

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040122\
 Data File : BF127627.D
 Acq On : 01 Apr 2022 22:25
 Operator : CG\JU
 Sample : N2220-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A03140

Quant Time: Apr 01 23:54:56 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)

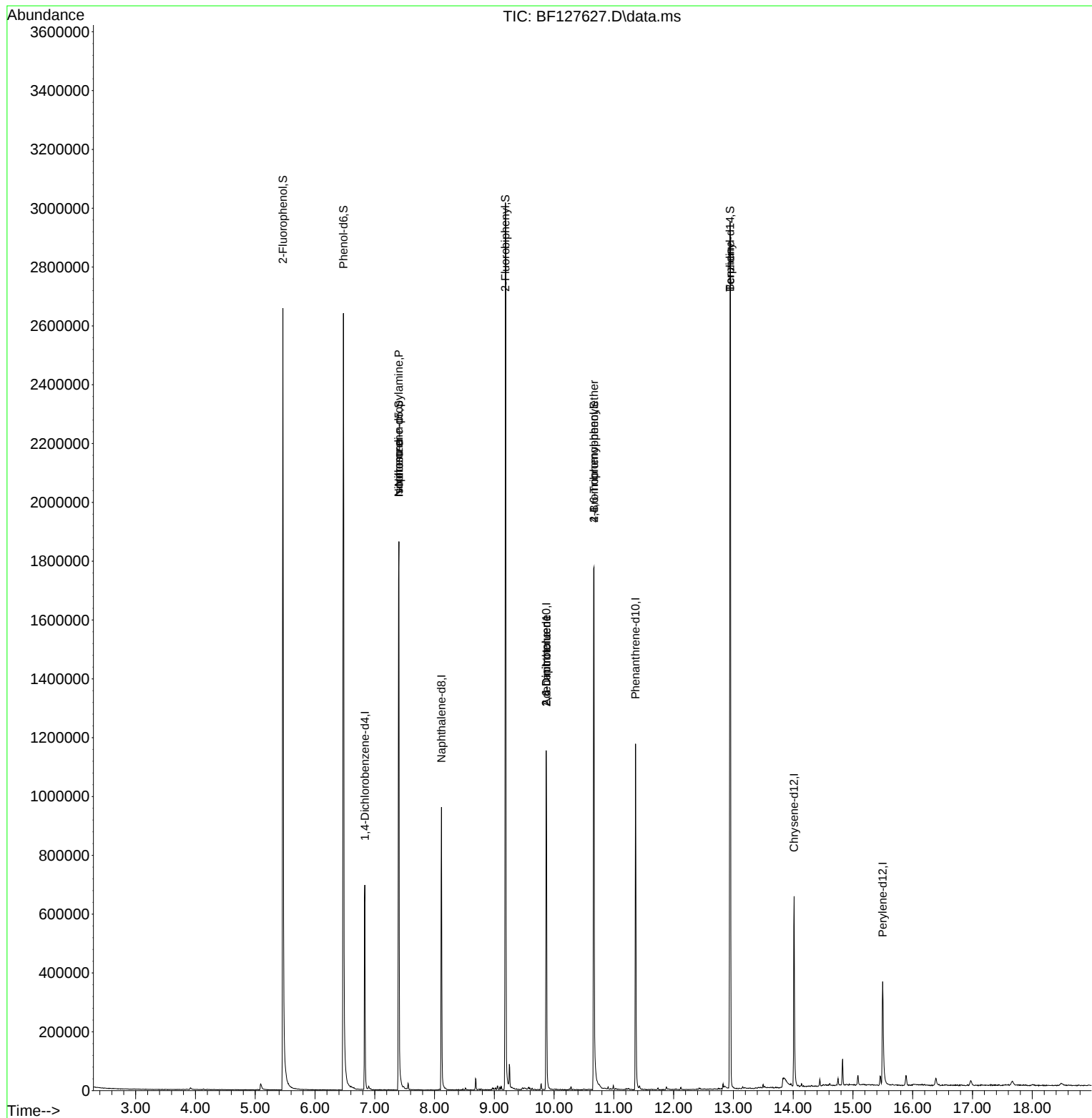
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	103212	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	398356	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	234034	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	420137	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	251220	20.000	ng	0.00
86) Perylene-d12	15.498	264	200186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	701382	108.472	ng	0.00
7) Phenol-d6	6.475	99	953595	107.890	ng	0.00
23) Nitrobenzene-d5	7.404	82	642199	68.911	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	237358	95.208	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1038155	64.775	ng	0.00
79) Terphenyl-d14	12.945	244	1139658	74.263	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.475	77	1609	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.404	70	83874	15.831	ng	# 80
25) Isophorone	7.404	82	642193	43.266	ng	# 70
51) 2,6-Dinitrotoluene	9.869	165	29085	8.510	ng	# 17
55) Dibenzofuran	10.104	168	63	Below Cal	#	45
57) 2,4-Dinitrotoluene	9.869	165	29085	6.612	ng	# 14
58) Fluorene	10.663	166	9317	Below Cal	#	80
67) 4-Bromophenyl-phenylether	10.669	248	15947	3.251	ng	# 1
77) Benzidine	12.945	184	14412	2.406	ng	# 95

