

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134628.D
 Acq On : 04 Aug 2023 12:45
 Operator : CG\JU
 Sample : 03854-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BERGENFIELD-SOIL-COMPRES

Quant Time: Aug 05 00:05:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

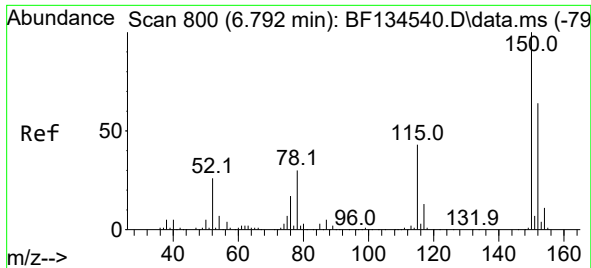
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	171806	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	650271	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	284814	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	416458	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	380550	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	331293	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1045694	92.521	ng	0.00
7) Phenol-d6	6.434	99	1304813	90.312	ng	0.00
23) Nitrobenzene-d5	7.357	82	773498	74.335	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	261531	90.077	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1338249	78.125	ng	0.00
79) Terphenyl-d14	12.916	244	1188035	55.035	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	2428	Below Cal		92
19) n-Nitroso-di-n-propyla...	7.357	70	105209	12.163	ng	# 74
25) Isophorone	7.357	82	768775	33.873	ng	# 65
26) 2-Nitrophenol	7.951	139	67	4.805	ng	# 1
32) Benzoic acid	7.857	122	8990	9.005	ng	# 20
48) 2-Nitroaniline	9.369	65	360	3.231	ng	# 8
50) Dimethylphthalate	9.827	163	61160	3.151	ng	# 1
51) 2,6-Dinitrotoluene	9.469	165	1360	2.820	ng	# 55
57) 2,4-Dinitrotoluene	9.827	165	40996	10.878	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.322	198	56	8.726	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	16432	3.604	ng	# 1
75) Fluoranthene	12.533	202	130805	5.598	ng	98
78) Pyrene	12.763	202	127440	3.870	ng	98
81) Benzo(a)anthracene	13.957	228	82855	3.045	ng	97
83) Chrysene	13.992	228	81197	3.063	ng	97
88) Benzo(b)fluoranthene	15.004	252	139218	6.890	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	139218	6.917	ng	# 95
90) Benzo(a)pyrene	15.368	252	60259	3.199	ng	# 94

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

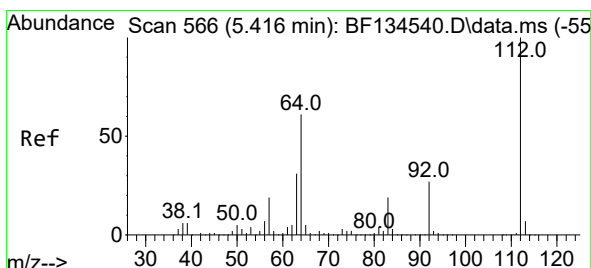
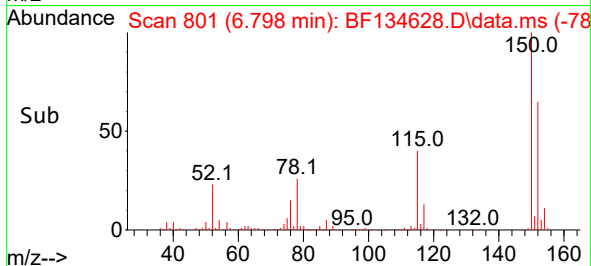
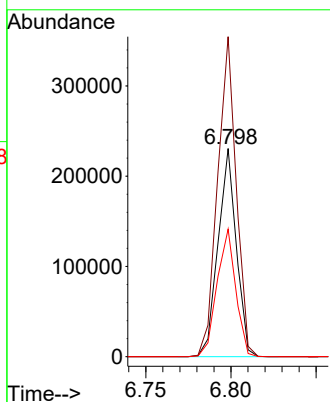
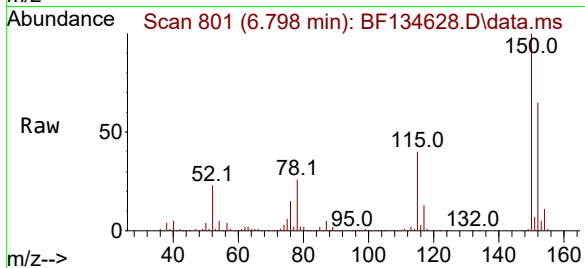




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

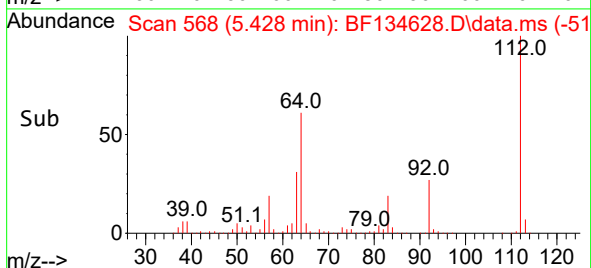
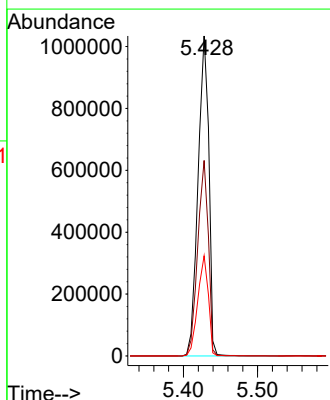
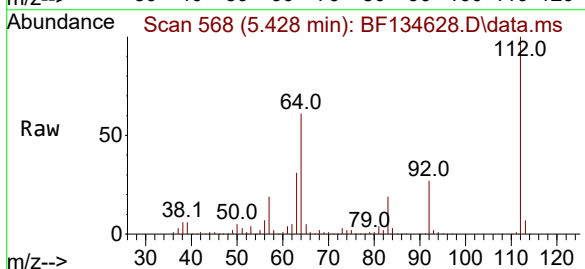
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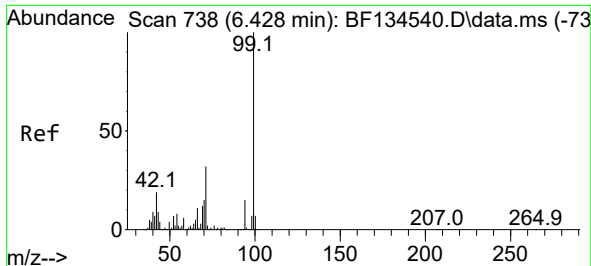
Tgt Ion:152 Resp: 171806
Ion Ratio Lower Upper
152 100
150 153.7 128.3 192.5
115 61.3 52.4 78.6



#5
2-Fluorophenol
Concen: 92.521 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:112 Resp: 1045694
Ion Ratio Lower Upper
112 100
64 61.1 44.9 67.3
63 31.3 25.4 38.0

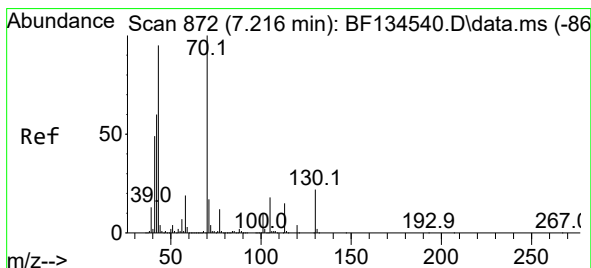
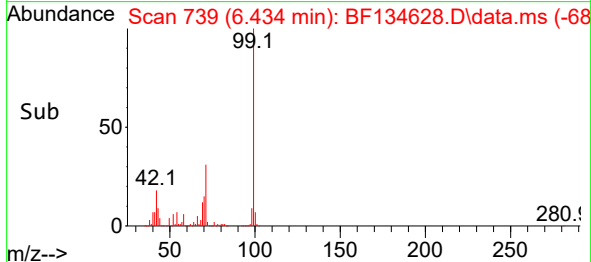
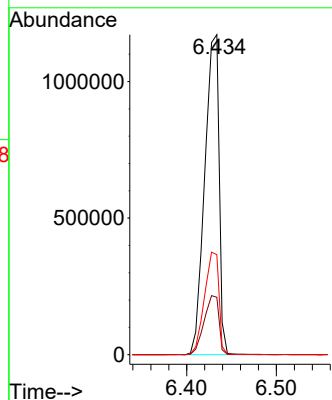
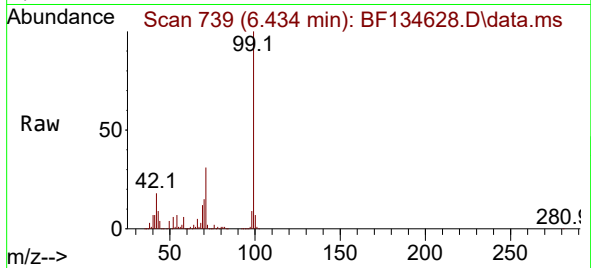




