

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
 Data File : BF127800.D
 Acq On : 15 Apr 2022 12:45
 Operator : CG\JU
 Sample : N2389-07RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 33637-8RE

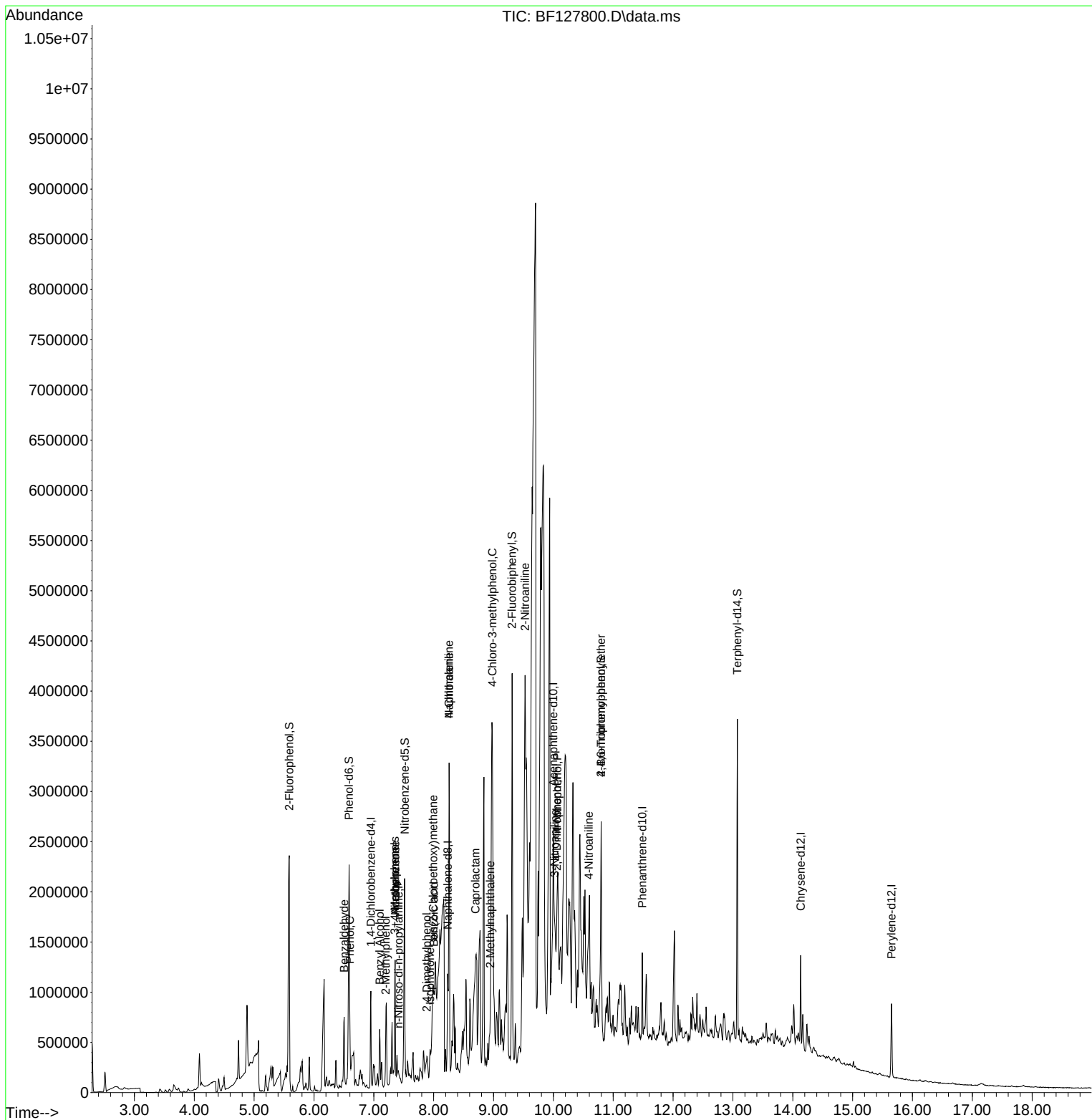
Quant Time: Apr 18 01:23:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

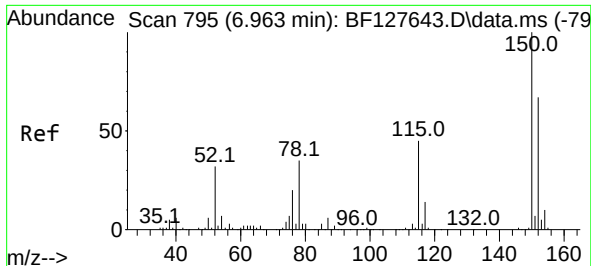
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	131076	20.000	ng	-0.01
21) Naphthalene-d8	8.233	136	436090	20.000	ng	#-0.01
39) Acenaphthene-d10	9.998	164	183452	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	303888	20.000	ng	0.00
76) Chrysene-d12	14.133	240	316457	20.000	ng	-0.01
86) Perylene-d12	15.651	264	351057	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	784101	97.202	ng	0.00
7) Phenol-d6	6.587	99	856392	81.152	ng	0.00
23) Nitrobenzene-d5	7.516	82	723781	73.992	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	216982	111.147	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	1182799	91.210	ng	-0.01
79) Terphenyl-d14	13.074	244	1139363	59.428	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.504	77	78134	8.740	ng	93
10) Phenol	6.598	94	140858	13.349	ng	100
15) Benzyl Alcohol	7.098	79	87137	9.445	ng	97
17) 2-Methylphenol	7.198	107	43586	6.123	ng	97
19) n-Nitroso-di-n-propyla...	7.416	70	103557	15.172	ng	# 49
20) 3+4-Methylphenols	7.351	107	88429	9.749	ng	# 64
22) Acetophenone	7.357	105	261329	22.301	ng	# 81
24) Nitrobenzene	7.357	77	245185	25.857	ng	# 45
25) Isophorone	7.939	82	74272	4.351	ng	# 75
27) 2,4-Dimethylphenol	7.886	122	18860	2.827	ng	83
28) bis(2-Chloroethoxy)met...	7.992	93	61147	5.810	ng	# 65
31) Naphthalene	8.257	128	1380471	60.411	ng	98
32) Benzoic acid	8.004	122	226273	46.746	ng	93
33) 4-Chloroaniline	8.257	127	177769	19.753	ng	# 29
35) Caprolactam	8.698	113	4964	2.337	ng	# 17
36) 4-Chloro-3-methylphenol	8.980	107	1448480	192.230	ng	# 22
37) 2-Methylnaphthalene	8.945	142	37429	2.449	ng	95
48) 2-Nitroaniline	9.528	65	348484	100.636	ng	# 32
53) 3-Nitroaniline	10.022	138	681585	257.397	ng	# 1
54) 2,4-Dinitrophenol	10.057	184	126	5.403	ng	# 1
56) 4-Nitrophenol	10.069	139	16731	8.044	ng	# 1
62) 4-Nitroaniline	10.592	138	47997	19.246	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	13855	3.757	ng	# 1

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

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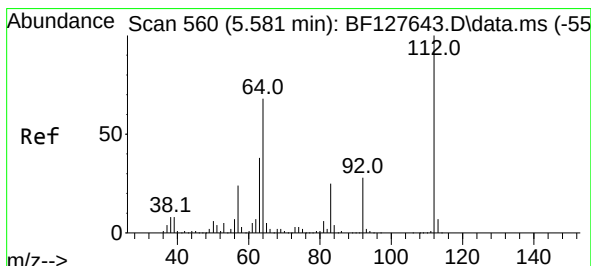
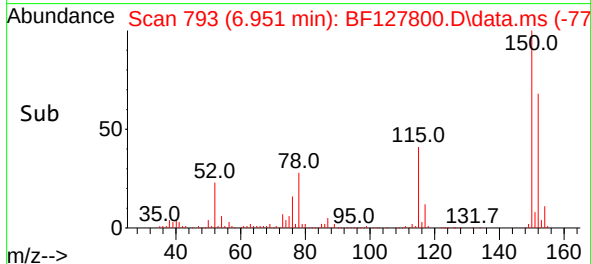
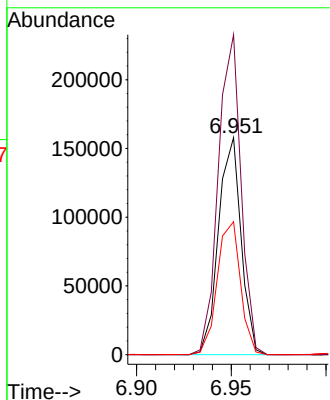
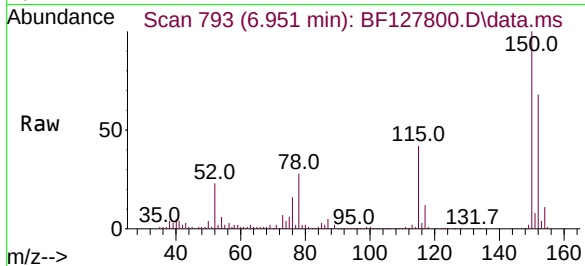




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

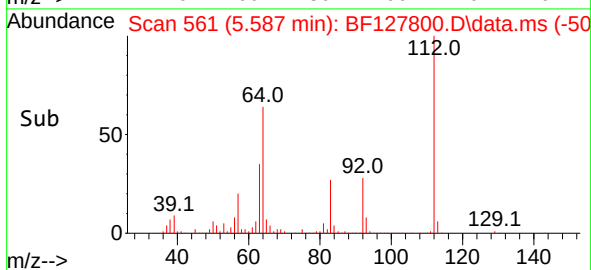
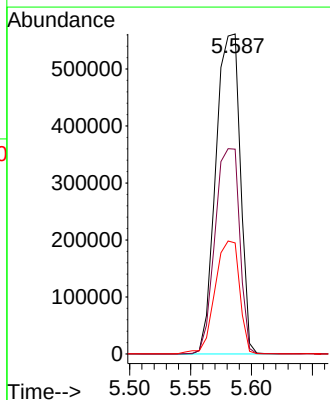
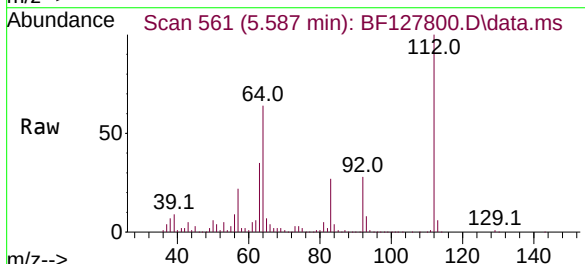
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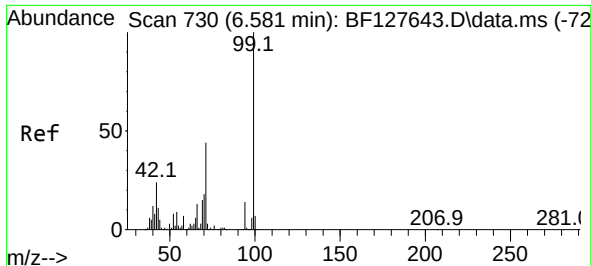
Tgt Ion:152 Resp: 131076
Ion Ratio Lower Upper
152 100
150 147.4 117.2 175.8
115 61.2 49.8 74.6



