

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136596.D
 Acq On : 15 Dec 2023 16:56
 Operator : CG\JU
 Sample : 05624-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2

Quant Time: Dec 16 02:04:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

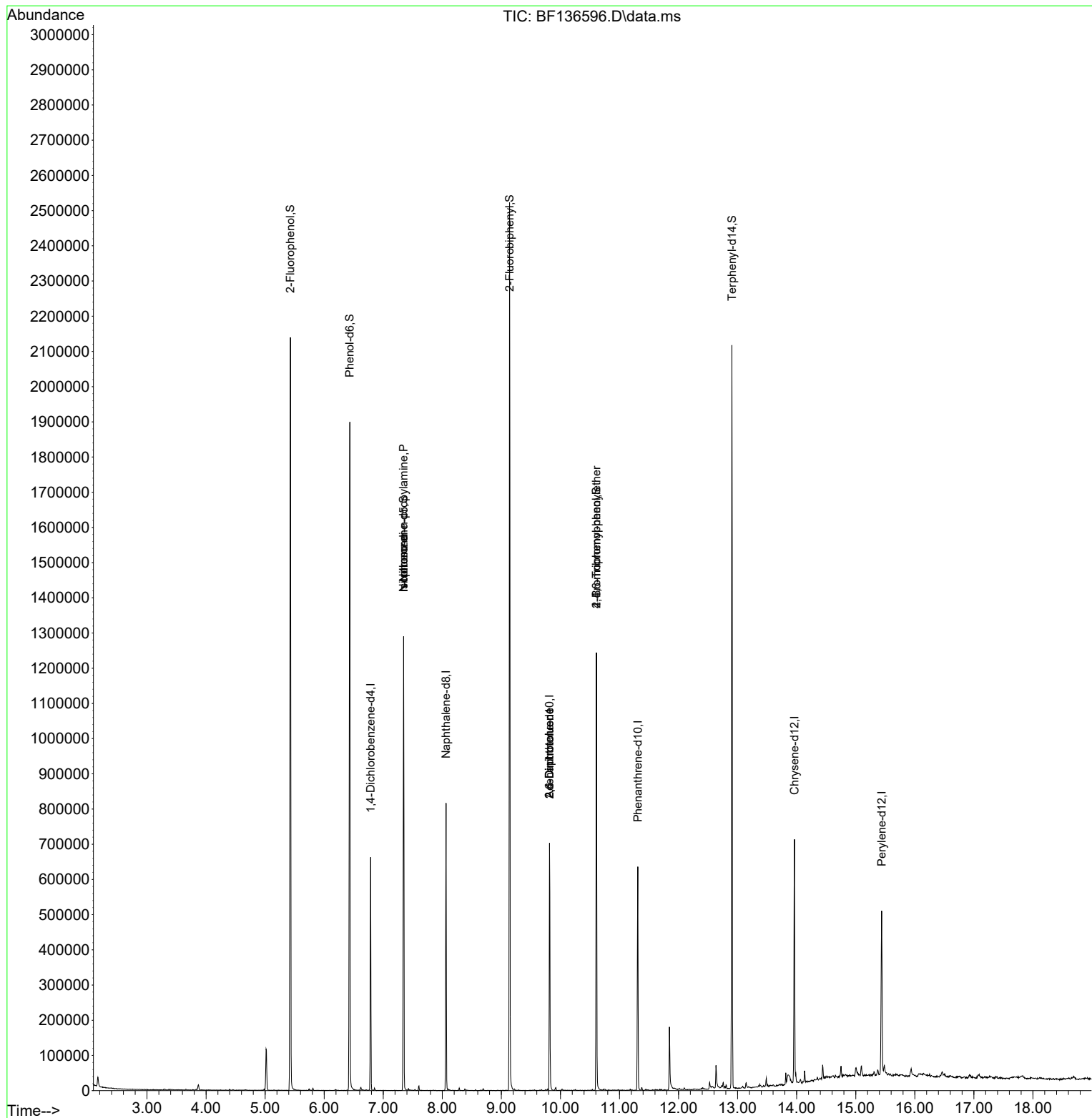
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89441	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	324125	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	141276	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	228126	20.000	ng	0.00
76) Chrysene-d12	13.963	240	216137	20.000	ng	0.00
86) Perylene-d12	15.439	264	215051	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	574539	94.866	ng	0.00
7) Phenol-d6	6.434	99	658886	87.198	ng	0.00
23) Nitrobenzene-d5	7.345	82	395016	65.884	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	148510	85.255	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	742402	71.704	ng	0.00
79) Terphenyl-d14	12.904	244	726843	44.324	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.428	77	946	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.345	70	50975	11.695	ng	# 75
25) Isophorone	7.345	82	395012	36.671	ng	# 65
51) 2,6-Dinitrotoluene	9.816	165	18098	7.734	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	18098	5.847	ng	# 28
67) 4-Bromophenyl-phenylether	10.610	248	9587	3.615	ng	# 1
77) Benzidine	12.904	184	8203	Below Cal	#	93

