

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040422\
 Data File : BF127638.D
 Acq On : 04 Apr 2022 18:08
 Operator : CG\JU
 Sample : N2249-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2D

Quant Time: Apr 04 21:51:27 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)

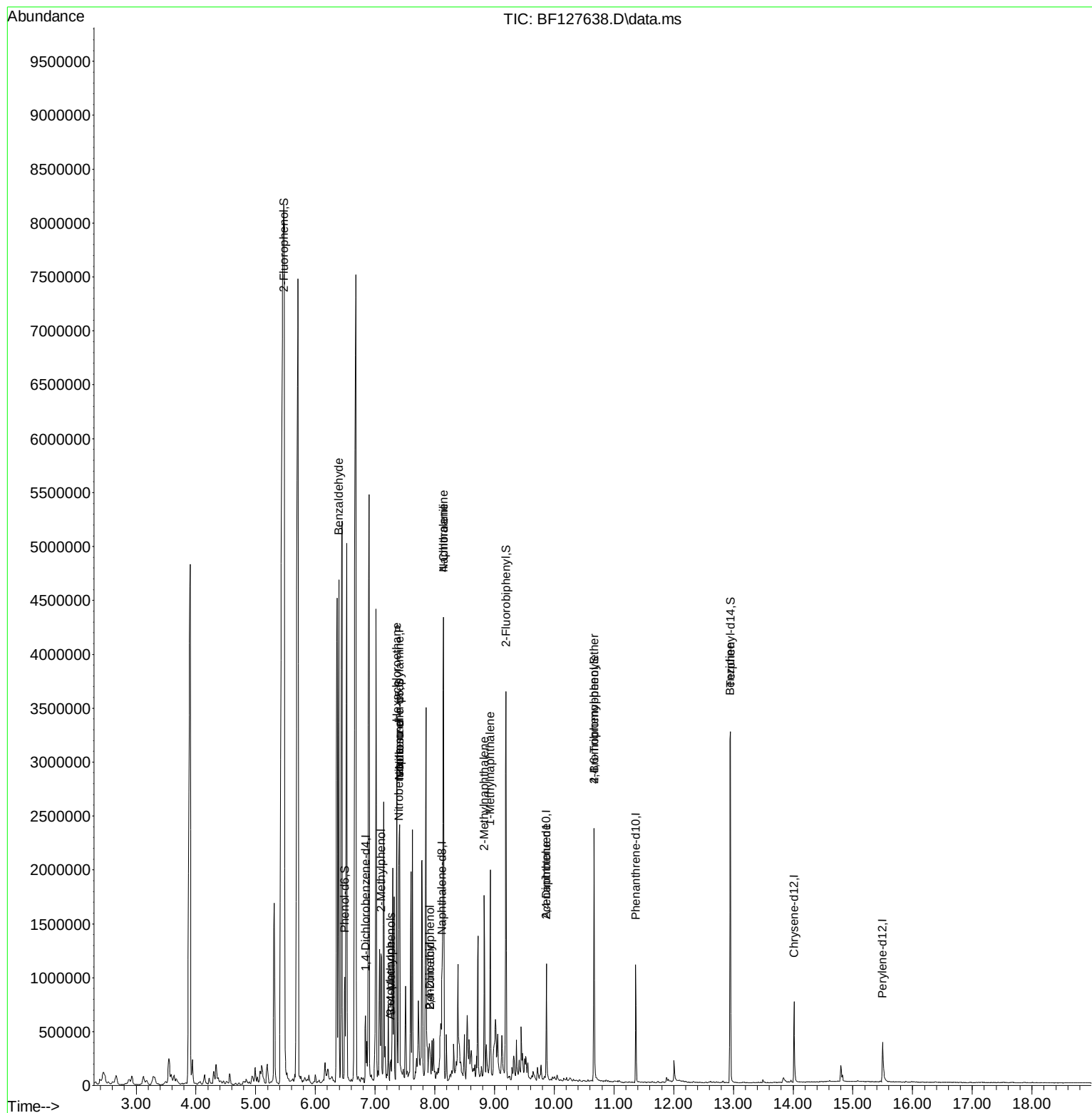
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	92220	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	328107	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	197067	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	365987	20.000	ng	0.00
76) Chrysene-d12	14.016	240	266634	20.000	ng	0.00
86) Perylene-d12	15.498	264	203533	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	234382	40.569	ng	0.02
7) Phenol-d6	6.493	99	327521	41.473	ng	0.01
23) Nitrobenzene-d5	7.410	82	651331	84.855	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	281521	134.104	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1104523	81.843	ng	0.00
79) Terphenyl-d14	12.951	244	1232694	75.682	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.393	77	232958	61.123	ng	# 1
17) 2-Methylphenol	7.104	107	29029	5.826	ng	# 16
18) Hexachloroethane	7.363	117	179065	73.227	ng	# 1
19) n-Nitroso-di-n-propyla...	7.410	70	89200	18.843	ng	# 81
20) 3+4-Methylphenols	7.263	107	45053	7.331	ng	# 60
22) Acetophenone	7.251	105	37911	4.520	ng	# 87
24) Nitrobenzene	7.398	77	31368	4.285	ng	# 1
25) Isophorone	7.410	82	643933	52.672	ng	# 70
27) 2,4-Dimethylphenol	7.922	122	16364	3.543	ng	97
31) Naphthalene	8.145	128	2014812	115.663	ng	97
32) Benzoic acid	7.922	122	16364	11.432	ng	# 78
33) 4-Chloroaniline	8.145	127	270962	40.141	ng	# 30
37) 2-Methylnaphthalene	8.828	142	414997	37.050	ng	100
38) 1-Methylnaphthalene	8.928	142	380908	34.391	ng	99
55) Dibenzofuran	10.086	168	402	Below Cal	#	64
57) 2,4-Dinitrotoluene	9.869	165	26511	7.157	ng	# 16
58) Fluorene	10.422	166	2386	Below Cal		99
67) 4-Bromophenyl-phenylether	10.669	248	18553	4.342	ng	# 1
77) Benzidine	12.945	184	16530	2.600	ng	# 92

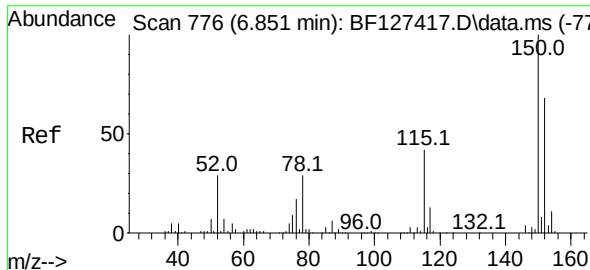
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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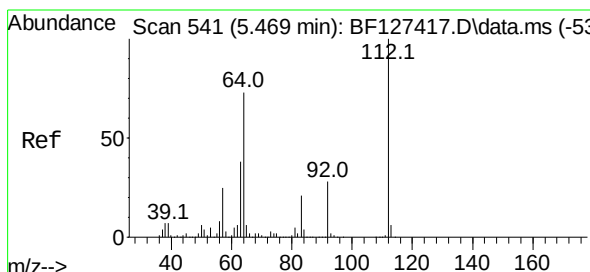
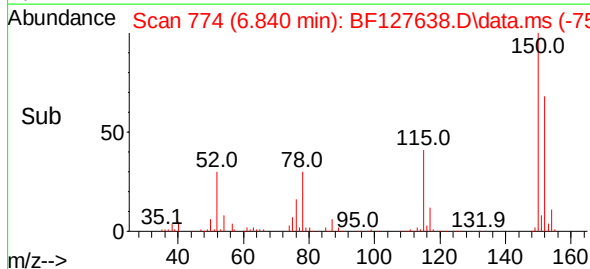
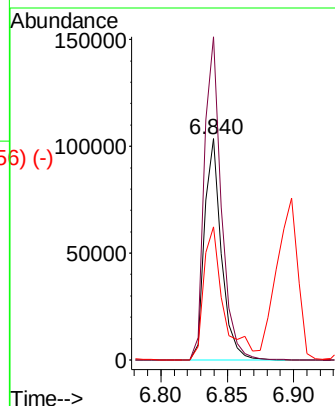
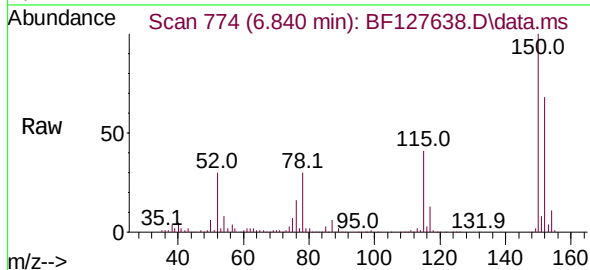




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan#
 Delta R.T. 0.007 min
 Lab File: BF127638.D
 Acq: 04 Apr 2022 18:08