#5
2-Fluorophenol
Concen: 97.202 ng
RT: 5.587 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:112 Resp: 784101
Ion Ratio Lower Upper
112 100
64 64.0 58.4 87.6
63 34.7 30.1 45.1

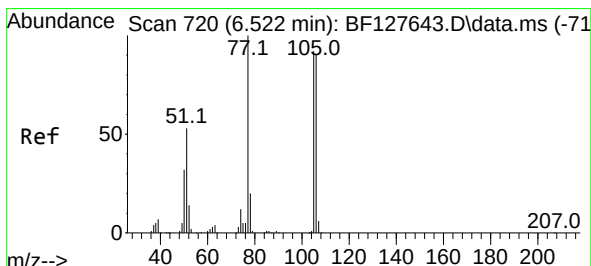
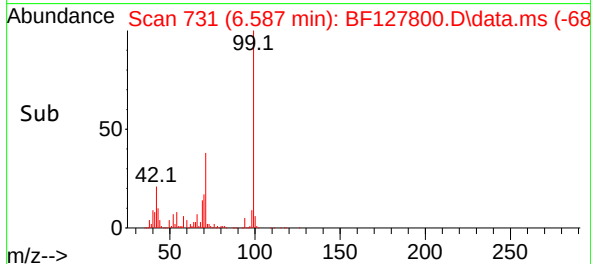
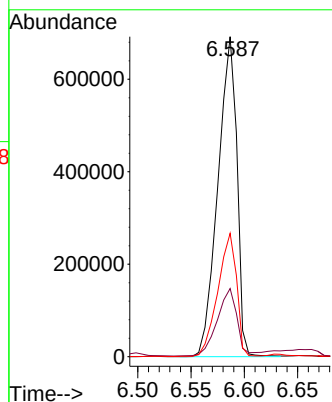
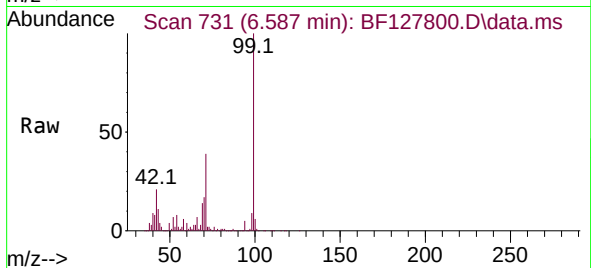




#7
Phenol-d6
Concen: 81.152 ng
RT: 6.587 min Scan# 717
Delta R.T. -0.000 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

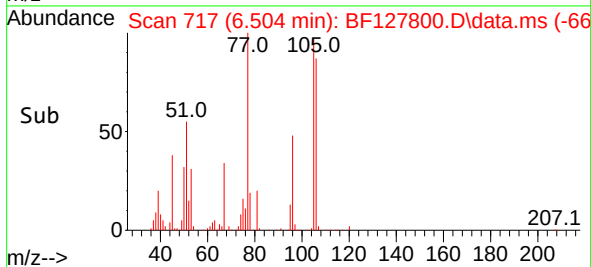
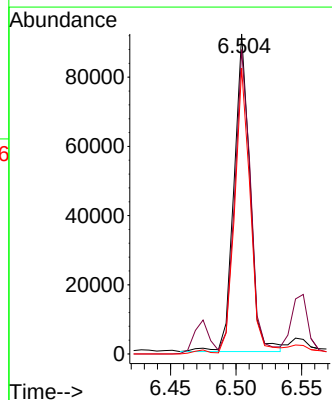
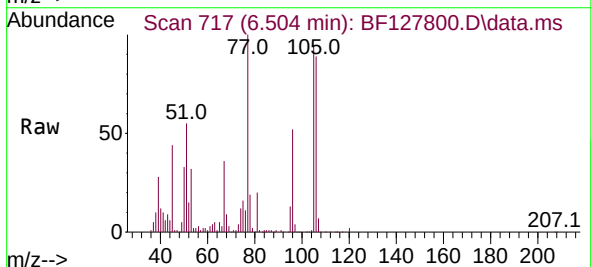
Instrument :
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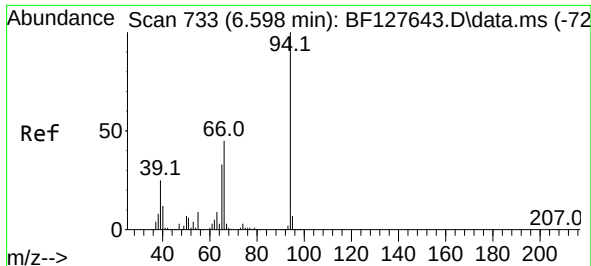
Tgt Ion: 99 Resp: 856392
Ion Ratio Lower Upper
99 100
42 21.3 17.8 26.6
71 38.5 29.6 44.4



#9
Benzaldehyde
Concen: 8.740 ng
RT: 6.504 min Scan# 717
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion: 77 Resp: 78134
Ion Ratio Lower Upper
77 100
105 95.1 66.8 106.8
106 89.3 64.3 104.3

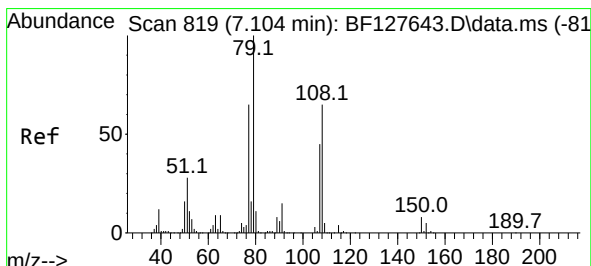
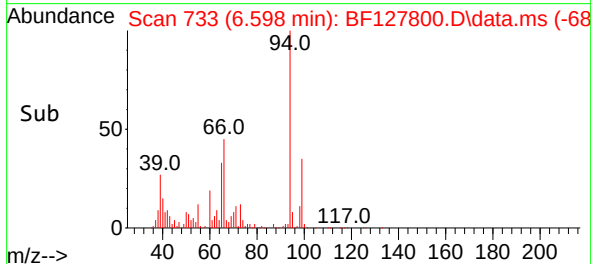
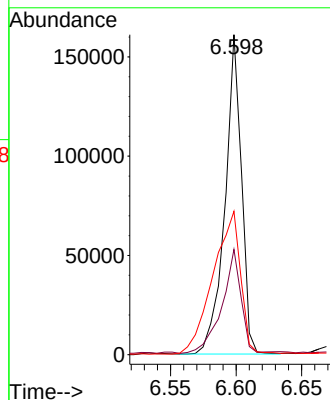
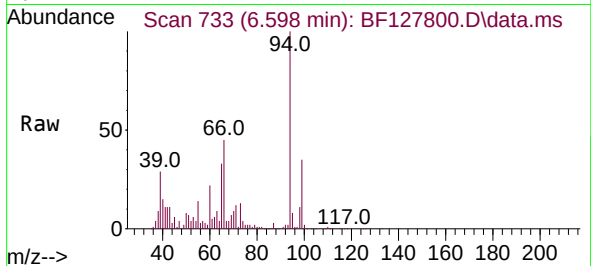




#10
Phenol
Concen: 13.349 ng
RT: 6.598 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

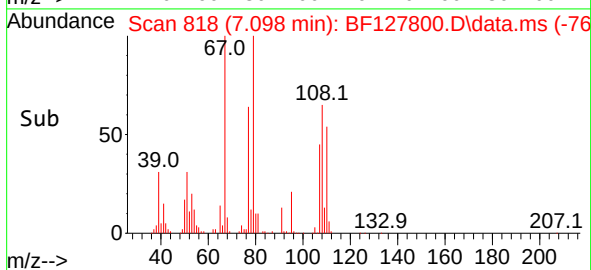
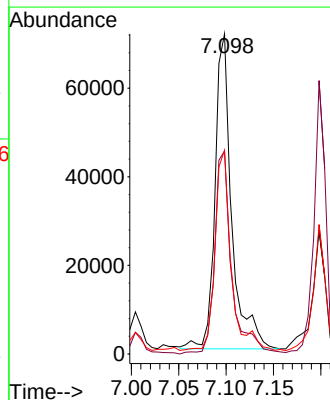
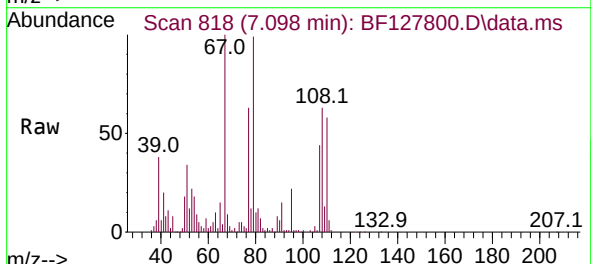
Instrument :
BNA_F
ClientSampleId :
33637-8RE

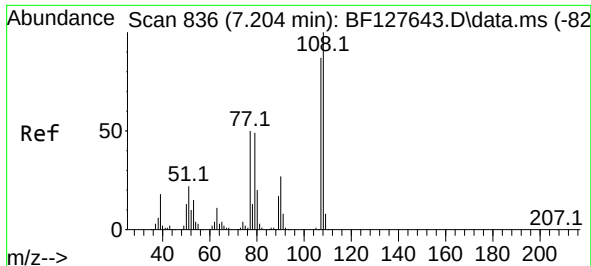
Tgt Ion: 94 Resp: 140858
Ion Ratio Lower Upper
94 100
65 32.9 13.1 53.1
66 44.8 24.9 64.9



#15
Benzyl Alcohol
Concen: 9.445 ng
RT: 7.098 min Scan# 818
Delta R.T. -0.000 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion: 79 Resp: 87137
Ion Ratio Lower Upper
79 100
108 63.4 52.2 78.2
77 63.6 48.3 72.5

