

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
 Data File : BF127809.D
 Acq On : 15 Apr 2022 17:56
 Operator : CG\JU
 Sample : N2394-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-8

Quant Time: Apr 18 01:25:54 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)

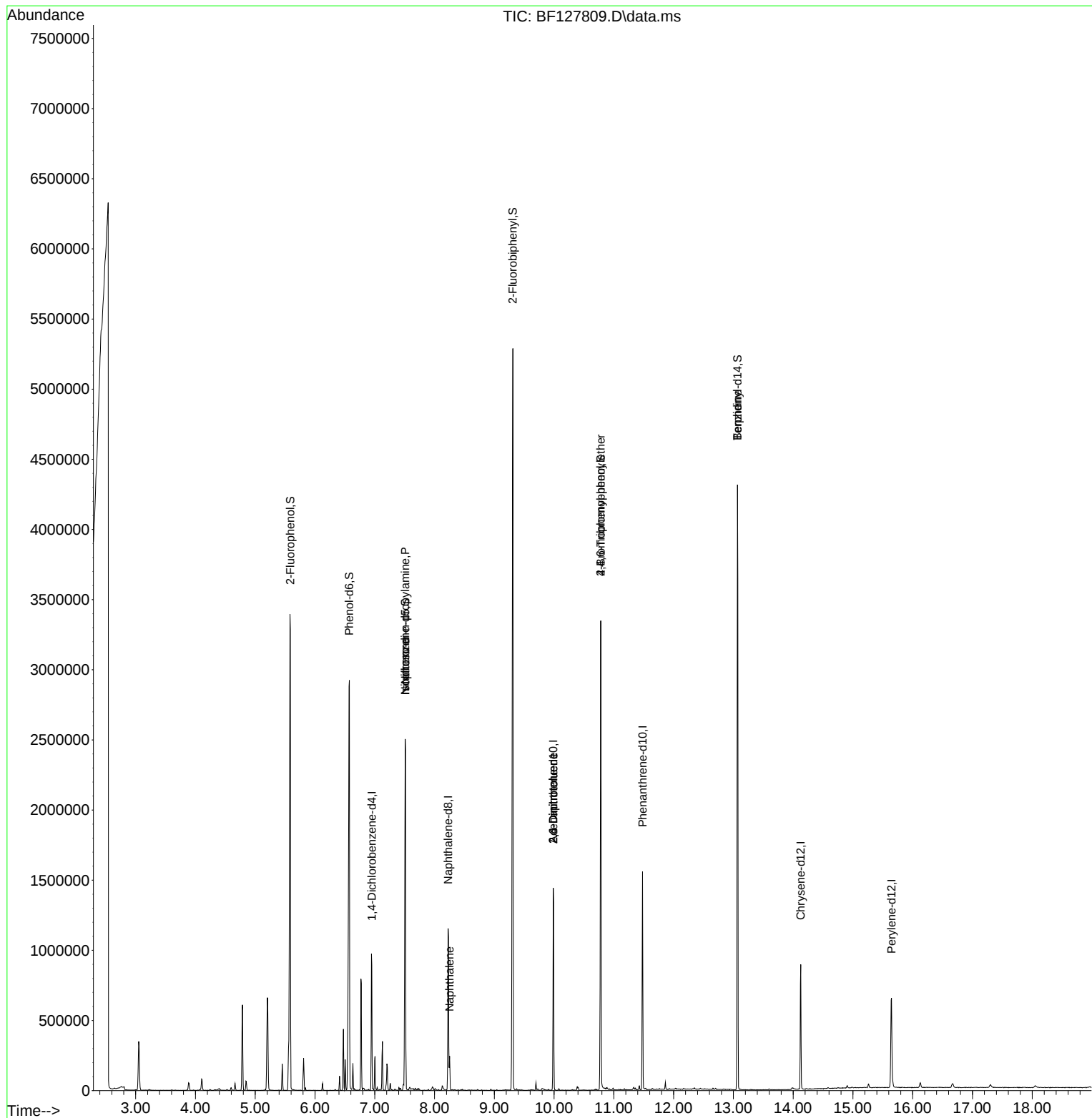
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	142666	20.000	ng	-0.01
21) Naphthalene-d8	8.228	136	533792	20.000	ng	#-0.02
39) Acenaphthene-d10	9.986	164	310152	20.000	ng	-0.02
64) Phenanthrene-d10	11.480	188	519782	20.000	ng	-0.01
76) Chrysene-d12	14.127	240	313815	20.000	ng	-0.02
86) Perylene-d12	15.645	264	323146	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	976316	111.198	ng	0.00
7) Phenol-d6	6.575	99	1137341	99.019	ng	-0.01
23) Nitrobenzene-d5	7.510	82	1000526	83.562	ng	-0.02
42) 2,4,6-Tribromophenol	10.780	330	401213	121.562	ng	-0.02
45) 2-Fluorobiphenyl	9.310	172	1756982	80.140	ng	-0.01
79) Terphenyl-d14	13.069	244	1626964	85.575	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	8459	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.510	70	136946	18.434	ng	# 72
25) Isophorone	7.510	82	999538	47.841	ng	# 70
31) Naphthalene	8.251	128	93192	3.332	ng	97
51) 2,6-Dinitrotoluene	9.986	165	39817	9.396	ng	# 17
57) 2,4-Dinitrotoluene	9.986	165	39817	7.579	ng	# 13
67) 4-Bromophenyl-phenylether	10.780	248	24870	3.942	ng	# 1
77) Benzidine	13.069	184	23132	2.824	ng	# 94