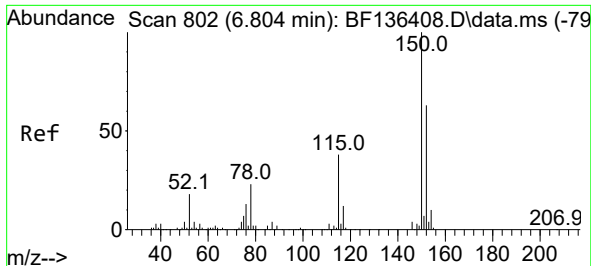
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 00:33:23 2023
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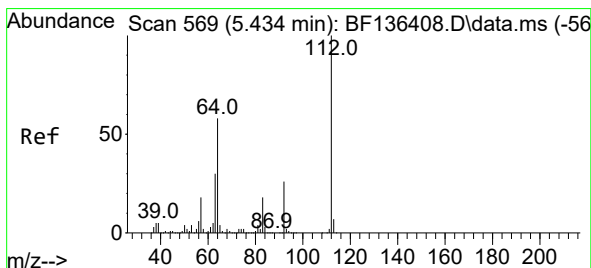
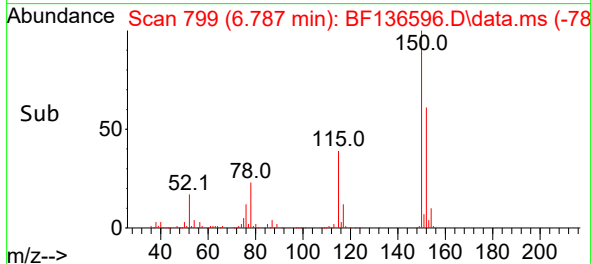
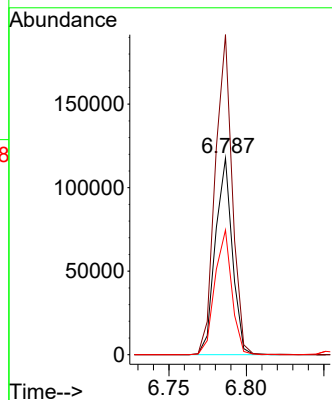
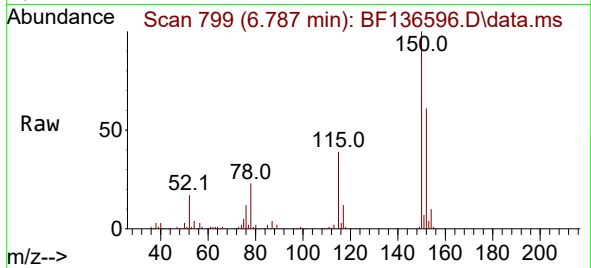




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF136596.D
 Acq: 15 Dec 2023 16:56

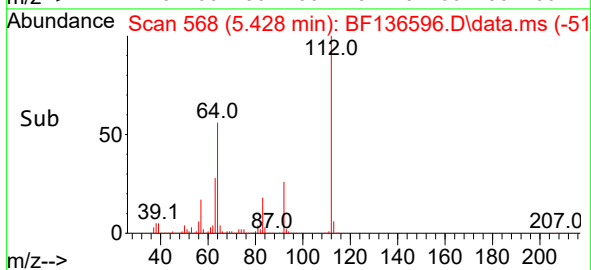
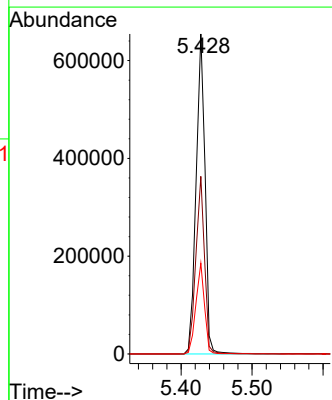
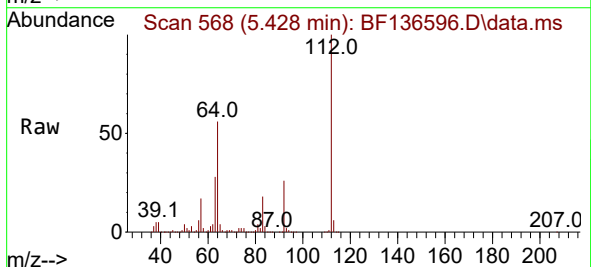
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2

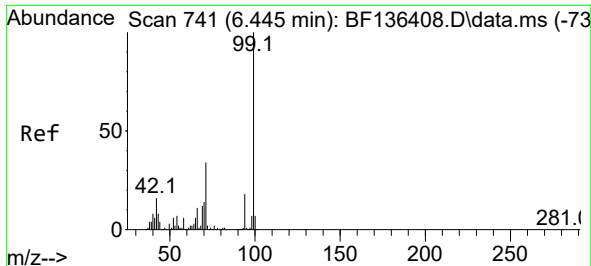
Tgt Ion:152 Resp: 89441
 Ion Ratio Lower Upper
 152 100
 150 162.9 126.4 189.6
 115 63.4 48.2 72.4



#5
 2-Fluorophenol
 Concen: 94.866 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.006 min
 Lab File: BF136596.D
 Acq: 15 Dec 2023 16:56

Tgt Ion:112 Resp: 574539
 Ion Ratio Lower Upper
 112 100
 64 55.5 46.5 69.7
 63 28.4 23.9 35.9

