

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136556.D
 Acq On : 14 Dec 2023 01:00
 Operator : CG\JU
 Sample : 05699-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ELM-N7THSTREET-DRUMS-SOIL

Quant Time: Dec 14 01:48:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

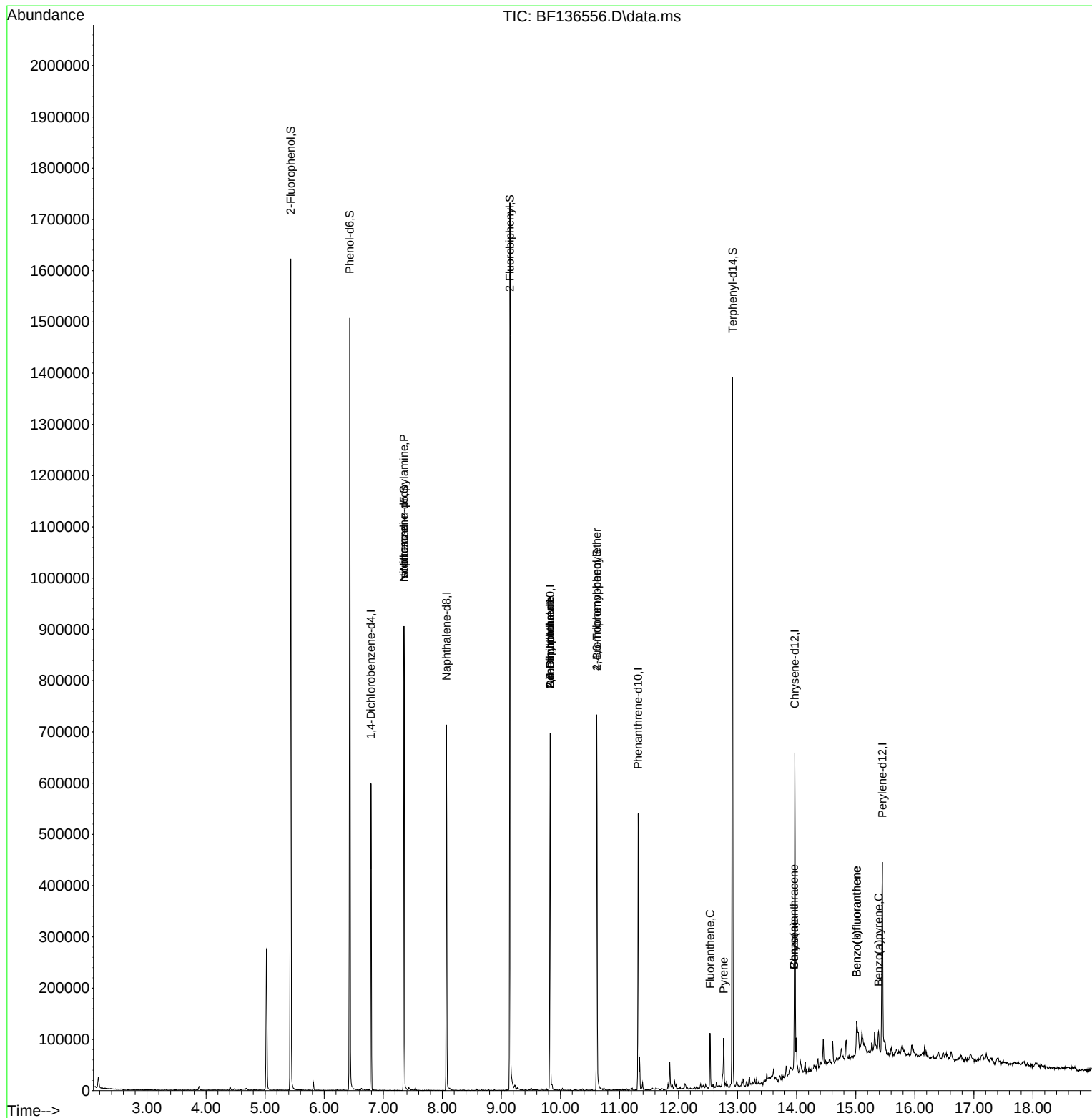
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	82926	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	296143	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	129868	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	195742	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	187257	20.000	ng	-0.01
86) Perylene-d12	15.451	264	175150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	419808	74.763	ng	0.00
7) Phenol-d6	6.434	99	486870	69.496	ng	-0.01
23) Nitrobenzene-d5	7.351	82	288408	52.648	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	95300	59.515	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	542424	56.992	ng	-0.02
79) Terphenyl-d14	12.915	244	502505	35.370	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	741	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	37304	9.231	ng	# 78
25) Isophorone	7.351	82	288402	29.304	ng	# 65
50) Dimethylphthalate	9.827	163	26150	2.735	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	16738	7.781	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	16738	5.882	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	5733	2.519	ng	# 1
75) Fluoranthene	12.533	202	39998	3.548	ng	98
77) Benzidine	12.915	184	5816	Below Cal		98
78) Pyrene	12.763	202	38873	2.120	ng	97
81) Benzo(a)anthracene	13.957	228	27484	2.107	ng	95
83) Chrysene	13.957	228	27484	2.142	ng	98
88) Benzo(b)fluoranthene	15.015	252	42281	3.531	ng	93
89) Benzo(k)fluoranthene	15.015	252	42281	3.746	ng	93
90) Benzo(a)pyrene	15.386	252	21200	2.144	ng	93

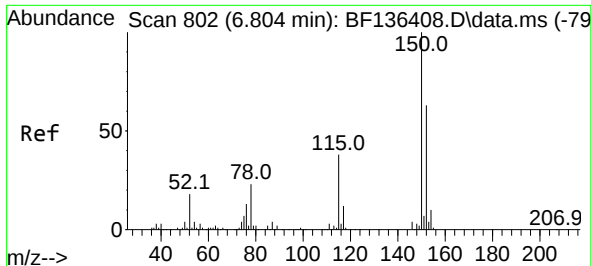
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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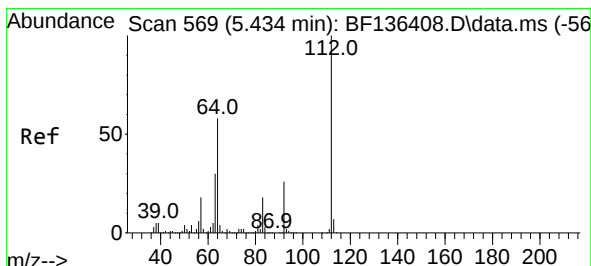
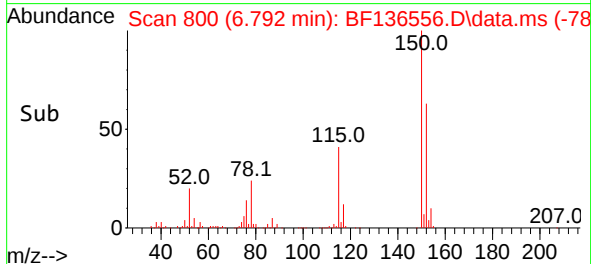
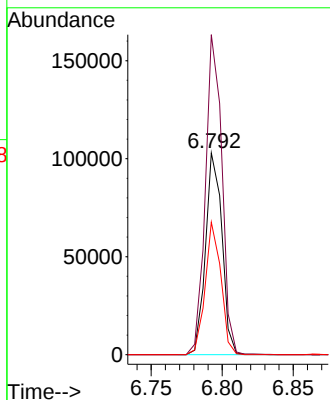
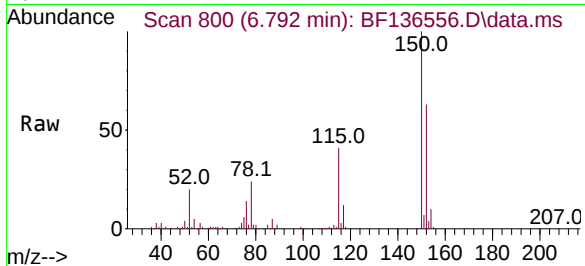




