

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102823\
 Data File : BF136021.D
 Acq On : 28 Oct 2023 23:28
 Operator : CG\JU
 Sample : 05048-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONE

Quant Time: Oct 30 00:33:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

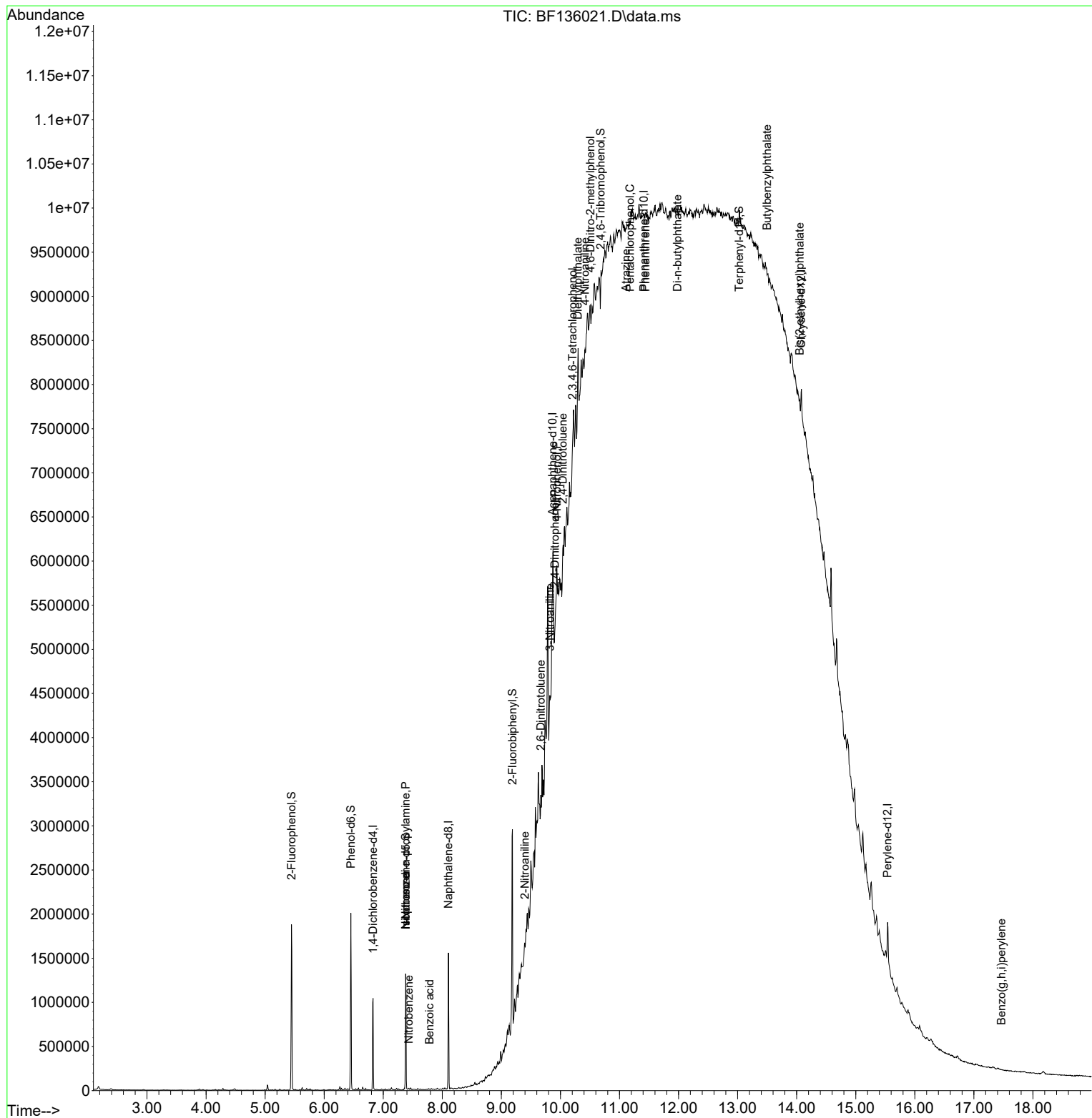
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	151938	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	577866	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	199509	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	123342	20.000	ng	# 0.06
76) Chrysene-d12	14.074	240	222197	20.000	ng	# 0.06
86) Perylene-d12	15.539	264	240545	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	522529	53.105	ng	0.00
7) Phenol-d6	6.451	99	637950	52.078	ng	0.00
23) Nitrobenzene-d5	7.381	82	366257	46.004	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	84584	48.436	ng	0.02
45) 2-Fluorobiphenyl	9.186	172	698180	56.036	ng	0.00
79) Terphenyl-d14	13.027	244	255640	19.222	ng	0.07
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	48638	6.982	ng	# 78
24) Nitrobenzene	7.434	77	152	2.597	ng	# 1
25) Isophorone	7.381	82	364510	19.956	ng	# 64
32) Benzoic acid	7.787	122	689	5.989	ng	90
48) 2-Nitroaniline	9.398	65	2355	5.027	ng	# 76
51) 2,6-Dinitrotoluene	9.669	165	11577	8.741	ng	# 27
53) 3-Nitroaniline	9.822	138	13641	8.408	ng	# 17
54) 2,4-Dinitrophenol	9.904	184	1149	6.629	ng	# 1
56) 4-Nitrophenol	9.939	139	7313	8.769	ng	# 1
57) 2,4-Dinitrotoluene	10.039	165	11755	8.939	ng	# 37
59) 2,3,4,6-Tetrachlorophenol	10.204	232	6484	2.200	ng	# 1
60) Diethylphthalate	10.292	149	51391	4.165	ng	# 46
62) 4-Nitroaniline	10.416	138	5560	6.229	ng	# 50
65) 4,6-Dinitro-2-methylph...	10.510	198	2016	12.967	ng	# 1
69) Atrazine	11.110	200	14849	14.618	ng	# 1
70) Pentachlorophenol	11.180	266	980	5.309	ng	# 1
71) Phenanthrene	11.439	178	19156	3.070	ng	# 1
74) Di-n-butylphthalate	11.980	149	24584	4.053	ng	# 28
80) Butylbenzylphthalate	13.498	149	9081	5.012	ng	# 56
84) Bis(2-ethylhexyl)phtha...	14.051	149	32248	4.203	ng	# 75
92) Benzo(g,h,i)perylene	17.468	276	2297	3.917	ng	# 1

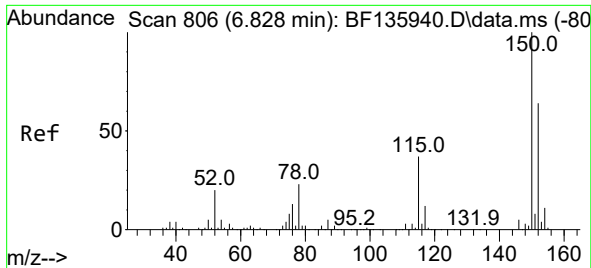
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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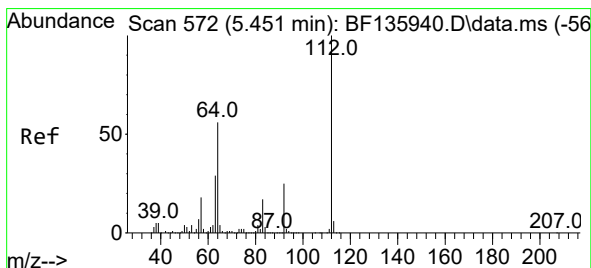
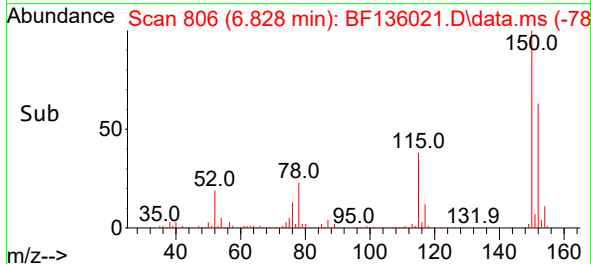
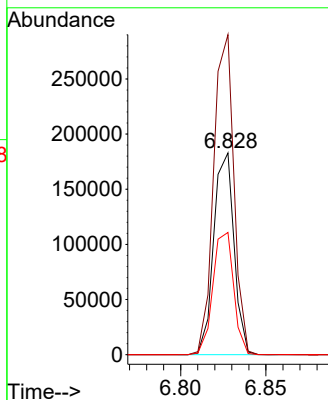
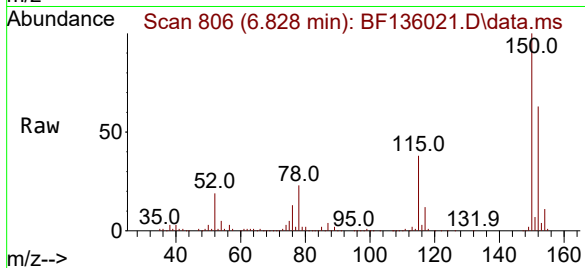




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

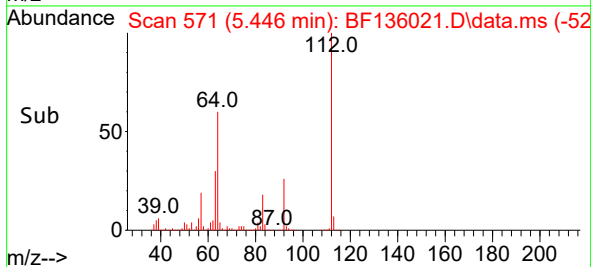
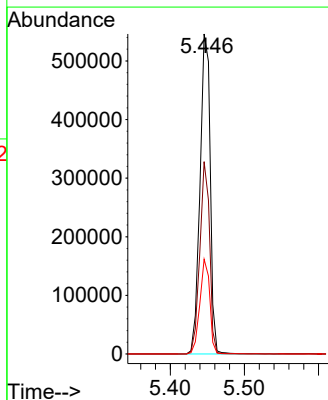
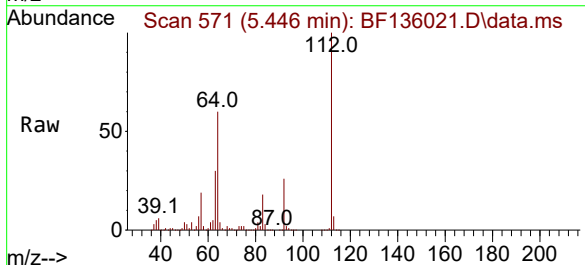
Instrument :
BNA_F
ClientSampleId :
OILY-STONE