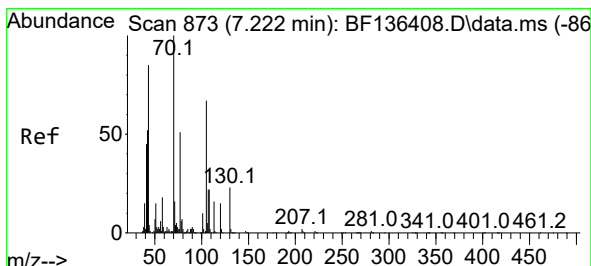
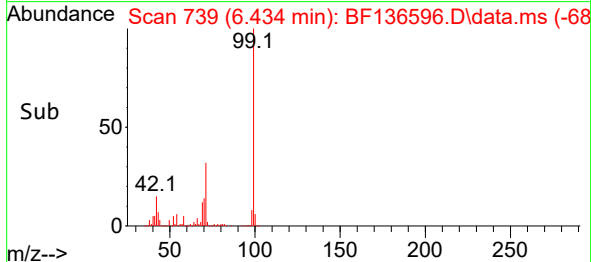
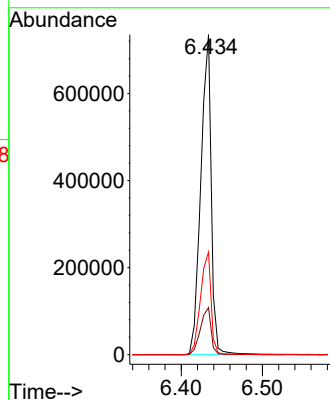
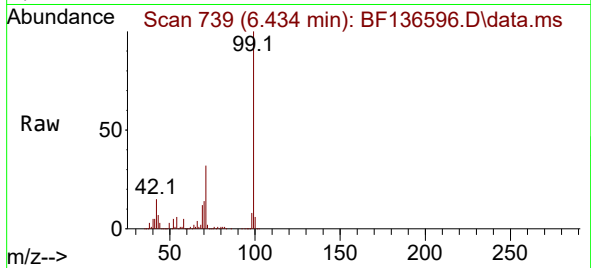




#7
Phenol-d6
Concen: 87.198 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

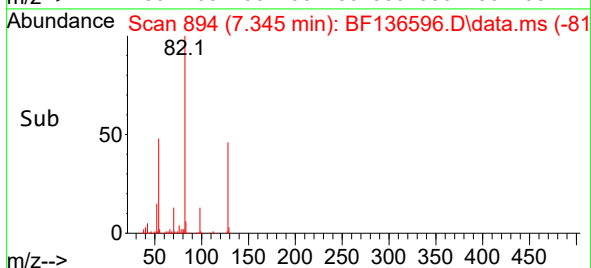
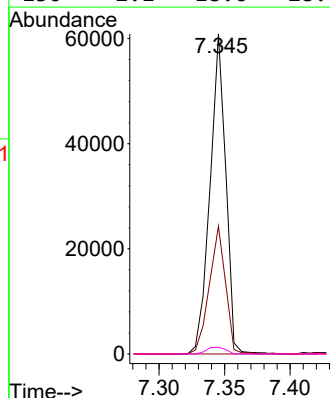
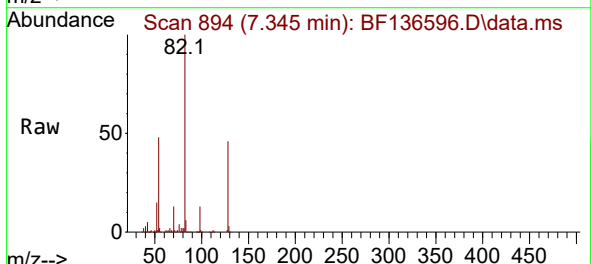
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2

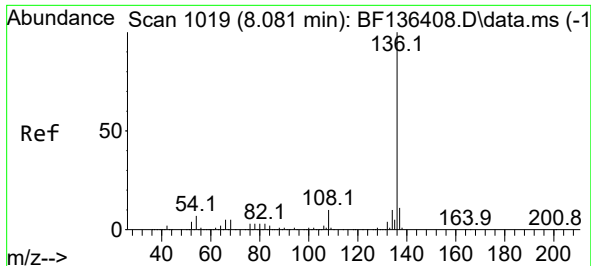
Tgt Ion: 99 Resp: 658886
Ion Ratio Lower Upper
99 100
42 14.7 12.8 19.2
71 32.1 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.695 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

Tgt Ion: 70 Resp: 50975
Ion Ratio Lower Upper
70 100
42 39.9 41.4 62.0#
101 0.0 8.2 12.4#
130 2.1 18.6 28.0#

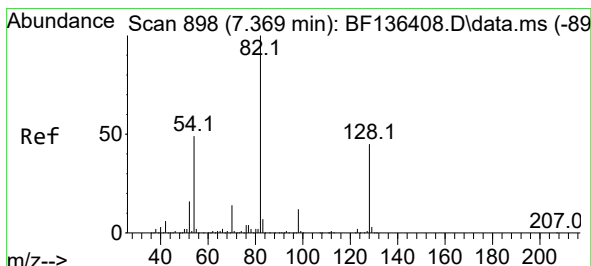
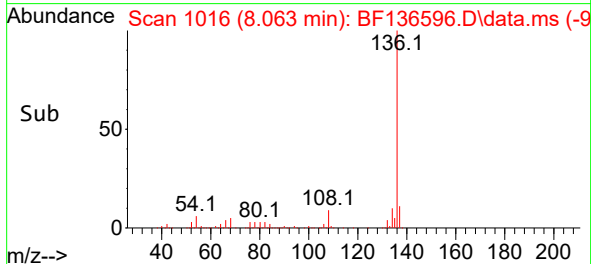
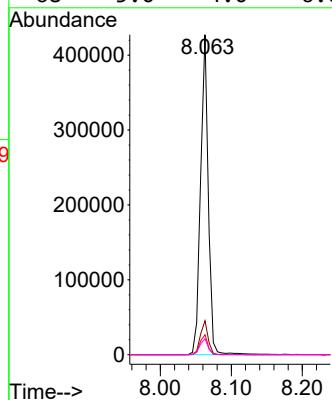
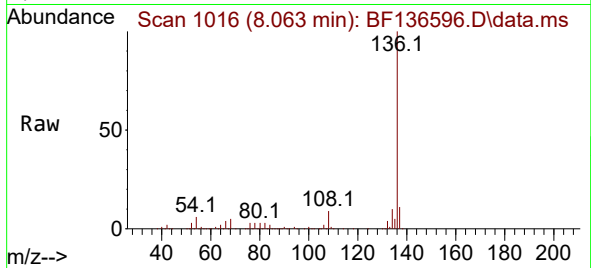