#7
Phenol-d6
Concen: 90.312 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

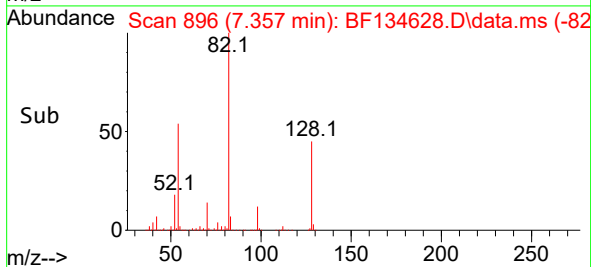
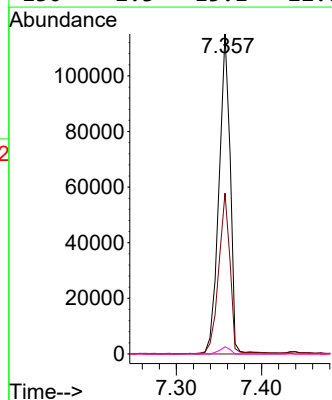
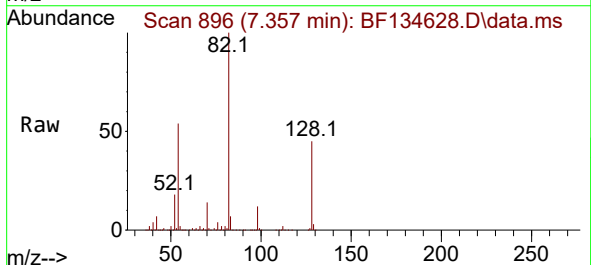
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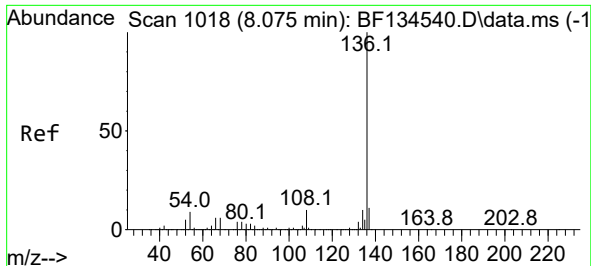
Tgt Ion: 99 Resp: 1304813
Ion Ratio Lower Upper
99 100
42 17.9 18.7 28.1#
71 31.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 12.163 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion: 70 Resp: 105209
Ion Ratio Lower Upper
70 100
42 50.2 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

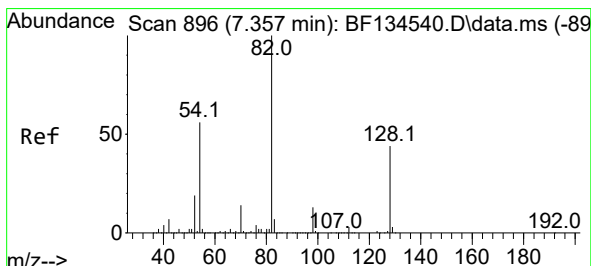
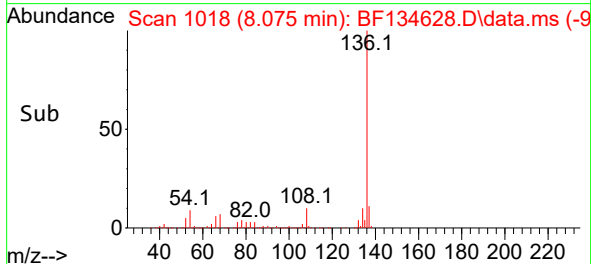
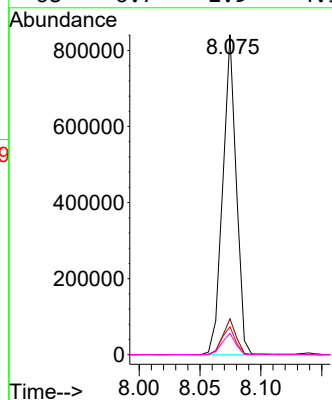
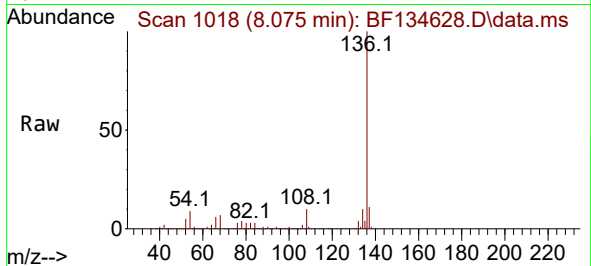




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

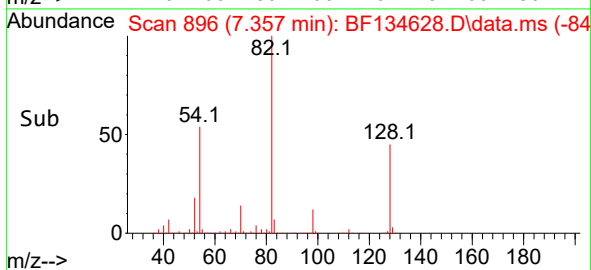
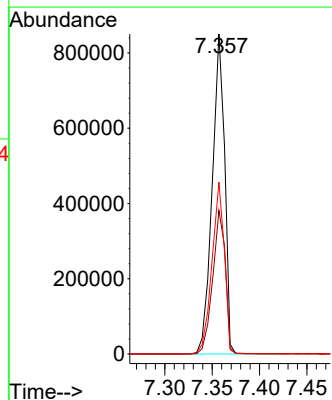
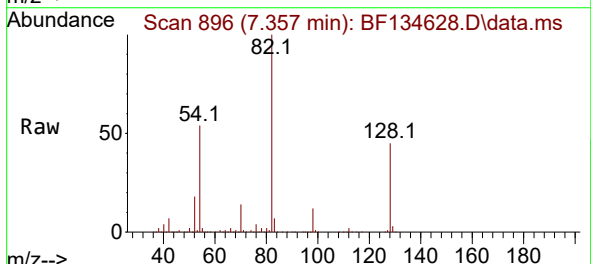
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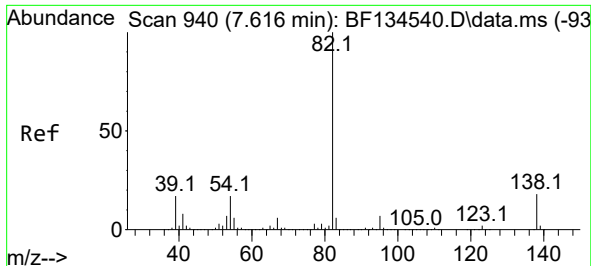
Tgt Ion:136 Resp: 650271
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.7 5.2 7.8#
68 6.7 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 74.335 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion: 82 Resp: 773498
Ion Ratio Lower Upper
82 100
128 44.8 34.3 51.5
54 53.7 43.8 65.6