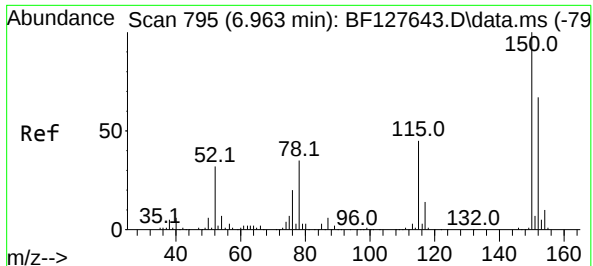
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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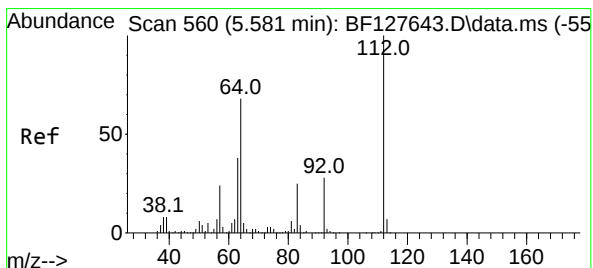
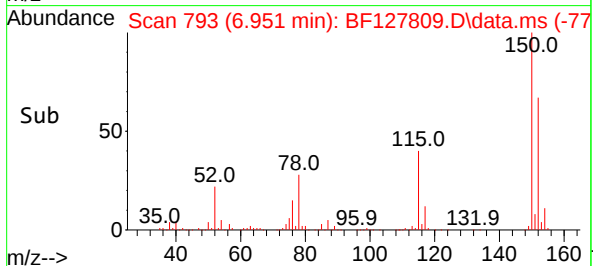
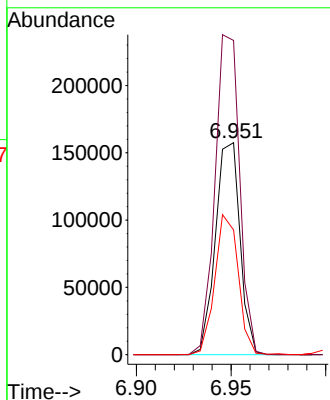
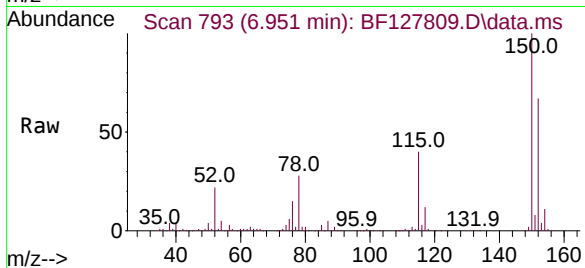




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

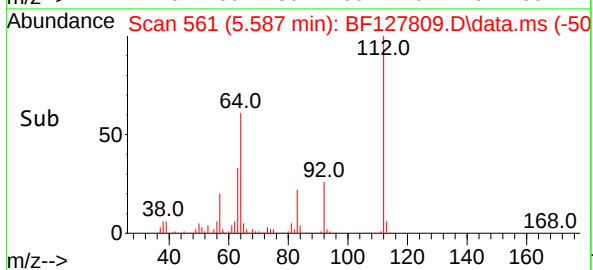
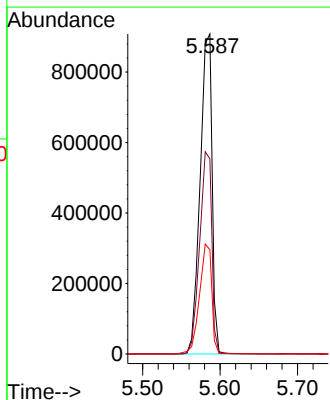
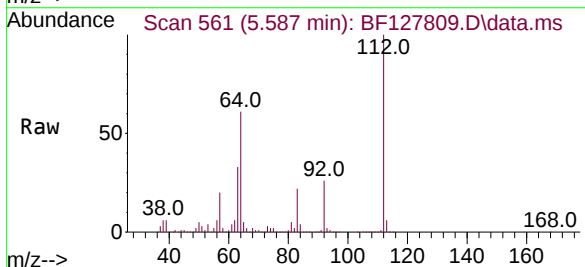
Instrument :
BNA_F
ClientSampleId :
CS-8

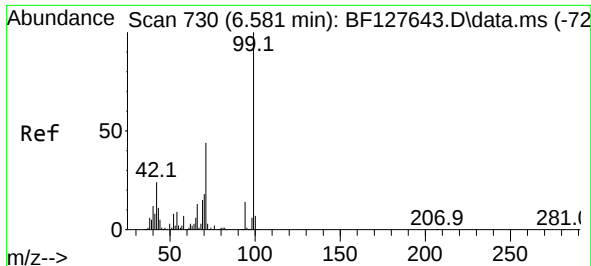
Tgt Ion:152 Resp: 142666
Ion Ratio Lower Upper
152 100
150 148.2 117.2 175.8
115 58.9 49.8 74.6



#5
2-Fluorophenol
Concen: 111.198 ng
RT: 5.587 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

Tgt Ion:112 Resp: 976316
Ion Ratio Lower Upper
112 100
64 61.0 58.4 87.6
63 32.6 30.1 45.1

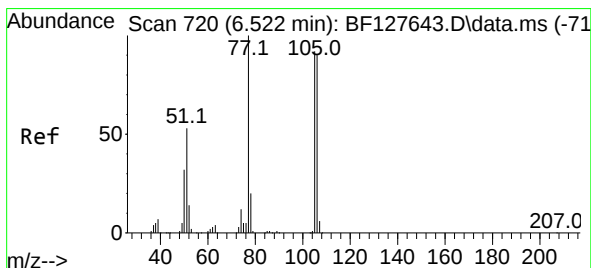
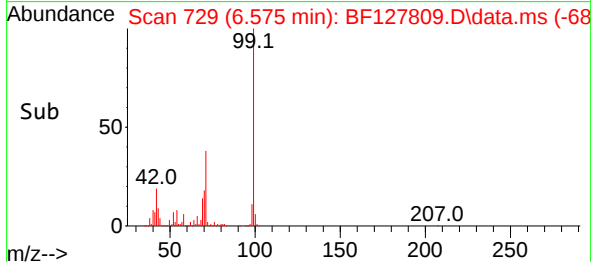
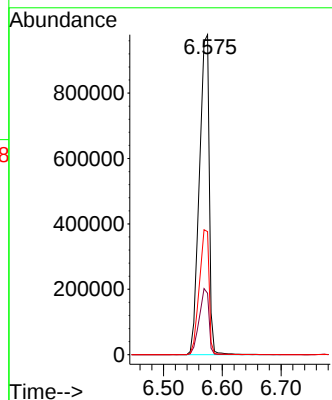
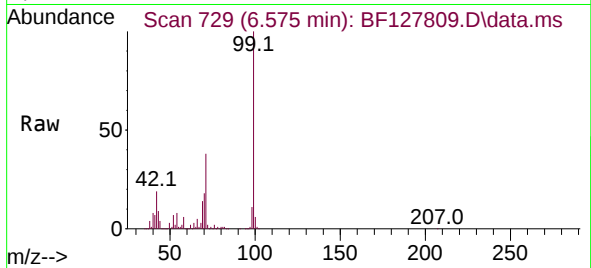




