

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136074.D
 Acq On : 01 Nov 2023 13:56
 Operator : CG\JU
 Sample : 05166-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Quant Time: Nov 01 22:39:18 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)

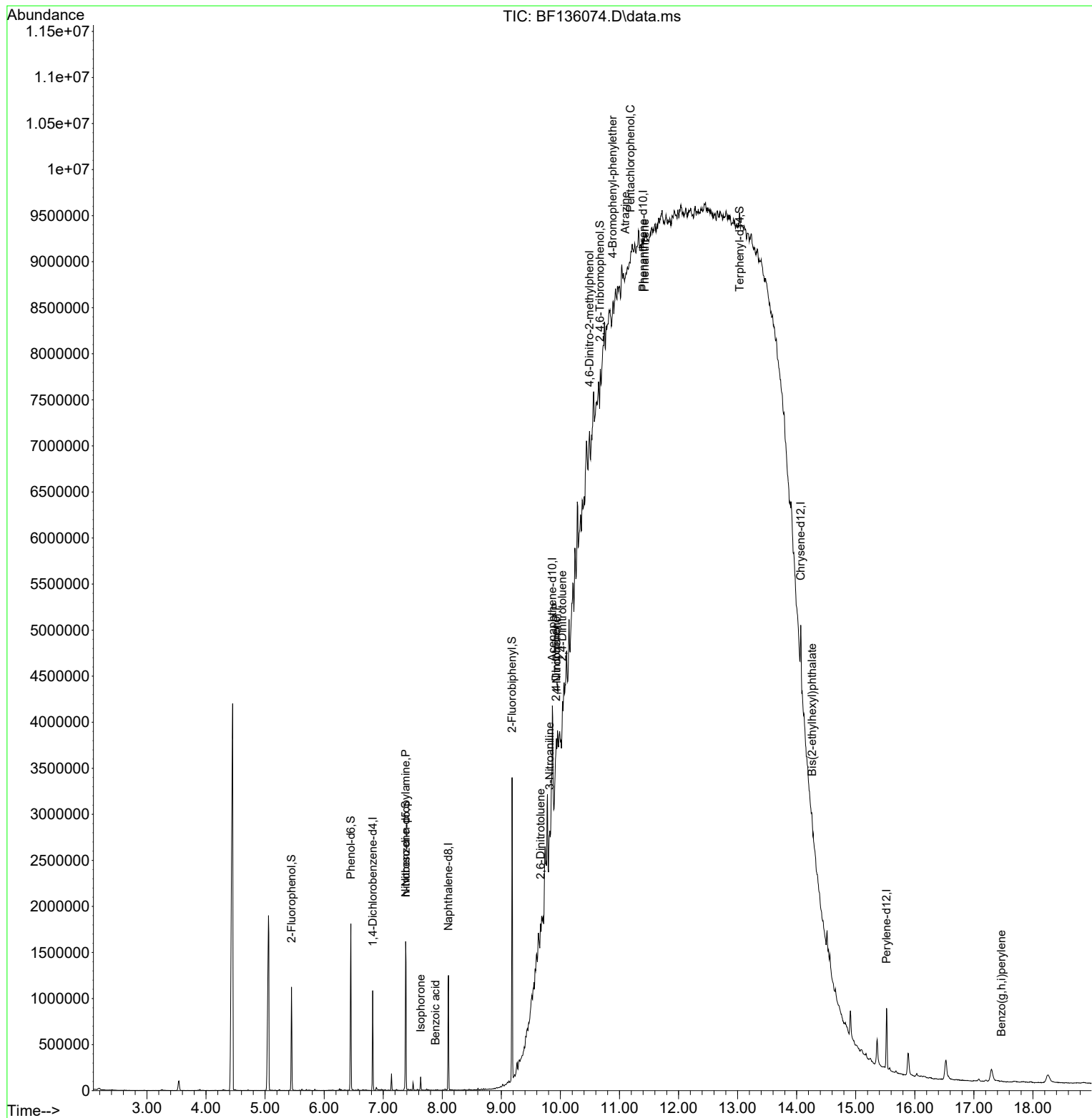
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	141084	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	523047	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	199500	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	118682	20.000	ng	# 0.04
76) Chrysene-d12	14.069	240	218997	20.000	ng	# 0.05
86) Perylene-d12	15.521	264	320096	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	284515	31.690	ng	0.00
7) Phenol-d6	6.451	99	557320	49.822	ng	0.00
23) Nitrobenzene-d5	7.381	82	492238	56.732	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	45307	21.277	ng	0.01
45) 2-Fluorobiphenyl	9.181	172	911157	72.806	ng	0.00
79) Terphenyl-d14	13.033	244	298854	21.207	ng	0.08
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	65552	10.256	ng	# 77
25) Isophorone	7.634	82	43140	2.634	ng	99
32) Benzoic acid	7.887	122	56	5.123	ng	# 1
51) 2,6-Dinitrotoluene	9.663	165	9271	3.294	ng	# 31
53) 3-Nitroaniline	9.816	138	7664	2.334	ng	# 19
54) 2,4-Dinitrophenol	9.928	184	516	8.282	ng	# 1
56) 4-Nitrophenol	9.934	139	8724	3.551	ng	# 1
57) 2,4-Dinitrotoluene	10.034	165	14012	3.935	ng	# 33
65) 4,6-Dinitro-2-methylph...	10.492	198	932	7.047	ng	# 1
67) 4-Bromophenyl-phenylether	10.886	248	3190	2.564	ng	# 1
69) Atrazine	11.098	200	7866	8.075	ng	# 1
70) Pentachlorophenol	11.186	266	1740	2.039	ng	# 1
71) Phenanthrene	11.428	178	12660	2.119	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.263	149	16407	2.038	ng	# 72
92) Benzo(g,h,i)perylene	17.468	276	3433	3.060	ng	# 92

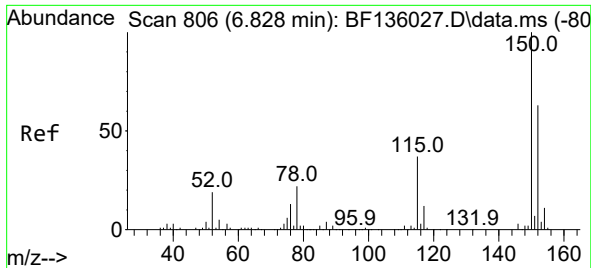
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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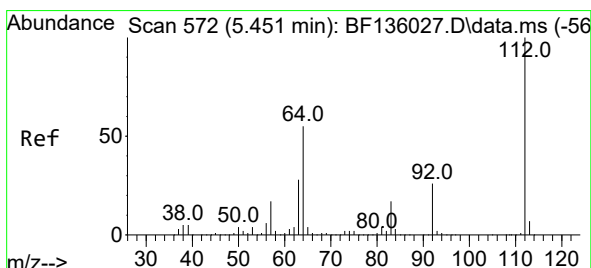
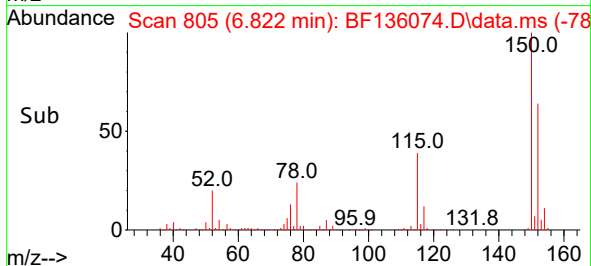
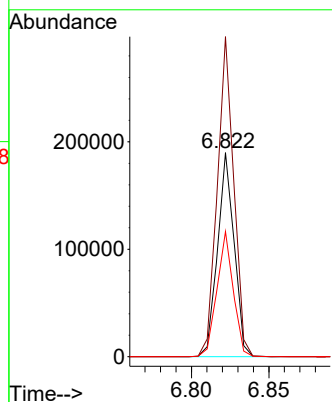
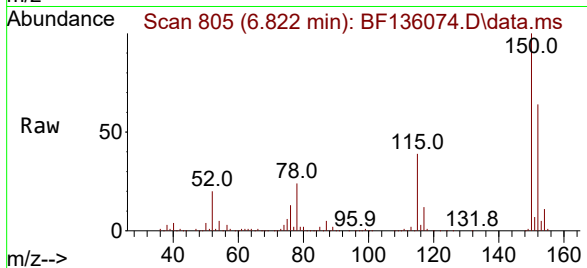