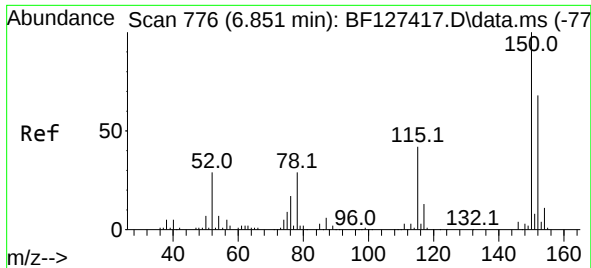
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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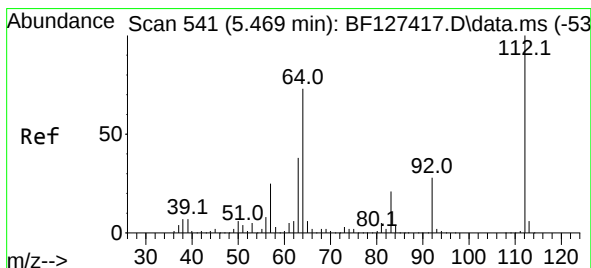
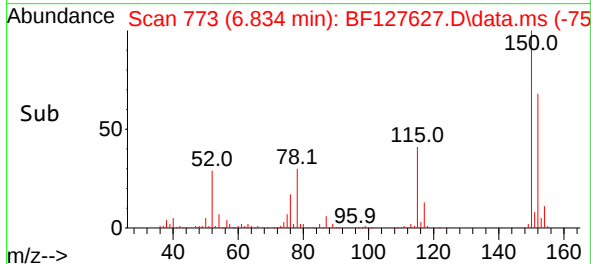
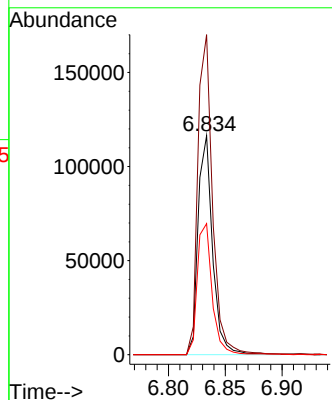
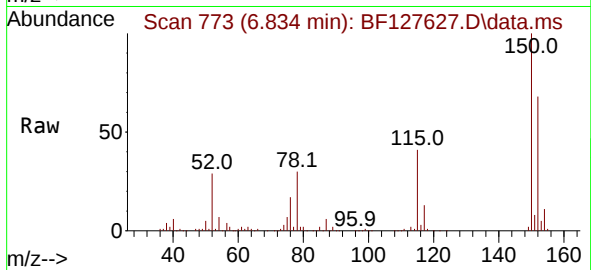




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

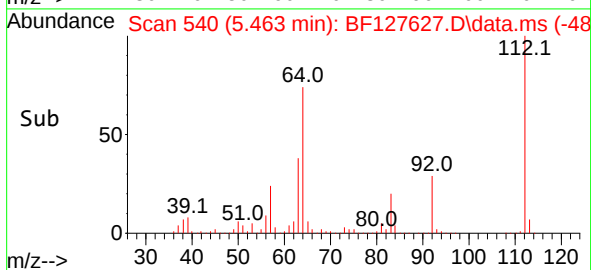
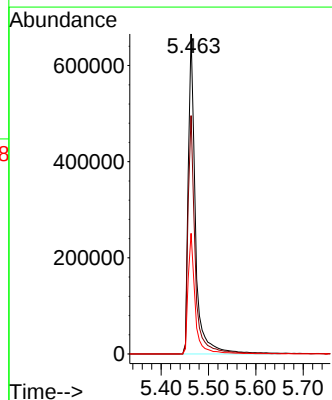
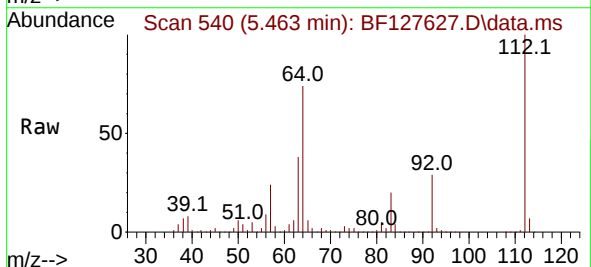
Instrument :
BNA_F
ClientSampleId :
A03140

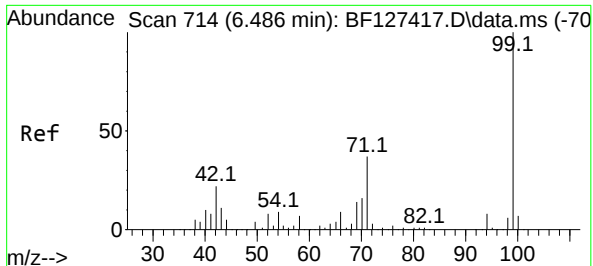
Tgt Ion:152 Resp: 103212
Ion Ratio Lower Upper
152 100
150 146.1 117.2 175.8
115 59.8 49.8 74.6



#5
2-Fluorophenol
Concen: 108.472 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

Tgt Ion:112 Resp: 701382
Ion Ratio Lower Upper
112 100
64 74.5 58.4 87.6
63 37.7 30.1 45.1





#7

Phenol-d6

Concen: 107.890 ng

RT: 6.475 min Scan# 712

Delta R.T. -0.006 min

Lab File: BF127627.D

Acq: 01 Apr 2022 22:25

Instrument :

BNA_F

ClientSampleId :

A03140

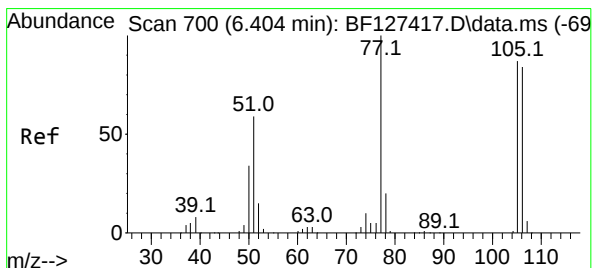
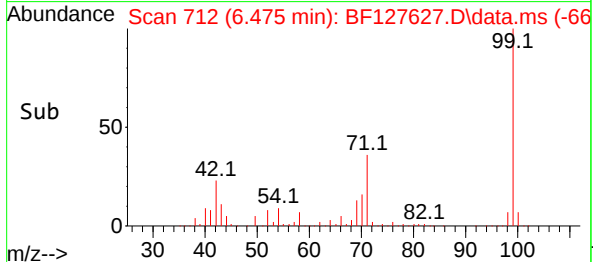
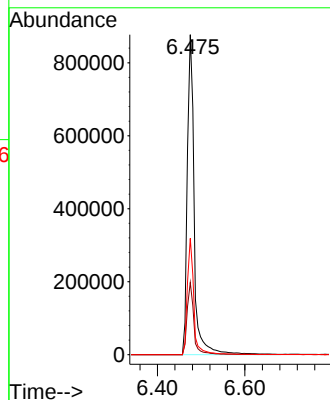
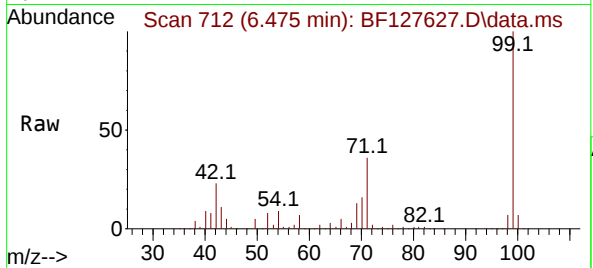
Tgt Ion: 99 Resp: 953595

