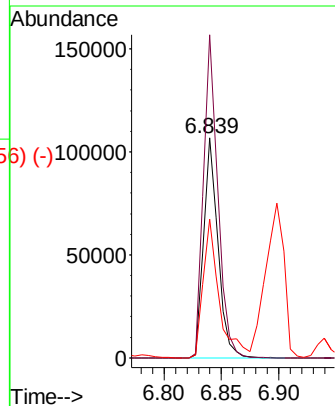
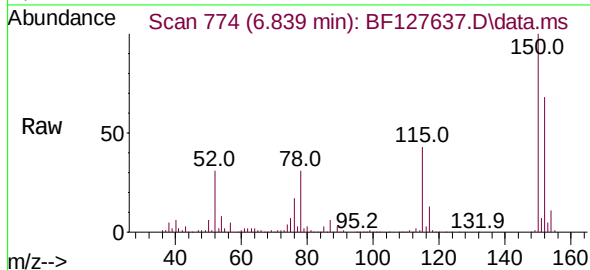
Tgt Ion:152 Resp: 92480

Ion Ratio Lower Upper

152 100

150 146.6 117.2 175.8

115 62.9 49.8 74.6



2-Fluorophenol

Concen: 4.290 ng

RT: 5.516 min Scan# 549

Delta R.T. 0.059 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

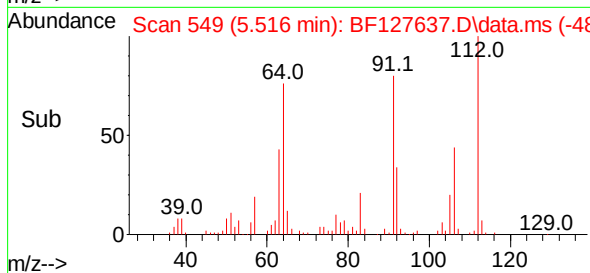
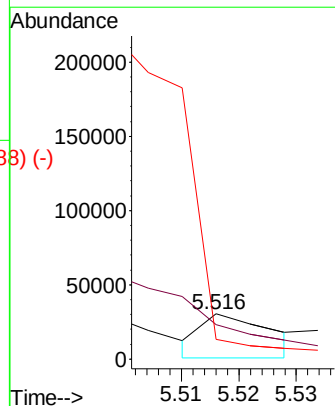
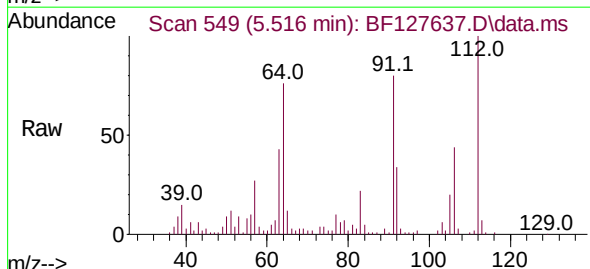
Tgt Ion:112 Resp: 24854

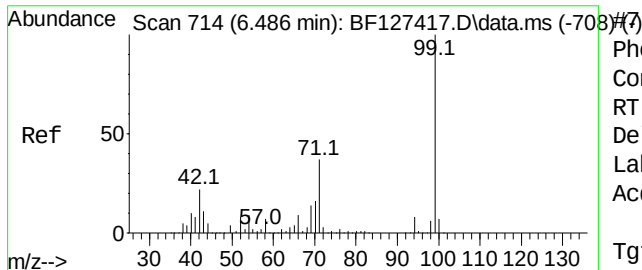
Ion Ratio Lower Upper

112 100

64 75.7 58.4 87.6

63 42.9 30.1 45.1





Phenol-d6

Concen: 37.777 ng

RT: 6.492 min Scan#

Delta R.T. 0.012 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

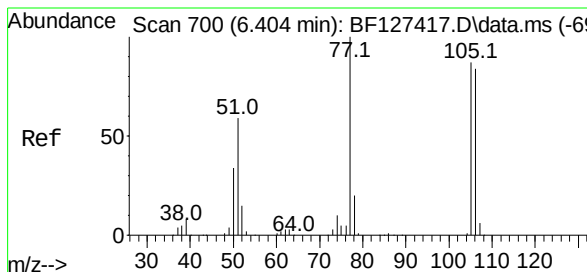
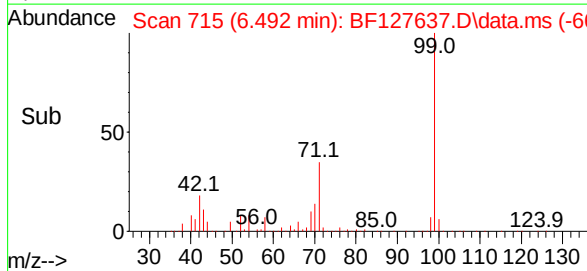
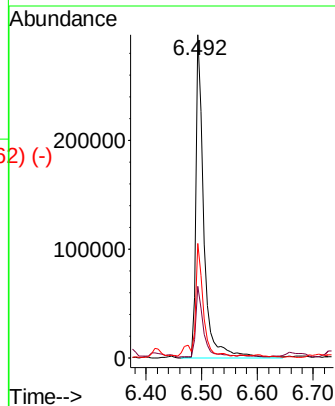
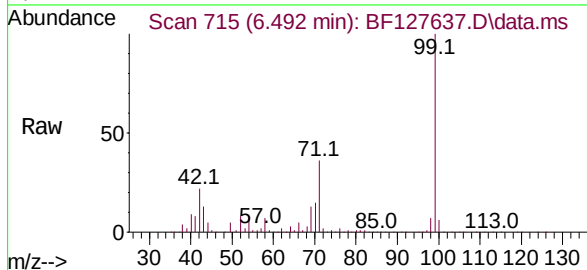
Tgt Ion: 99 Resp: 299175

Ion Ratio Lower Upper

99 100

42 22.1 17.8 26.6

71 35.5 29.6 44.4



Benzaldehyde

Concen: 54.511 ng

RT: 6.398 min Scan# 699

Delta R.T. 0.006 min

Lab File: BF127637.D

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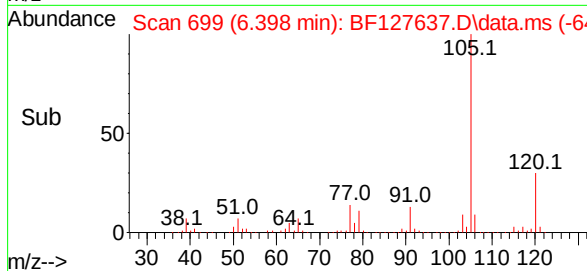
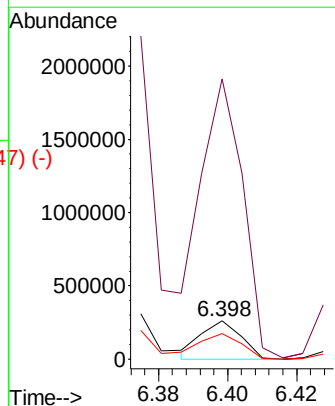
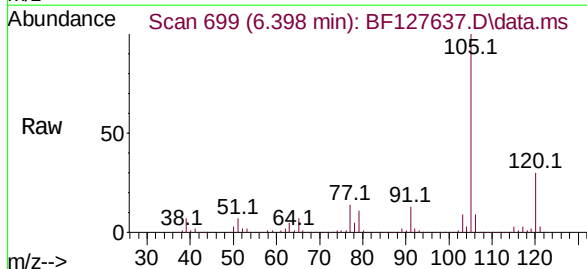
Tgt Ion: 77 Resp: 211286