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

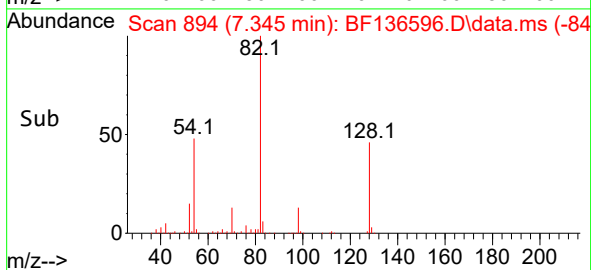
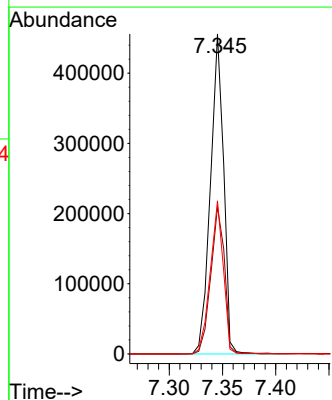
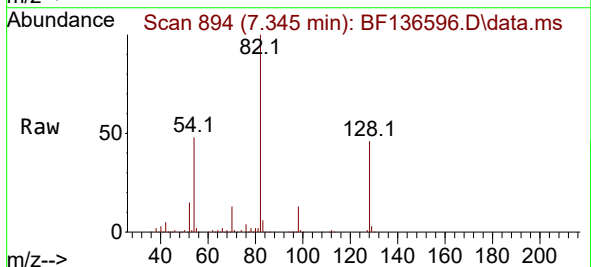
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2

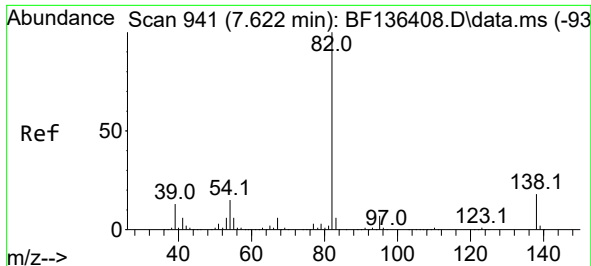
Tgt Ion:136	Resp: 324125
Ion Ratio	Lower Upper
136	100
137	10.6 8.6 12.8
54	6.2 5.7 8.5
68	5.0 4.0 6.0



#23
Nitrobenzene-d5
Concen: 65.884 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

Tgt Ion: 82	Resp: 395016
Ion Ratio	Lower Upper
82	100
128	46.0 36.3 54.5
54	47.9 39.0 58.6

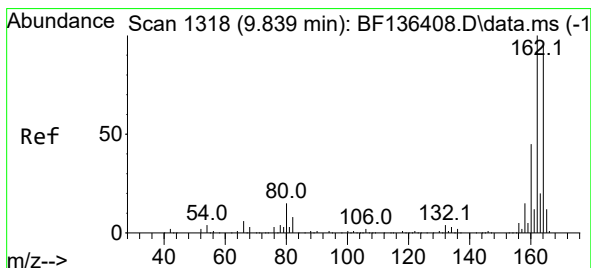
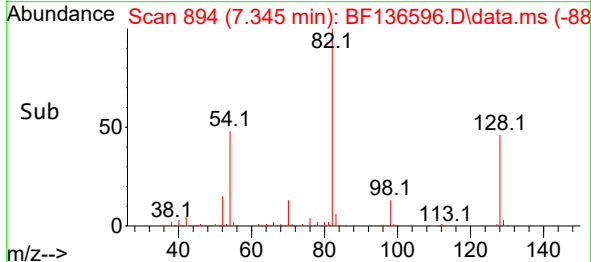
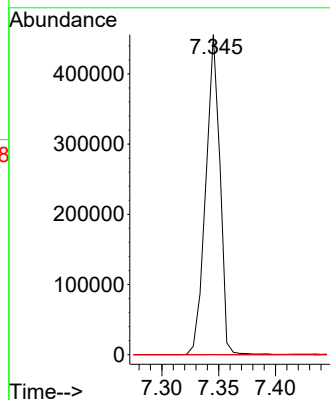
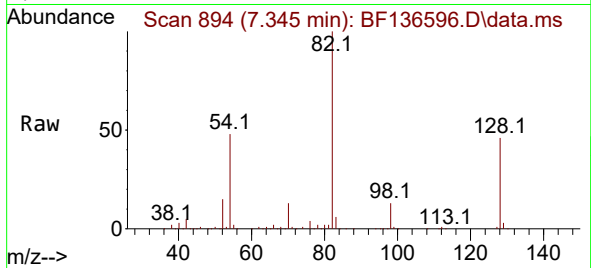