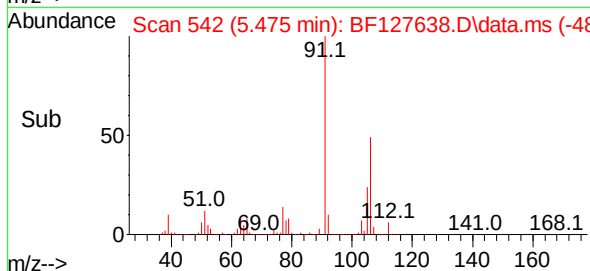
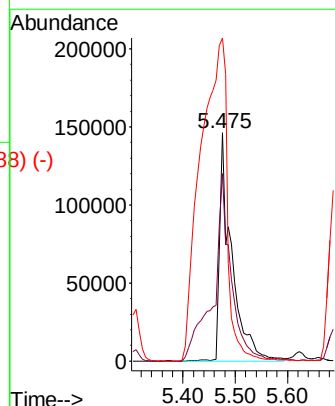
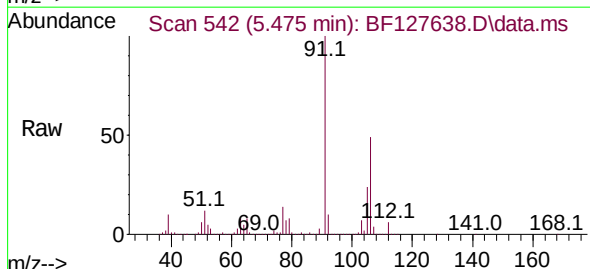
Instrument :
 BNA_F
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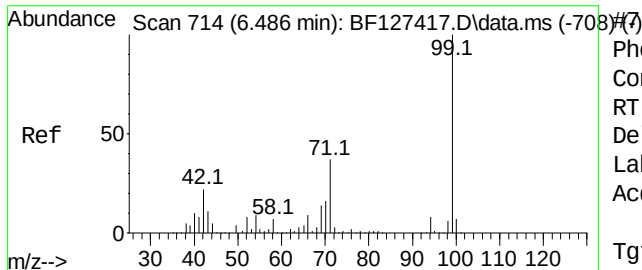
Tgt Ion:	152	Resp:	92220
Ion	Ratio	Lower	Upper
152	100		
150	146.2	117.2	175.8
115	60.3	49.8	74.6



2-Fluorophenol
 Concen: 40.569 ng
 RT: 5.475 min Scan# 542
 Delta R.T. 0.018 min
 Lab File: BF127638.D
 Acq: 04 Apr 2022 18:08

Tgt Ion:	112	Resp:	234382
Ion	Ratio	Lower	Upper
112	100		
64	82.1	58.4	87.6
63	141.4	30.1	45.1#





Phenol-d6

Concen: 41.473 ng

RT: 6.493 min Scan#

Delta R.T. 0.012 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

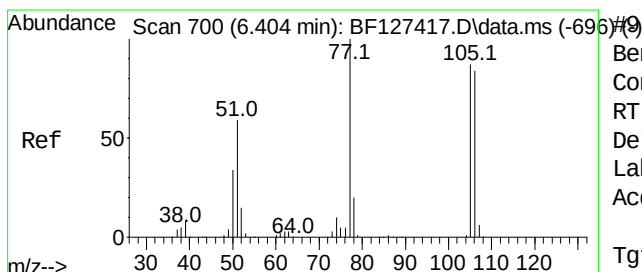
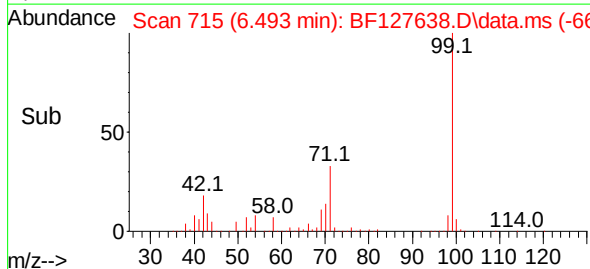
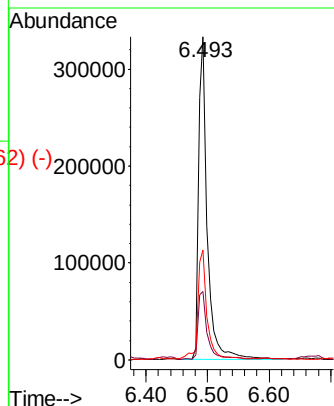
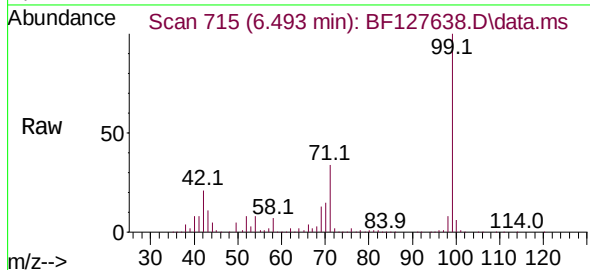
Tgt Ion: 99 Resp: 327521

Ion Ratio Lower Upper

99 100

42 21.1 17.8 26.6

71 34.1 29.6 44.4



Benzaldehyde

Concen: 61.123 ng

RT: 6.393 min Scan# 698

Delta R.T. 0.000 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

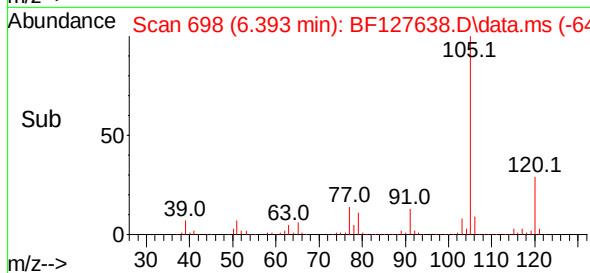
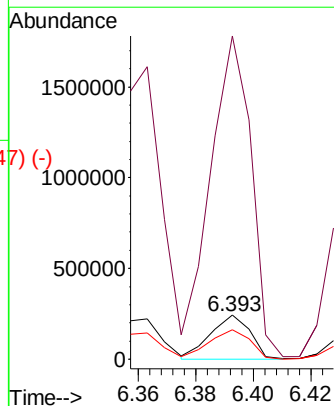
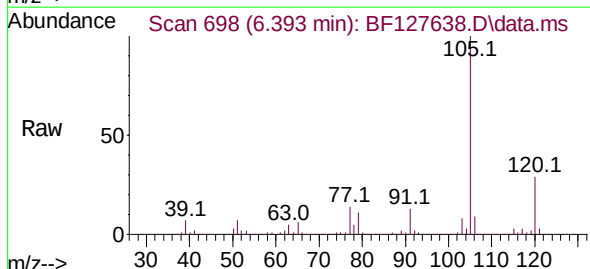
Tgt Ion: 77 Resp: 232958

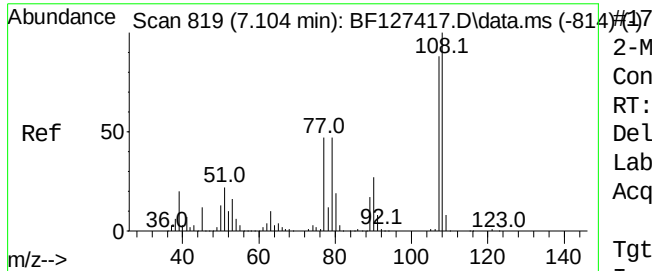
Ion Ratio Lower Upper

77 100

105 734.2 66.8 106.8#

106 66.7 64.3 104.3





2-Methylphenol

Concen: 5.826 ng

RT: 7.104 min Scan# 819

Delta R.T. 0.012 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

Tgt Ion:107 Resp: 29029

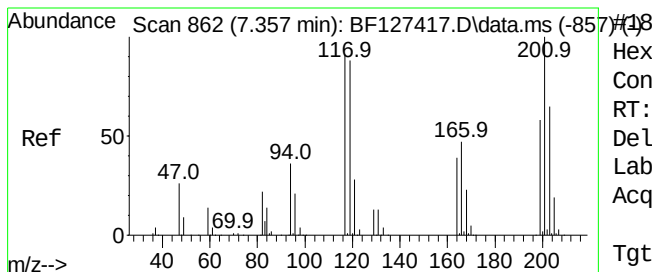
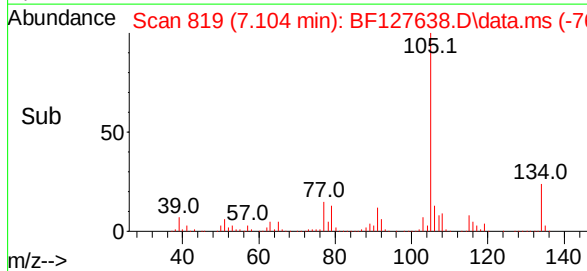
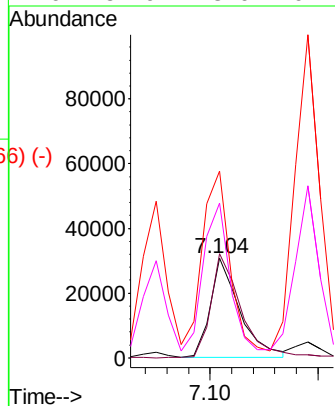
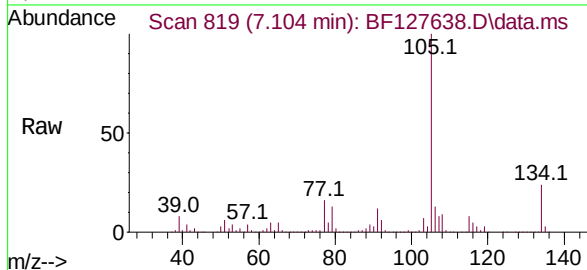
Ion Ratio Lower Upper