Ion Ratio Lower Upper

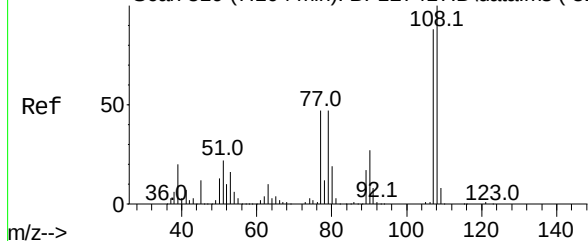
77 100

105 729.8 66.8 106.8#

106 66.4 64.3 104.3



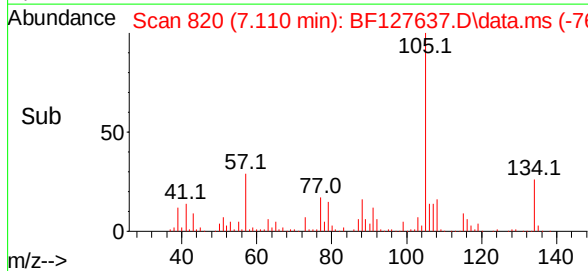
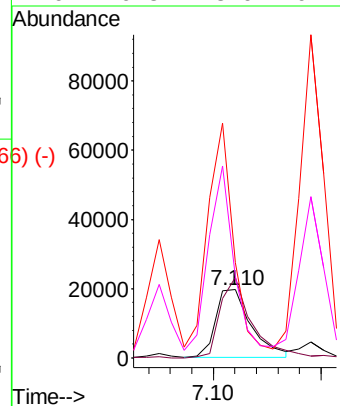
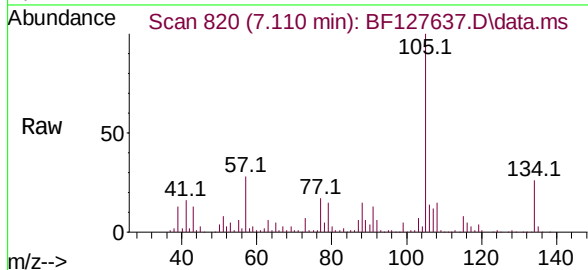
Abundance Scan 819 (7.104 min): BF127417.D\data.ms (-814) #17



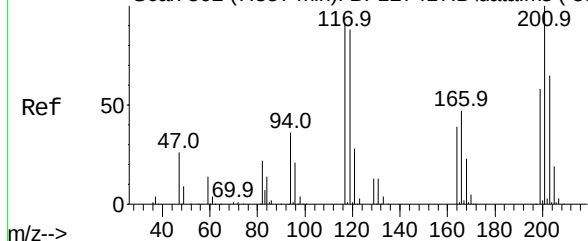
2-Methylphenol
Concen: 4.452 ng
RT: 7.110 min Scan# 819
Delta R.T. 0.018 min
Lab File: BF127637.D
Acq: 04 Apr 2022 17:39

Instrument :
BNA_F
ClientSampleId :
MW-101R

Tgt Ion	Ratio	Lower	Upper
107	100		
108	118.5	90.7	136.1
77	139.6	42.9	64.3#
79	119.3	43.0	64.6#

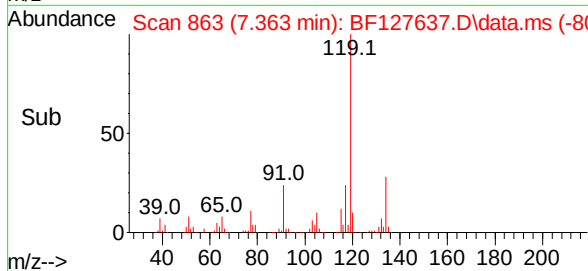
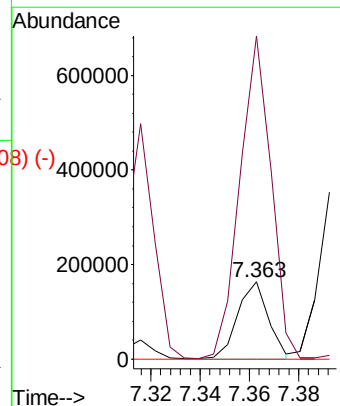
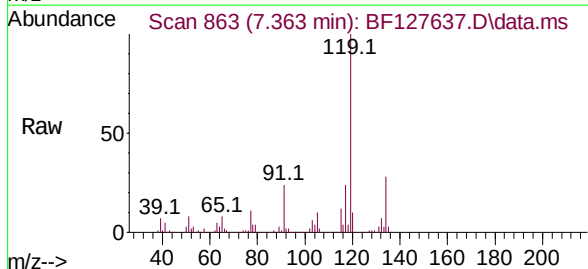


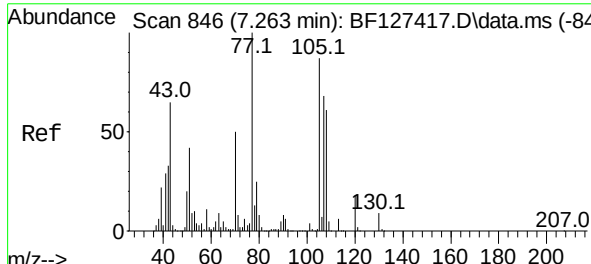
Abundance Scan 862 (7.357 min): BF127417.D\data.ms (-857) #18



Hexachloroethane
Concen: 57.974 ng
RT: 7.363 min Scan# 863
Delta R.T. 0.024 min
Lab File: BF127637.D
Acq: 04 Apr 2022 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	418.7	77.6	116.4#
201	0.0	88.2	132.2#





3+4-Methylphenols

Concen: 8.242 ng

RT: 7.263 min Scan# 846

Delta R.T. 0.012 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

Tgt Ion:107 Resp: 50793

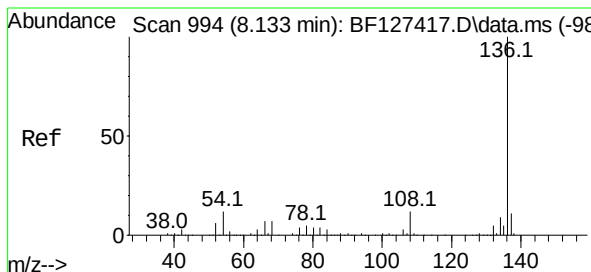
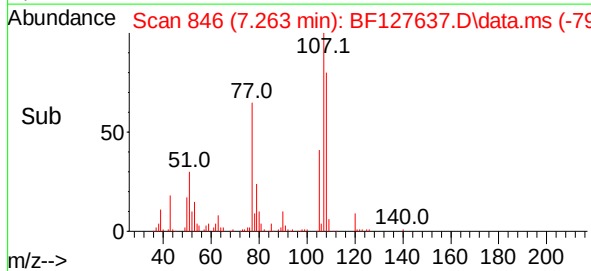
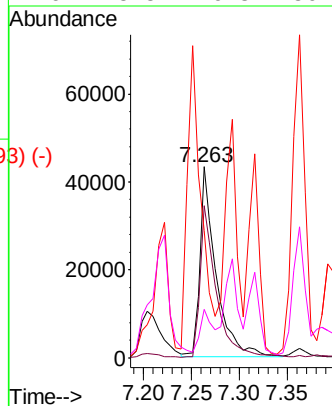
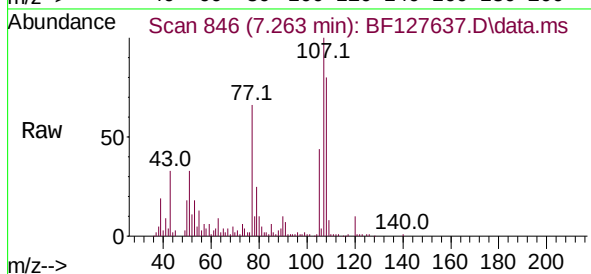
Ion Ratio Lower Upper

