

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051922\
 Data File : BF128351.D
 Acq On : 19 May 2022 22:23
 Operator : CG\JU
 Sample : N2871-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P017-SS001-2430-01

Quant Time: May 20 02:47:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

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

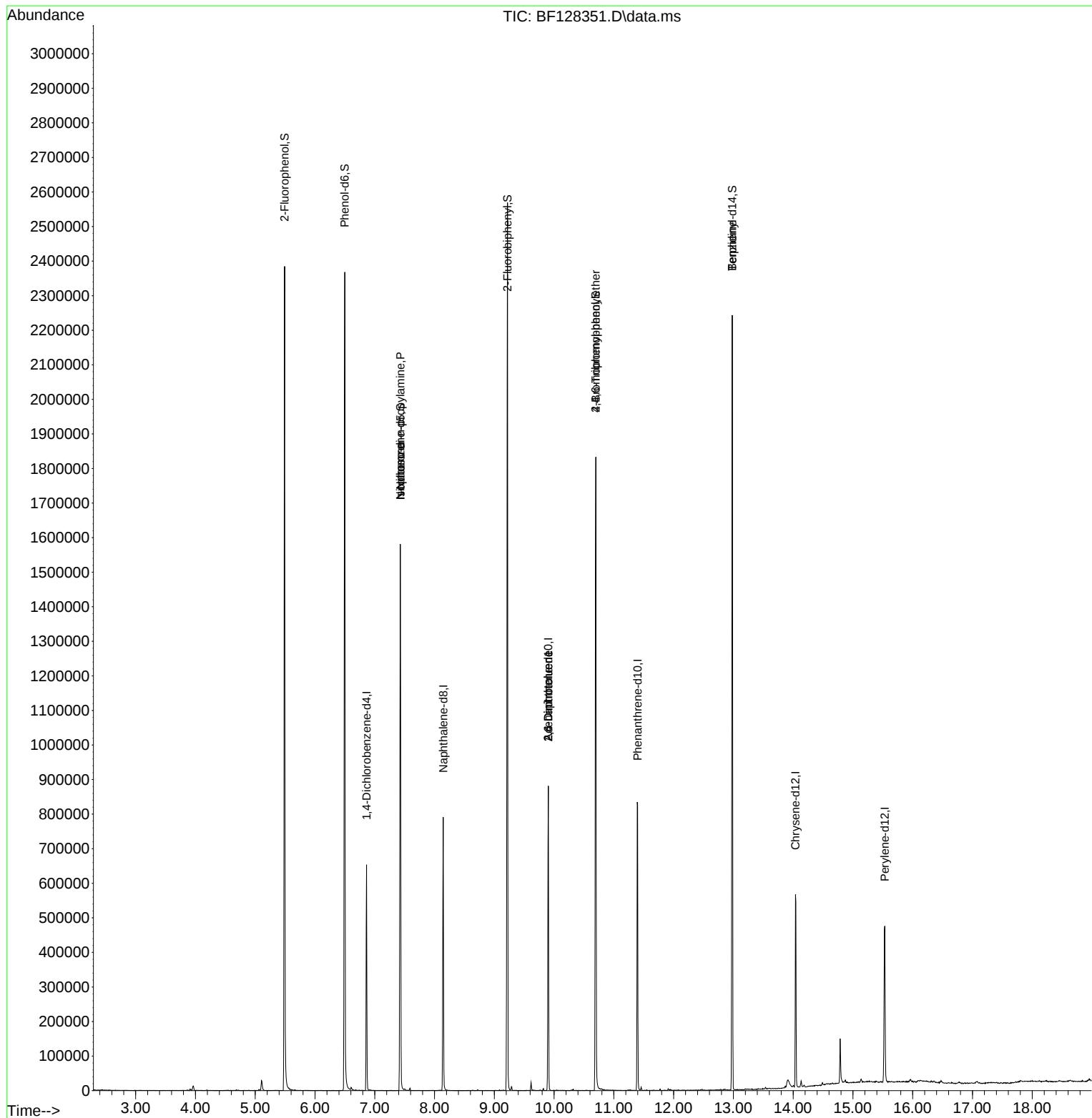
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	87131	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	334048	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	180028	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	323876	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	199384	20.000	ng	#-0.02
86) Perylene-d12	15.533	264	206075	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	585319	107.089	ng	0.00
7) Phenol-d6	6.498	99	779230	107.788	ng	-0.01
23) Nitrobenzene-d5	7.428	82	549903	74.072	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	207126	100.318	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	788559	68.537	ng	-0.01
79) Terphenyl-d14	12.980	244	735540	69.222	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.498	77	1526	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.428	70	74208	16.669	ng	# 79
25) Isophorone	7.428	82	549899	47.247	ng	# 68
51) 2,6-Dinitrotoluene	9.904	165	23547	9.240	ng	# 22
57) 2,4-Dinitrotoluene	9.904	165	23547	6.910	ng	# 26
67) 4-Bromophenyl-phenylether	10.698	248	12529	3.596	ng	# 1
77) Benizidine	12.980	184	11045	2.558	ng	# 91