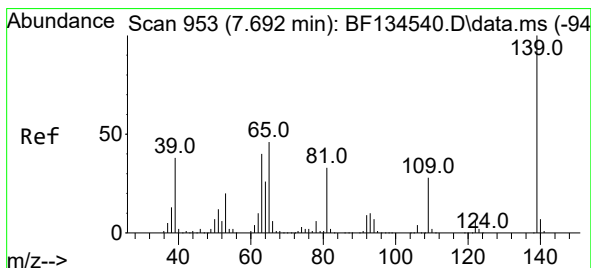
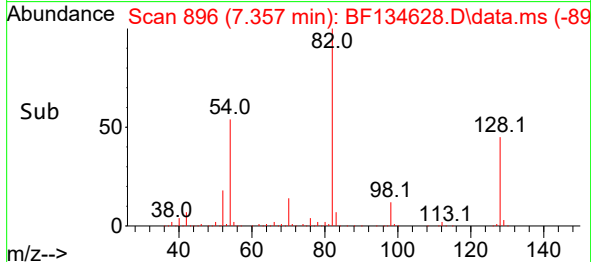
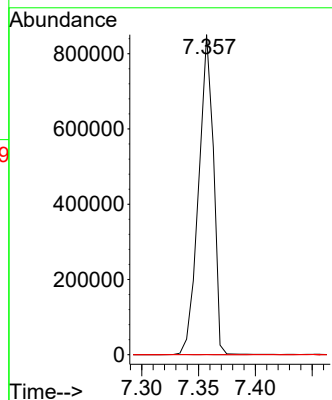
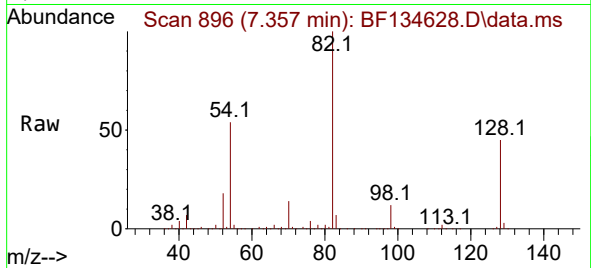




#25
Isophorone
Concen: 33.873 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

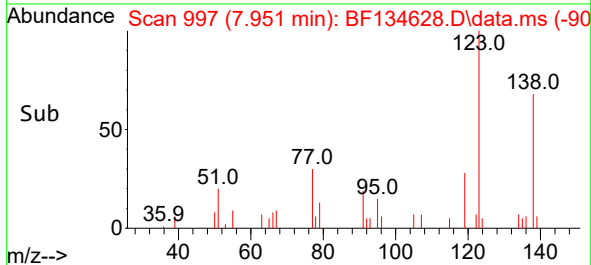
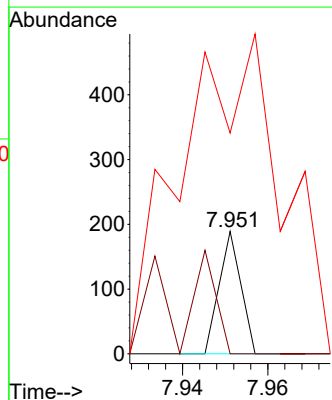
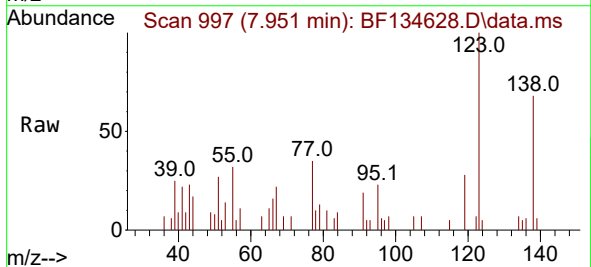
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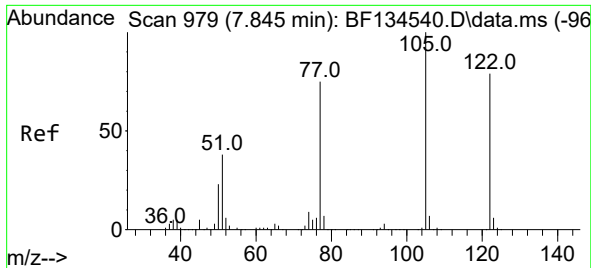
Tgt Ion: 82 Resp: 768775
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.805 ng
RT: 7.951 min Scan# 997
Delta R.T. 0.253 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:139 Resp: 67
Ion Ratio Lower Upper
139 100
109 0.0 29.8 44.6#
65 180.4 45.4 68.2#

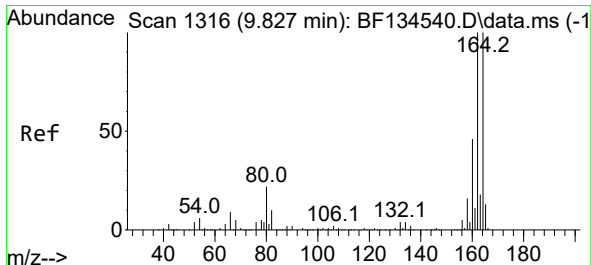
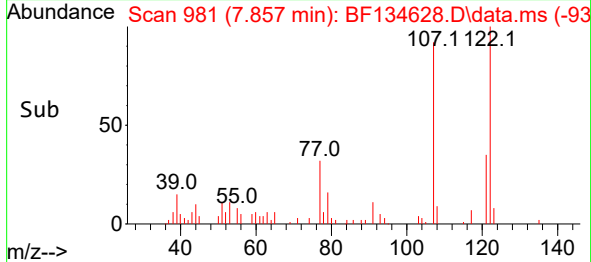
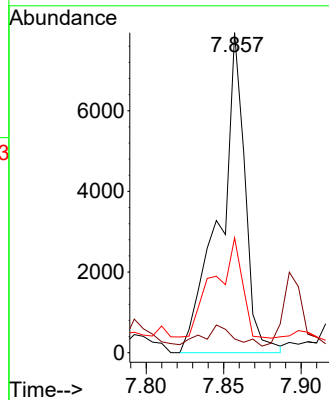
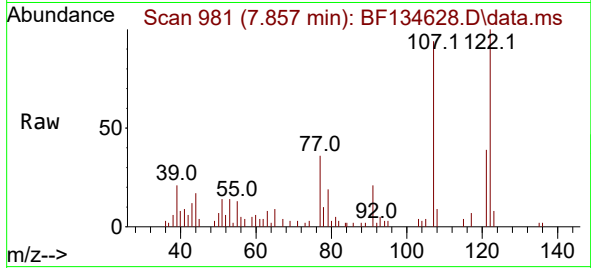




#32
Benzoic acid
Concen: 9.005 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

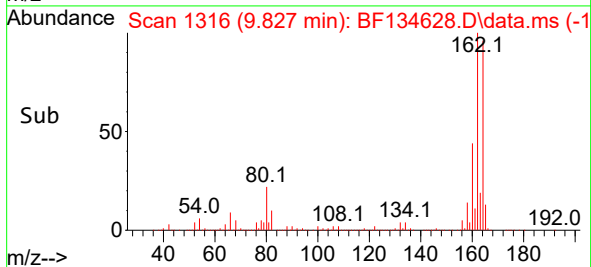
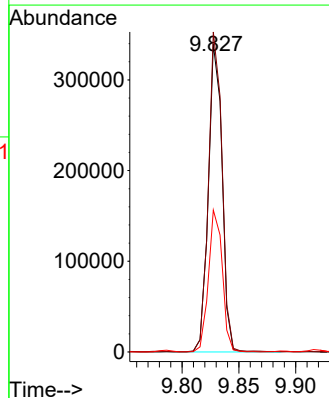
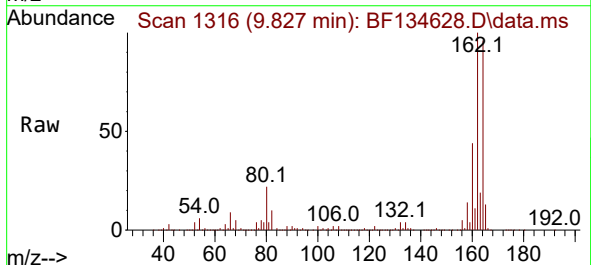
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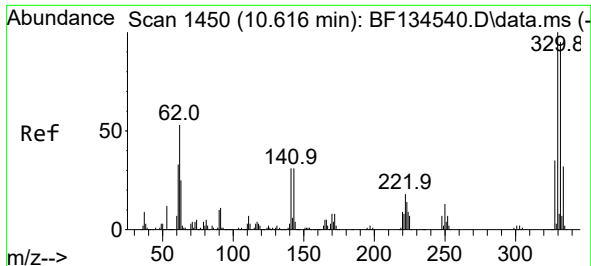
Tgt Ion:122 Resp: 8990
Ion Ratio Lower Upper
122 100
105 4.3 87.5 127.5#
77 35.9 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:164 Resp: 284814
Ion Ratio Lower Upper
164 100
162 104.0 82.6 123.8
160 46.1 37.2 55.8