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

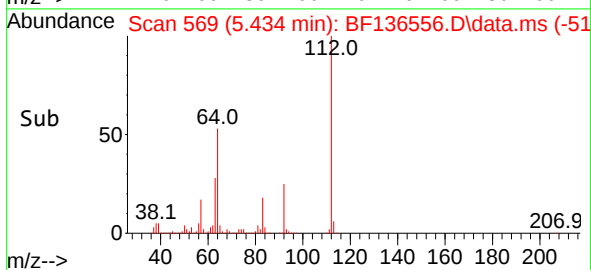
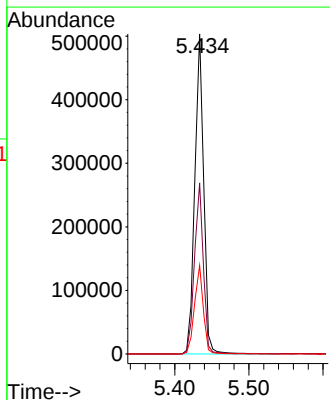
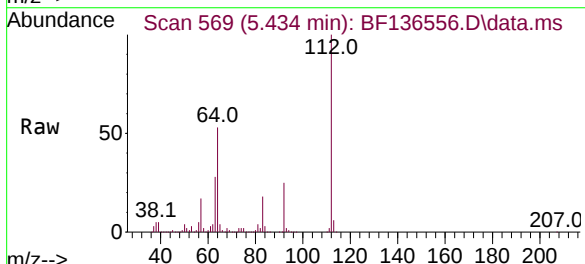
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BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

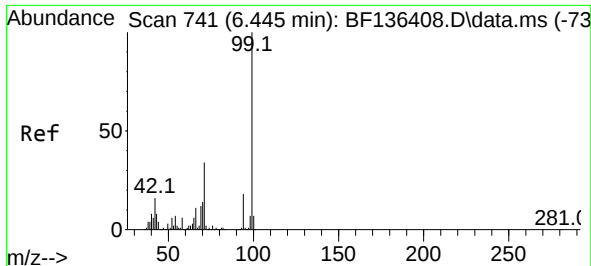
Tgt Ion:152 Resp: 82926
Ion Ratio Lower Upper
152 100
150 158.6 126.4 189.6
115 65.7 48.2 72.4



#5
2-Fluorophenol
Concen: 74.763 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Tgt Ion:112 Resp: 419808
Ion Ratio Lower Upper
112 100
64 53.4 46.5 69.7
63 27.7 23.9 35.9

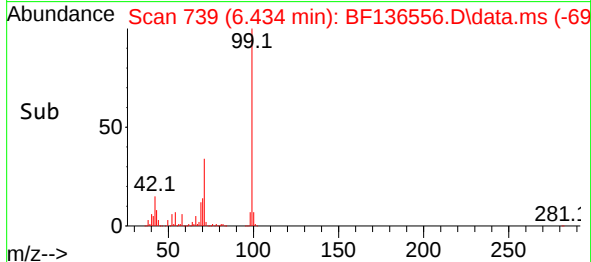
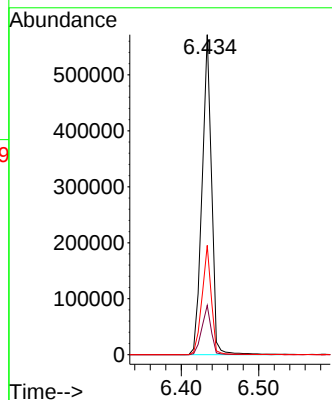
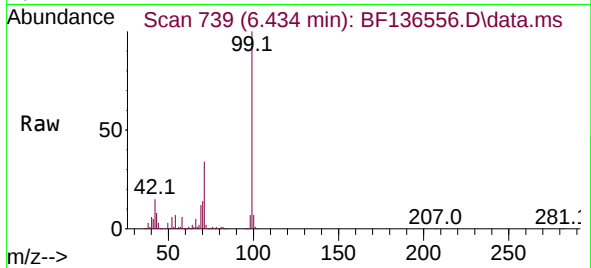




#7
Phenol-d6
Concen: 69.496 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

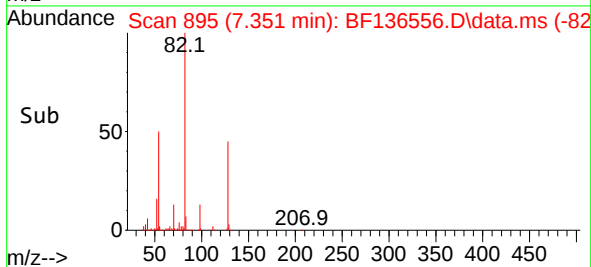
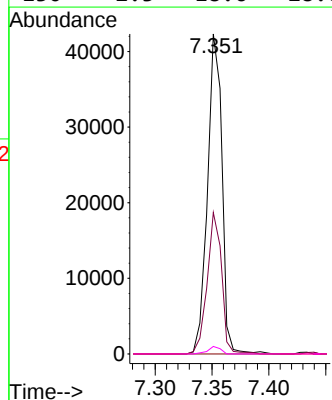
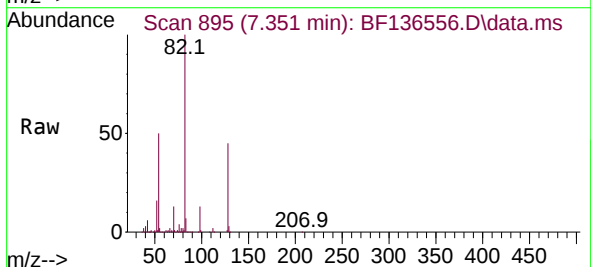
Instrument :
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ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

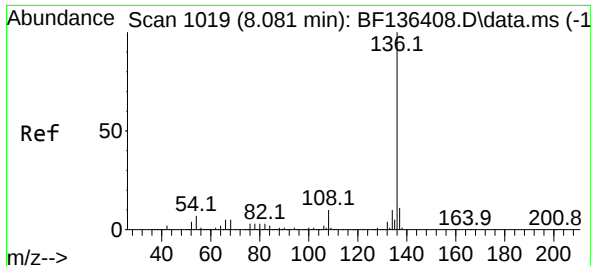
Tgt Ion: 99 Resp: 486870
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 34.1 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.231 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Tgt Ion: 70 Resp: 37304
Ion Ratio Lower Upper
70 100
42 44.2 41.4 62.0
101 0.0 8.2 12.4#
130 2.3 18.6 28.0#