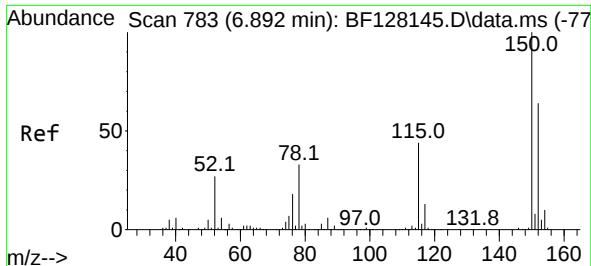
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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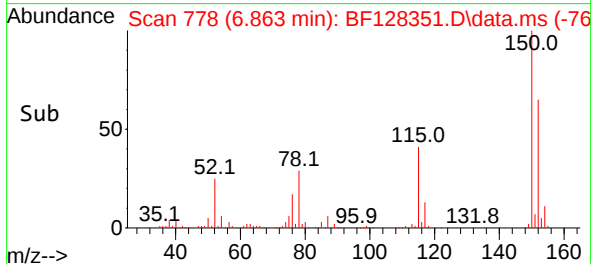
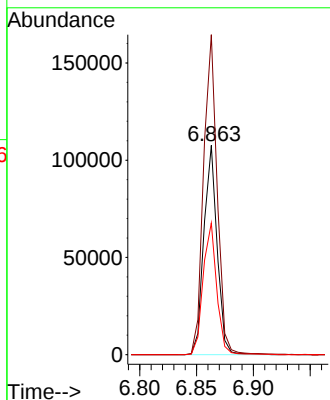
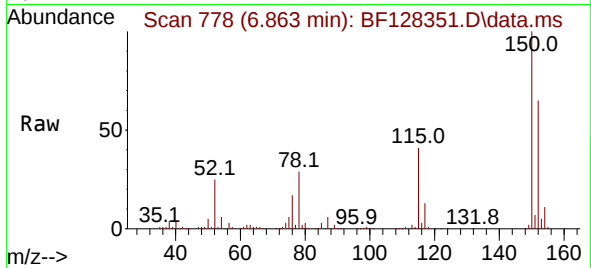




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

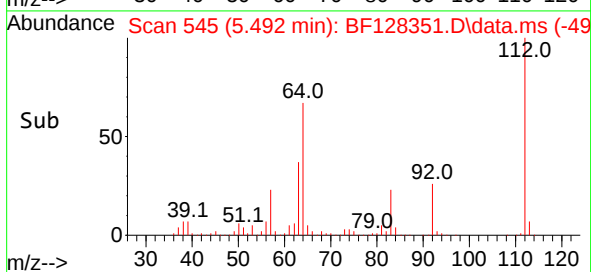
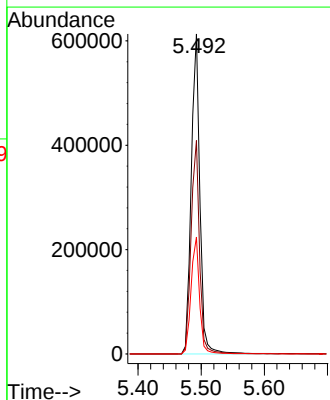
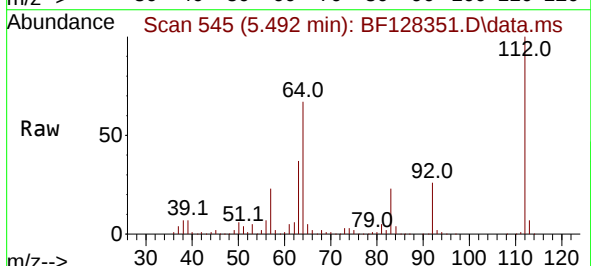
Instrument :
BNA_F
ClientSampleId :
P017-SS001-2430-01

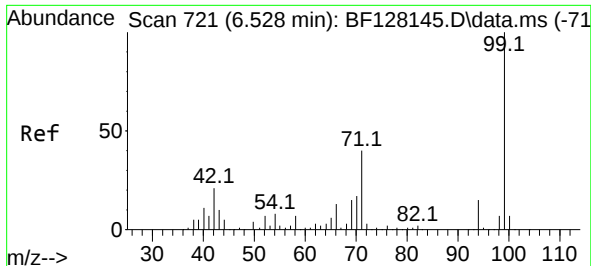
Tgt Ion:152 Resp: 87131
Ion Ratio Lower Upper
152 100
150 152.9 125.3 187.9
115 63.0 48.8 73.2



#5
2-Fluorophenol
Concen: 107.089 ng
RT: 5.492 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

Tgt Ion:112 Resp: 585319
Ion Ratio Lower Upper
112 100
64 66.7 49.5 74.3
63 36.5 26.3 39.5

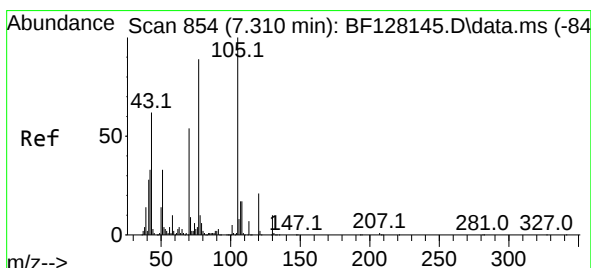
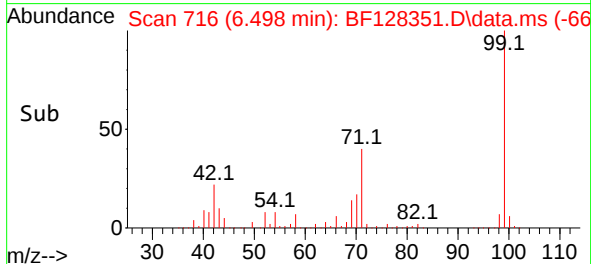
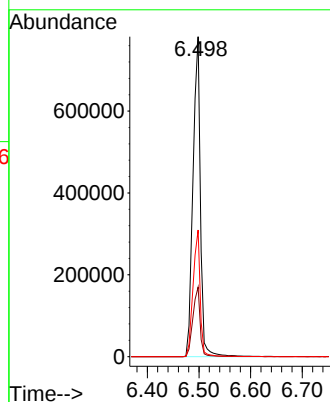
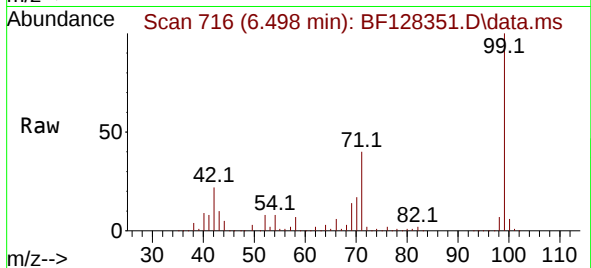