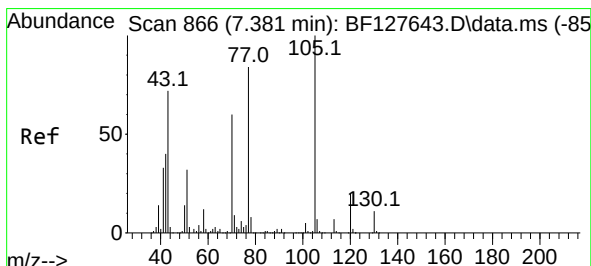
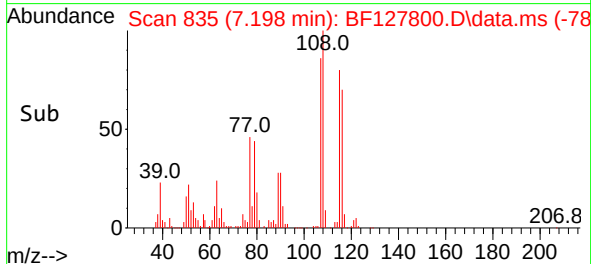
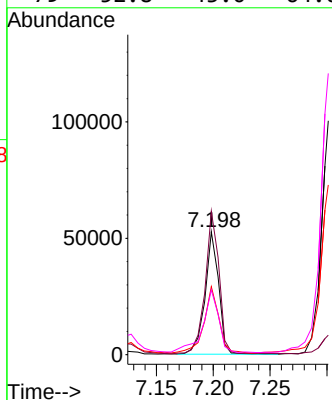
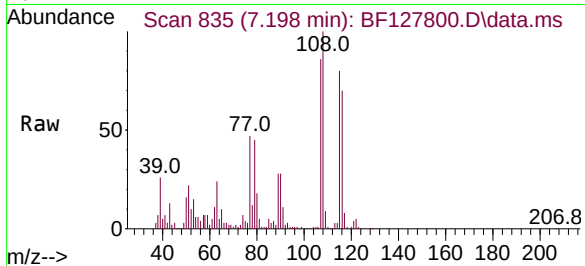




#17
2-Methylphenol
Concen: 6.123 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

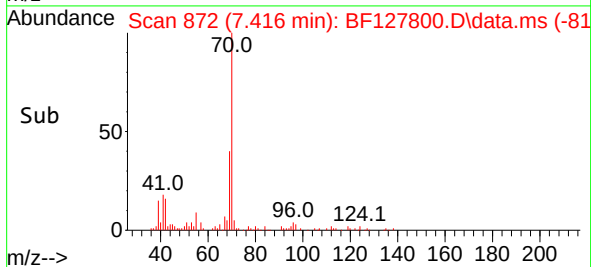
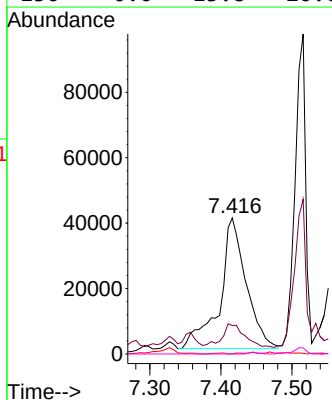
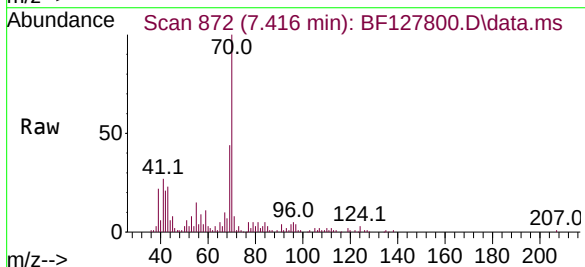
Instrument :
BNA_F
ClientSampleId :
33637-8RE

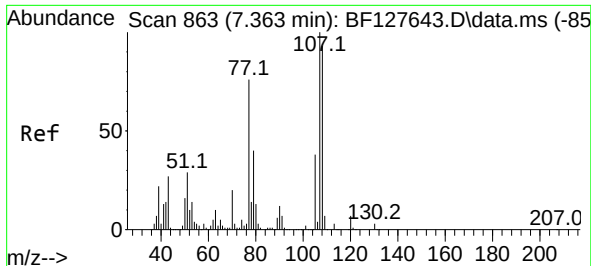
Tgt Ion:	107	Resp:	43586
Ion	Ratio	Lower	Upper
107	100		
108	116.9	90.7	136.1
77	55.3	42.9	64.3
79	52.8	43.0	64.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.172 ng
RT: 7.416 min Scan# 872
Delta R.T. 0.041 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:	70	Resp:	103557
Ion	Ratio	Lower	Upper
70	100		
42	21.0	53.0	79.6#
101	0.0	6.8	10.2#
130	0.0	13.8	20.6#

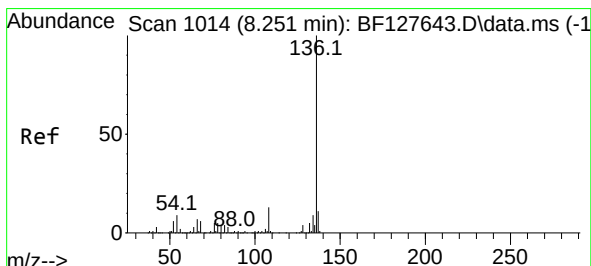
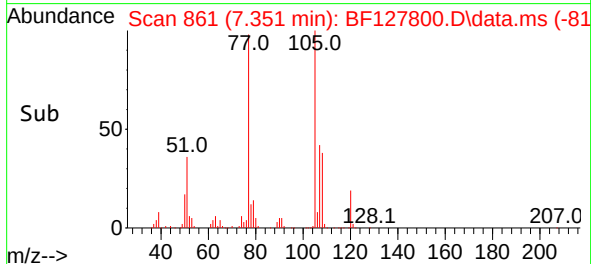
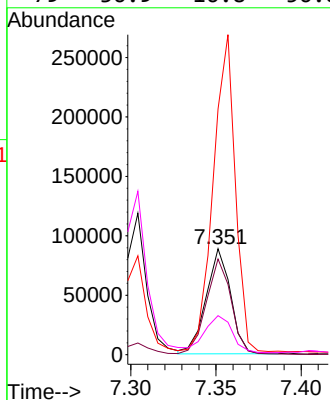
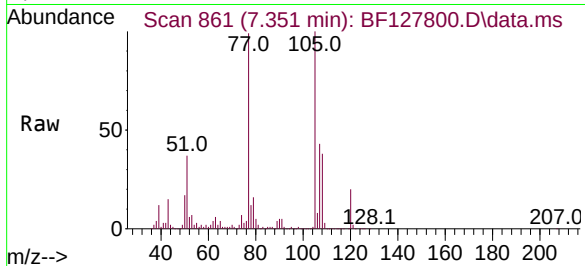




#20
3+4-Methylphenols
Concen: 9.749 ng
RT: 7.351 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

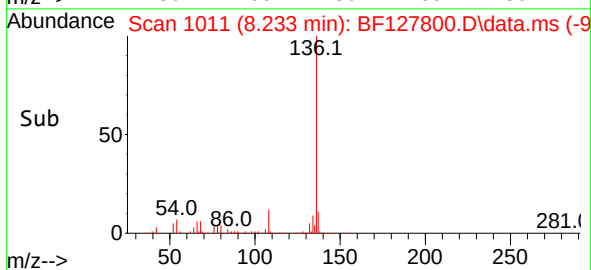
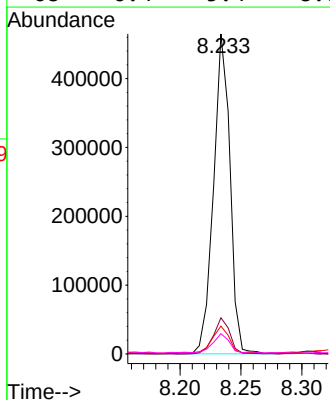
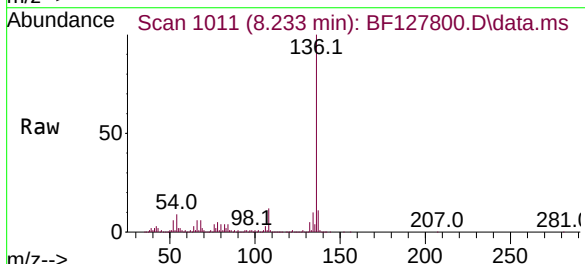
Instrument :
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33637-8RE

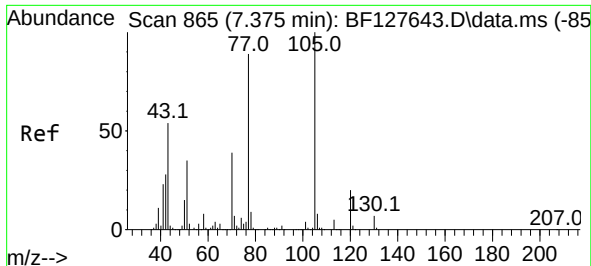
Tgt Ion:107 Resp: 88429
Ion Ratio Lower Upper
107 100
108 90.2 70.7 110.7
77 231.8 127.9 167.9#
79 36.9 16.8 56.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

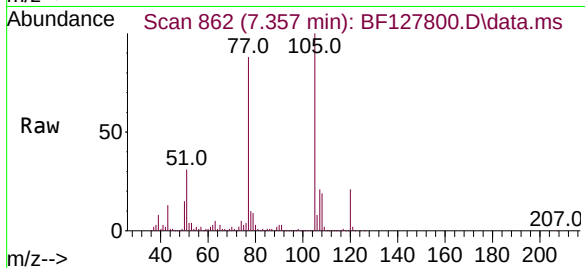
Tgt Ion:136 Resp: 436090
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.7 9.2 13.8#
68 6.4 5.4 8.0



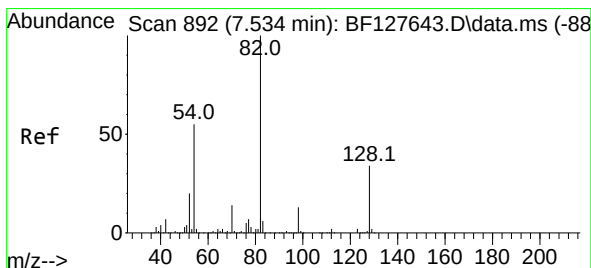
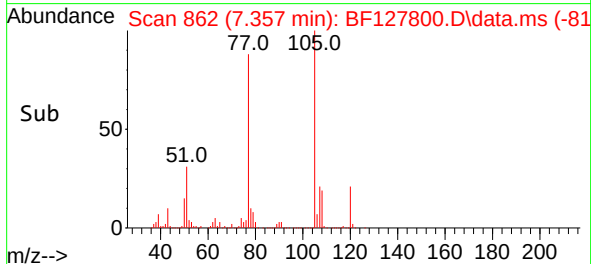
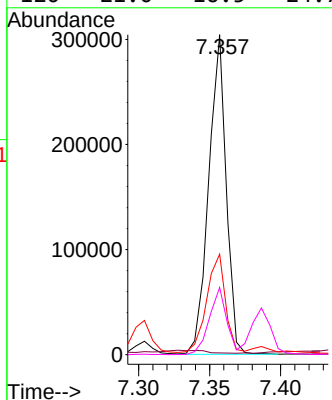