Ion Ratio Lower Upper

99 100

42 22.6 17.8 26.6

71 36.4 29.6 44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.475 min Scan# 712

Delta R.T. 0.082 min

Lab File: BF127627.D

Acq: 01 Apr 2022 22:25

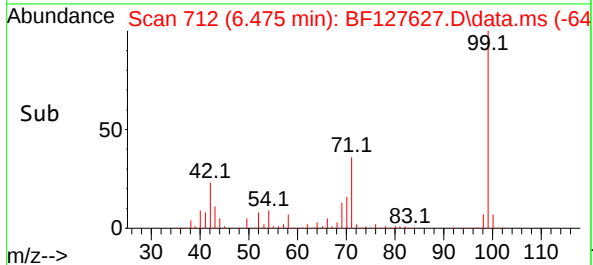
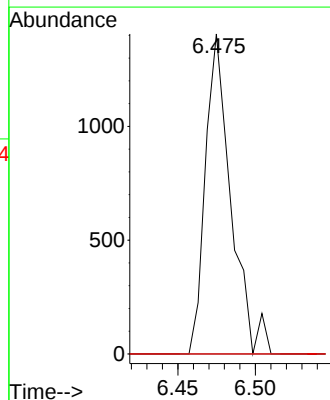
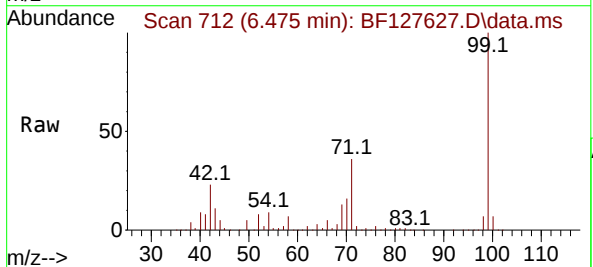
Tgt Ion: 77 Resp: 1609

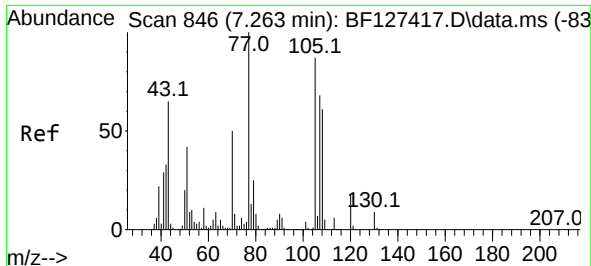
Ion Ratio Lower Upper

77 100

105 0.0 66.8 106.8#

106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 15.831 ng

RT: 7.404 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127627.D

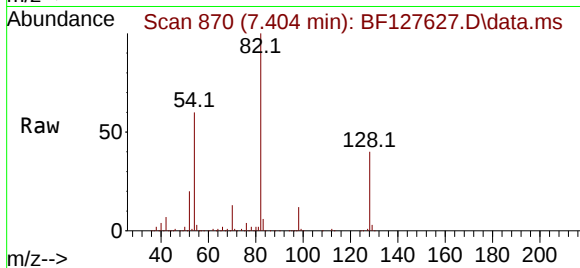
Acq: 01 Apr 2022 22:25

Instrument :

BNA_F

ClientSampleId :

A03140



Tgt Ion: 70 Resp: 83874

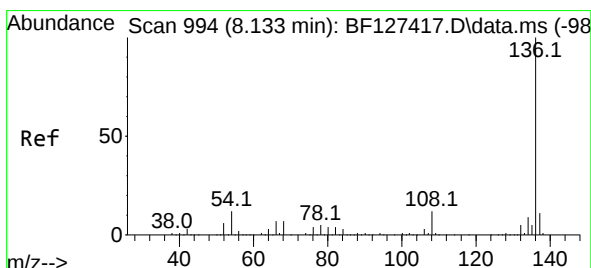
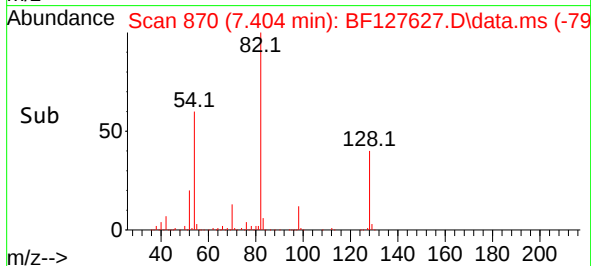
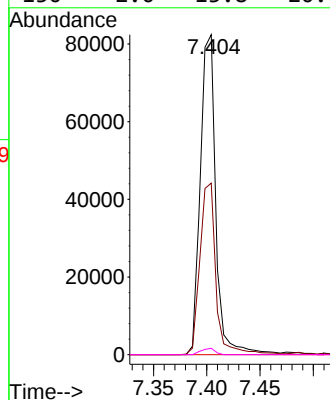
Ion Ratio Lower Upper

70 100

42 53.6 53.0 79.6

101 0.0 6.8 10.2#

130 2.0 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127627.D

Acq: 01 Apr 2022 22:25

Tgt Ion: 136 Resp: 398356

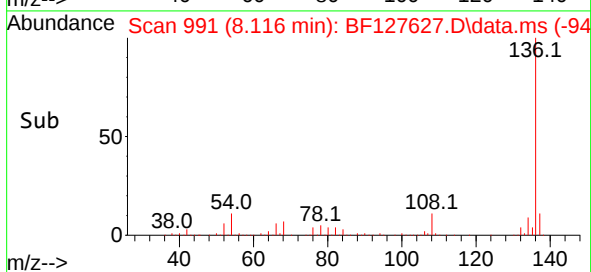
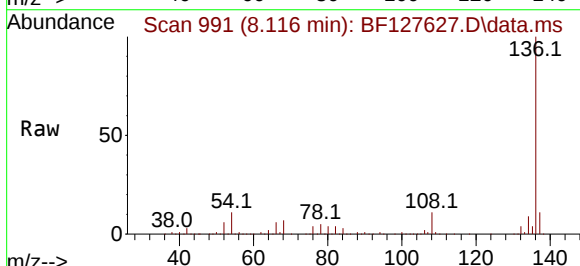
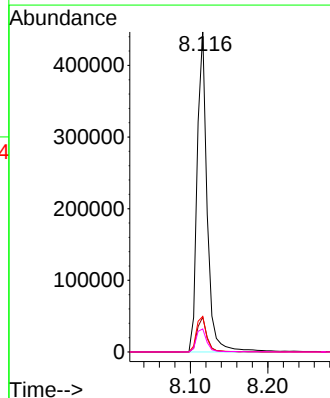
Ion Ratio Lower Upper