#7
Phenol-d6
Concen: 107.788 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

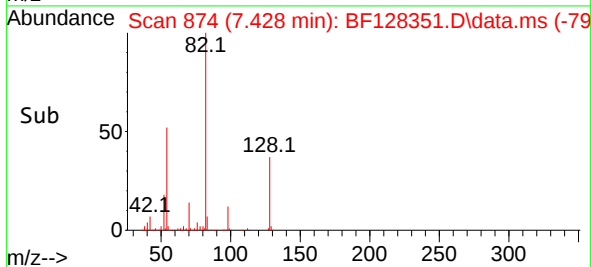
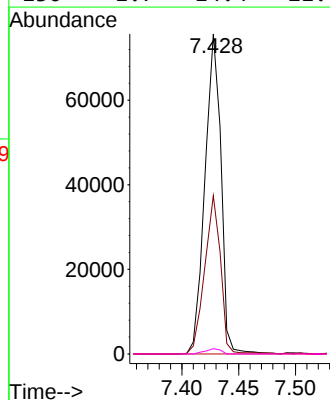
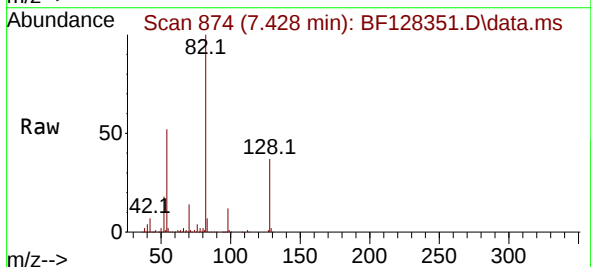
Instrument :
BNA_F
ClientSampleId :
P017-SS001-2430-01

Tgt Ion: 99 Resp: 779230
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 39.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.669 ng
RT: 7.428 min Scan# 874
Delta R.T. 0.141 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

Tgt Ion: 70 Resp: 74208
Ion Ratio Lower Upper
70 100
42 49.5 48.7 73.1
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF128351.D

Acq: 19 May 2022 22:23

Instrument :

BNA_F

ClientSampleId :

P017-SS001-2430-01

Tgt Ion:136 Resp: 334048

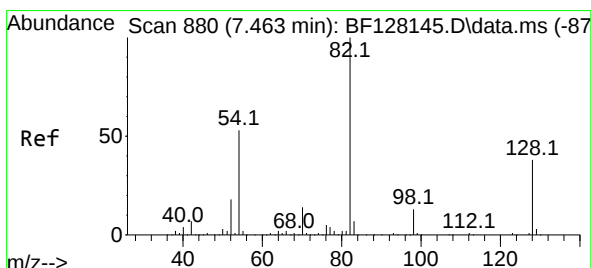
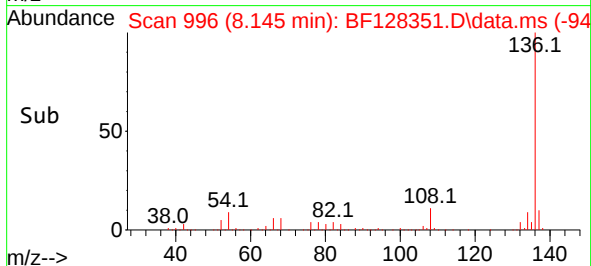
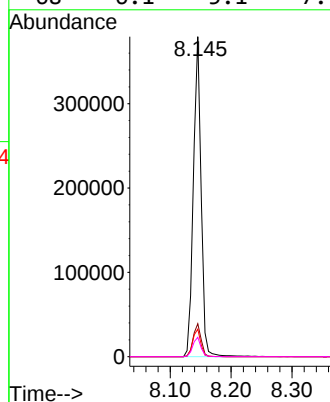
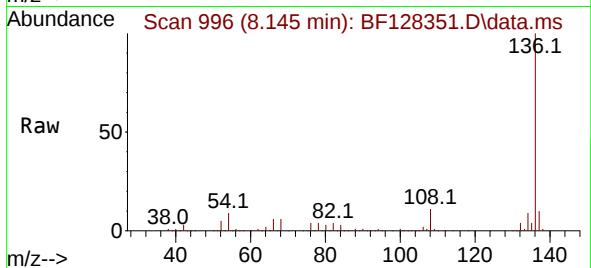
Ion Ratio Lower Upper

