

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052322\
 Data File : BF128411.D
 Acq On : 23 May 2022 20:40
 Operator : CG\JU
 Sample : N2873-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P031-SS001-1218-01

Quant Time: May 24 01:23:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 05:28:09 2022
 Response via : Initial Calibration

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

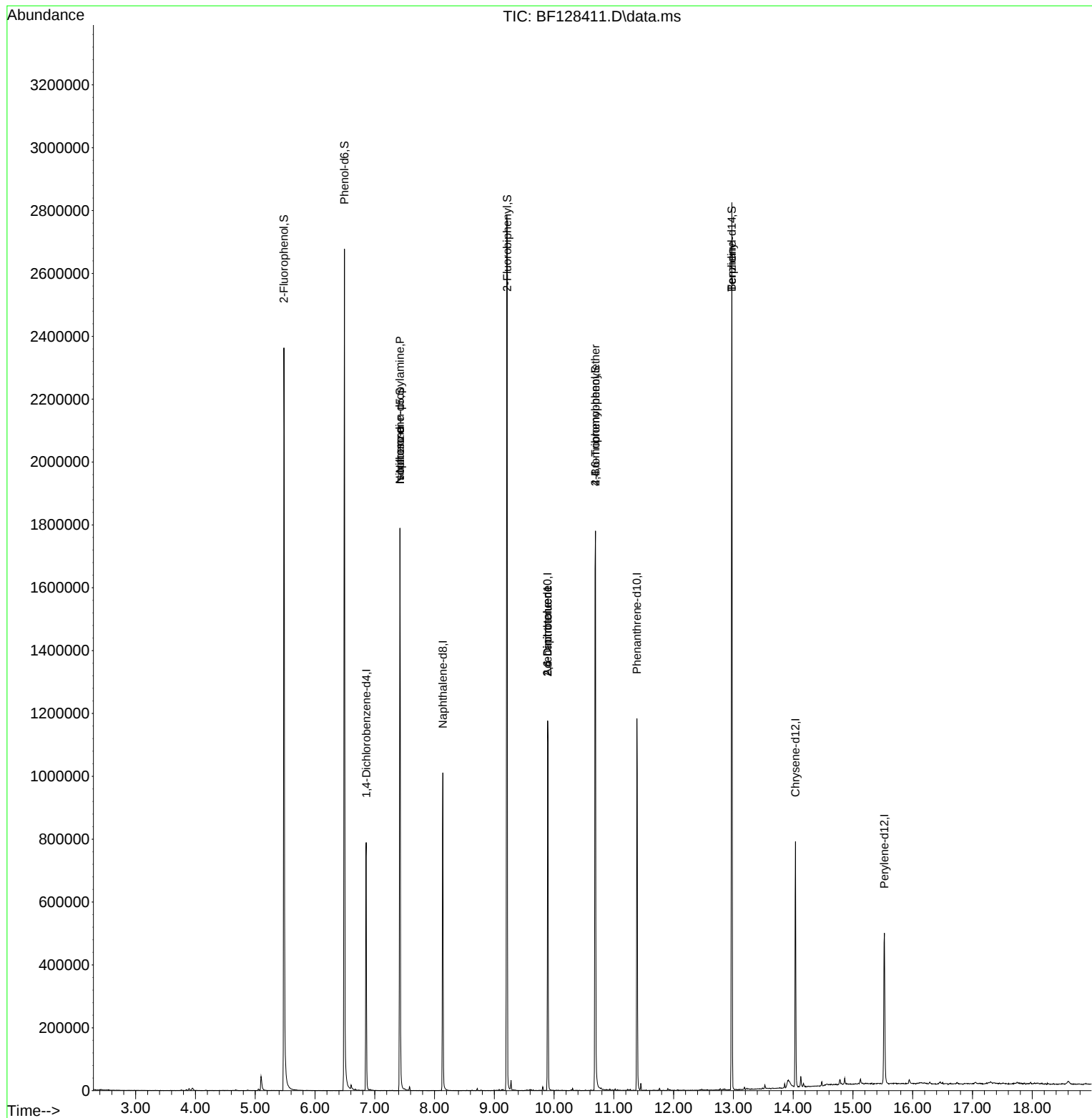
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	120632	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	439558	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	253587	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	438591	20.000	ng	0.00
76) Chrysene-d12	14.039	240	266326	20.000	ng	-0.01
86) Perylene-d12	15.527	264	233136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	667322	88.033	ng	0.00
7) Phenol-d6	6.492	99	887779	88.940	ng	0.00
23) Nitrobenzene-d5	7.422	82	604754	61.644	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	221916	84.855	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	927163	59.791	ng	0.00
79) Terphenyl-d14	12.974	244	926583	67.162	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.492	77	1518	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.422	70	80718	13.521 ng	#	79
25) Isophorone	7.422	82	604748	40.225 ng	#	68
51) 2,6-Dinitrotoluene	9.892	165	32483	9.195 ng	#	21
57) 2,4-Dinitrotoluene	9.892	165	32483	7.298 ng	#	26
67) 4-Bromophenyl-phenylether	10.692	248	13514	2.944 ng	#	1
77) Benizidine	12.974	184	12826	2.315 ng	#	95

