

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136121.D
 Acq On : 03 Nov 2023 13:38
 Operator : CG\JU
 Sample : 05143-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-1

Quant Time: Nov 03 14:10:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

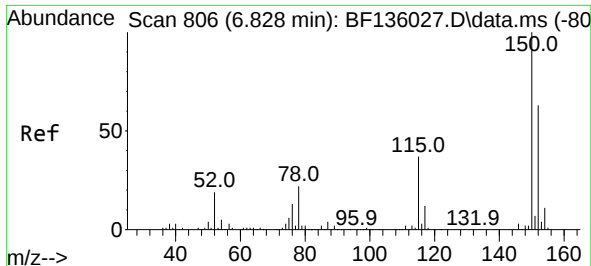
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	91761	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	352857	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	170579	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	282722	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	190425	20.000	ng	-0.01
86) Perylene-d12	15.492	264	232270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	140317	24.029	ng	-0.01
7) Phenol-d6	6.440	99	117619	16.166	ng	-0.02
23) Nitrobenzene-d5	7.381	82	390615	66.733	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	80115	44.002	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	708671	66.227	ng	-0.01
79) Terphenyl-d14	12.945	244	650559	53.091	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	51779	12.456	ng	# 76
25) Isophorone	7.381	82	390610	35.348	ng	# 64
32) Benzoic acid	7.816	122	63	5.128	ng	90
51) 2,6-Dinitrotoluene	9.857	165	22205	9.227	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	22205	7.293	ng	# 25
63) Azobenzene	10.569	77	20944	2.023	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.645	198	59	5.824	ng	# 1
77) Benzidine	12.945	184	8456	2.278	ng	# 87
92) Benzo(g,h,i)perylene	17.451	276	321	2.916	ng	# 53

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

Quant Time: Nov 03 14:10:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

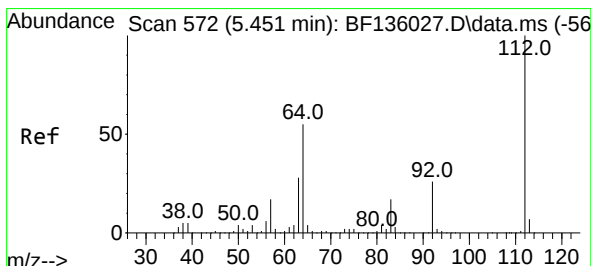
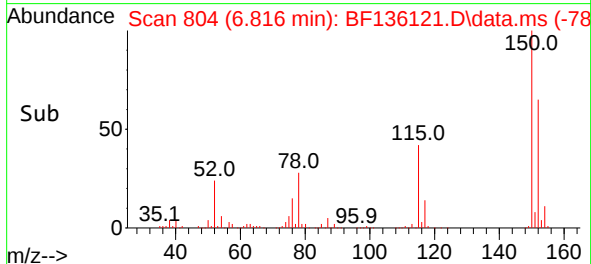
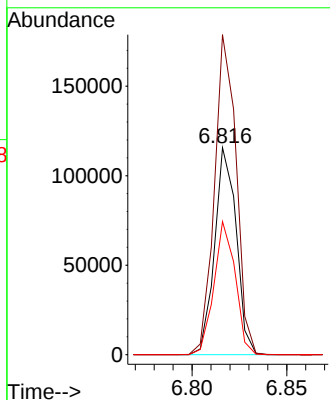
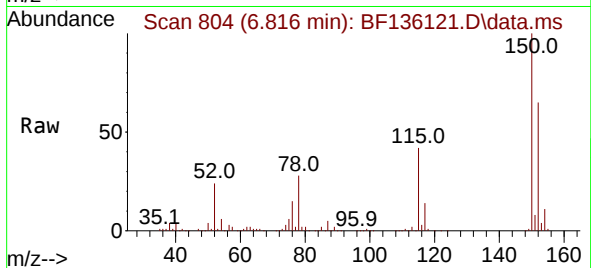




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136121.D
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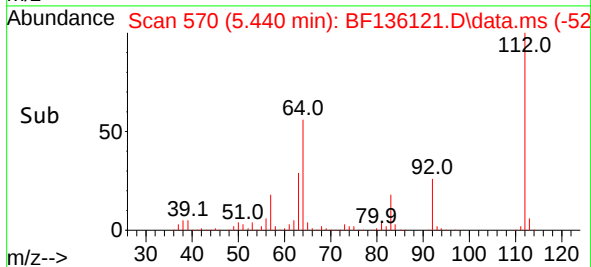
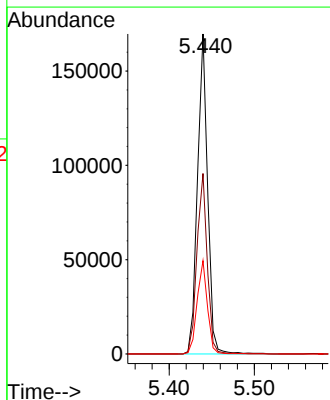
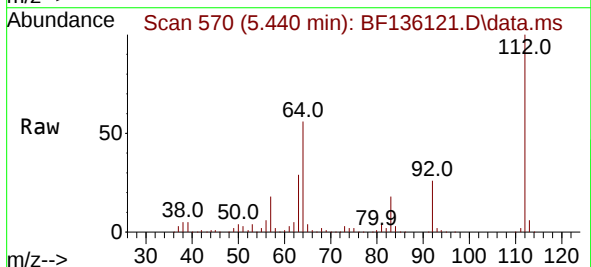
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-1

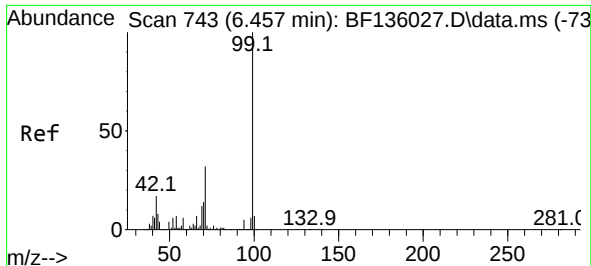
Tgt Ion:152 Resp: 91761
Ion Ratio Lower Upper
152 100
150 154.6 126.4 189.6
115 64.3 47.0 70.4