107 100

108 79.7 70.7 110.7

77 66.5 127.9 167.9#

79 25.5 16.8 56.8



Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Tgt Ion:136 Resp: 323147

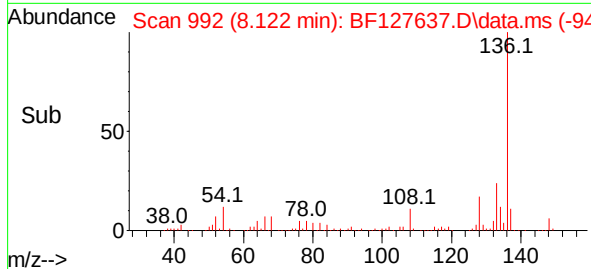
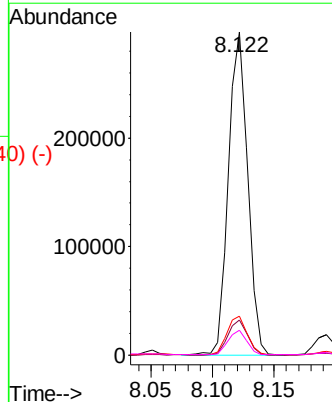
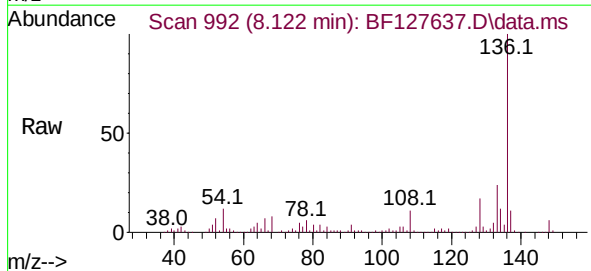
Ion Ratio Lower Upper

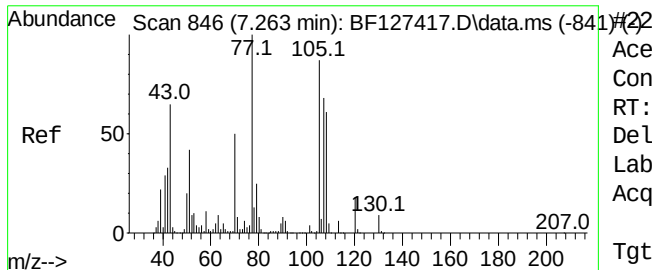
136 100

137 11.0 8.6 13.0

54 12.1 9.2 13.8

68 7.6 5.4 8.0





Acetophenone

Concen: 8.261 ng

RT: 7.251 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

Tgt Ion:105 Resp: 68242

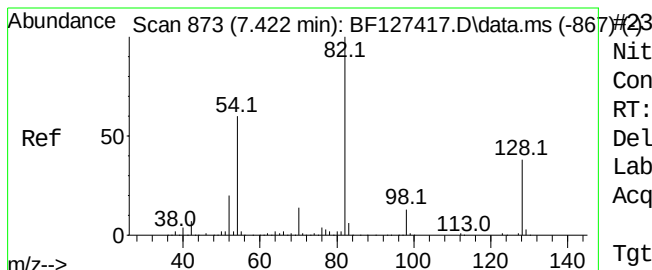
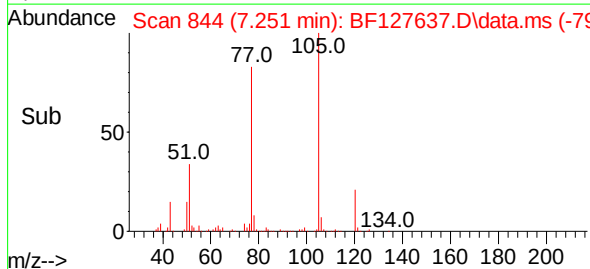
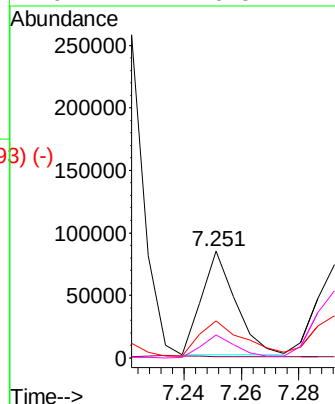
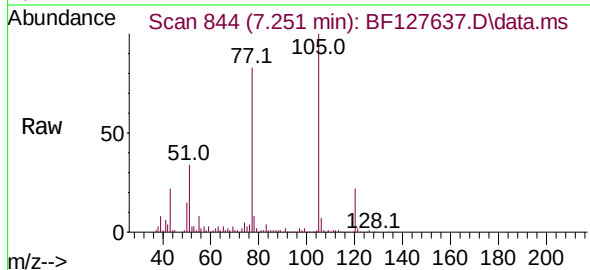
Ion Ratio Lower Upper

105 100

71 1.3 7.3 10.9#

51 34.4 38.8 58.2#

120 21.7 16.5 24.7



Nitrobenzene-d5

Concen: 84.977 ng

RT: 7.410 min Scan# 871

Delta R.T. 0.000 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

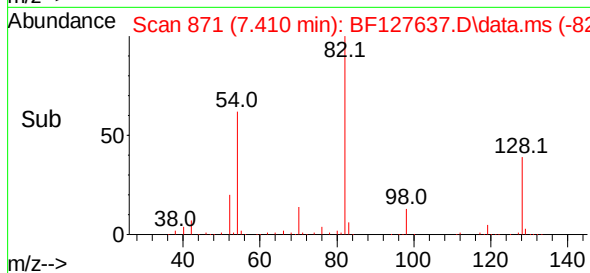
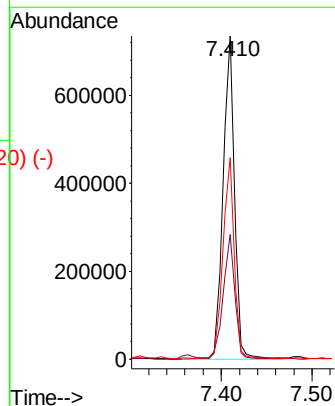
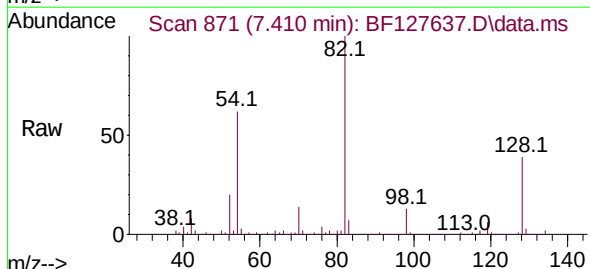
Tgt Ion: 82 Resp: 642401

Ion Ratio Lower Upper

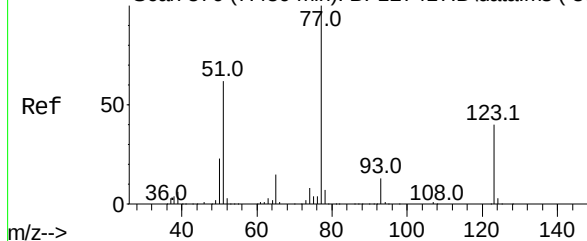
82 100

128 38.6 30.6 45.8

54 62.3 48.2 72.2



Abundance Scan 876 (7.439 min): BF127417.D\data.ms (-863) #24



Nitrobenzene

Concen: 3.334 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.035 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

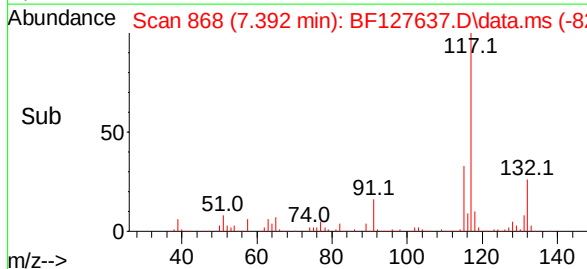
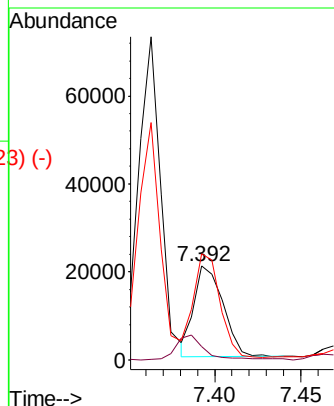
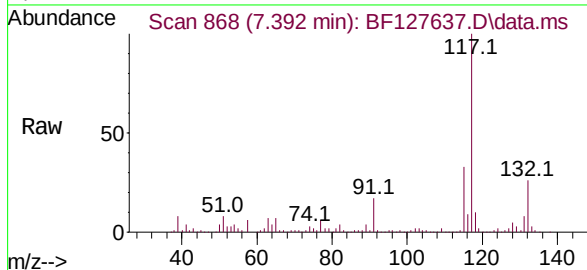
Tgt Ion: 77 Resp: 24034