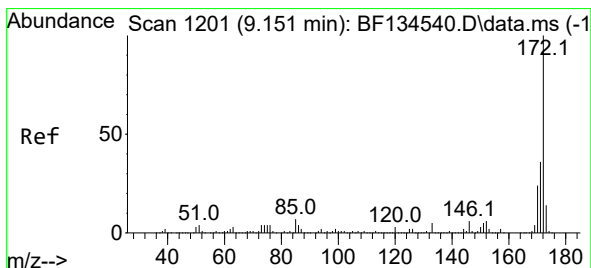
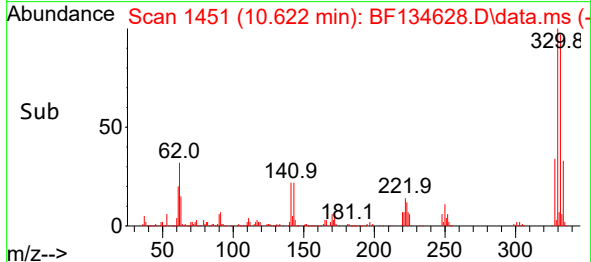
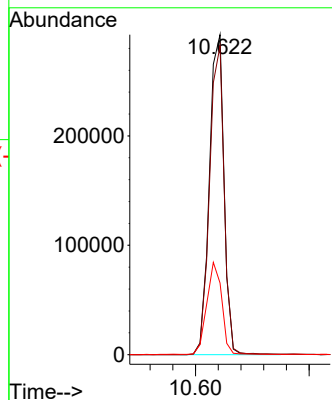
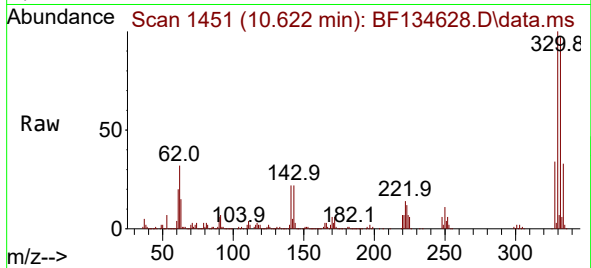




#42
2,4,6-Tribromophenol
Concen: 90.077 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

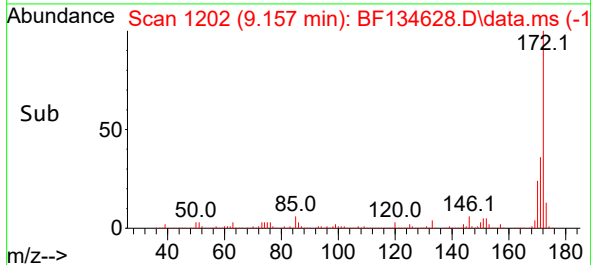
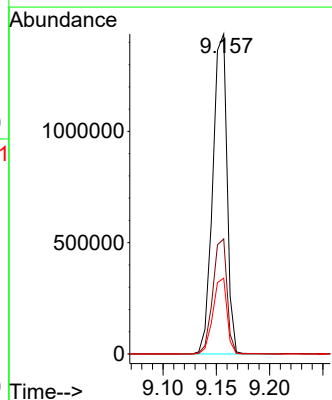
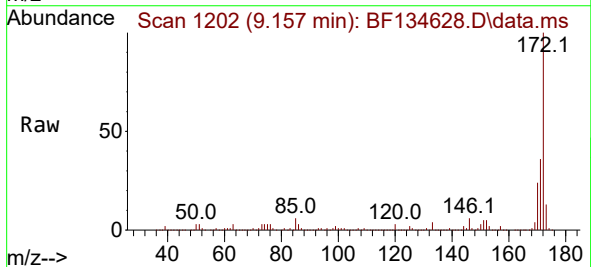
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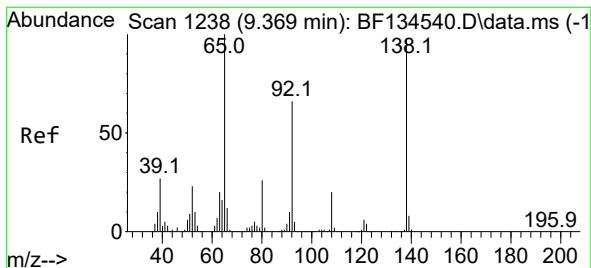
Tgt Ion:330 Resp: 261531
Ion Ratio Lower Upper
330 100
332 95.9 78.8 118.2
141 30.1 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 78.125 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:172 Resp: 1338249
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 18.7 28.1





#48

2-Nitroaniline

Concen: 3.231 ng

RT: 9.369 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

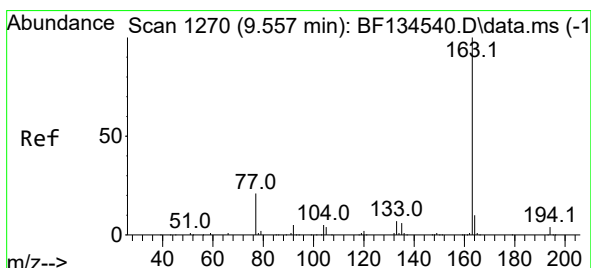
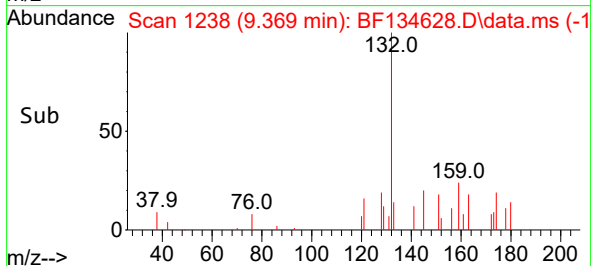
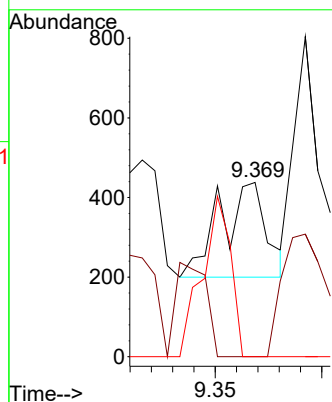
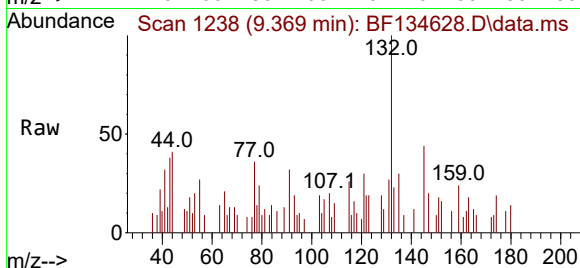
Tgt Ion: 65 Resp: 360

Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#



#50

Dimethylphthalate

Concen: 3.151 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

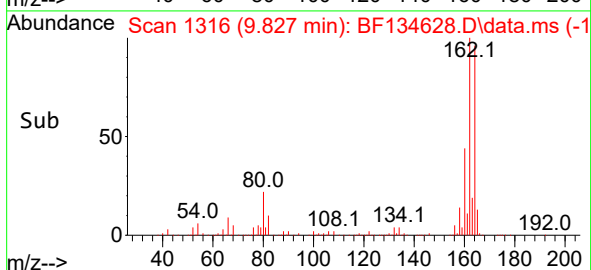
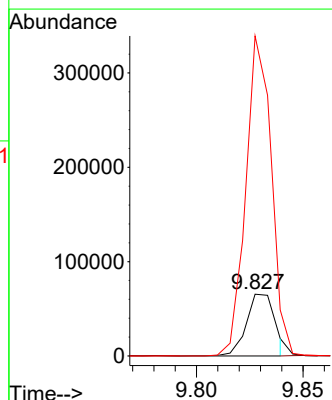
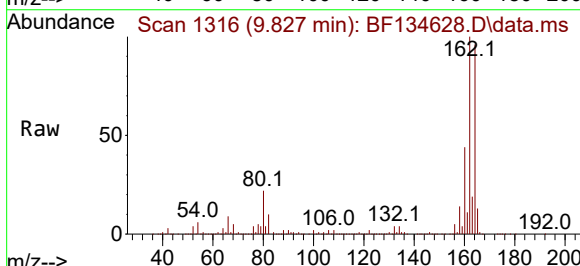
Tgt Ion: 163 Resp: 61160