#5
2-Fluorophenol
Concen: 24.029 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

Tgt Ion:112 Resp: 140317
Ion Ratio Lower Upper
112 100
64 56.4 43.9 65.9
63 29.1 22.4 33.6

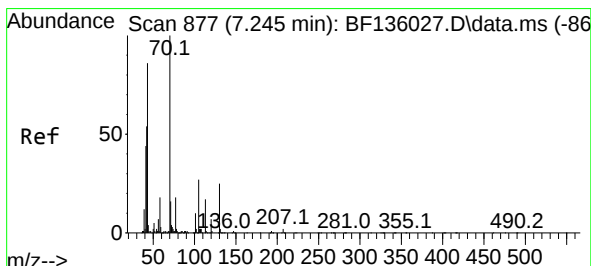
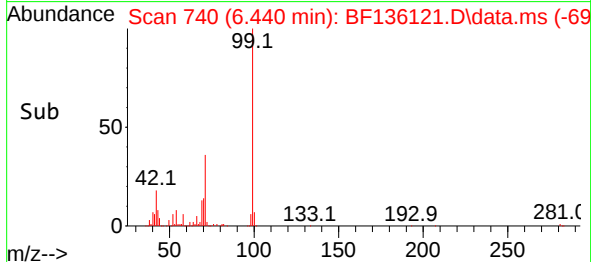
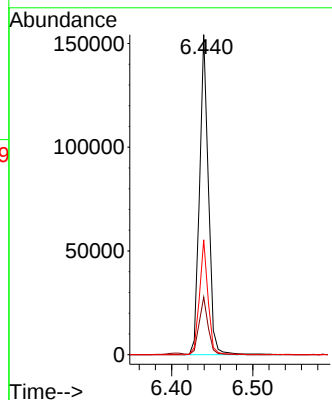
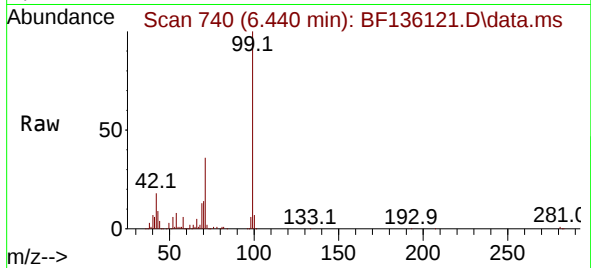




#7
Phenol-d6
Concen: 16.166 ng
RT: 6.440 min Scan# 74
Delta R.T. -0.017 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

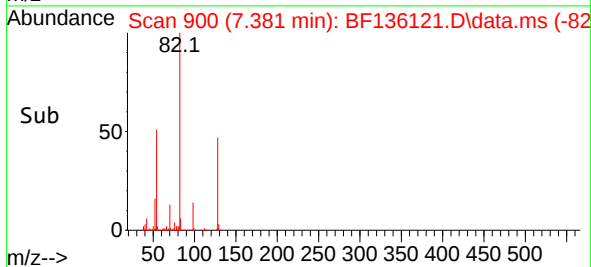
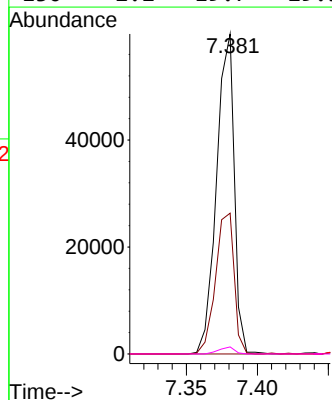
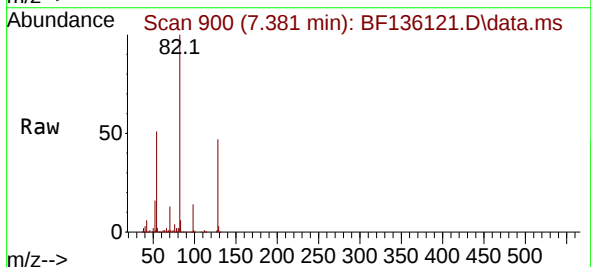
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-1

Tgt Ion: 99 Resp: 117619
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 35.9 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.456 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

Tgt Ion: 70 Resp: 51779
Ion Ratio Lower Upper
70 100
42 44.0 43.0 64.4
101 0.0 8.0 12.0#
130 2.2 19.7 29.5#

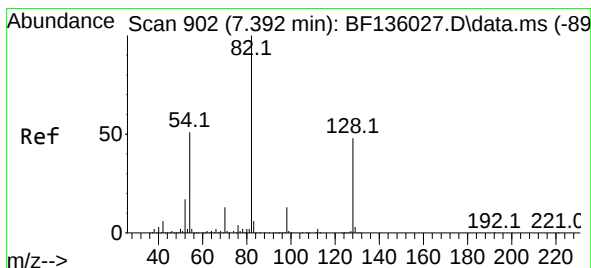
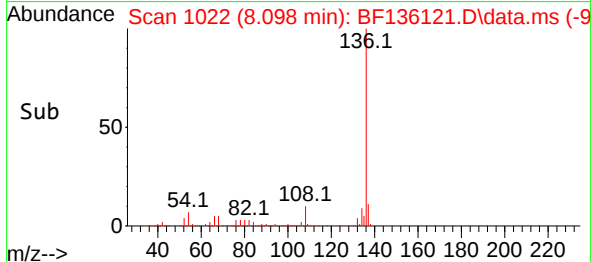
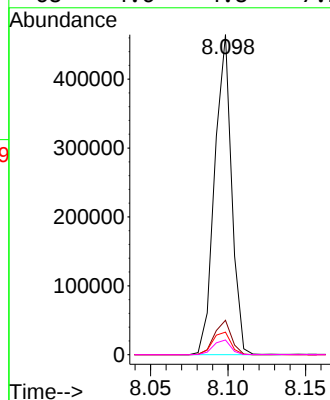
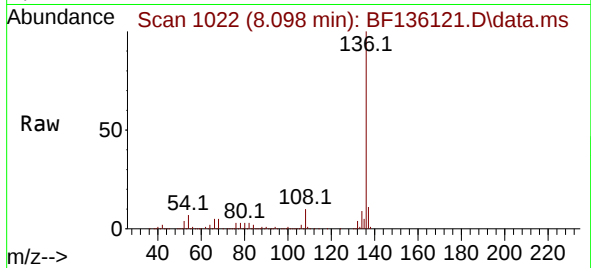