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

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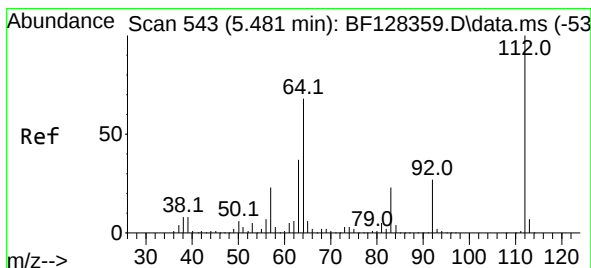
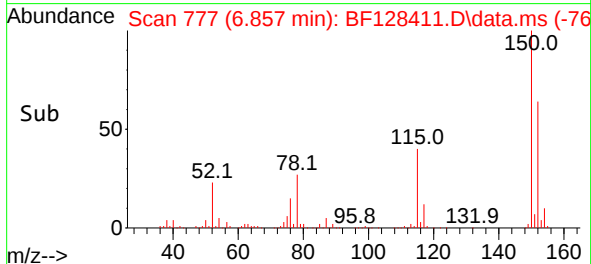
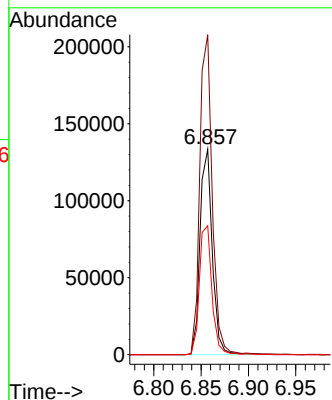
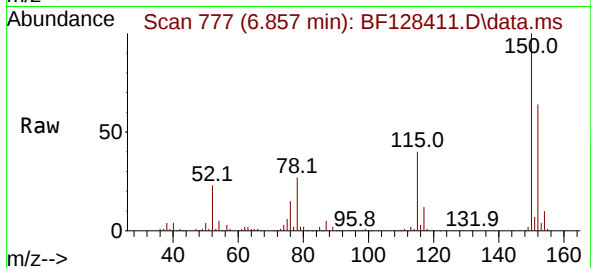




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

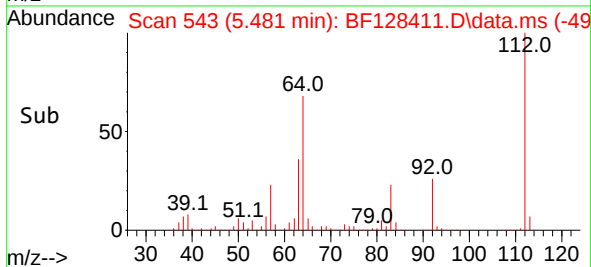
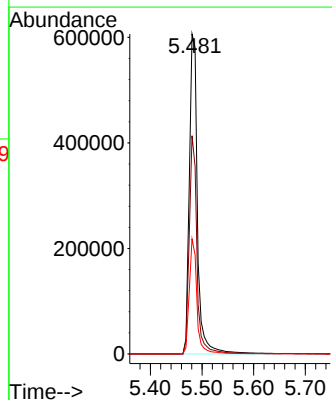
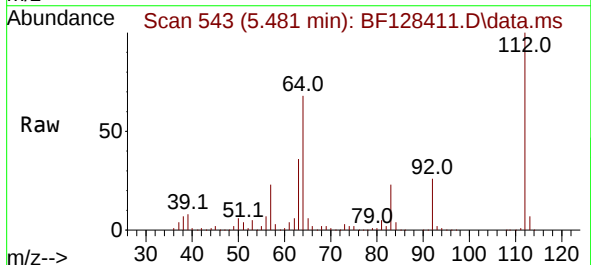
Instrument :
BNA_F
ClientSampleId :
P031-SS001-1218-01

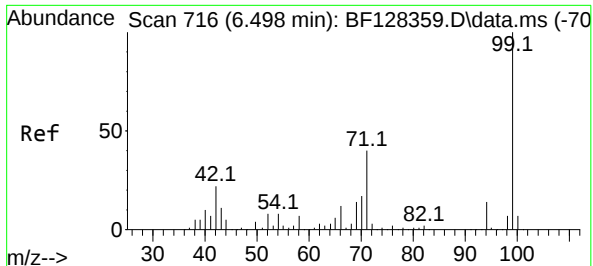
Tgt Ion:152 Resp: 120632
Ion Ratio Lower Upper
152 100
150 155.7 125.3 187.9
115 62.8 48.8 73.2



#5
2-Fluorophenol
Concen: 88.033 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

Tgt Ion:112 Resp: 667322
Ion Ratio Lower Upper
112 100
64 68.2 49.5 74.3
63 36.0 26.3 39.5

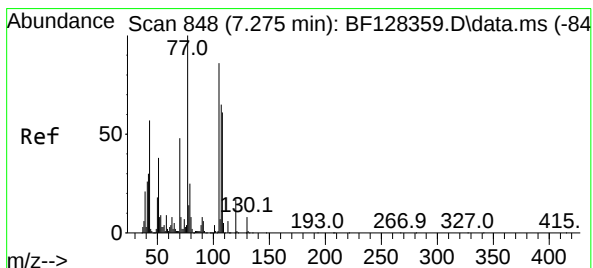
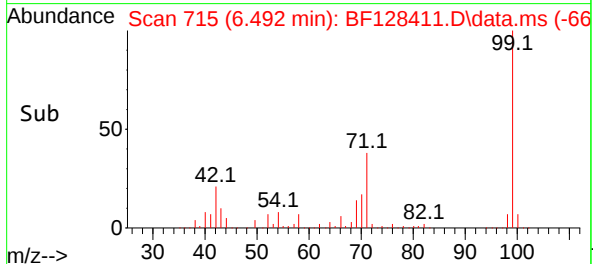
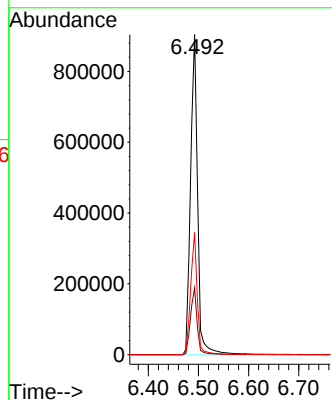
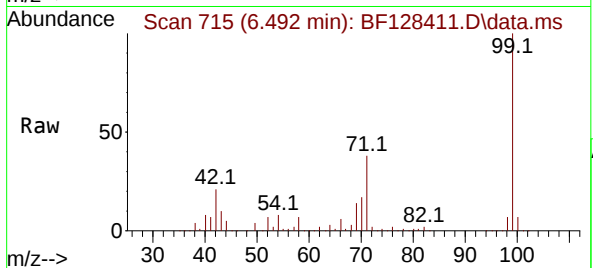