#25
Isophorone
Concen: 36.671 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

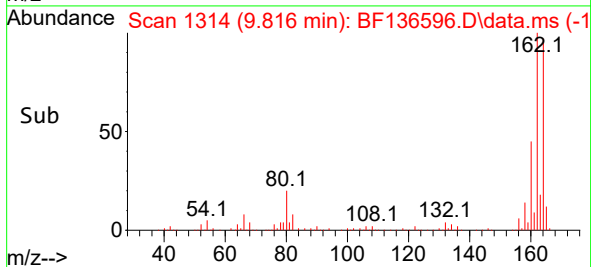
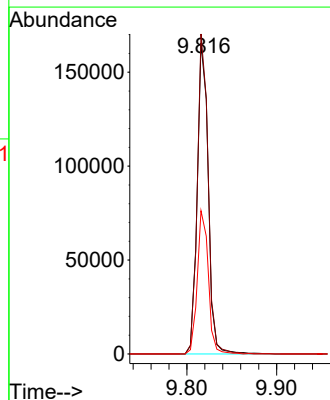
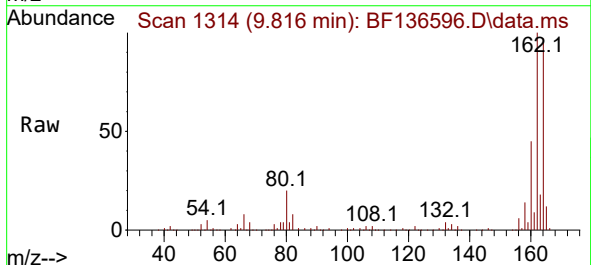
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2

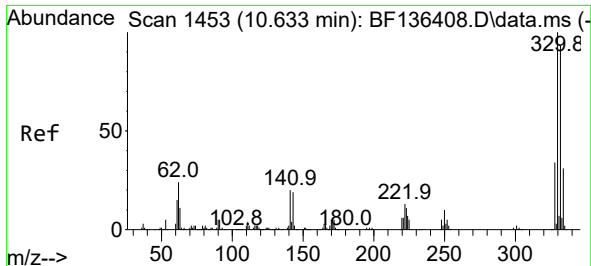
Tgt Ion: 82 Resp: 395012
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

Tgt Ion:164 Resp: 141276
Ion Ratio Lower Upper
164 100
162 102.9 84.4 126.6
160 46.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 85.255 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136596.D

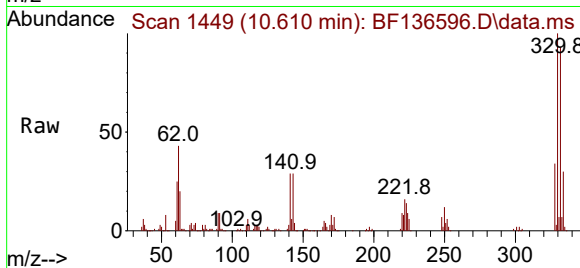
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Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2



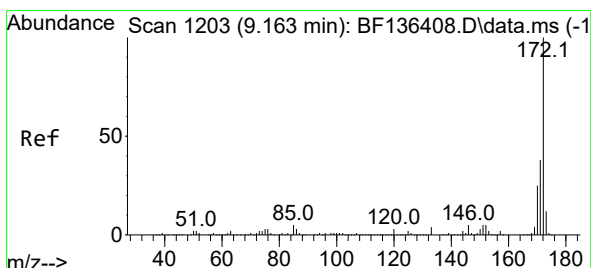
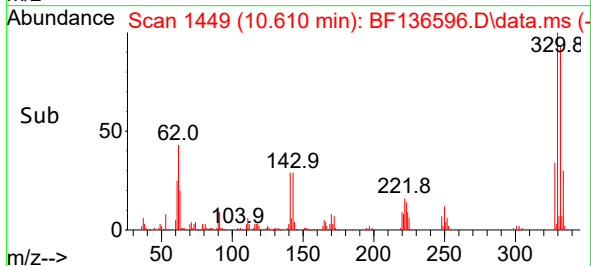
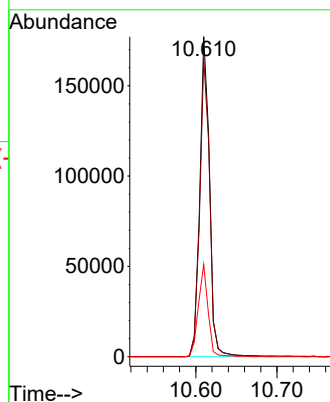
Tgt Ion:330 Resp: 148510

Ion Ratio Lower Upper

330 100

332 95.0 76.4 114.6

141 28.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.704 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