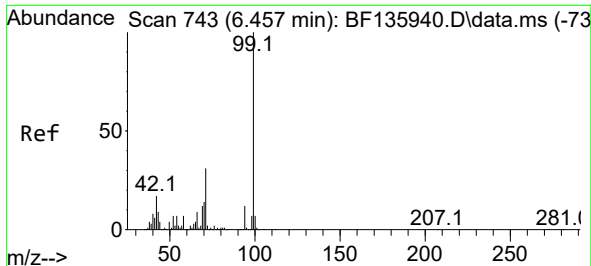
Tgt Ion:152 Resp: 151938
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 60.6 46.6 69.8



#5
2-Fluorophenol
Concen: 53.105 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:112 Resp: 522529
Ion Ratio Lower Upper
112 100
64 60.1 45.1 67.7
63 29.6 23.0 34.4

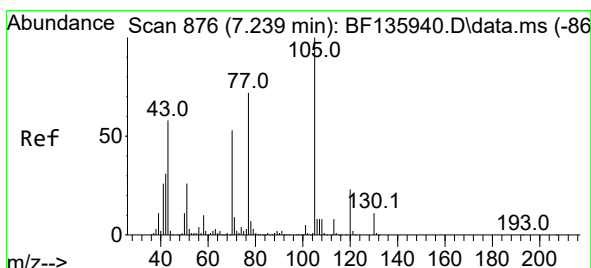
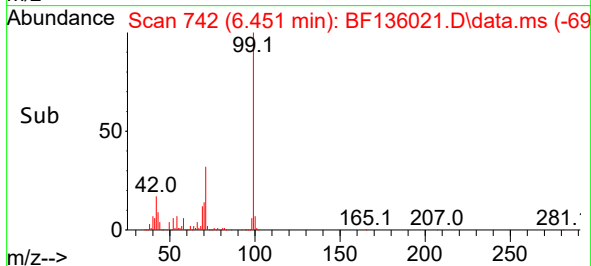
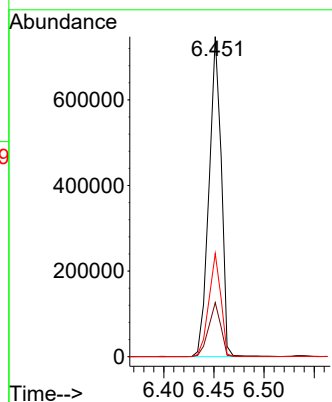
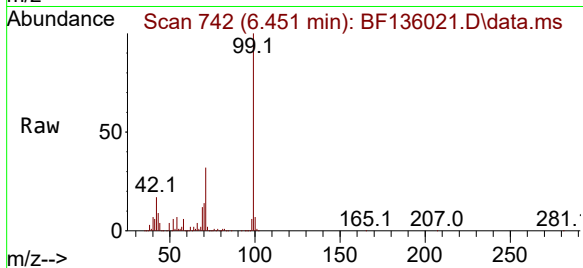




#7
Phenol-d6
Concen: 52.078 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

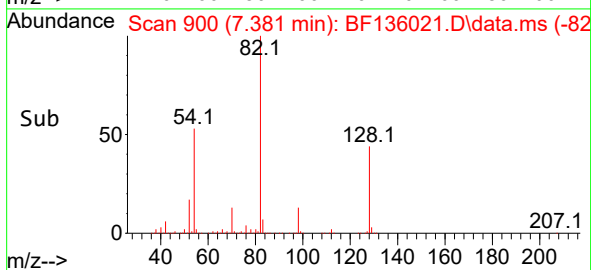
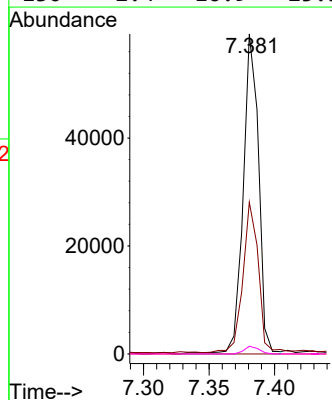
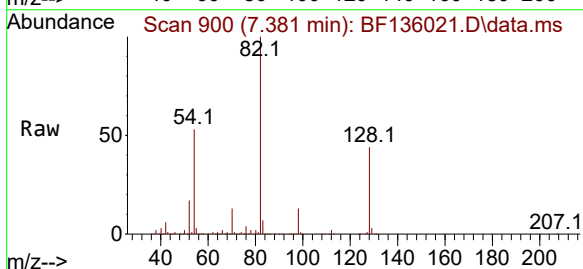
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BNA_F
ClientSampleId :
OILY-STONE

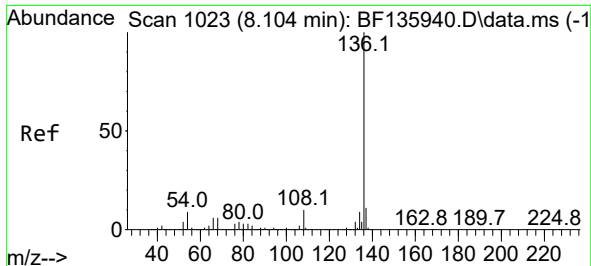
Tgt Ion: 99 Resp: 637950
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.8
71 32.3 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.982 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion: 70 Resp: 48638
Ion Ratio Lower Upper
70 100
42 47.4 47.3 70.9
101 0.0 7.8 11.8#
130 2.4 16.9 25.3#



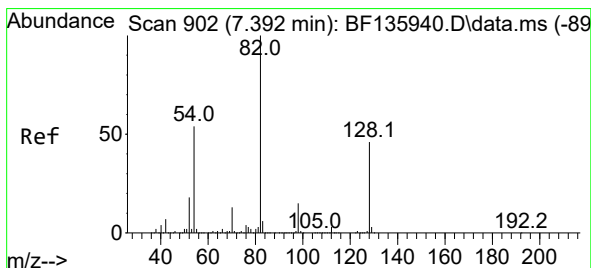
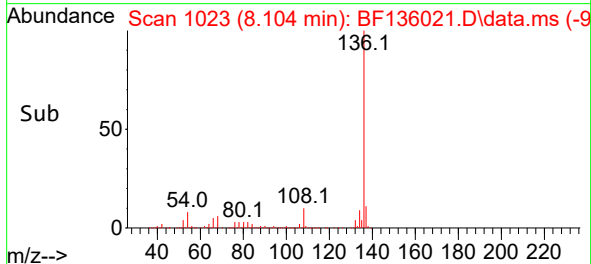
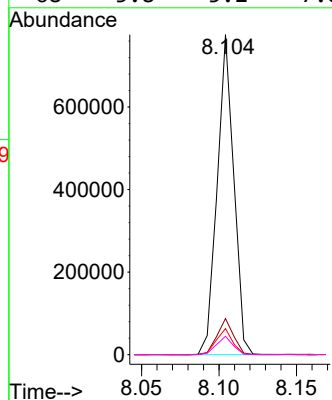
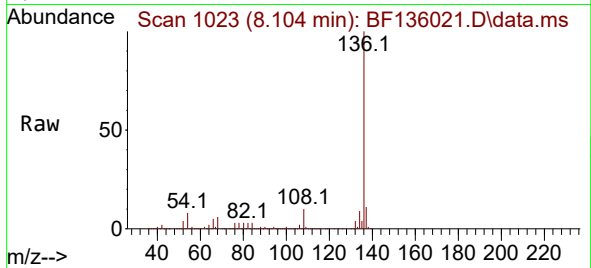


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Instrument :
BNA_F
ClientSampleId :
OILY-STONE

Tgt Ion:136 Resp: 577866

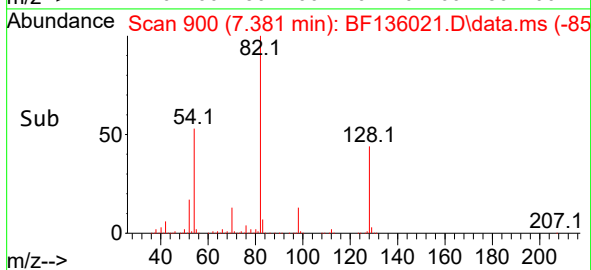
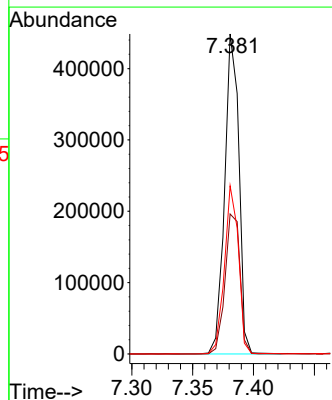
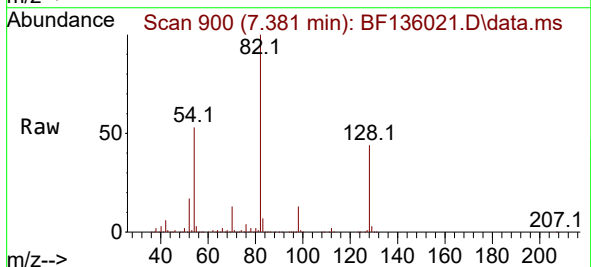
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	8.2	7.1	10.7
68	5.8	5.2	7.8

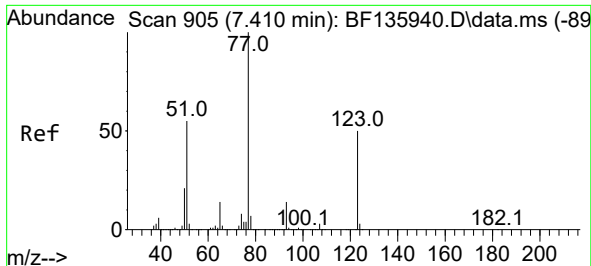


#23
Nitrobenzene-d5
Concen: 46.004 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.011 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion: 82 Resp: 366257