107 100

108 104.3 90.7 136.1

77 187.1 42.9 64.3#

79 154.9 43.0 64.6#



Hexachloroethane

Concen: 73.227 ng

RT: 7.363 min Scan# 863

Delta R.T. 0.024 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

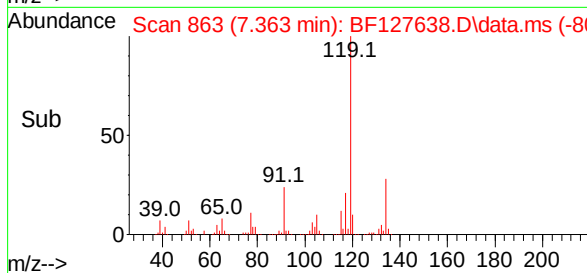
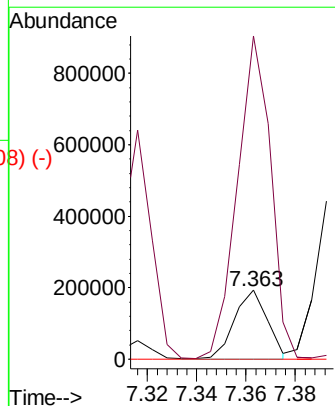
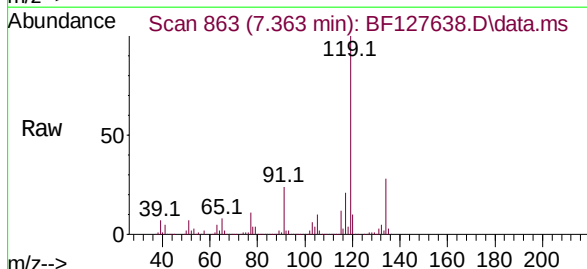
Tgt Ion:117 Resp: 179065

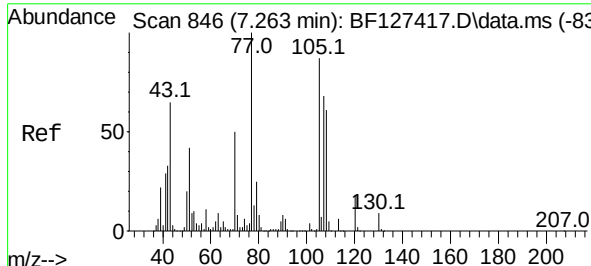
Ion Ratio Lower Upper

117 100

119 469.8 77.6 116.4#

201 0.0 88.2 132.2#

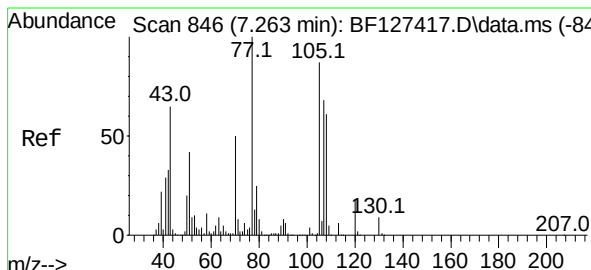
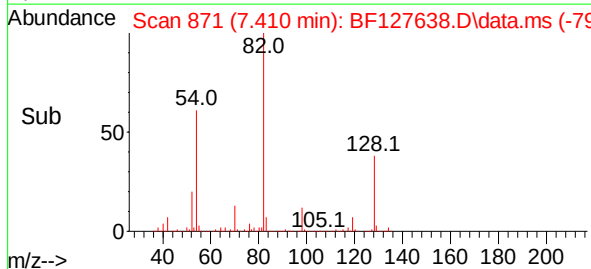
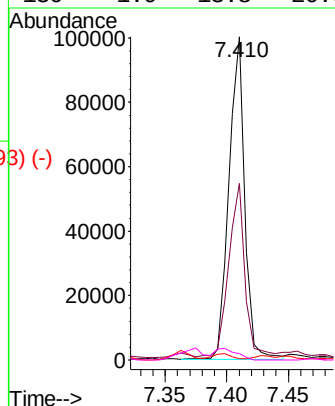
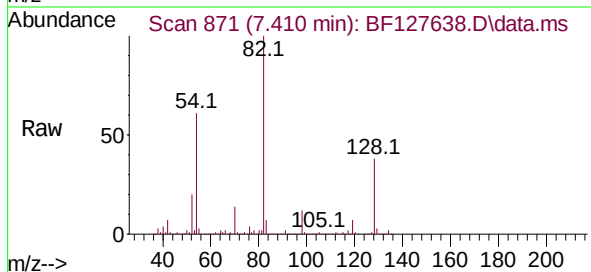




n-Nitroso-di-n-propylamine
 Concen: 18.843 ng
 RT: 7.410 min Scan# 819
 Delta R.T. 0.159 min
 Lab File: BF127638.D
 Acq: 04 Apr 2022 18:08

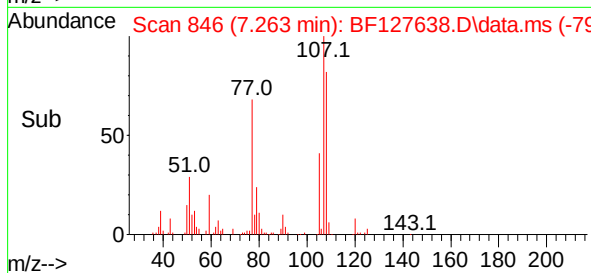
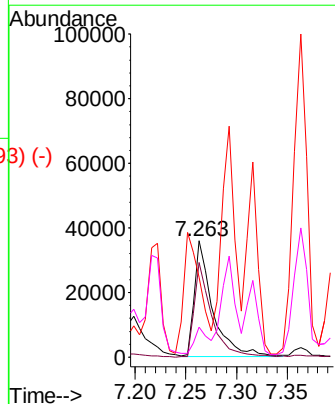
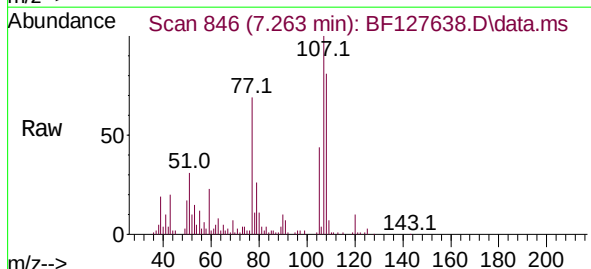
Instrument :
 BNA_F
 ClientSampleId :
 MW-2D

Tgt Ion: 70 Resp: 89200
 Ion Ratio Lower Upper
 70 100
 42 54.6 53.0 79.6
 101 0.3 6.8 10.2#
 130 1.9 13.8 20.6#



3+4-Methylphenols
 Concen: 7.331 ng
 RT: 7.263 min Scan# 846
 Delta R.T. 0.012 min
 Lab File: BF127638.D
 Acq: 04 Apr 2022 18:08

Tgt Ion: 107 Resp: 45053
 Ion Ratio Lower Upper
 107 100
 108 81.1 70.7 110.7
 77 68.8 127.9 167.9#
 79 25.6 16.8 56.8



Abundance Scan 994 (8.133 min): BF127417.D\data.ms (-988) #21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF127638.D

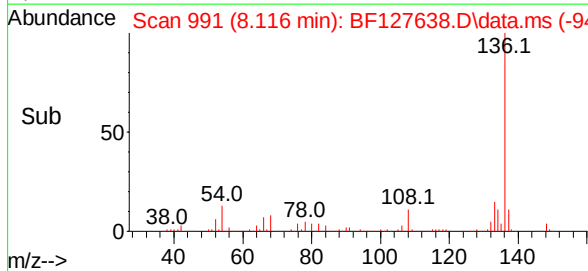
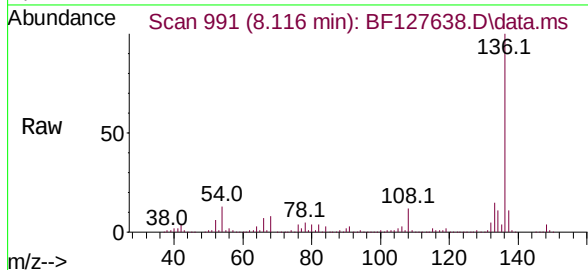
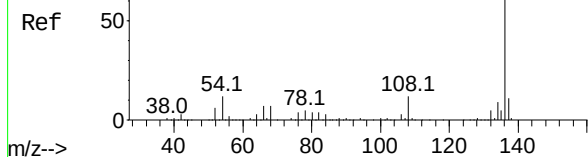
Acq: 04 Apr 2022 18:08

Instrument :

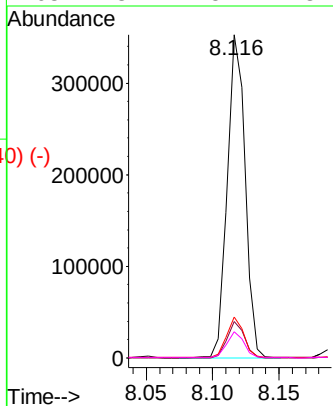
BNA_F

ClientSampleId :

MW-2D



Tgt Ion:	136	Resp:	328107
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	12.7	9.2	13.8
68	8.1	5.4	8.0#



Abundance Scan 846 (7.263 min): BF127417.D\data.ms (-841) #22

Acetophenone

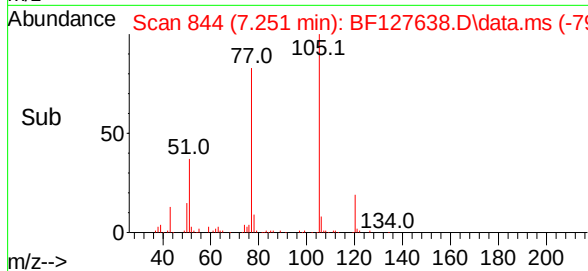
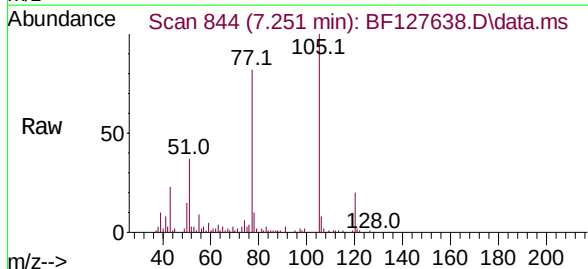
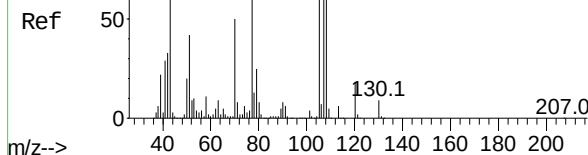
Concen: 4.520 ng