#22
Acetophenone
Concen: 22.301 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.018 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Instrument :
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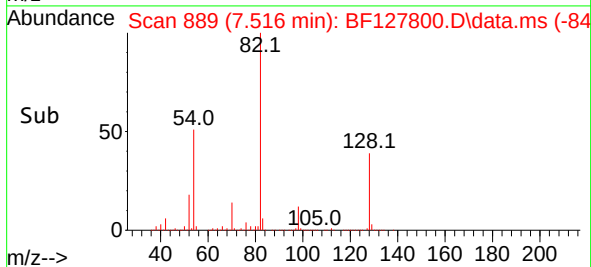
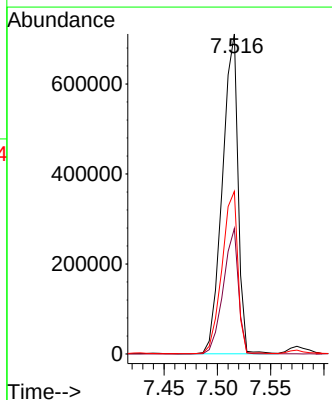
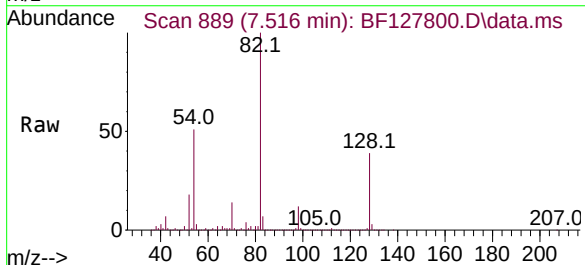


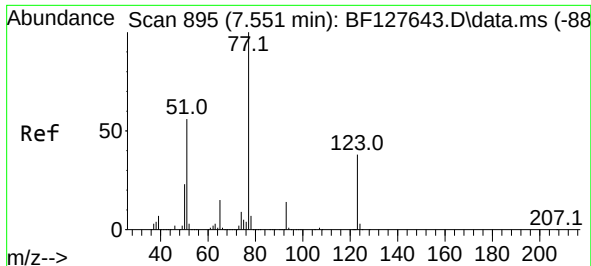
Tgt Ion:105 Resp: 261329
Ion Ratio Lower Upper
105 100
71 0.5 7.3 10.9#
51 31.4 38.8 58.2#
120 21.0 16.5 24.7



#23
Nitrobenzene-d5
Concen: 73.992 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion: 82 Resp: 723781
Ion Ratio Lower Upper
82 100
128 39.2 30.6 45.8
54 50.8 48.2 72.2

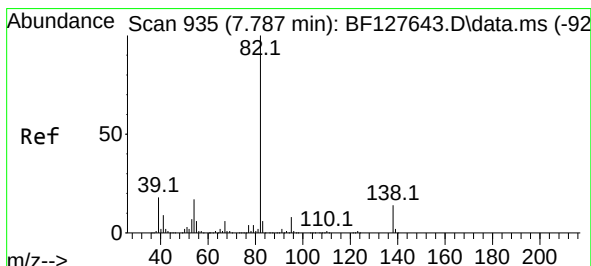
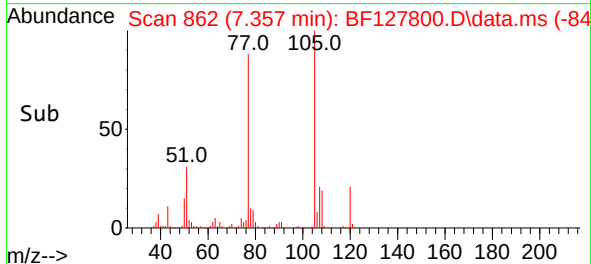
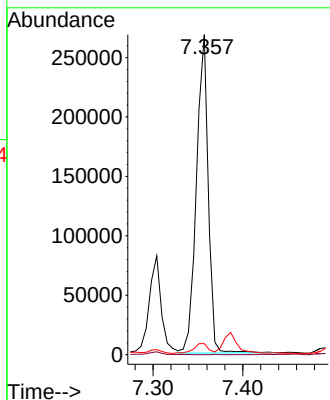
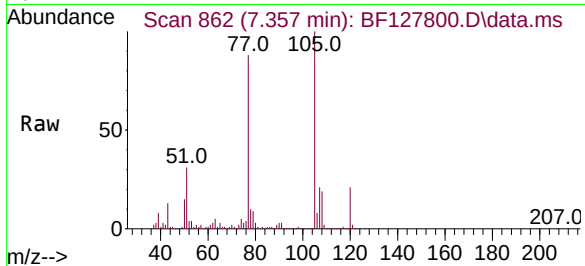




#24
Nitrobenzene
Concen: 25.857 ng
RT: 7.357 min Scan# 80
Delta R.T. -0.188 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

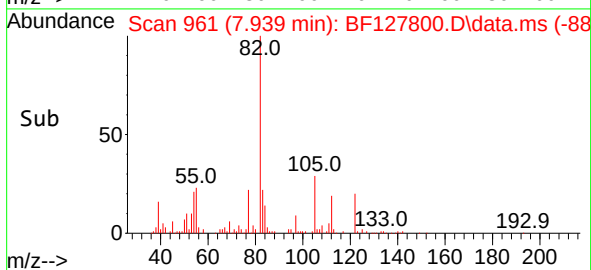
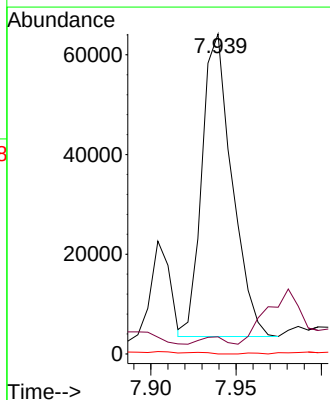
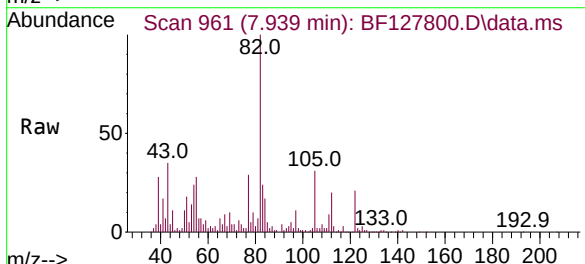
Instrument :
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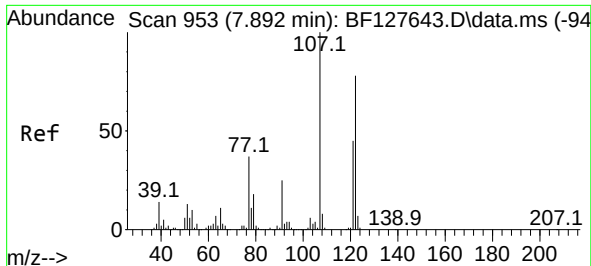
Tgt Ion: 77 Resp: 245185
Ion Ratio Lower Upper
77 100
123 0.0 32.0 48.0#
65 3.4 12.2 18.2#



#25
Isophorone
Concen: 4.351 ng
RT: 7.939 min Scan# 961
Delta R.T. 0.153 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion: 82 Resp: 74272
Ion Ratio Lower Upper
82 100
95 5.4 5.8 8.8#
138 0.0 11.6 17.4#





#27

2,4-Dimethylphenol

Concen: 2.827 ng

RT: 7.886 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF127800.D

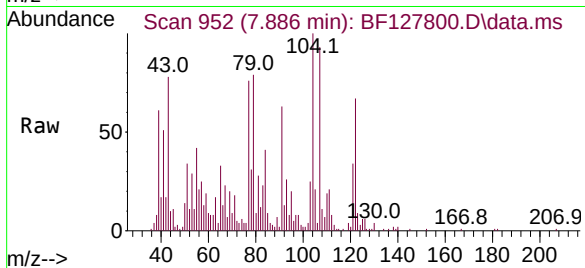
Acq: 15 Apr 2022 12:45

Instrument :

BNA_F

ClientSampleId :

33637-8RE



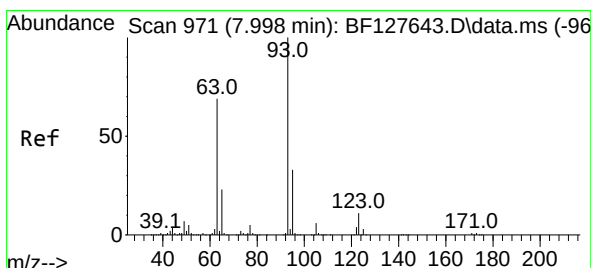
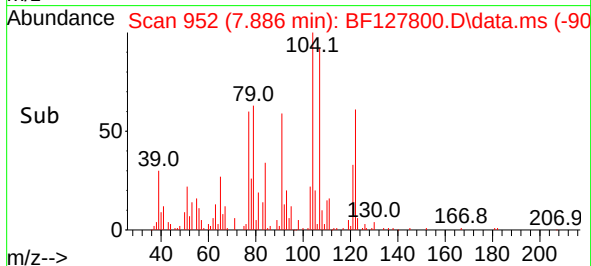
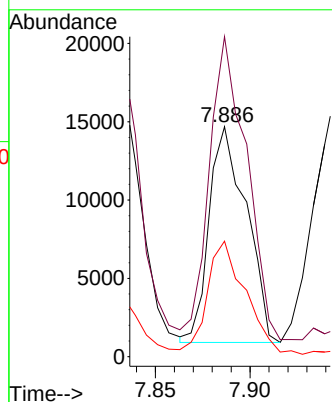
Tgt Ion:122 Resp: 18860

Ion Ratio Lower Upper

122 100

107 139.1 93.0 139.4

121 50.2 44.9 67.3



#28

bis(2-Chloroethoxy)methane

Concen: 5.810 ng

RT: 7.992 min Scan# 970

Delta R.T. 0.006 min

Lab File: BF127800.D

Acq: 15 Apr 2022 12:45

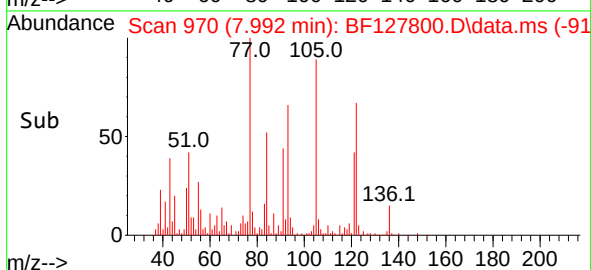
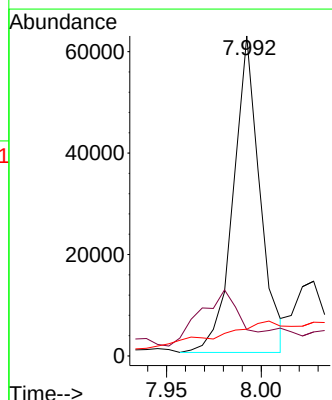
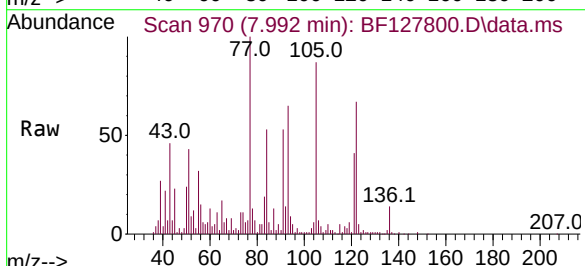
Tgt Ion: 93 Resp: 61147