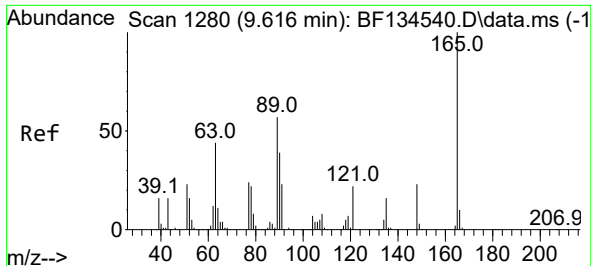
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 518.1 7.5 11.3#

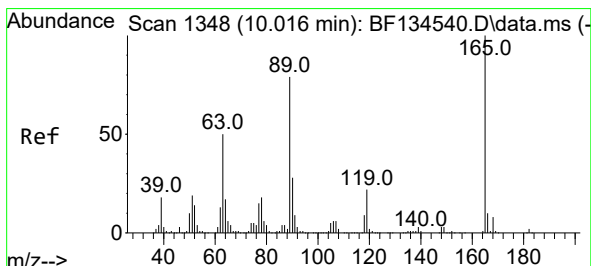
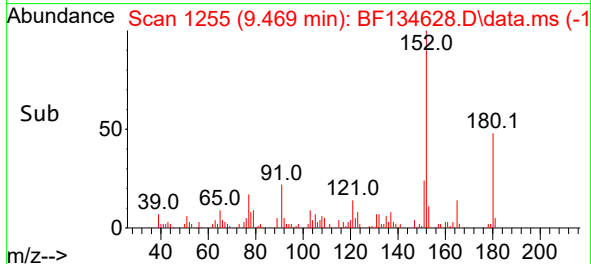
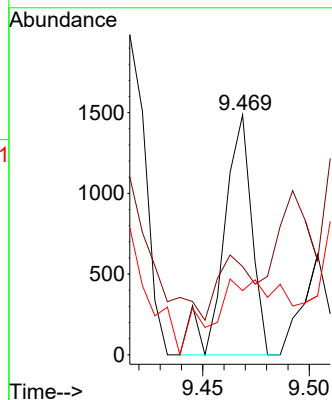
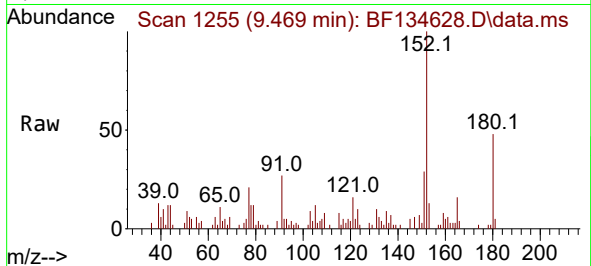




#51
2,6-Dinitrotoluene
Concen: 2.820 ng
RT: 9.469 min Scan# 1316
Delta R.T. -0.159 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

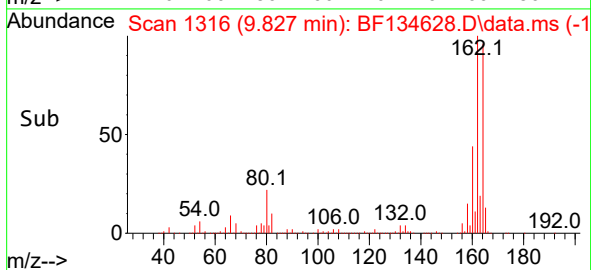
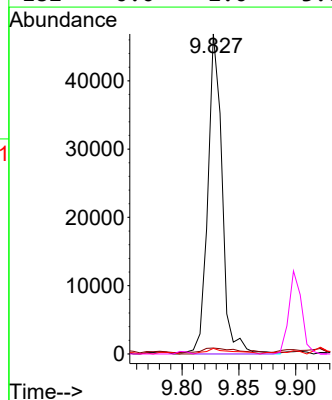
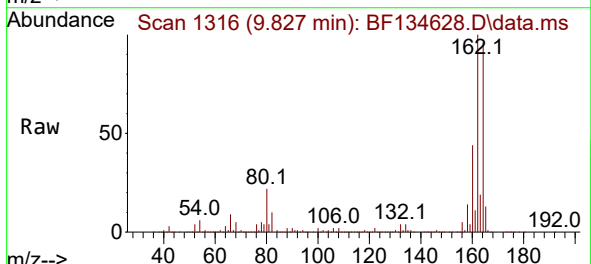
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE

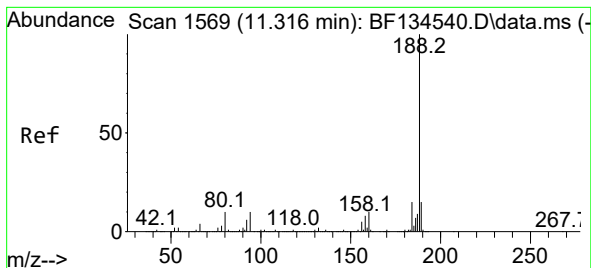
Tgt Ion:165 Resp: 1360
Ion Ratio Lower Upper
165 100
63 36.8 57.8 86.6#
89 26.7 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.878 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:165 Resp: 40996
Ion Ratio Lower Upper
165 100
63 1.9 48.9 73.3#
89 1.7 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMPRE

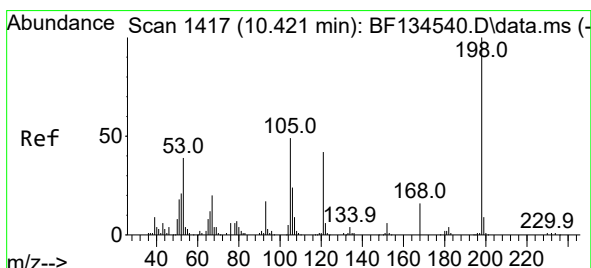
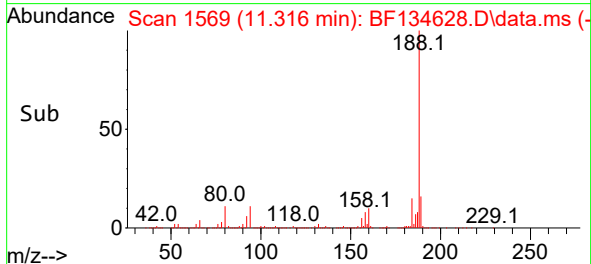
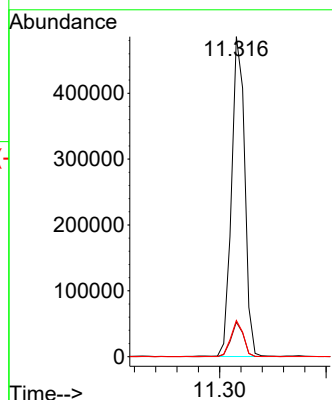
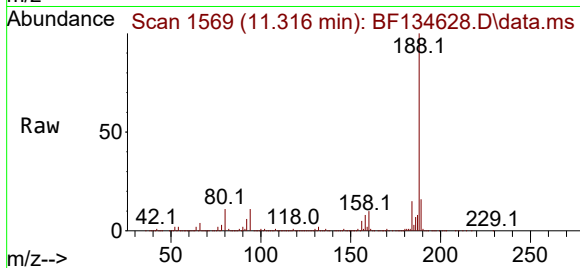
Tgt Ion:188 Resp: 416458