#7
Phenol-d6
Concen: 88.940 ng
RT: 6.492 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

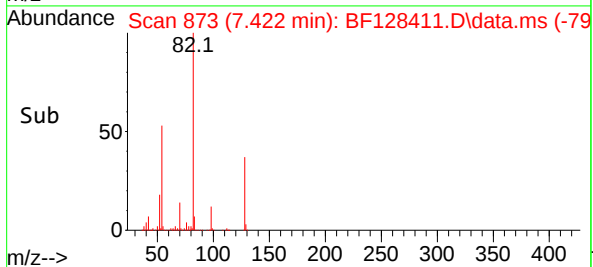
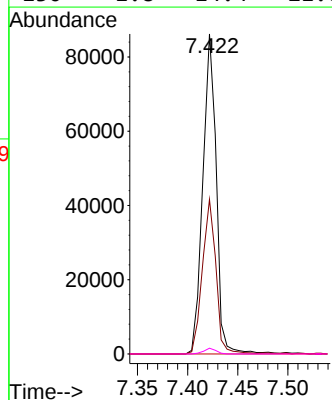
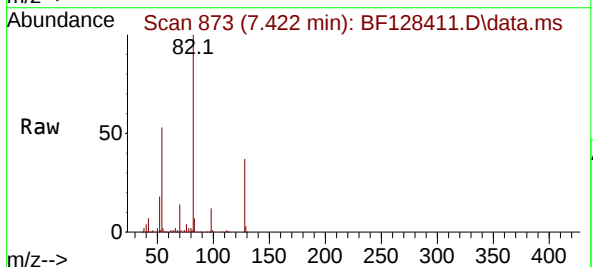
Instrument :
BNA_F
ClientSampleId :
P031-SS001-1218-01

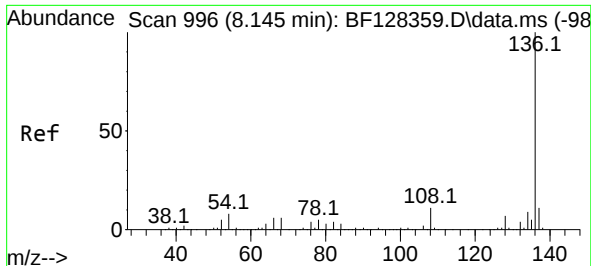
Tgt Ion: 99 Resp: 887779
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 38.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.521 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.147 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

Tgt Ion: 70 Resp: 80718
Ion Ratio Lower Upper
70 100
42 48.3 48.7 73.1#
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#

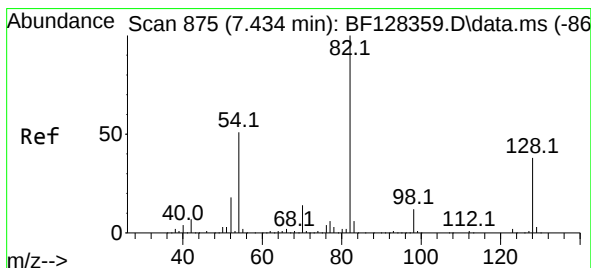
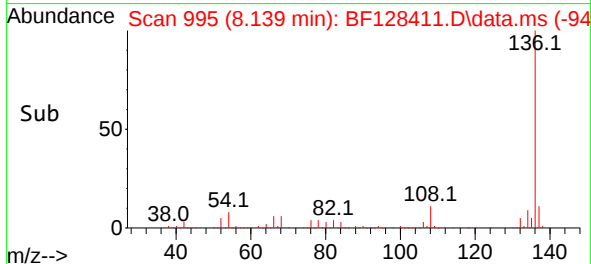
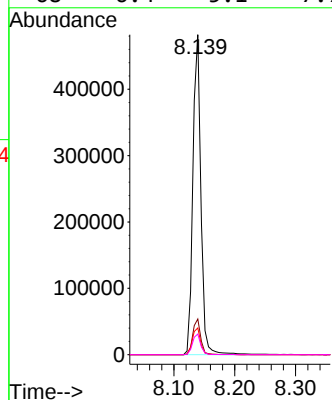
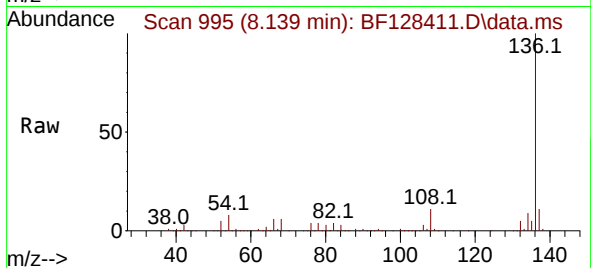