136 100

137 10.3 8.6 13.0

54 8.6 6.8 10.2

68 6.1 5.1 7.7



#23

Nitrobenzene-d5

Concen: 74.072 ng

RT: 7.428 min Scan# 874

Delta R.T. -0.018 min

Lab File: BF128351.D

Acq: 19 May 2022 22:23

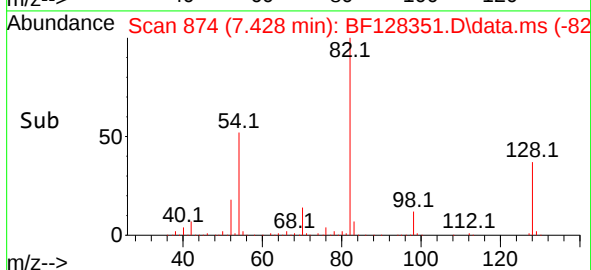
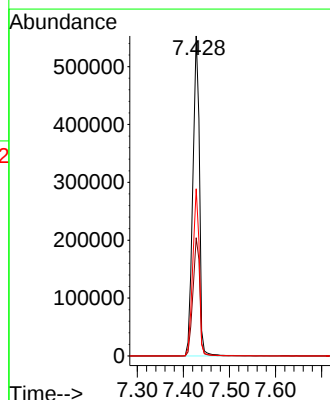
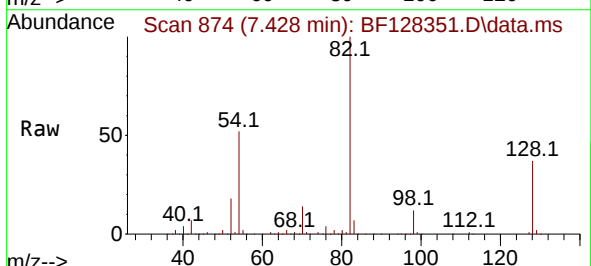
Tgt Ion: 82 Resp: 549903

Ion Ratio Lower Upper

82 100

128 36.9 30.0 45.0

54 52.3 41.3 61.9

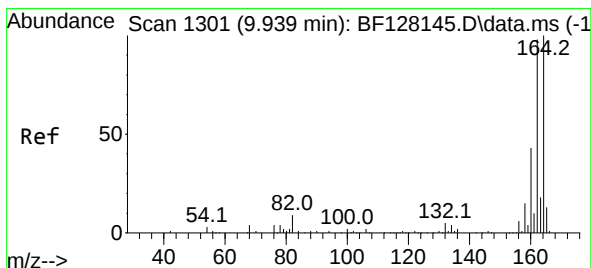
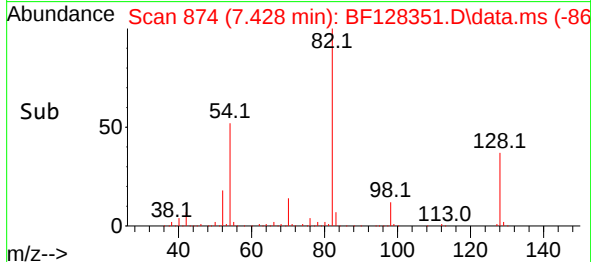
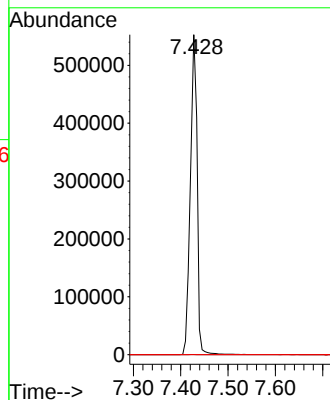
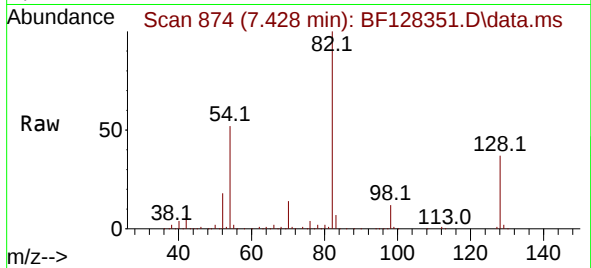




#25
Isophorone
Concen: 47.247 ng
RT: 7.428 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

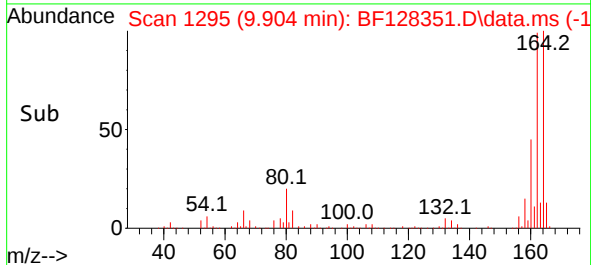
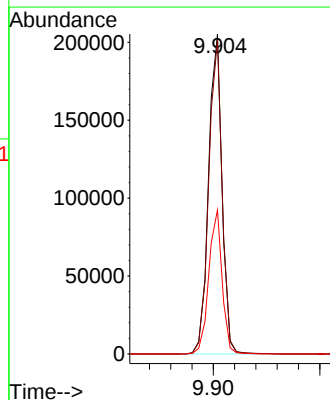
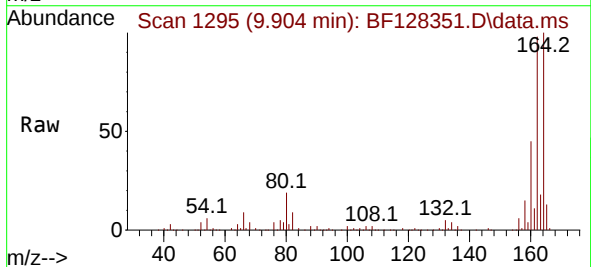
Instrument :
BNA_F
ClientSampleId :
P017-SS001-2430-01

