

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134616.D
 Acq On : 03 Aug 2023 17:17
 Operator : CG\JU
 Sample : 03756-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BERGENFIELD-SOIL-COMP

Quant Time: Aug 04 01:09:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

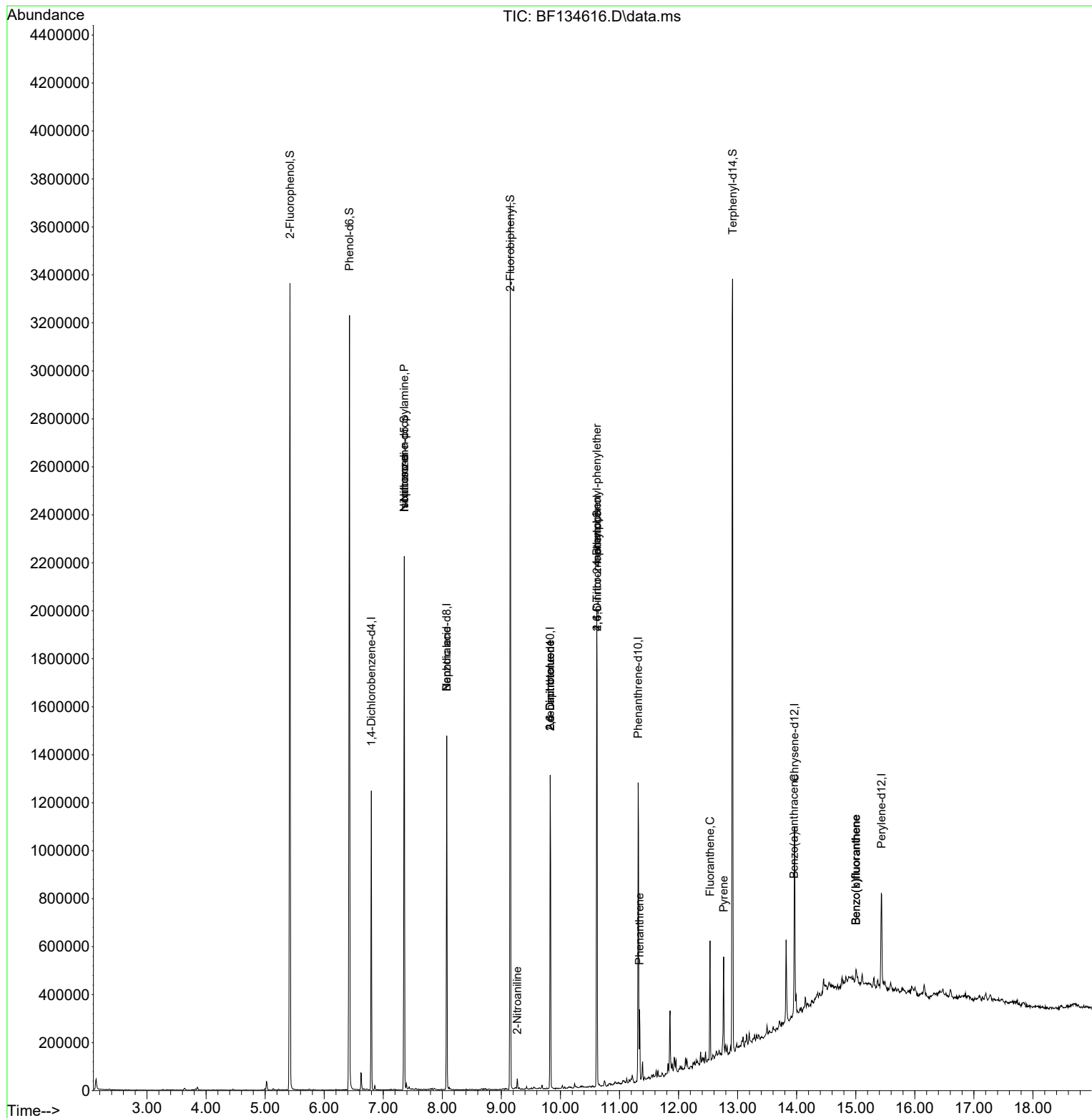
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	154261	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	544387	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	236511	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	442089	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	249458	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	211506	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	898230	88.512	ng	0.00
7) Phenol-d6	6.428	99	1123285	86.591	ng	0.00
23) Nitrobenzene-d5	7.357	82	610118	70.038	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	237299	98.423	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1057926	74.373	ng	0.00
79) Terphenyl-d14	12.916	244	1171022	82.754	ng	0.00
Target Compounds						
9) Benzaldehyde	6.345	77	181	Below Cal		Qvalue # 44
19) n-Nitroso-di-n-propyla...	7.357	70	81598	10.506	ng	# 73
25) Isophorone	7.357	82	609014	32.053	ng	# 65
32) Benzoic acid	8.075	122	82	7.880	ng	# 1
48) 2-Nitroaniline	9.269	65	488	3.272	ng	# 8
51) 2,6-Dinitrotoluene	9.828	165	30309	11.195	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	30309	9.997	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	457	8.908	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	14871	3.073	ng	# 1
71) Phenanthrene	11.339	178	106474	4.534	ng	98
75) Fluoranthene	12.533	202	183131	7.383	ng	98
78) Pyrene	12.763	202	157005	7.273	ng	99
81) Benzo(a)anthracene	13.957	228	36006	2.019	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	35542	2.755	ng	# 78
89) Benzo(k)fluoranthene	15.004	252	35542	2.766	ng	# 80