#7
Phenol-d6
Concen: 99.019 ng
RT: 6.575 min Scan# 717
Delta R.T. -0.012 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

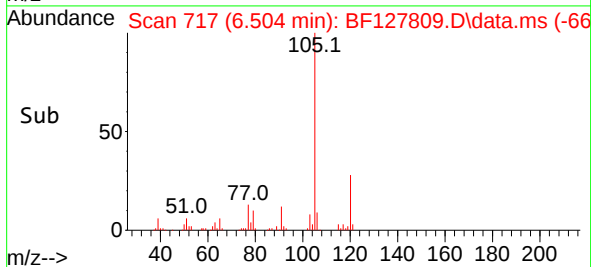
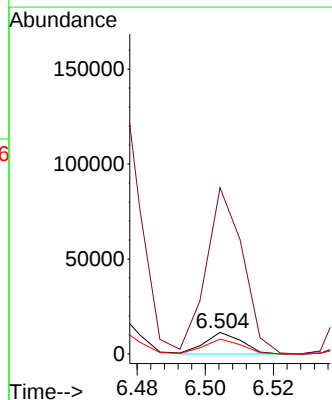
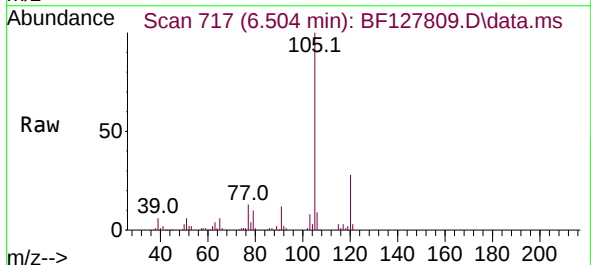
Instrument :
BNA_F
ClientSampleId :
CS-8

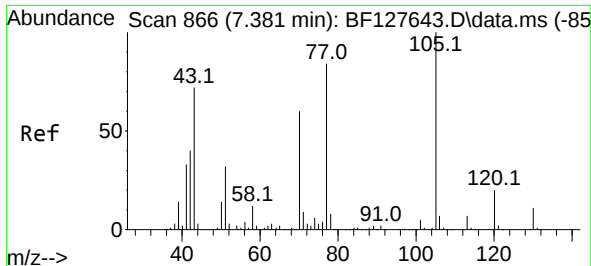
Tgt Ion: 99 Resp: 1137341
Ion Ratio Lower Upper
99 100
42 19.2 17.8 26.6
71 38.4 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.504 min Scan# 717
Delta R.T. -0.012 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 77 Resp: 8459
Ion Ratio Lower Upper
77 100
105 770.0 66.8 106.8#
106 68.8 64.3 104.3

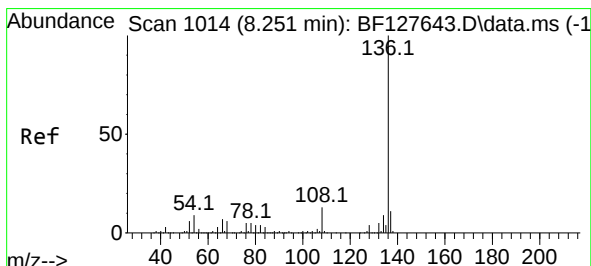
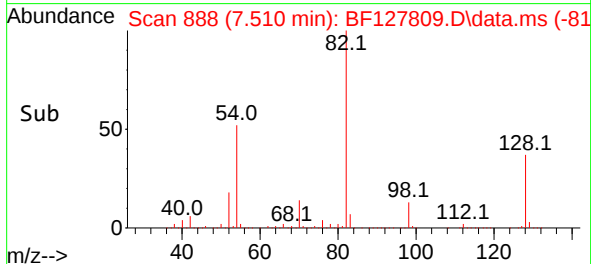
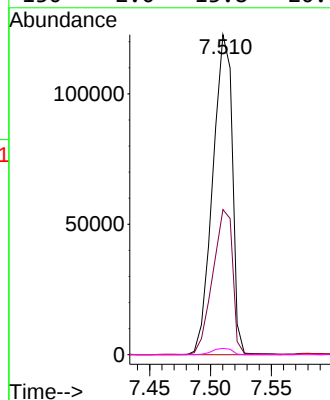
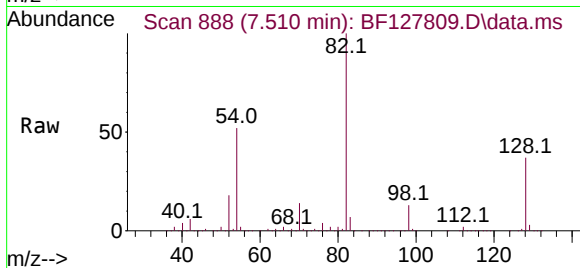




#19
n-Nitroso-di-n-propylamine
Concen: 18.434 ng
RT: 7.510 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

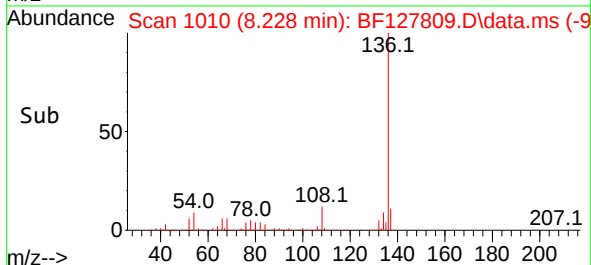
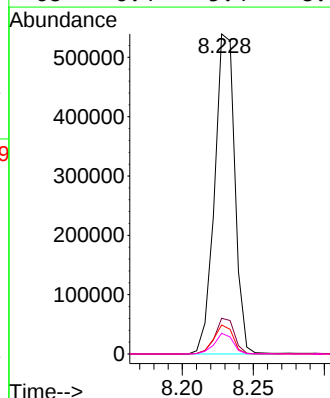
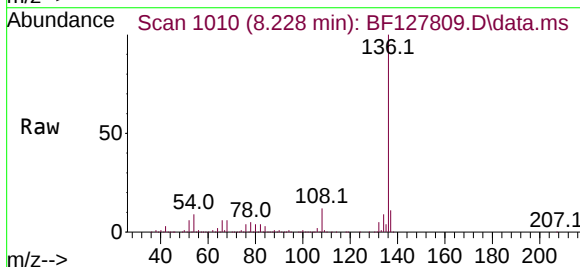
Instrument :
BNA_F
ClientSampleId :
CS-8