RT: 7.251 min Scan# 844

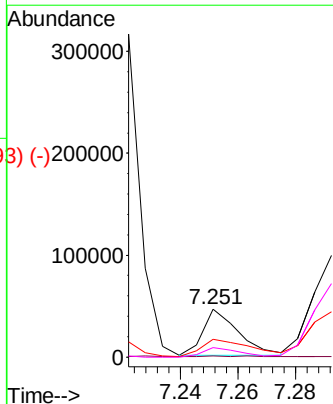
Delta R.T. 0.000 min

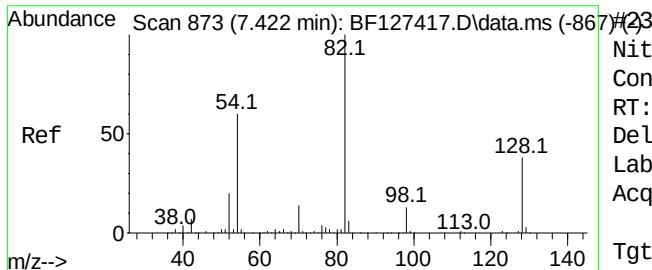
Lab File: BF127638.D

Acq: 04 Apr 2022 18:08



Tgt Ion:	105	Resp:	37911
Ion	Ratio	Lower	Upper
105	100		
71	2.0	7.3	10.9#
51	37.0	38.8	58.2#
120	20.1	16.5	24.7





Nitrobenzene-d5

Concen: 84.855 ng

RT: 7.410 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

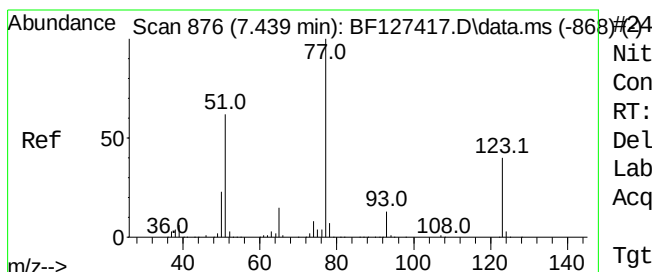
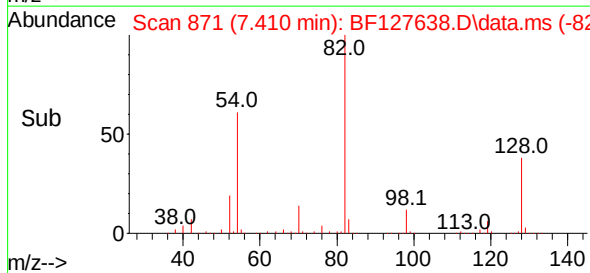
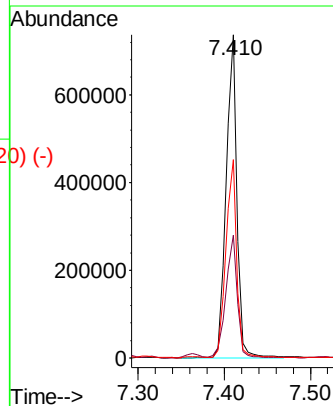
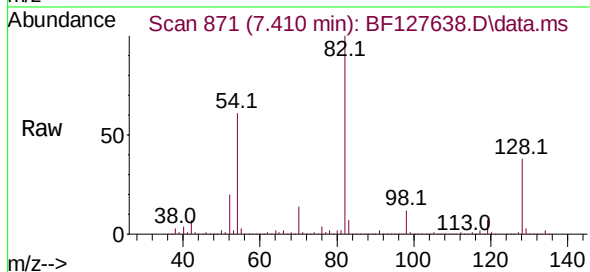
Tgt Ion: 82 Resp: 651331

Ion Ratio Lower Upper

82 100

128 37.9 30.6 45.8

54 61.4 48.2 72.2



Nitrobenzene

Concen: 4.285 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.029 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

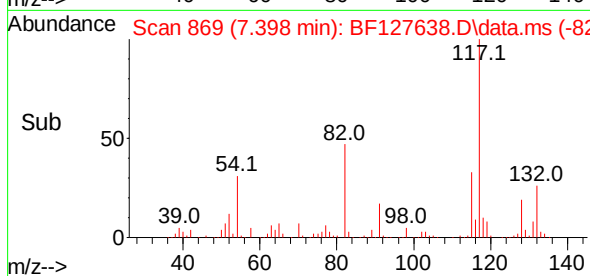
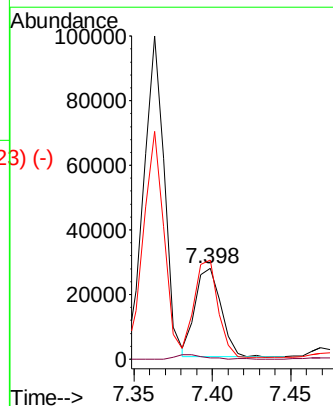
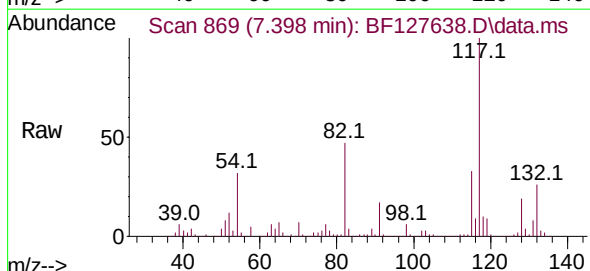
Tgt Ion: 77 Resp: 31368

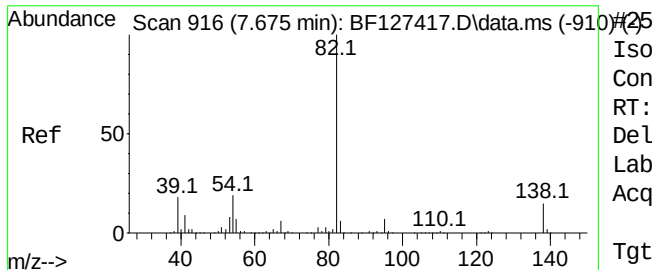
Ion Ratio Lower Upper

77 100

123 1.5 32.0 48.0#

65 108.5 12.2 18.2#

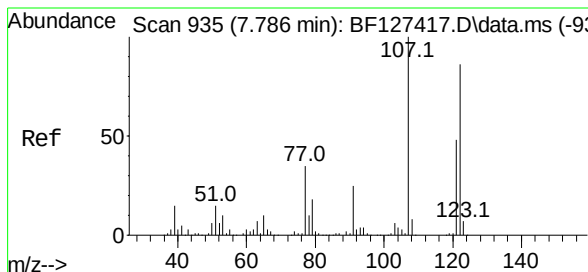
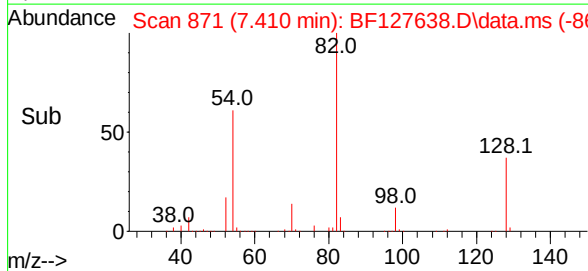
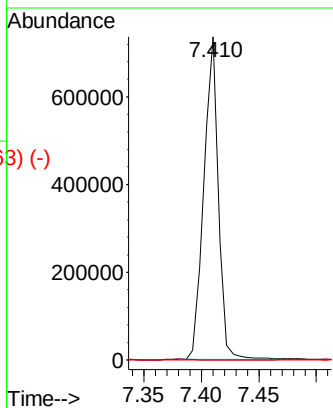
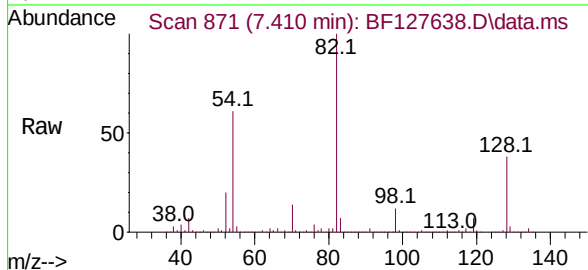




Isophorone
Concen: 52.672 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF127638.D
Acq: 04 Apr 2022 18:08

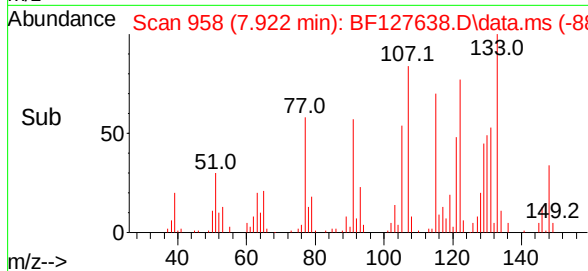
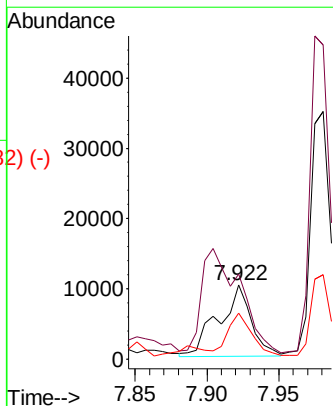
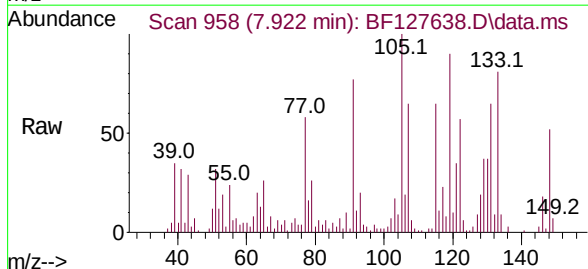
Instrument :
BNA_F
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MW-2D