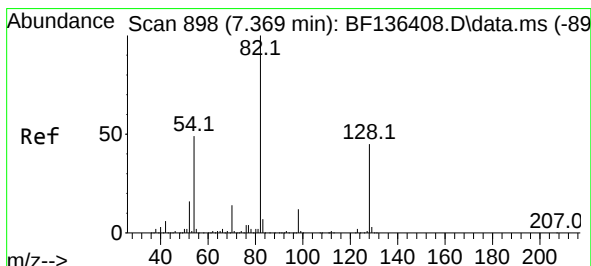
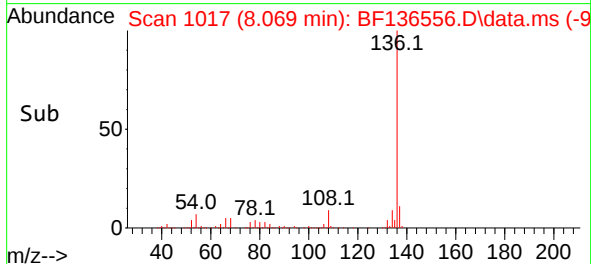
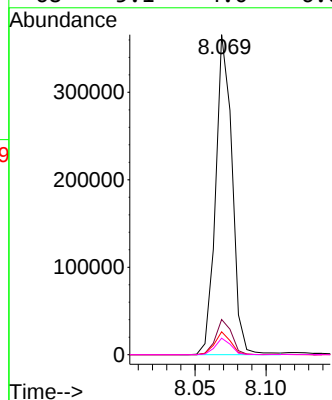
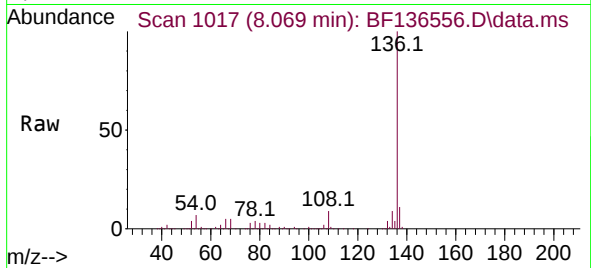




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

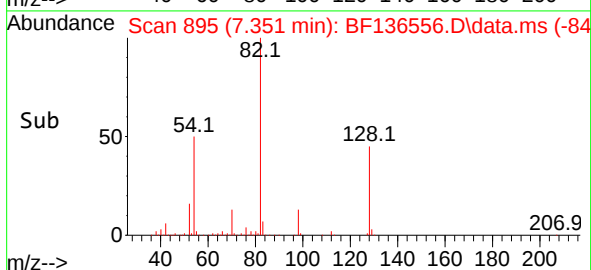
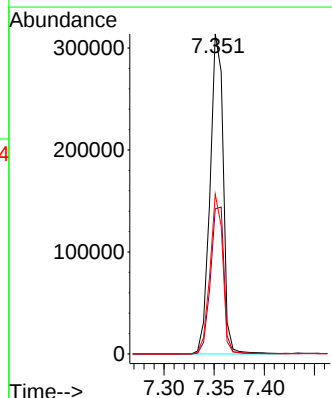
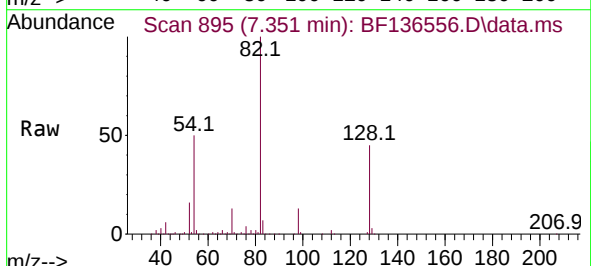
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

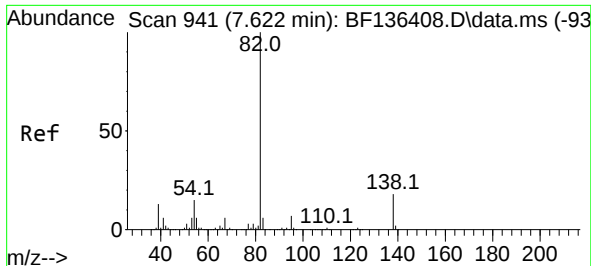
Tgt Ion:	136	Resp:	296143
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.2	5.7	8.5
68	5.1	4.0	6.0



#23
Nitrobenzene-d5
Concen: 52.648 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Tgt Ion:	82	Resp:	288408
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	49.9	39.0	58.6

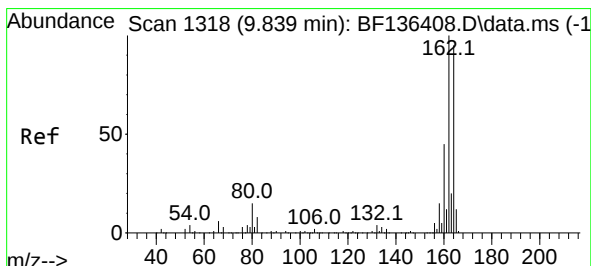
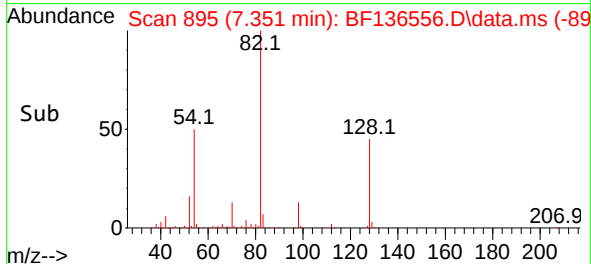
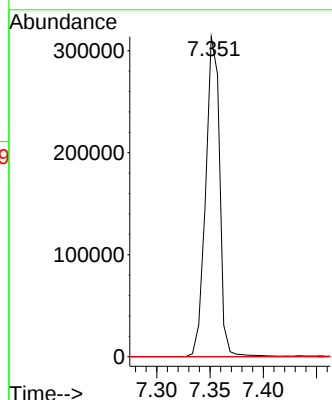
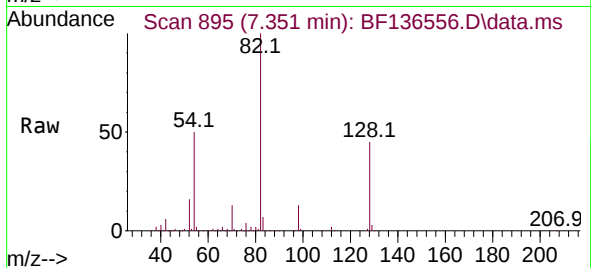




#25
Isophorone
Concen: 29.304 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

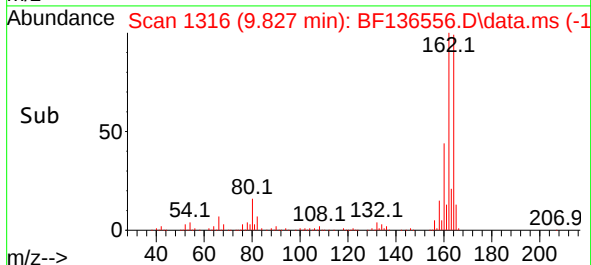
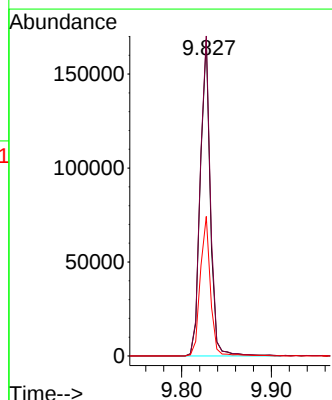
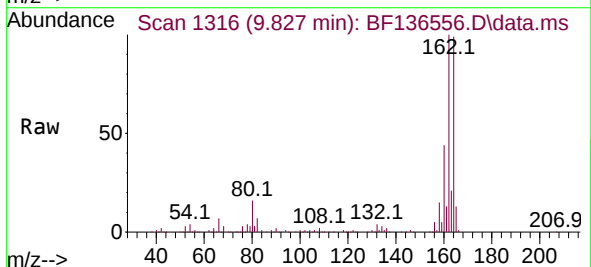
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