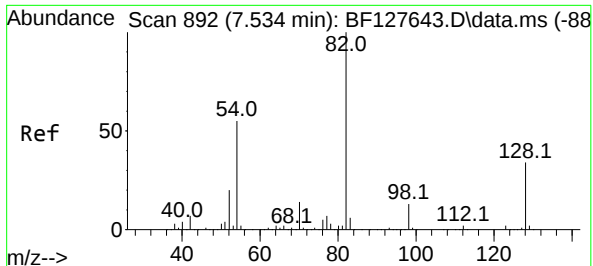
Tgt Ion: 70 Resp: 136946
Ion Ratio Lower Upper
70 100
42 45.4 53.0 79.6#
101 0.0 6.8 10.2#
130 2.0 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

Tgt Ion: 136 Resp: 533792
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.0 9.2 13.8#
68 6.4 5.4 8.0





#23

Nitrobenzene-d5

Concen: 83.562 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.018 min

Lab File: BF127809.D

Acq: 15 Apr 2022 17:56

Instrument :

BNA_F

ClientSampleId :

CS-8

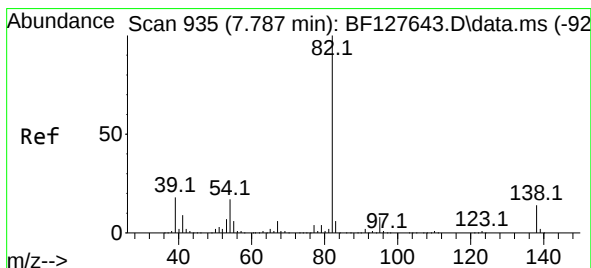
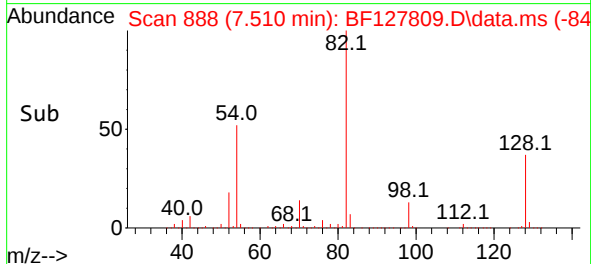
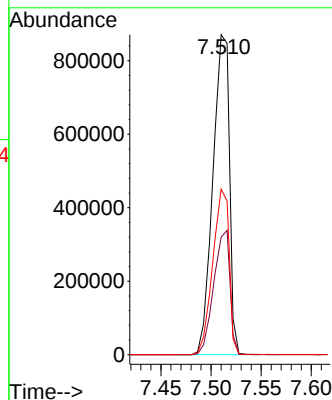
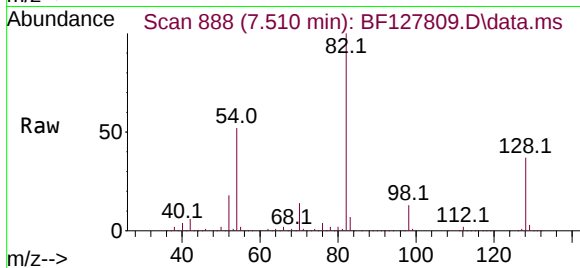
Tgt Ion: 82 Resp: 1000526

Ion Ratio Lower Upper

82 100

128 36.7 30.6 45.8

54 51.7 48.2 72.2



#25

Isophorone

Concen: 47.841 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.276 min

Lab File: BF127809.D

Acq: 15 Apr 2022 17:56

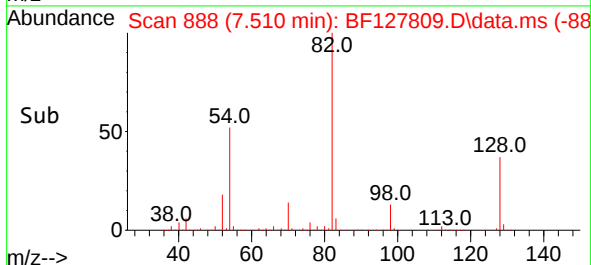
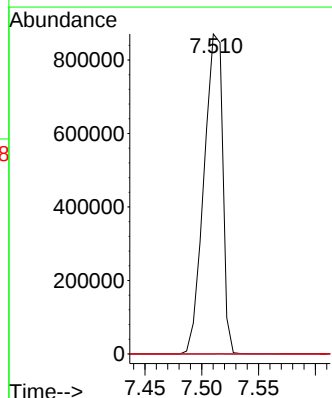
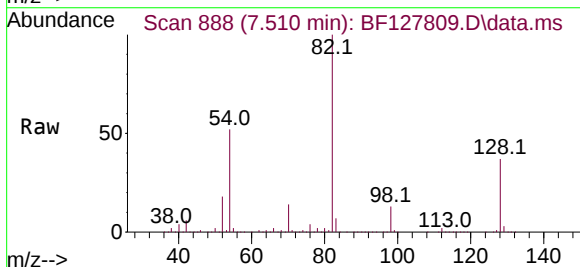
Tgt Ion: 82 Resp: 999538

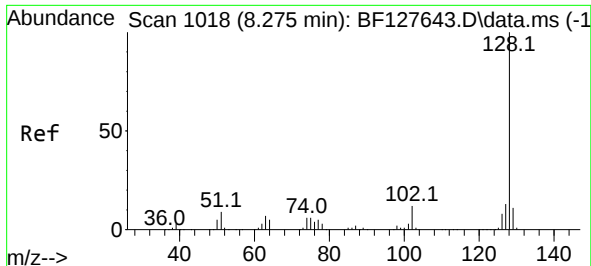
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