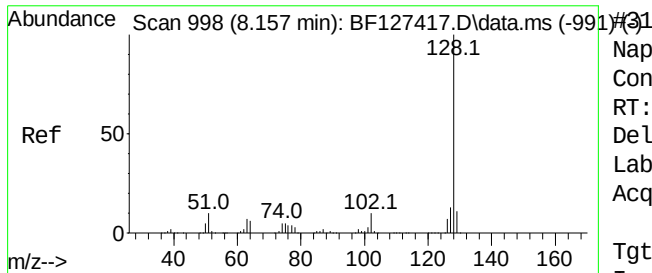
Tgt Ion: 82 Resp: 643933
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 11.6 17.4#



2,4-Dimethylphenol
Concen: 3.543 ng
RT: 7.922 min Scan# 958
Delta R.T. 0.147 min
Lab File: BF127638.D
Acq: 04 Apr 2022 18:08

Tgt Ion: 122 Resp: 16364
Ion Ratio Lower Upper
122 100
107 114.7 93.0 139.4
121 61.8 44.9 67.3





Naphthalene

Concen: 115.663 ng

RT: 8.145 min Scan# 998

Delta R.T. 0.006 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

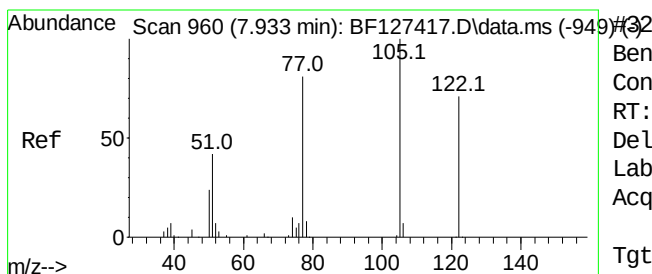
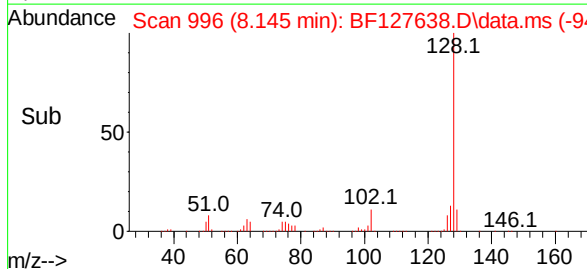
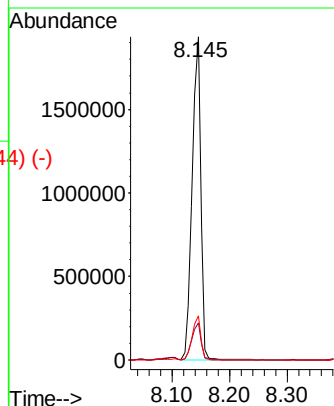
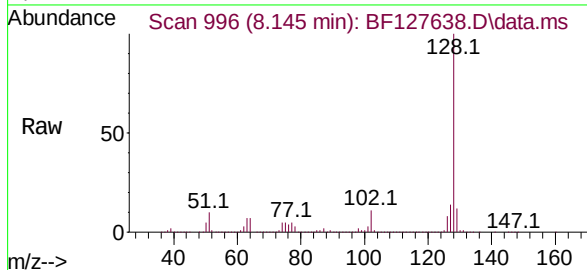
Tgt Ion:128 Resp: 2014812

Ion Ratio Lower Upper

128 100

129 11.5 8.4 12.6

127 13.6 10.2 15.2



Benzoic acid

Concen: 11.432 ng

RT: 7.922 min Scan# 958

Delta R.T. -0.006 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

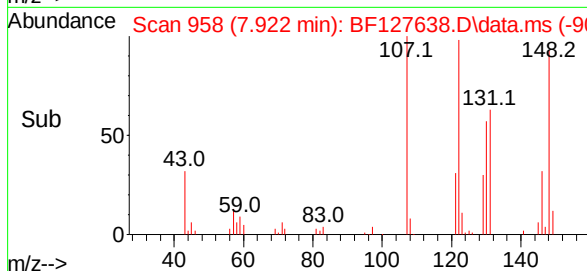
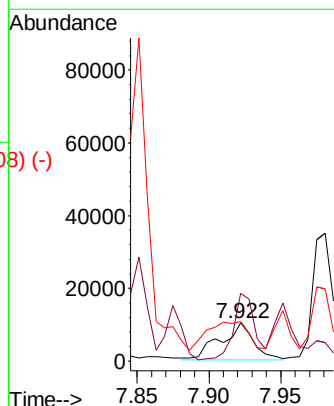
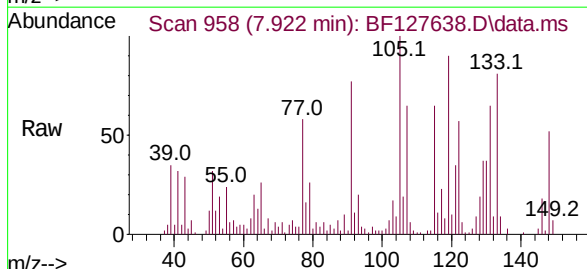
Tgt Ion:122 Resp: 16364

Ion Ratio Lower Upper

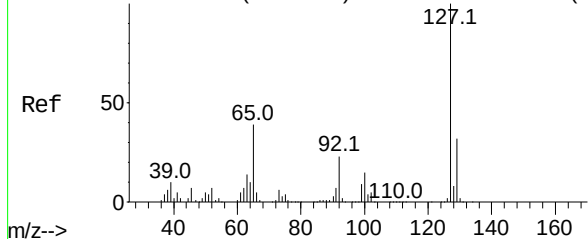
122 100

105 176.7 117.1 157.1#

77 103.3 93.0 133.0



Abundance Scan 1007 (8.210 min): BF127417.D\data.ms (-10623)



4-Chloroaniline

Concen: 40.141 ng

RT: 8.145 min Scan# 996

Delta R.T. -0.053 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

Tgt Ion:127 Resp: 270962

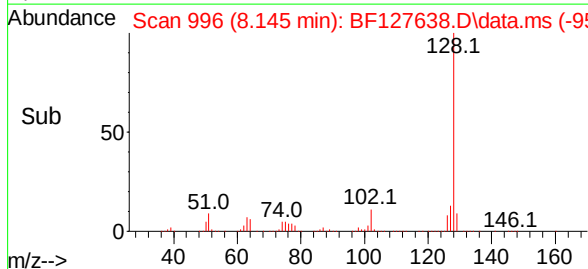
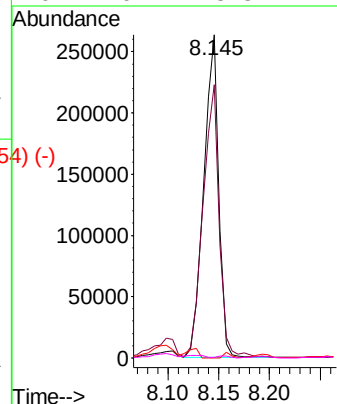
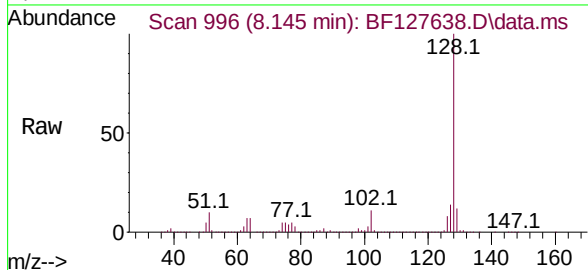
Ion Ratio Lower Upper

127 100

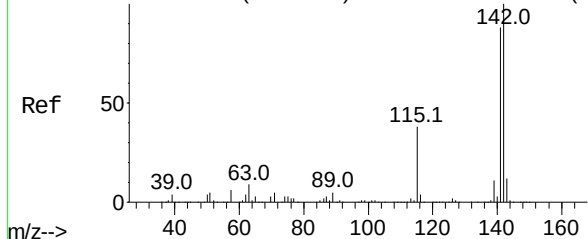
129 84.6 25.9 38.9#

65 0.0 31.4 47.0#

92 0.2 18.3 27.5#



Abundance Scan 1115 (8.845 min): BF127417.D\data.ms (-11107)



2-Methylnaphthalene

Concen: 37.050 ng

RT: 8.828 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF127638.D

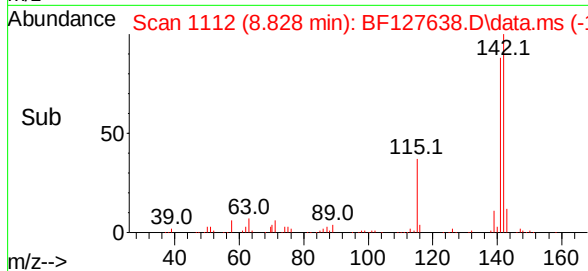
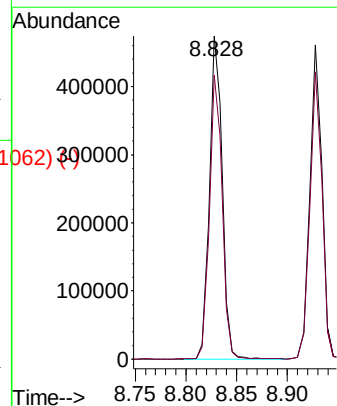
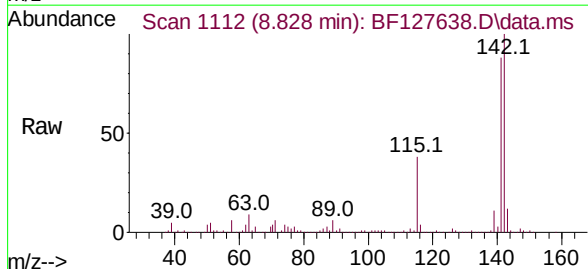
Acq: 04 Apr 2022 18:08