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

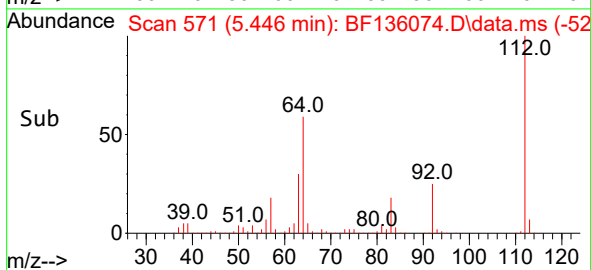
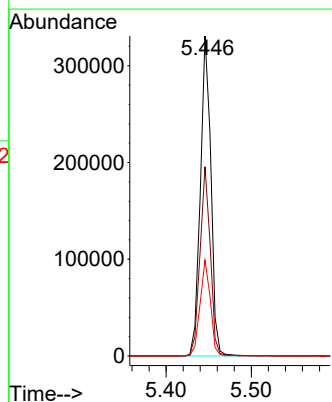
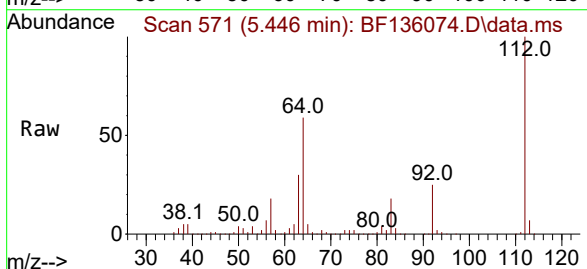
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

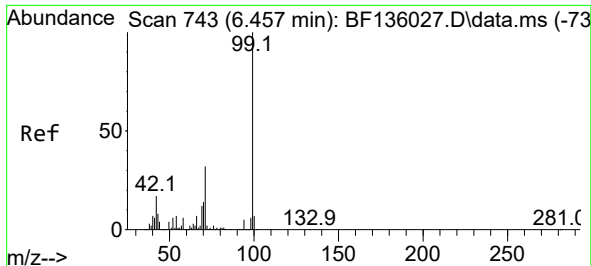
Tgt Ion:152 Resp: 141084
Ion Ratio Lower Upper
152 100
150 156.9 126.4 189.6
115 61.3 47.0 70.4



#5
2-Fluorophenol
Concen: 31.690 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

Tgt Ion:112 Resp: 284515
Ion Ratio Lower Upper
112 100
64 59.2 43.9 65.9
63 30.0 22.4 33.6

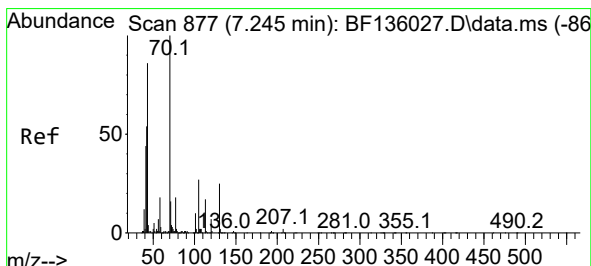
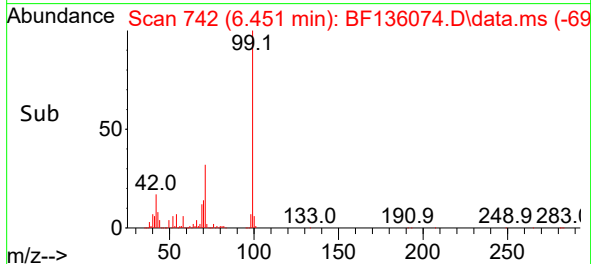
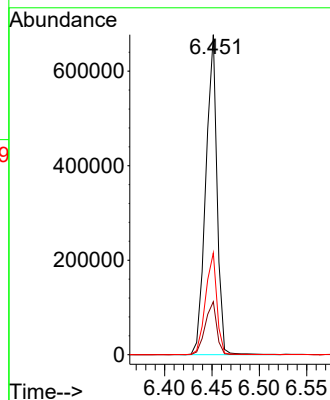
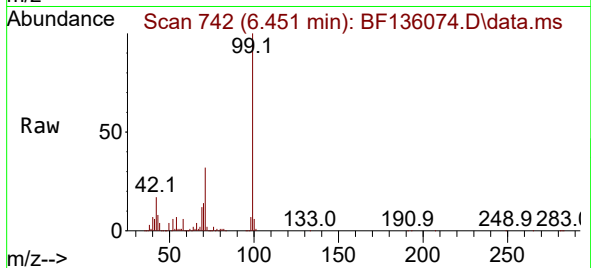




#7
Phenol-d6
Concen: 49.822 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

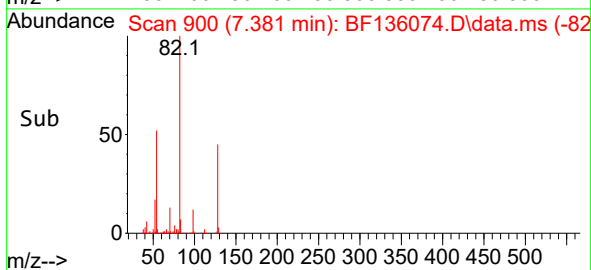
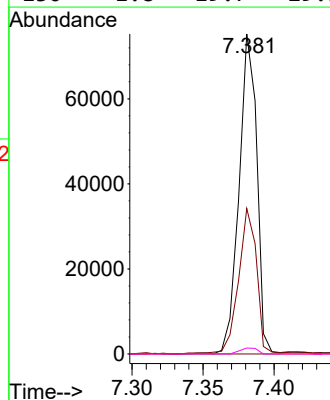
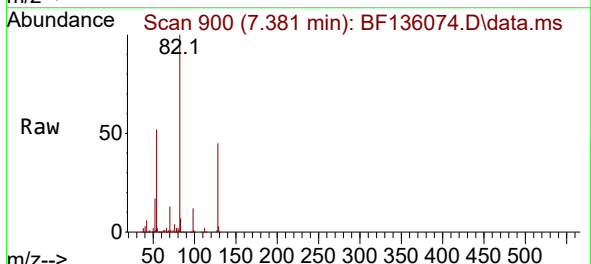
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

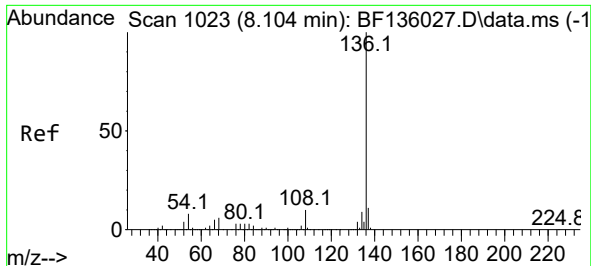
Tgt Ion: 99 Resp: 557320
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 31.8 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.256 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.136 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

Tgt Ion: 70 Resp: 65552
Ion Ratio Lower Upper
70 100
42 45.5 43.0 64.4
101 0.0 8.0 12.0#
130 1.8 19.7 29.5#

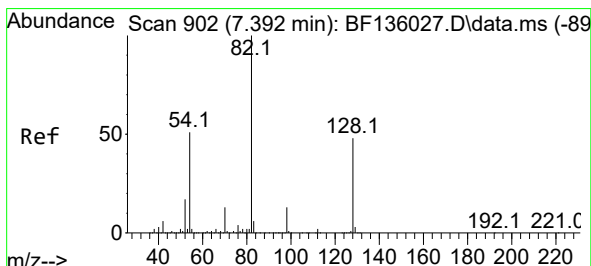
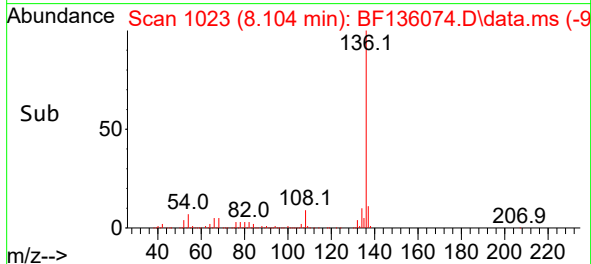
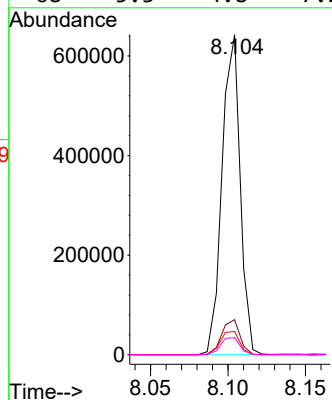
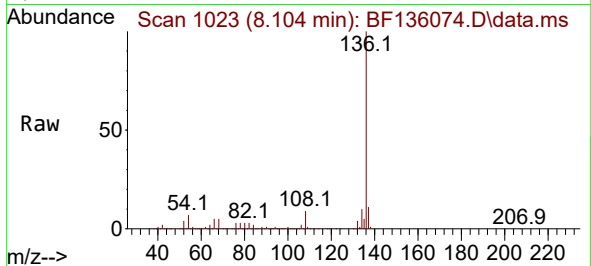