Ion Ratio Lower Upper

188 100

94 10.8 5.1 7.7#

80 11.4 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.726 ng

RT: 10.322 min Scan# 1400

Delta R.T. -0.118 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

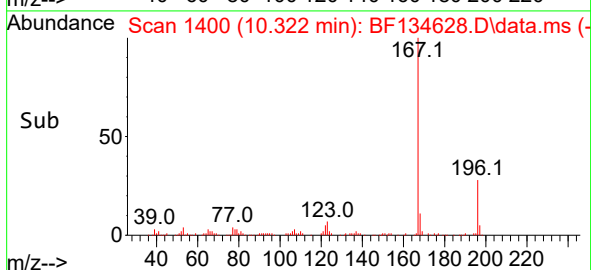
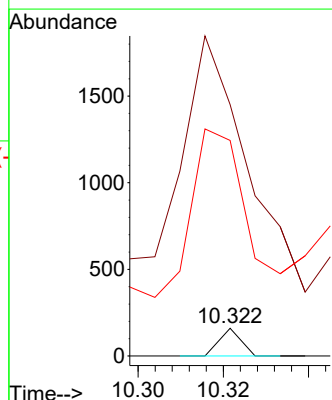
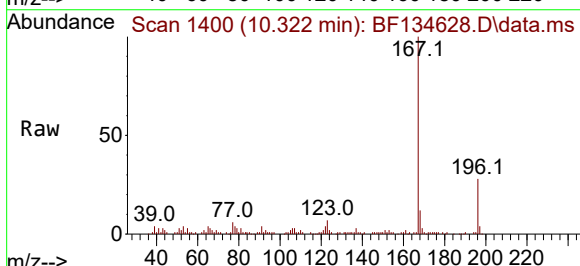
Tgt Ion:198 Resp: 56

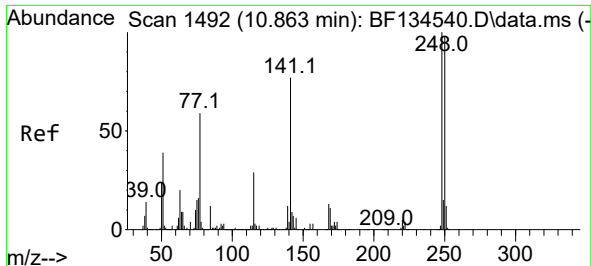
Ion Ratio Lower Upper

198 100

51 906.9 38.6 78.6#

105 777.5 27.9 67.9#

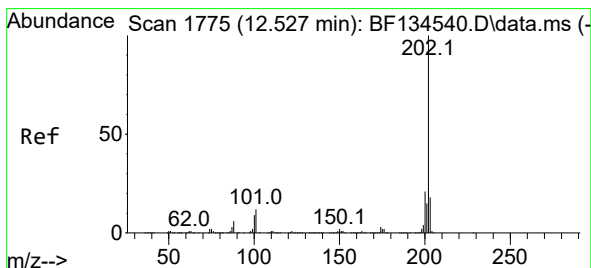
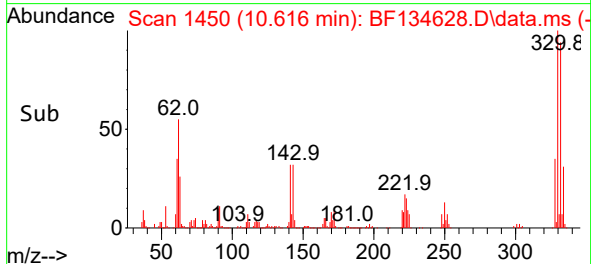
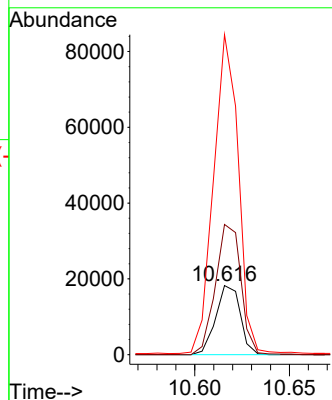
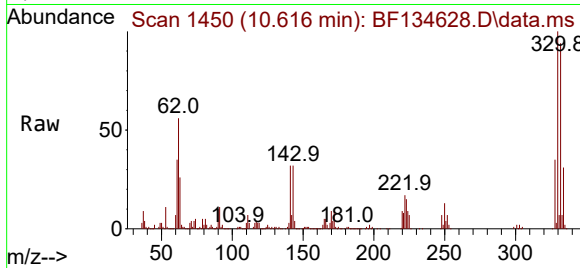




#67
4-Bromophenyl-phenylether
Concen: 3.604 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

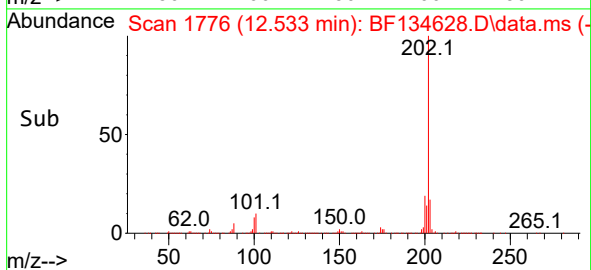
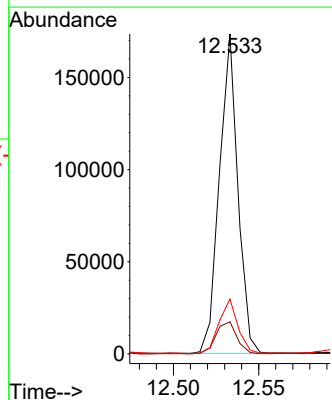
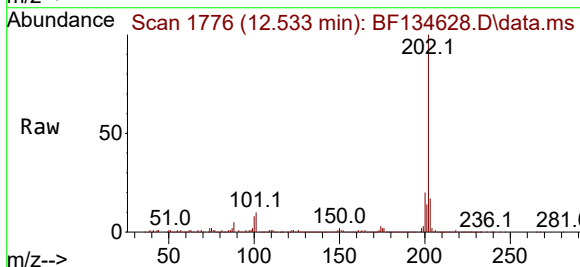
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE

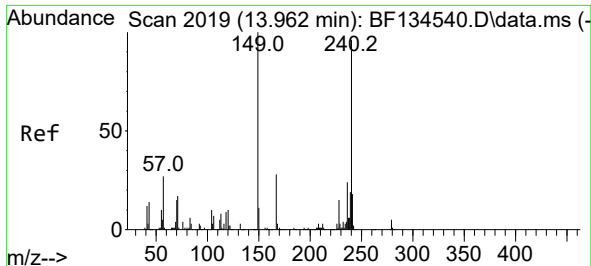
Tgt Ion:248 Resp: 16432
Ion Ratio Lower Upper
248 100
250 188.4 79.6 119.4#
141 462.8 59.6 89.4#



#75
Fluoranthene
Concen: 5.598 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:202 Resp: 130805
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.5
203 17.1 0.0 37.5

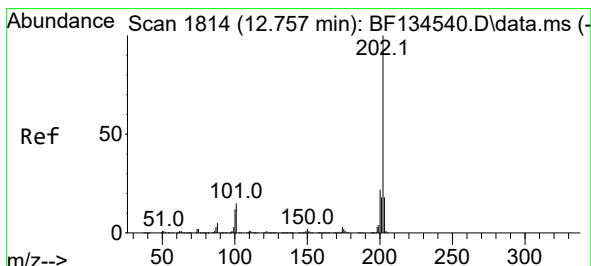
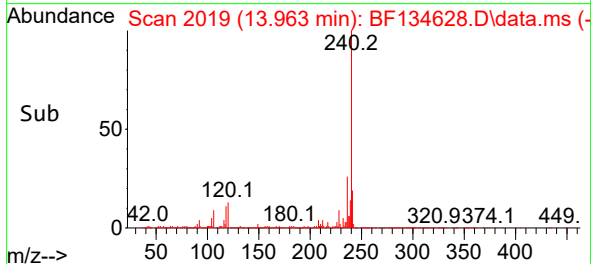
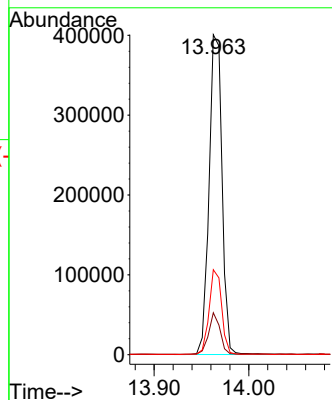
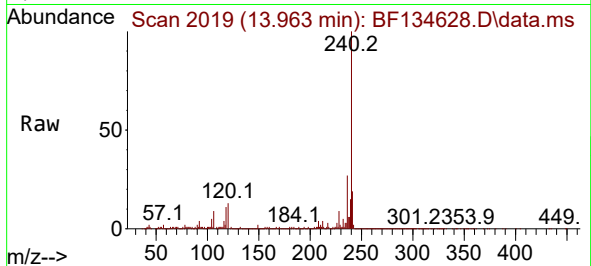