Tgt Ion:142 Resp: 414997

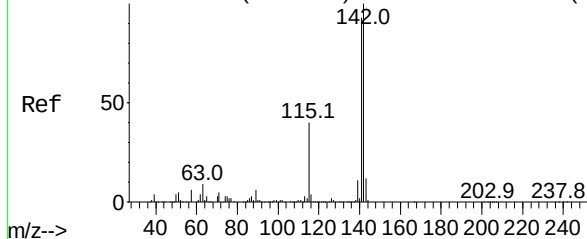
Ion Ratio Lower Upper

142 100

141 87.9 70.6 106.0



Abundance Scan 1132 (8.945 min): BF127417.D\data.ms (-112638)



1-Methylnaphthalene

Concen: 34.391 ng

RT: 8.928 min Scan#

Delta R.T. 0.000 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

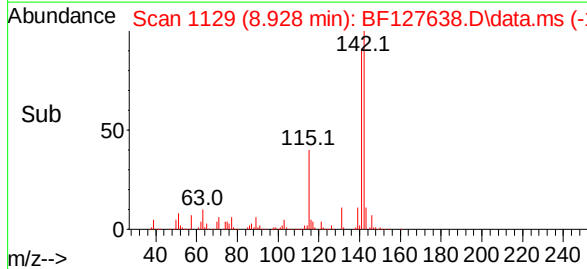
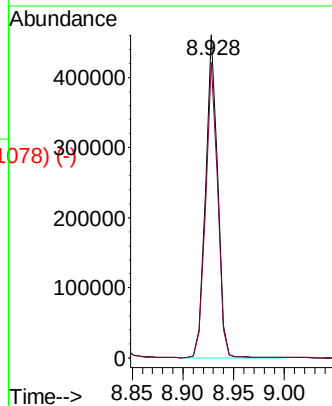
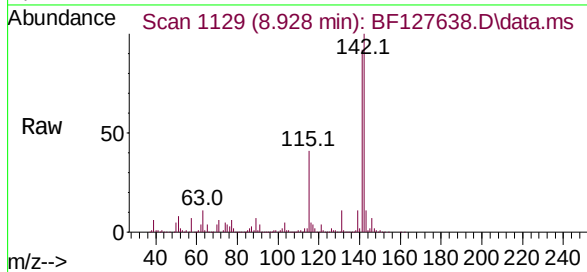
MW-2D

Tgt Ion:142 Resp: 380908

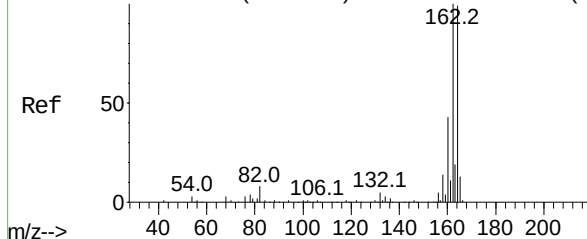
Ion Ratio Lower Upper

142 100

141 91.5 74.2 111.2



Abundance Scan 1293 (9.892 min): BF127417.D\data.ms (-128739)



Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

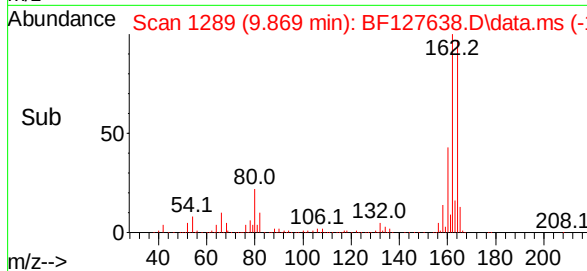
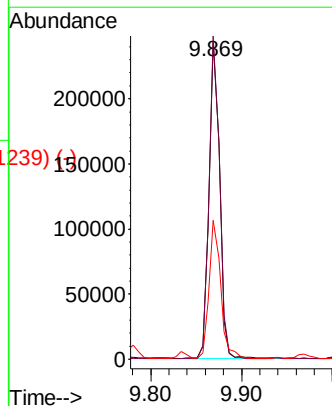
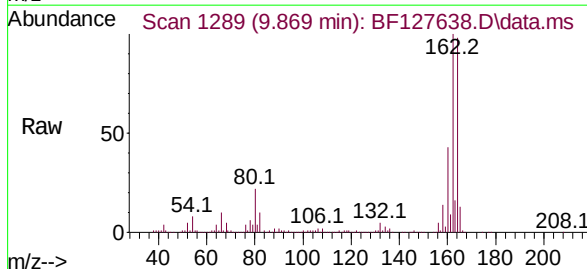
Tgt Ion:164 Resp: 197067

Ion Ratio Lower Upper

164 100

162 102.1 81.2 121.8

160 43.8 34.6 52.0



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

2,4,6-Tribromophenol

Concen: 134.104 ng

RT: 10.669 min Scan# 1428

Delta R.T. 0.000 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

Tgt Ion:330 Resp: 281521

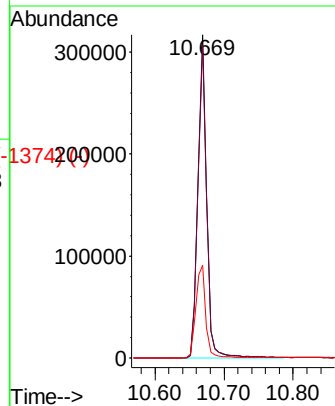
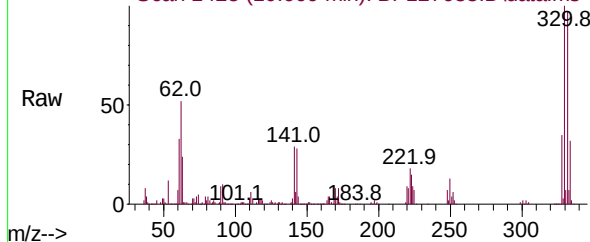
Ion Ratio Lower Upper

330 100

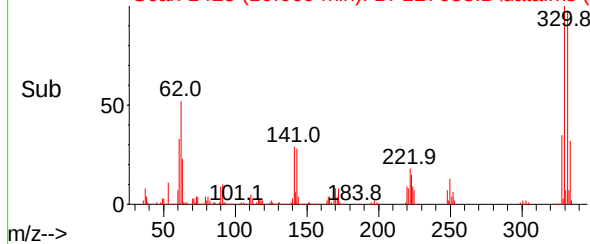
332 97.8 79.1 118.7

141 32.5 26.2 39.4

Abundance Scan 1425 (10.669 min): BF127638.D\data.ms



Abundance Scan 1425 (10.669 min): BF127638.D\data.ms (-137420) (-)



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

2-Fluorobiphenyl

Concen: 81.843 ng

RT: 9.192 min Scan# 1174

Delta R.T. 0.000 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Tgt Ion:172 Resp: 1104523

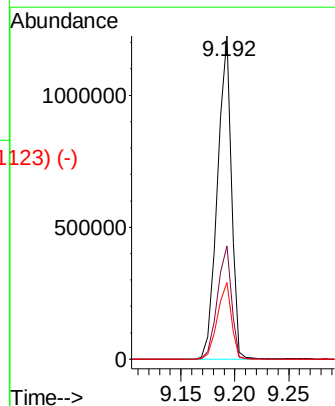
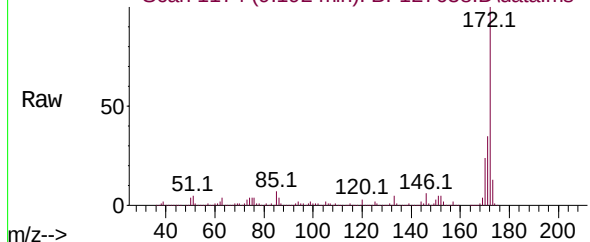
Ion Ratio Lower Upper

172 100

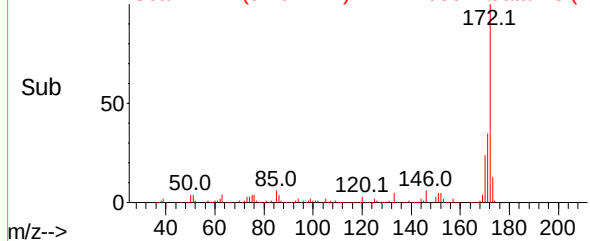
171 35.0 28.4 42.6

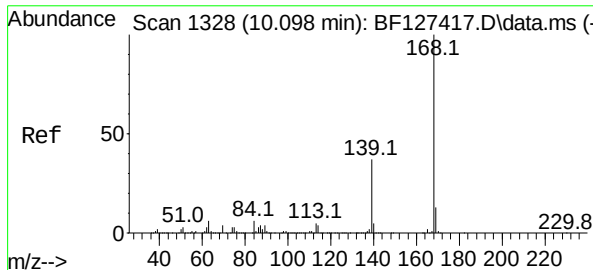
170 23.8 18.6 27.8

Abundance Scan 1174 (9.192 min): BF127638.D\data.ms



Abundance Scan 1174 (9.192 min): BF127638.D\data.ms (-1123) (-)