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

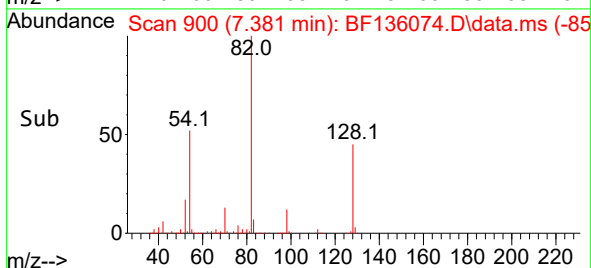
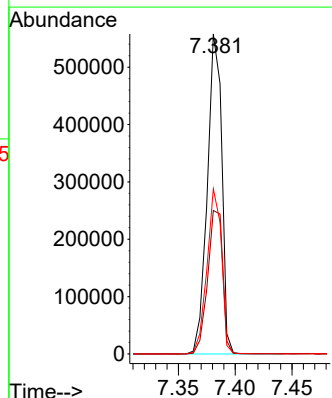
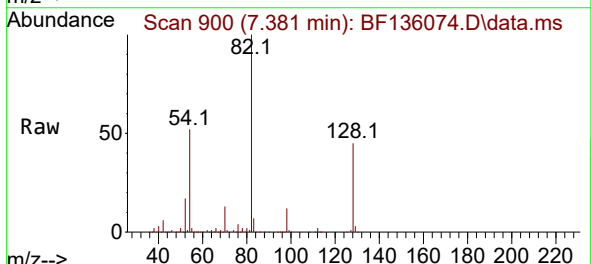
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

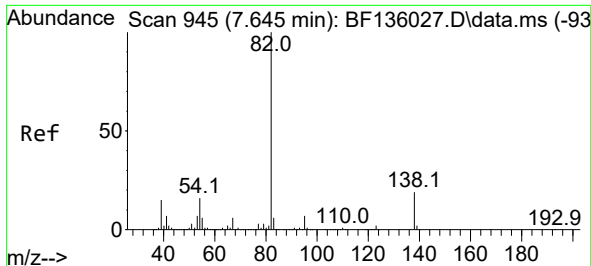
Tgt Ion:136 Resp: 523047
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.3 6.6 9.8
68 5.3 4.8 7.2



#23
Nitrobenzene-d5
Concen: 56.732 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

Tgt Ion: 82 Resp: 492238
Ion Ratio Lower Upper
82 100
128 44.8 38.6 57.8
54 51.6 40.8 61.2

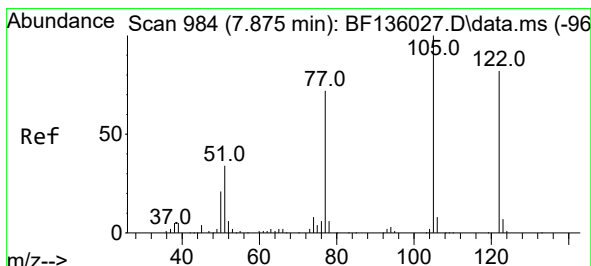
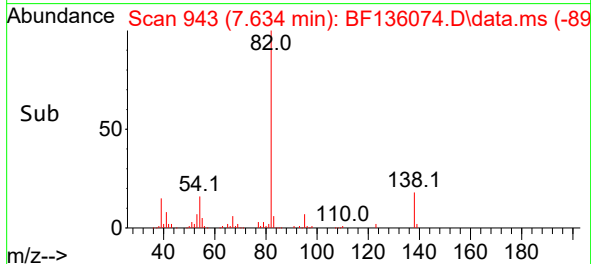
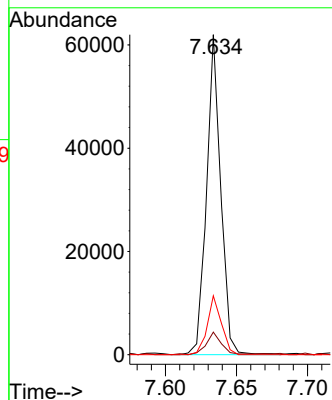
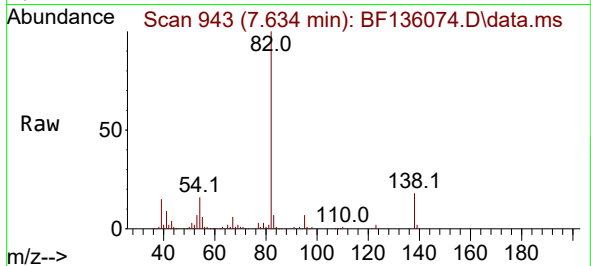




#25
Isophorone
Concen: 2.634 ng
RT: 7.634 min Scan# 945
Delta R.T. -0.012 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

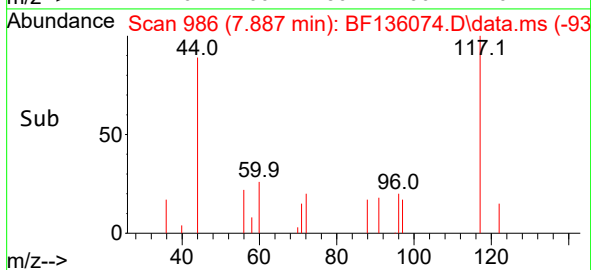
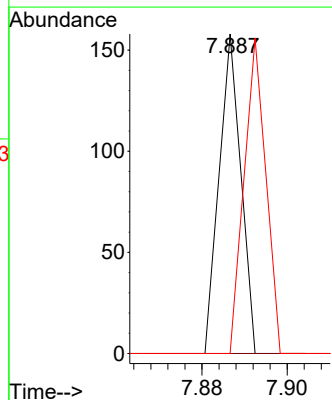
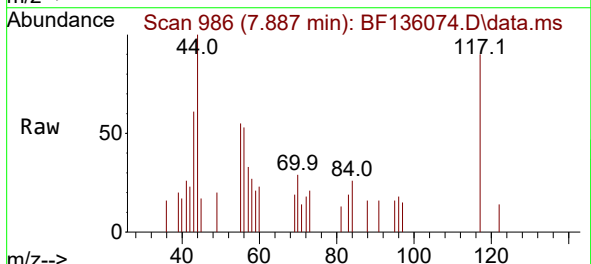
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

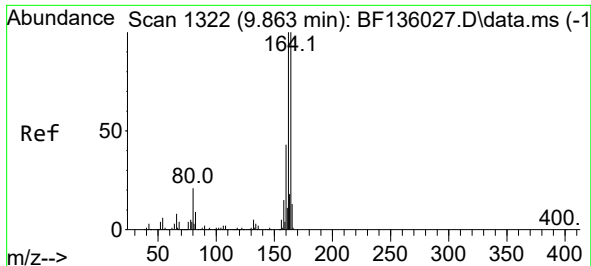
Tgt Ion: 82 Resp: 43140
Ion Ratio Lower Upper
82 100
95 7.1 5.9 8.9
138 18.4 15.3 22.9



#32
Benzoic acid
Concen: 5.123 ng
RT: 7.887 min Scan# 986
Delta R.T. 0.012 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 0.0 66.8 106.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