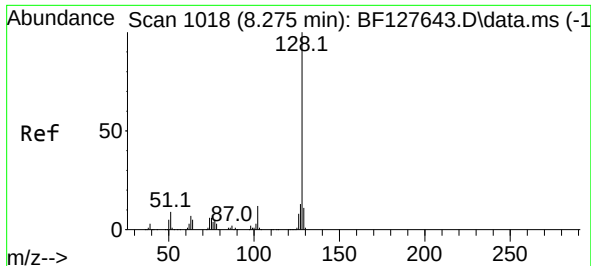
Ion Ratio Lower Upper

93 100

95 8.2 26.3 39.5#

123 8.3 8.0 12.0

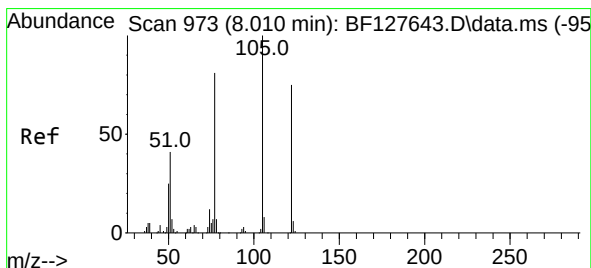
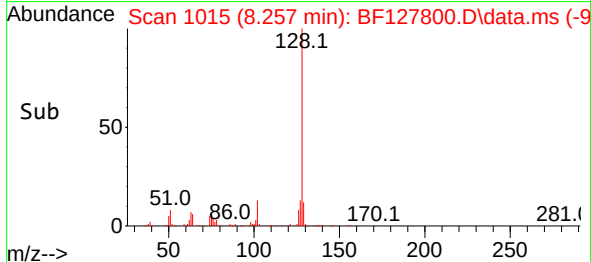
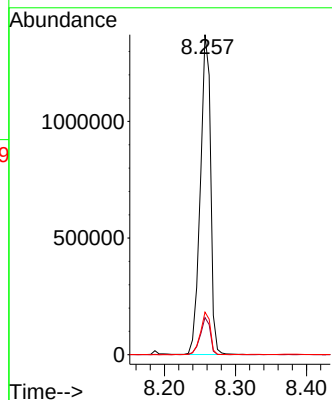
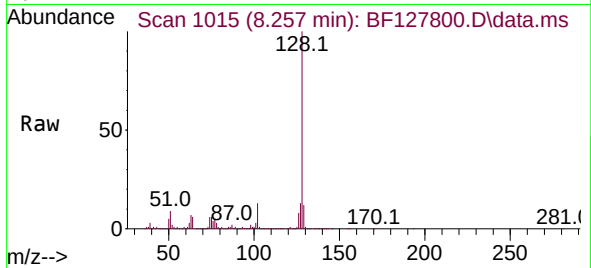




#31
Naphthalene
Concen: 60.411 ng
RT: 8.257 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

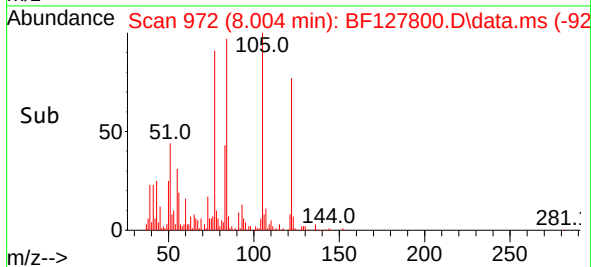
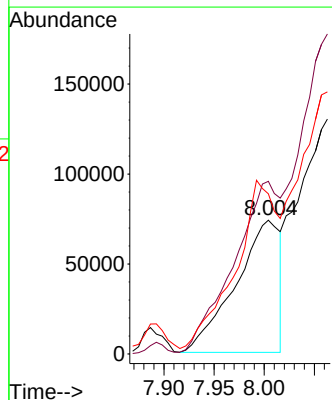
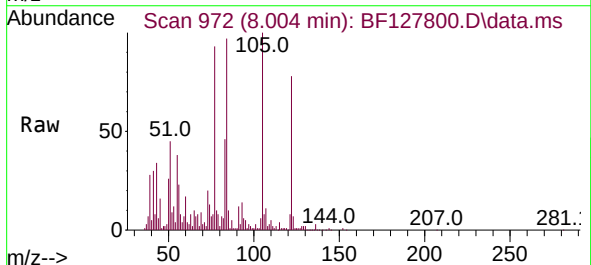
Instrument :
BNA_F
ClientSampleId :
33637-8RE

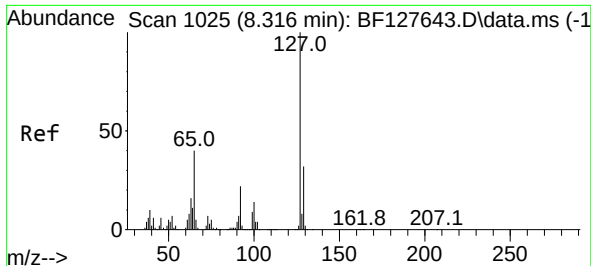
Tgt Ion:128 Resp: 1380471
Ion Ratio Lower Upper
128 100
129 11.6 8.4 12.6
127 13.3 10.2 15.2



#32
Benzoic acid
Concen: 46.746 ng
RT: 8.004 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:122 Resp: 226273
Ion Ratio Lower Upper
122 100
105 129.0 117.1 157.1
77 119.8 93.0 133.0



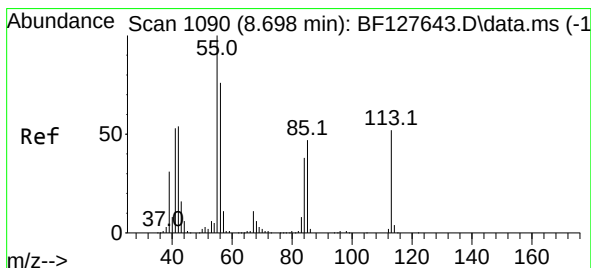
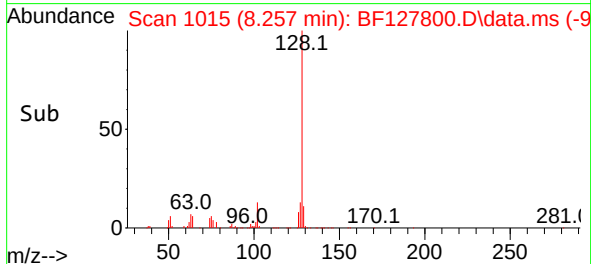
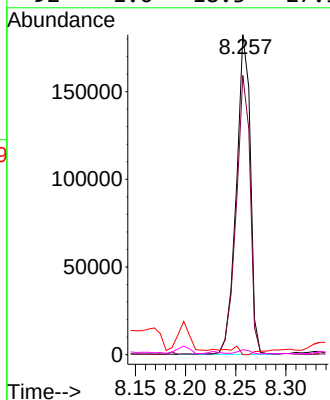
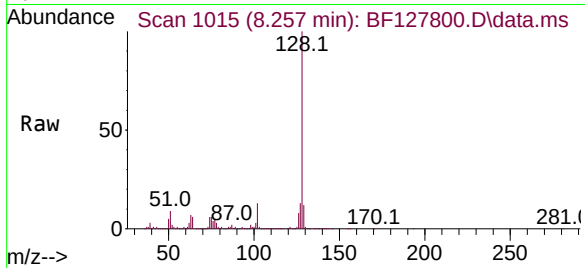


#33
4-Chloroaniline
Concen: 19.753 ng
RT: 8.257 min Scan# 1015
Delta R.T. -0.053 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Instrument :
BNA_F
ClientSampleId :
33637-8RE

Tgt Ion:127 Resp: 177769

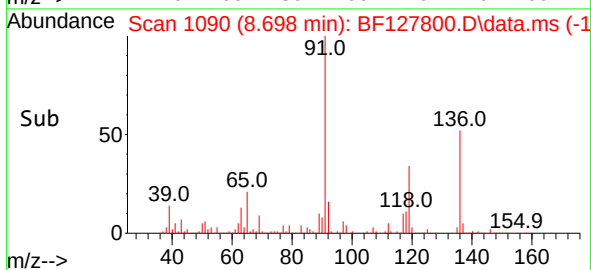
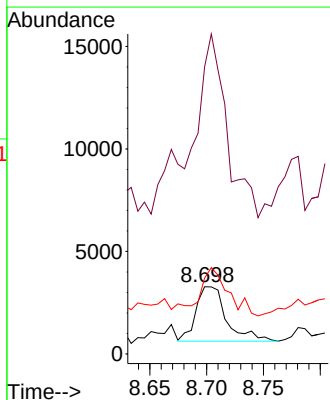
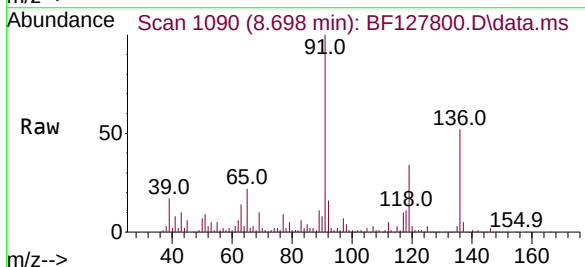
Ion	Ratio	Lower	Upper
127	100		
129	87.2	25.9	38.9#
65	0.0	31.4	47.0#
92	1.6	18.3	27.5#

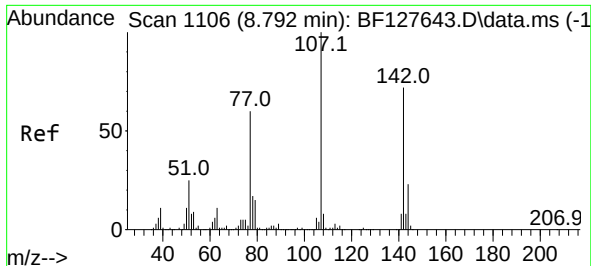


#35
Caprolactam
Concen: 2.337 ng
RT: 8.698 min Scan# 1090
Delta R.T. -0.000 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:113 Resp: 4964