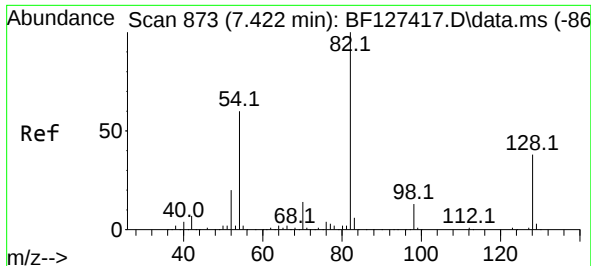
136 100

137 10.9 8.6 13.0

54 11.1 9.2 13.8

68 7.2 5.4 8.0

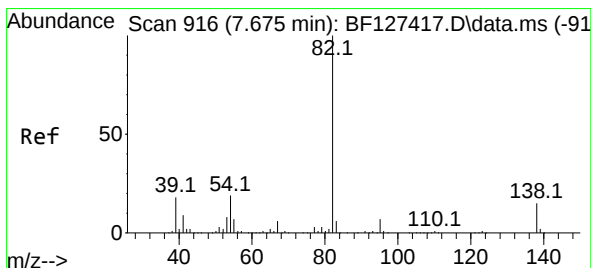
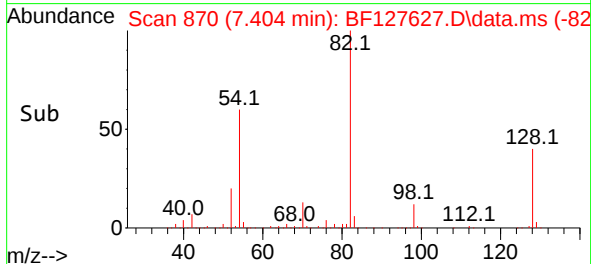
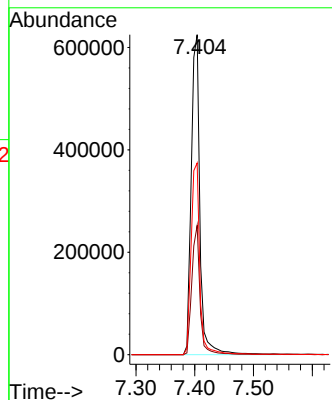
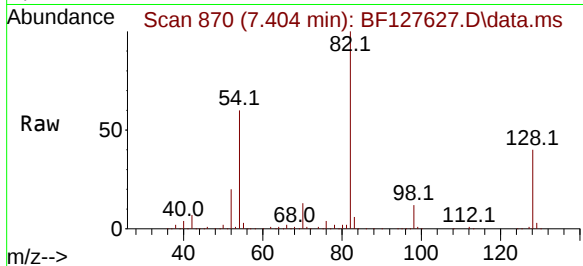




#23
Nitrobenzene-d5
Concen: 68.911 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

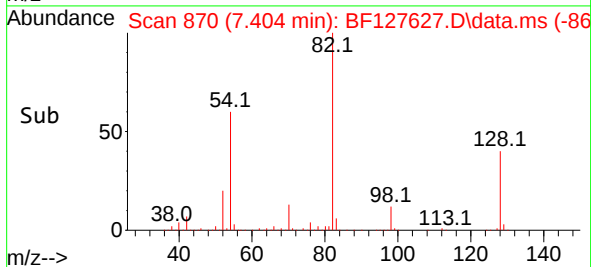
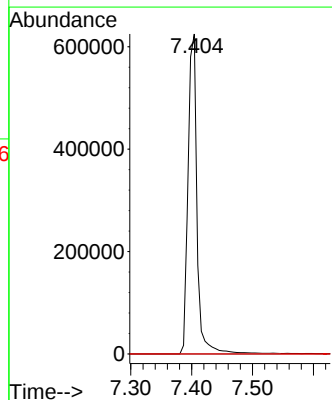
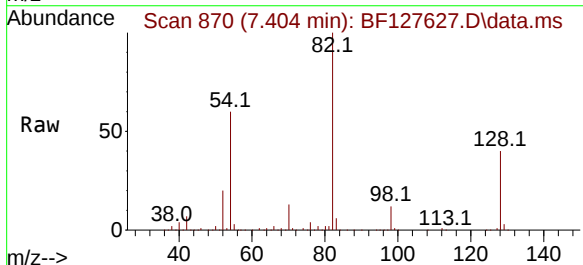
Instrument :
BNA_F
ClientSampleId :
A03140

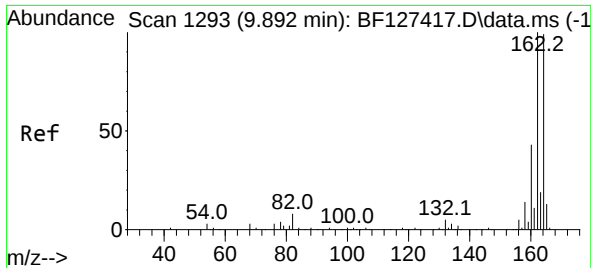
Tgt Ion: 82 Resp: 642199
Ion Ratio Lower Upper
82 100
128 40.4 30.6 45.8
54 59.9 48.2 72.2



#25
Isophorone
Concen: 43.266 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.259 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

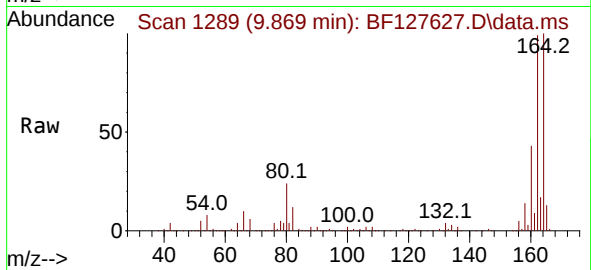
Tgt Ion: 82 Resp: 642193
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#