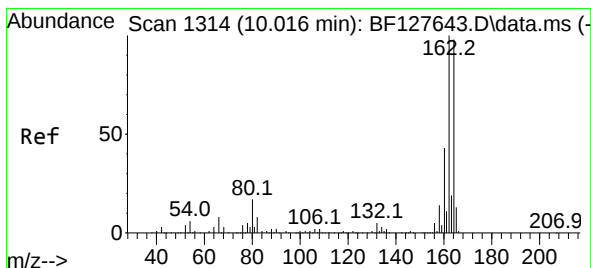
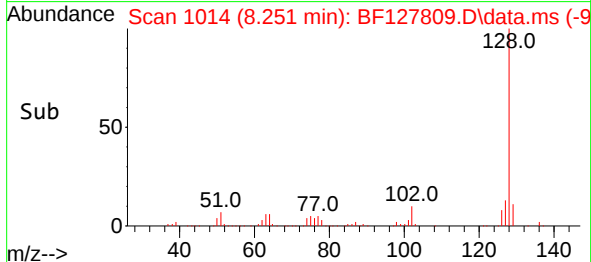
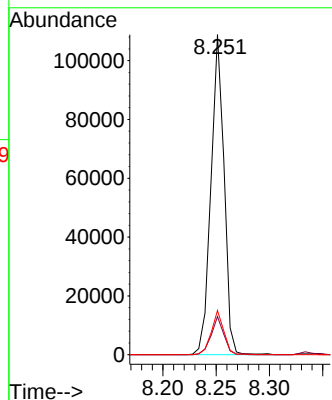
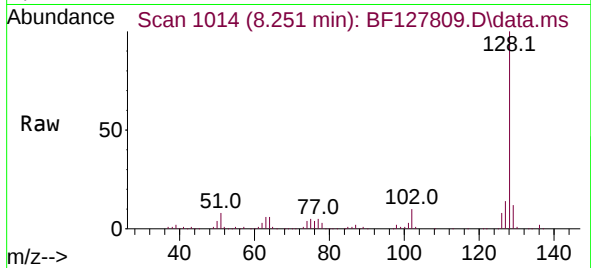




#31
Naphthalene
Concen: 3.332 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

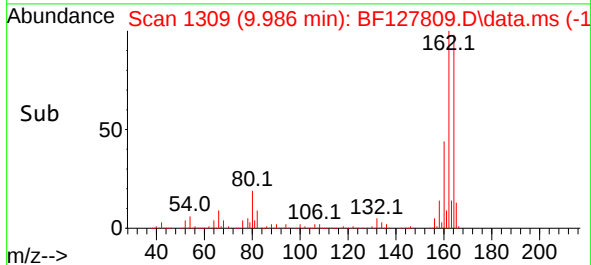
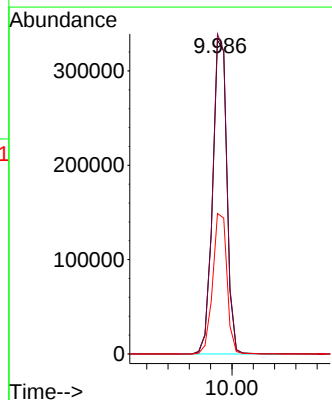
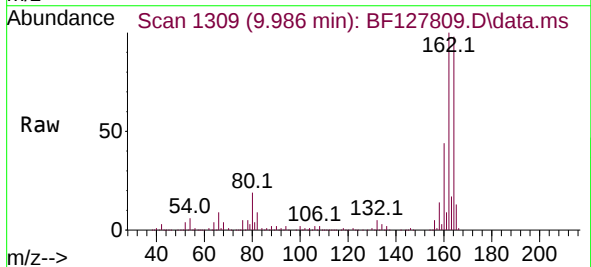
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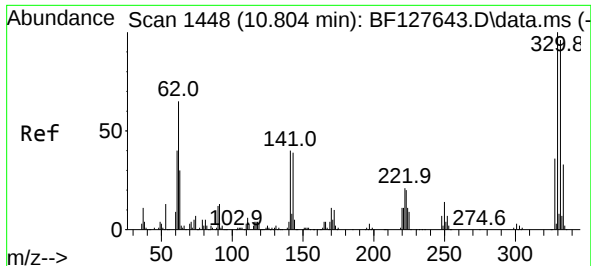
Tgt Ion:128 Resp: 93192
Ion Ratio Lower Upper
128 100
129 11.9 8.4 12.6
127 13.8 10.2 15.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.018 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

Tgt Ion:164 Resp: 310152
Ion Ratio Lower Upper
164 100
162 102.0 81.2 121.8
160 44.8 34.6 52.0

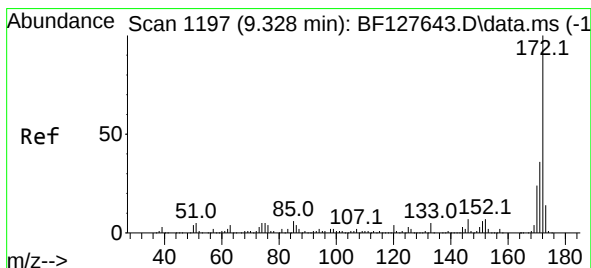
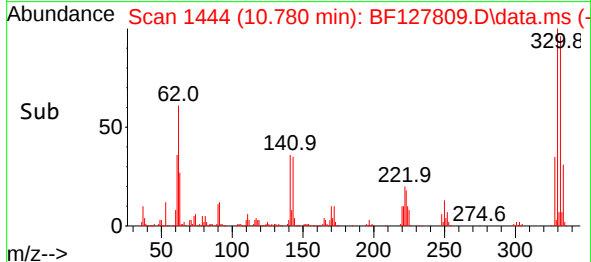
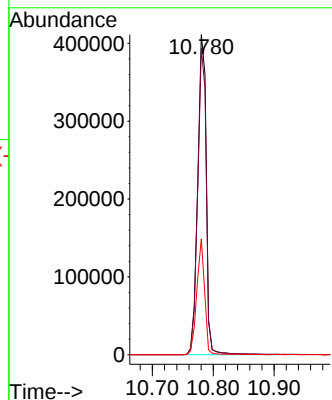
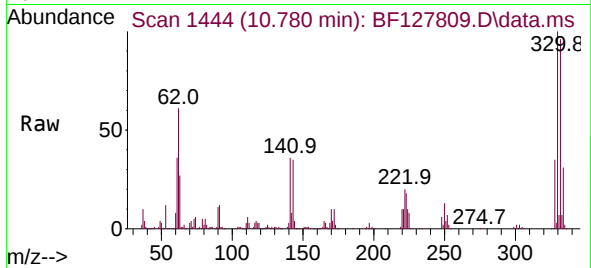




#42
2,4,6-Tribromophenol
Concen: 121.562 ng
RT: 10.780 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