Ion	Ratio	Lower	Upper
113	100		
55	427.4	218.7	258.7#
56	112.9	156.2	196.2#

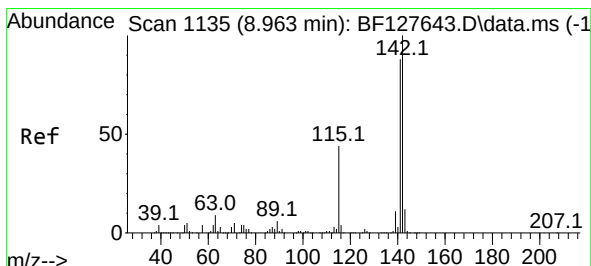
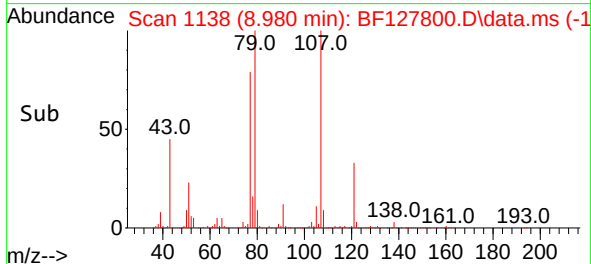
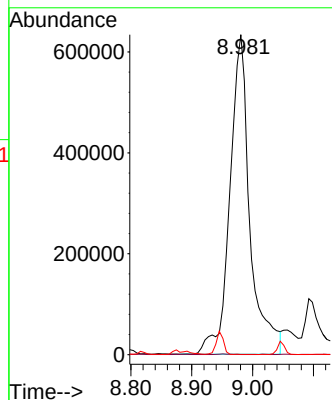
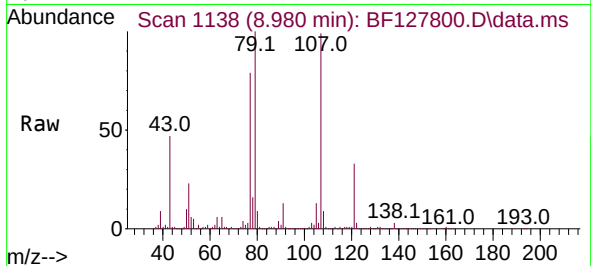




#36
4-Chloro-3-methylphenol
Concen: 192.230 ng
RT: 8.980 min Scan# 1106
Delta R.T. 0.188 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

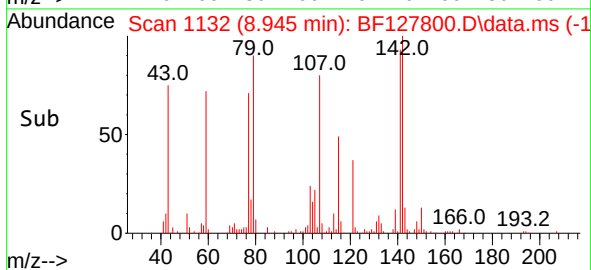
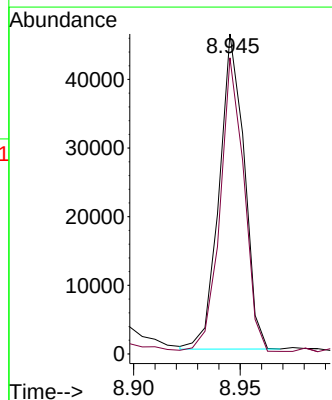
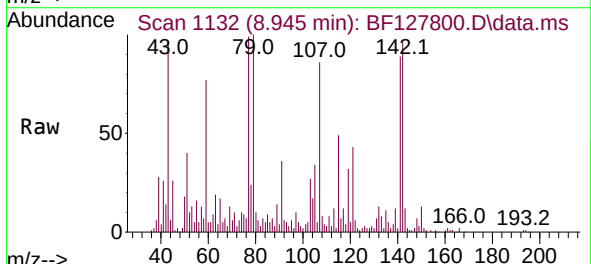
Instrument :
BNA_F
ClientSampleId :
33637-8RE

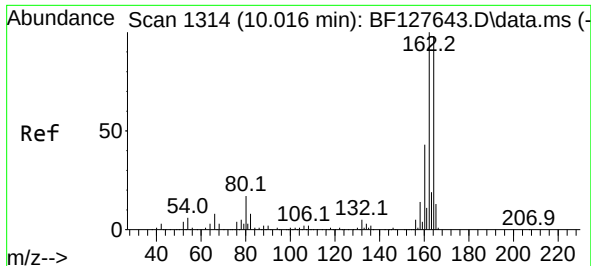
Tgt Ion:107 Resp: 1448480
Ion Ratio Lower Upper
107 100
144 0.0 19.3 28.9#
142 0.1 59.8 89.8#



#37
2-Methylnaphthalene
Concen: 2.449 ng
RT: 8.945 min Scan# 1132
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:142 Resp: 37429
Ion Ratio Lower Upper
142 100
141 92.5 70.6 106.0

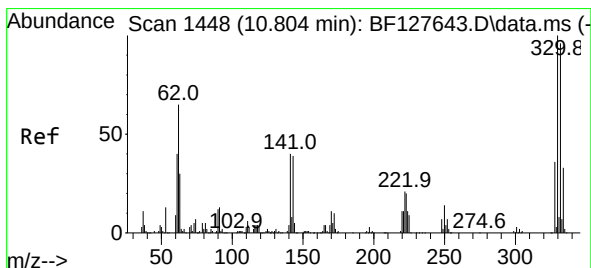
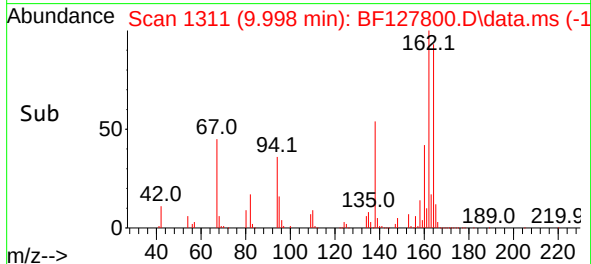
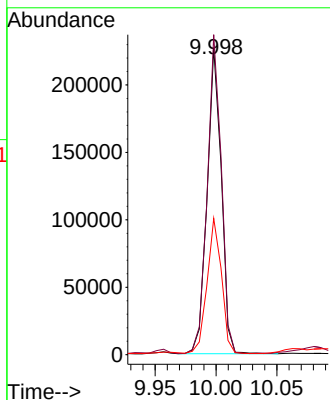
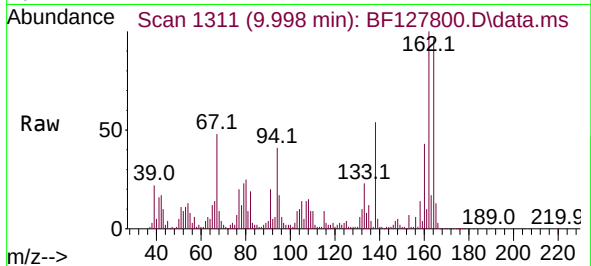




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

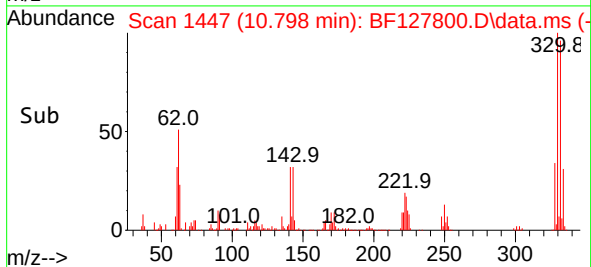
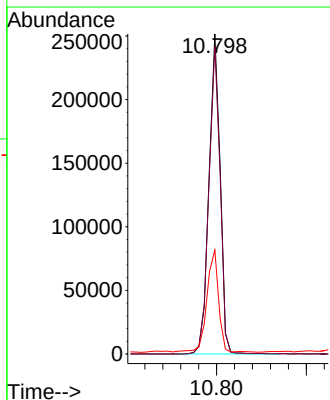
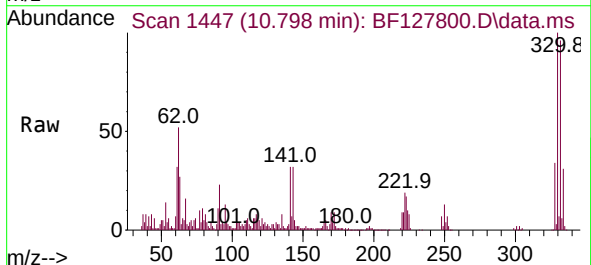
Instrument :
BNA_F
ClientSampleId :
33637-8RE

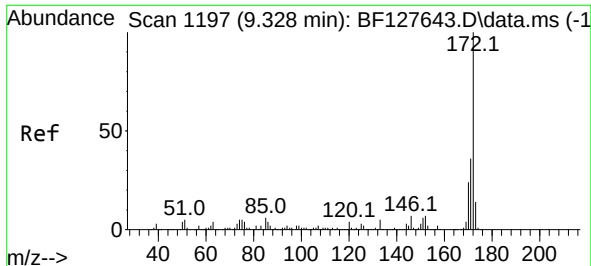
Tgt Ion:164 Resp: 183452
Ion Ratio Lower Upper
164 100
162 104.3 81.2 121.8
160 44.4 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 111.147 ng
RT: 10.798 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:330 Resp: 216982
Ion Ratio Lower Upper
330 100
332 96.9 79.1 118.7
141 32.9 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 91.210 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127800.D

Acq: 15 Apr 2022 12:45

Instrument :

BNA_F

ClientSampleId :

33637-8RE

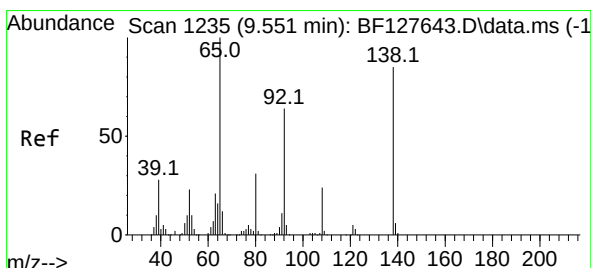
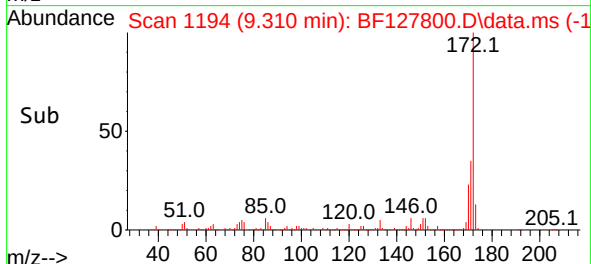
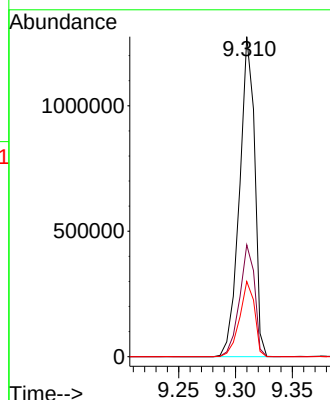
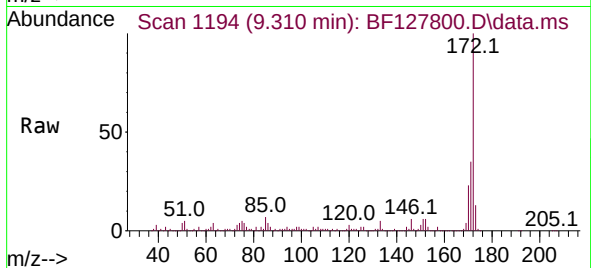
Tgt Ion:172 Resp: 1182799