Ion Ratio Lower Upper

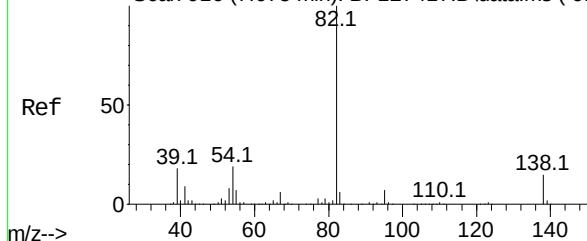
77 100

123 14.4 32.0 48.0#

65 112.7 12.2 18.2#



Abundance Scan 916 (7.675 min): BF127417.D\data.ms (-910) #25



Isophorone

Concen: 52.479 ng

RT: 7.410 min Scan# 871

Delta R.T. -0.253 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

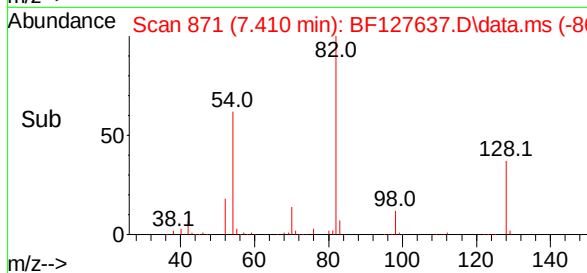
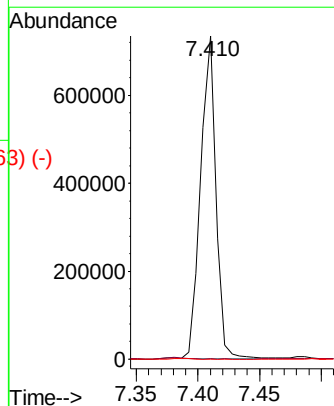
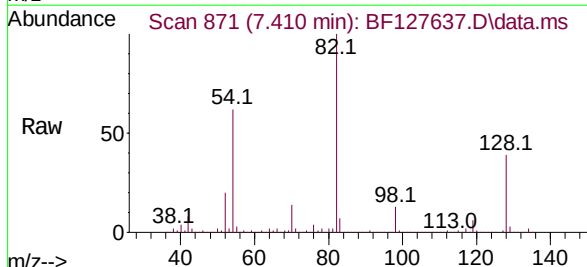
Tgt Ion: 82 Resp: 631870

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

138 0.0 11.6 17.4#



Abundance Scan 935 (7.786 min): BF127417.D\data.ms (-932) #27

2,4-Dimethylphenol

Concen: 51.686 ng

RT: 7.798 min Scan# 935

Delta R.T. 0.024 min

Lab File: BF127637.D

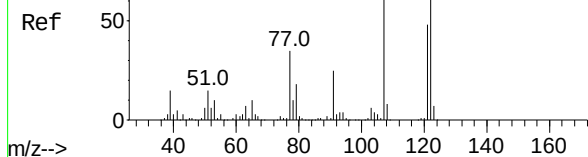
Acq: 04 Apr 2022 17:39

Instrument :

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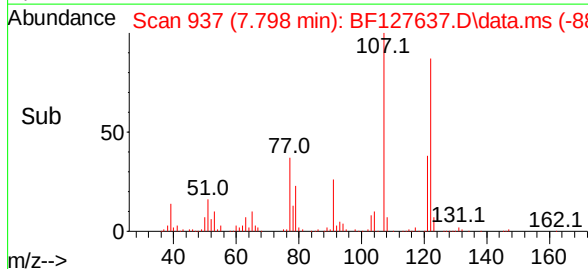
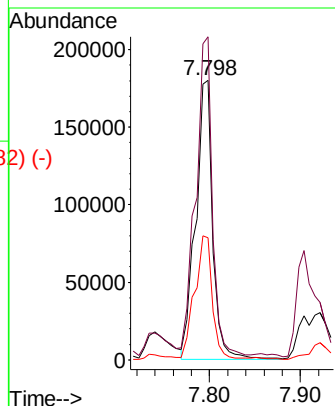
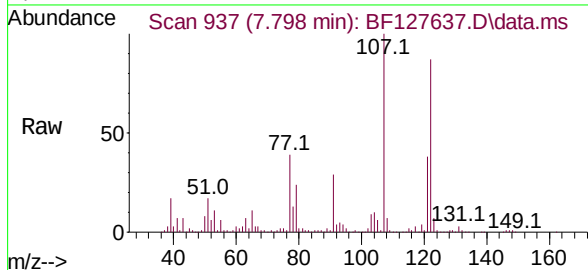
Tgt Ion:122 Resp: 235086

Ion Ratio Lower Upper

122 100

107 115.6 93.0 139.4

121 43.6 44.9 67.3#



Abundance Scan 998 (8.157 min): BF127417.D\data.ms (-991) #31

Naphthalene

Concen: 203.275 ng

RT: 8.151 min Scan# 997

Delta R.T. 0.012 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

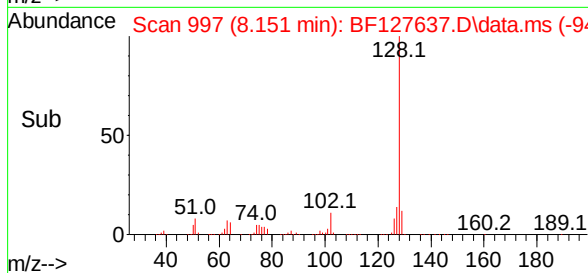
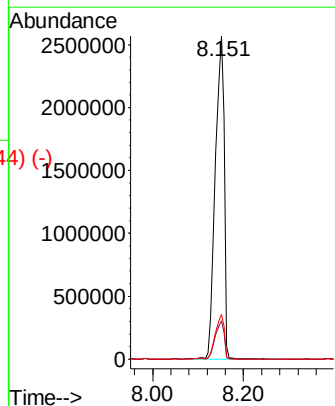
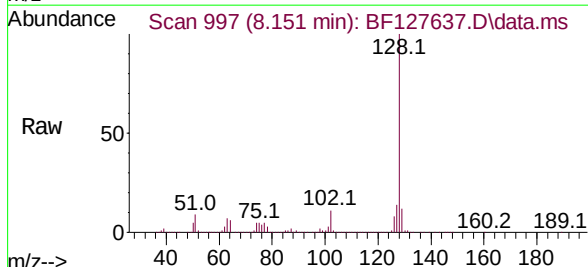
Tgt Ion:128 Resp: 3487465