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

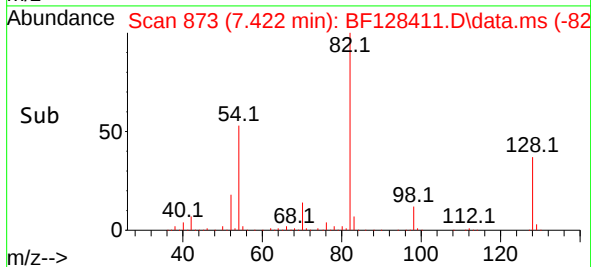
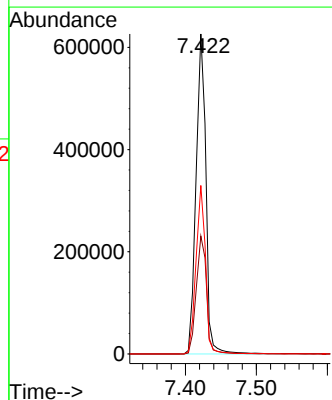
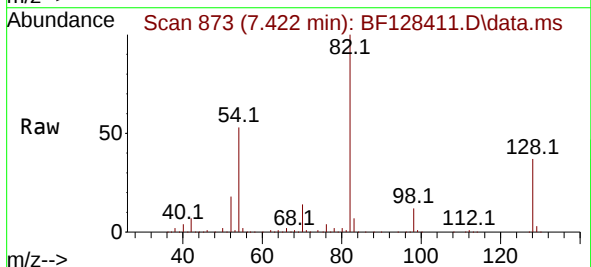
Instrument :
BNA_F
ClientSampleId :
P031-SS001-1218-01

Tgt Ion:	136	Resp:	439558
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	8.4	6.8	10.2
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 61.644 ng
RT: 7.422 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

Tgt Ion:	82	Resp:	604754
Ion Ratio	Lower	Upper	
82	100		
128	36.8	30.0	45.0
54	52.7	41.3	61.9

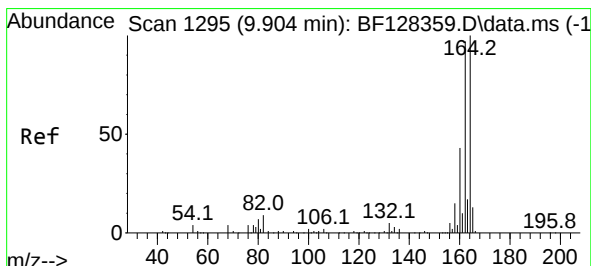
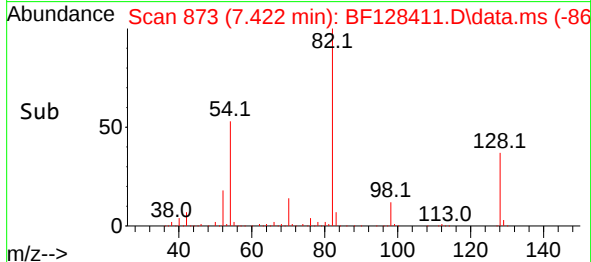
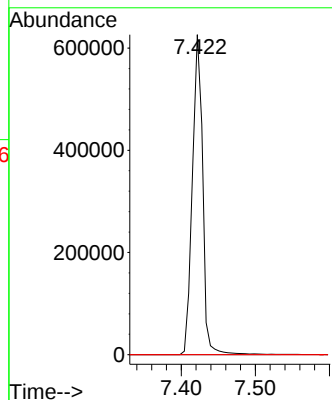
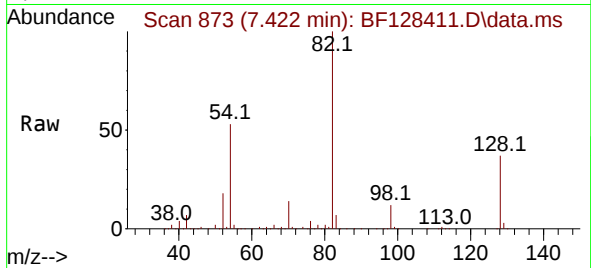




#25
Isophorone
Concen: 40.225 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

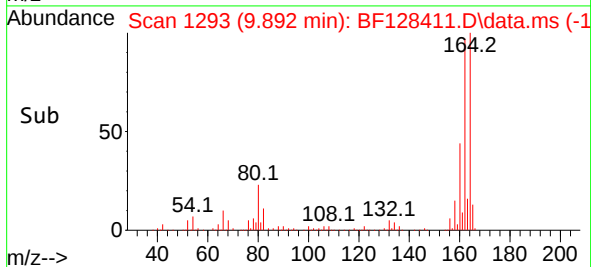
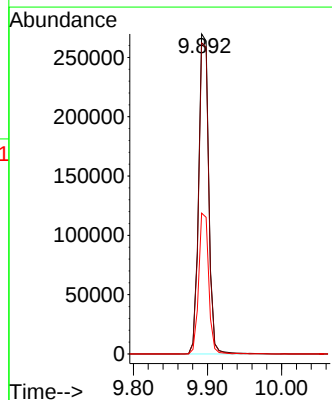
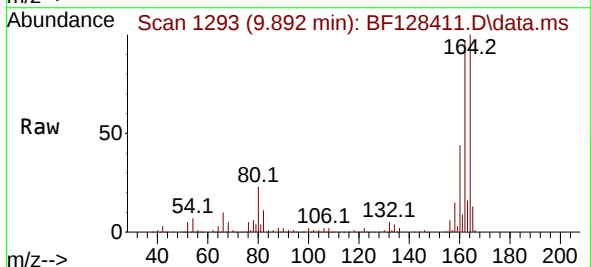
Instrument :
BNA_F
ClientSampleId :
P031-SS001-1218-01