Tgt Ion: 82 Resp: 288402
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: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Tgt Ion:164 Resp: 129868
Ion Ratio Lower Upper
164 100
162 101.2 84.4 126.6
160 44.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 59.515 ng

RT: 10.616 min Scan# 1453

Delta R.T. -0.018 min

Lab File: BF136556.D

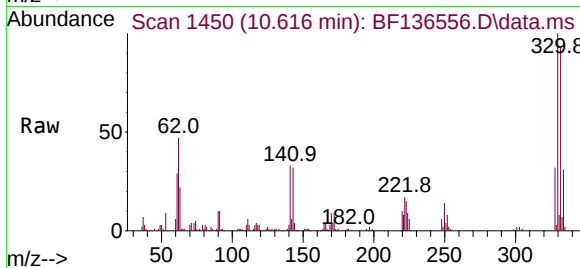
Acq: 14 Dec 2023 01:00

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOIL



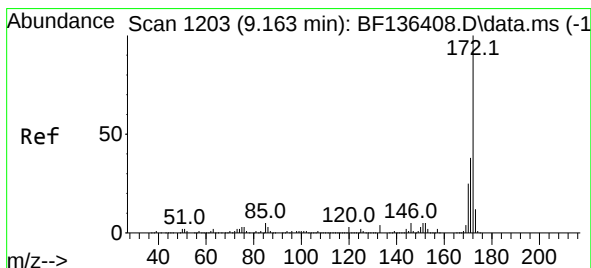
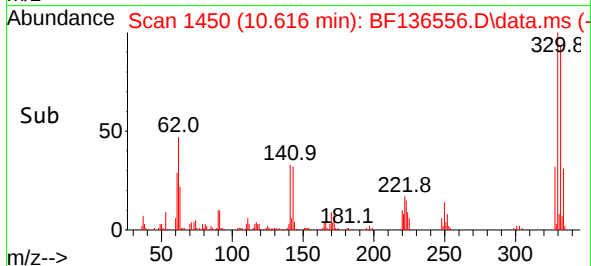
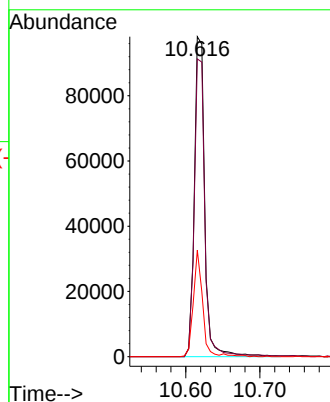
Tgt Ion:330 Resp: 95300

Ion Ratio Lower Upper

330 100

332 94.6 76.4 114.6

141 28.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 56.992 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

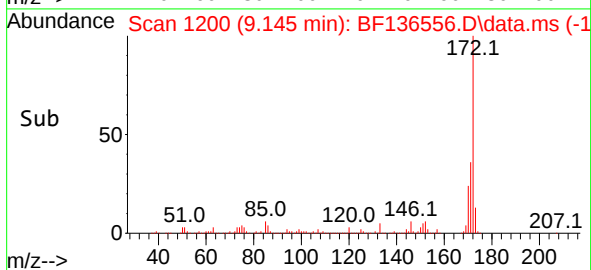
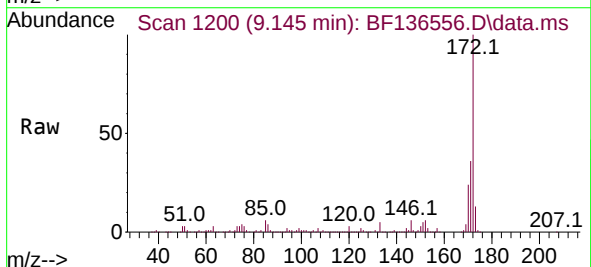
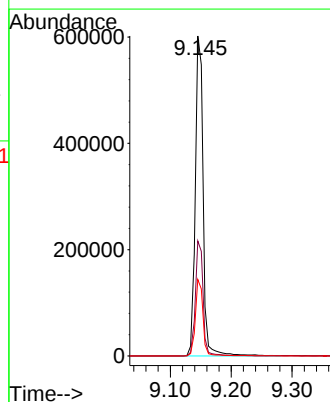
Tgt Ion:172 Resp: 542424

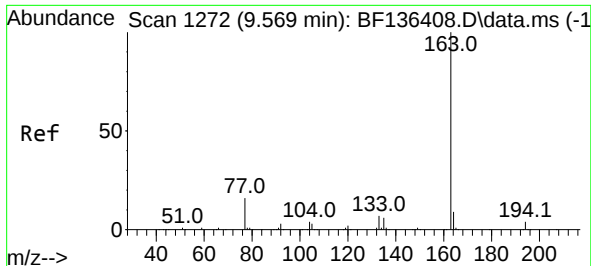
Ion Ratio Lower Upper

172 100

171 36.0 30.5 45.7

170 23.9 19.9 29.9

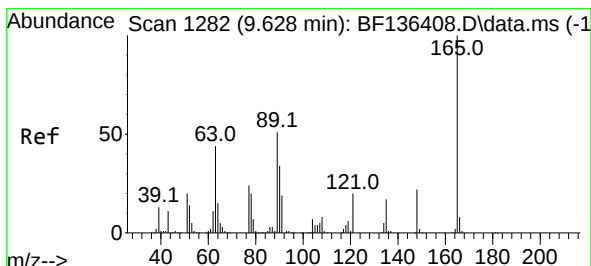
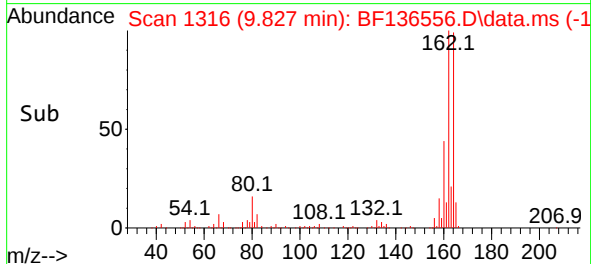
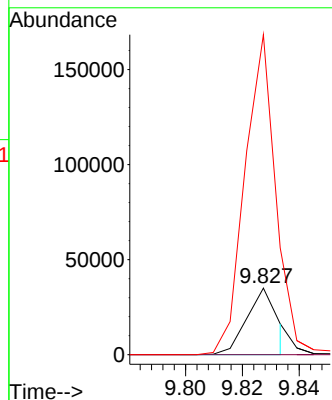
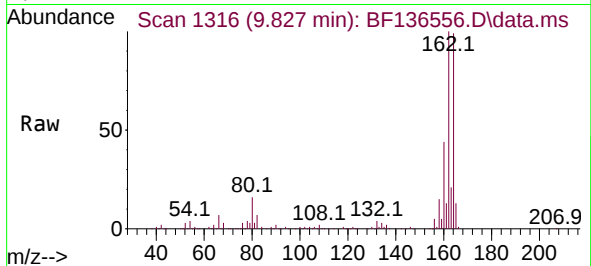




#50
Dimethylphthalate
Concen: 2.735 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