Dibenzofuran

Concen: Below Cal

RT: 10.086 min Scan# 1285

Delta R.T. 0.006 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

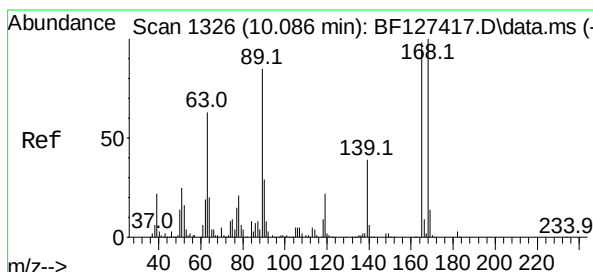
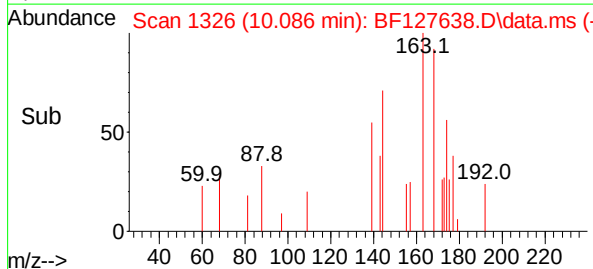
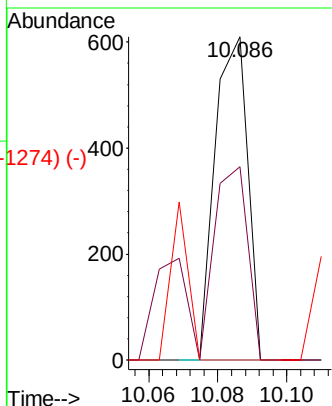
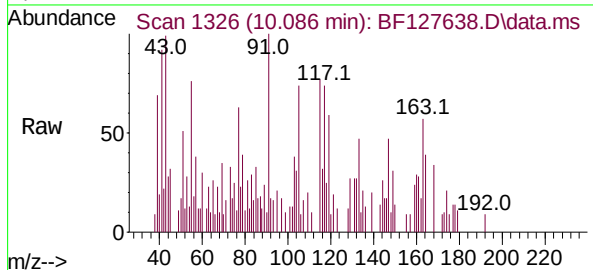
Tgt Ion:168 Resp: 402

Ion Ratio Lower Upper

168 100

139 59.8 30.3 45.5#

169 0.0 10.8 16.2#



2,4-Dinitrotoluene

Concen: 7.157 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.206 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Tgt Ion:165 Resp: 26511

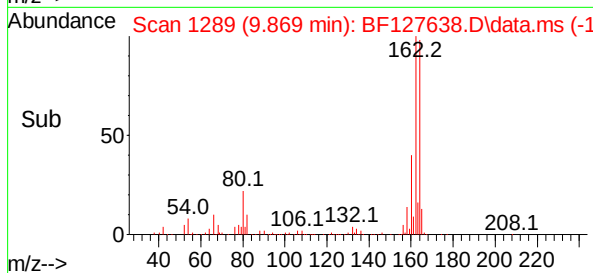
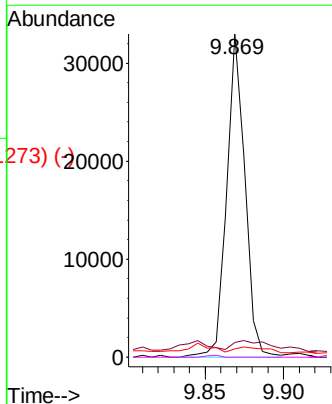
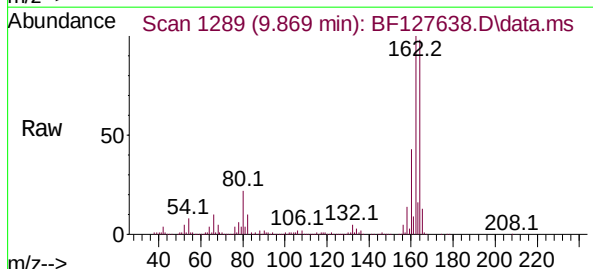
Ion Ratio Lower Upper

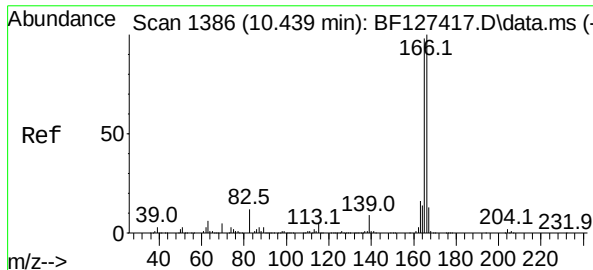
165 100

63 4.5 53.1 79.7#

89 2.6 69.2 103.8#

182 0.0 2.2 3.2#

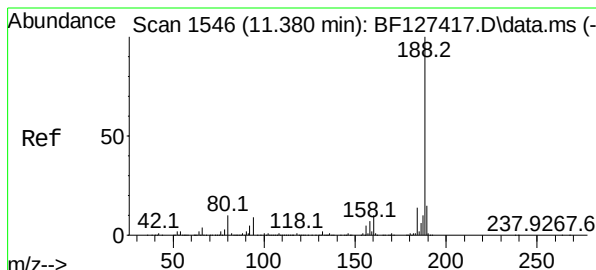
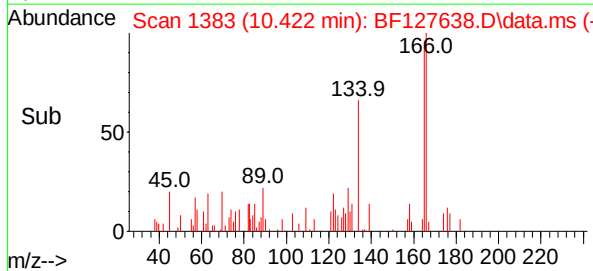
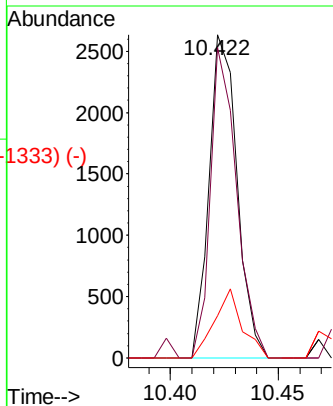
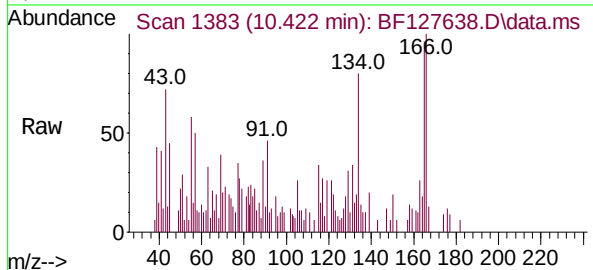




Fluorene
Concen: Below Cal
RT: 10.422 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF127638.D
Acq: 04 Apr 2022 18:08

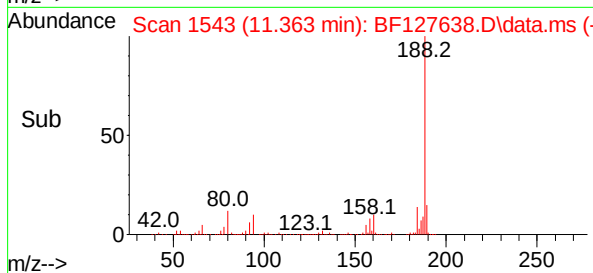
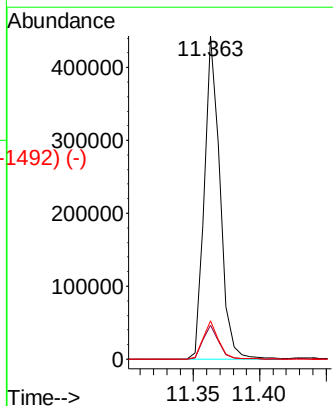
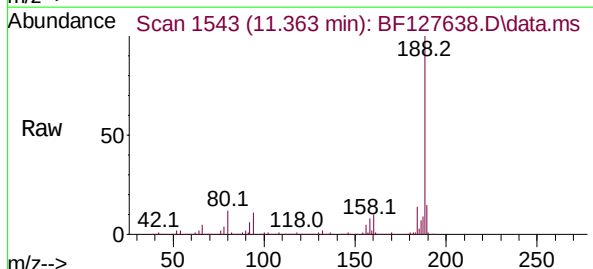
Instrument :
BNA_F
ClientSampleId :
MW-2D

Tgt Ion:	166	Resp:	2386
Ion Ratio	Lower	Upper	
166	100		
165	96.1	78.1	117.1
167	13.1	10.5	15.7



Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127638.D
Acq: 04 Apr 2022 18:08

Tgt Ion:	188	Resp:	365987
Ion Ratio	Lower	Upper	
188	100		
94	10.6	7.4	11.0
80	11.8	8.0	12.0



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

4-Bromophenyl-phenylether

Concen: 4.342 ng

RT: 10.669 min Scan# 1468

Delta R.T. -0.235 min

Lab File: BF127638.D

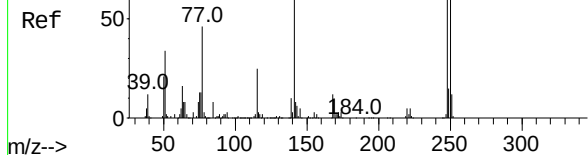
Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D