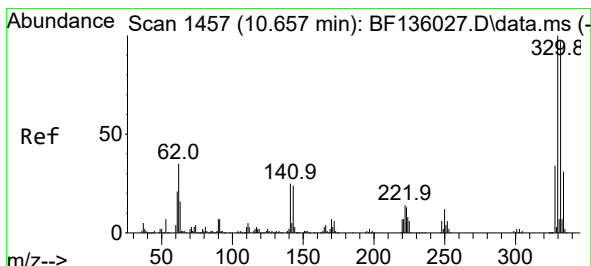
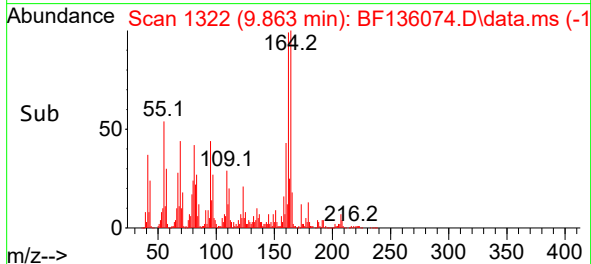
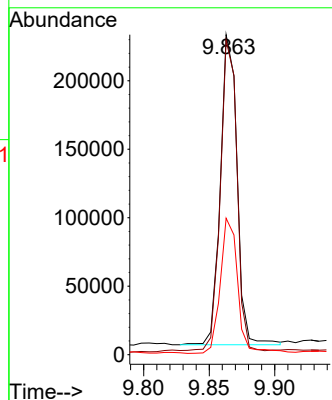
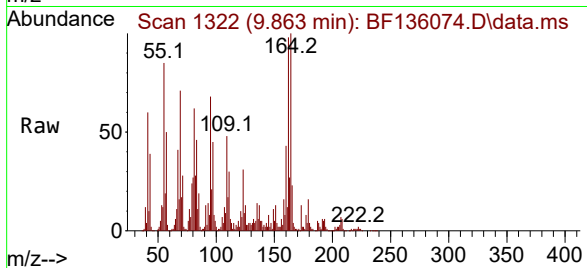
Tgt Ion:164 Resp: 199500

Ion Ratio Lower Upper

164 100

162 98.2 80.1 120.1

160 42.7 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 21.277 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.012 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

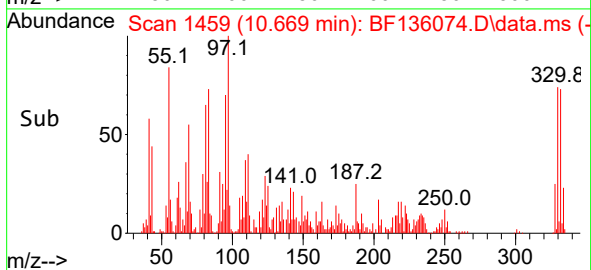
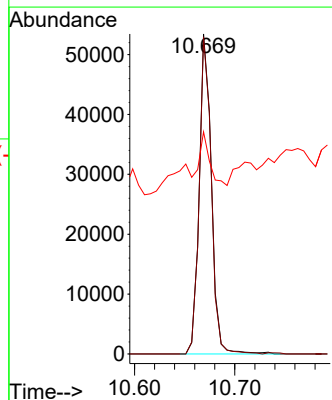
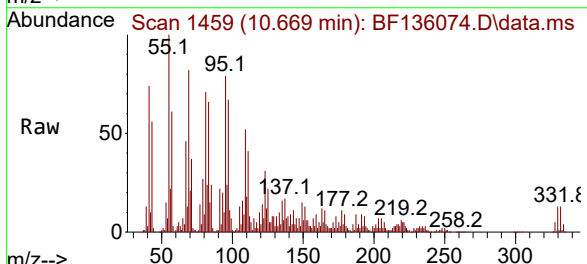
Tgt Ion:330 Resp: 45307

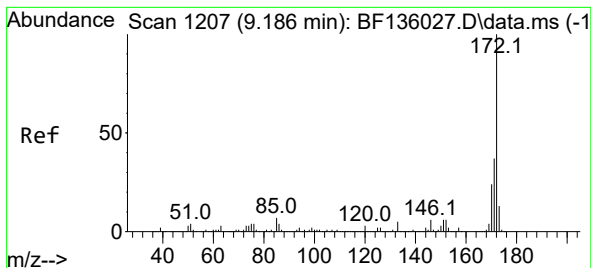
Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

141 35.7 23.2 34.8#





#45

2-Fluorobiphenyl

Concen: 72.806 ng

RT: 9.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

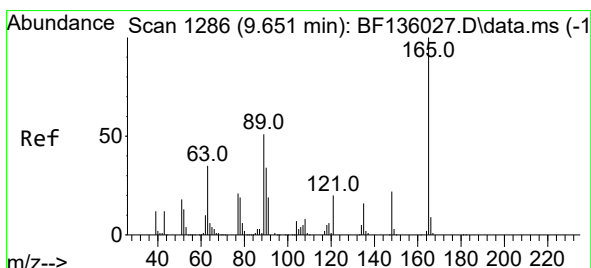
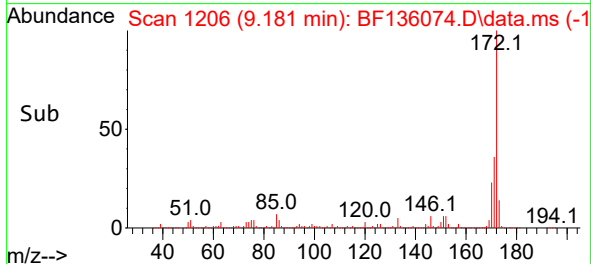
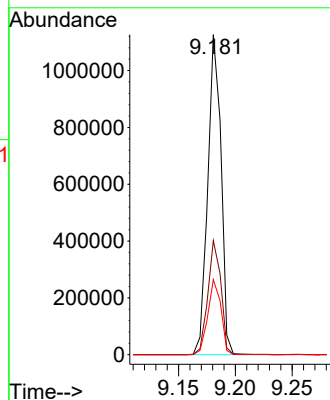
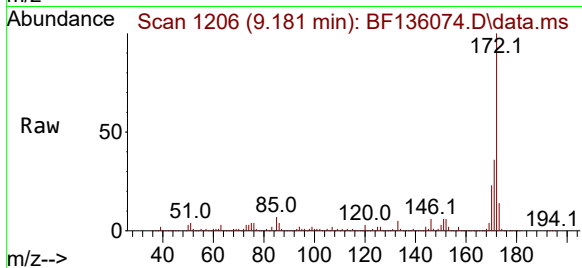
Tgt Ion:172 Resp: 911157

Ion Ratio Lower Upper

172 100

171 35.7 29.4 44.0

170 23.5 19.3 28.9



#51

2,6-Dinitrotoluene

Concen: 3.294 ng

RT: 9.663 min Scan# 1288

Delta R.T. 0.012 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

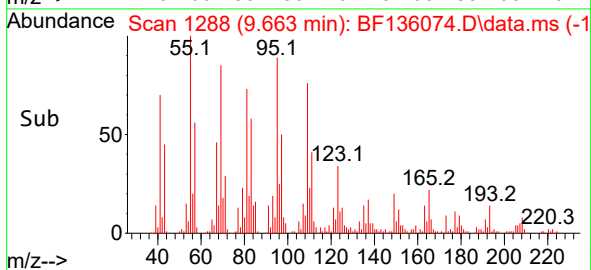
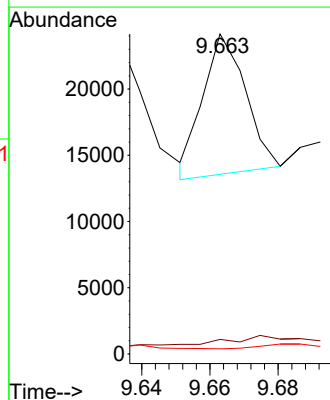
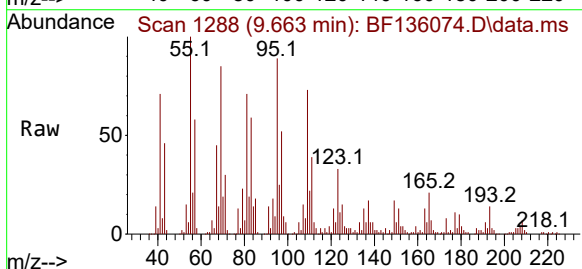
Tgt Ion:165 Resp: 9271