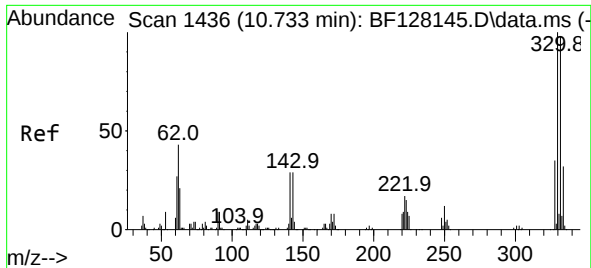
Tgt Ion: 82 Resp: 549899
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

Tgt Ion:164 Resp: 180028
Ion Ratio Lower Upper
164 100
162 98.2 76.0 114.0
160 45.0 34.8 52.2

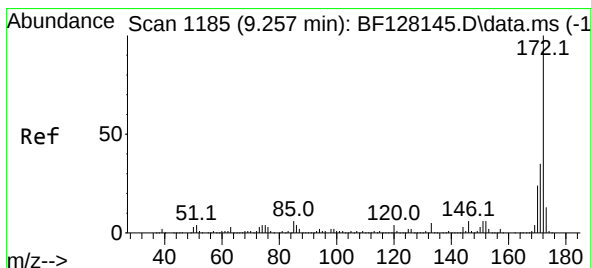
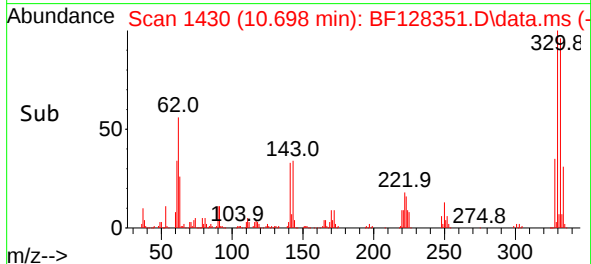
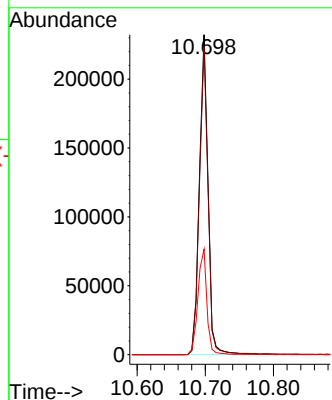
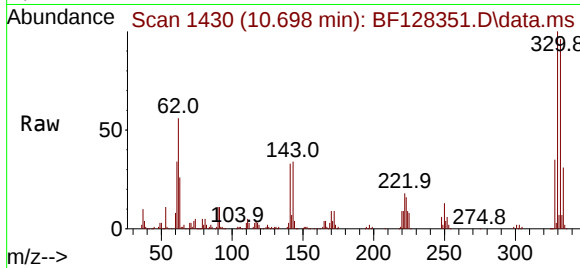




#42
2,4,6-Tribromophenol
Concen: 100.318 ng
RT: 10.698 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

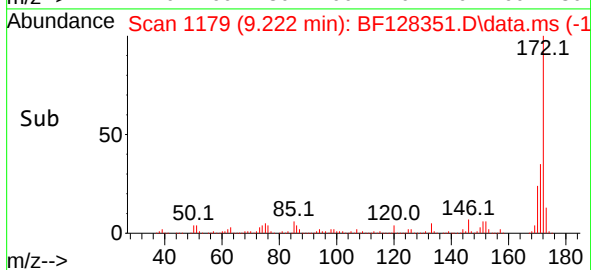
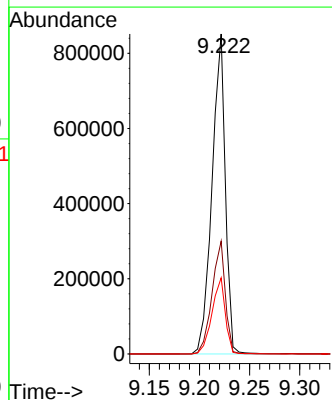
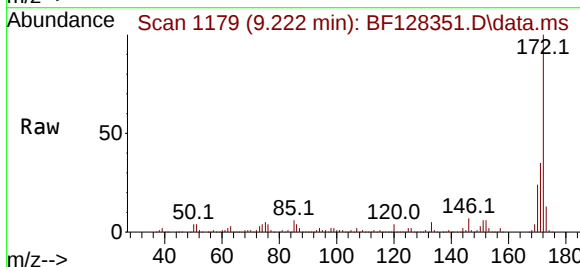
Instrument :
BNA_F
ClientSampleId :
P017-SS001-2430-01

Tgt Ion: 330 Resp: 207126
Ion Ratio Lower Upper
330 100
332 95.2 79.0 118.4
141 34.0 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 68.537 ng
RT: 9.222 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

Tgt Ion: 172 Resp: 788559
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.8 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.240 ng

RT: 9.904 min Scan# 1295

Delta R.T. 0.200 min

Lab File: BF128351.D

Acq: 19 May 2022 22:23

Instrument :

BNA_F

ClientSampleId :

