

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136622.D
 Acq On : 18 Dec 2023 19:10
 Operator : CG\JU
 Sample : 05699-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 19 01:05:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 00:56:37 2023
 Response via : Initial Calibration

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

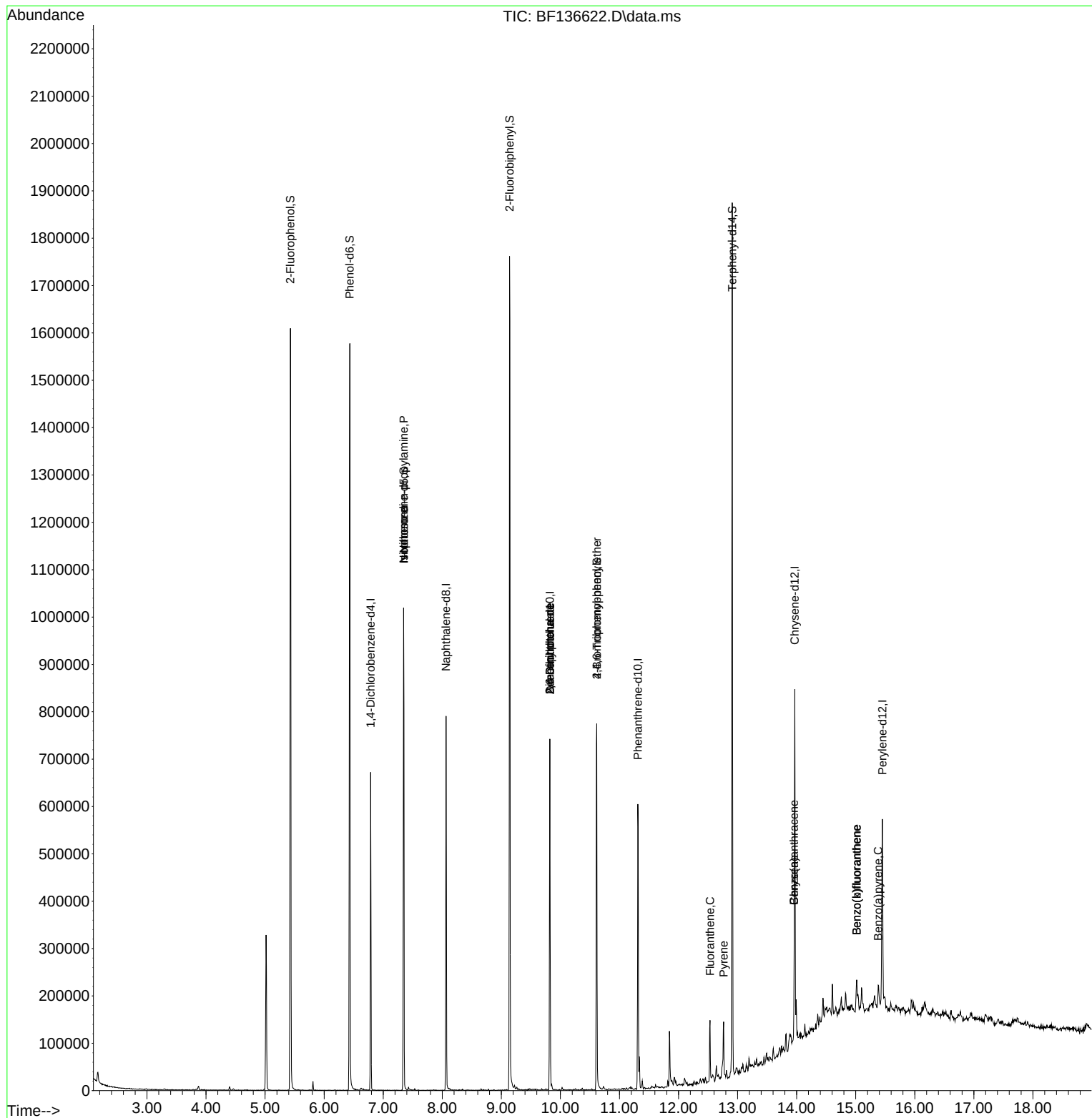
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89349	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	321915	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	140547	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	230800	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	217197	20.000	ng	0.00
86) Perylene-d12	15.451	264	188149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	461791	76.328	ng	0.00
7) Phenol-d6	6.434	99	538936	71.397	ng	-0.01
23) Nitrobenzene-d5	7.345	82	320835	53.879	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	106104	61.227	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	579307	56.242	ng	-0.01
79) Terphenyl-d14	12.910	244	602721	36.576	ng	-0.01
Target Compounds					Qvalue	
9) Benzaldehyde	6.346	77	90	Below Cal	#	40
19) n-Nitroso-di-n-propyla...	7.345	70	39871	9.157	ng	# 75
25) Isophorone	7.345	82	319371	29.853	ng	# 65
50) Dimethylphthalate	9.822	163	26958	2.605	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	17801	7.647	ng	# 29
57) 2,4-Dinitrotoluene	9.822	165	17801	5.780	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	6223	2.319	ng	# 1
75) Fluoranthene	12.533	202	51437	3.869	ng	97
77) Benzidine	12.910	184	7140	Below Cal	#	91
78) Pyrene	12.763	202	47293	2.223	ng	98
81) Benzo(a)anthracene	13.957	228	34815	2.301	ng	96
83) Chrysene	13.957	228	34815	2.339	ng	99
88) Benzo(b)fluoranthene	15.016	252	46570	3.620	ng	# 86
89) Benzo(k)fluoranthene	15.016	252	46570	3.841	ng	# 86
90) Benzo(a)pyrene	15.380	252	21755	2.048	ng	# 89

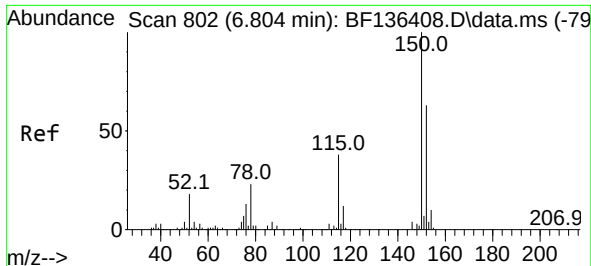
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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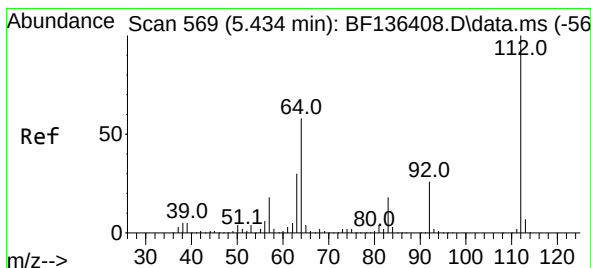
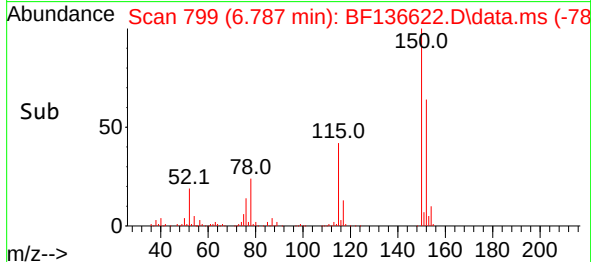
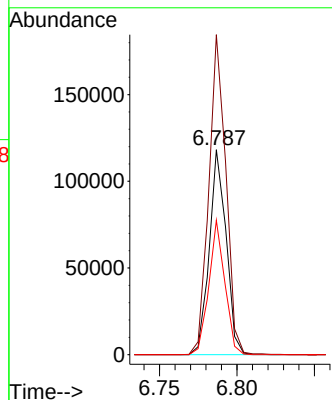
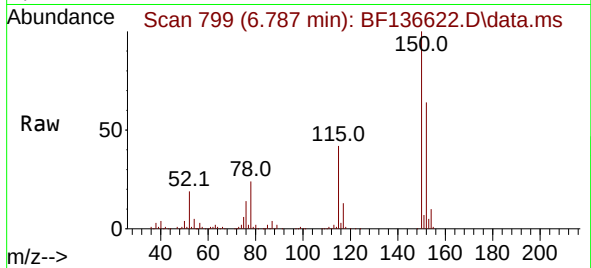