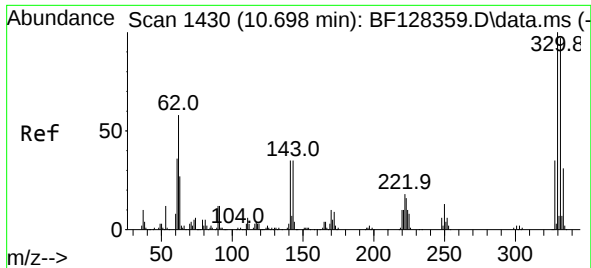
Tgt Ion: 82 Resp: 604748
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF128411.D
Acq: 23 May 2022 20:40

Tgt Ion:164 Resp: 253587
Ion Ratio Lower Upper
164 100
162 97.2 76.0 114.0
160 44.0 34.8 52.2

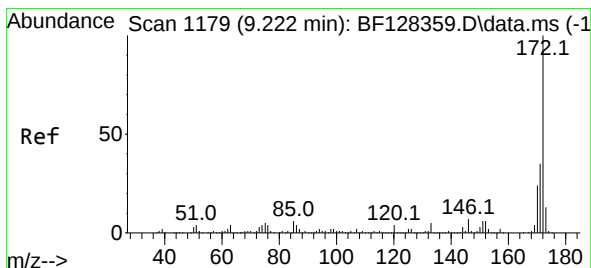
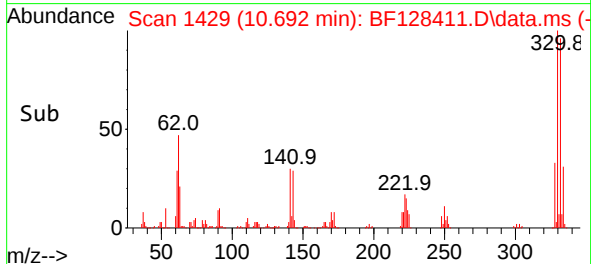
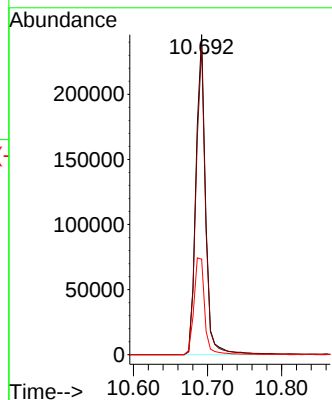
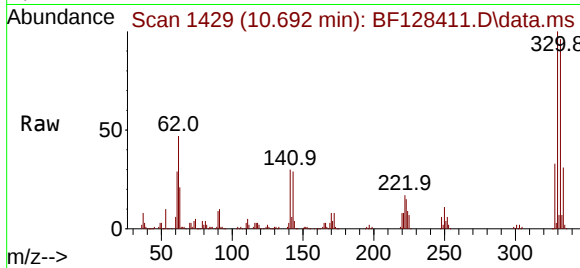




#42
 2,4,6-Tribromophenol
 Concen: 84.855 ng
 RT: 10.692 min Scan# 1429
 Delta R.T. -0.006 min
 Lab File: BF128411.D
 Acq: 23 May 2022 20:40

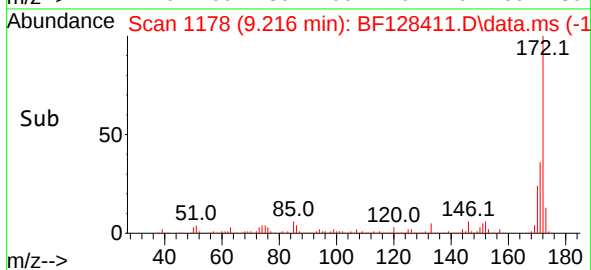
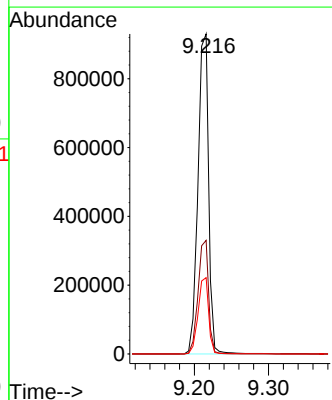
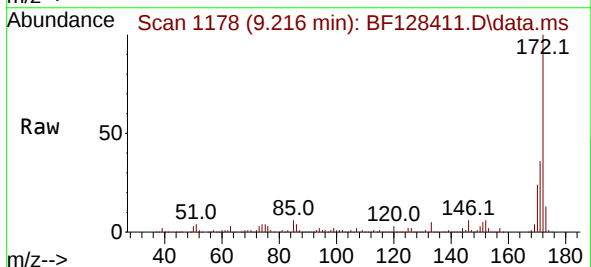
Instrument :
 BNA_F
 ClientSampleId :
 P031-SS001-1218-01

Tgt Ion: 330 Resp: 221916
 Ion Ratio Lower Upper
 330 100
 332 95.4 79.0 118.4
 141 33.9 28.9 43.3



#45
 2-Fluorobiphenyl
 Concen: 59.791 ng
 RT: 9.216 min Scan# 1178
 Delta R.T. -0.006 min
 Lab File: BF128411.D
 Acq: 23 May 2022 20:40

Tgt Ion: 172 Resp: 927163
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.9 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.195 ng

RT: 9.892 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF128411.D

Acq: 23 May 2022 20:40

Instrument :

BNA_F

ClientSampleId :