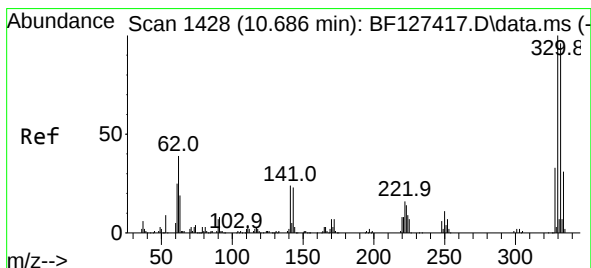
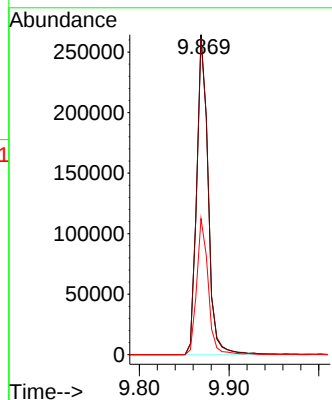
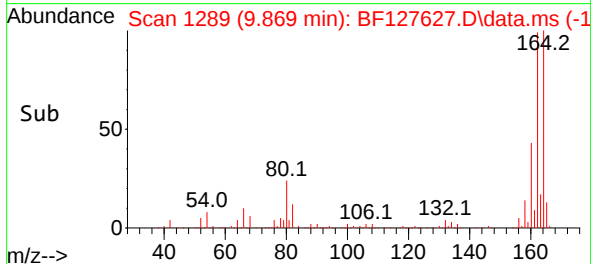


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

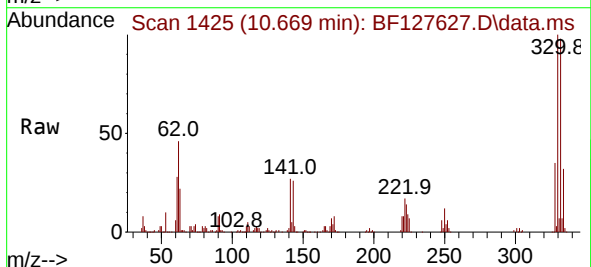
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BNA_F
ClientSampleId :
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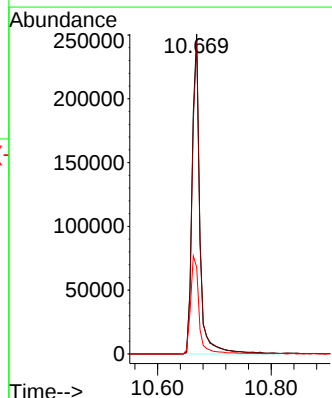
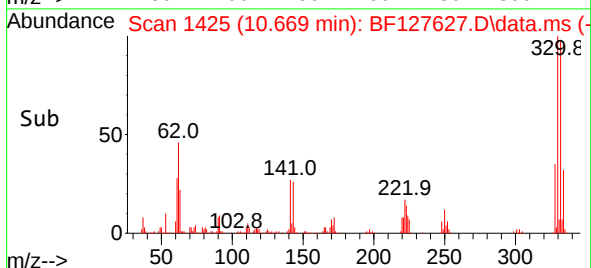
Tgt Ion:164 Resp: 234034
Ion Ratio Lower Upper
164 100
162 98.8 81.2 121.8
160 42.5 34.6 52.0

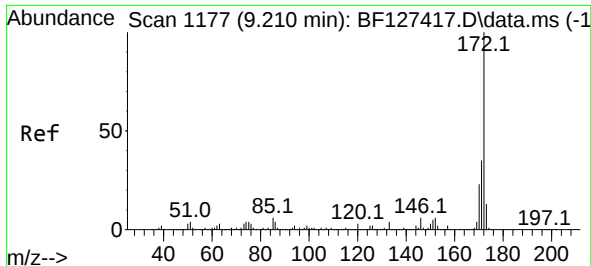


#42
2,4,6-Tribromophenol
Concen: 95.208 ng
RT: 10.669 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25



Tgt Ion:330 Resp: 237358
Ion Ratio Lower Upper
330 100
332 96.7 79.1 118.7
141 33.9 26.2 39.4

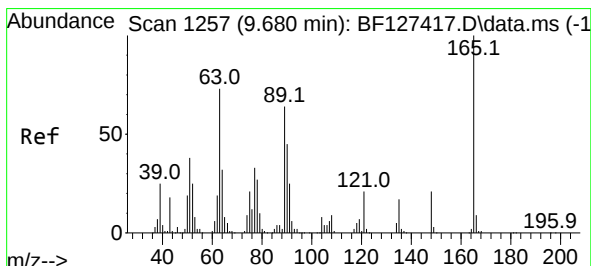
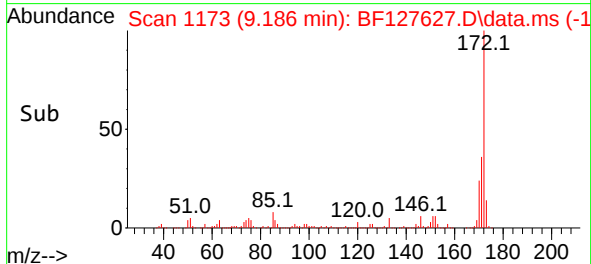
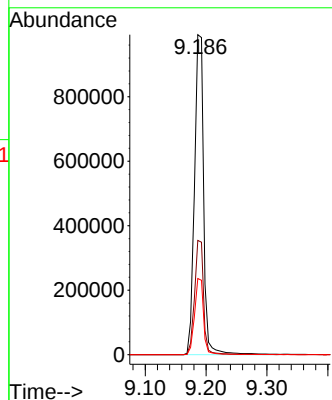
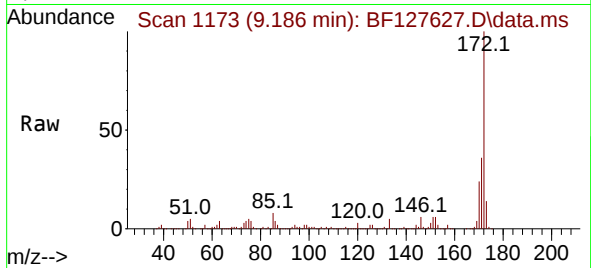




#45
2-Fluorobiphenyl
Concen: 64.775 ng
RT: 9.186 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