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.8	55.2
54	52.5	43.4	65.0

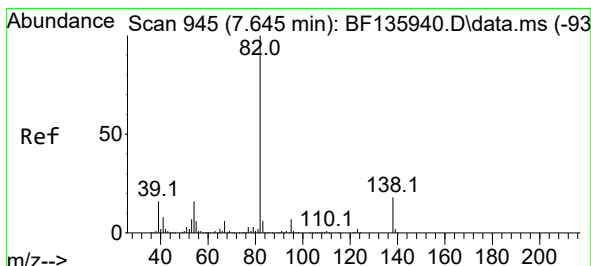
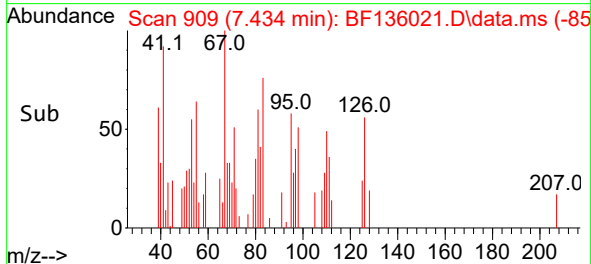
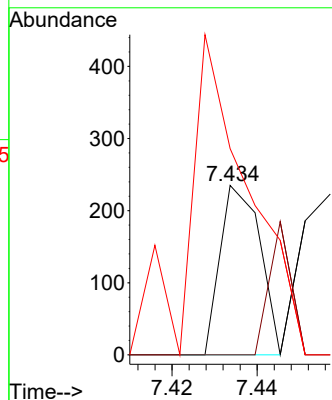
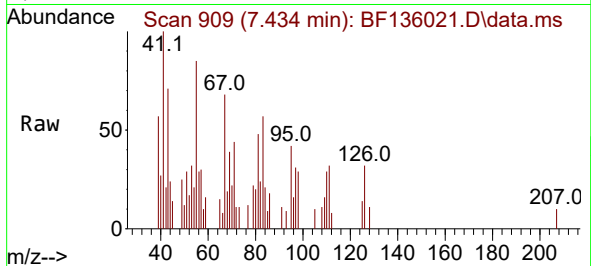




#24
Nitrobenzene
Concen: 2.597 ng
RT: 7.434 min Scan# 900
Delta R.T. 0.024 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

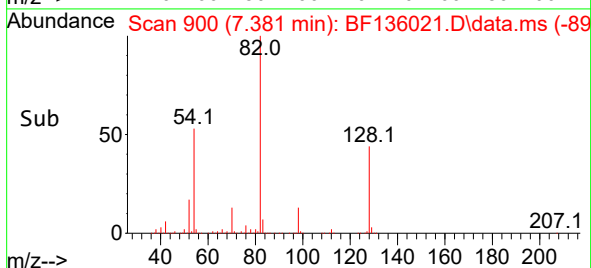
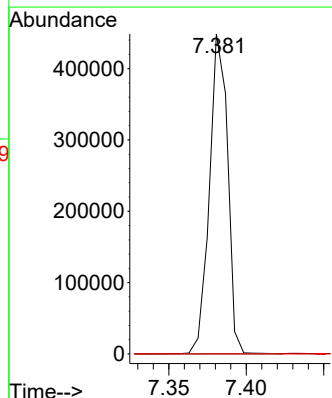
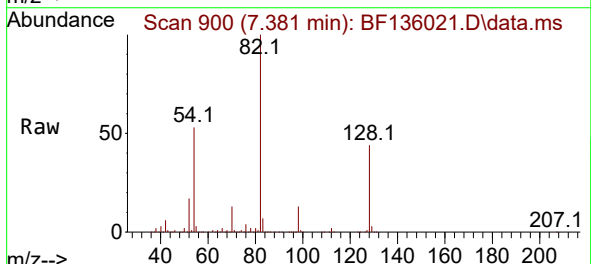
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ClientSampleId :
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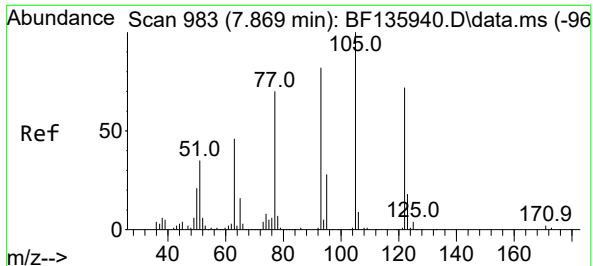
Tgt Ion: 77 Resp: 152
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 121.7 11.0 16.4#



#25
Isophorone
Concen: 19.956 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion: 82 Resp: 364510
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

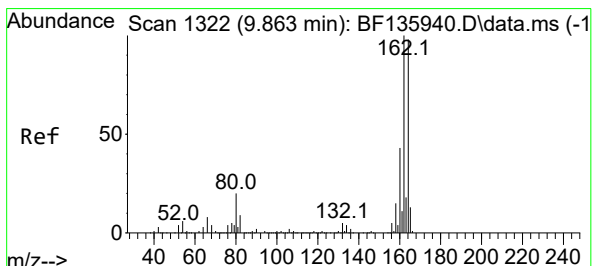
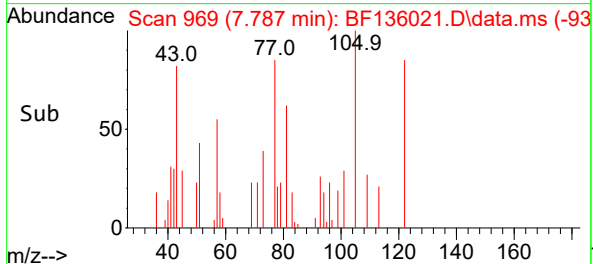
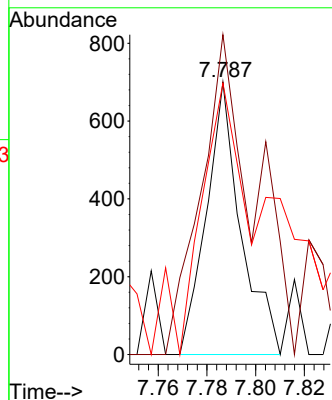
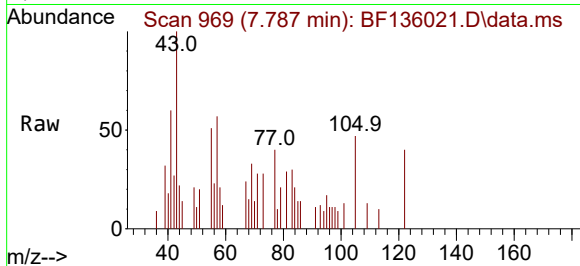




#32
Benzoic acid
Concen: 5.989 ng
RT: 7.787 min Scan# 90
Delta R.T. -0.082 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

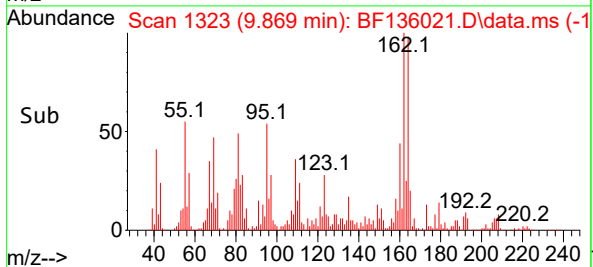
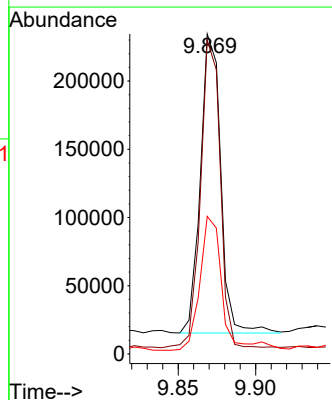
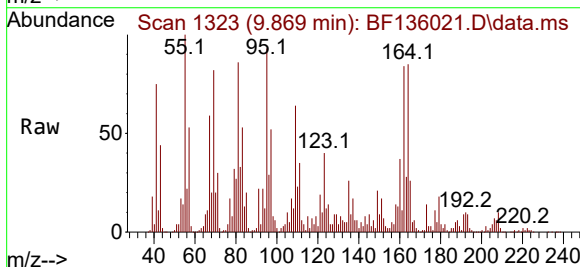
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BNA_F
ClientSampleId :
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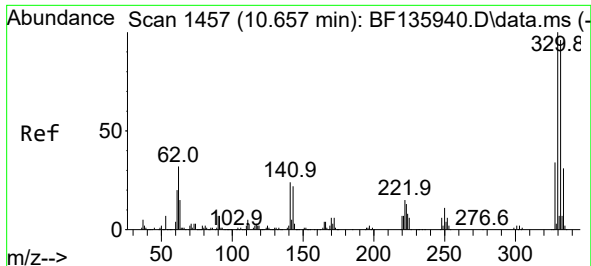
Tgt Ion:122 Resp: 689
Ion Ratio Lower Upper
122 100
105 117.4 113.1 153.1
77 99.7 75.2 115.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:164 Resp: 199509
Ion Ratio Lower Upper
164 100
162 98.1 82.0 123.0
160 43.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 48.436 ng

RT: 10.680 min Scan# 1457

Delta R.T. 0.024 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

OILY-STONE

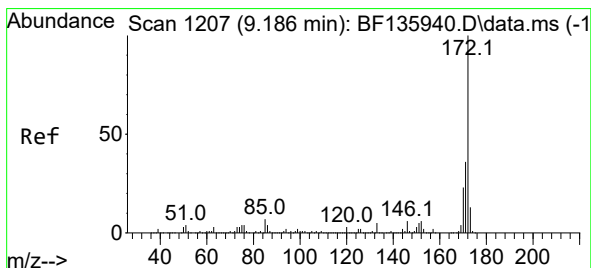
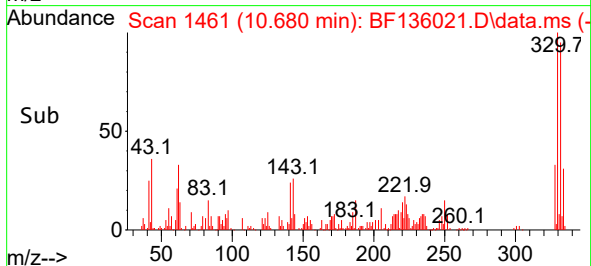
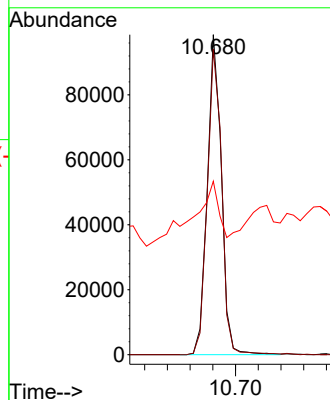
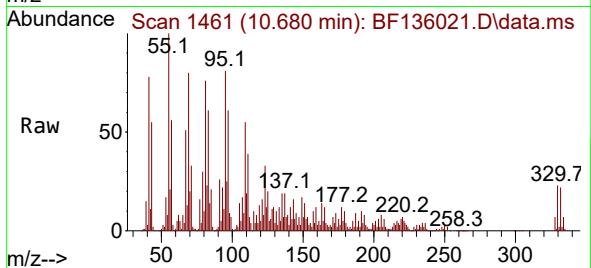
Tgt Ion:330 Resp: 84584