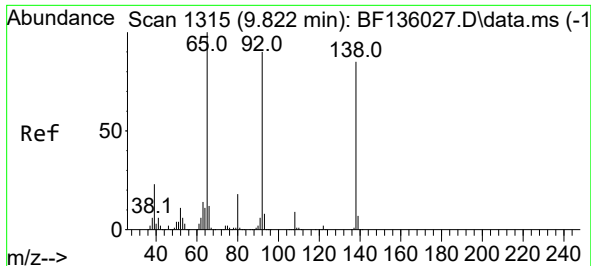
Ion Ratio Lower Upper

165 100

63 4.6 40.8 61.2#

89 1.6 41.1 61.7#

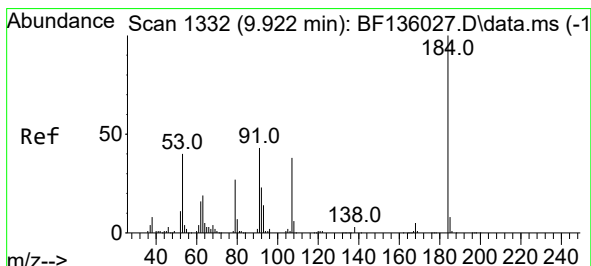
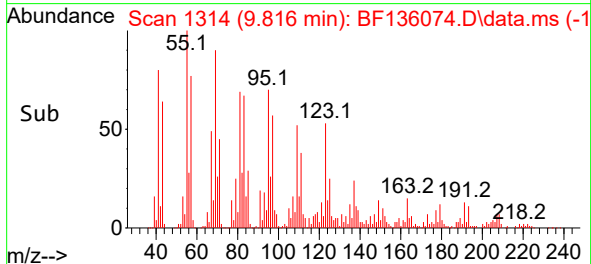
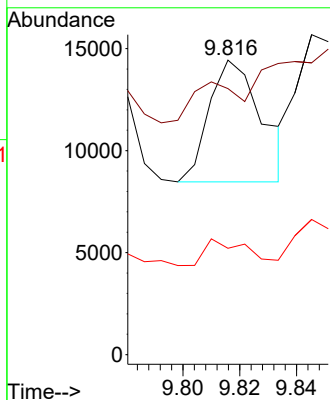
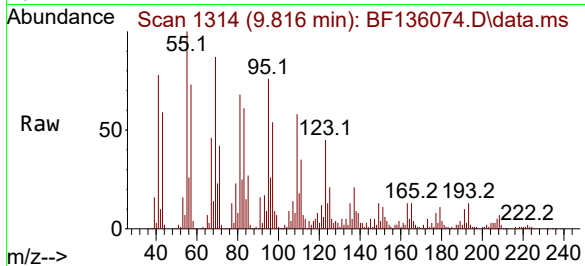




#53
3-Nitroaniline
Concen: 2.334 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

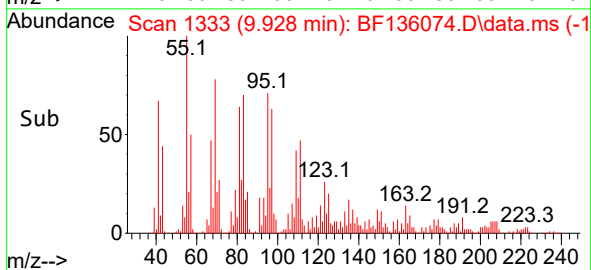
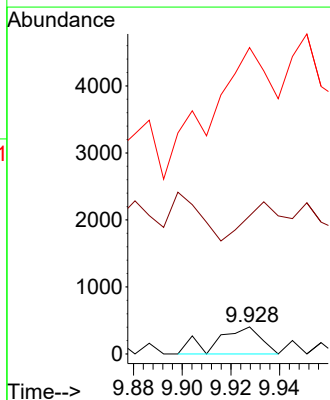
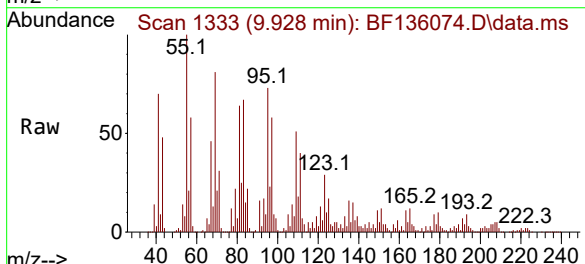
Instrument :
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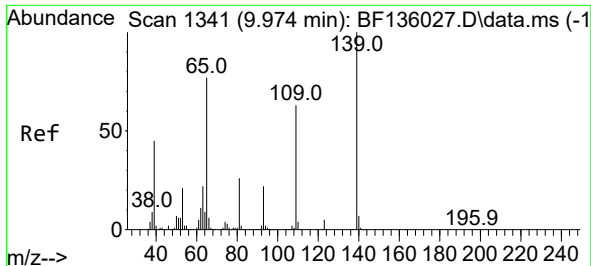
Tgt Ion:138 Resp: 7664
Ion Ratio Lower Upper
138 100
108 90.3 8.8 13.2#
92 36.1 84.6 126.8#



#54
2,4-Dinitrophenol
Concen: 8.282 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

Tgt Ion:184 Resp: 516
Ion Ratio Lower Upper
184 100
63 510.1 43.7 65.5#
154 1131.9 51.2 76.8#

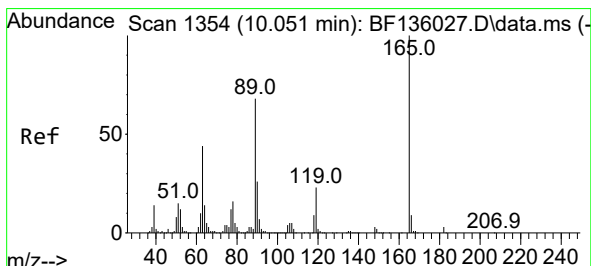
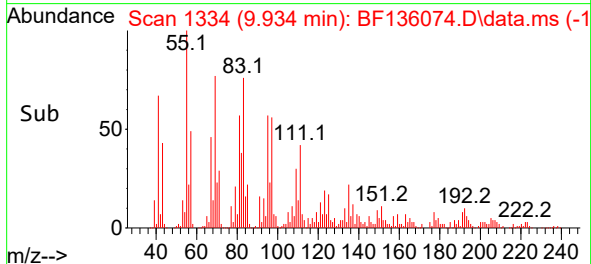
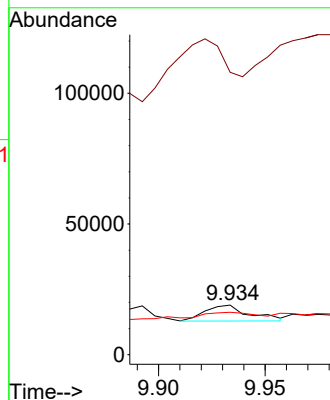
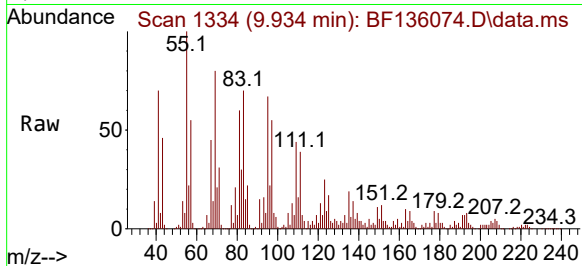




#56
4-Nitrophenol
Concen: 3.551 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

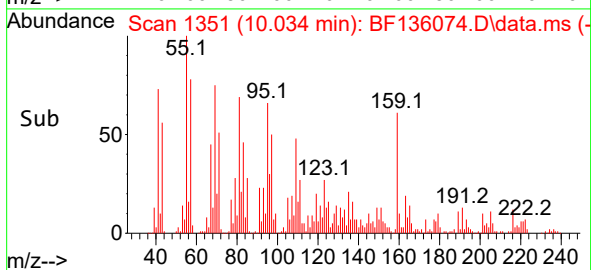
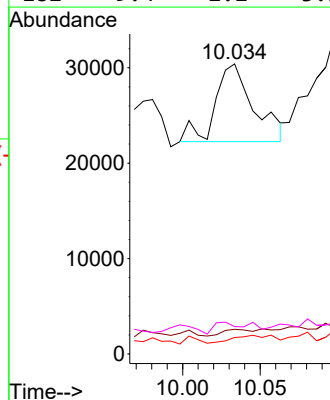
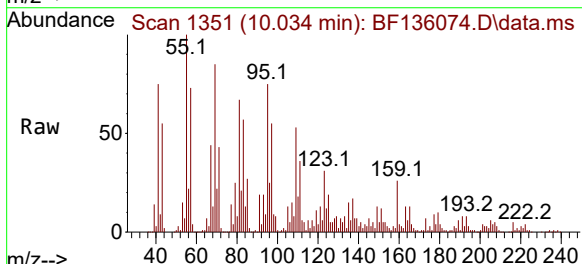
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