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

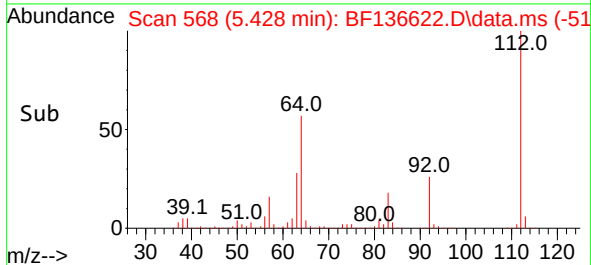
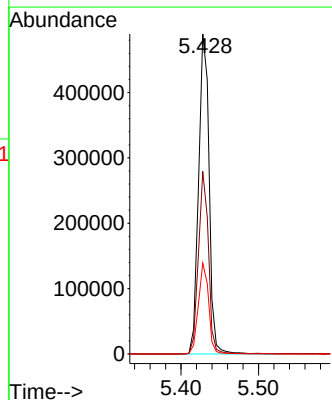
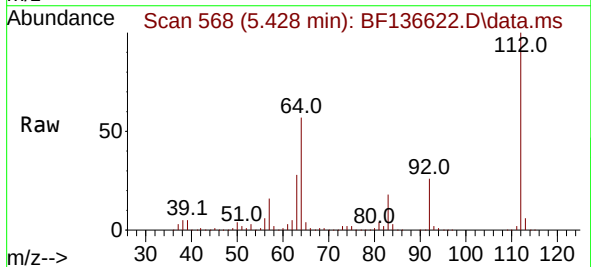
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOILRE

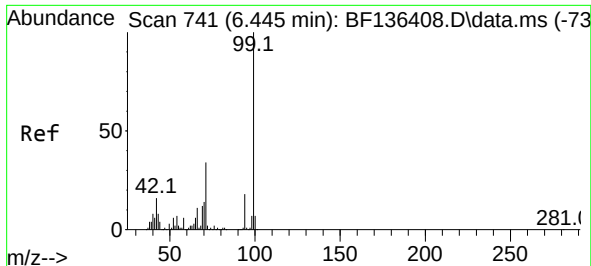
Tgt Ion:152 Resp: 89349
Ion Ratio Lower Upper
152 100
150 156.1 126.4 189.6
115 65.5 48.2 72.4



#5
2-Fluorophenol
Concen: 76.328 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

Tgt Ion:112 Resp: 461791
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 28.4 23.9 35.9

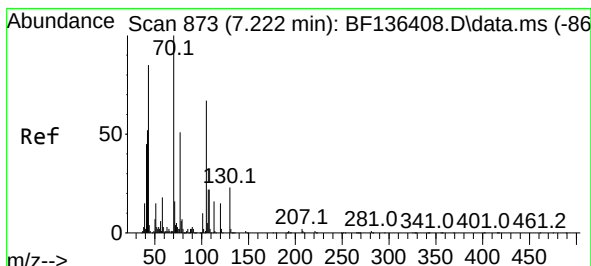
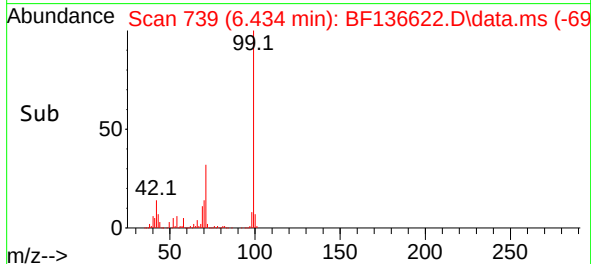
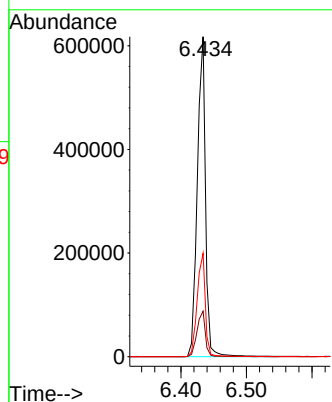
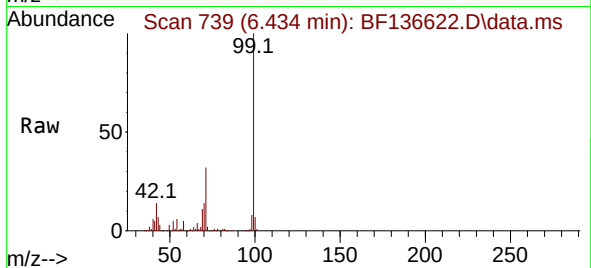




#7
Phenol-d6
Concen: 71.397 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

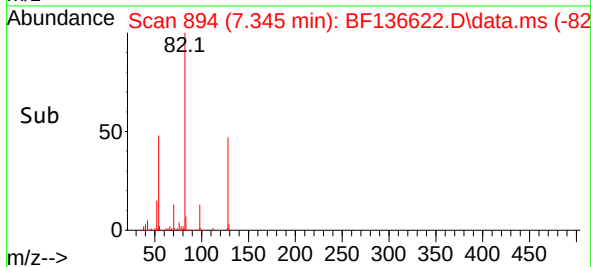
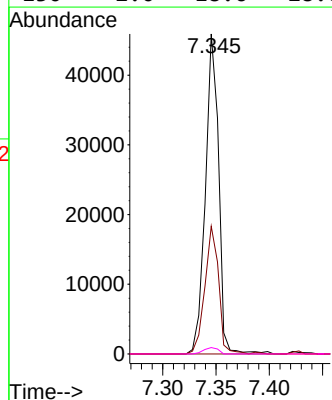
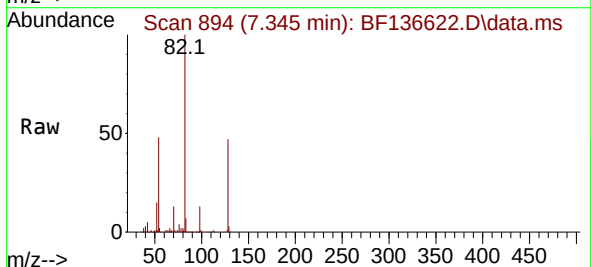
Instrument :
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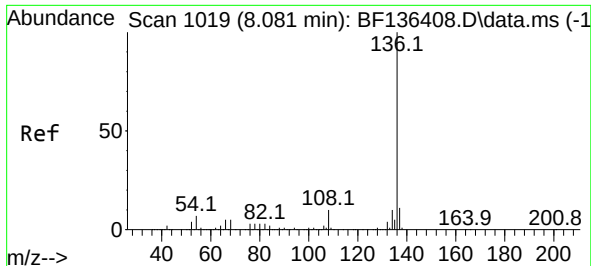
Tgt Ion: 99 Resp: 538936
Ion Ratio Lower Upper
99 100
42 14.2 12.8 19.2
71 32.3 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.157 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

Tgt Ion: 70 Resp: 39871
Ion Ratio Lower Upper
70 100
42 39.9 41.4 62.0#
101 0.0 8.2 12.4#
130 2.0 18.6 28.0#