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

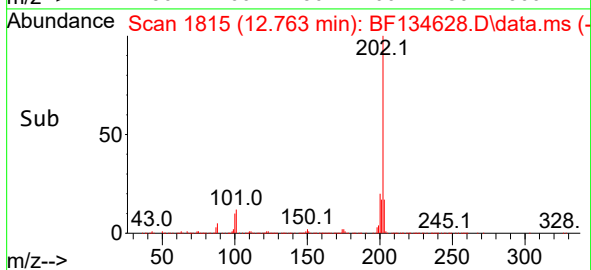
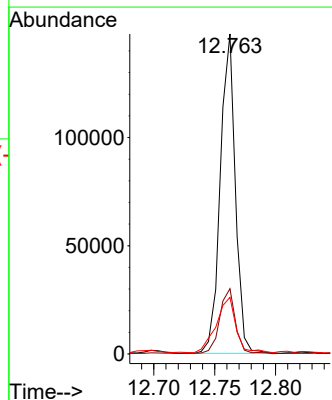
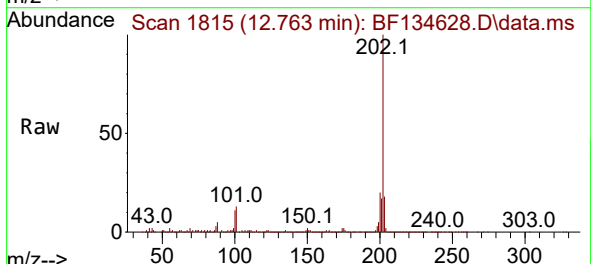
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE

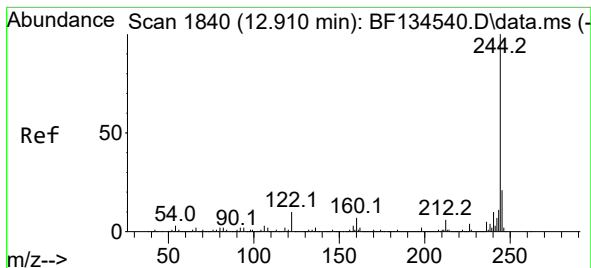
Tgt Ion:240 Resp: 380550
Ion Ratio Lower Upper
240 100
120 13.1 6.6 10.0#
236 26.5 20.2 30.2



#78
Pyrene
Concen: 3.870 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:202 Resp: 127440
Ion Ratio Lower Upper
202 100
200 20.4 15.8 23.8
203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 55.035 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMPRE

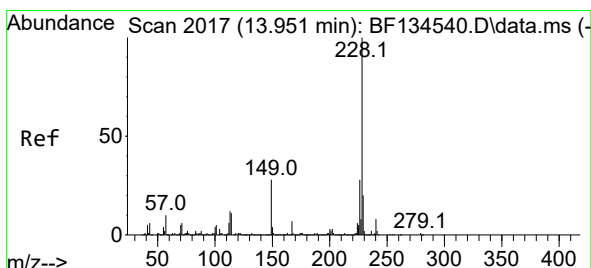
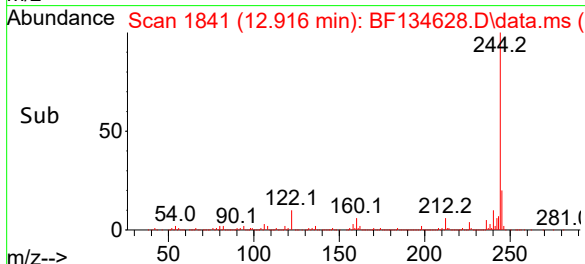
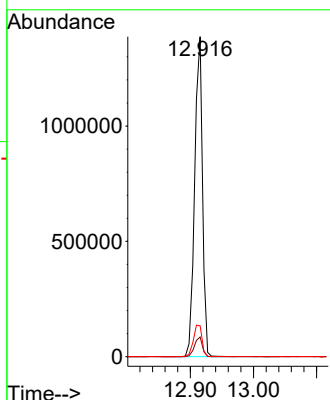
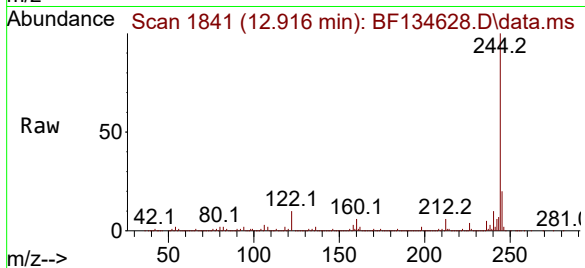
Tgt Ion:244 Resp: 1188035

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 9.7 8.0 12.0



#81

Benzo(a)anthracene

Concen: 3.045 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

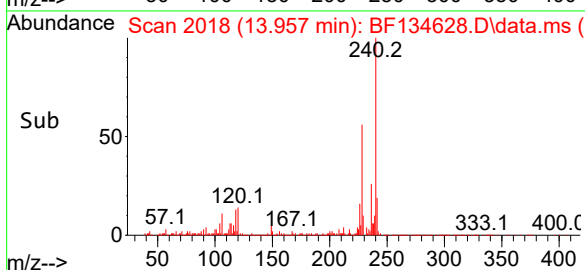
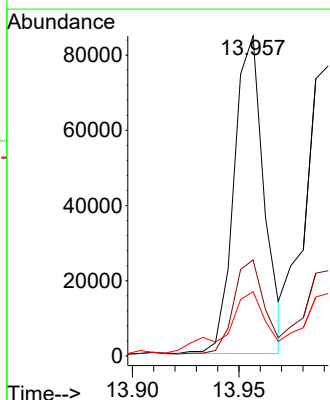
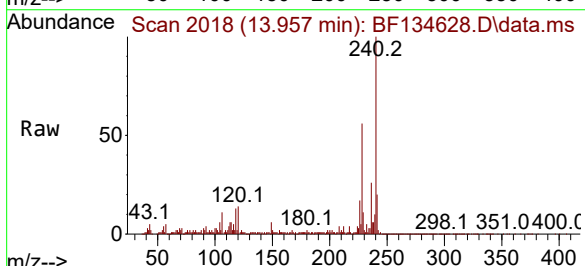
Tgt Ion:228 Resp: 82855

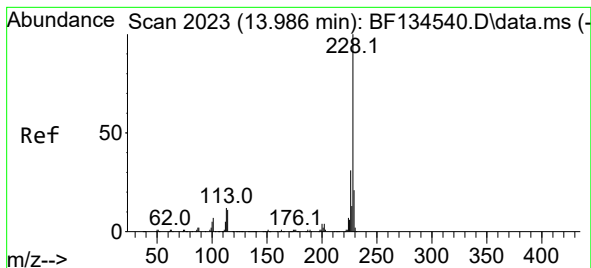
Ion Ratio Lower Upper

228 100

226 30.0 22.3 33.5

229 20.1 15.8 23.6





#83

Chrysene

Concen: 3.063 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMPRE

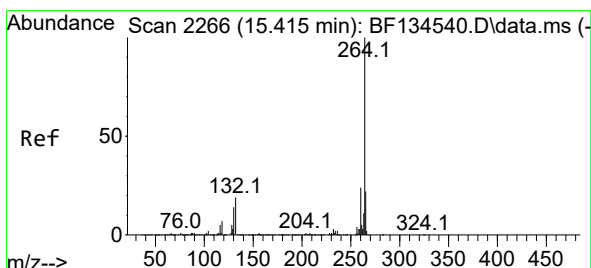
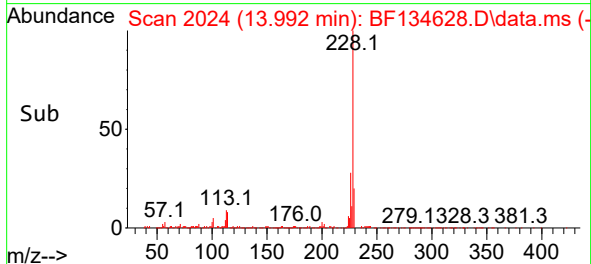
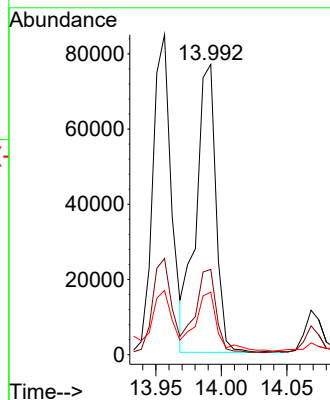
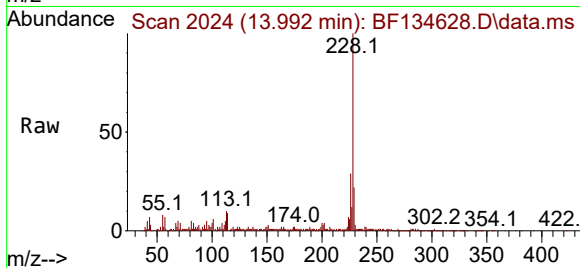
Tgt Ion:228 Resp: 81197