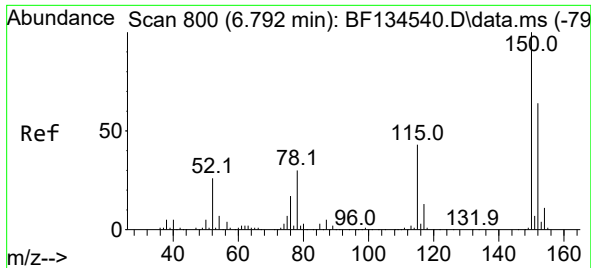
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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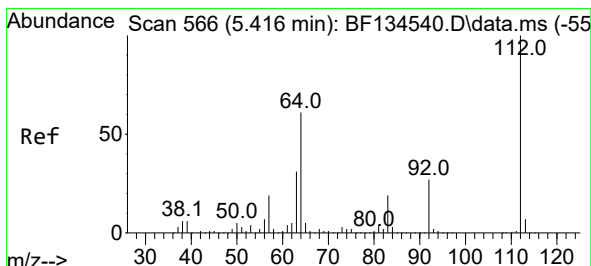
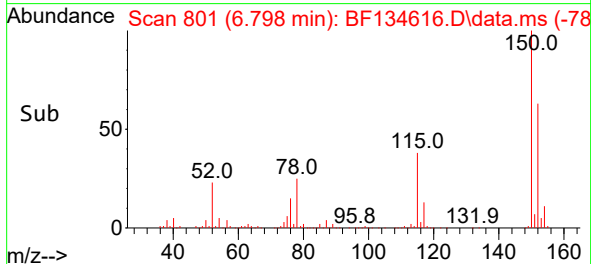
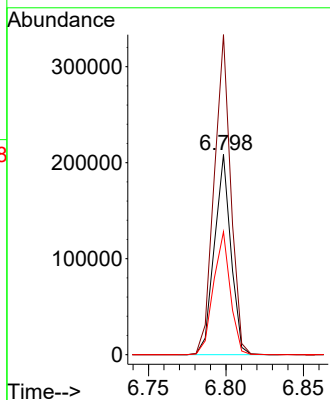
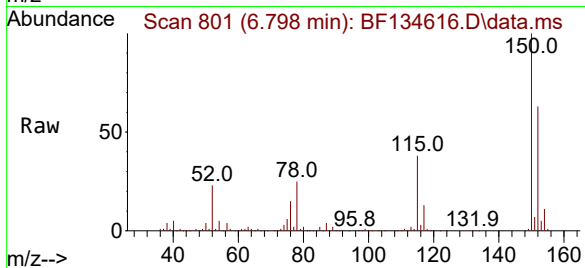