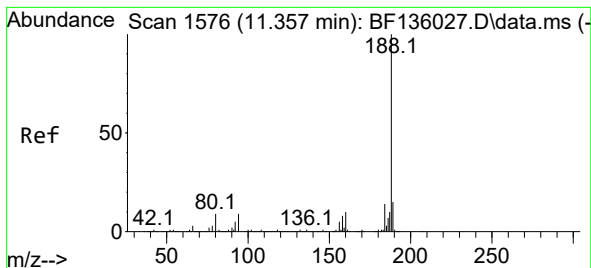
Tgt Ion:139 Resp: 8724
Ion Ratio Lower Upper
139 100
109 569.3 43.2 83.2#
65 85.5 57.6 97.6



#57
2,4-Dinitrotoluene
Concen: 3.935 ng
RT: 10.034 min Scan# 1351
Delta R.T. -0.017 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

Tgt Ion:165 Resp: 14012
Ion Ratio Lower Upper
165 100
63 8.5 35.2 52.8#
89 5.7 54.8 82.2#
182 9.4 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

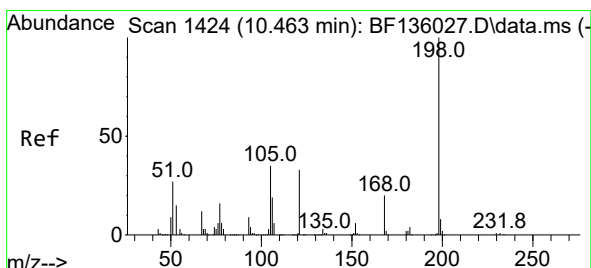
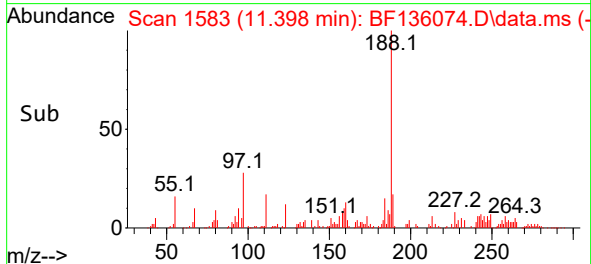
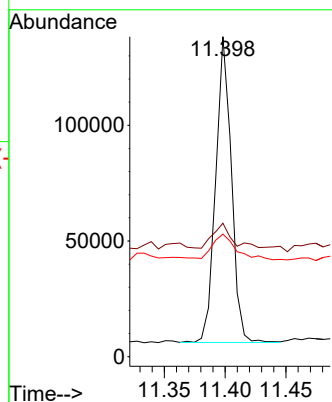
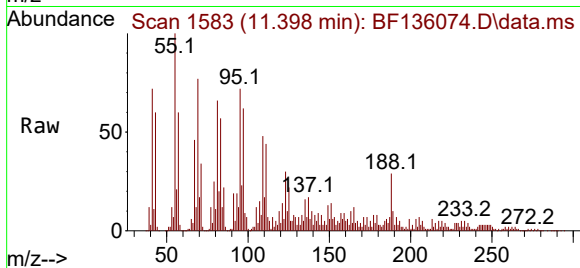
Tgt Ion:188 Resp: 118682

Ion Ratio Lower Upper

188 100

94 41.7 7.2 10.8#

80 38.3 7.4 11.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 7.047 ng

RT: 10.492 min Scan# 1429

Delta R.T. 0.029 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

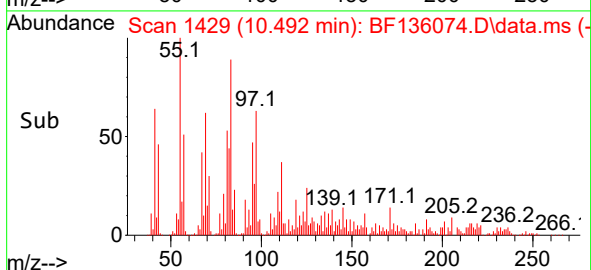
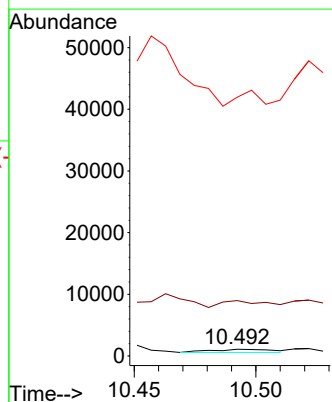
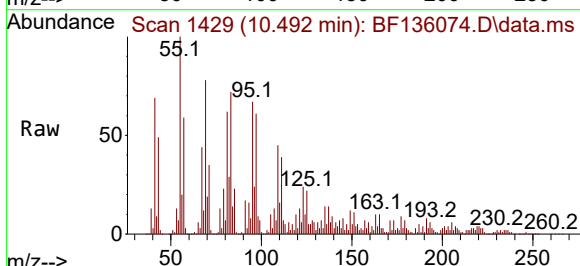
Tgt Ion:198 Resp: 932

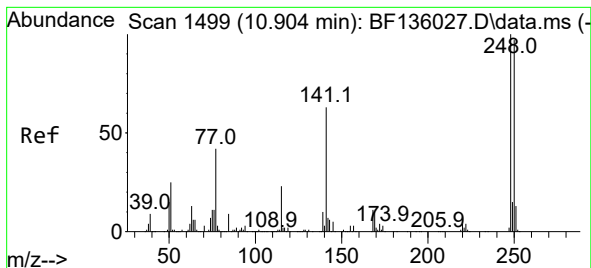
Ion Ratio Lower Upper

198 100

51 828.8 12.9 52.9#

105 3869.4 16.0 56.0#

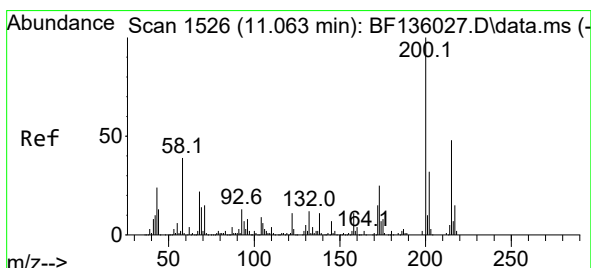
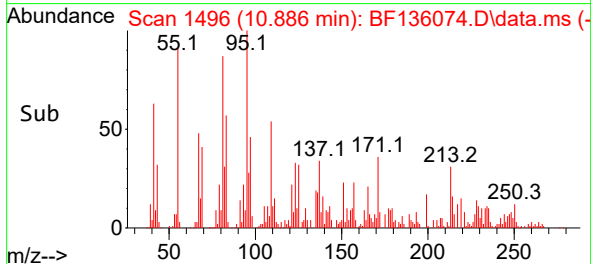
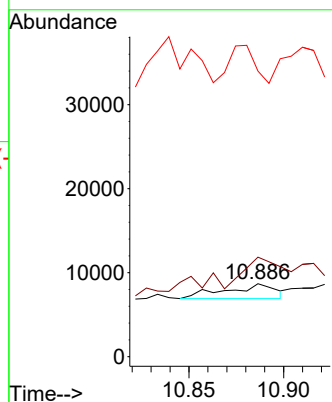
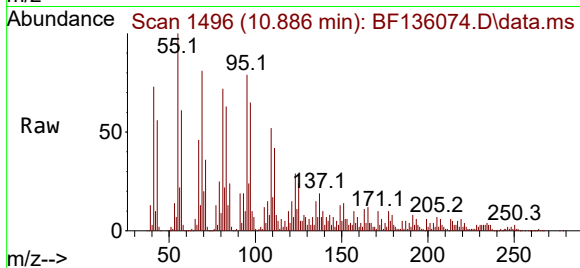




#67
4-Bromophenyl-phenylether
Concen: 2.564 ng
RT: 10.886 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