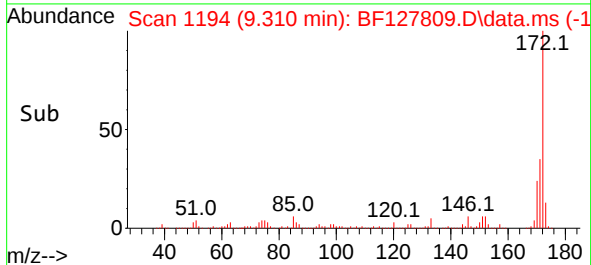
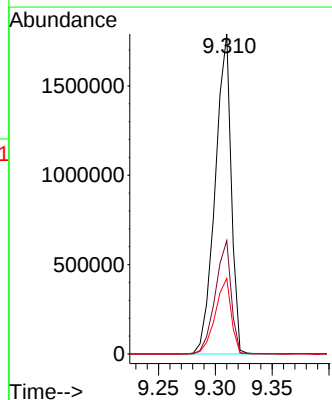
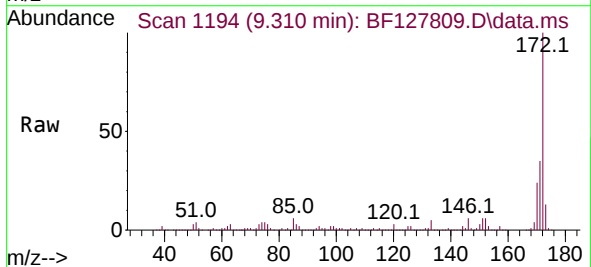
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BNA_F
ClientSampleId :
CS-8

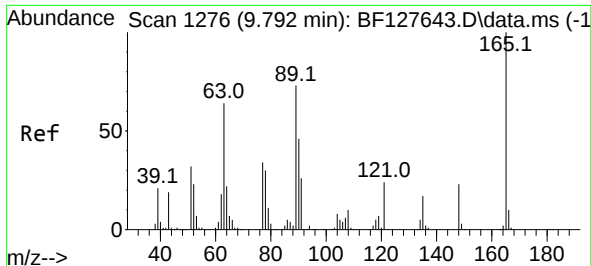
Tgt Ion:330 Resp: 401213
Ion Ratio Lower Upper
330 100
332 96.0 79.1 118.7
141 33.1 26.2 39.4



#45
2-Fluorobiphenyl
Concen: 80.140 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

Tgt Ion:172 Resp: 1756982
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.6 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 9.396 ng

RT: 9.986 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF127809.D

Acq: 15 Apr 2022 17:56

Instrument :

BNA_F

ClientSampleId :

CS-8

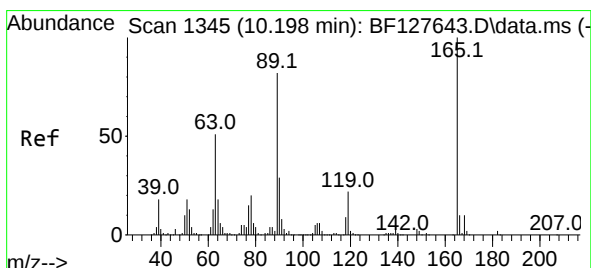
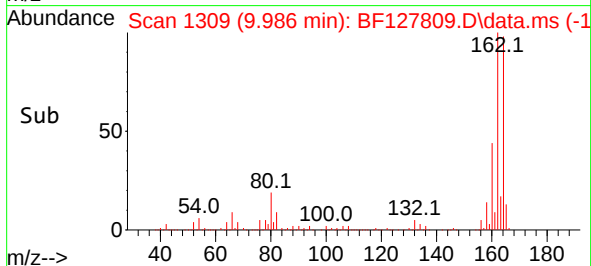
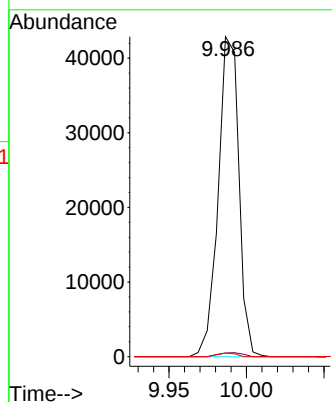
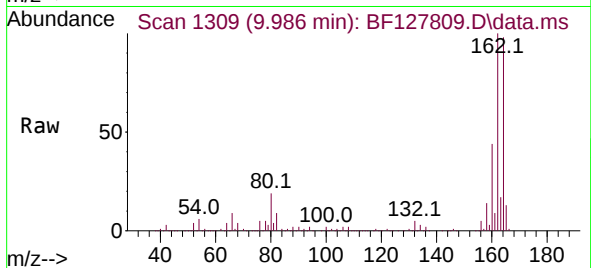
Tgt Ion:165 Resp: 39817

Ion Ratio Lower Upper

165 100

63 1.2 58.3 87.5#

89 1.1 51.5 77.3#



#57

2,4-Dinitrotoluene

Concen: 7.579 ng

RT: 9.986 min Scan# 1309

Delta R.T. -0.206 min

Lab File: BF127809.D

Acq: 15 Apr 2022 17:56

Tgt Ion:165 Resp: 39817

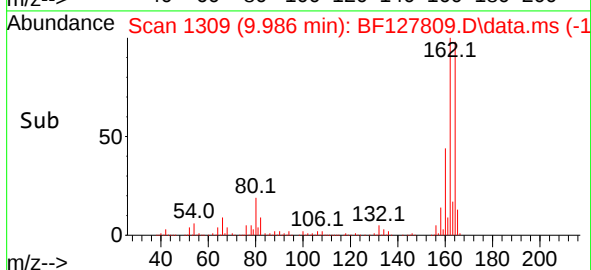
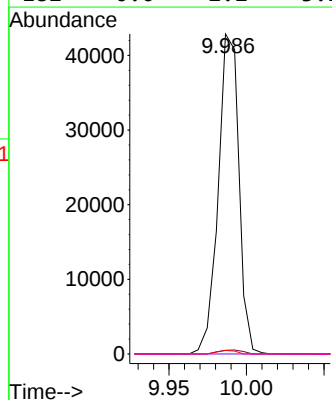
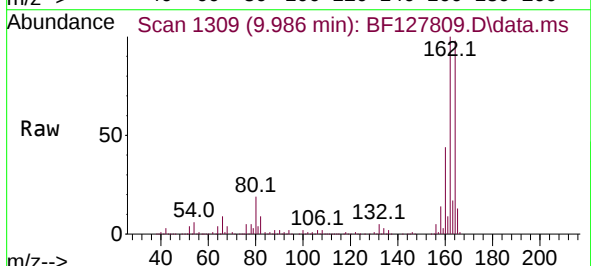
Ion Ratio Lower Upper