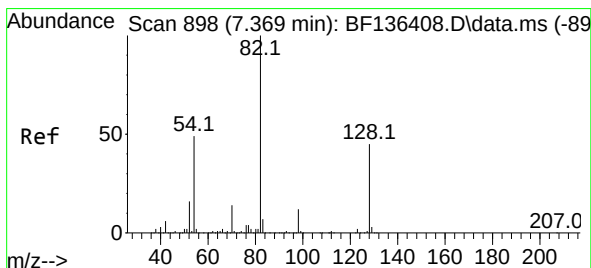
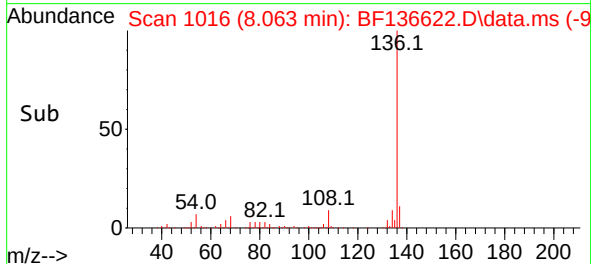
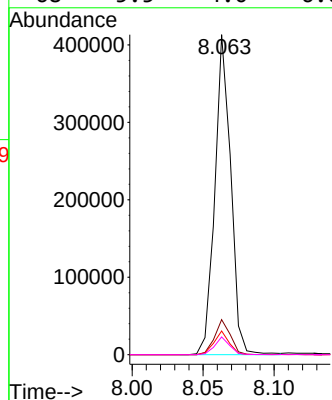
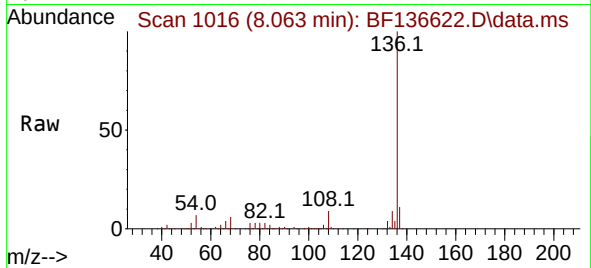




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

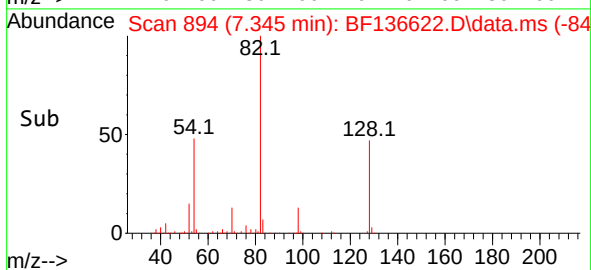
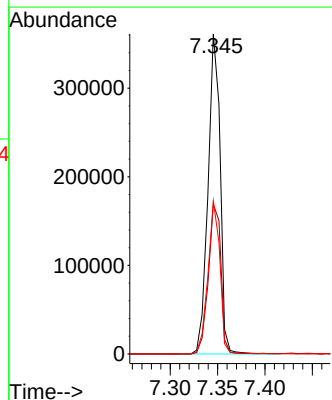
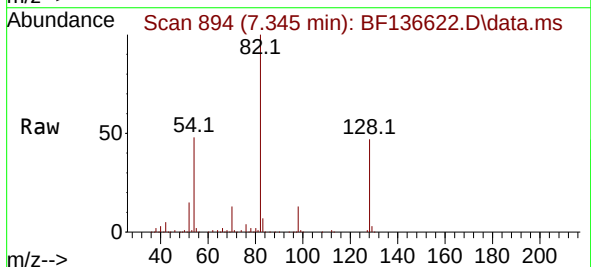
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOILRE

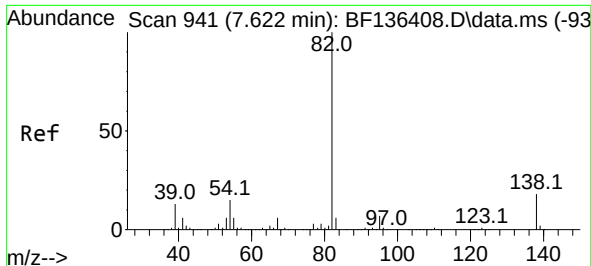
Tgt Ion:136	Resp:	321915	
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.4	5.7	8.5
68	5.5	4.0	6.0



#23
Nitrobenzene-d5
Concen: 53.879 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

Tgt Ion: 82	Resp: 320835
Ion Ratio	Lower Upper
82 100	
128 46.8	36.3 54.5
54 47.9	39.0 58.6

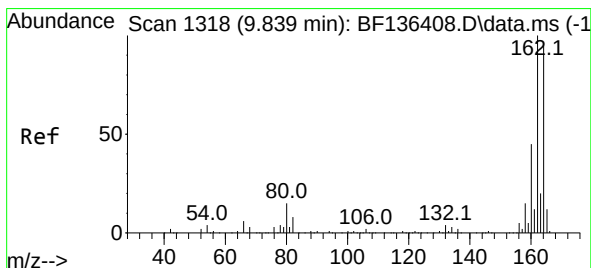
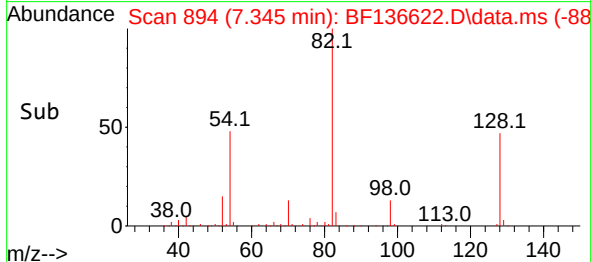
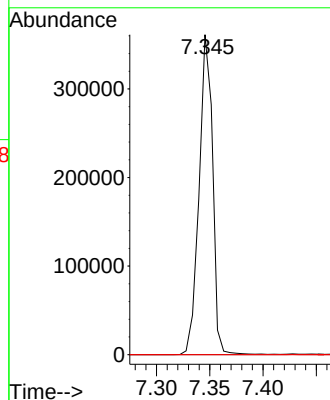
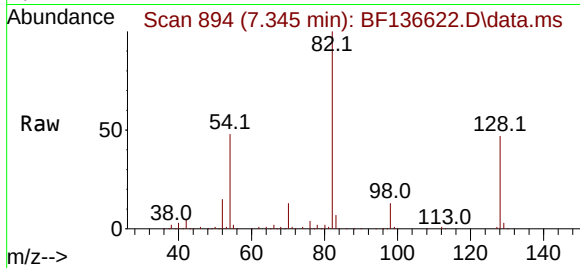




#25
Isophorone
Concen: 29.853 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

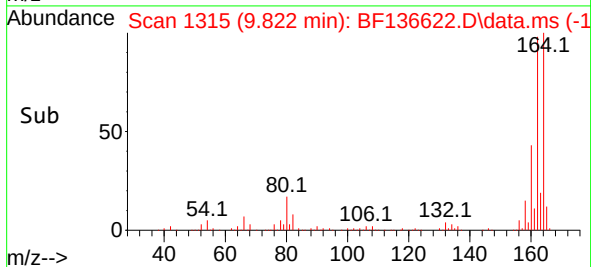
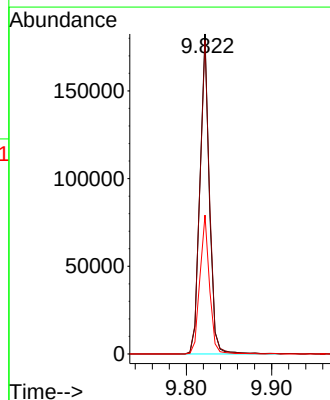
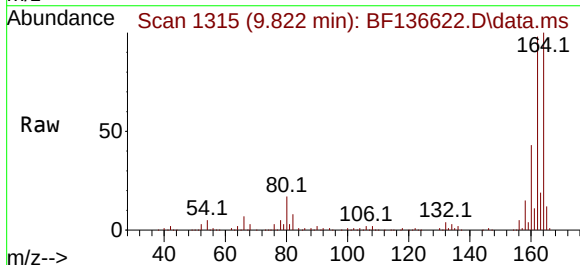
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOILRE