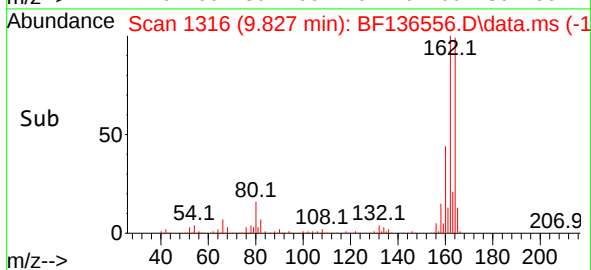
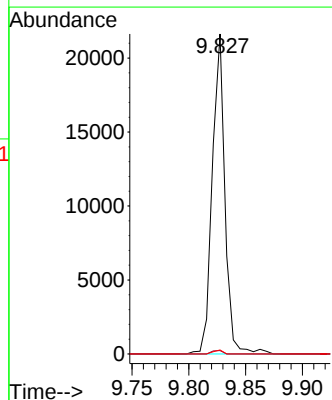
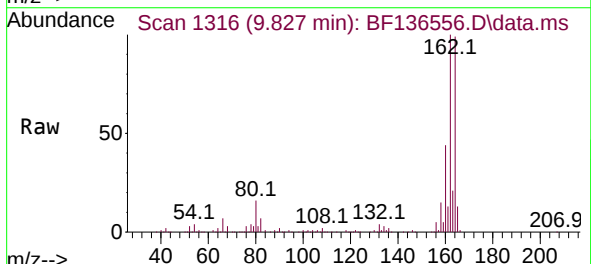
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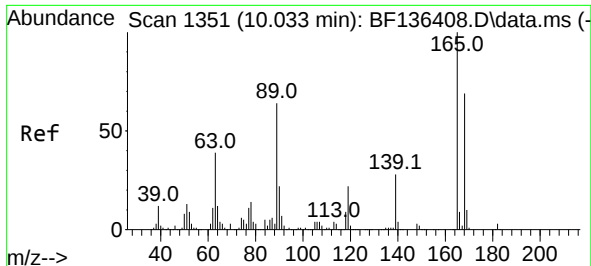
Tgt Ion:163 Resp: 26150
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 480.1 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.781 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

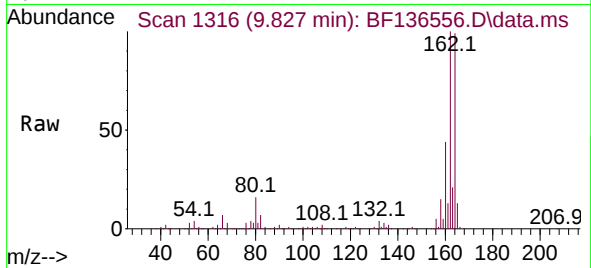
Tgt Ion:165 Resp: 16738
Ion Ratio Lower Upper
165 100
63 1.0 40.4 60.6#
89 1.2 40.6 60.8#



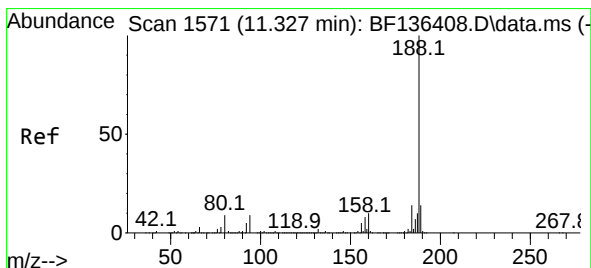
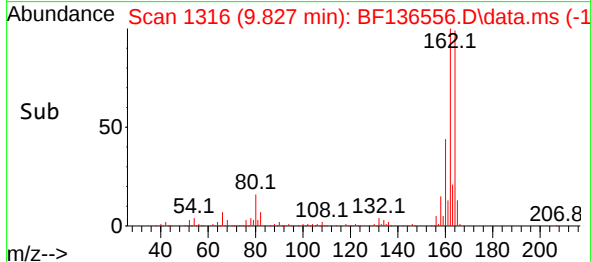
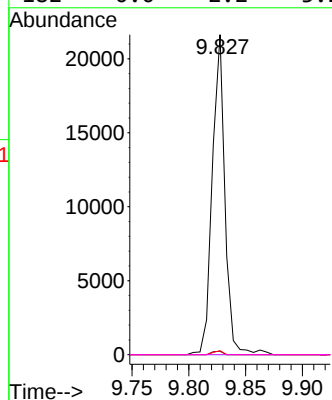


#57
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 9.827 min Scan# 11569
Delta R.T. -0.206 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

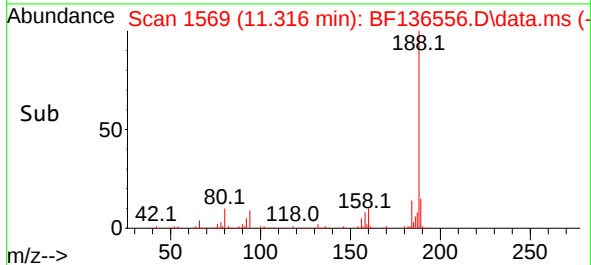
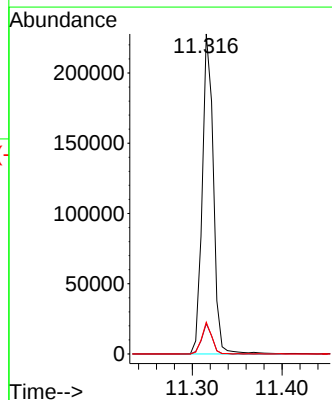
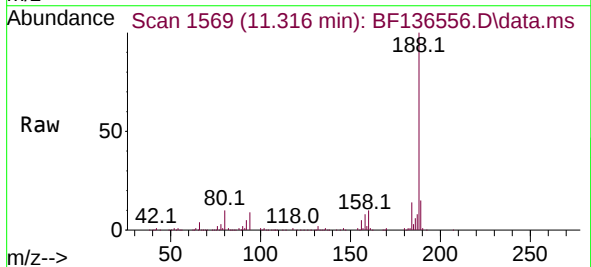


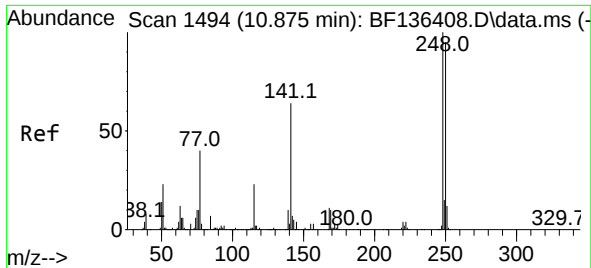
Tgt Ion:165 Resp: 16738
Ion Ratio Lower Upper
165 100
63 1.0 31.4 47.2#
89 1.2 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Tgt Ion:188 Resp: 195742
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.0 7.2 10.8