P031-SS001-1218-01

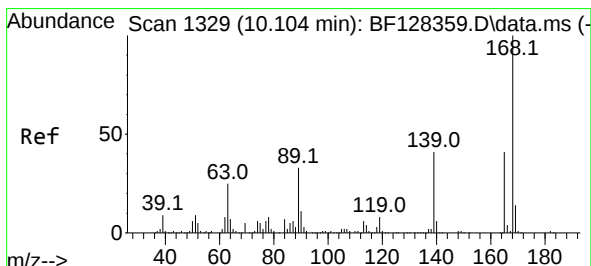
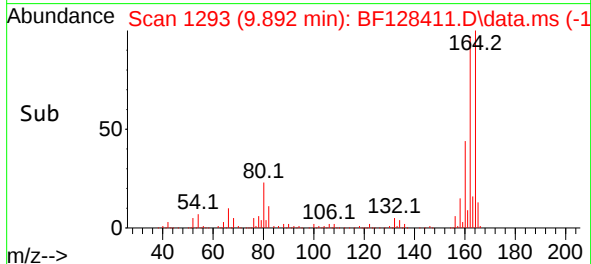
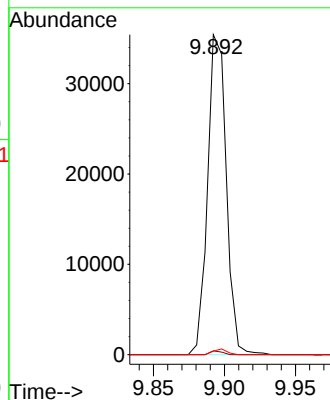
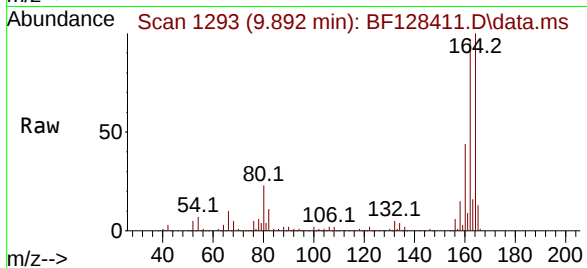
Tgt Ion:165 Resp: 32483

Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.1 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 7.298 ng

RT: 9.892 min Scan# 1293

Delta R.T. -0.212 min

Lab File: BF128411.D

Acq: 23 May 2022 20:40

Tgt Ion:165 Resp: 32483

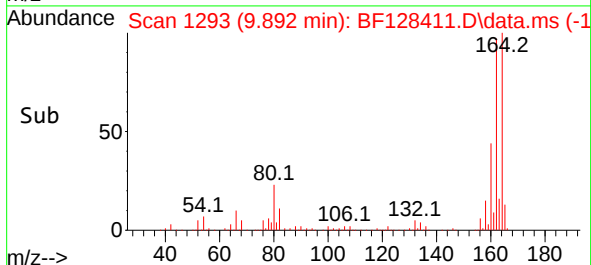
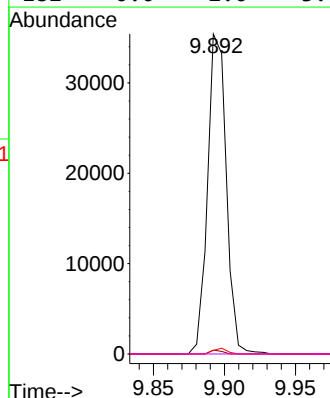
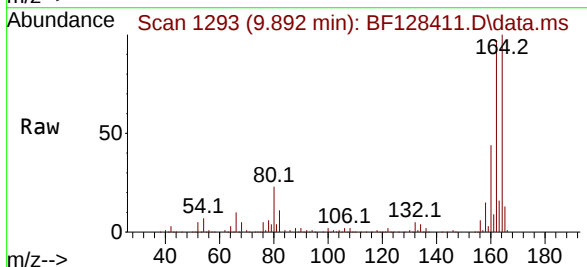
Ion Ratio Lower Upper

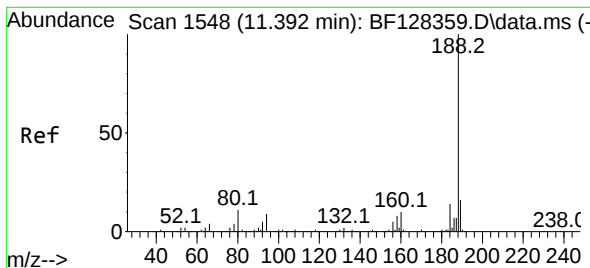
165 100

63 1.2 32.6 49.0#

89 1.1 55.2 82.8#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128411.D

Acq: 23 May 2022 20:40

Instrument :

BNA_F

ClientSampleId :