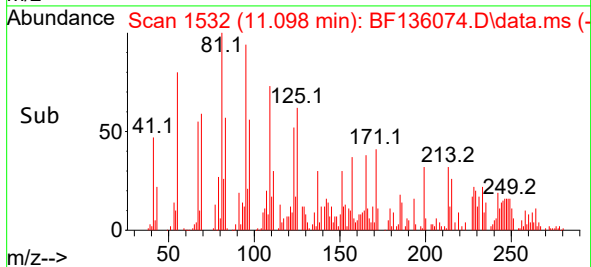
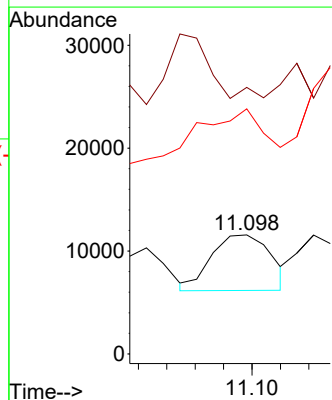
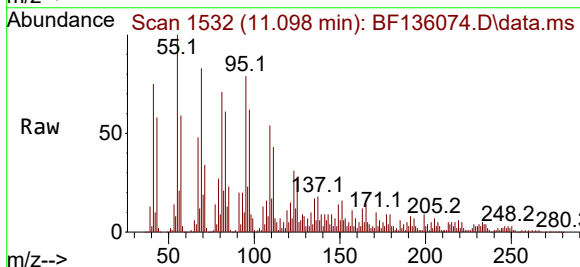
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

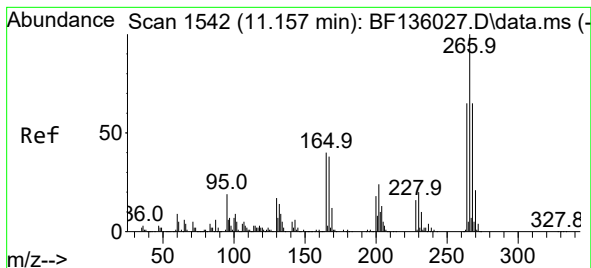
Tgt Ion:248 Resp: 3190
Ion Ratio Lower Upper
248 100
250 136.6 77.6 116.4#
141 391.8 50.4 75.6#



#69
Atrazine
Concen: 8.075 ng
RT: 11.098 min Scan# 1532
Delta R.T. 0.036 min
Lab File: BF136074.D
Acq: 01 Nov 2023 13:56

Tgt Ion:200 Resp: 7866
Ion Ratio Lower Upper
200 100
173 223.9 5.2 45.2#
215 205.9 28.4 68.4#





#70

Pentachlorophenol

Concen: 2.039 ng

RT: 11.186 min Scan# 1547

Delta R.T. 0.030 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

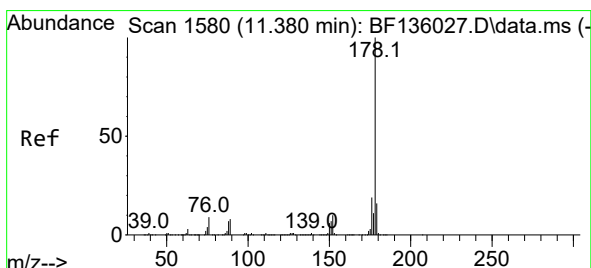
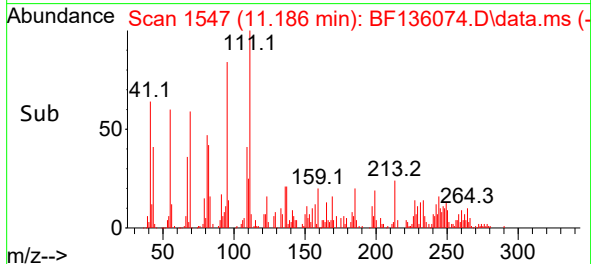
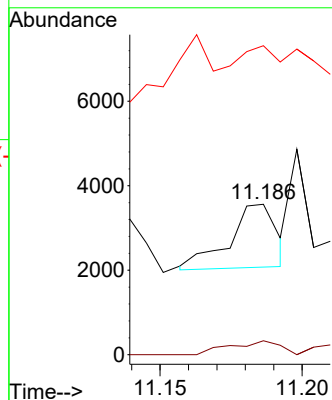
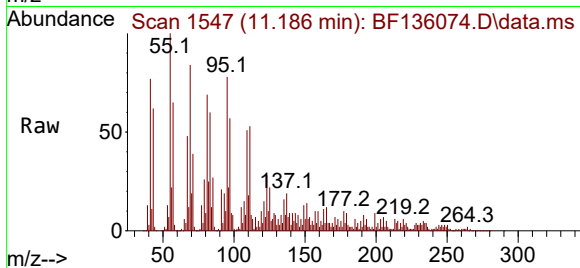
Tgt Ion:266 Resp: 1740

Ion Ratio Lower Upper

266 100

268 9.3 52.2 78.4#

264 205.5 52.2 78.4#



#71

Phenanthrene

Concen: 2.119 ng

RT: 11.428 min Scan# 1588

Delta R.T. 0.047 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

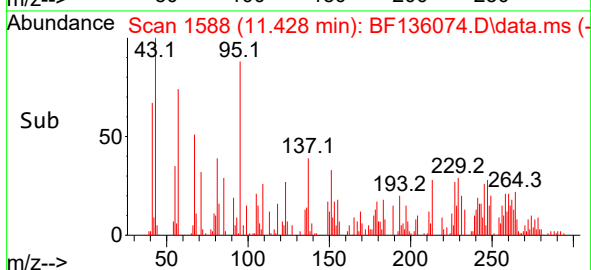
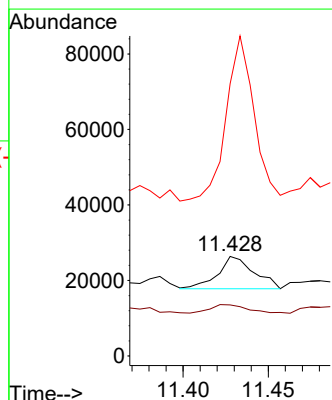
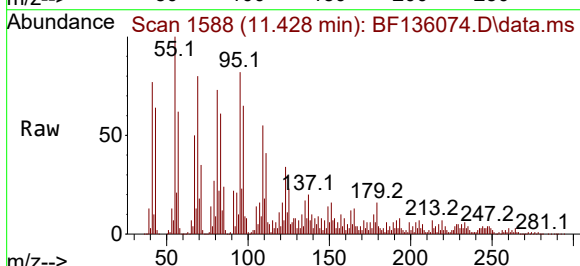
Tgt Ion:178 Resp: 12660

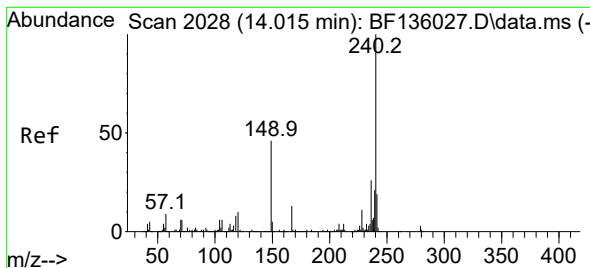
Ion Ratio Lower Upper

178 100

176 51.3 15.5 23.3#

179 273.2 12.9 19.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. 0.053 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

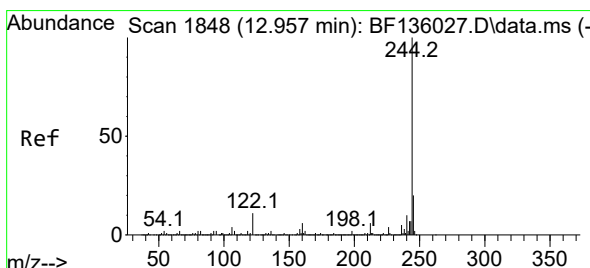
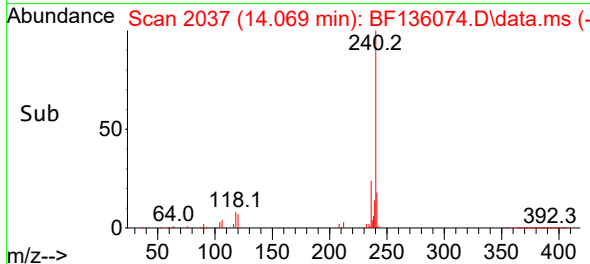
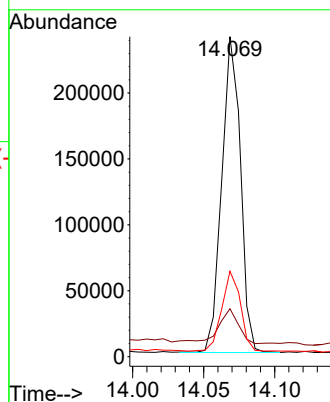
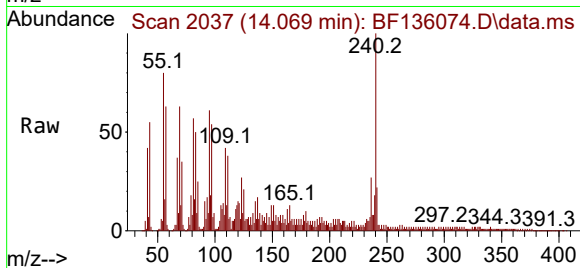
Tgt Ion:240 Resp: 218997