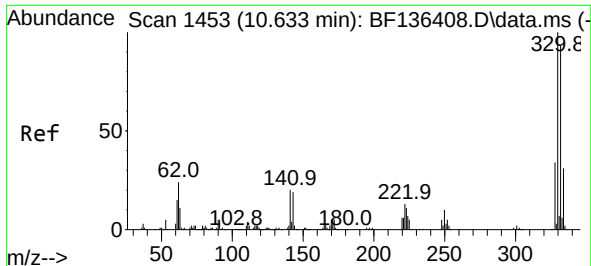
Tgt Ion: 82 Resp: 319371
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

Tgt Ion:164 Resp: 140547
Ion Ratio Lower Upper
164 100
162 98.0 84.4 126.6
160 43.4 37.6 56.4

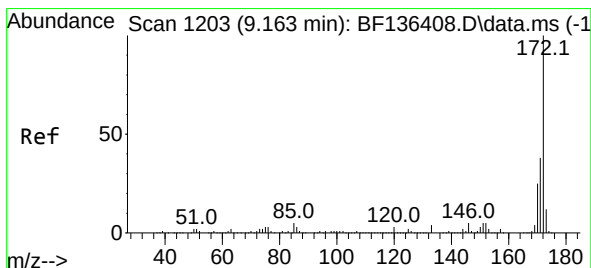
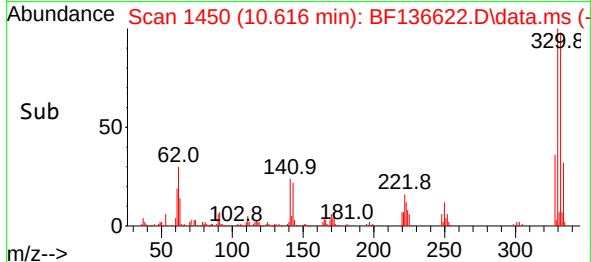
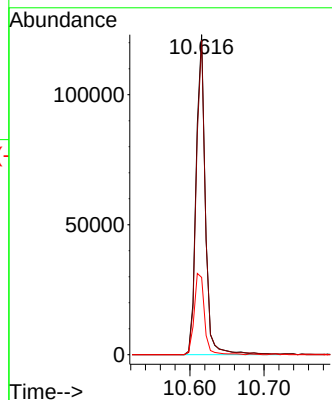
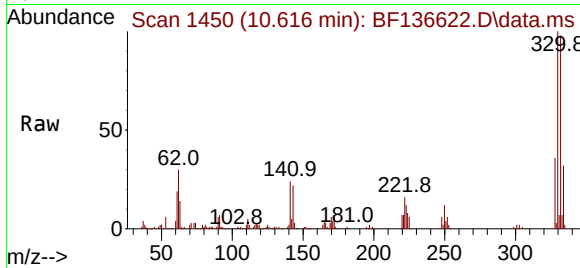




#42
2,4,6-Tribromophenol
Concen: 61.227 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

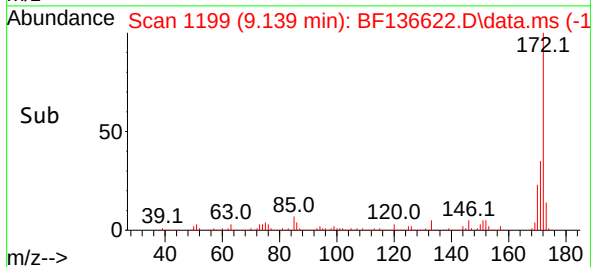
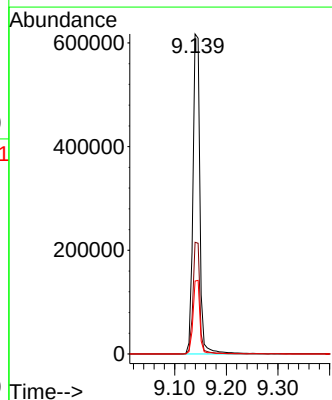
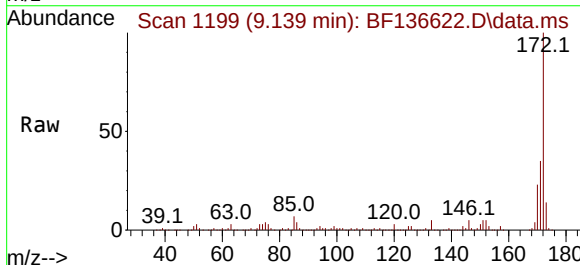
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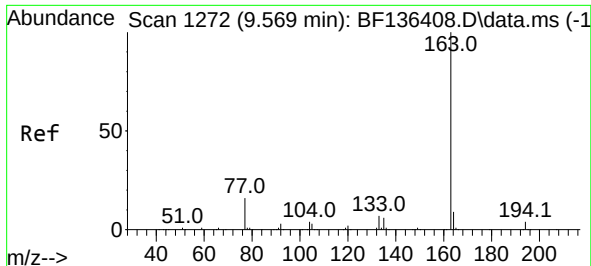
Tgt Ion:330 Resp: 106104
Ion Ratio Lower Upper
330 100
332 97.4 76.4 114.6
141 28.2 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 56.242 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

Tgt Ion:172 Resp: 579307
Ion Ratio Lower Upper
172 100
171 34.9 30.5 45.7
170 22.8 19.9 29.9

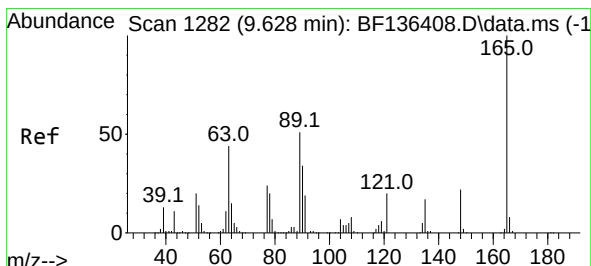
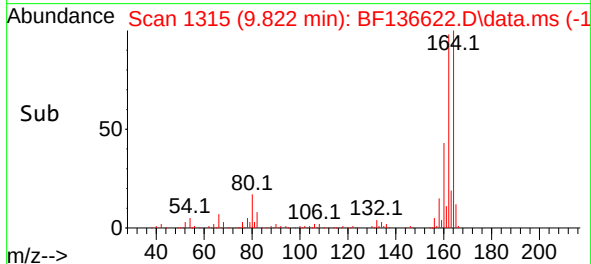
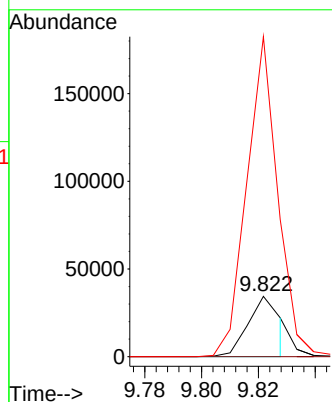
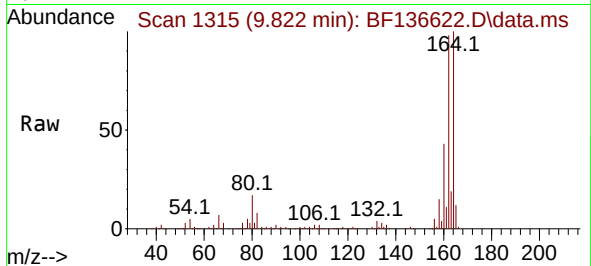