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

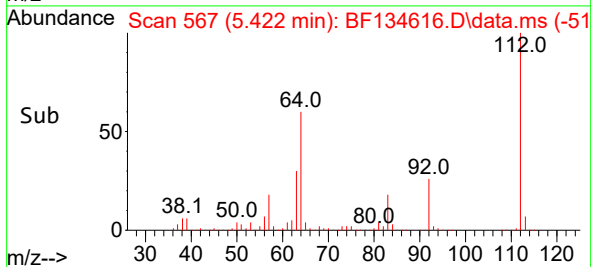
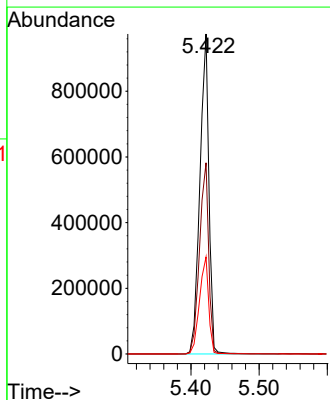
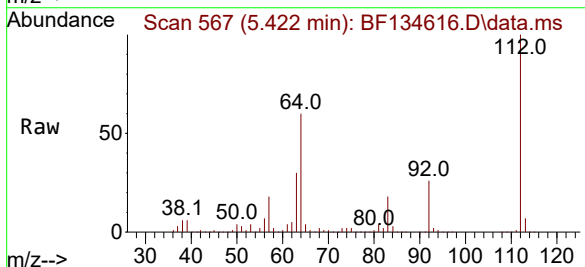
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BNA_F
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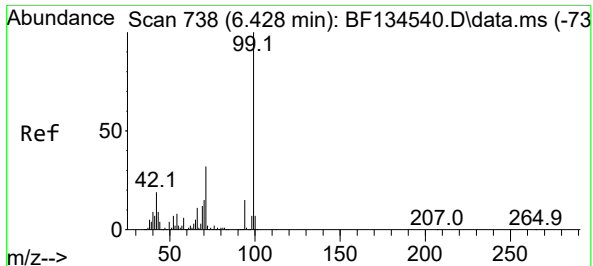
Tgt Ion:152 Resp: 154261
Ion Ratio Lower Upper
152 100
150 159.9 128.3 192.5
115 61.4 52.4 78.6



#5
2-Fluorophenol
Concen: 88.512 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

Tgt Ion:112 Resp: 898230
Ion Ratio Lower Upper
112 100
64 59.8 44.9 67.3
63 30.3 25.4 38.0

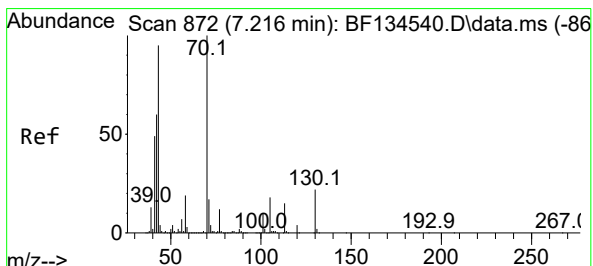
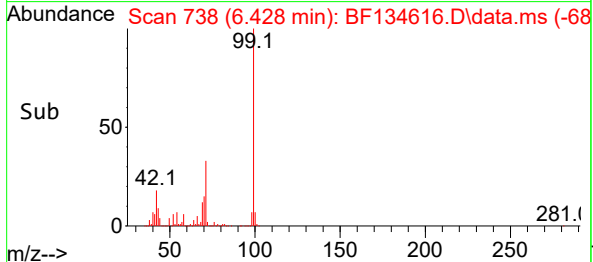
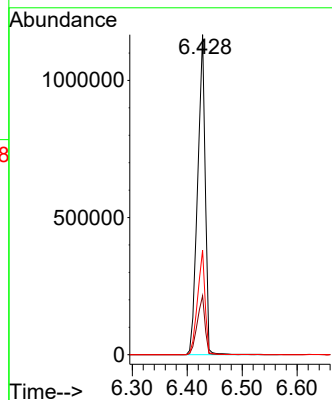
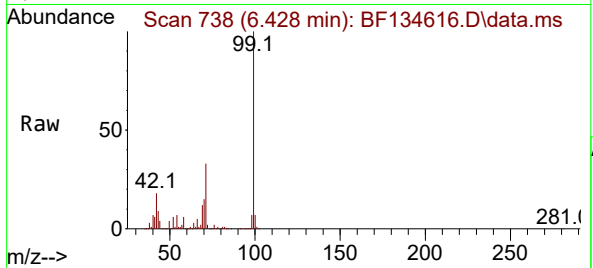




#7
Phenol-d6
Concen: 86.591 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