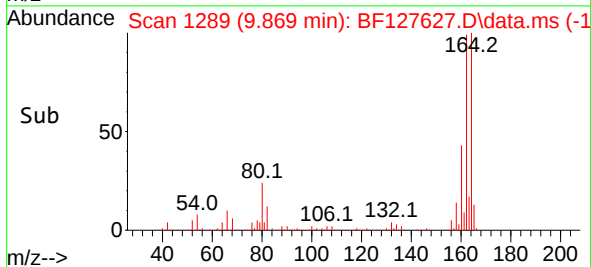
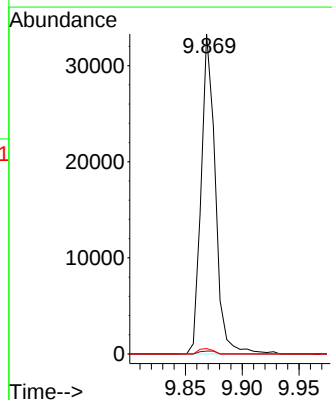
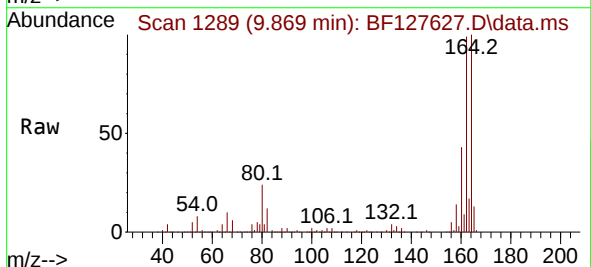
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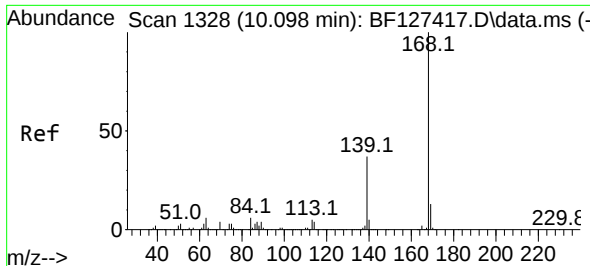
Tgt Ion:172 Resp: 1038155
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.510 ng
RT: 9.869 min Scan# 1289
Delta R.T. 0.200 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

Tgt Ion:165 Resp: 29085
Ion Ratio Lower Upper
165 100
63 0.9 58.3 87.5#
89 1.7 51.5 77.3#

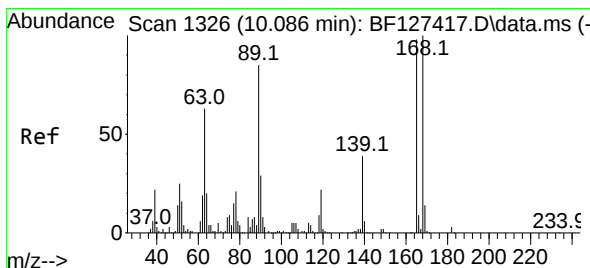
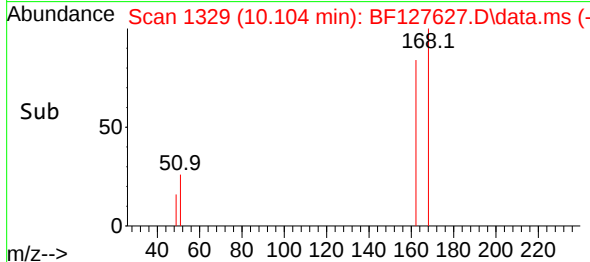
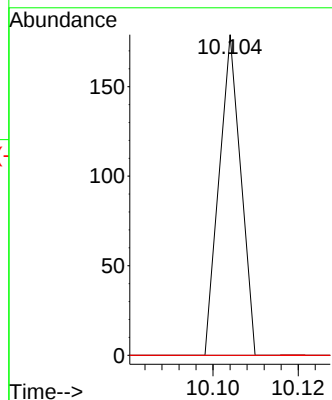
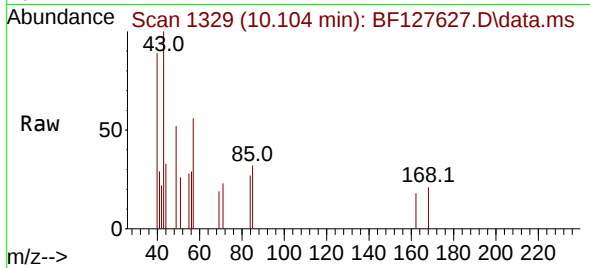




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.104 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

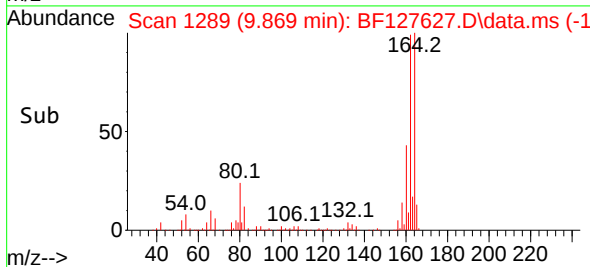
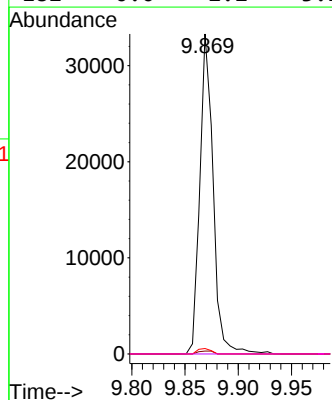
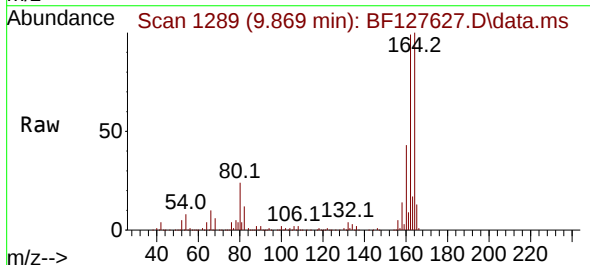
Instrument :
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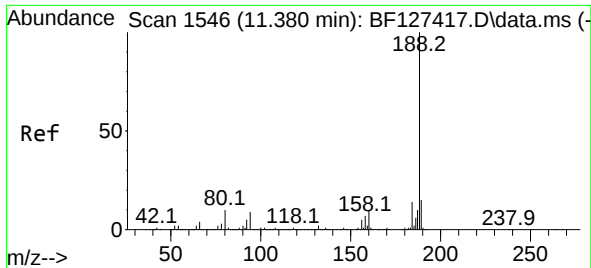
Tgt Ion:168 Resp: 63
Ion Ratio Lower Upper
168 100
139 0.0 30.3 45.5#
169 0.0 10.8 16.2#