#50
Dimethylphthalate
Concen: 2.605 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

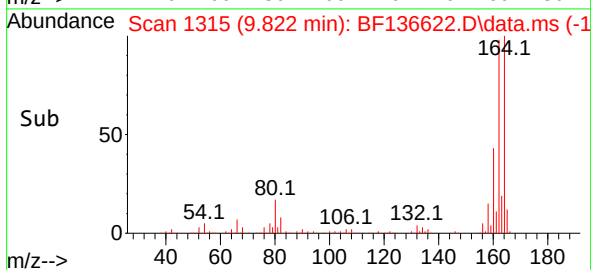
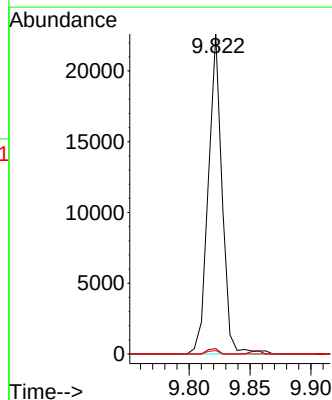
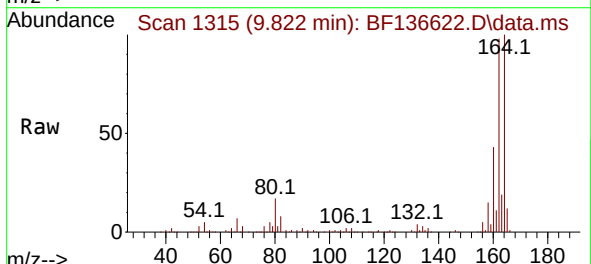
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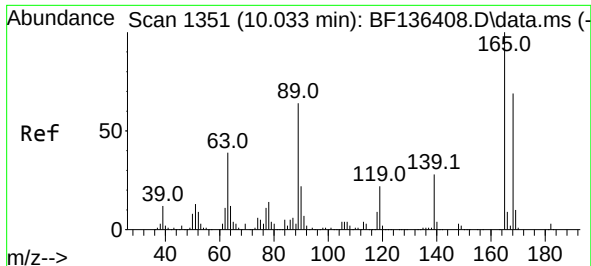
Tgt Ion:163 Resp: 26958
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 530.3 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.647 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

Tgt Ion:165 Resp: 17801
Ion Ratio Lower Upper
165 100
63 1.6 40.4 60.6#
89 1.0 40.6 60.8#

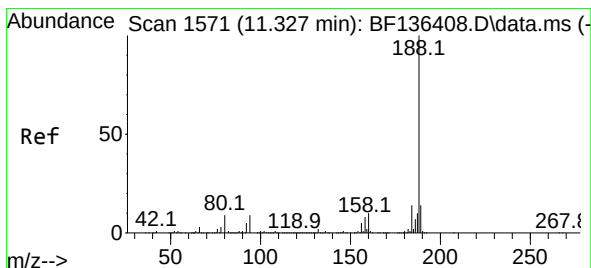
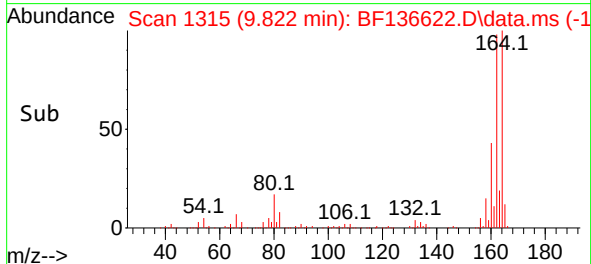
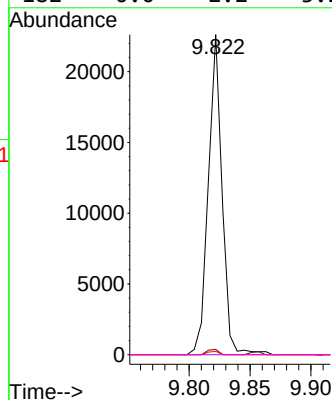
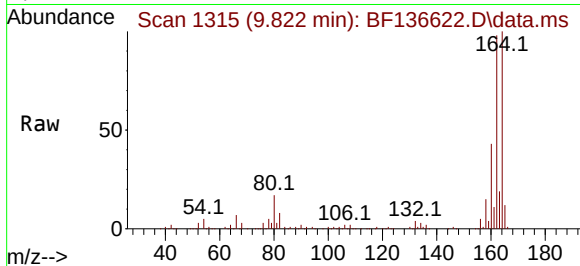




#57
2,4-Dinitrotoluene
Concen: 5.780 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

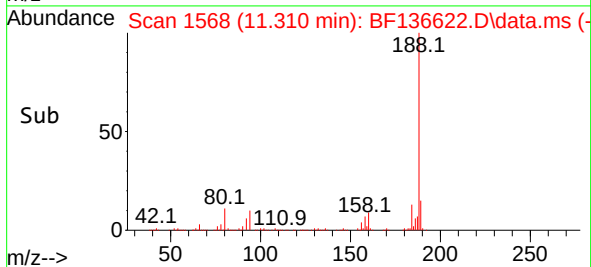
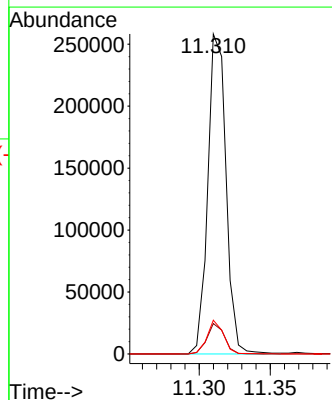
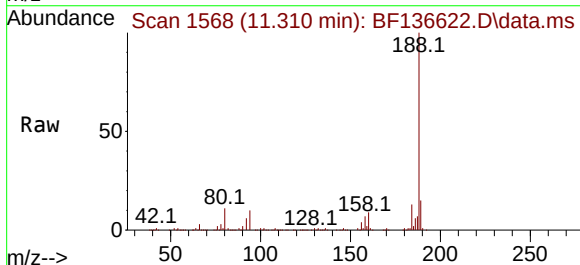
Instrument :
BNA_F
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOILRE

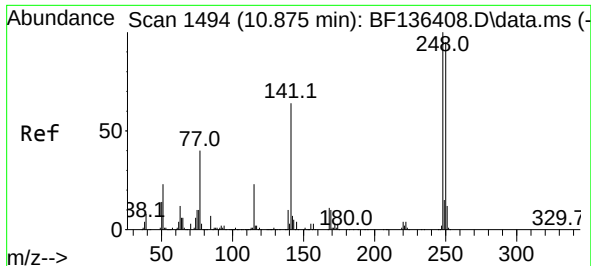
Tgt Ion:165 Resp: 17801
Ion Ratio Lower Upper
165 100
63 1.6 31.4 47.2#
89 1.0 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

Tgt Ion:188 Resp: 230800
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.5 7.2 10.8