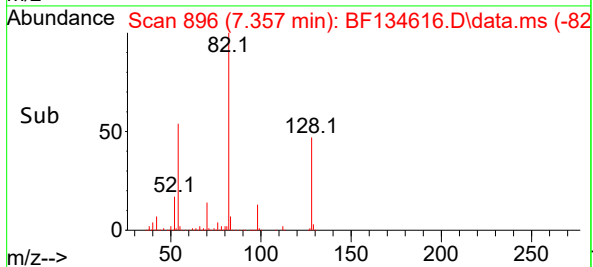
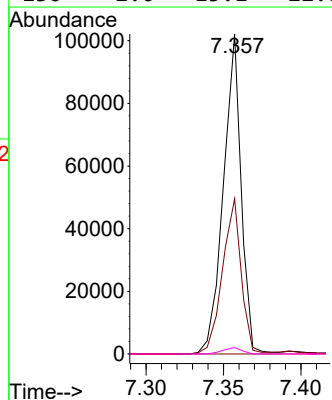
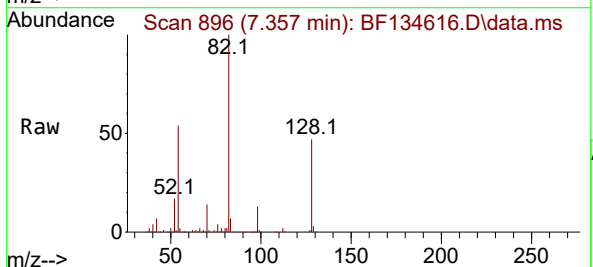
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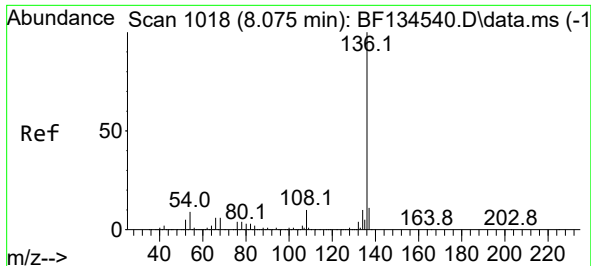
Tgt Ion: 99 Resp: 1123285
Ion Ratio Lower Upper
99 100
42 18.4 18.7 28.1#
71 32.7 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.506 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

Tgt Ion: 70 Resp: 81598
Ion Ratio Lower Upper
70 100
42 48.5 54.7 82.1#
101 0.0 8.2 12.2#
130 2.0 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF134616.D

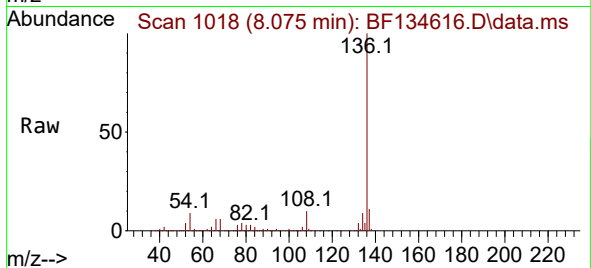
Acq: 03 Aug 2023 17:17

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP



Tgt Ion:136 Resp: 544387

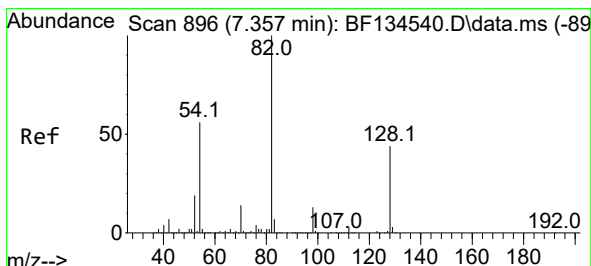
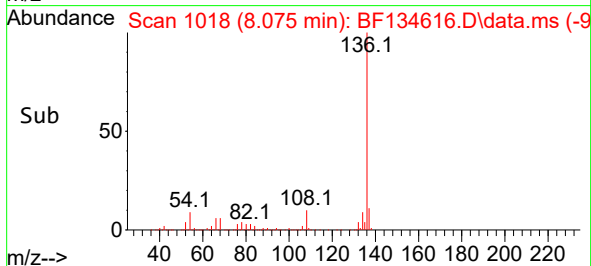
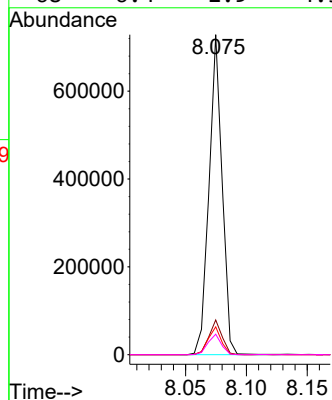
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.7 5.2 7.8#

68 6.4 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 70.038 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