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.2

141 41.0 24.9 37.3#



#45

2-Fluorobiphenyl

Concen: 56.036 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

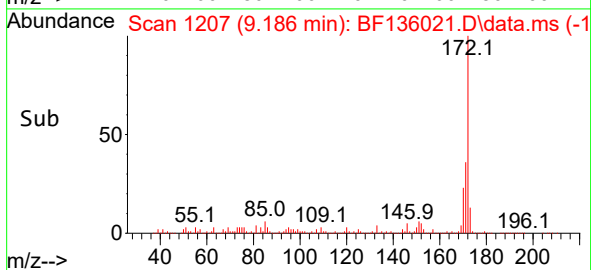
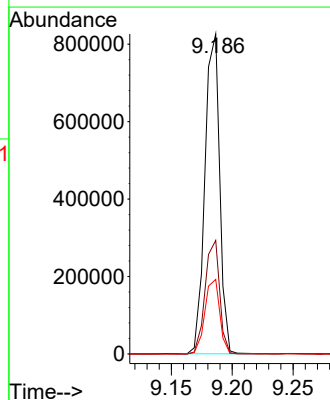
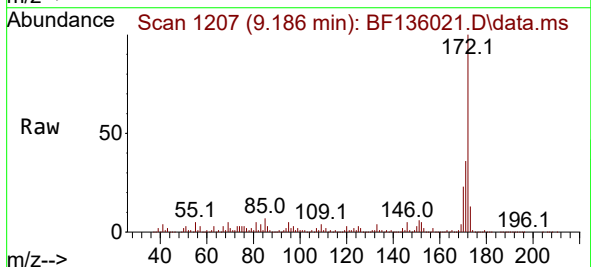
Tgt Ion:172 Resp: 698180

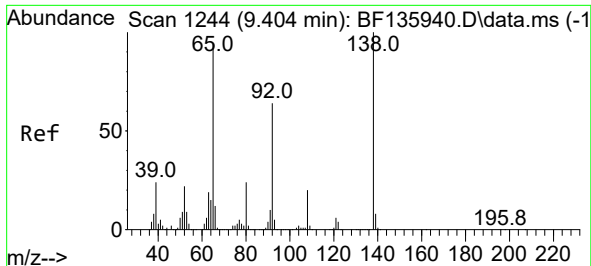
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.3 18.6 28.0

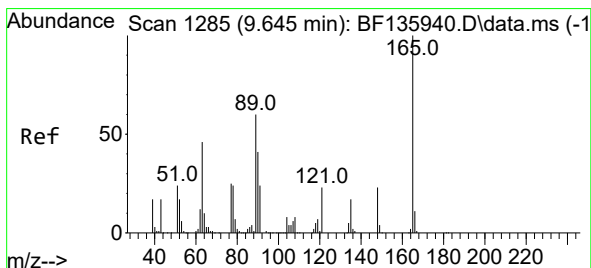
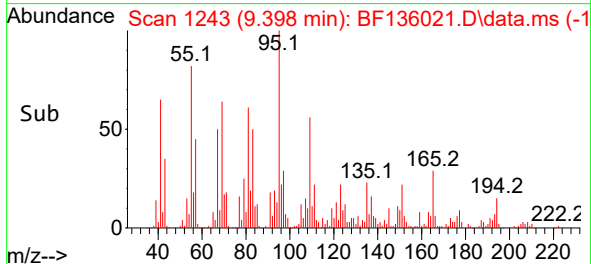
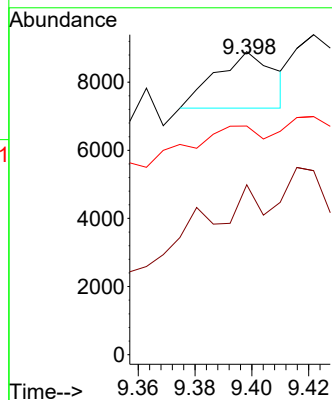
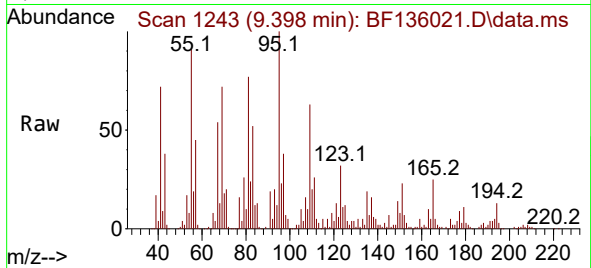




#48
2-Nitroaniline
Concen: 5.027 ng
RT: 9.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

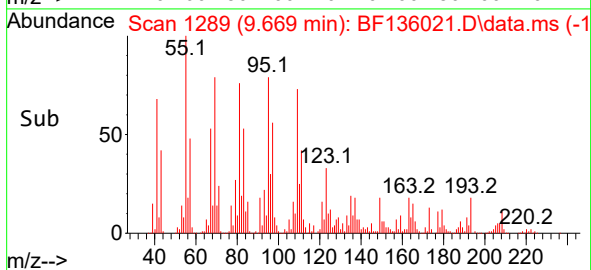
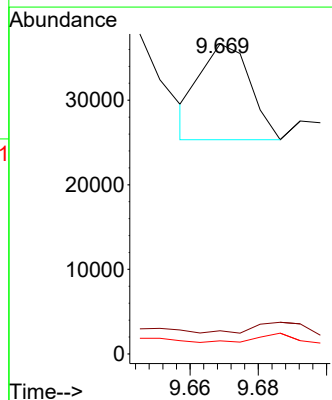
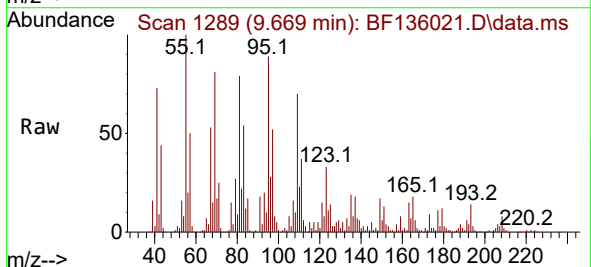
Instrument :
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OILY-STONE

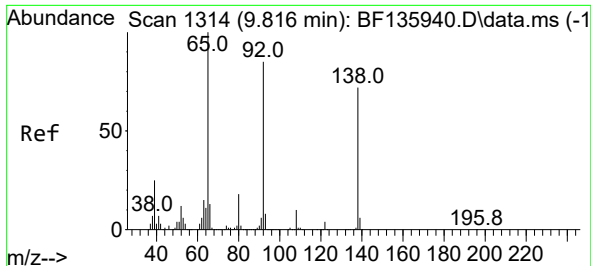
Tgt Ion: 65 Resp: 2355
Ion Ratio Lower Upper
65 100
92 56.1 54.9 82.3
138 75.5 85.2 127.8#



#51
2,6-Dinitrotoluene
Concen: 8.741 ng
RT: 9.669 min Scan# 1289
Delta R.T. 0.024 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:165 Resp: 11577
Ion Ratio Lower Upper
165 100
63 7.5 51.7 77.5#
89 4.2 48.3 72.5#

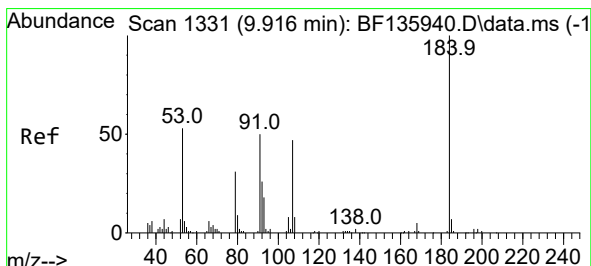
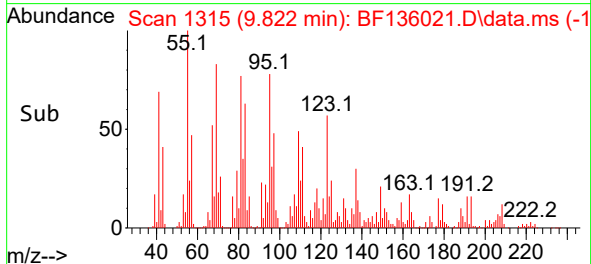
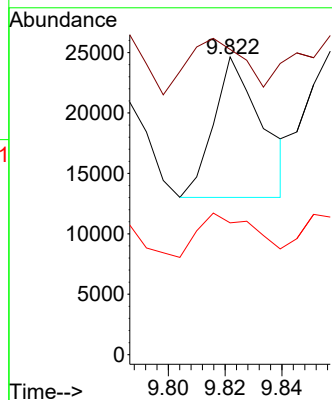
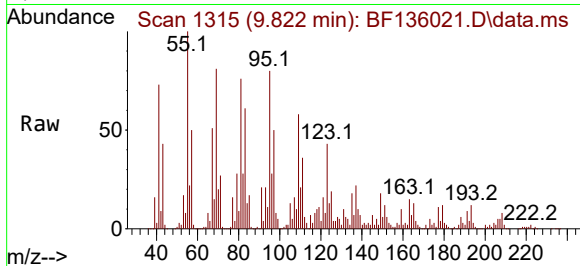




#53
3-Nitroaniline
Concen: 8.408 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