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

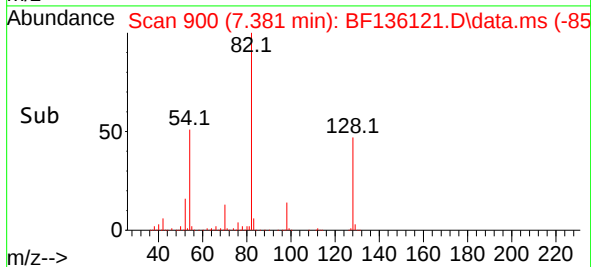
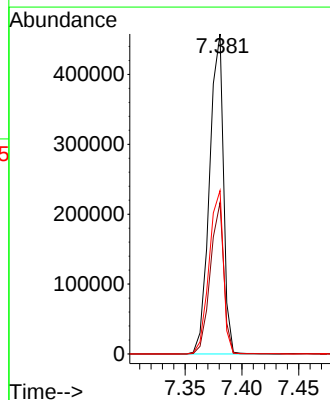
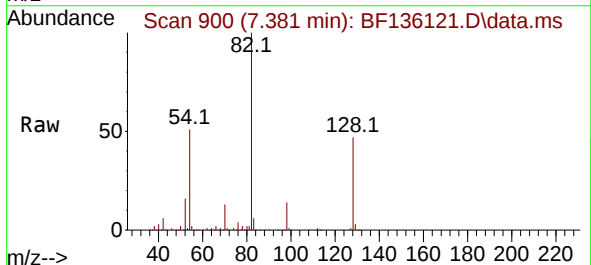
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-1

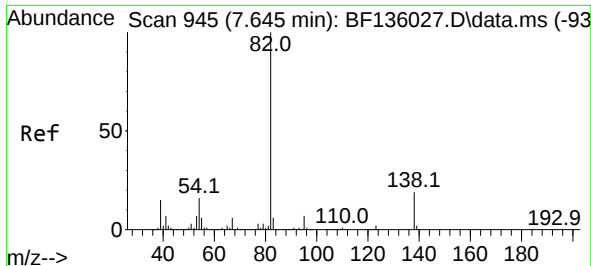
Tgt Ion:	136	Resp:	352857
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.1	6.6	9.8
68	4.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 66.733 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

Tgt Ion:	82	Resp:	390615
Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.6	57.8
54	51.1	40.8	61.2

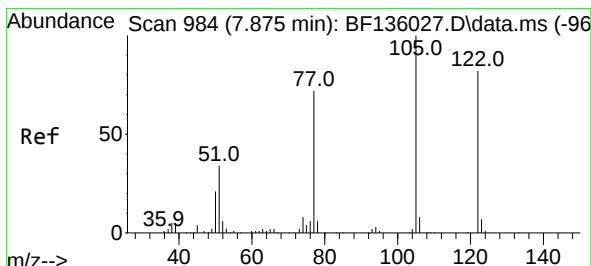
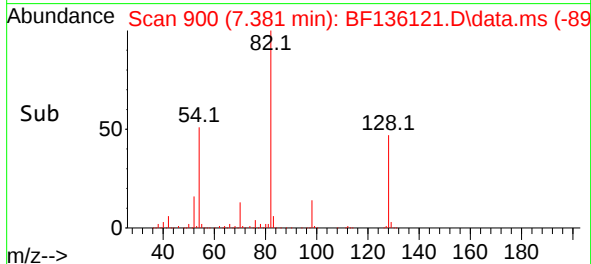
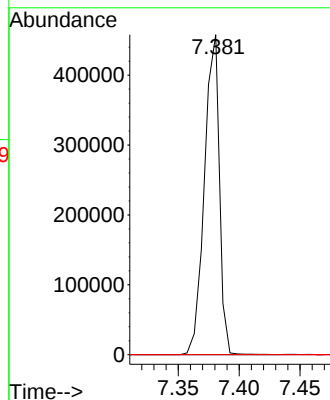
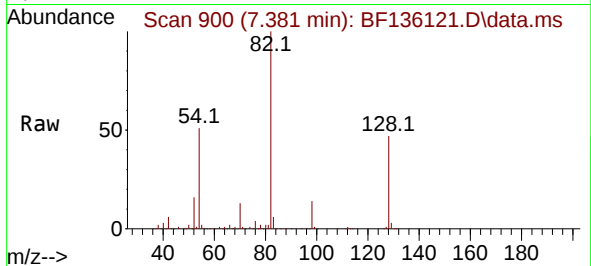




#25
Isophorone
Concen: 35.348 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

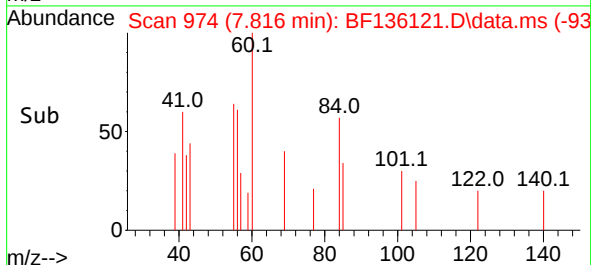
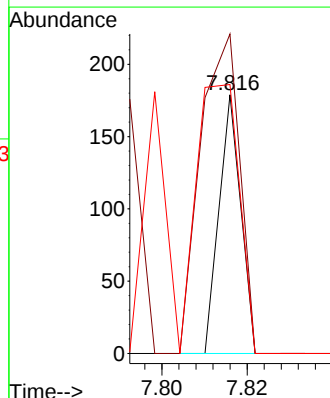
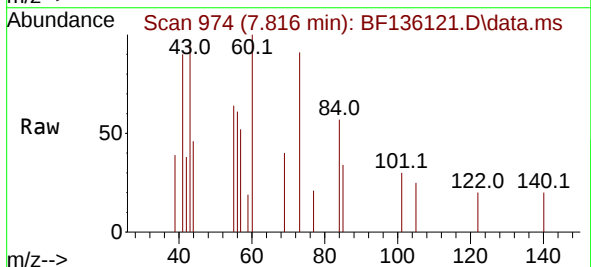
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-1