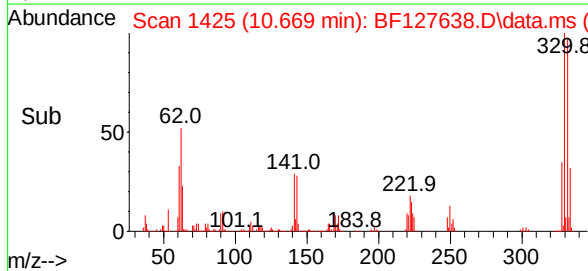
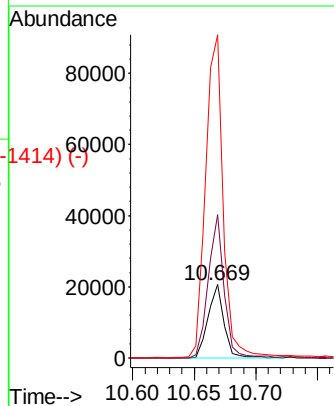
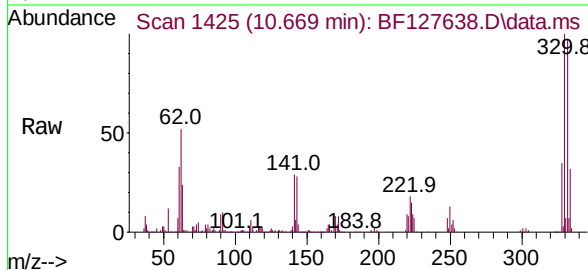
Tgt Ion:248 Resp: 18553

Ion Ratio Lower Upper

248 100

250 195.2 76.6 115.0#

141 439.9 52.2 78.2#



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

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 1994

Delta R.T. 0.000 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

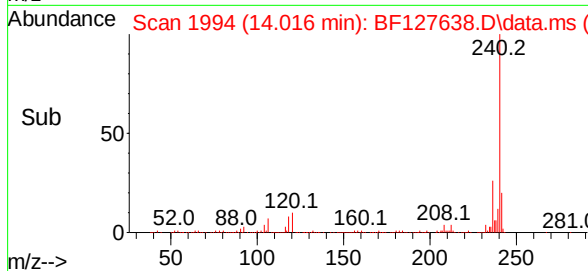
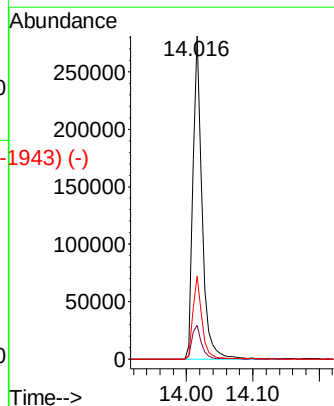
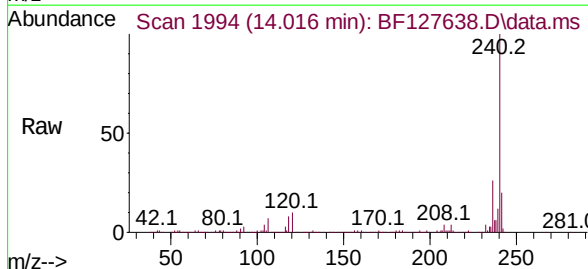
Tgt Ion:240 Resp: 266634

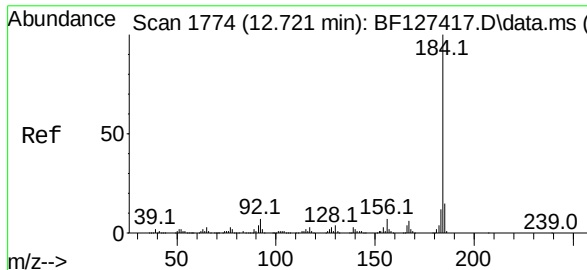
Ion Ratio Lower Upper

240 100

120 10.5 7.1 10.7

236 25.6 20.7 31.1

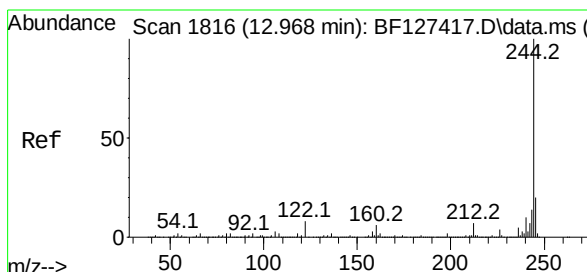
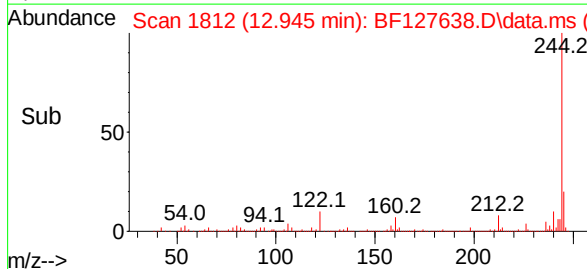
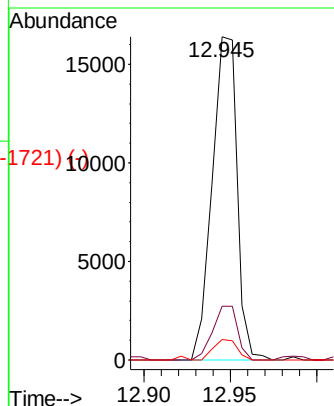
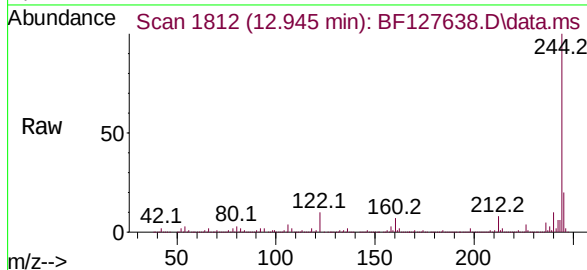




Benzidine
Concen: 2.600 ng
RT: 12.945 min Scan# 1812
Delta R.T. 0.236 min
Lab File: BF127638.D
Acq: 04 Apr 2022 18:08

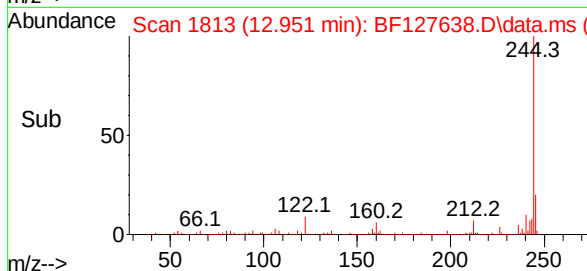
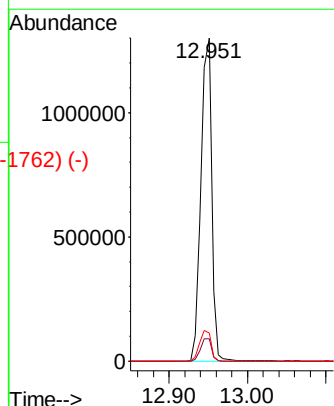
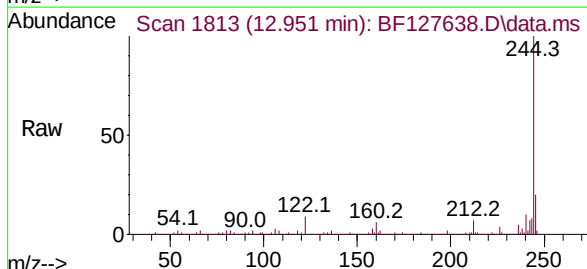
Instrument :
BNA_F
ClientSampleId :
MW-2D

Tgt Ion:	184	Resp:	16530
Ion	Ratio	Lower	Upper
184	100		
185	16.6	12.2	18.2
183	6.3	9.4	14.0#

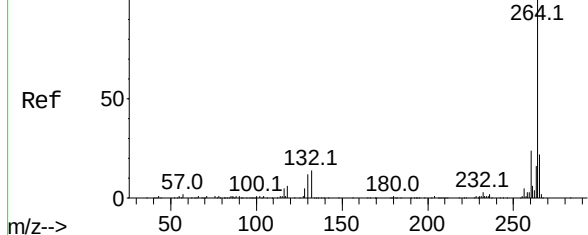


Terphenyl-d14
Concen: 75.682 ng
RT: 12.951 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF127638.D
Acq: 04 Apr 2022 18:08

Tgt Ion:	244	Resp:	1232694
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	8.7	6.2	9.2



Abundance Scan 2247 (15.504 min): BF127417.D\data.ms (-2194) (-)



Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF127638.D

Acq: 04 Apr 2022 18:08

Instrument :

BNA_F

ClientSampleId :

MW-2D

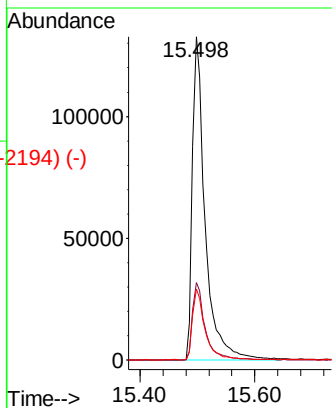
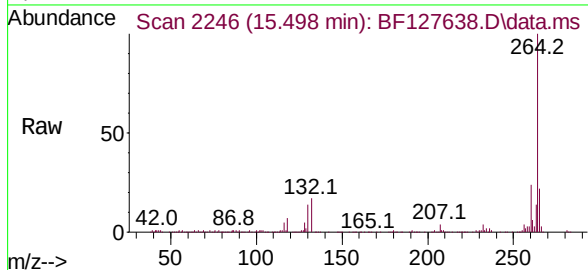
Tgt Ion:264 Resp: 203533

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 22.0 17.4 26.2



Abundance Scan 2246 (15.498 min): BF127638.D\data.ms (-2194) (-)