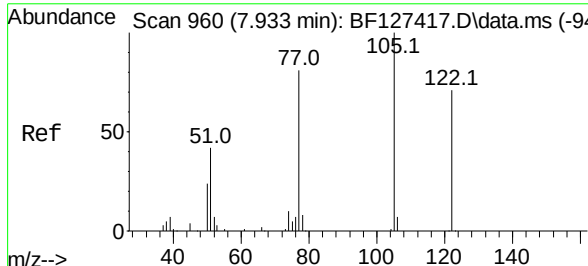
Ion Ratio Lower Upper

128 100

129 11.9 8.4 12.6

127 13.9 10.2 15.2





Benzoic acid

Concen: 28.628 ng

RT: 7.922 min Scan# 958

Delta R.T. -0.006 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

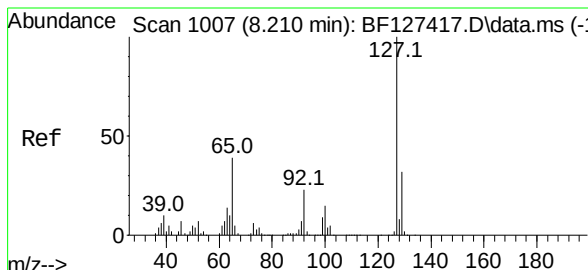
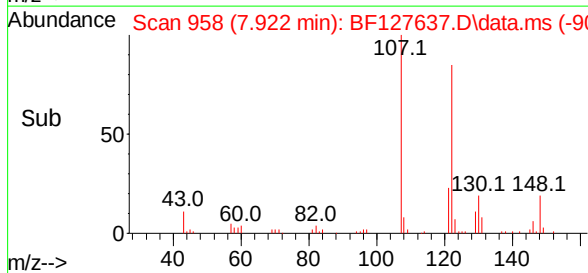
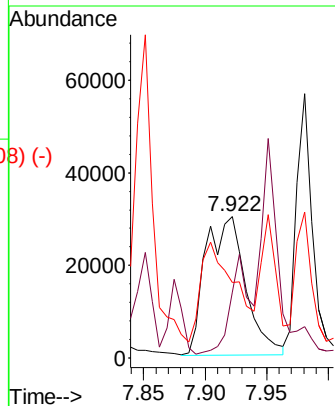
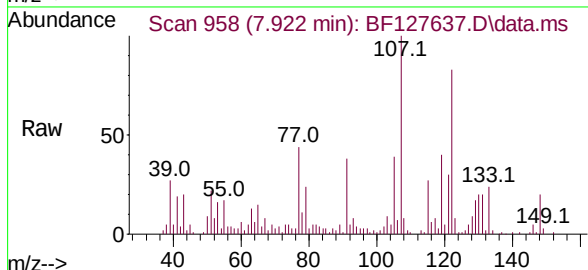
Tgt Ion:122 Resp: 67541

Ion Ratio Lower Upper

122 100

105 46.8 117.1 157.1#

77 53.5 93.0 133.0#



4-Chloroaniline

Concen: 71.801 ng

RT: 8.151 min Scan# 997

Delta R.T. -0.047 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Tgt Ion:127 Resp: 477349

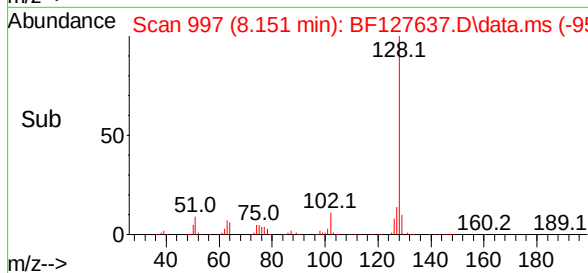
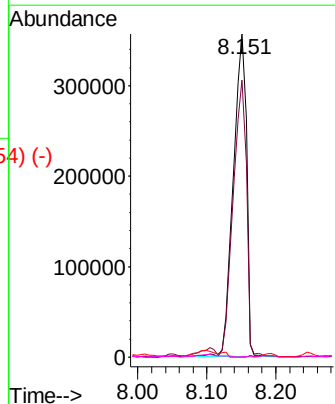
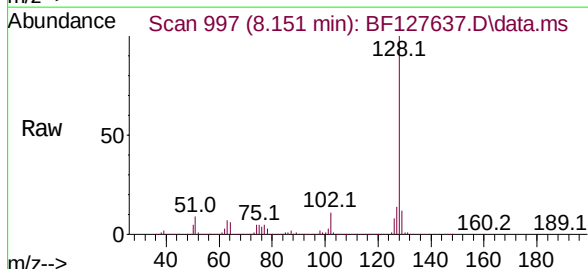
Ion Ratio Lower Upper

127 100

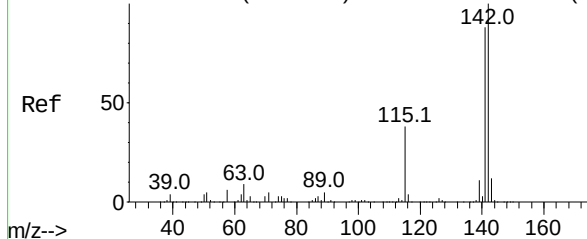
129 85.8 25.9 38.9#

65 0.0 31.4 47.0#

92 0.2 18.3 27.5#



Abundance Scan 1115 (8.845 min): BF127417.D\data.ms (-1115)



2-Methylnaphthalene

Concen: 64.779 ng

RT: 8.833 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

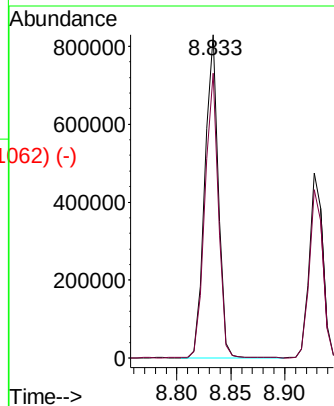
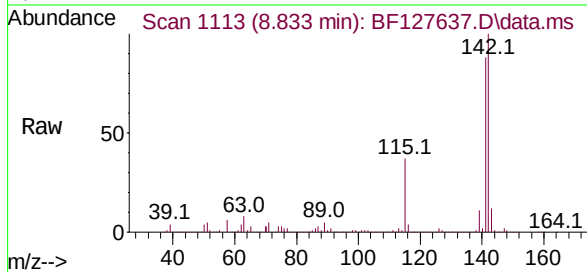
MW-101R

Tgt Ion:142 Resp: 714620

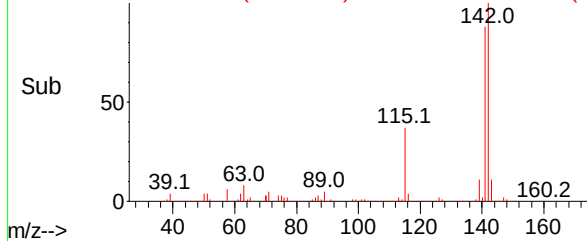
Ion Ratio Lower Upper

142 100

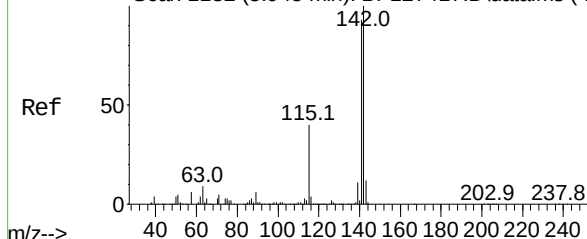
141 88.1 70.6 106.0



Abundance Scan 1113 (8.833 min): BF127637.D\data.ms (-1062) (-)



Abundance Scan 1132 (8.945 min): BF127417.D\data.ms (-1132)



1-Methylnaphthalene

Concen: 37.656 ng

RT: 8.928 min Scan# 1129

Delta R.T. 0.000 min

Lab File: BF127637.D

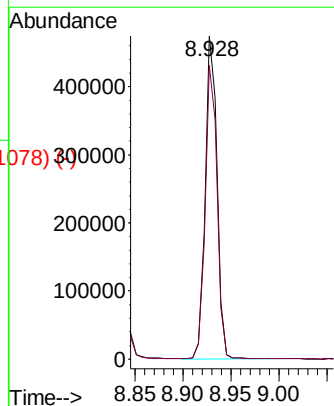
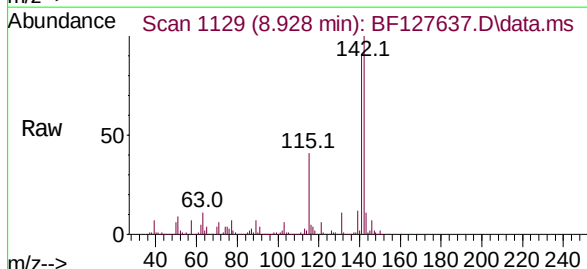
Acq: 04 Apr 2022 17:39

Tgt Ion:142 Resp: 410770

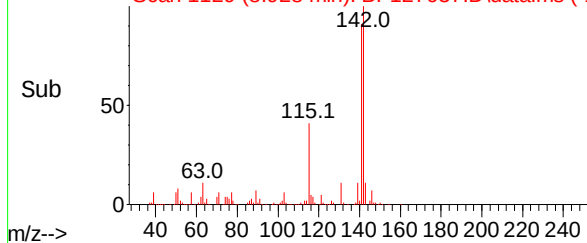
Ion Ratio Lower Upper

142 100

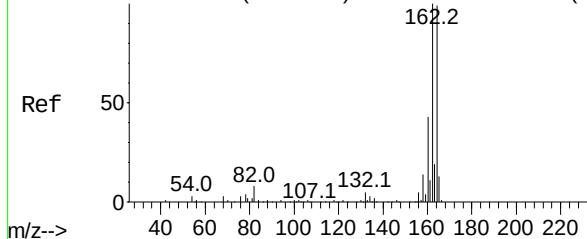
141 90.9 74.2 111.2



Abundance Scan 1129 (8.928 min): BF127637.D\data.ms (-1078) (-)