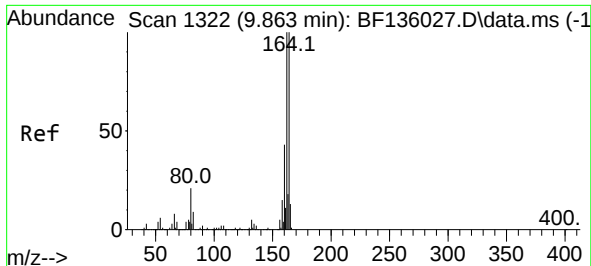
Tgt Ion: 82 Resp: 390610
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.128 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.059 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 123.5 99.5 139.5
77 103.9 66.8 106.8

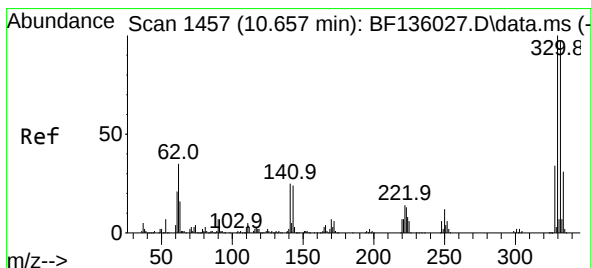
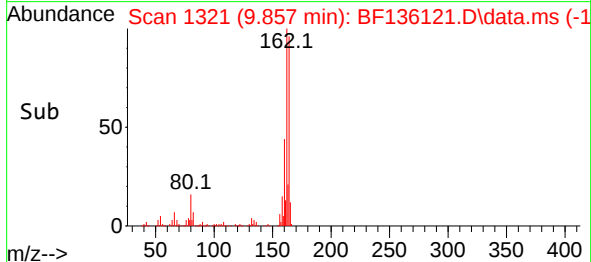
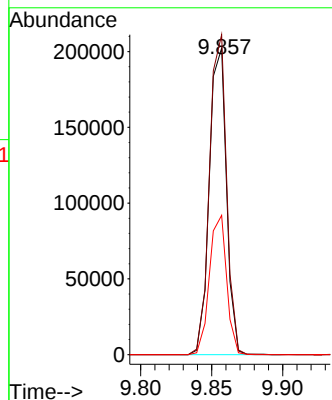
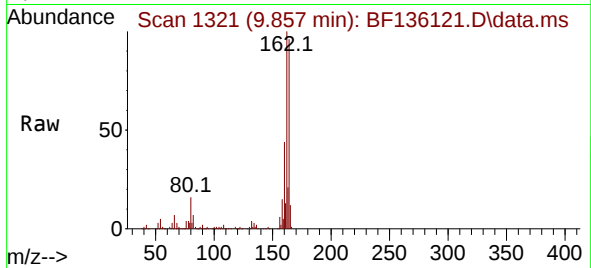




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

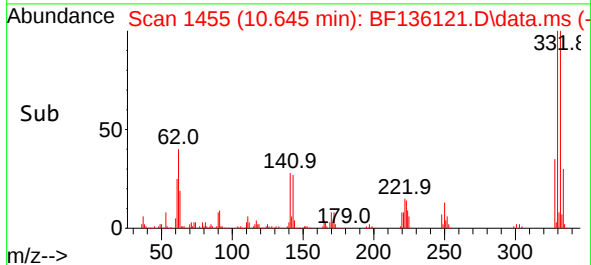
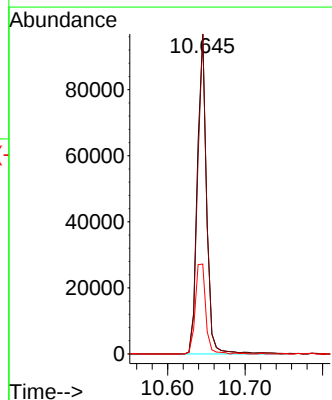
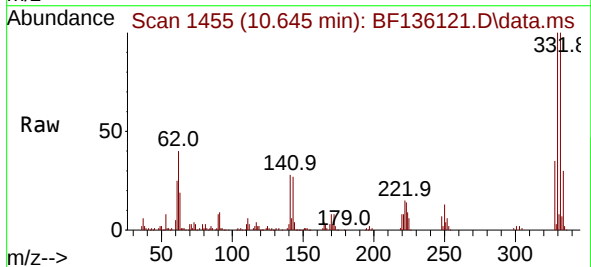
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BNA_F
ClientSampleId :
COMPOSITE-1

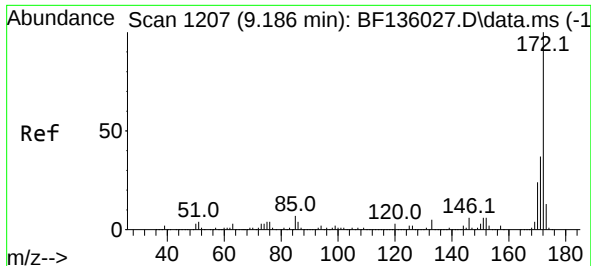
Tgt Ion:164 Resp: 170579
Ion Ratio Lower Upper
164 100
162 104.4 80.1 120.1
160 45.5 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 44.002 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

Tgt Ion:330 Resp: 80115
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 31.6 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 66.227 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136121.D