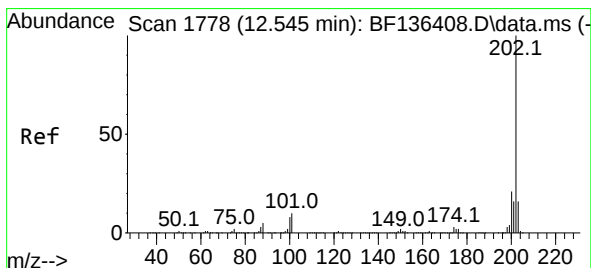
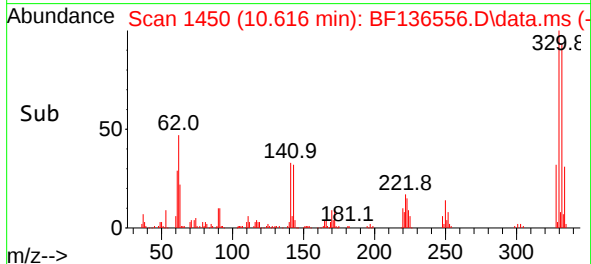
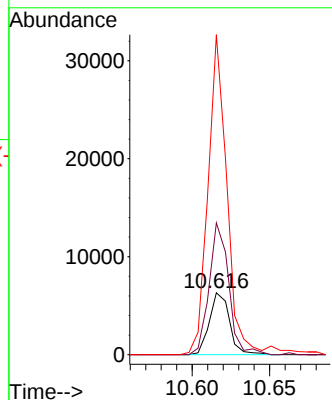
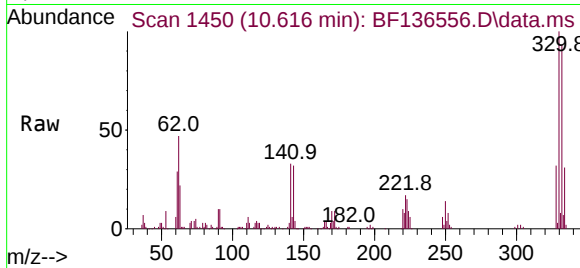




#67
4-Bromophenyl-phenylether
Concen: 2.519 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.259 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

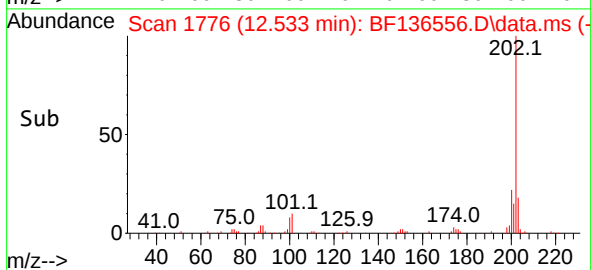
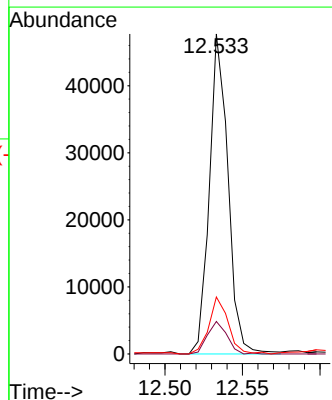
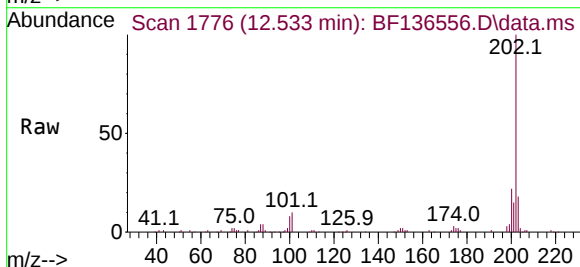
Instrument : BNA_F
ClientSampleId : ELM-N7THSTREET-DRUMS-SOIL

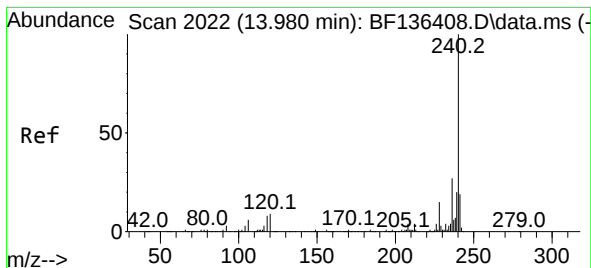
Tgt Ion:248 Resp: 5733
Ion Ratio Lower Upper
248 100
250 212.8 76.2 114.2#
141 516.3 51.0 76.4#



#75
Fluoranthene
Concen: 3.548 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Tgt Ion:202 Resp: 39998
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.9
203 17.8 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOIL

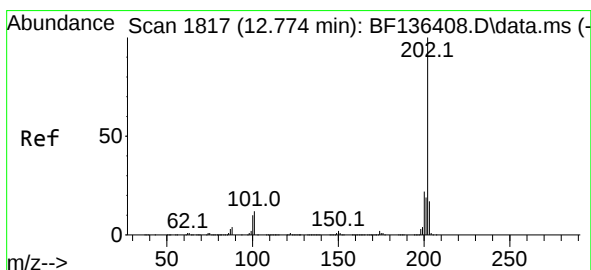
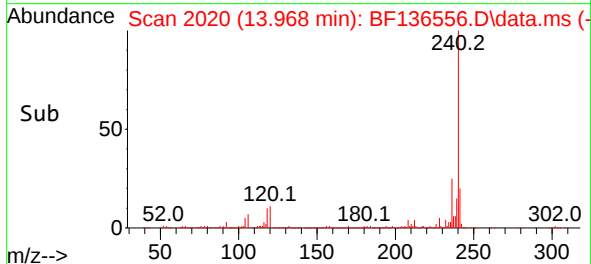
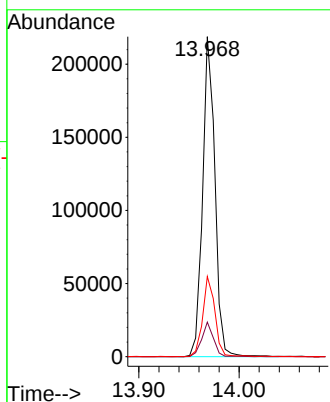
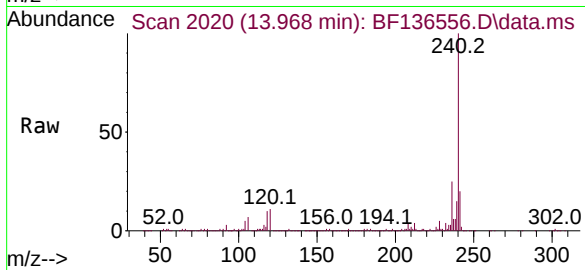
Tgt Ion:240 Resp: 187257

Ion Ratio Lower Upper

240 100

120 10.8 7.3 10.9

236 25.0 21.3 31.9



#78

Pyrene

Concen: 2.120 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

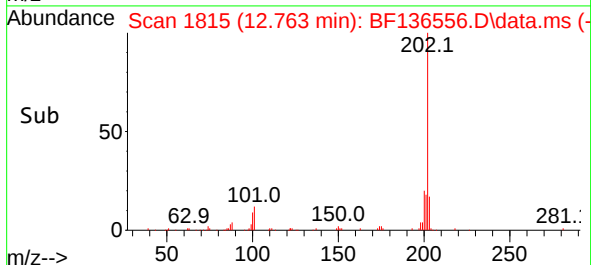
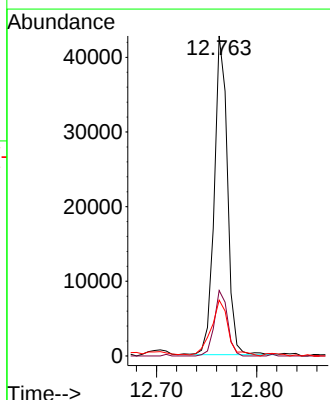
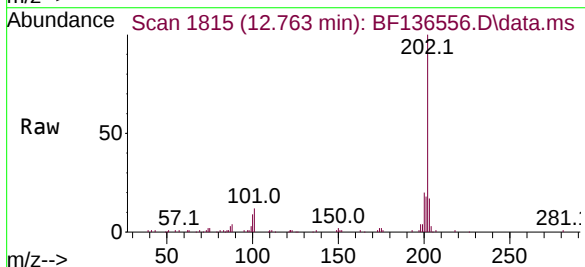
Tgt Ion:202 Resp: 38873