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.5 18.6 27.8



#48

2-Nitroaniline

Concen: 100.636 ng

RT: 9.528 min Scan# 1231

Delta R.T. -0.018 min

Lab File: BF127800.D

Acq: 15 Apr 2022 12:45

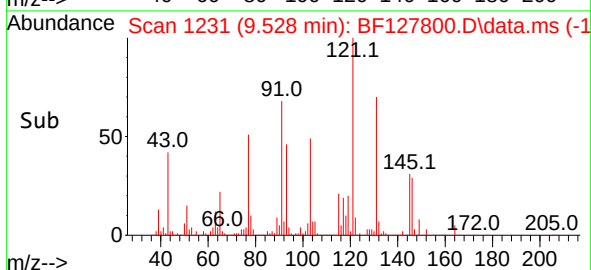
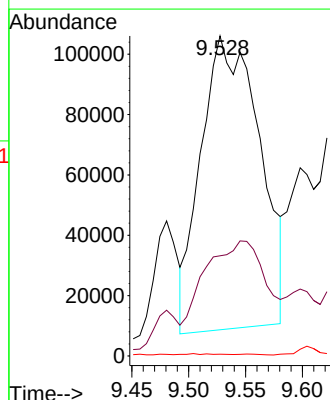
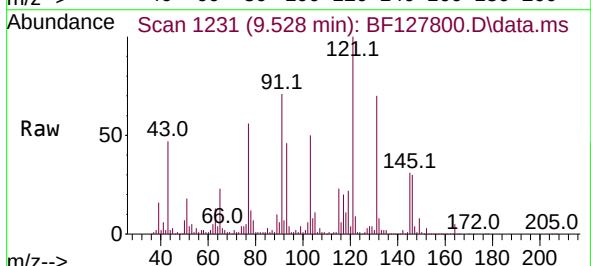
Tgt Ion: 65 Resp: 348484

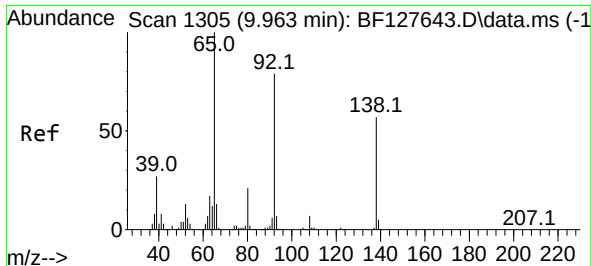
Ion Ratio Lower Upper

65 100

92 31.3 50.0 75.0#

138 0.5 64.1 96.1#

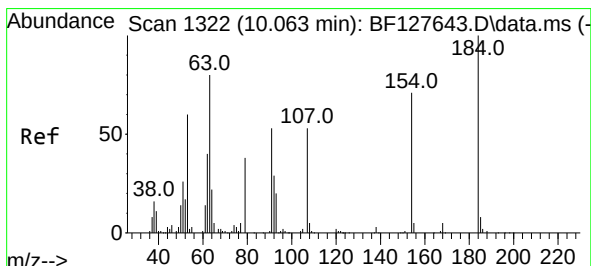
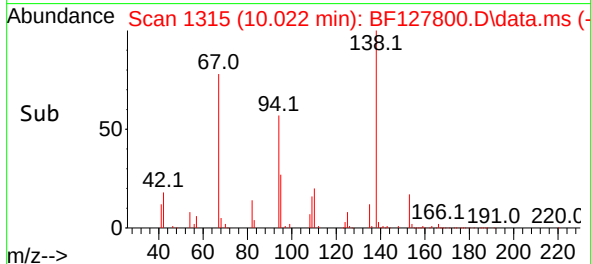
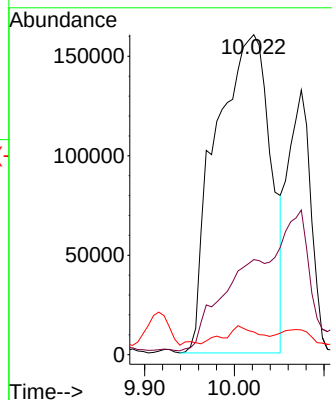
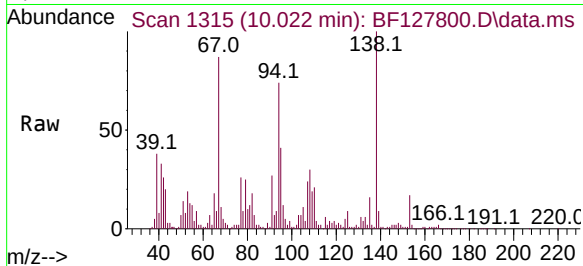




#53
3-Nitroaniline
Concen: 257.397 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

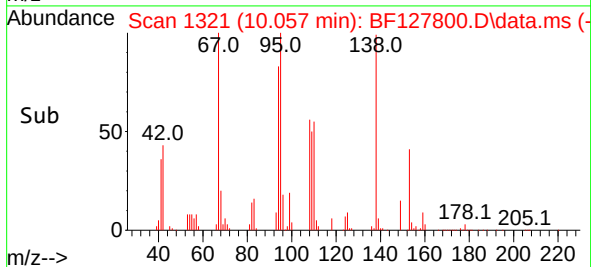
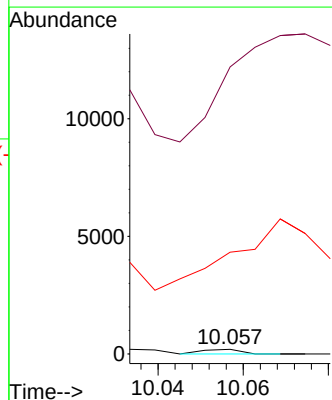
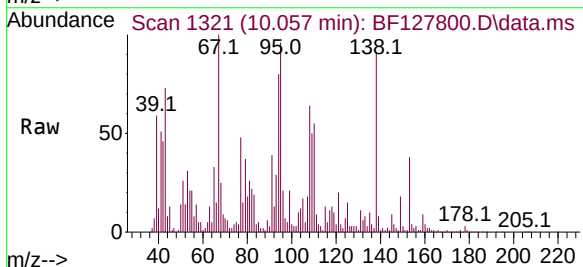
Instrument :
BNA_F
ClientSampleId :
33637-8RE

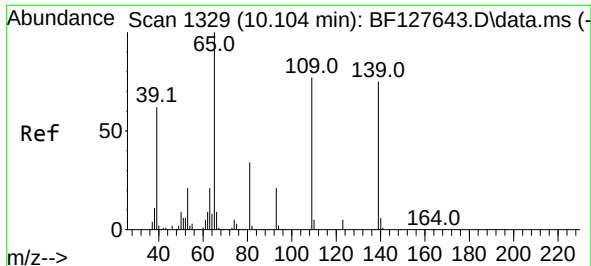
Tgt Ion:138 Resp: 681585
Ion Ratio Lower Upper
138 100
108 29.7 9.4 14.0#
92 7.1 106.1 159.1#



#54
2,4-Dinitrophenol
Concen: 5.403 ng
RT: 10.057 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:184 Resp: 126
Ion Ratio Lower Upper
184 100
63 6135.2 58.1 87.1#
154 2173.9 53.2 79.8#

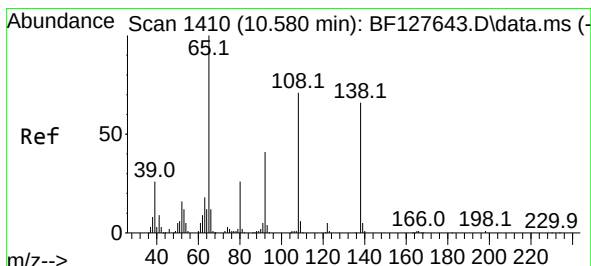
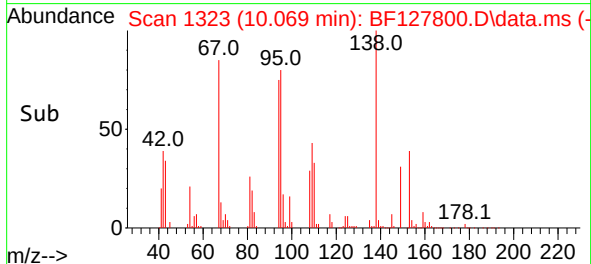
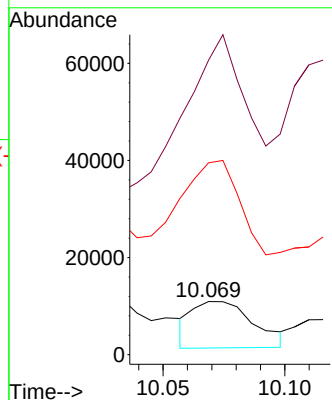
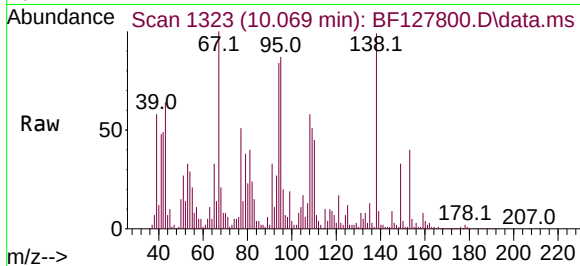




#56
4-Nitrophenol
Concen: 8.044 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

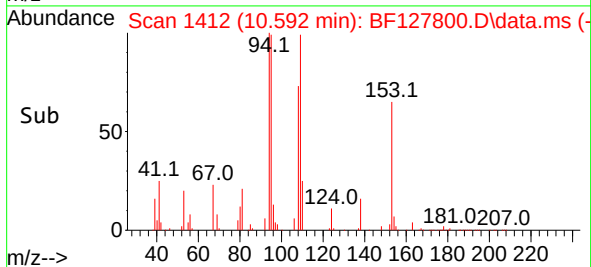
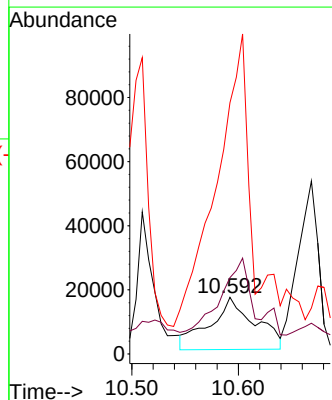
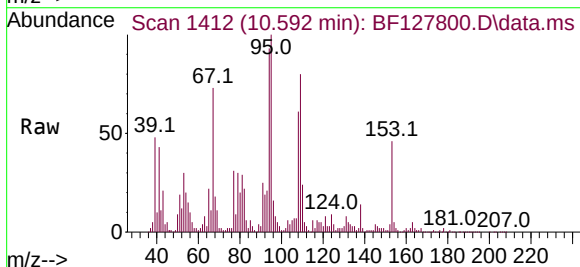
Instrument :
BNA_F
ClientSampleId :
33637-8RE