P031-SS001-1218-01

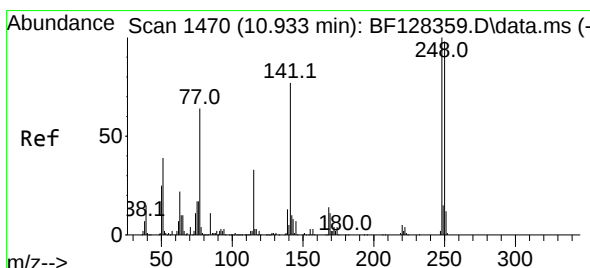
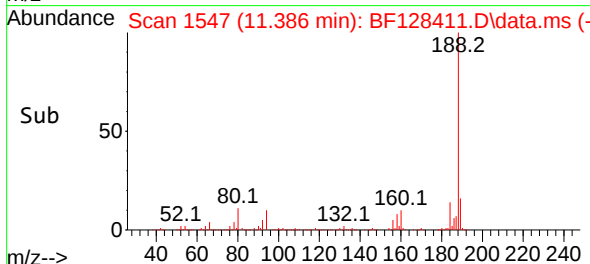
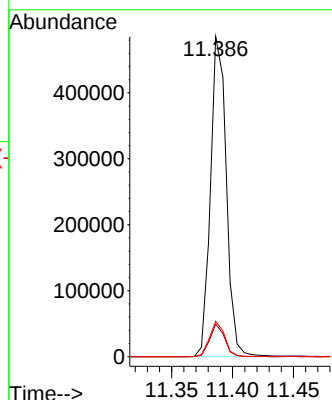
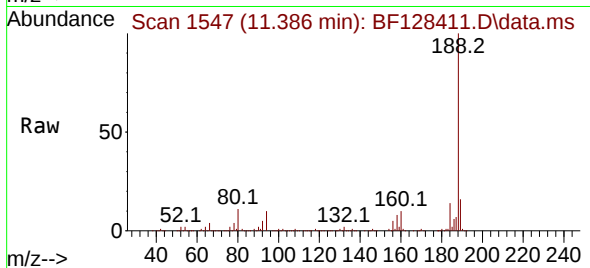
Tgt Ion:188 Resp: 438591

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

80 11.1 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 2.944 ng

RT: 10.692 min Scan# 1429

Delta R.T. -0.241 min

Lab File: BF128411.D

Acq: 23 May 2022 20:40

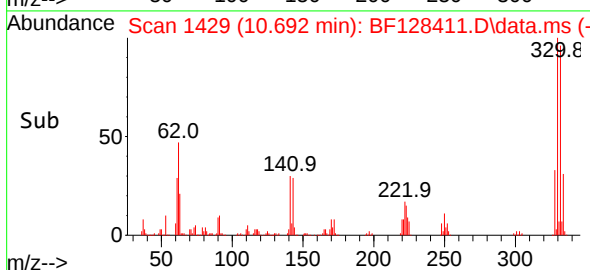
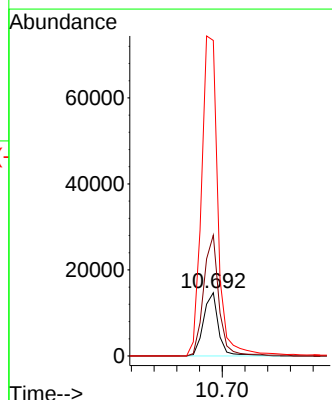
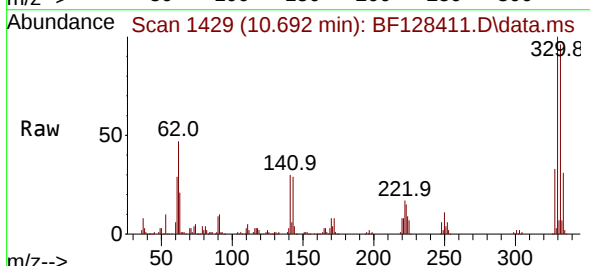
Tgt Ion:248 Resp: 13514

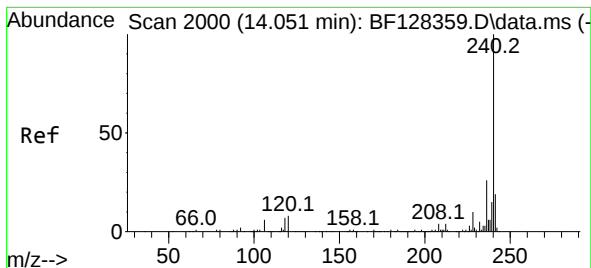
Ion Ratio Lower Upper

248 100

250 191.3 77.7 116.5#

141 499.5 65.6 98.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.012 min

Lab File: BF128411.D

Acq: 23 May 2022 20:40

Instrument :

BNA_F

ClientSampleId :

P031-SS001-1218-01

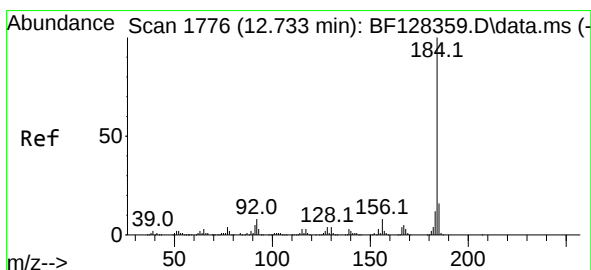
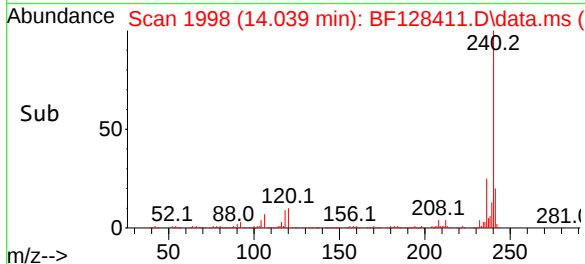
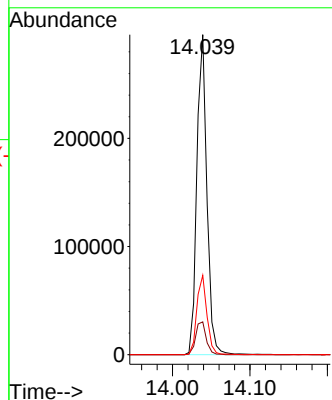
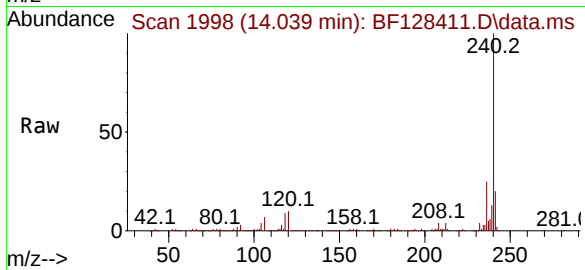
Tgt Ion:240 Resp: 266326