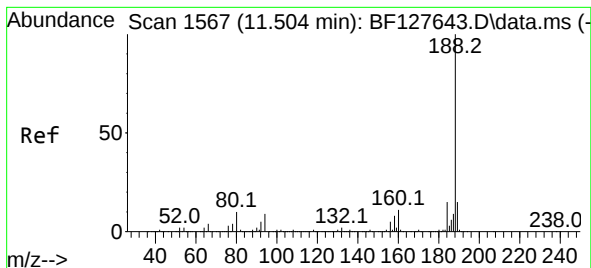
165 100

63 1.2 53.1 79.7#

89 1.1 69.2 103.8#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF127809.D

Acq: 15 Apr 2022 17:56

Instrument :

BNA_F

ClientSampleId :

CS-8

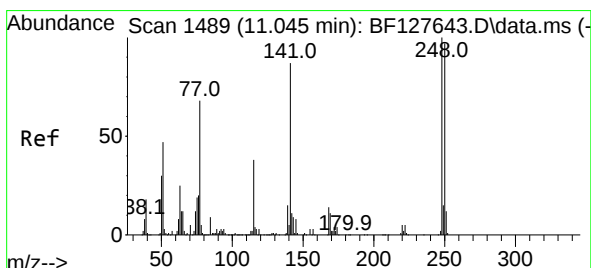
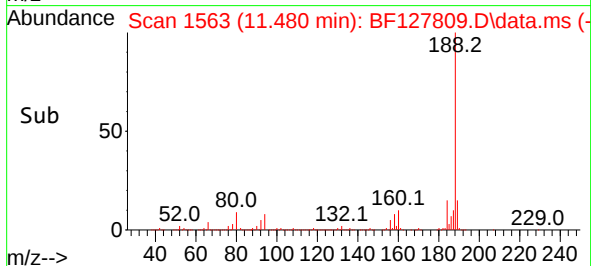
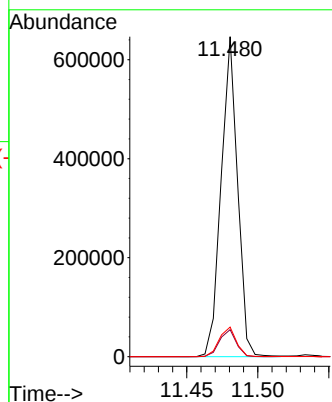
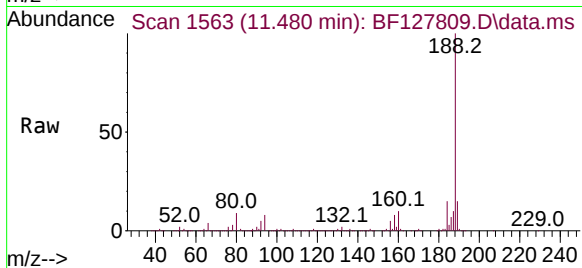
Tgt Ion:188 Resp: 519782

Ion Ratio Lower Upper

188 100

94 8.4 7.4 11.0

80 9.3 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 3.942 ng

RT: 10.780 min Scan# 1444

Delta R.T. -0.259 min

Lab File: BF127809.D

Acq: 15 Apr 2022 17:56

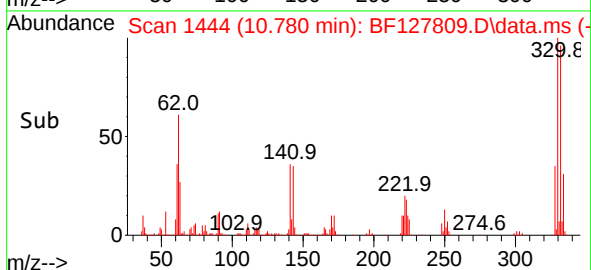
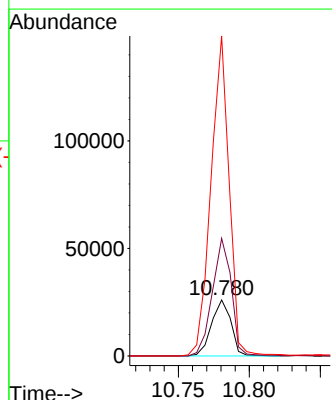
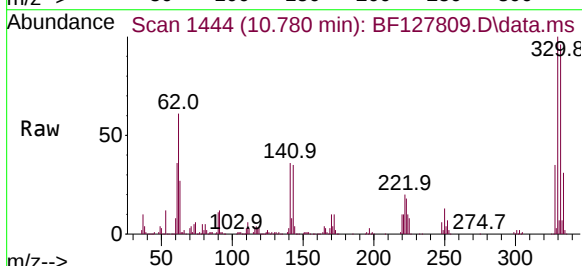
Tgt Ion:248 Resp: 24870