Abundance Scan 1293 (9.892 min): BF127417.D\data.ms (-12879)



Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan#

Delta R.T. -0.006 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

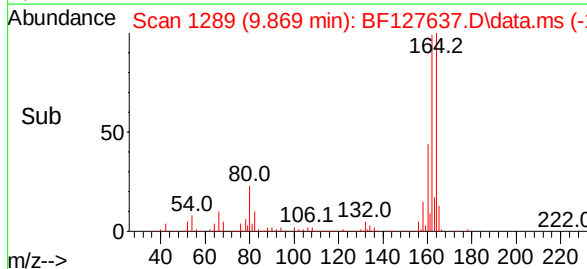
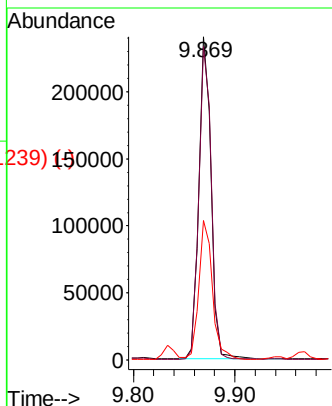
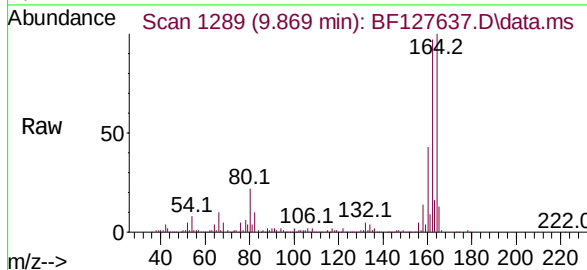
Tgt Ion:164 Resp: 200324

Ion Ratio Lower Upper

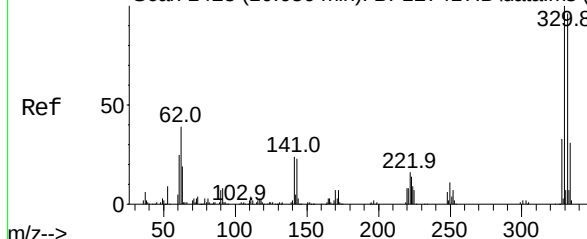
164 100

162 97.0 81.2 121.8

160 43.1 34.6 52.0



Abundance Scan 1428 (10.686 min): BF127417.D\data.ms (-1422)



2,4,6-Tribromophenol

Concen: 129.005 ng

RT: 10.669 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

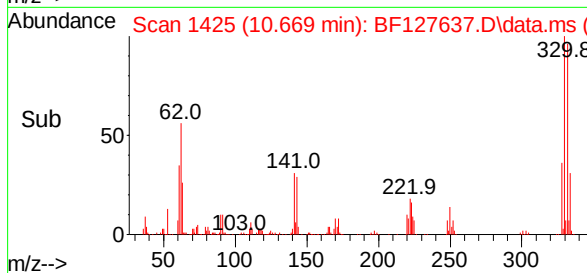
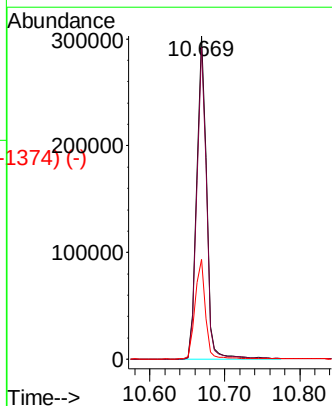
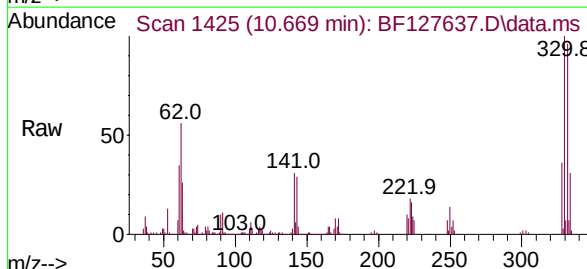
Tgt Ion:330 Resp: 275291

Ion Ratio Lower Upper

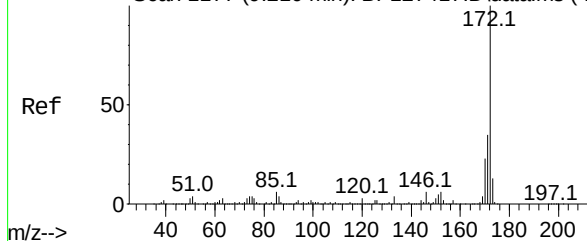
330 100

332 96.0 79.1 118.7

141 32.6 26.2 39.4



Abundance Scan 1177 (9.210 min): BF127417.D\data.ms (-116745)



2-Fluorobiphenyl

Concen: 76.416 ng

RT: 9.192 min Scan# 1174

Delta R.T. 0.000 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R

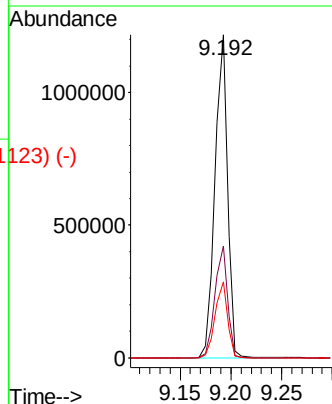
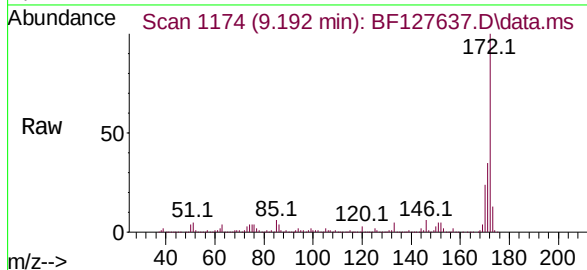
Tgt Ion:172 Resp: 1048322

Ion Ratio Lower Upper

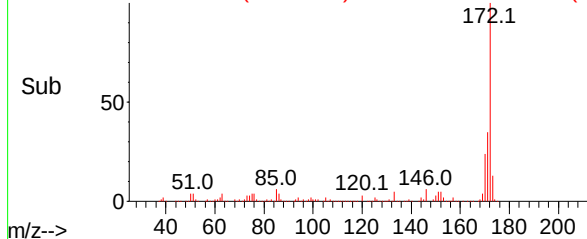
172 100

171 34.6 28.4 42.6

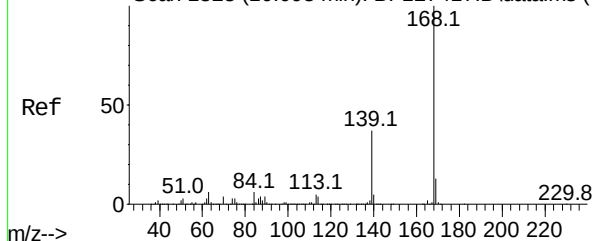
170 23.5 18.6 27.8



Abundance Scan 1174 (9.192 min): BF127637.D\data.ms (-1123) (-)



Abundance Scan 1328 (10.098 min): BF127417.D\data.ms (-1325) (-)