P017-SS001-2430-01

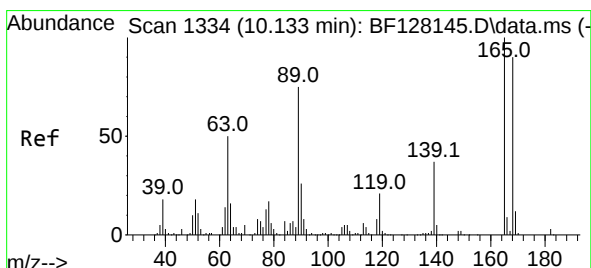
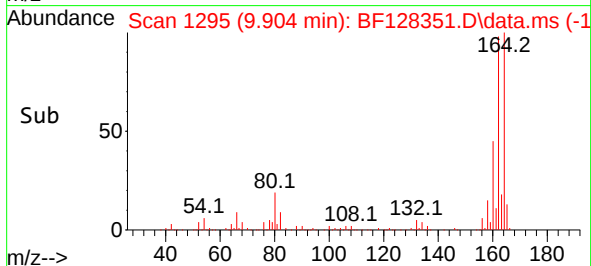
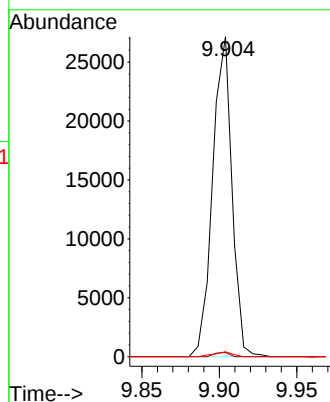
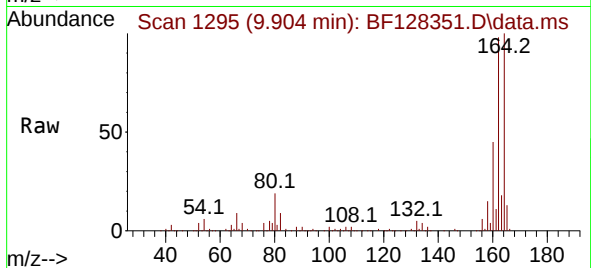
Tgt Ion:165 Resp: 23547

Ion Ratio Lower Upper

165 100

63 1.4 49.5 74.3#

89 1.6 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.910 ng

RT: 9.904 min Scan# 1295

Delta R.T. -0.212 min

Lab File: BF128351.D

Acq: 19 May 2022 22:23

Tgt Ion:165 Resp: 23547

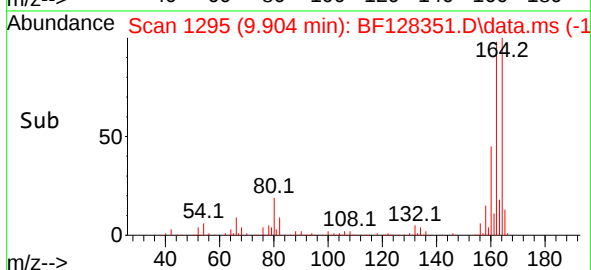
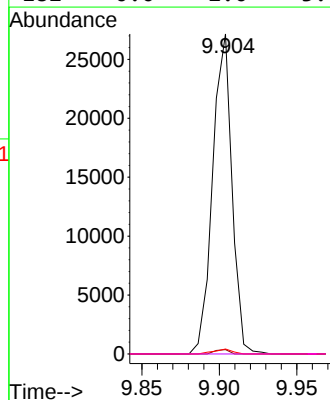
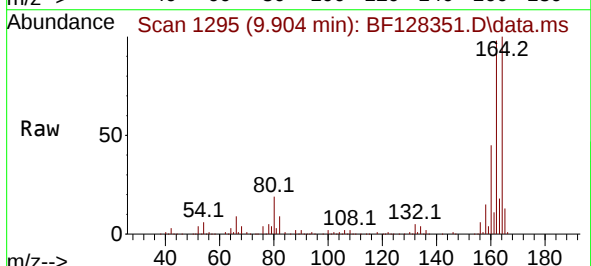
Ion Ratio Lower Upper

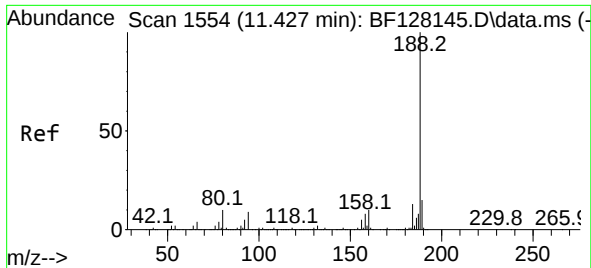
165 100

63 1.4 32.6 49.0#

89 1.6 55.2 82.8#

182 0.0 2.0 3.0#

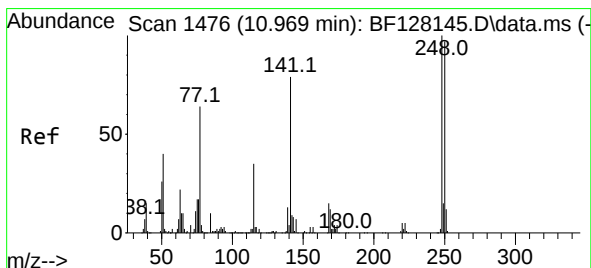
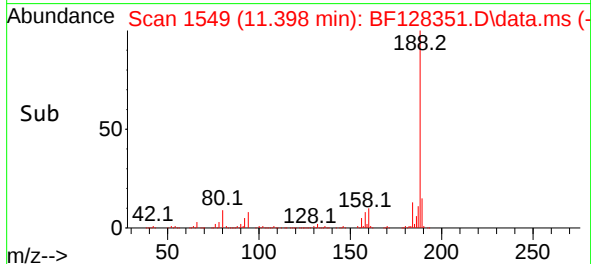
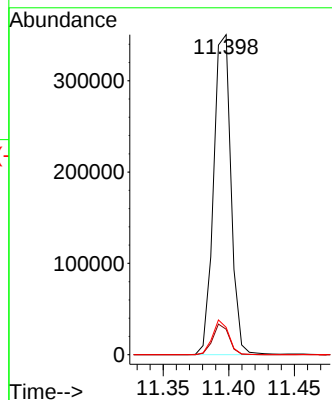
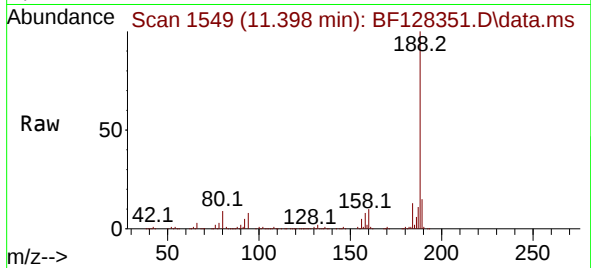