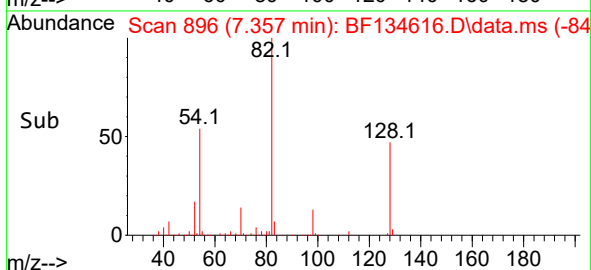
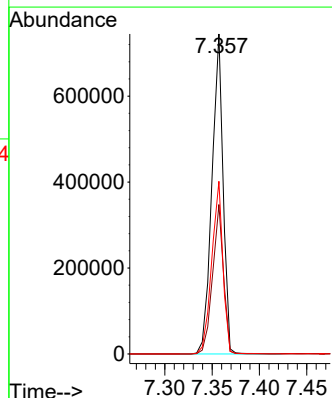
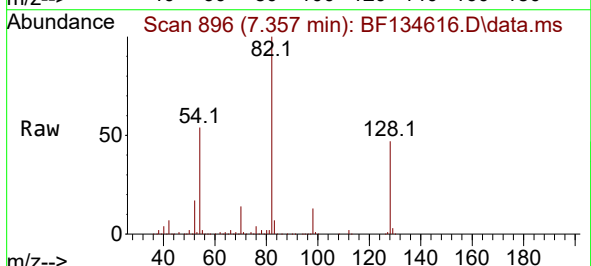
Tgt Ion: 82 Resp: 610118

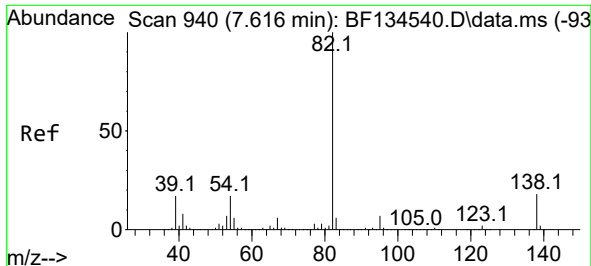
Ion Ratio Lower Upper

82 100

128 46.7 34.3 51.5

54 53.9 43.8 65.6

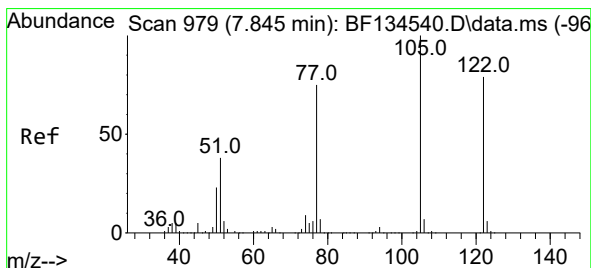
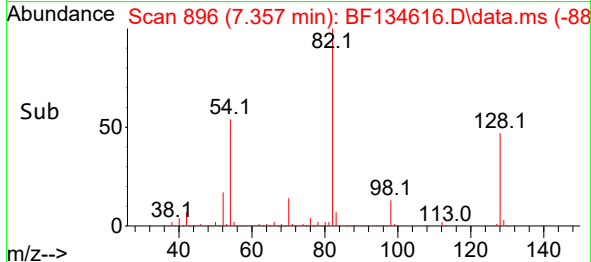
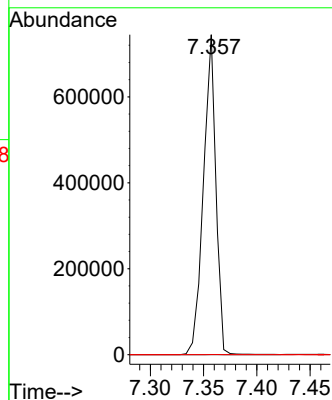
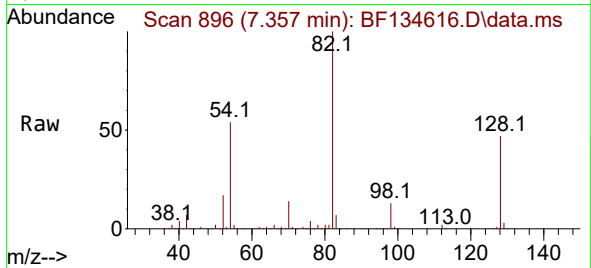




#25
Isophorone
Concen: 32.053 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.259 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