Dibenzofuran

Concen: Below Cal

RT: 10.080 min Scan# 1325

Delta R.T. 0.000 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

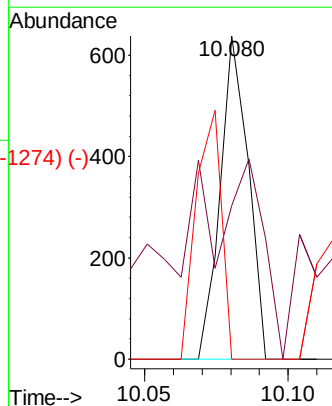
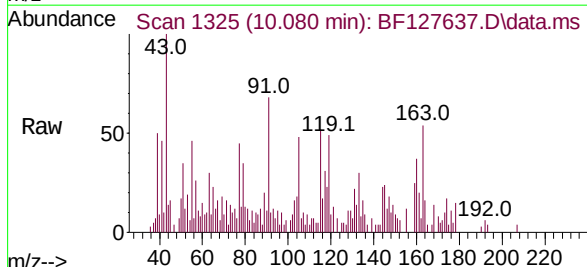
Tgt Ion:168 Resp: 432

Ion Ratio Lower Upper

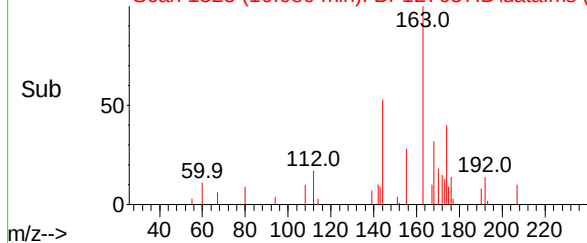
168 100

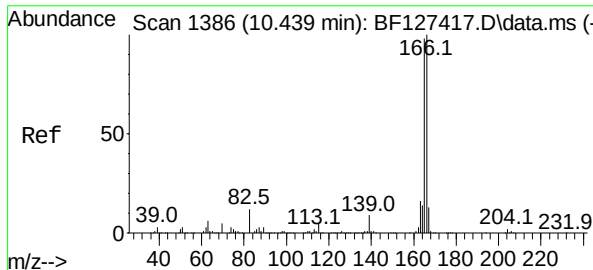
139 47.5 30.3 45.5#

169 0.0 10.8 16.2#



Abundance Scan 1325 (10.080 min): BF127637.D\data.ms (-1274) (-)

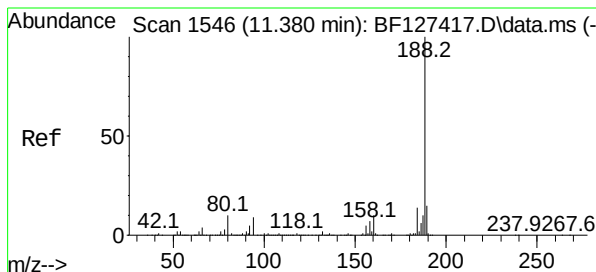
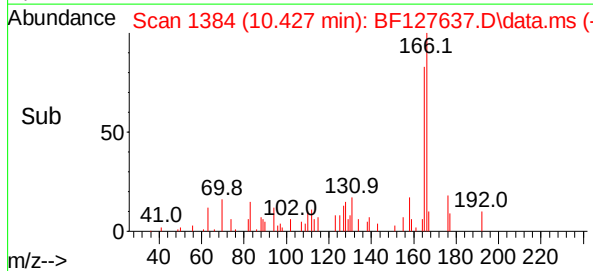
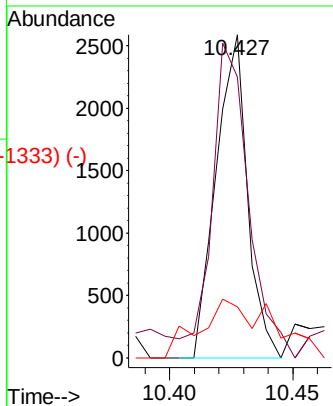
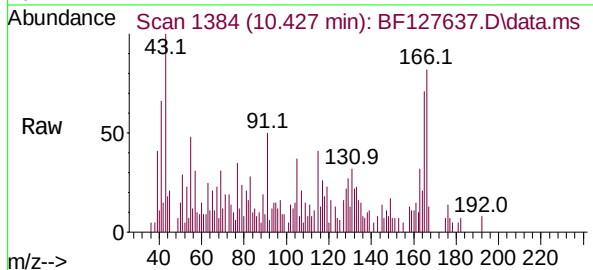




Fluorene
Concen: Below Cal
RT: 10.427 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF127637.D
Acq: 04 Apr 2022 17:39

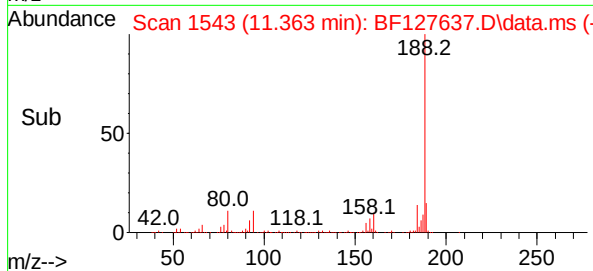
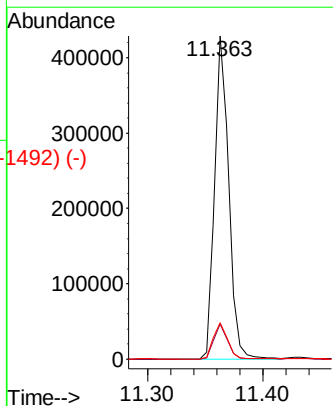
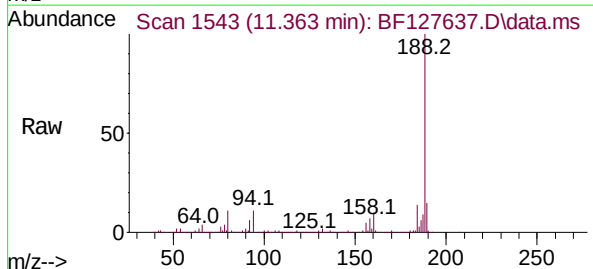
Instrument :
BNA_F
ClientSampleId :
MW-101R

Tgt Ion:	166	Resp:	2284
Ion	Ratio	Lower	Upper
166	100		
165	86.9	78.1	117.1
167	15.8	10.5	15.7#



Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127637.D
Acq: 04 Apr 2022 17:39

Tgt Ion:	188	Resp:	368280
Ion	Ratio	Lower	Upper
188	100		
94	10.9	7.4	11.0
80	11.2	8.0	12.0



Abundance Scan 1468 (10.921 min): BF127417.D\data.ms (-1468) (-)

4-Bromophenyl-phenylether

Concen: 4.230 ng

RT: 10.669 min Scan# 1468

Delta R.T. -0.235 min

Lab File: BF127637.D

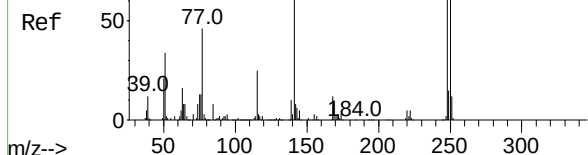
Acq: 04 Apr 2022 17:39

Instrument :

BNA_F

ClientSampleId :

MW-101R



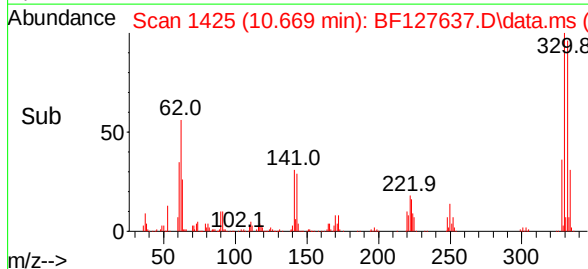
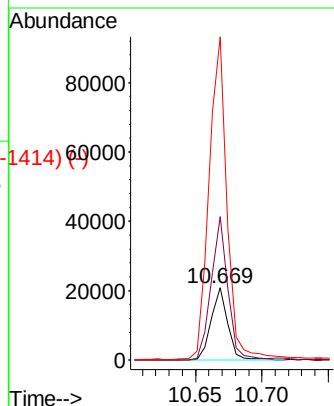
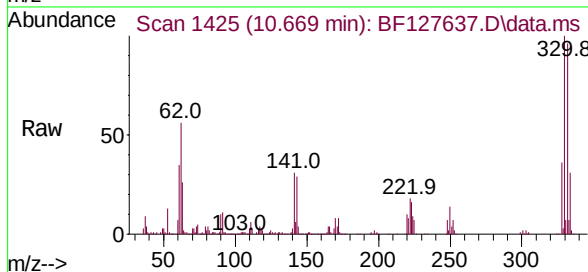
Tgt Ion:248 Resp: 18189