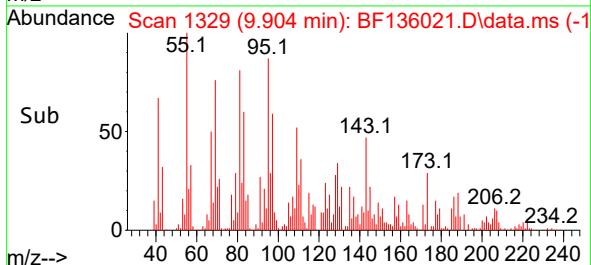
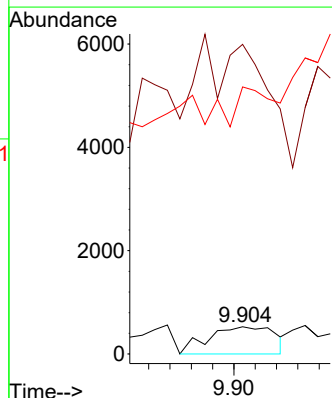
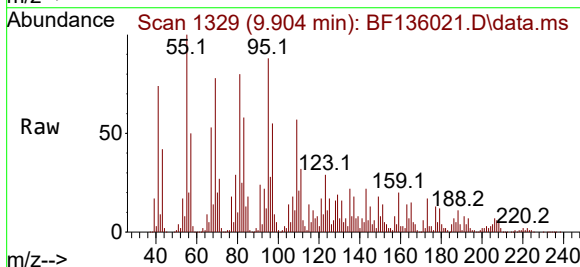
Instrument :
BNA_F
ClientSampleId :
OILY-STONE

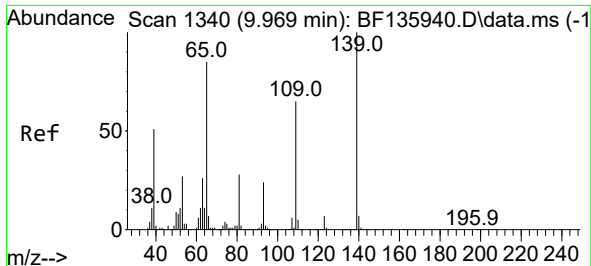
Tgt Ion:138 Resp: 13641
Ion Ratio Lower Upper
138 100
108 102.5 11.3 16.9#
92 44.3 95.0 142.6#



#54
2,4-Dinitrophenol
Concen: 6.629 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:184 Resp: 1149
Ion Ratio Lower Upper
184 100
63 1137.6 56.3 84.5#
154 981.0 48.1 72.1#

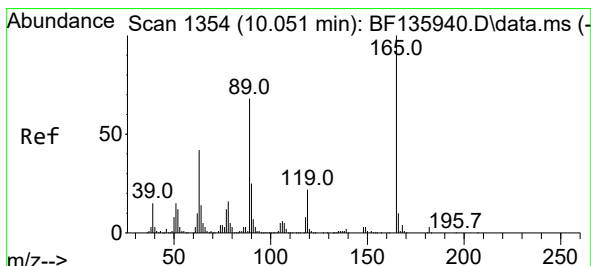
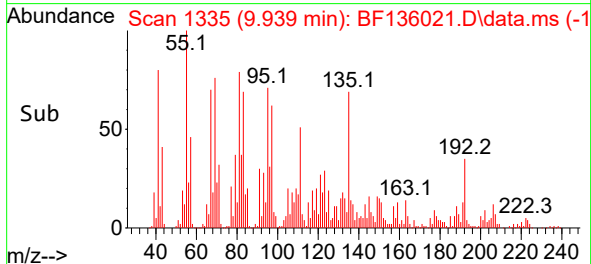
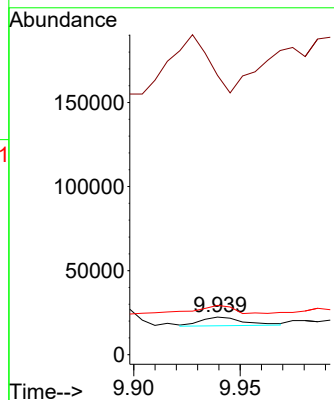
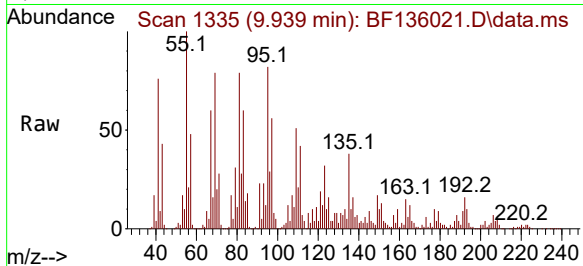




#56
4-Nitrophenol
Concen: 8.769 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.030 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

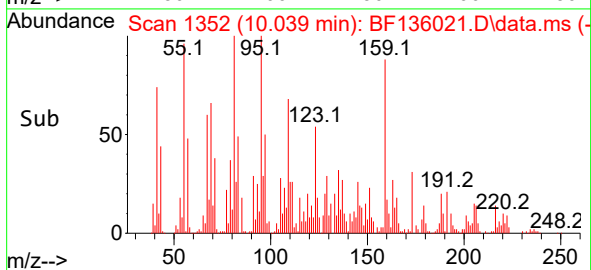
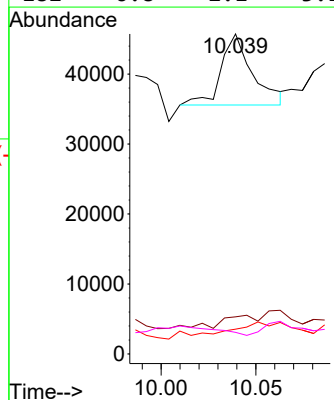
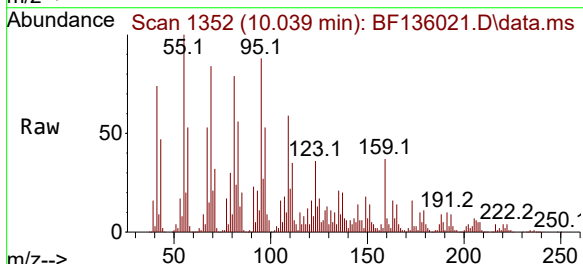
Instrument :
BNA_F
ClientSampleId :
OILY-STONE

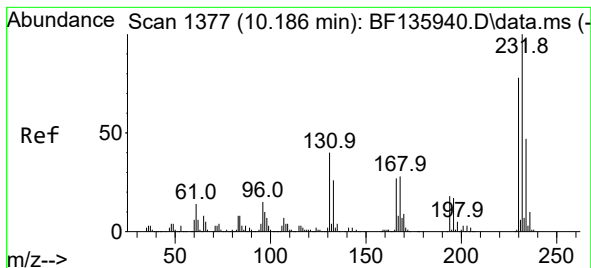
Tgt Ion:139 Resp: 7313
Ion Ratio Lower Upper
139 100
109 742.8 45.2 85.2#
65 131.2 65.1 105.1#



#57
2,4-Dinitrotoluene
Concen: 8.939 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:165 Resp: 11755
Ion Ratio Lower Upper
165 100
63 11.6 33.7 50.5#
89 7.8 54.6 81.8#
182 6.8 2.1 3.1#

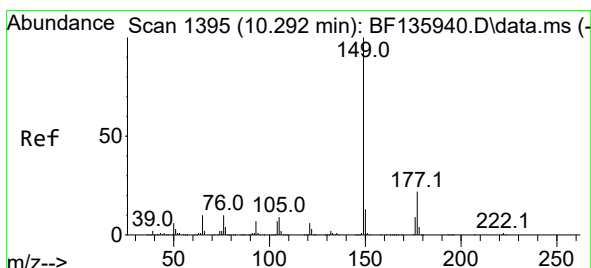
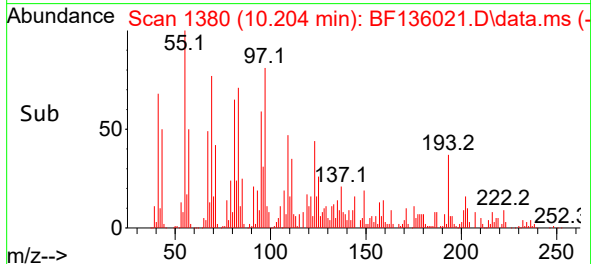
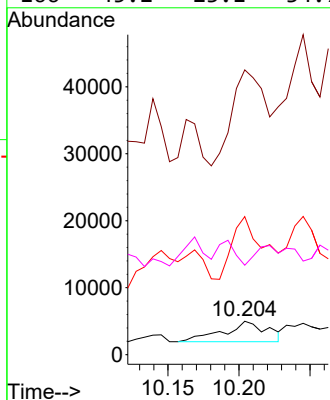
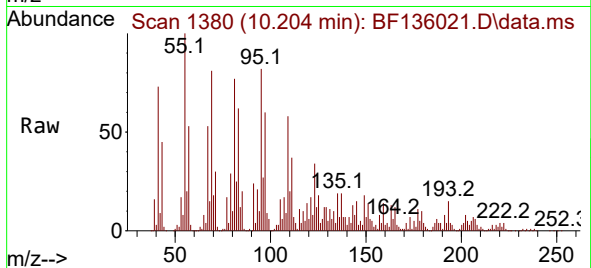




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.200 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.018 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

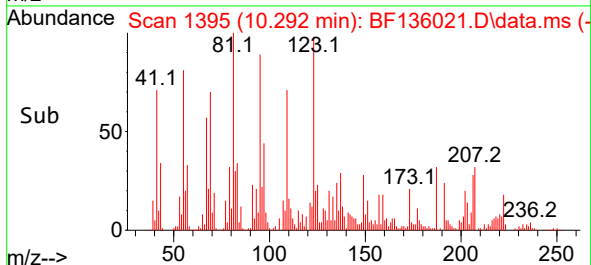
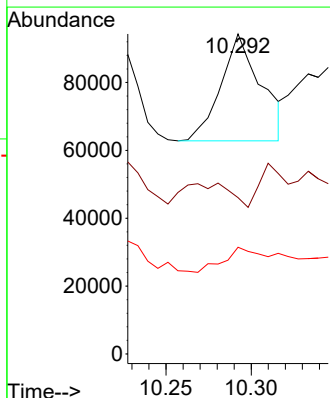
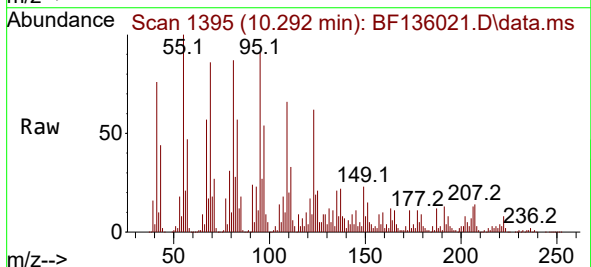
Instrument :
BNA_F
ClientSampleId :
OILY-STONE