#57
2,4-Dinitrotoluene
Concen: 6.612 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.206 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

Tgt Ion:165 Resp: 29085
Ion Ratio Lower Upper
165 100
63 0.9 53.1 79.7#
89 1.7 69.2 103.8#
182 0.0 2.2 3.2#

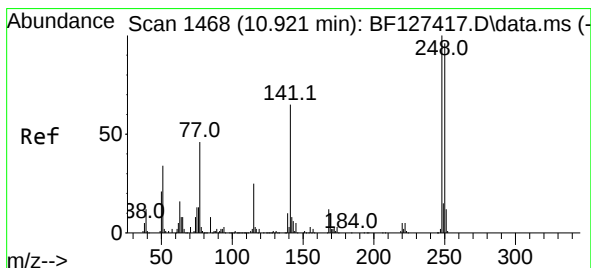
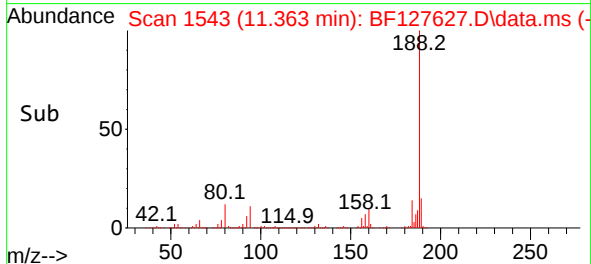
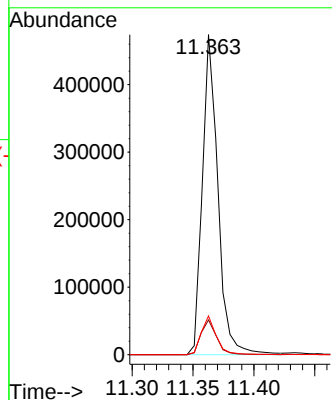
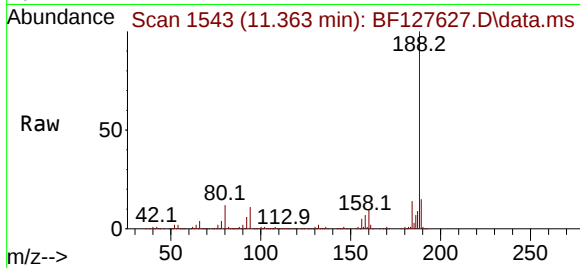




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

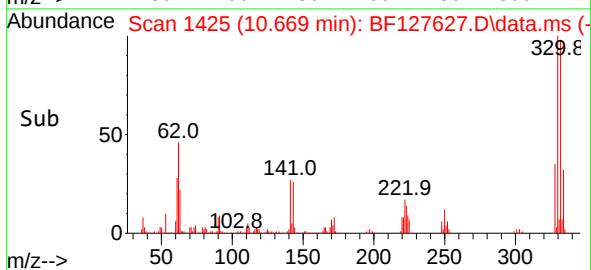
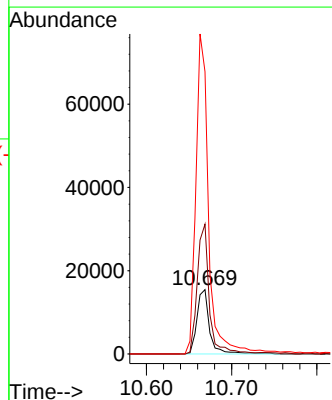
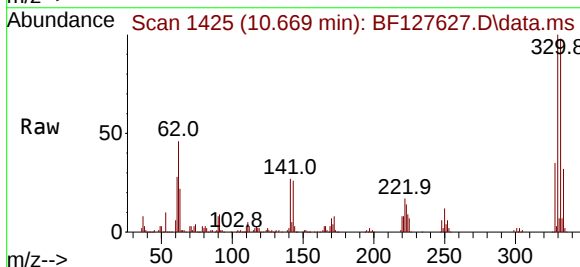
Instrument :
BNA_F
ClientSampleId :
A03140

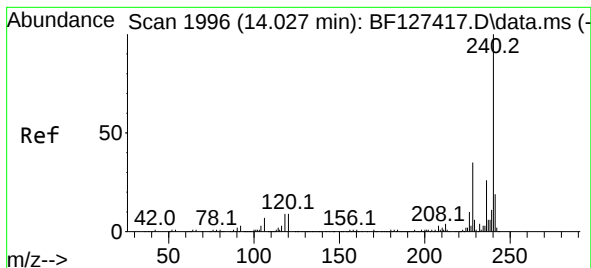
Tgt Ion:188 Resp: 420137
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.0
80 12.1 8.0 12.0#



#67
4-Bromophenyl-phenylether
Concen: 3.251 ng
RT: 10.669 min Scan# 1425
Delta R.T. -0.235 min
Lab File: BF127627.D
Acq: 01 Apr 2022 22:25

Tgt Ion:248 Resp: 15947
Ion Ratio Lower Upper
248 100
250 201.6 76.6 115.0#
141 438.4 52.2 78.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 1812

Delta R.T. 0.000 min

Lab File: BF127627.D

Acq: 01 Apr 2022 22:25

Instrument :

BNA_F

ClientSampleId :