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

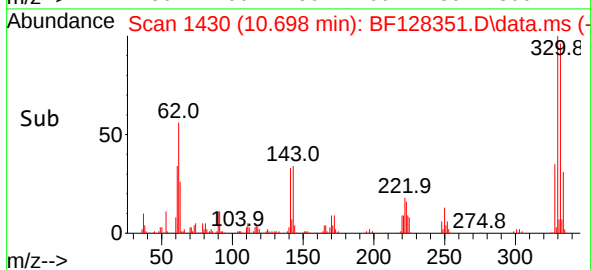
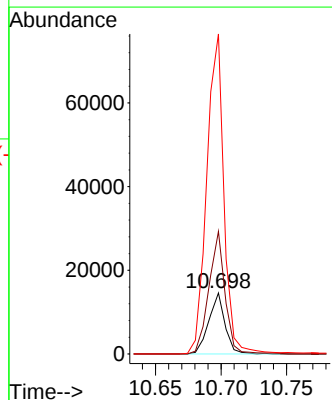
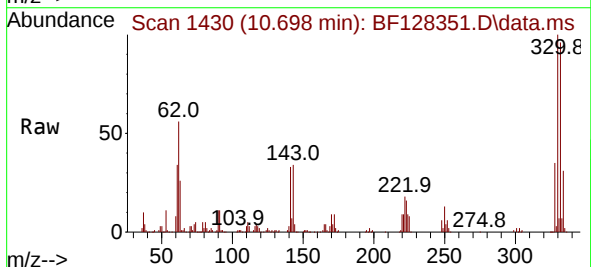
Instrument :
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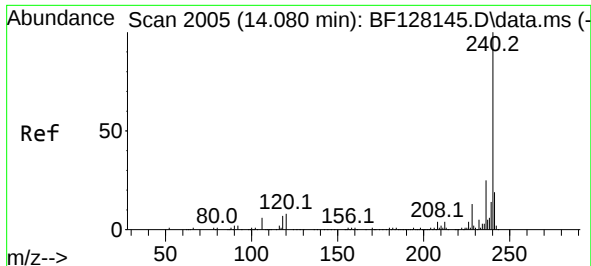
Tgt Ion:188 Resp: 323876
Ion Ratio Lower Upper
188 100
94 8.0 8.0 12.0#
80 8.5 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 3.596 ng
RT: 10.698 min Scan# 1430
Delta R.T. -0.247 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

Tgt Ion:248 Resp: 12529
Ion Ratio Lower Upper
248 100
250 201.3 77.7 116.5#
141 525.2 65.6 98.4#

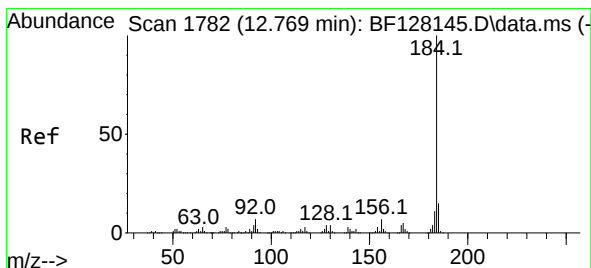
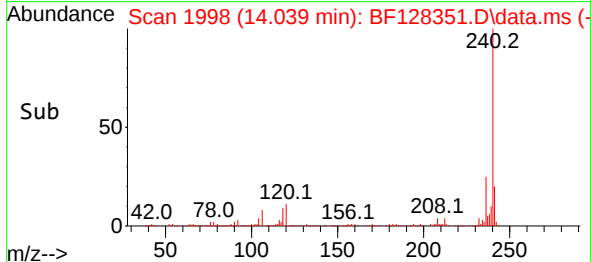
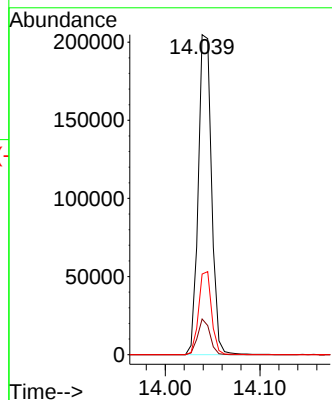
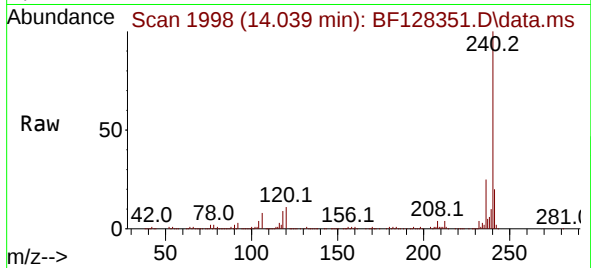