Acq: 03 Nov 2023 13:38

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-1

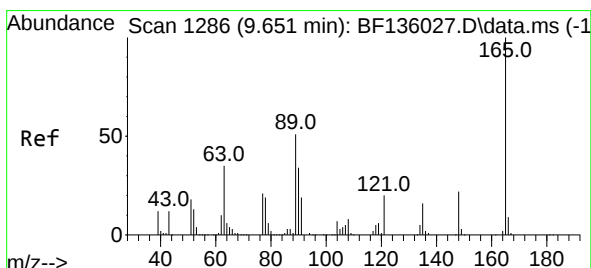
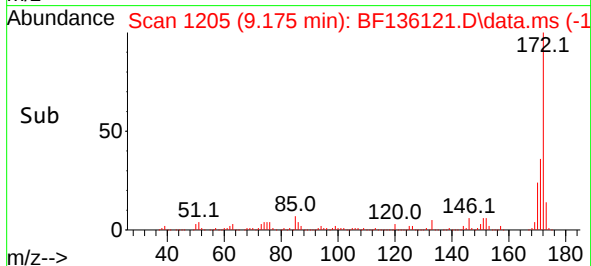
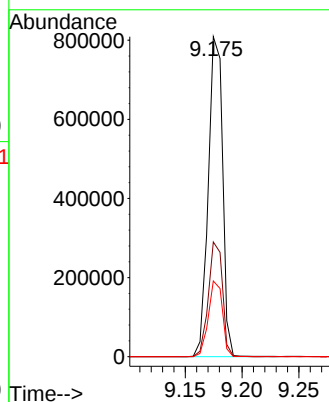
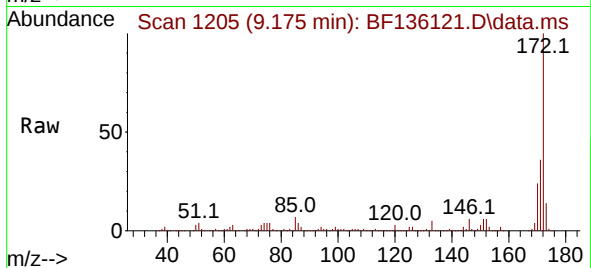
Tgt Ion:172 Resp: 708671

Ion Ratio Lower Upper

172 100

171 35.8 29.4 44.0

170 23.6 19.3 28.9



#51

2,6-Dinitrotoluene

Concen: 9.227 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.206 min

Lab File: BF136121.D

Acq: 03 Nov 2023 13:38

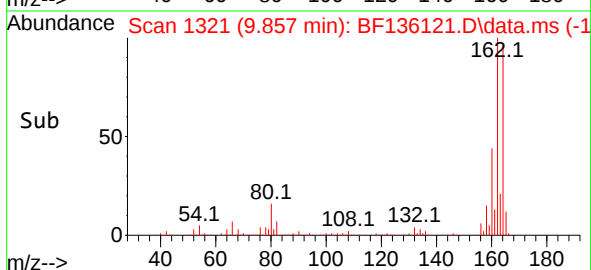
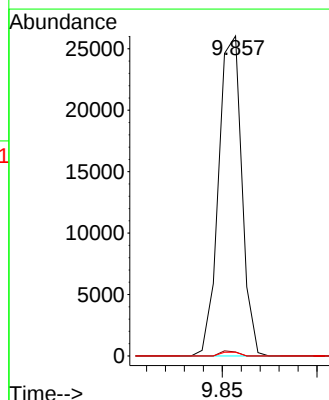
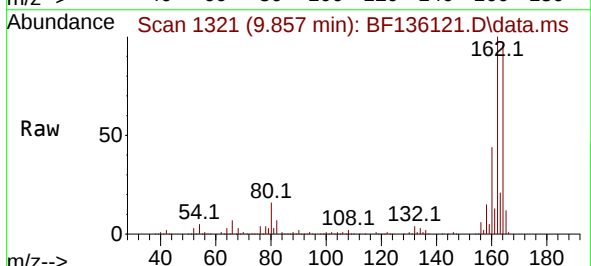
Tgt Ion:165 Resp: 22205

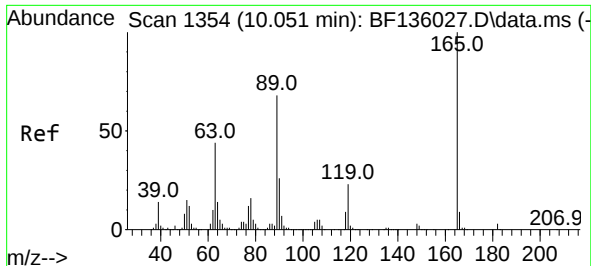
Ion Ratio Lower Upper

165 100

63 1.3 40.8 61.2#

89 1.2 41.1 61.7#

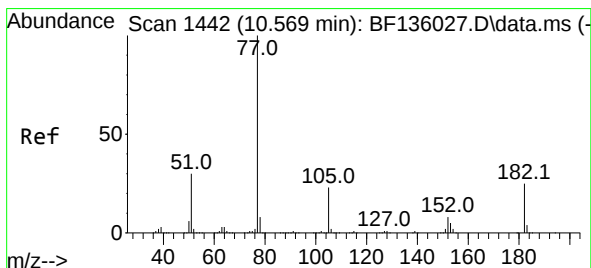
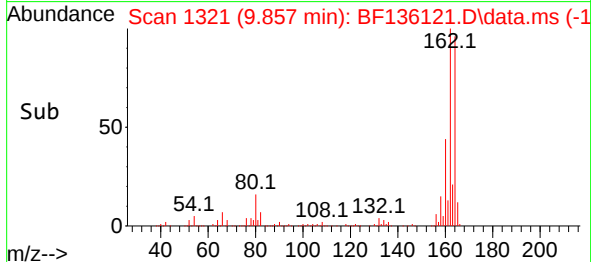
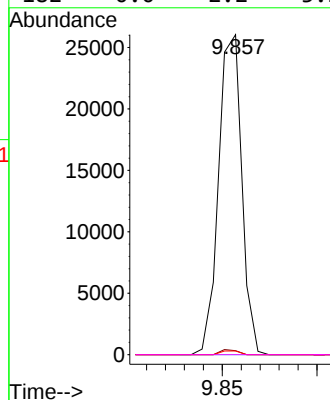
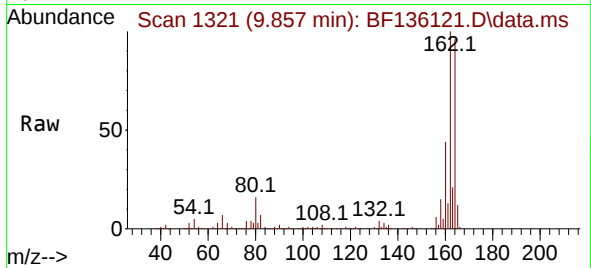