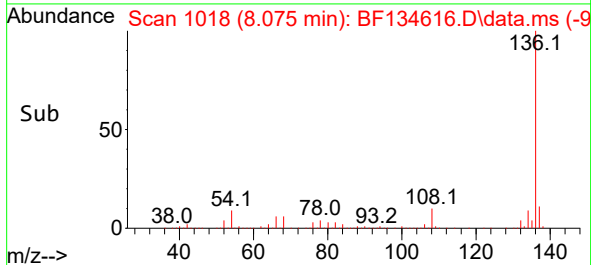
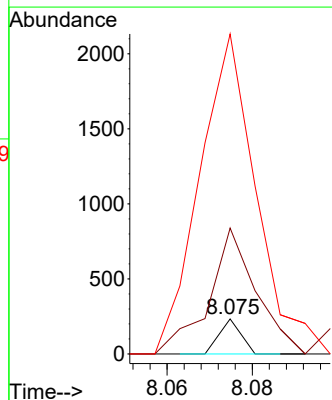
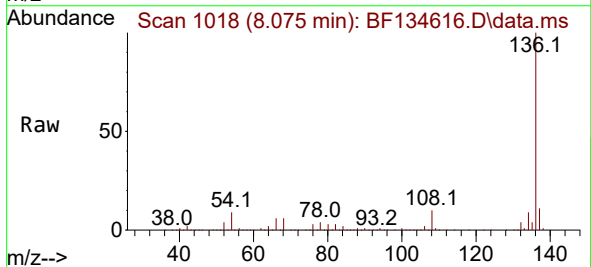
Instrument :
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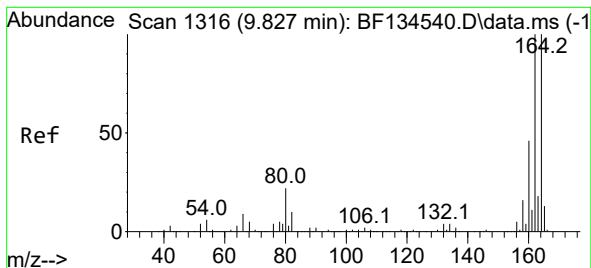
Tgt Ion: 82 Resp: 609014
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.880 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.230 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

Tgt Ion: 122 Resp: 82
Ion Ratio Lower Upper
122 100
105 360.1 87.5 127.5#
77 915.0 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134616.D

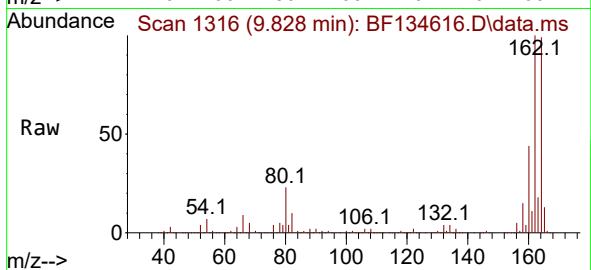
Acq: 03 Aug 2023 17:17

Instrument :

BNA_F

ClientSampleId :

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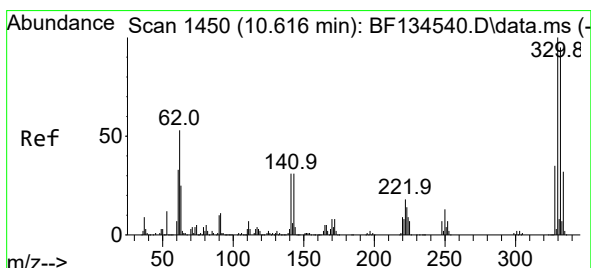
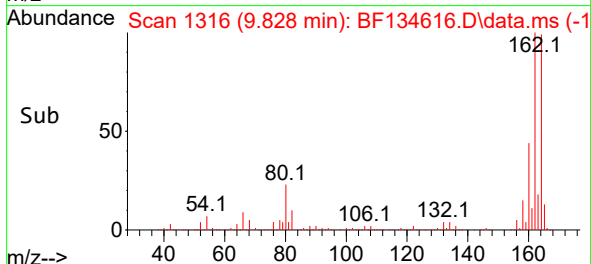
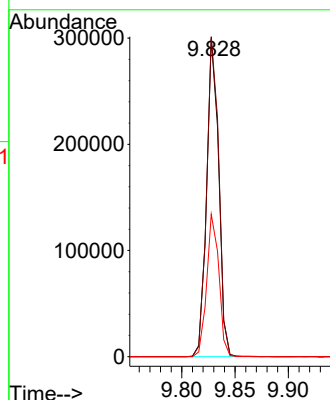
Tgt Ion:164 Resp: 236511

Ion Ratio Lower Upper

164 100

162 100.6 82.6 123.8

160 44.8 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 98.423 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