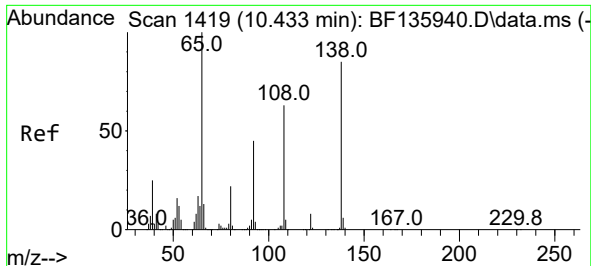
Tgt Ion:232 Resp: 6484
Ion Ratio Lower Upper
232 100
131 352.3 35.2 52.8#
130 219.6 1.7 2.5#
166 45.2 23.1 34.7#



#60
Diethylphthalate
Concen: 4.165 ng
RT: 10.292 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:149 Resp: 51391
Ion Ratio Lower Upper
149 100
177 48.9 17.9 26.9#
150 33.3 10.2 15.2#

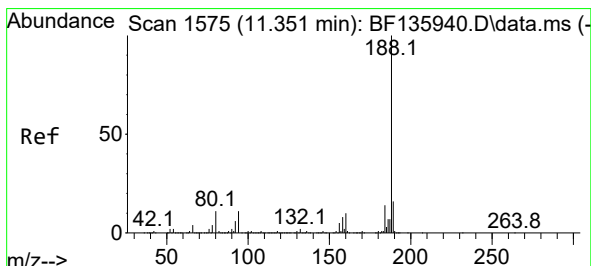
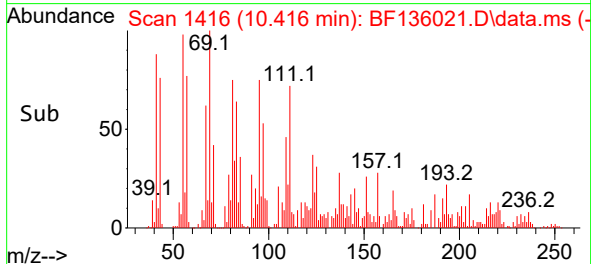
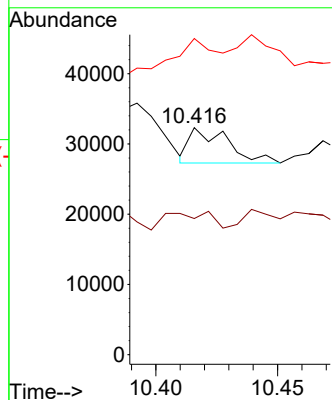
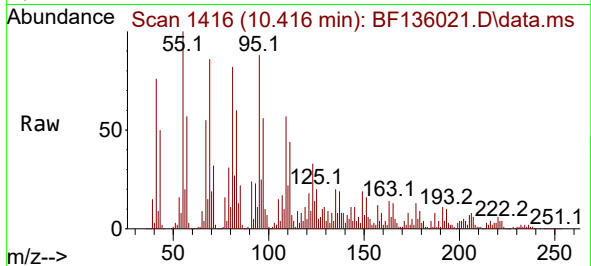




#62
4-Nitroaniline
Concen: 6.229 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.017 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

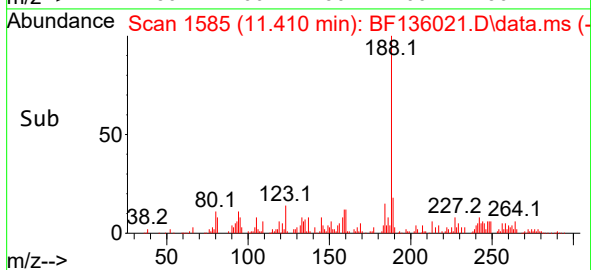
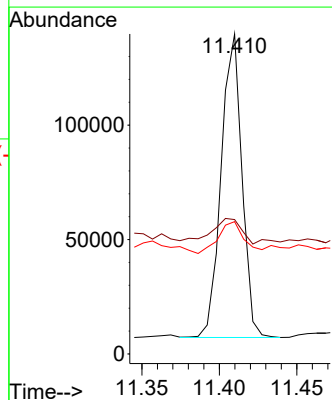
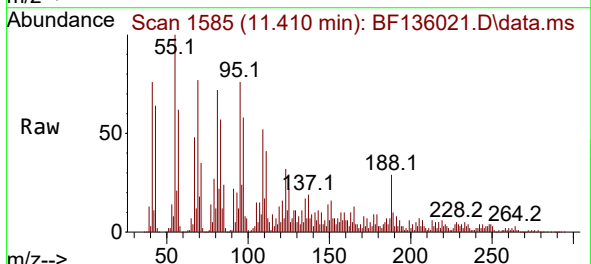
Instrument :
BNA_F
ClientSampleId :
OILY-STONE

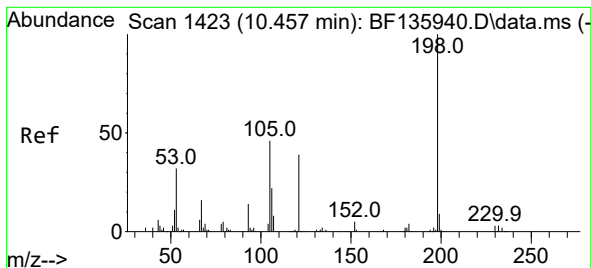
Tgt Ion:138 Resp: 5560
Ion Ratio Lower Upper
138 100
92 60.0 32.9 72.9
108 139.2 53.5 93.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.059 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:188 Resp: 123342
Ion Ratio Lower Upper
188 100
94 42.0 8.6 13.0#
80 41.4 9.0 13.6#

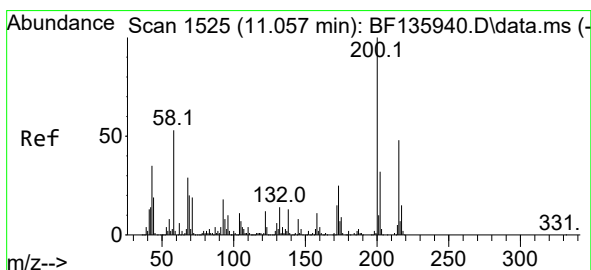
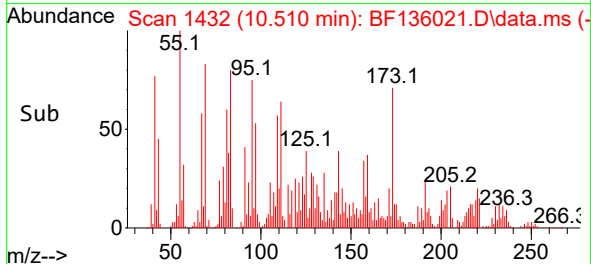
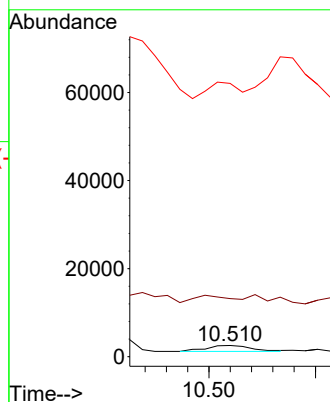
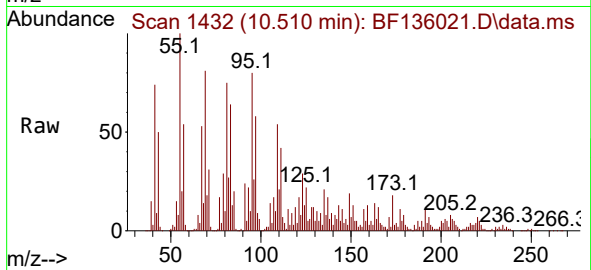




#65
4,6-Dinitro-2-methylphenol
Concen: 12.967 ng
RT: 10.510 min Scan# 1423
Delta R.T. 0.053 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

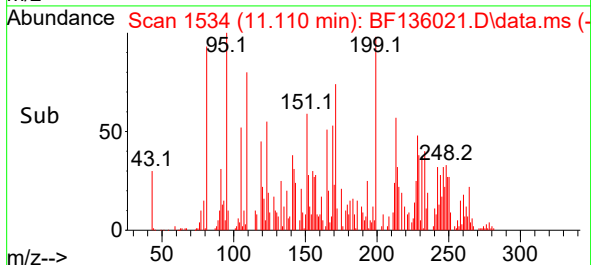
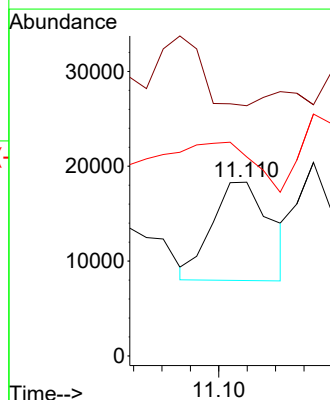
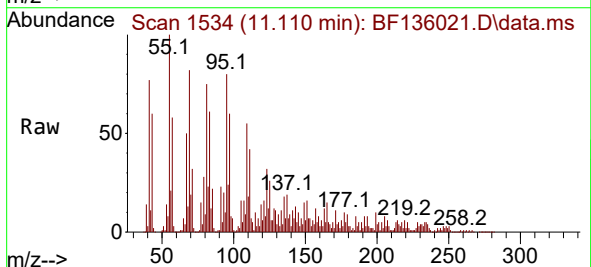
Instrument :
BNA_F
ClientSampleId :
OILY-STONE