#57
2,4-Dinitrotoluene
Concen: 7.293 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

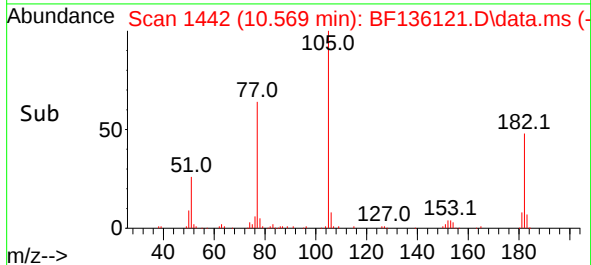
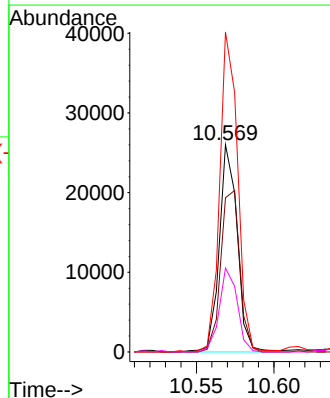
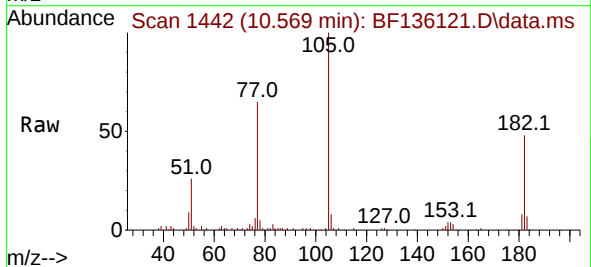
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-1

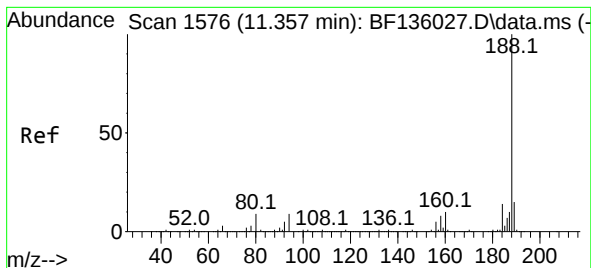
Tgt Ion:165 Resp: 22205
Ion Ratio Lower Upper
165 100
63 1.3 35.2 52.8#
89 1.2 54.8 82.2#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.023 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF136121.D
Acq: 03 Nov 2023 13:38

Tgt Ion: 77 Resp: 20944
Ion Ratio Lower Upper
77 100
182 74.4 5.0 45.0#
105 154.4 2.6 42.6#
51 40.5 9.9 49.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136121.D

Acq: 03 Nov 2023 13:38

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-1

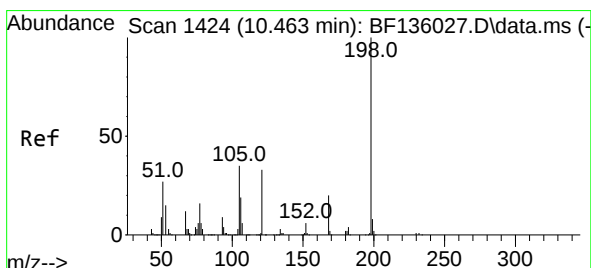
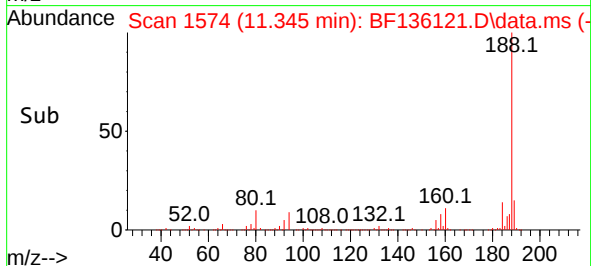
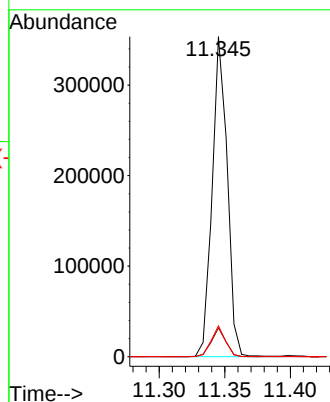
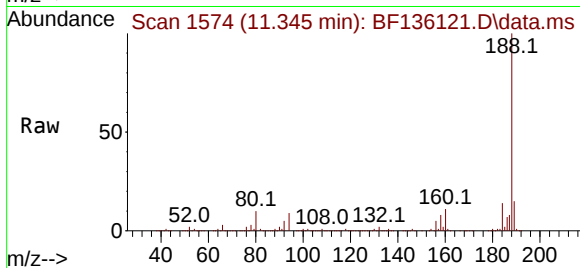
Tgt Ion:188 Resp: 282722

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 9.7 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.824 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136121.D