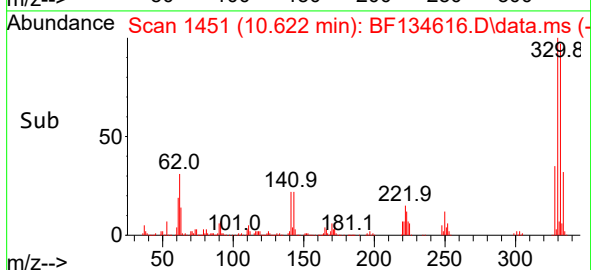
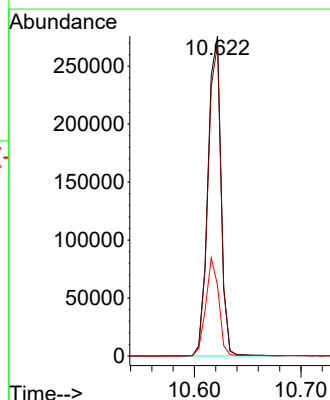
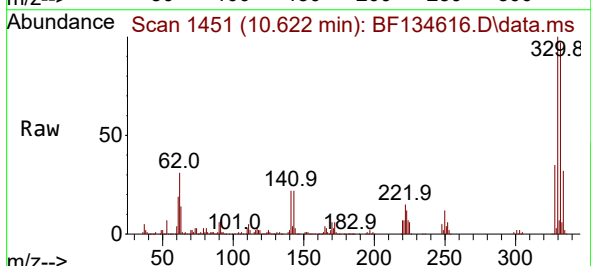
Tgt Ion:330 Resp: 237299

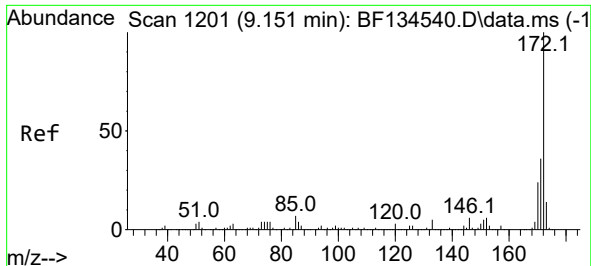
Ion Ratio Lower Upper

330 100

332 96.8 78.8 118.2

141 30.6 25.4 38.2

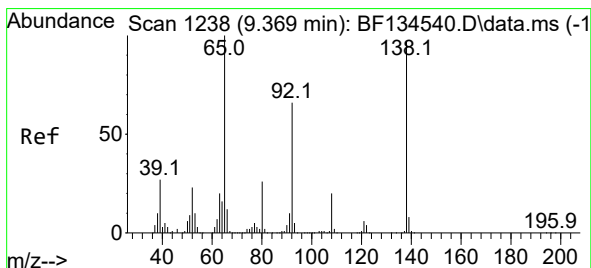
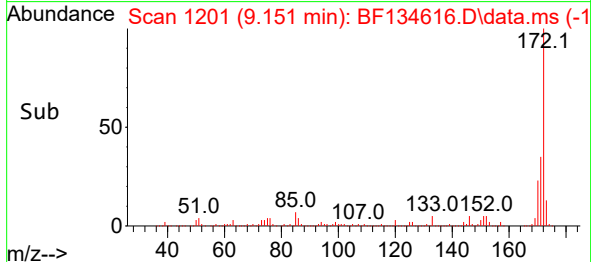
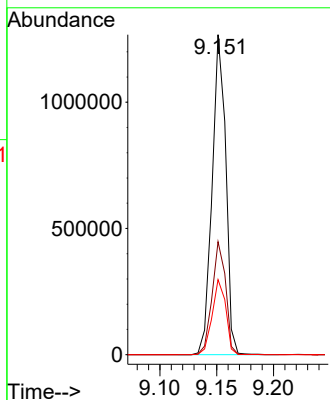
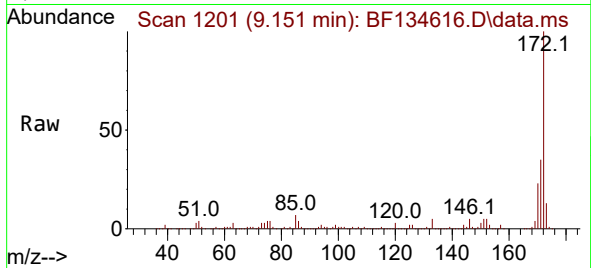




#45
2-Fluorobiphenyl
Concen: 74.373 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