#67

4-Bromophenyl-phenylether

Concen: 2.319 ng

RT: 10.616 min Scan# 1494

Delta R.T. -0.247 min

Lab File: BF136622.D

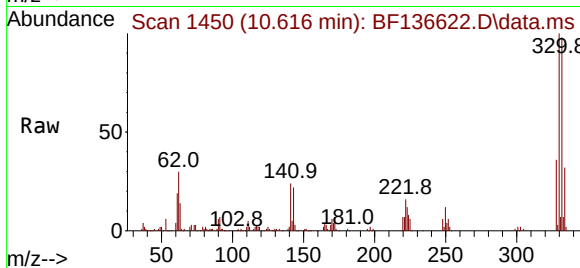
Acq: 18 Dec 2023 19:10

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOILRE



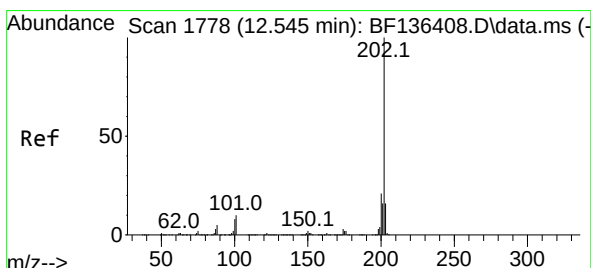
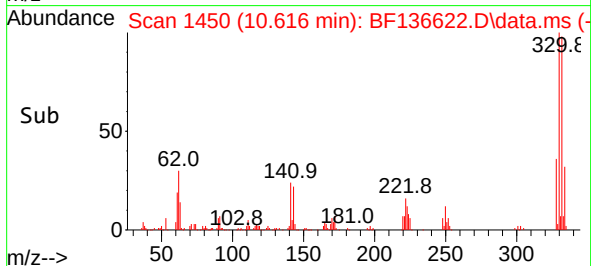
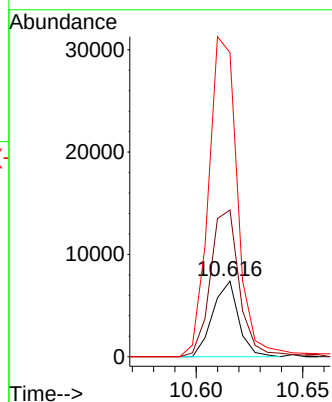
Tgt Ion:248 Resp: 6223

Ion Ratio Lower Upper

248 100

250 194.3 76.2 114.2#

141 402.5 51.0 76.4#



#75

Fluoranthene

Concen: 3.869 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF136622.D

Acq: 18 Dec 2023 19:10

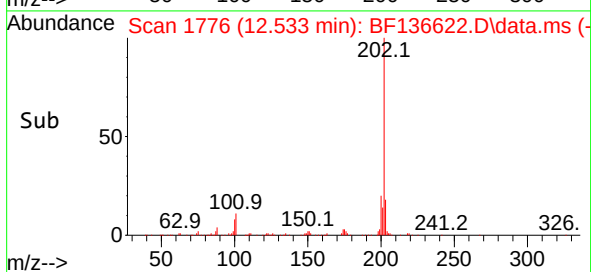
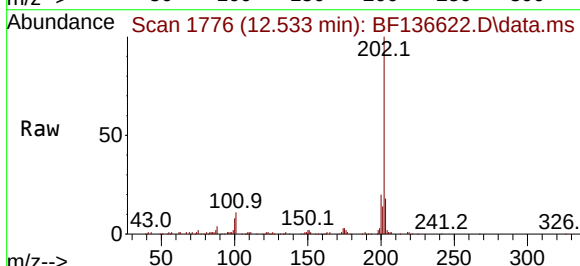
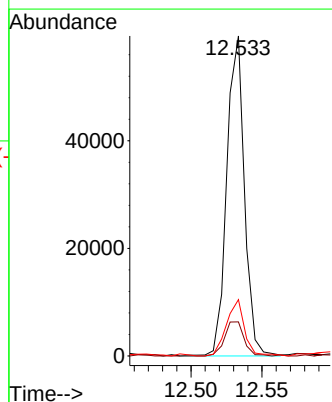
Tgt Ion:202 Resp: 51437

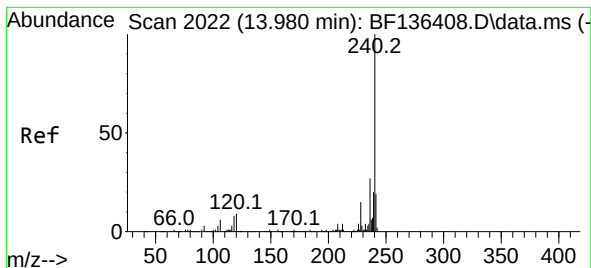
Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.9

203 17.6 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136622.D

Acq: 18 Dec 2023 19:10

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOILRE

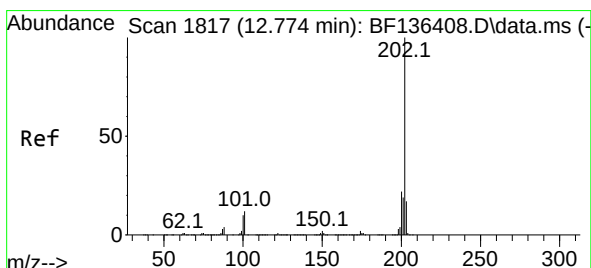
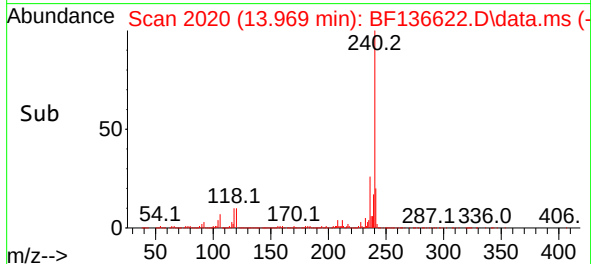
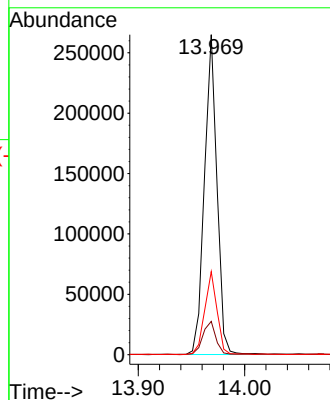
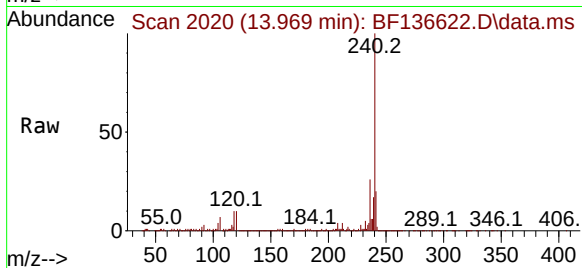
Tgt Ion:240 Resp: 217197

Ion Ratio Lower Upper

240 100

120 10.4 7.3 10.9

236 26.0 21.3 31.9



#78

Pyrene

Concen: 2.223 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF136622.D

Acq: 18 Dec 2023 19:10

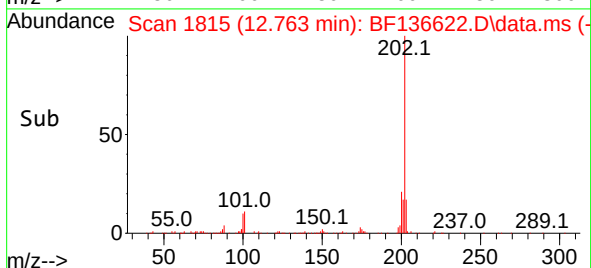
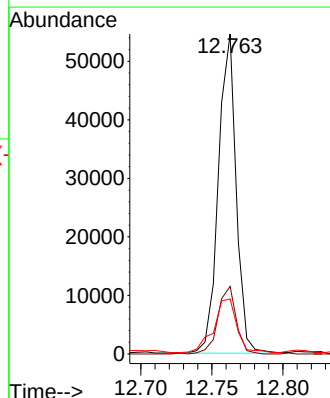
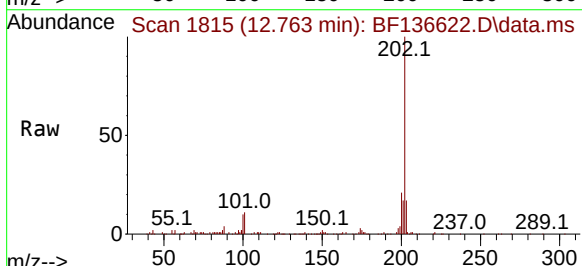
Tgt Ion:202 Resp: 47293