Acq: 03 Nov 2023 13:38

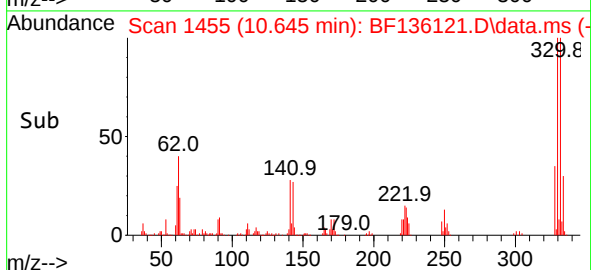
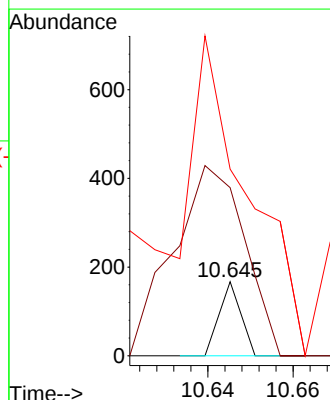
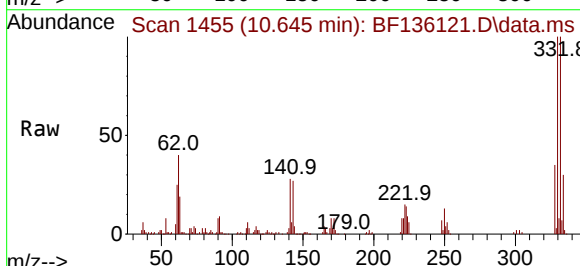
Tgt Ion:198 Resp: 59

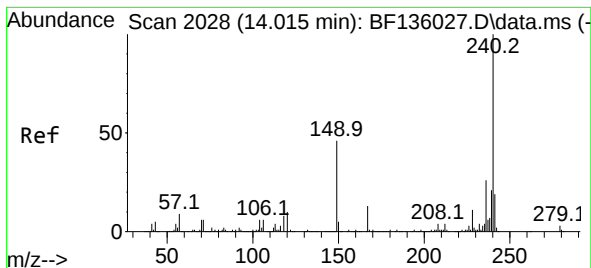
Ion Ratio Lower Upper

198 100

51 226.9 12.9 52.9#

105 252.1 16.0 56.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF136121.D

Acq: 03 Nov 2023 13:38

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-1

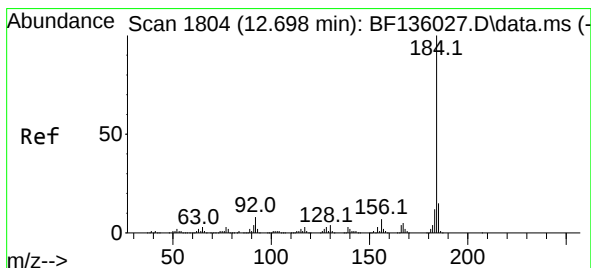
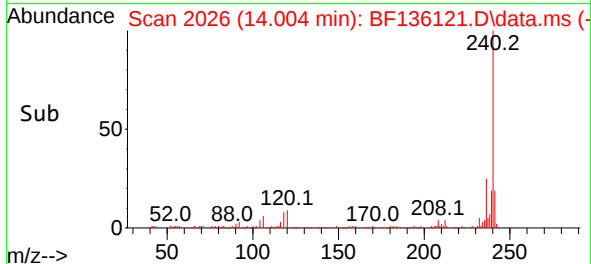
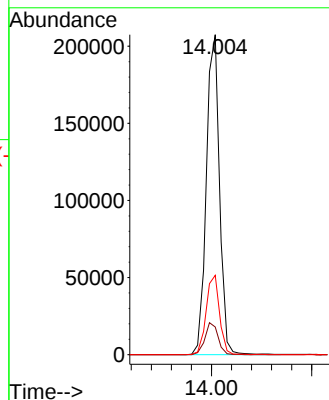
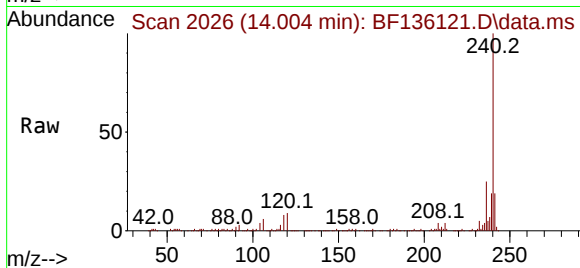
Tgt Ion:240 Resp: 190425

Ion Ratio Lower Upper

240 100

120 8.6 7.6 11.4

236 24.8 20.6 31.0



#77

Benzidine

Concen: 2.278 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF136121.D

Acq: 03 Nov 2023 13:38

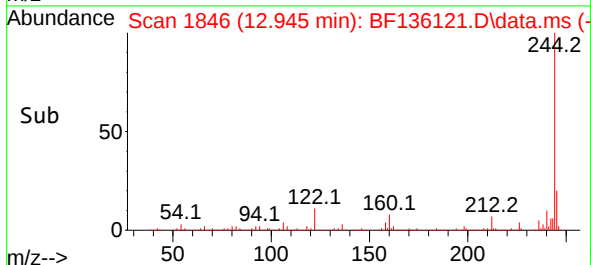
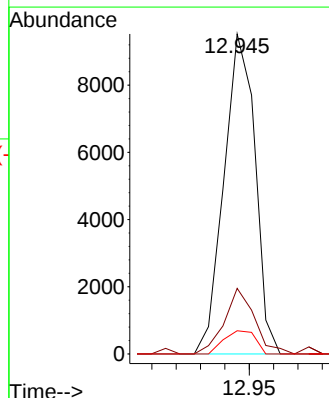
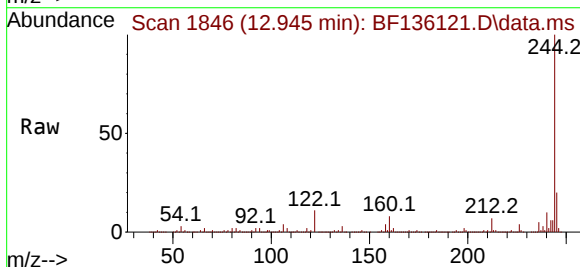
Tgt Ion:184 Resp: 8456