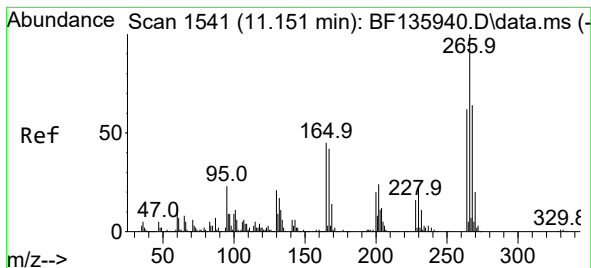
Tgt Ion:198 Resp: 2016
Ion Ratio Lower Upper
198 100
51 519.2 28.7 68.7#
105 2441.5 27.2 67.2#



#69
Atrazine
Concen: 14.618 ng
RT: 11.110 min Scan# 1534
Delta R.T. 0.053 min
Lab File: BF136021.D
Acq: 28 Oct 2023 23:28

Tgt Ion:200 Resp: 14849
Ion Ratio Lower Upper
200 100
173 144.0 5.5 45.5#
215 114.5 27.5 67.5#





#70

Pentachlorophenol

Concen: 5.309 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

OILY-STONE

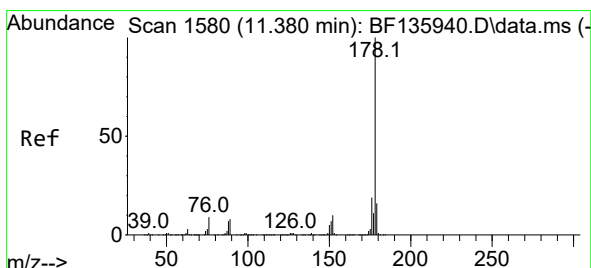
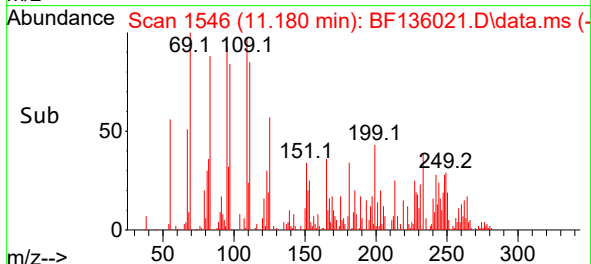
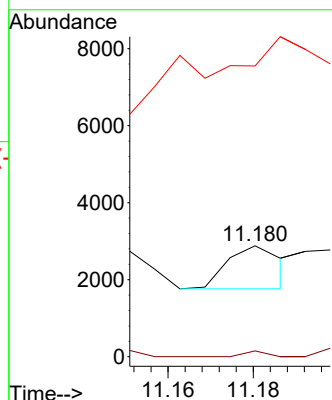
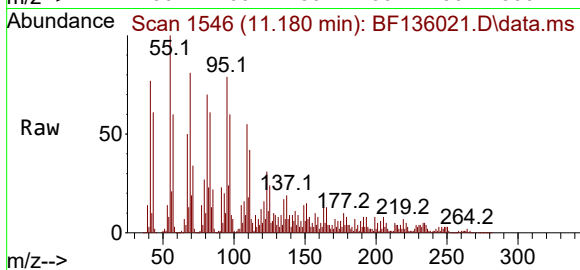
Tgt Ion:266 Resp: 980

Ion Ratio Lower Upper

266 100

268 5.2 50.8 76.2#

264 262.3 49.8 74.6#



#71

Phenanthrene

Concen: 3.070 ng

RT: 11.439 min Scan# 1590

Delta R.T. 0.059 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

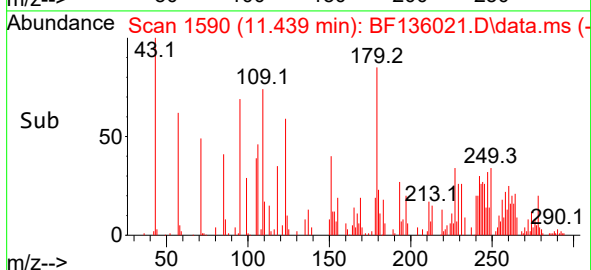
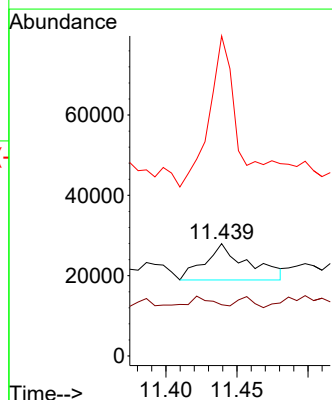
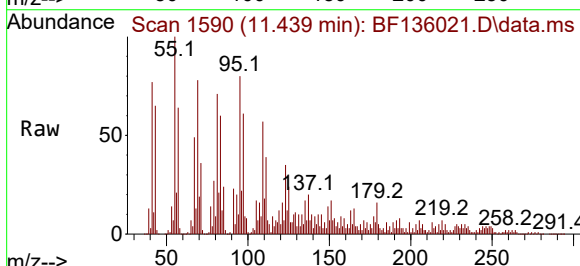
Tgt Ion:178 Resp: 19156

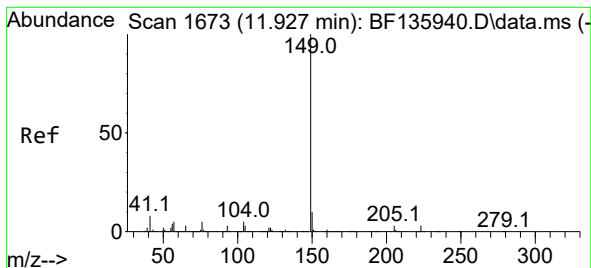
Ion Ratio Lower Upper

178 100

176 45.6 15.4 23.2#

179 285.0 12.5 18.7#





#74

Di-n-butylphthalate

Concen: 4.053 ng

RT: 11.980 min Scan# 1

Delta R.T. 0.053 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

OILY-STONE

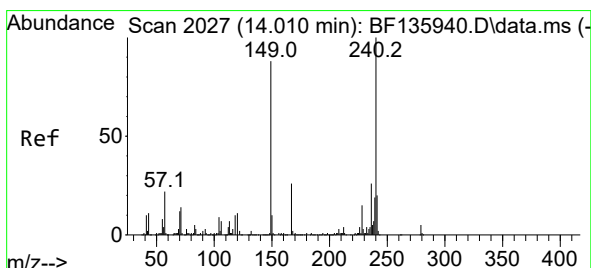
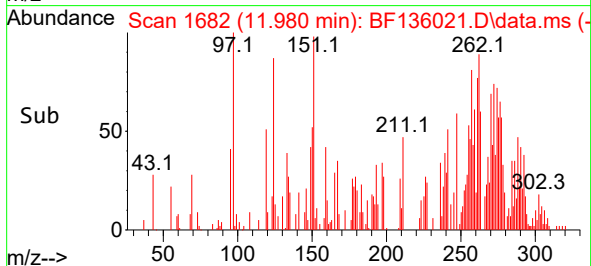
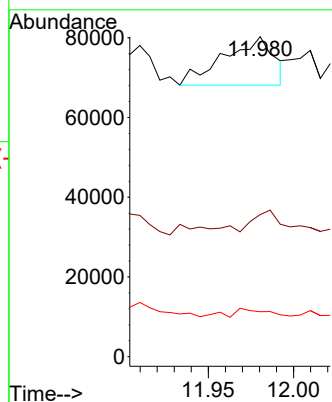
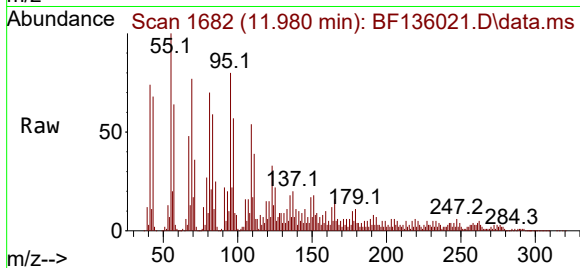
Tgt Ion:149 Resp: 24584

Ion Ratio Lower Upper

149 100

150 44.4 7.7 11.5#

104 14.0 3.9 5.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.065 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

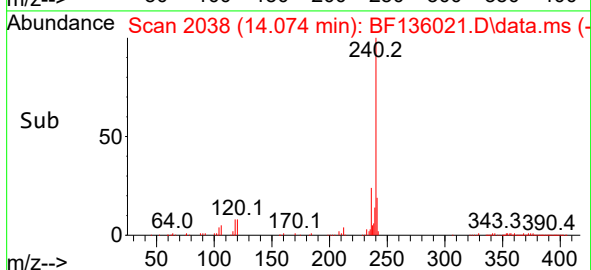
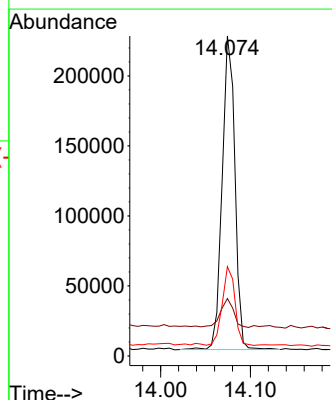
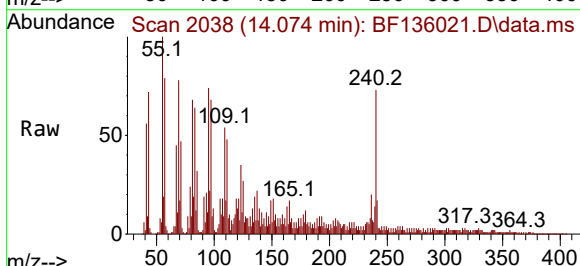
Tgt Ion:240 Resp: 222197