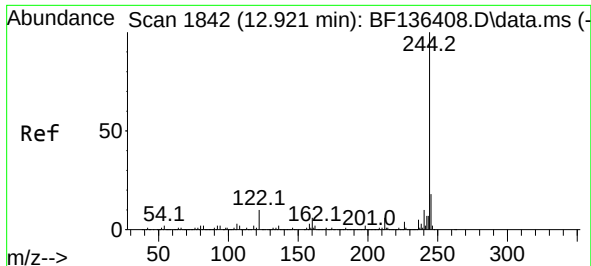
Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

203 17.2 13.5 20.3

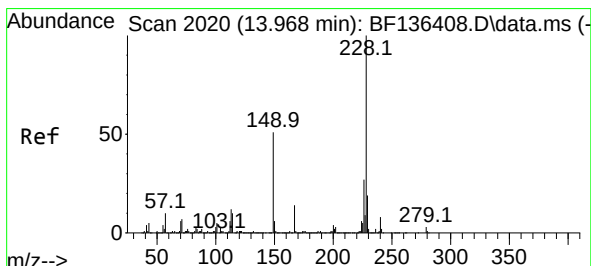
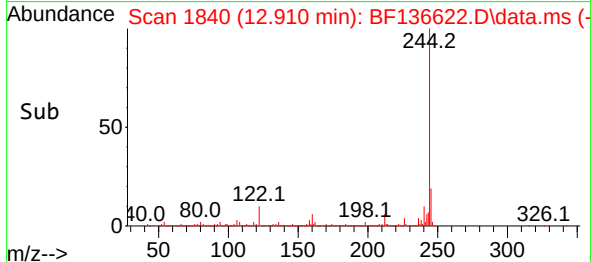
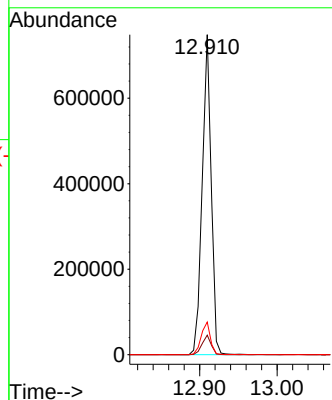
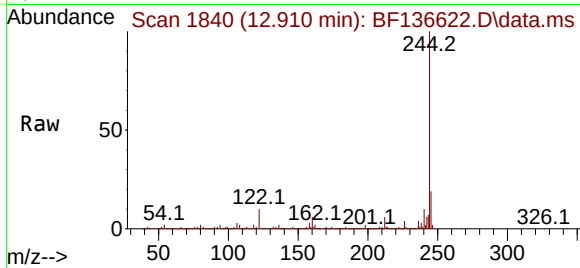




#79
 Terphenyl-d14
 Concen: 36.576 ng
 RT: 12.910 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: BF136622.D
 Acq: 18 Dec 2023 19:10

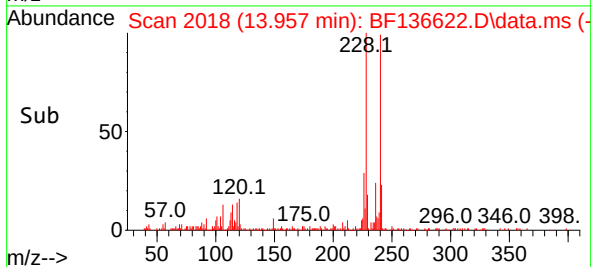
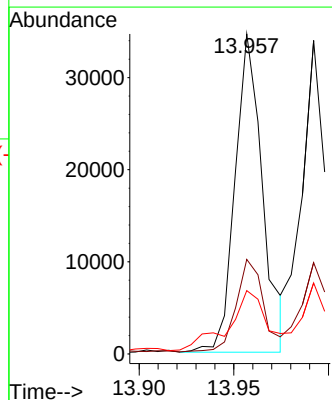
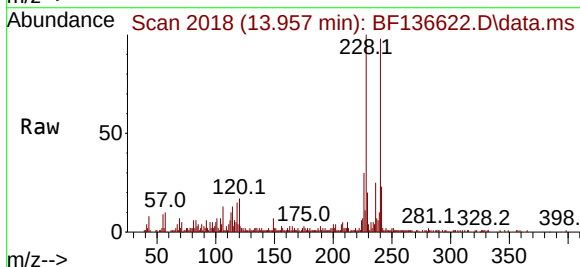
Instrument :
 BNA_F
 ClientSampleId :
 ELM-N7THSTREET-DRUMS-SOILRE

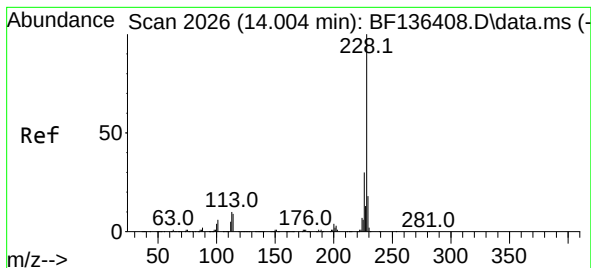
Tgt Ion:244 Resp: 602721
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.2 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.301 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF136622.D
 Acq: 18 Dec 2023 19:10

Tgt Ion:228 Resp: 34815
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.8 32.8
 229 19.8 15.0 22.4





#83

Chrysene

Concen: 2.339 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF136622.D

Acq: 18 Dec 2023 19:10

Instrument :

BNA_F

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOILRE

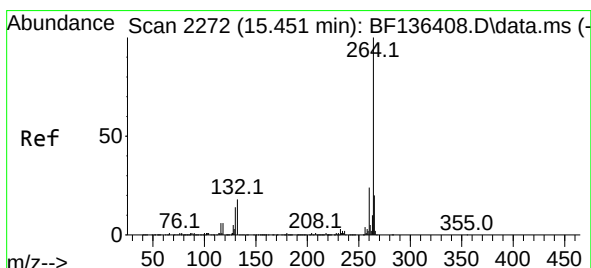
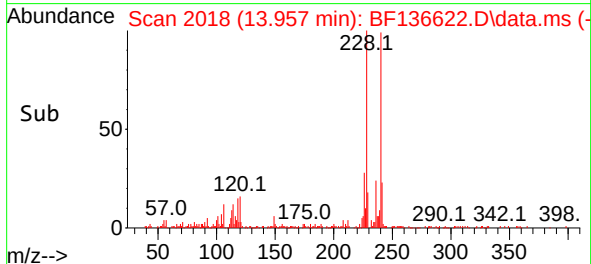
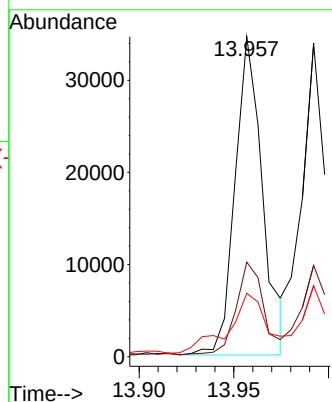
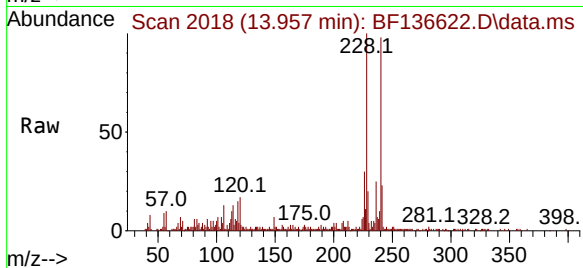
Tgt Ion:228 Resp: 34815