A03140

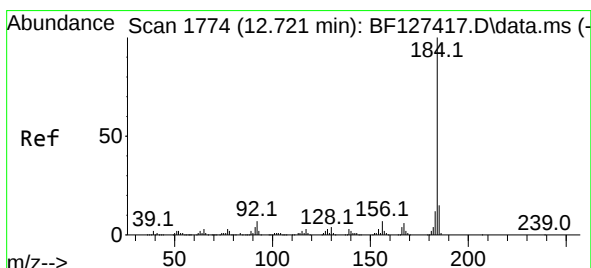
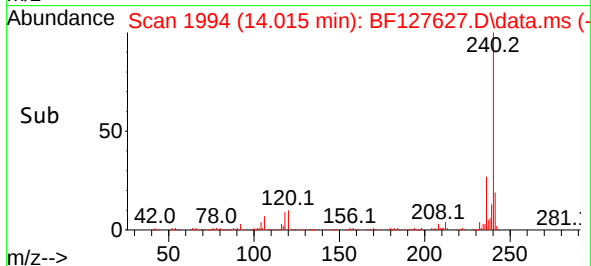
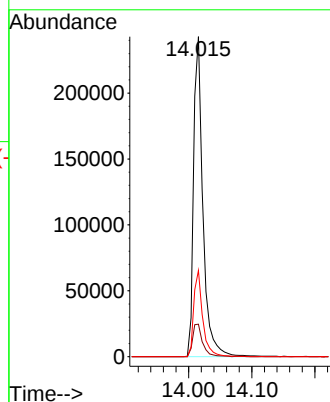
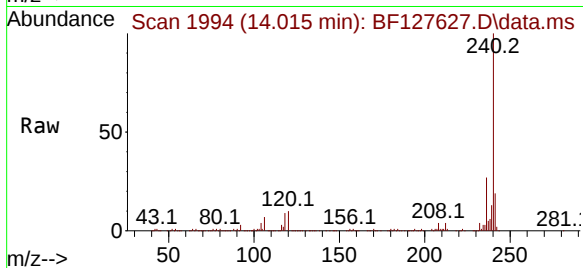
Tgt Ion:240 Resp: 251220

Ion Ratio Lower Upper

240 100

120 10.2 7.1 10.7

236 27.0 20.7 31.1



#77

Benidine

Concen: 2.406 ng

RT: 12.945 min Scan# 1812

Delta R.T. 0.235 min

Lab File: BF127627.D

Acq: 01 Apr 2022 22:25

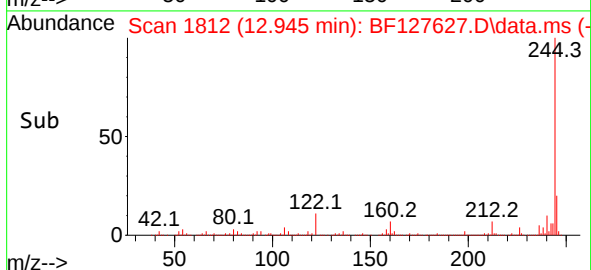
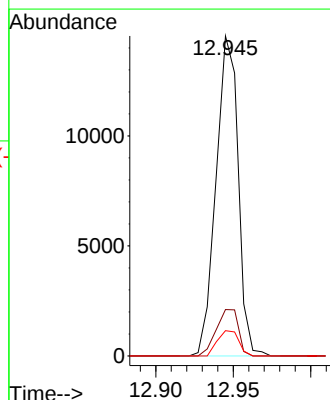
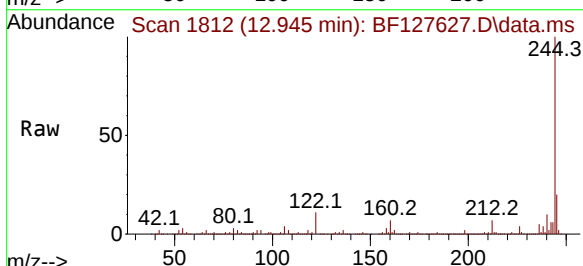
Tgt Ion:184 Resp: 14412

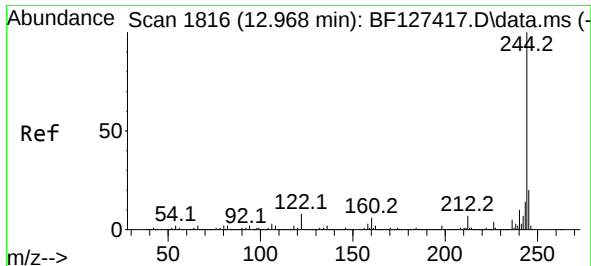
Ion Ratio Lower Upper

184 100

185 14.5 12.2 18.2

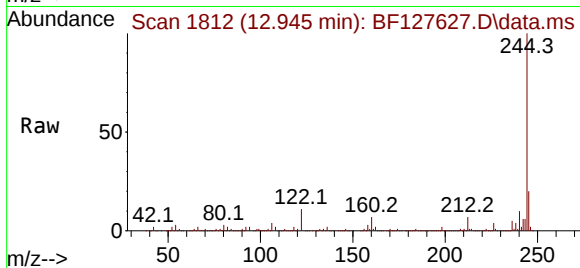
183 7.9 9.4 14.0#



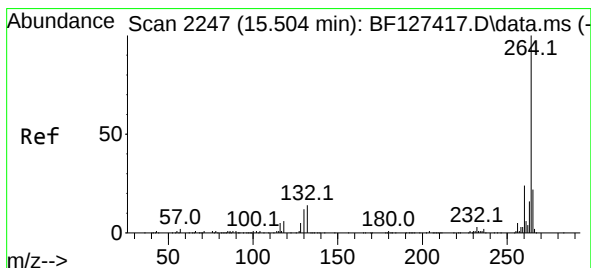
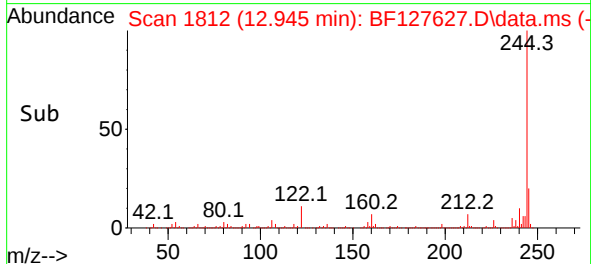
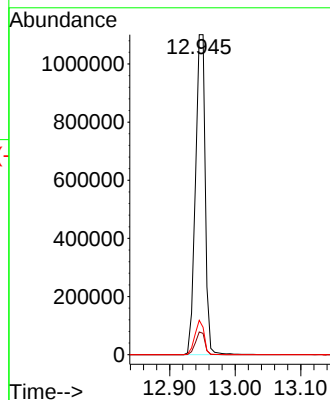


#79
 Terphenyl-d14
 Concen: 74.263 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127627.D
 Acq: 01 Apr 2022 22:25

Instrument :
 BNA_F
 ClientSampleId :
 A03140



Tgt Ion:244 Resp: 1139658
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 10.7 6.2 9.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2246
 Delta R.T. 0.006 min
 Lab File: BF127627.D
 Acq: 01 Apr 2022 22:25

Tgt Ion:264 Resp: 200186
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.1 28.7
 265 20.9 17.4 26.2