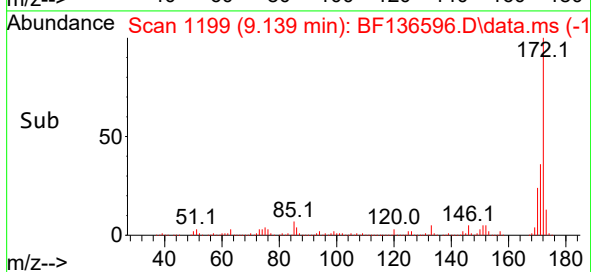
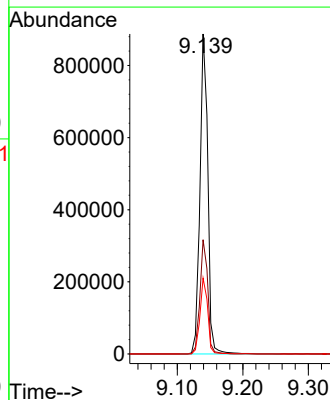
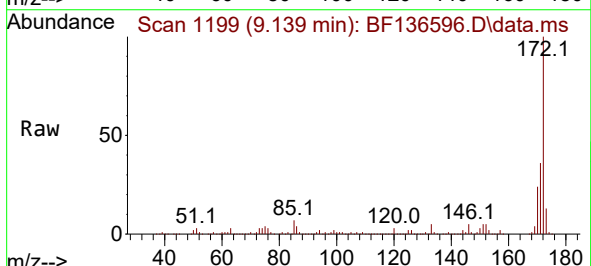
Tgt Ion:172 Resp: 742402

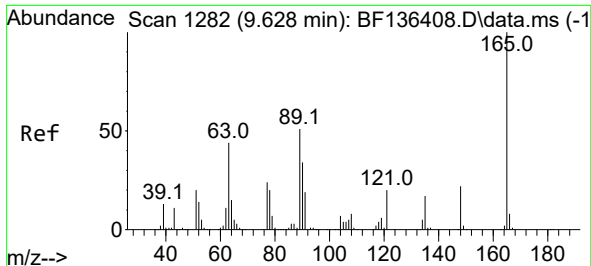
Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

170 23.7 19.9 29.9

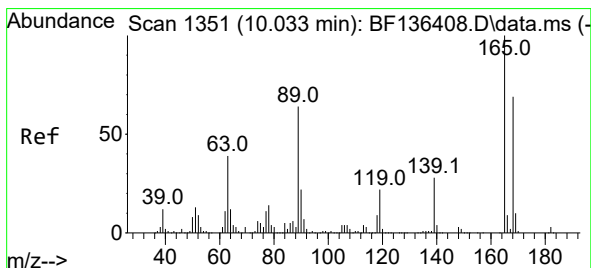
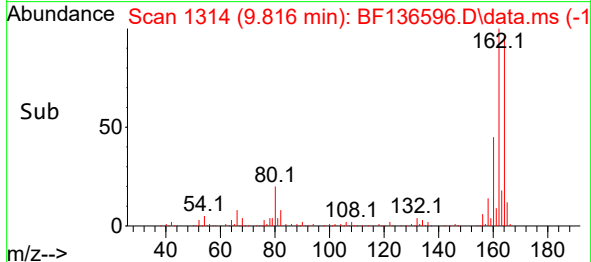
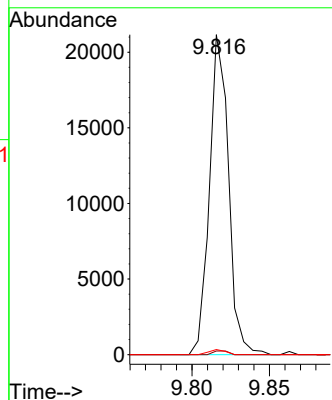
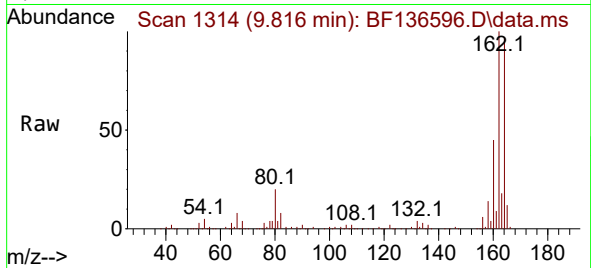




#51
2,6-Dinitrotoluene
Concen: 7.734 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

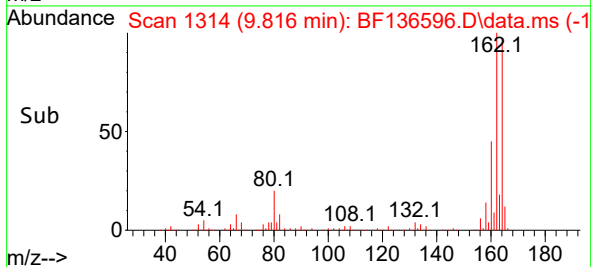
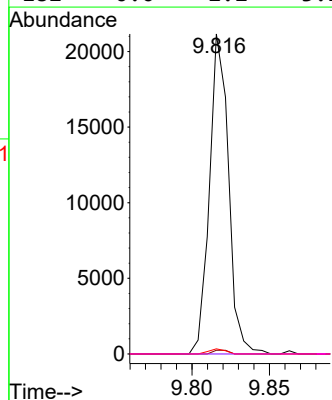
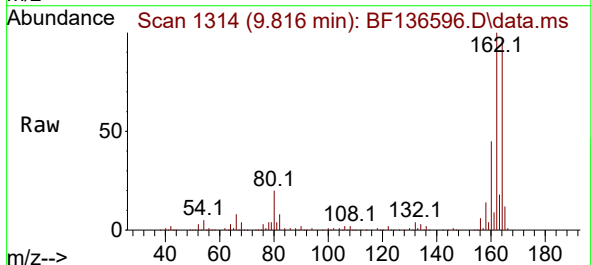
Instrument :
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14TH-SOIL-2