Ion Ratio Lower Upper

240 100

120 15.0 7.6 11.4#

236 26.7 20.6 31.0



#79

Terphenyl-d14

Concen: 21.207 ng

RT: 13.033 min Scan# 1861

Delta R.T. 0.077 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

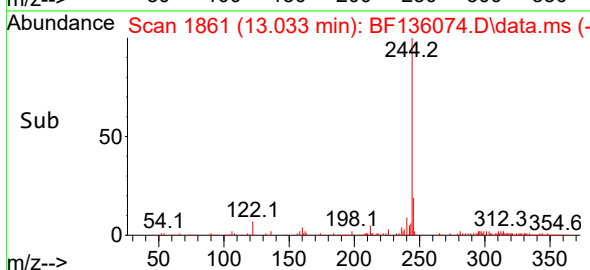
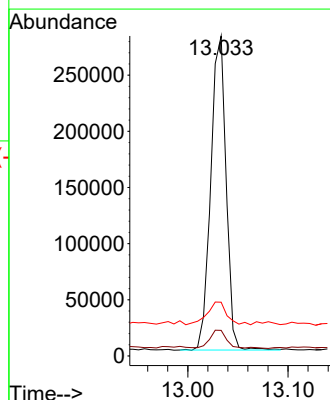
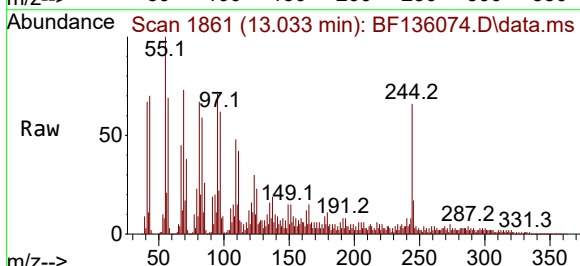
Tgt Ion:244 Resp: 298854

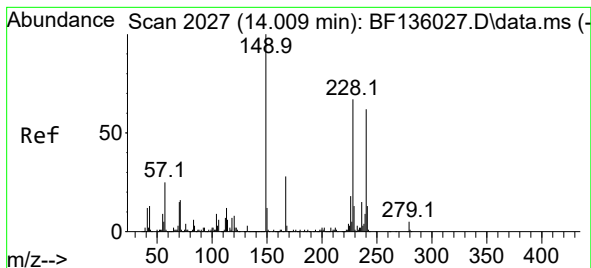
Ion Ratio Lower Upper

244 100

212 8.0 5.1 7.7#

122 16.8 8.6 12.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.038 ng

RT: 14.263 min Scan# 2027

Delta R.T. 0.253 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

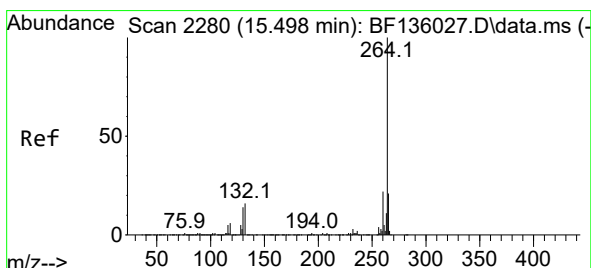
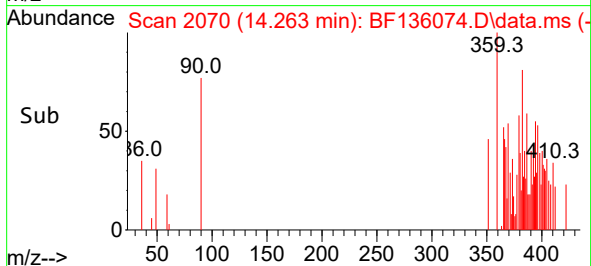
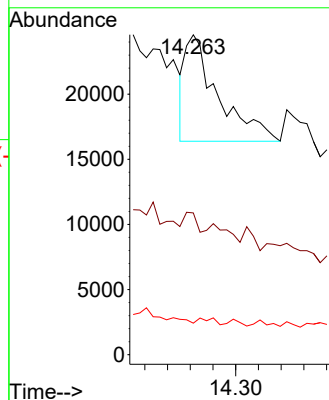
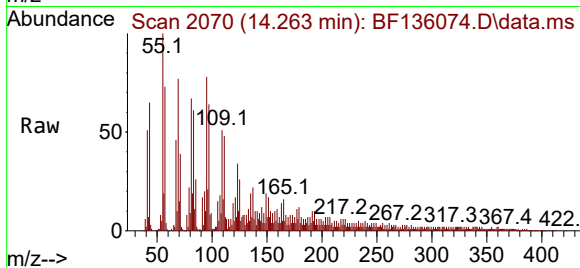
Tgt Ion:149 Resp: 16407

Ion Ratio Lower Upper

149 100

167 44.3 22.6 33.8#

279 9.8 4.1 6.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2284

Delta R.T. 0.024 min

Lab File: BF136074.D

Acq: 01 Nov 2023 13:56

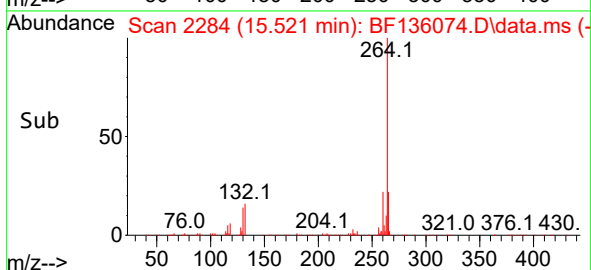
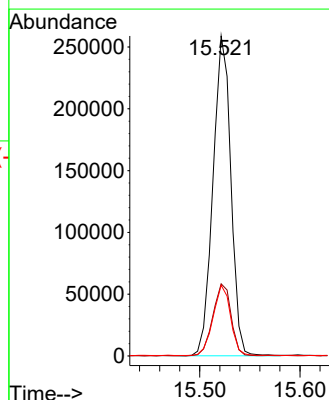
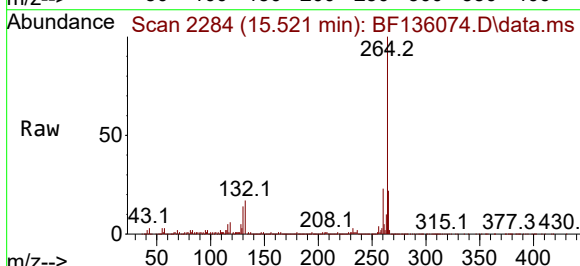
Tgt Ion:264 Resp: 320096

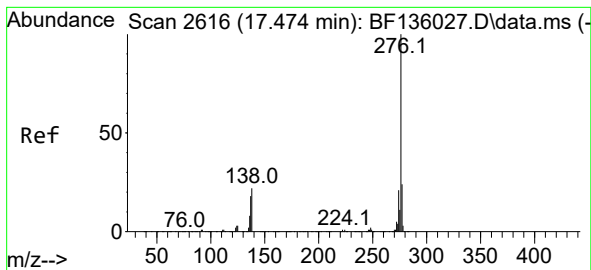
Ion Ratio Lower Upper

264 100

260 22.5 17.9 26.9

265 22.1 16.8 25.2





#92

Benzo(g,h,i)perylene

Concen: 3.060 ng

RT: 17.468 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136074.D

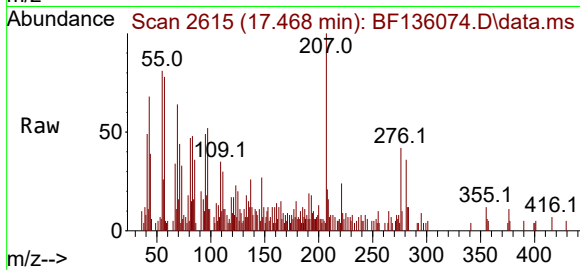
Acq: 01 Nov 2023 13:56

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1



Tgt Ion:276 Resp: 3433

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 29.2 17.4 26.2#