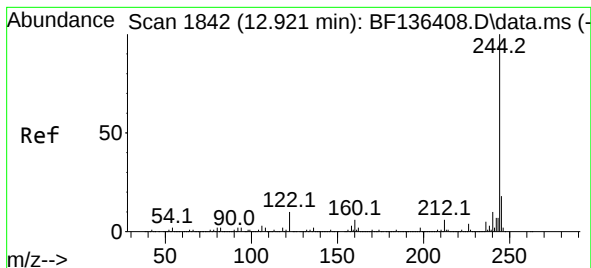
Ion Ratio Lower Upper

202 100

200 20.4 18.0 27.0

203 17.4 13.5 20.3





#79

Terphenyl-d14

Concen: 35.370 ng

RT: 12.915 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136556.D

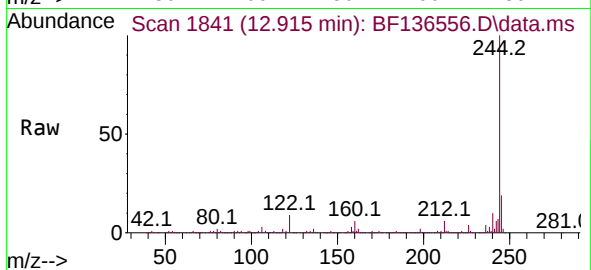
Acq: 14 Dec 2023 01:00

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOIL



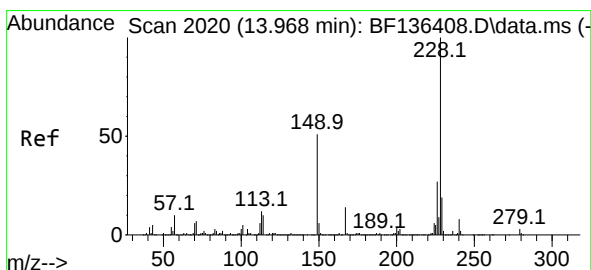
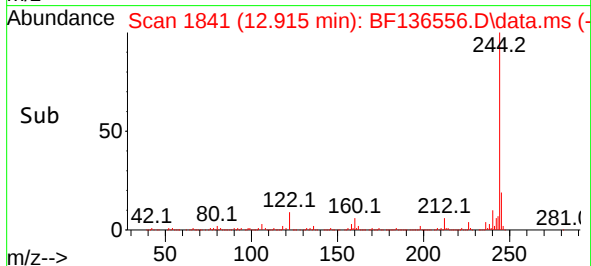
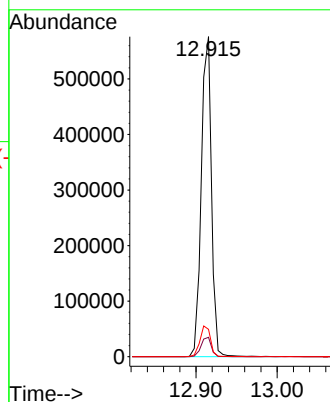
Tgt Ion:244 Resp: 502505

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 8.6 8.3 12.5



#81

Benzo(a)anthracene

Concen: 2.107 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

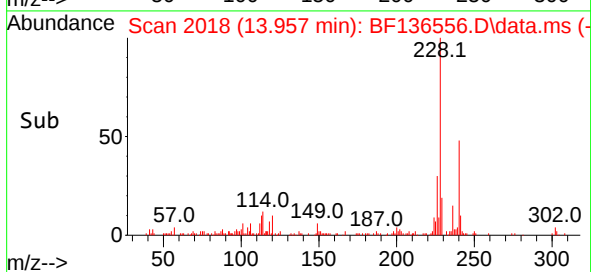
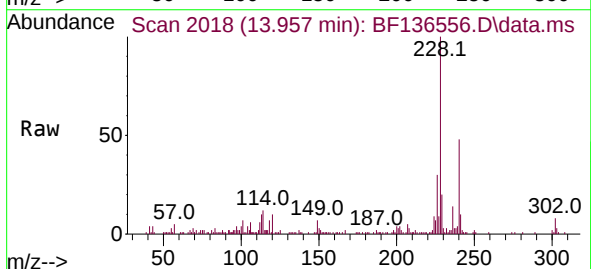
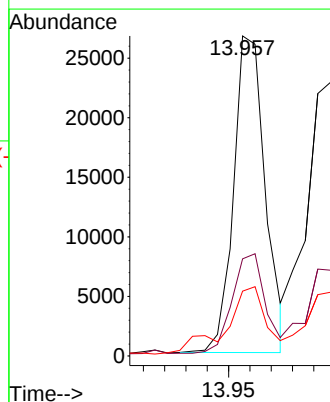
Tgt Ion:228 Resp: 27484

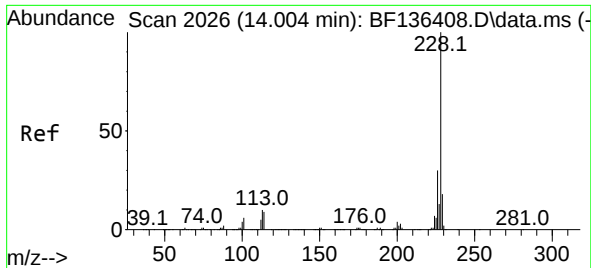
Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.8

229 20.3 15.0 22.4

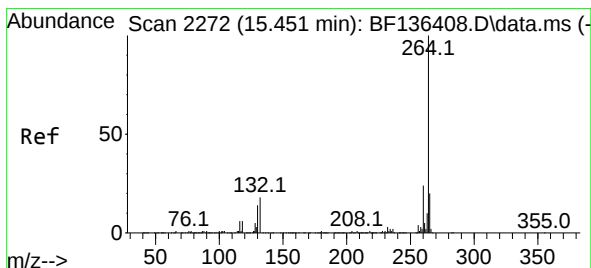
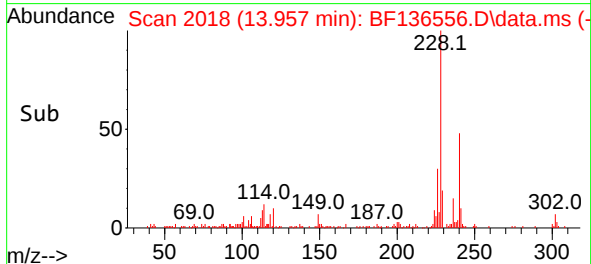
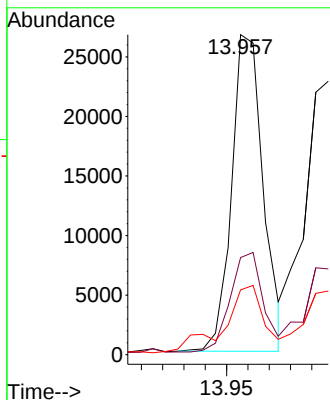
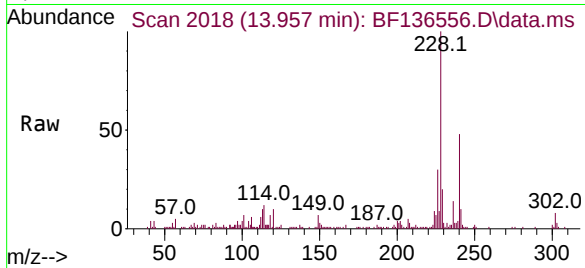