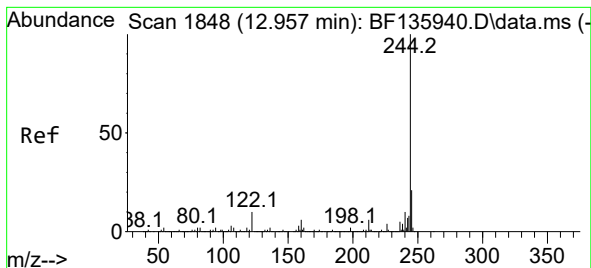
Ion Ratio Lower Upper

240 100

120 18.0 8.6 13.0#

236 27.9 20.6 30.8





#79

Terphenyl-d14

Concen: 19.222 ng

RT: 13.027 min Scan# 1

Delta R.T. 0.071 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

OILY-STONE

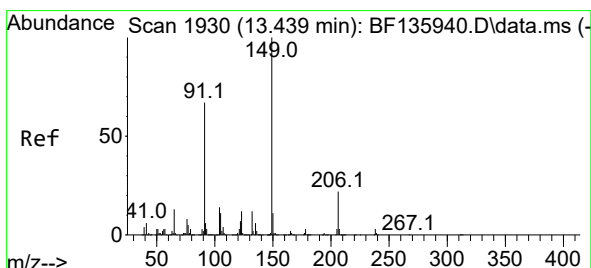
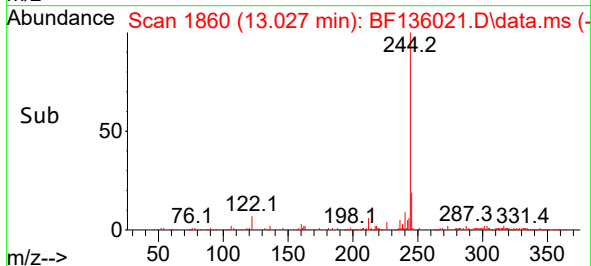
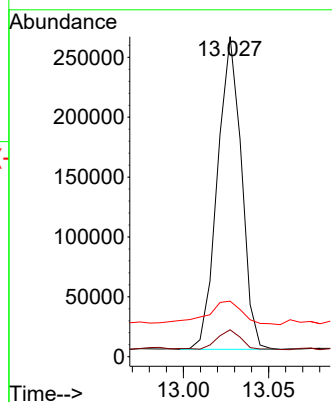
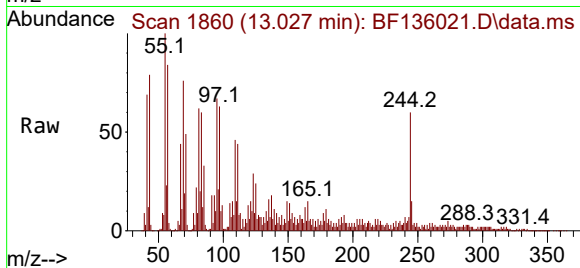
Tgt Ion:244 Resp: 255640

Ion Ratio Lower Upper

244 100

212 8.4 5.0 7.6#

122 17.4 8.0 12.0#



#80

Butylbenzylphthalate

Concen: 5.012 ng

RT: 13.498 min Scan# 1940

Delta R.T. 0.059 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

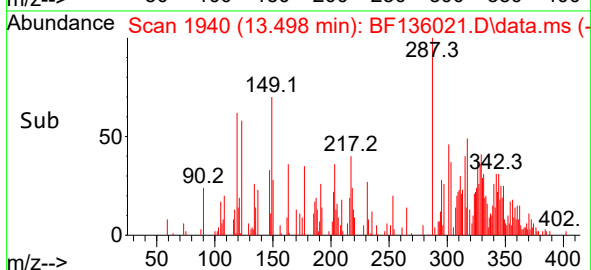
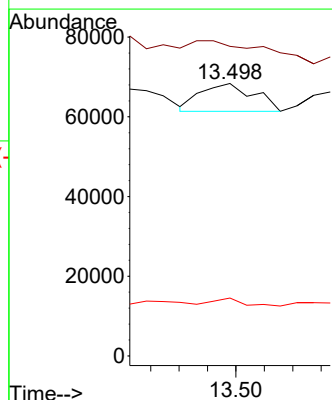
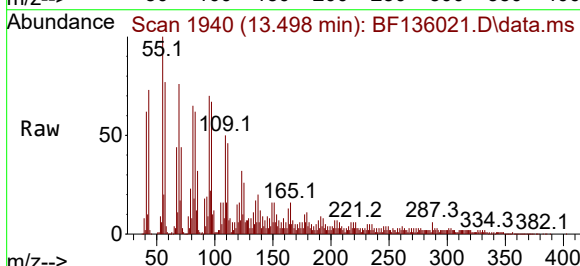
Tgt Ion:149 Resp: 9081

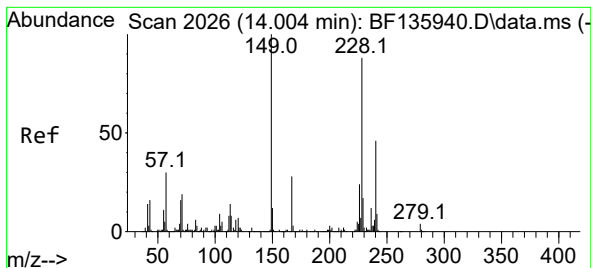
Ion Ratio Lower Upper

149 100

91 113.6 53.4 80.0#

206 21.2 17.5 26.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.203 ng

RT: 14.051 min Scan# 2026

Delta R.T. 0.047 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

OILY-STONE

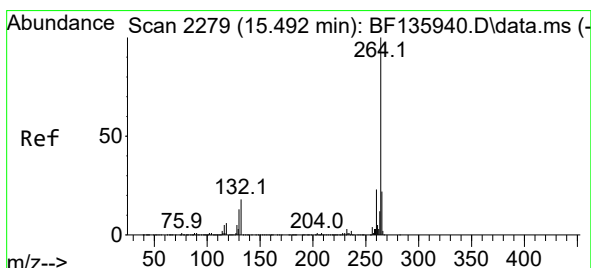
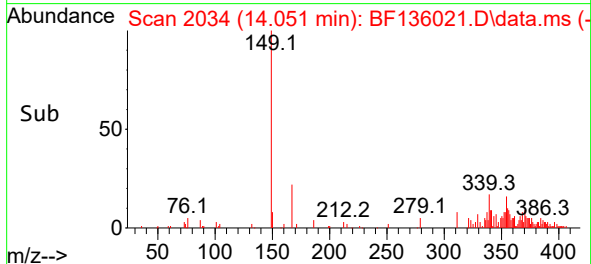
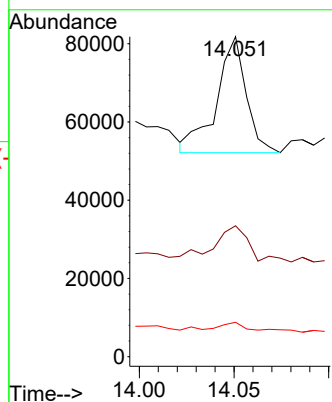
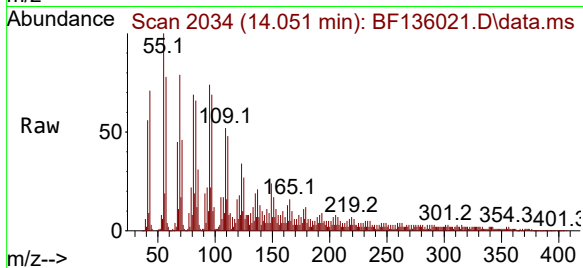
Tgt Ion:149 Resp: 32248

Ion Ratio Lower Upper

149 100

167 40.9 22.2 33.2#

279 10.7 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. 0.047 min

Lab File: BF136021.D

Acq: 28 Oct 2023 23:28

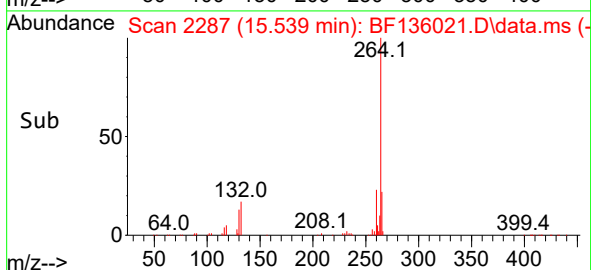
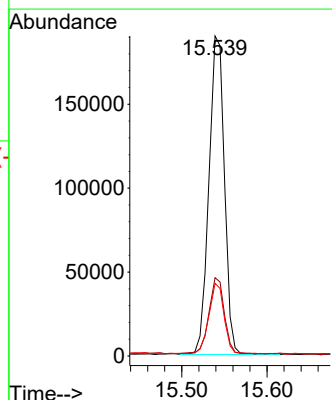
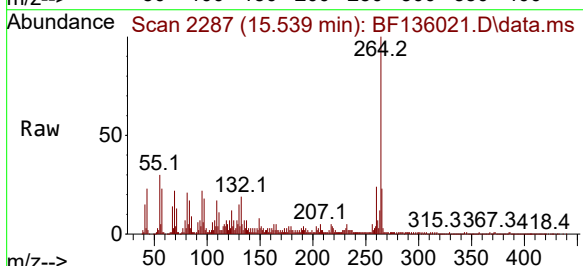
Tgt Ion:264 Resp: 240545

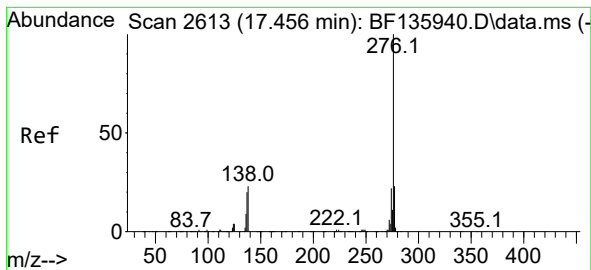
Ion Ratio Lower Upper

264 100

260 24.4 18.6 28.0

265 22.7 17.3 25.9





#92

Benzo(g,h,i)perylene

Concen: 3.917 ng

RT: 17.468 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF136021.D

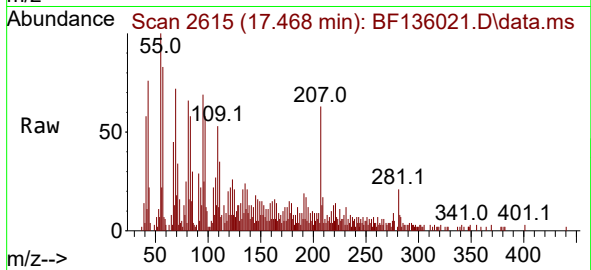
Acq: 28 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

OILY-STONE



Tgt Ion:276 Resp: 2297

Ion Ratio Lower Upper

276 100

277 60.2 18.6 28.0#

138 100.4 18.4 27.6#