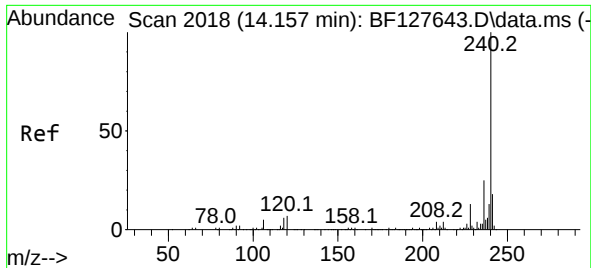
Ion Ratio Lower Upper

248 100

250 210.0 76.6 115.0#

141 571.4 52.2 78.2#

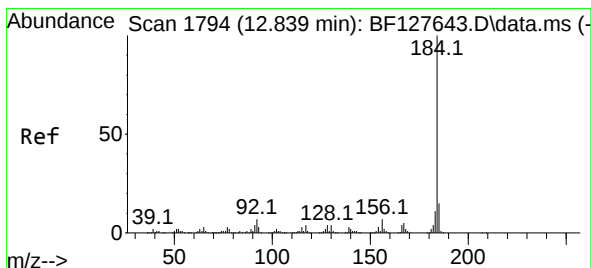
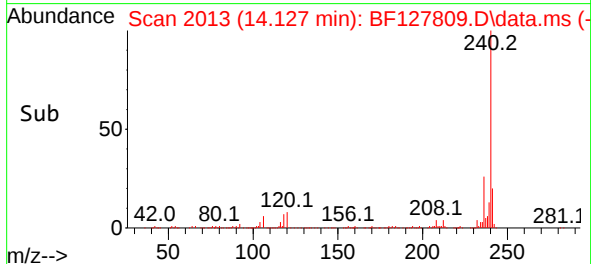
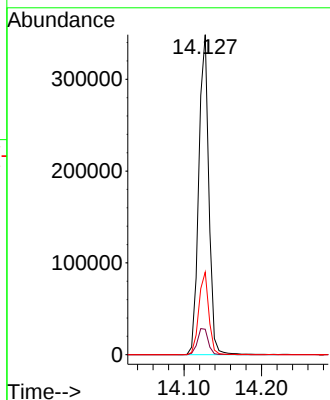
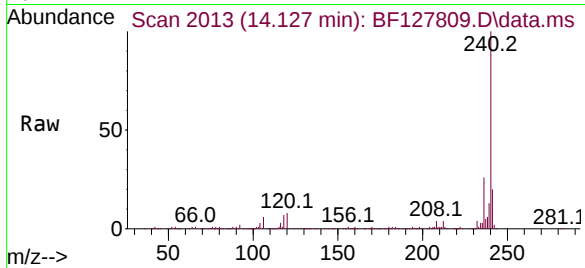




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

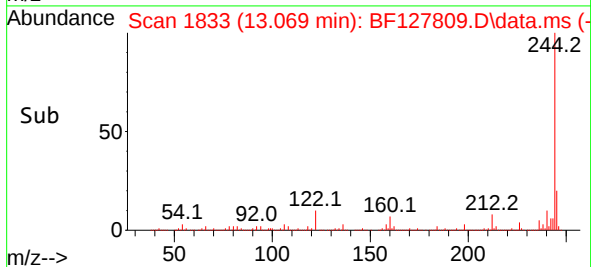
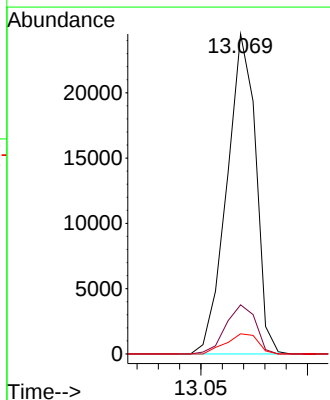
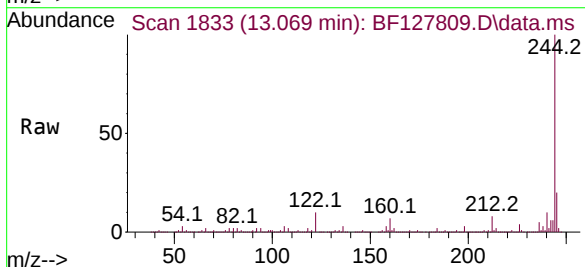
Instrument :
BNA_F
ClientSampleId :
CS-8

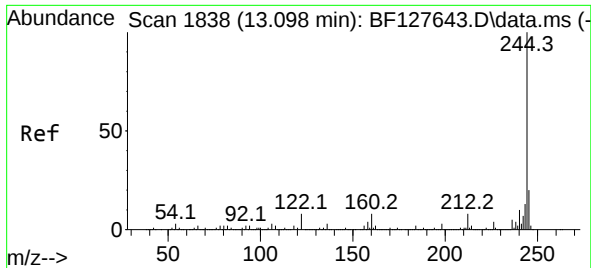
Tgt Ion:240 Resp: 313815
Ion Ratio Lower Upper
240 100
120 8.0 7.1 10.7
236 25.8 20.7 31.1



#77
Benzidine
Concen: 2.824 ng
RT: 13.069 min Scan# 1833
Delta R.T. 0.241 min
Lab File: BF127809.D
Acq: 15 Apr 2022 17:56

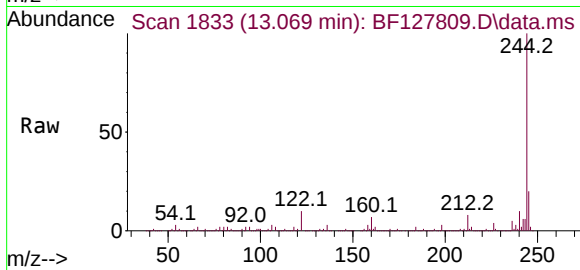
Tgt Ion:184 Resp: 23132
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.2
183 6.3 9.4 14.0#



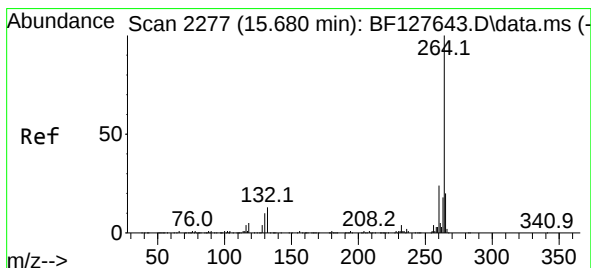
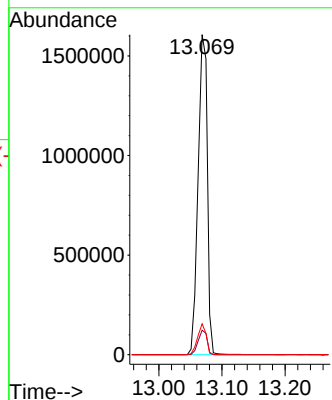
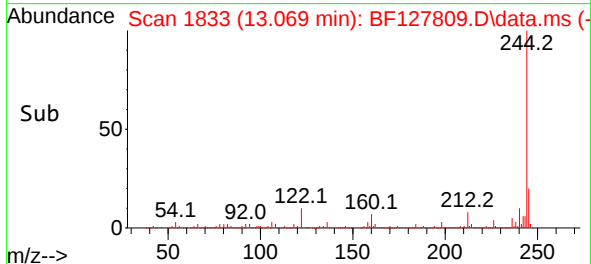


#79
 Terphenyl-d14
 Concen: 85.575 ng
 RT: 13.069 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF127809.D
 Acq: 15 Apr 2022 17:56

Instrument :
 BNA_F
 ClientSampleId :
 CS-8



Tgt Ion:244 Resp: 1626964
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 9.7 6.2 9.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.645 min Scan# 2271
 Delta R.T. -0.018 min
 Lab File: BF127809.D
 Acq: 15 Apr 2022 17:56

Tgt Ion:264 Resp: 323146
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 20.0 17.4 26.2