Ion Ratio Lower Upper

228 100

226 29.4 24.5 36.7

229 21.5 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

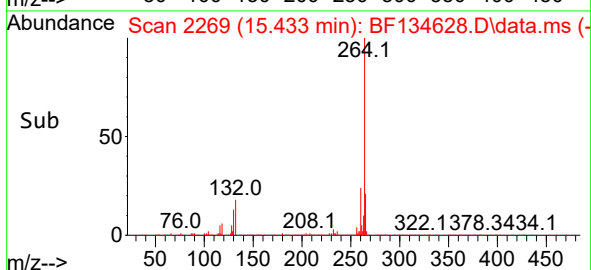
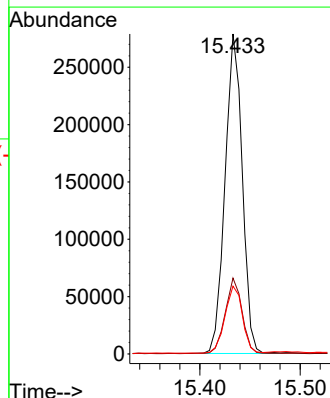
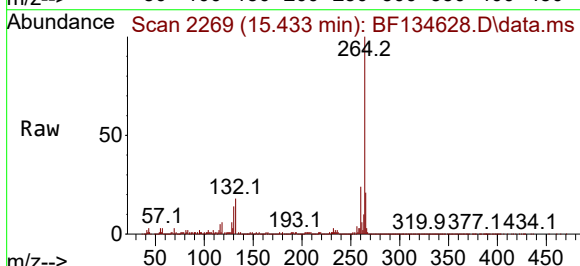
Tgt Ion:264 Resp: 331293

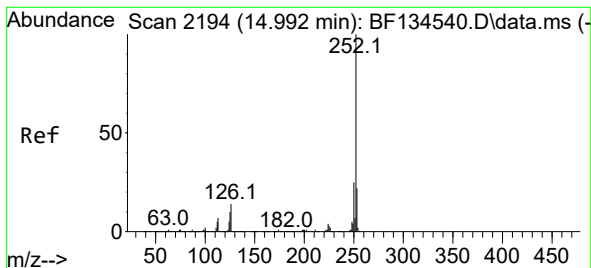
Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.2 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 6.890 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMPRE

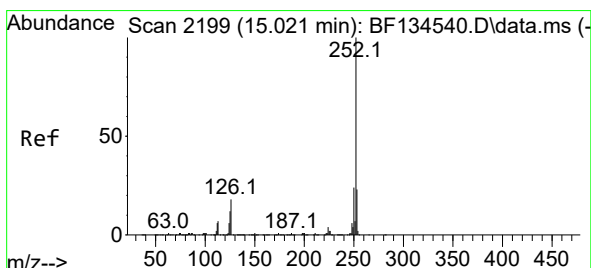
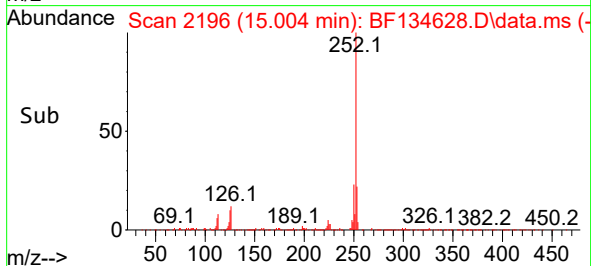
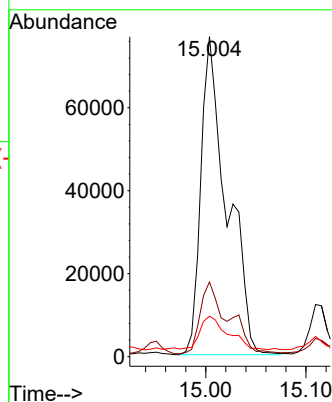
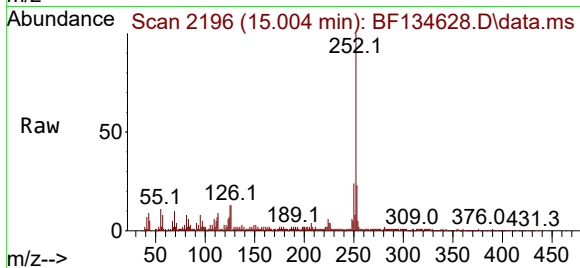
Tgt Ion:252 Resp: 139218

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 12.7 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 6.917 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

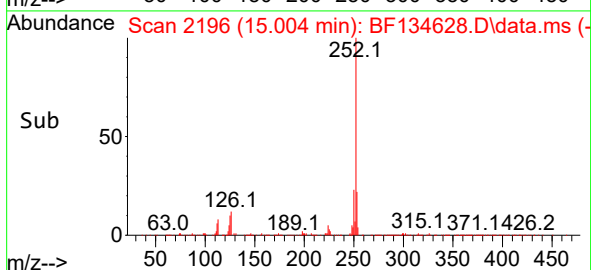
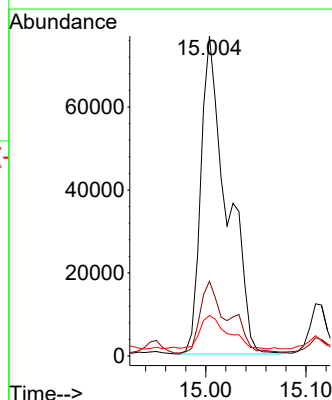
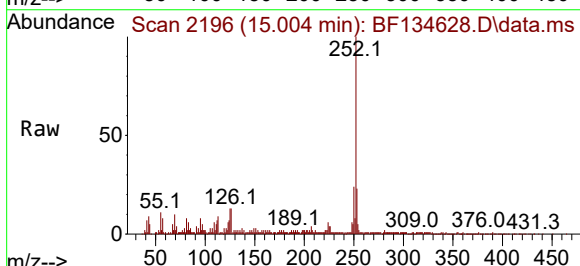
Tgt Ion:252 Resp: 139218

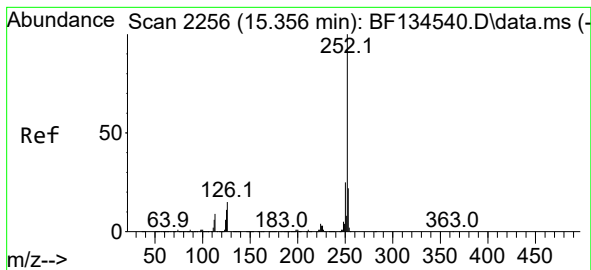
Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 12.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 3.199 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134628.D

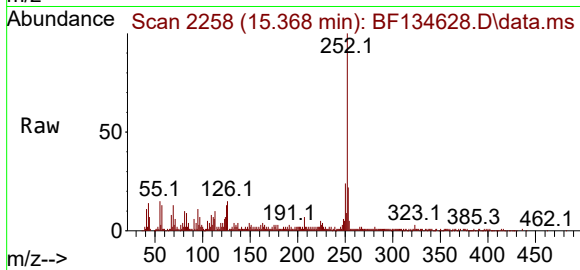
Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMPRE



Tgt Ion:252 Resp: 60259

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.4

125 13.0 6.2 9.4#