Ion Ratio Lower Upper

248 100

250 197.6 76.6 115.0#

141 446.5 52.2 78.2#



Abundance Scan 1996 (14.027 min): BF127417.D\data.ms (-1996) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 1994

Delta R.T. 0.000 min

Lab File: BF127637.D

Acq: 04 Apr 2022 17:39

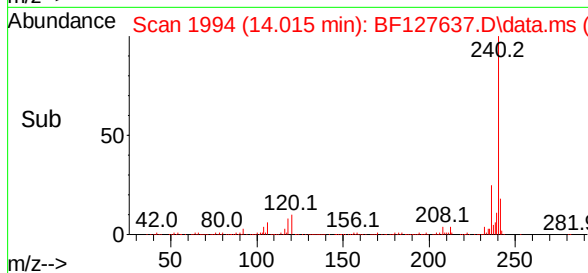
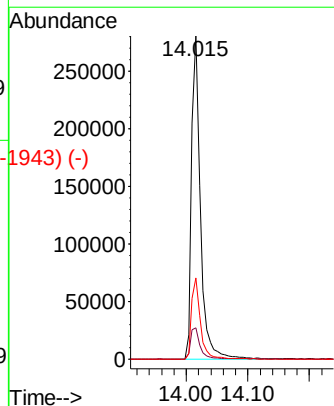
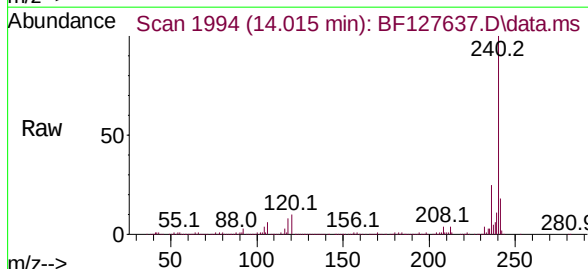
Tgt Ion:240 Resp: 280766

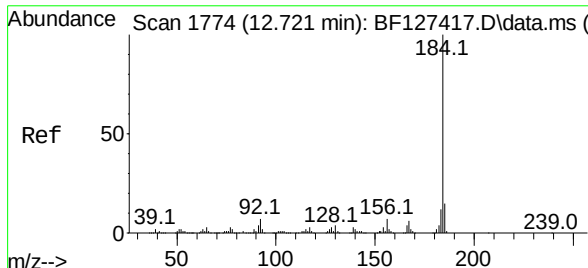
Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

236 25.2 20.7 31.1

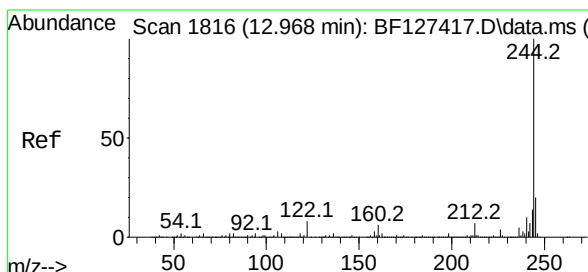
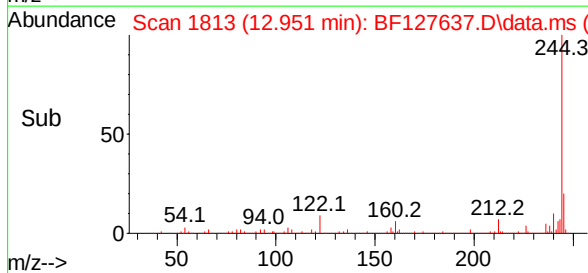
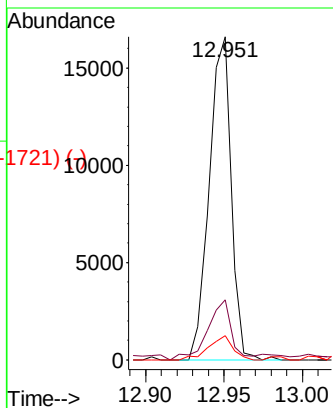
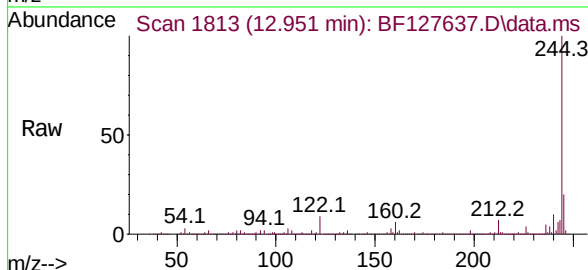




Scan 1774 (12.721 min): BF127417.D\data.ms (-1768) (-)
 Benzidine
 Concen: 2.429 ng
 RT: 12.951 min Scan# 1813
 Delta R.T. 0.241 min
 Lab File: BF127637.D
 Acq: 04 Apr 2022 17:39

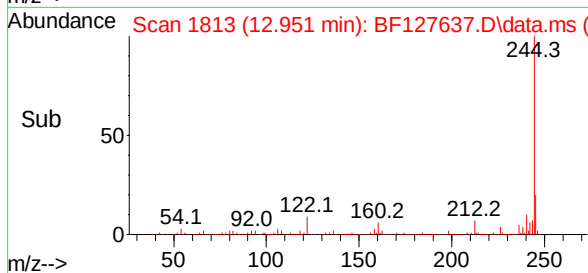
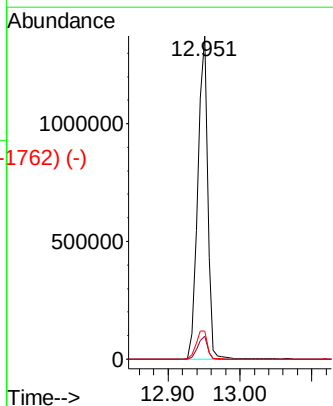
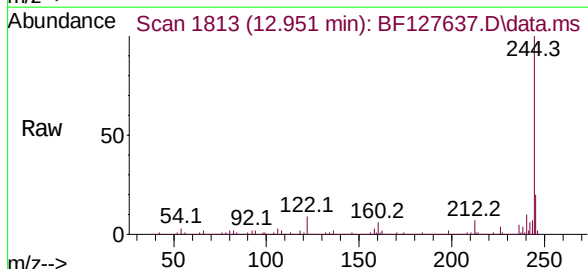
Instrument :
 BNA_F
 ClientSampleId :
 MW-101R

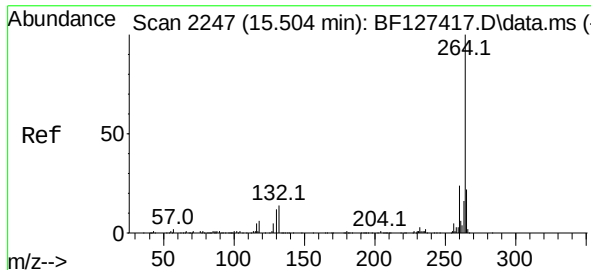
Tgt Ion:	184	Resp:	16258
Ion	Ratio	Lower	Upper
184	100		
185	18.6	12.2	18.2#
183	7.6	9.4	14.0#



Scan 1816 (12.968 min): BF127417.D\data.ms (-1809) (-)
 Terphenyl-d14
 Concen: 75.474 ng
 RT: 12.951 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: BF127637.D
 Acq: 04 Apr 2022 17:39

Tgt Ion:	244	Resp:	1294452
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	8.7	6.2	9.2





Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2194
 Delta R.T. 0.006 min
 Lab File: BF127637.D
 Acq: 04 Apr 2022 17:39

Instrument :
 BNA_F
 ClientSampleId :
 MW-101R

Tgt Ion:	264	Resp:	210382
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.1	28.7
265	21.1	17.4	26.2