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

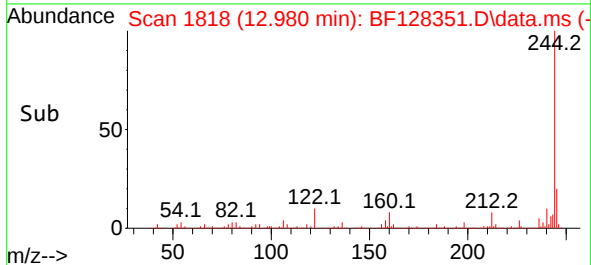
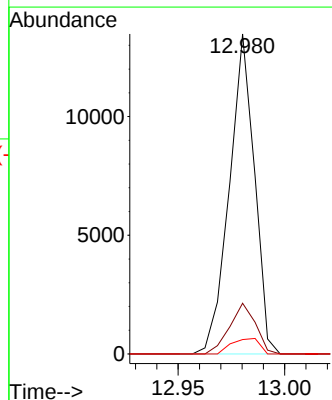
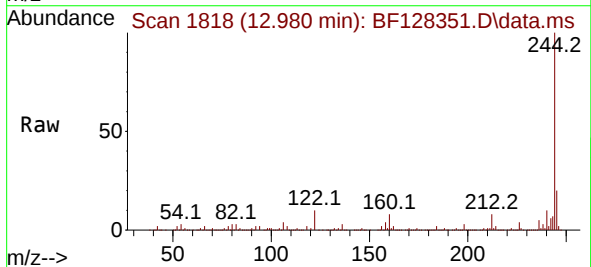
Instrument :
BNA_F
ClientSampleId :
P017-SS001-2430-01

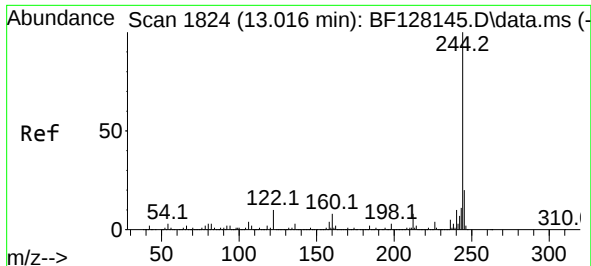
Tgt Ion:240 Resp: 199384
Ion Ratio Lower Upper
240 100
120 11.2 7.0 10.6#
236 25.2 20.3 30.5



#77
Benzidine
Concen: 2.558 ng
RT: 12.980 min Scan# 1818
Delta R.T. 0.235 min
Lab File: BF128351.D
Acq: 19 May 2022 22:23

Tgt Ion:184 Resp: 11045
Ion Ratio Lower Upper
184 100
185 15.9 12.1 18.1
183 4.5 9.0 13.4#

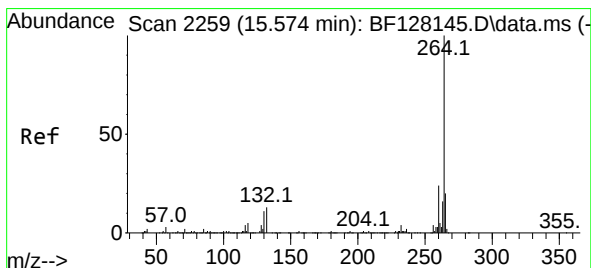
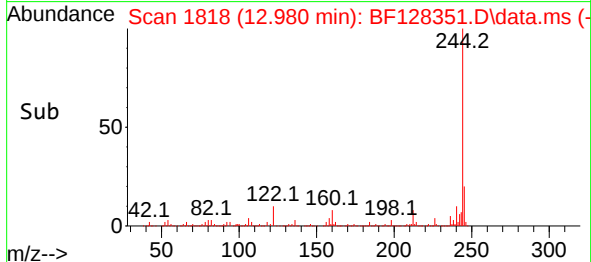
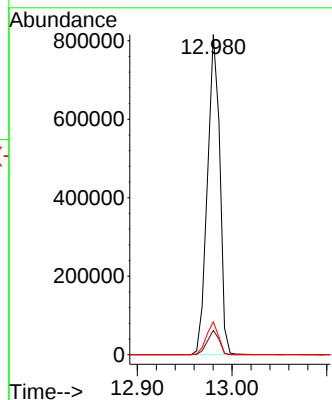
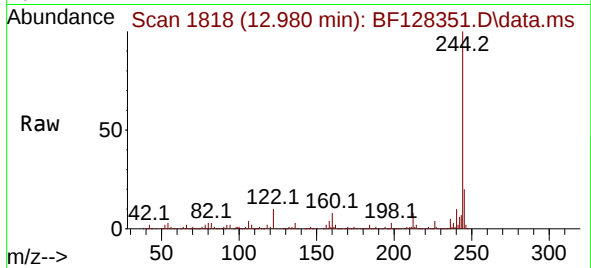




#79
 Terphenyl-d14
 Concen: 69.222 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128351.D
 Acq: 19 May 2022 22:23

Instrument :
 BNA_F
 ClientSampleId :
 P017-SS001-2430-01

Tgt Ion:244 Resp: 735540
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 10.2 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2252
 Delta R.T. -0.012 min
 Lab File: BF128351.D
 Acq: 19 May 2022 22:23

Tgt Ion:264 Resp: 206075
 Ion Ratio Lower Upper
 264 100
 260 23.5 20.1 30.1
 265 20.9 17.5 26.3