#83
Chrysene
Concen: 2.142 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.047 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

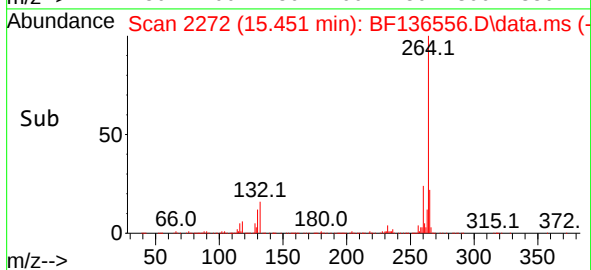
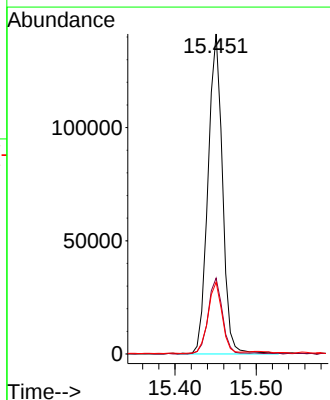
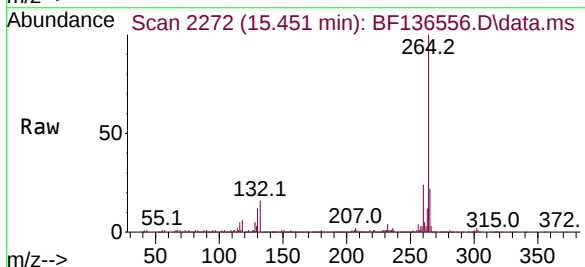
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

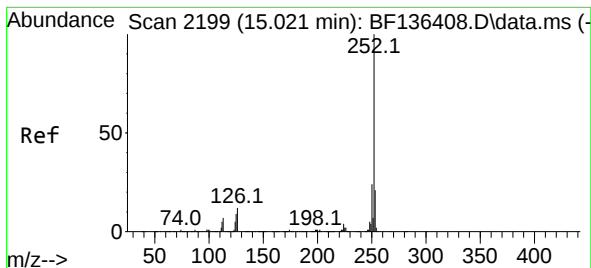
Tgt Ion:	228	Resp:	27484
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.8	35.6
229	20.3	14.8	22.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF136556.D
Acq: 14 Dec 2023 01:00

Tgt Ion:	264	Resp:	175150
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	22.4	15.9	23.9





#88

Benzo(b)fluoranthene

Concen: 3.531 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOIL

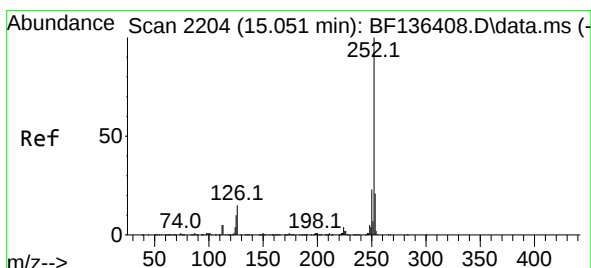
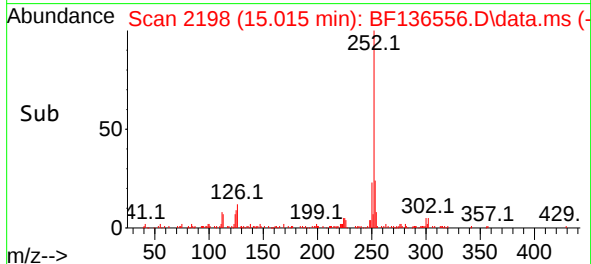
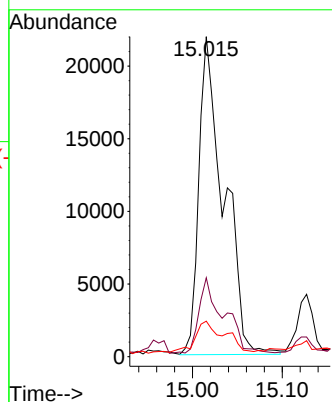
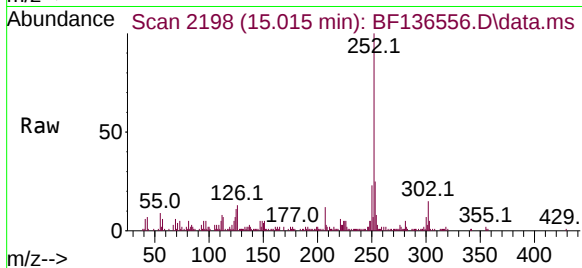
Tgt Ion:252 Resp: 42281

Ion Ratio Lower Upper

252 100

253 24.7 16.9 25.3

125 11.1 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 3.746 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136556.D

Acq: 14 Dec 2023 01:00

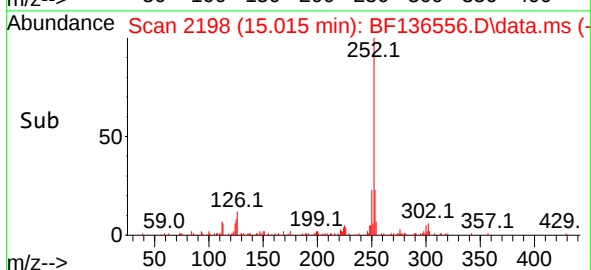
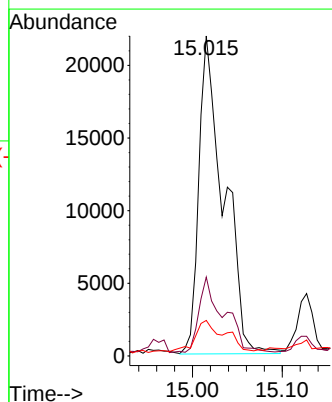
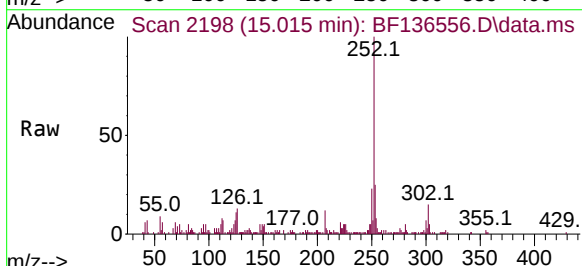
Tgt Ion:252 Resp: 42281

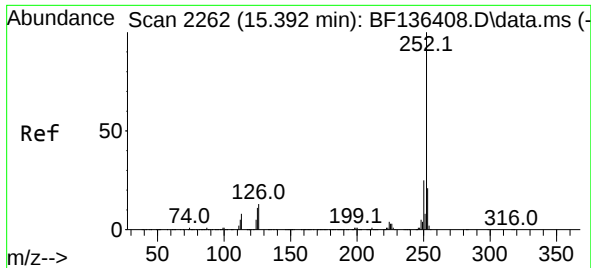
Ion Ratio Lower Upper

252 100

253 24.7 16.9 25.3

125 11.1 7.5 11.3





#90
 Benzo(a)pyrene
 Concen: 2.144 ng
 RT: 15.386 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF136556.D
 Acq: 14 Dec 2023 01:00

Instrument :
 BNA_F
 ClientSampleId :
 ELM-N7THSTREET-DRUMS-SOIL

Tgt Ion:252 Resp: 21200
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.0 25.4
 125 12.8 8.6 13.0