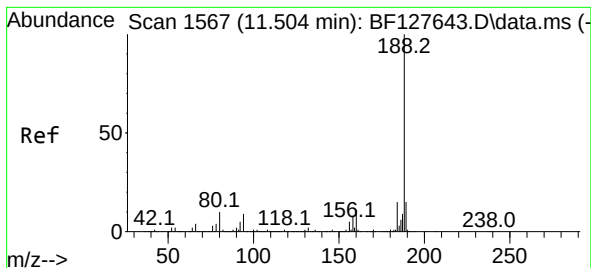
Tgt Ion:139 Resp: 16731
Ion Ratio Lower Upper
139 100
109 553.4 64.3 104.3#
65 360.7 117.5 157.5#



#62
4-Nitroaniline
Concen: 19.246 ng
RT: 10.592 min Scan# 1412
Delta R.T. 0.017 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Tgt Ion:138 Resp: 47997
Ion Ratio Lower Upper
138 100
92 134.8 40.5 80.5#
108 443.7 69.2 109.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127800.D

Acq: 15 Apr 2022 12:45

Instrument :

BNA_F

ClientSampleId :

33637-8RE

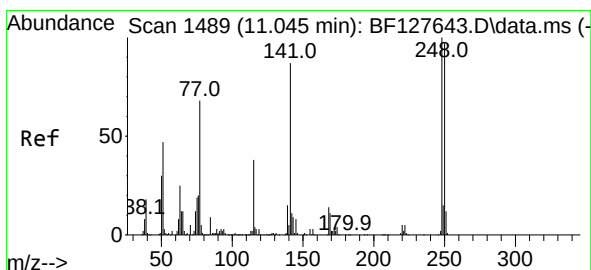
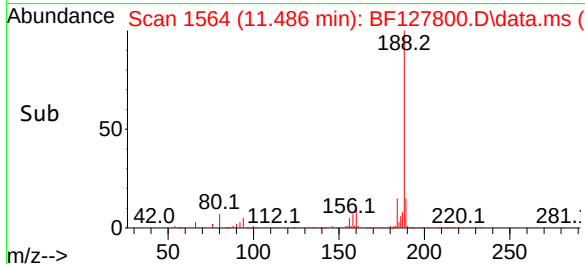
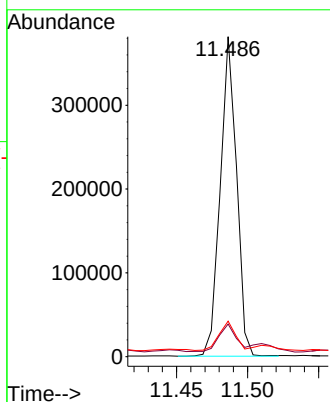
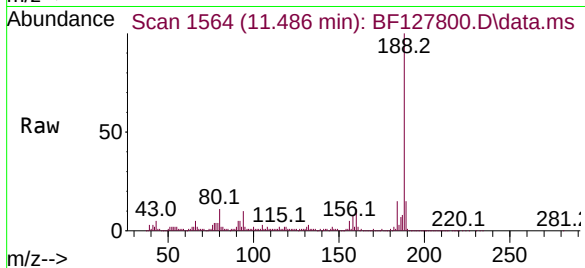
Tgt Ion:188 Resp: 303888

Ion Ratio Lower Upper

188 100

94 10.2 7.4 11.0

80 11.1 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 3.757 ng

RT: 10.798 min Scan# 1447

Delta R.T. -0.241 min

Lab File: BF127800.D

Acq: 15 Apr 2022 12:45

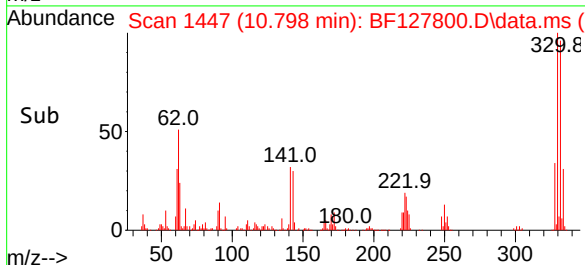
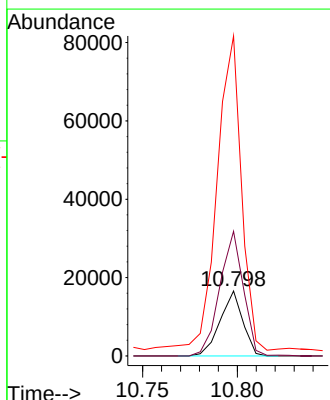
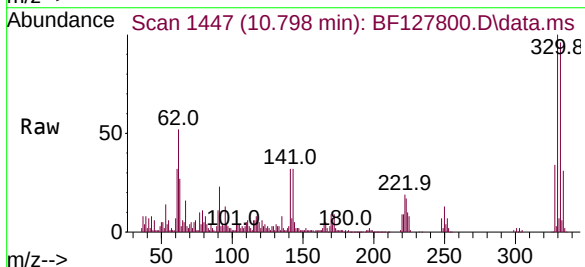
Tgt Ion:248 Resp: 13855

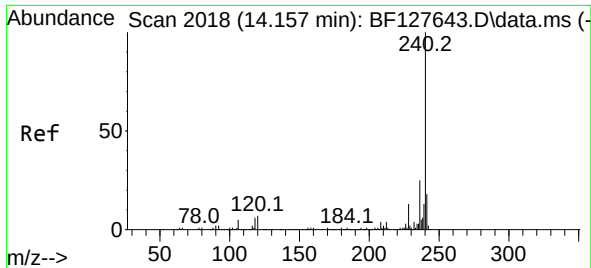
Ion Ratio Lower Upper

248 100

250 191.9 76.6 115.0#

141 492.2 52.2 78.2#

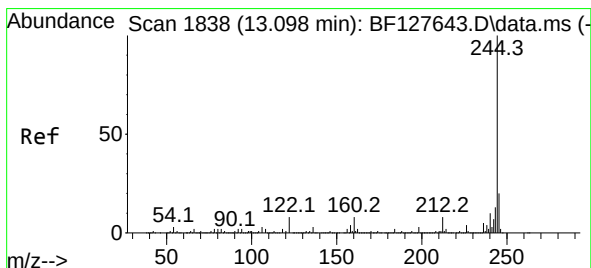
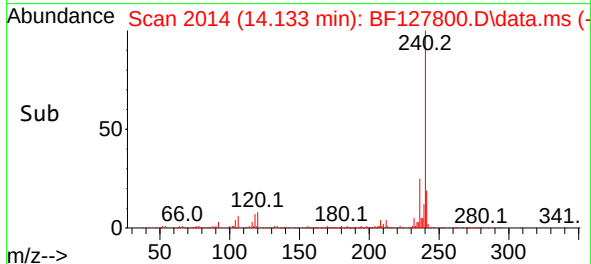
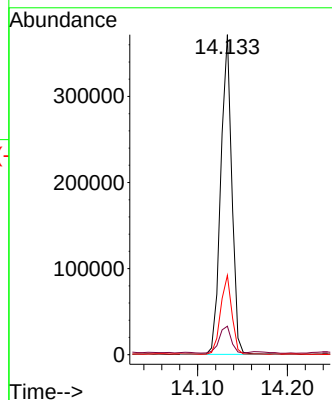
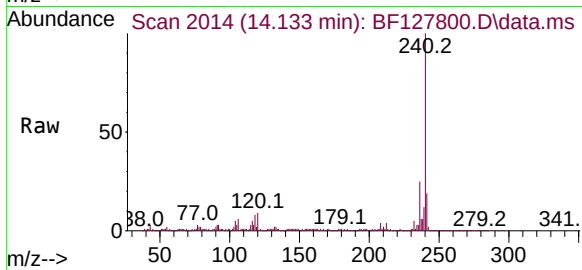




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

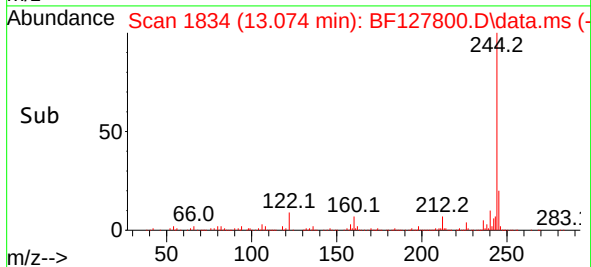
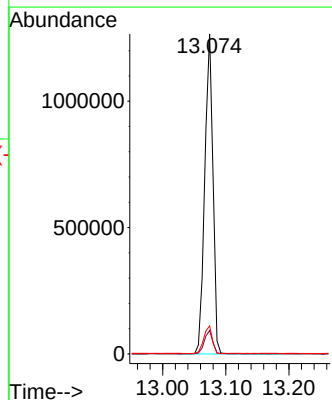
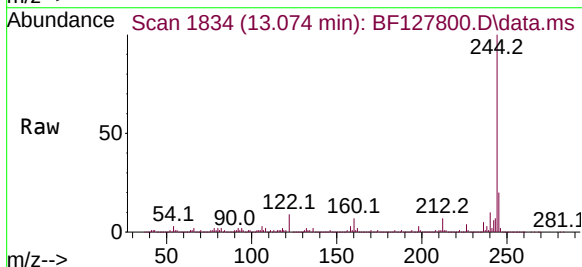
Instrument :
BNA_F
ClientSampleId :
33637-8RE

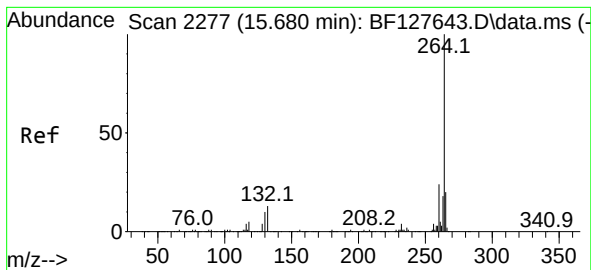
Tgt Ion:240 Resp: 316457
Ion Ratio Lower Upper
240 100
120 8.9 7.1 10.7
236 24.8 20.7 31.1



#79
Terphenyl-d14
Concen: 59.428 ng
RT: 13.074 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

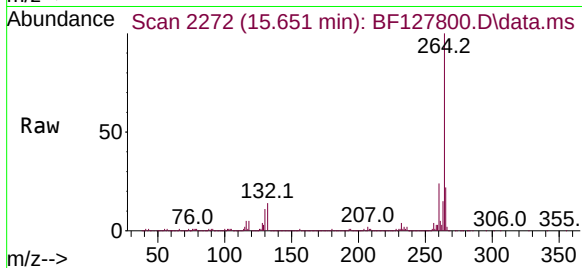
Tgt Ion:244 Resp: 1139363
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 8.8 6.2 9.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127800.D
Acq: 15 Apr 2022 12:45

Instrument :
BNA_F
ClientSampleId :
33637-8RE



Tgt Ion:264 Resp: 351057

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	22.1	17.4	26.2