Ion Ratio Lower Upper

240 100

120 10.3 7.0 10.6

236 24.8 20.3 30.5



#77

Benzidine

Concen: 2.315 ng

RT: 12.974 min Scan# 1817

Delta R.T. 0.241 min

Lab File: BF128411.D

Acq: 23 May 2022 20:40

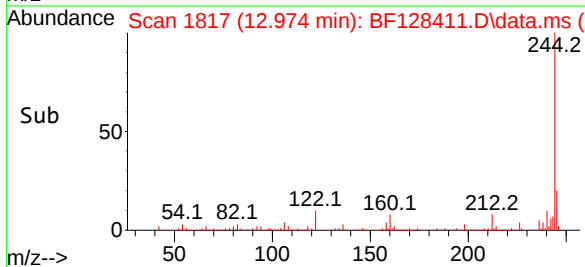
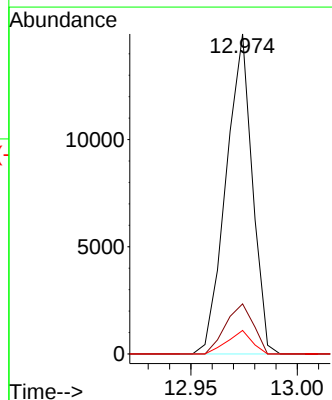
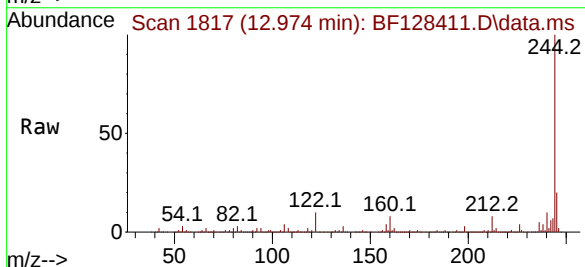
Tgt Ion:184 Resp: 12826

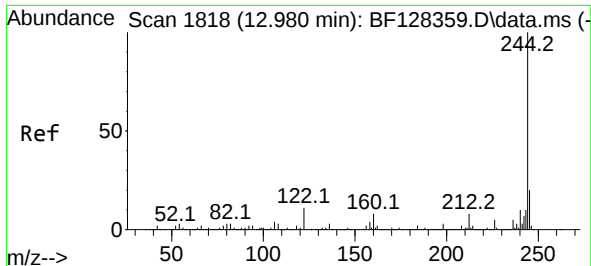
Ion Ratio Lower Upper

184 100

185 15.6 12.1 18.1

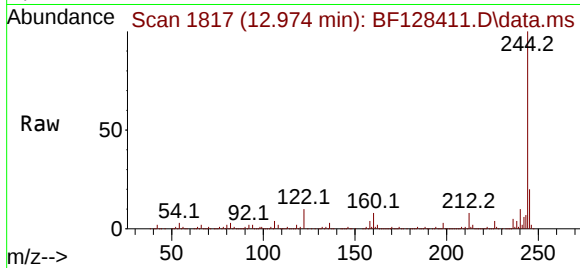
183 7.4 9.0 13.4#



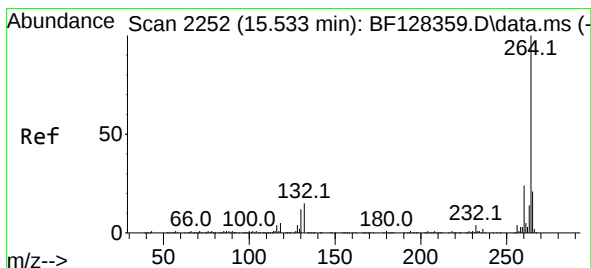
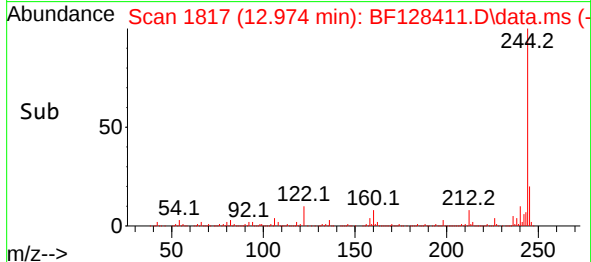
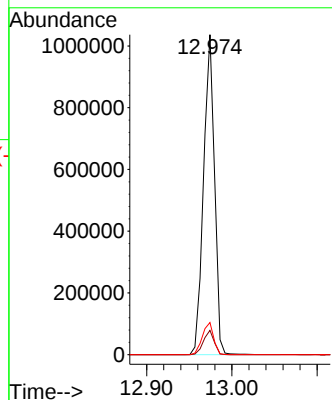


#79
 Terphenyl-d14
 Concen: 67.162 ng
 RT: 12.974 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF128411.D
 Acq: 23 May 2022 20:40

Instrument :
 BNA_F
 ClientSampleId :
 P031-SS001-1218-01



Tgt Ion:244 Resp: 926583
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 10.0 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2251
 Delta R.T. -0.006 min
 Lab File: BF128411.D
 Acq: 23 May 2022 20:40

Tgt Ion:264 Resp: 233136
 Ion Ratio Lower Upper
 264 100
 260 23.6 20.1 30.1
 265 20.9 17.5 26.3