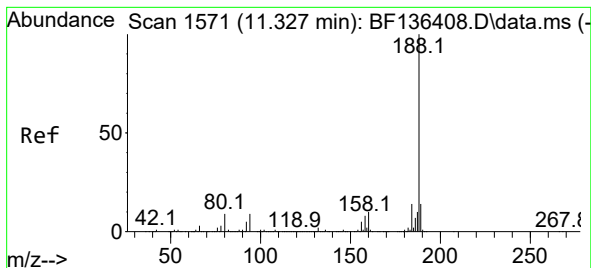
Tgt Ion:165 Resp: 18098
Ion Ratio Lower Upper
165 100
63 1.2 40.4 60.6#
89 1.6 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 5.847 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

Tgt Ion:165 Resp: 18098
Ion Ratio Lower Upper
165 100
63 1.2 31.4 47.2#
89 1.6 51.7 77.5#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2

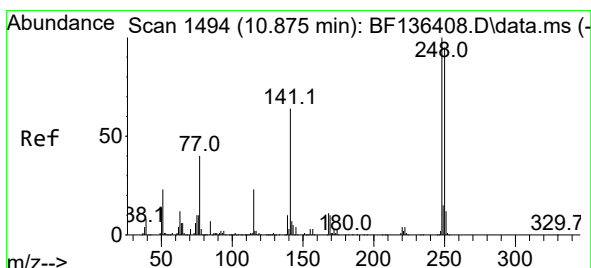
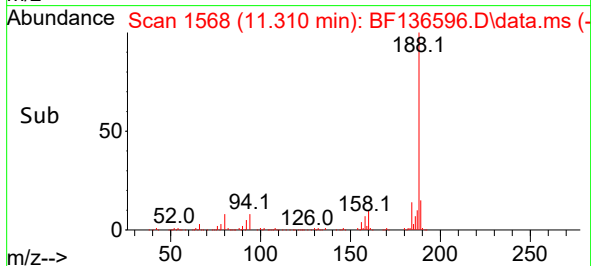
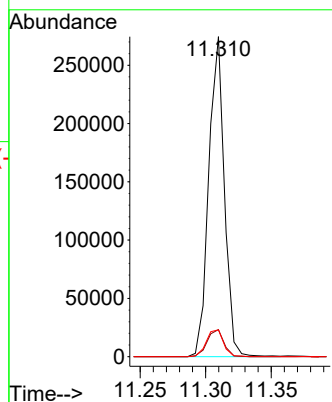
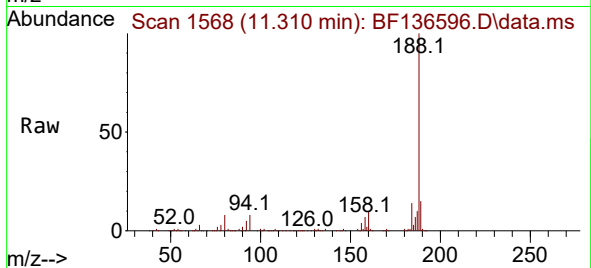
Tgt Ion:188 Resp: 228126

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

80 8.4 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.615 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

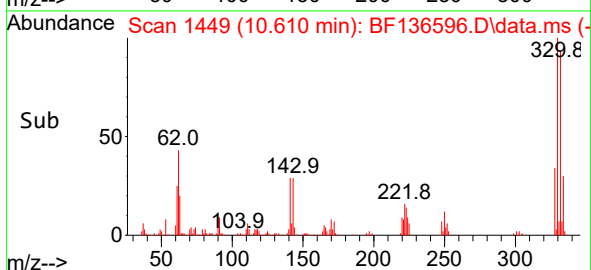
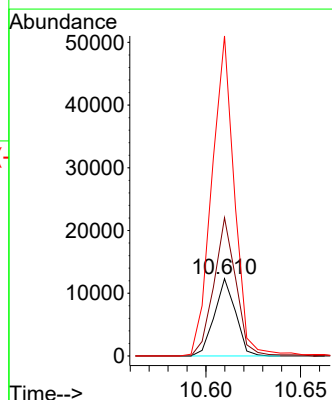
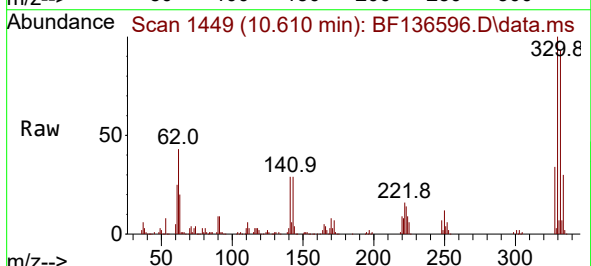
Tgt Ion:248 Resp: 9587