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 19.8 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF136622.D

Acq: 18 Dec 2023 19:10

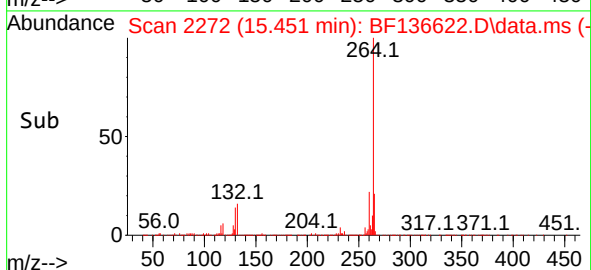
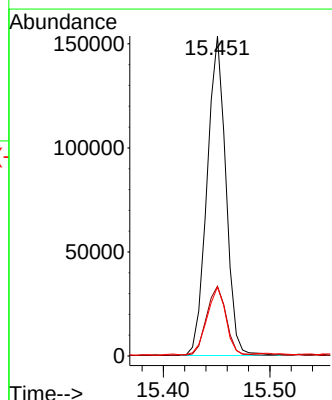
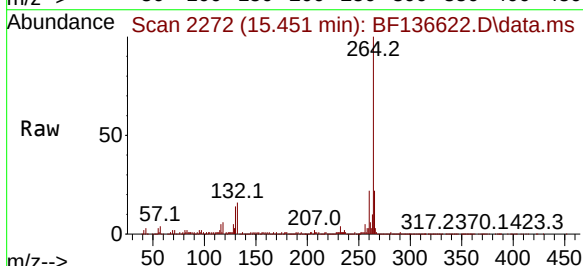
Tgt Ion:264 Resp: 188149

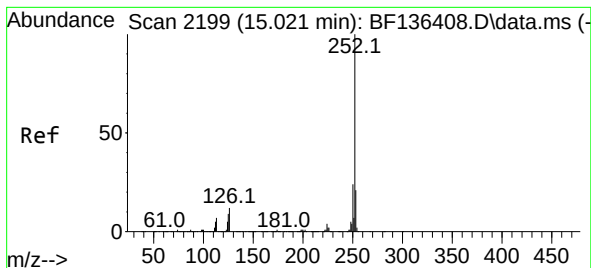
Ion Ratio Lower Upper

264 100

260 21.8 19.2 28.8

265 21.6 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 3.620 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136622.D

Acq: 18 Dec 2023 19:10

Instrument :

BNF

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOILRE

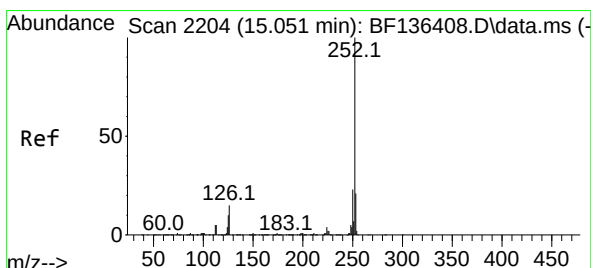
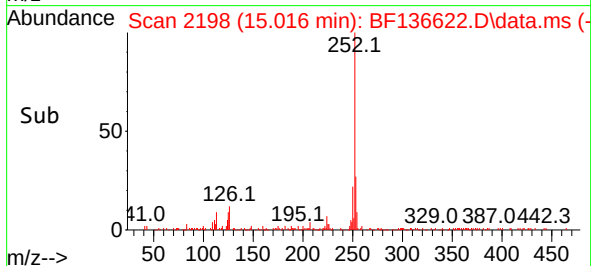
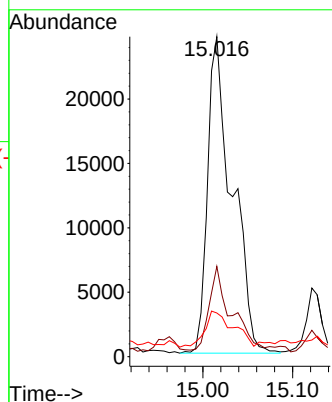
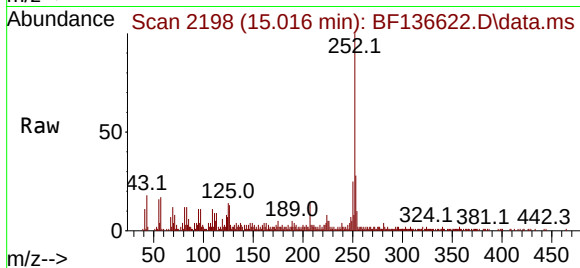
Tgt Ion:252 Resp: 46570

Ion Ratio Lower Upper

252 100

253 28.2 16.9 25.3#

125 13.7 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 3.841 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136622.D

Acq: 18 Dec 2023 19:10

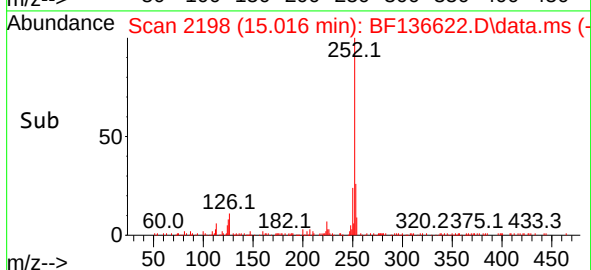
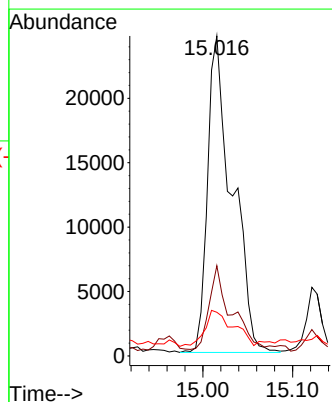
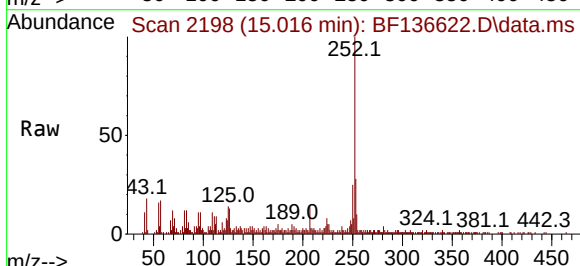
Tgt Ion:252 Resp: 46570

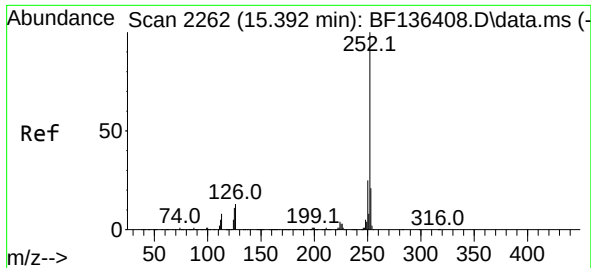
Ion Ratio Lower Upper

252 100

253 28.2 16.9 25.3#

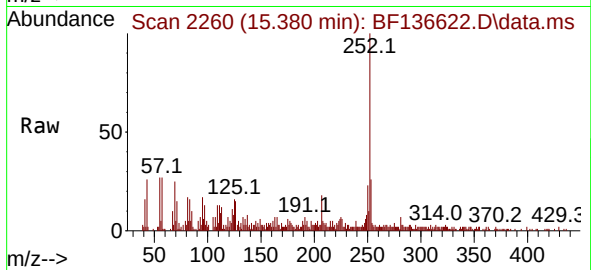
125 13.7 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 2.048 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF136622.D
Acq: 18 Dec 2023 19:10

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



Tgt Ion:252 Resp: 21755
Ion Ratio Lower Upper
252 100
253 25.6 17.0 25.4#
125 15.7 8.6 13.0#