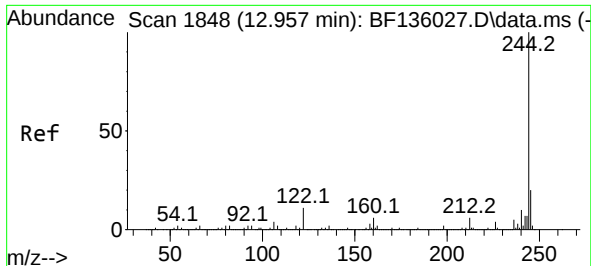
Ion Ratio Lower Upper

184 100

185 20.5 11.8 17.8#

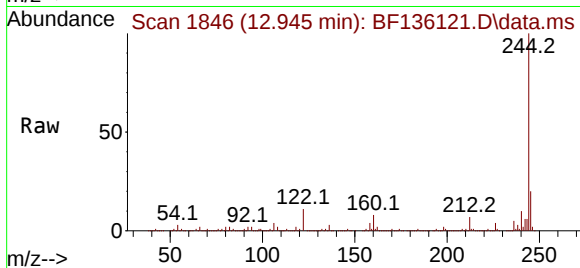
183 7.2 9.5 14.3#



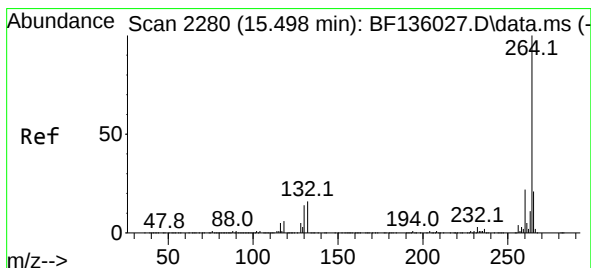
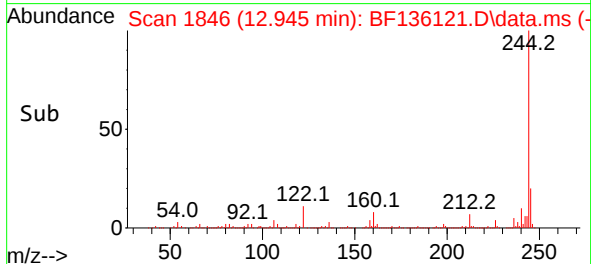
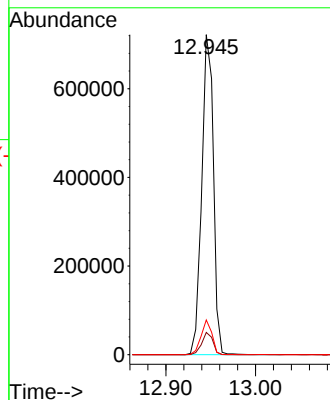


#79
 Terphenyl-d14
 Concen: 53.091 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136121.D
 Acq: 03 Nov 2023 13:38

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-1

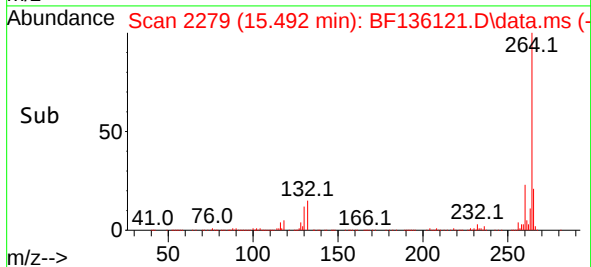
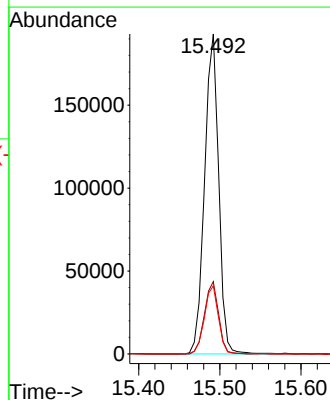
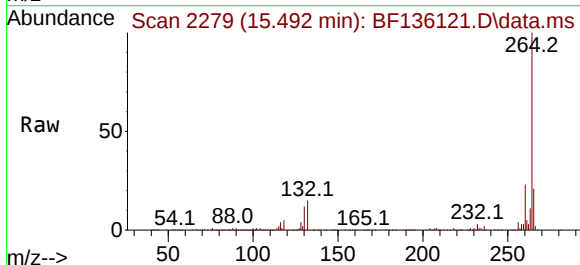


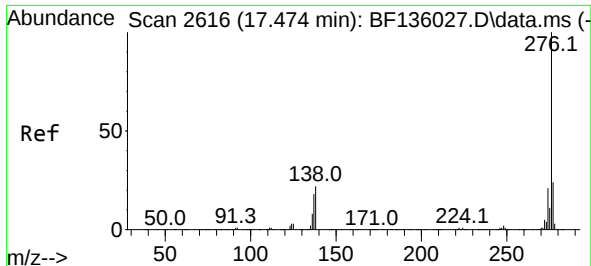
Tgt Ion:244 Resp: 650559
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 10.8 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2279
 Delta R.T. -0.006 min
 Lab File: BF136121.D
 Acq: 03 Nov 2023 13:38

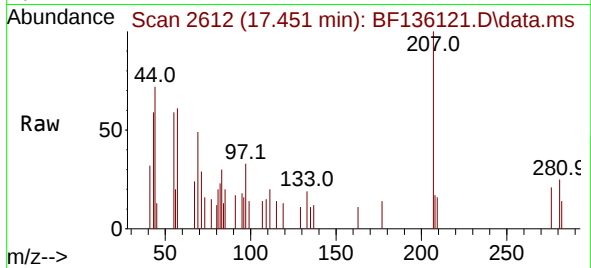
Tgt Ion:264 Resp: 232270
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.9 26.9
 265 21.3 16.8 25.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.916 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF136121.D
 Acq: 03 Nov 2023 13:38

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-1



Tgt Ion:	276	Resp:	321
Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.0	28.4#
138	0.0	17.4	26.2#