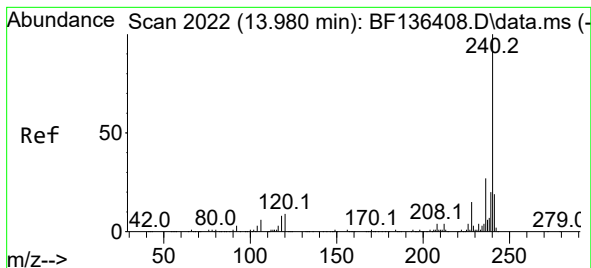
Ion Ratio Lower Upper

248 100

250 178.7 76.2 114.2#

141 413.8 51.0 76.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2

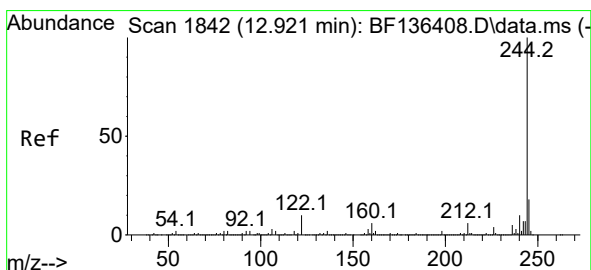
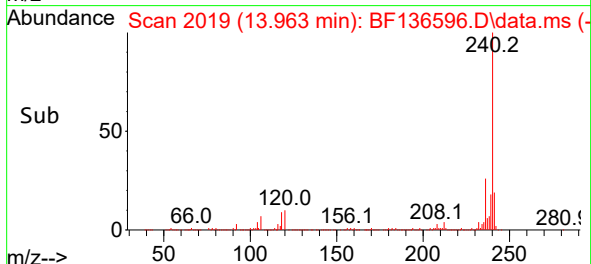
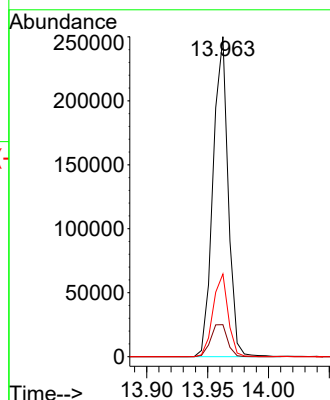
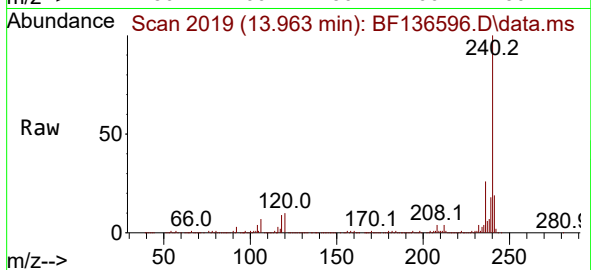
Tgt Ion:240 Resp: 216137

Ion Ratio Lower Upper

240 100

120 10.0 7.3 10.9

236 25.9 21.3 31.9



#79

Terphenyl-d14

Concen: 44.324 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

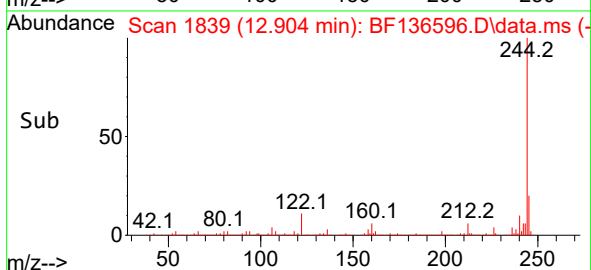
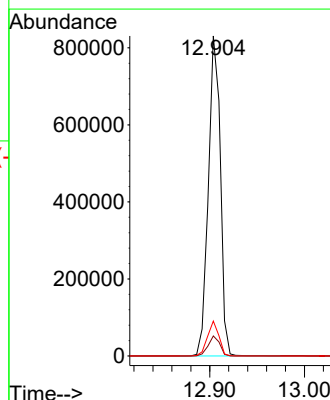
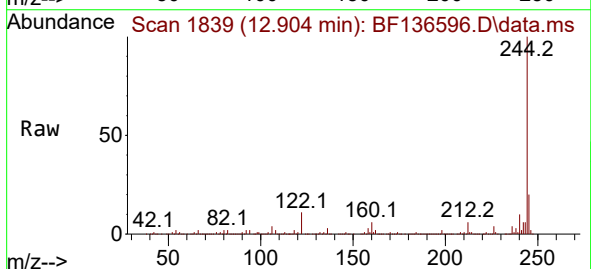
Tgt Ion:244 Resp: 726843

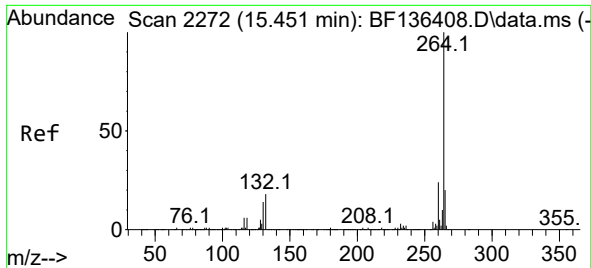
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

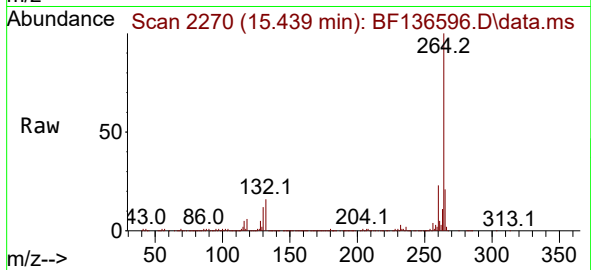
122 10.9 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2



Tgt Ion:264 Resp: 215051
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.1 15.9 23.9