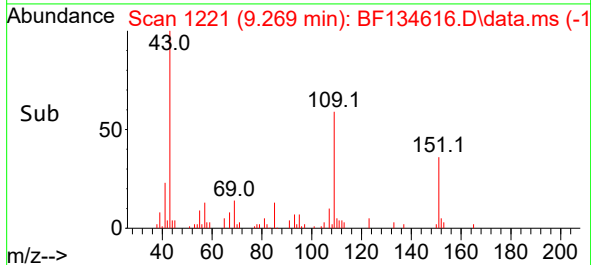
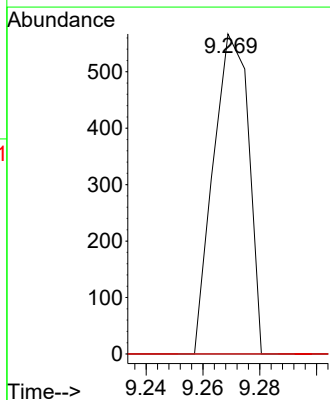
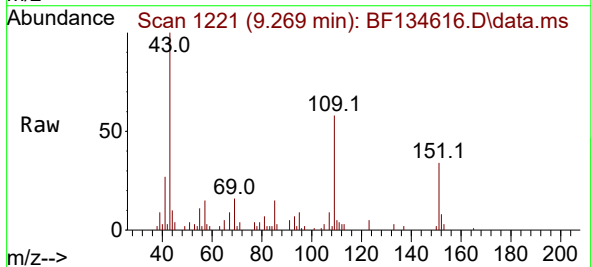
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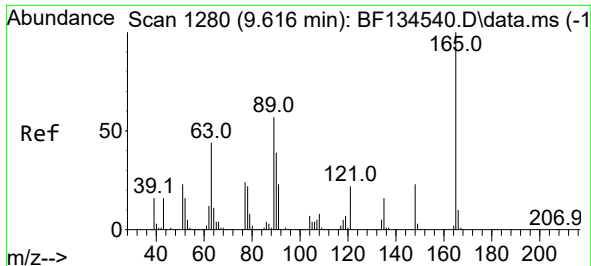
Tgt Ion:172 Resp: 1057926
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 18.7 28.1



#48
2-Nitroaniline
Concen: 3.272 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.100 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

Tgt Ion: 65 Resp: 488
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#

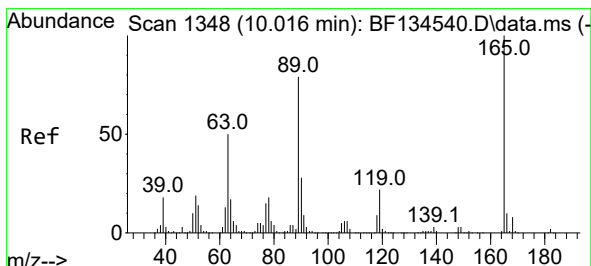
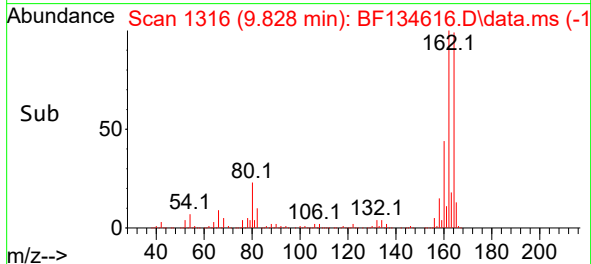
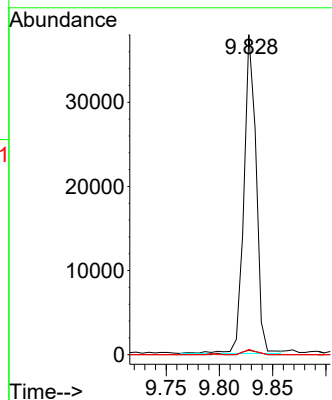
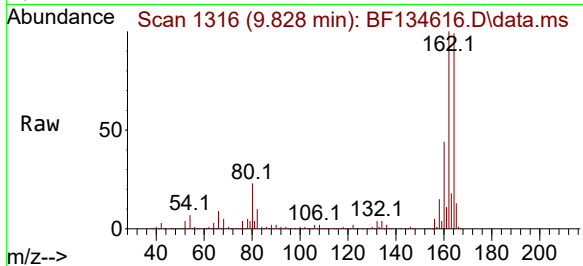




#51
2,6-Dinitrotoluene
Concen: 11.195 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

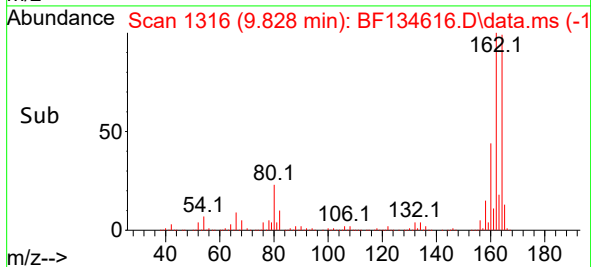
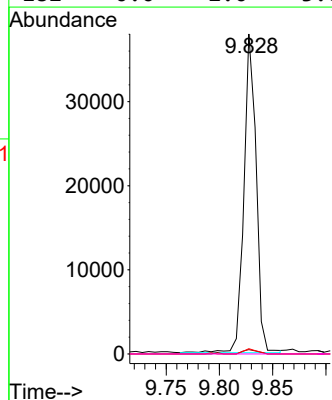
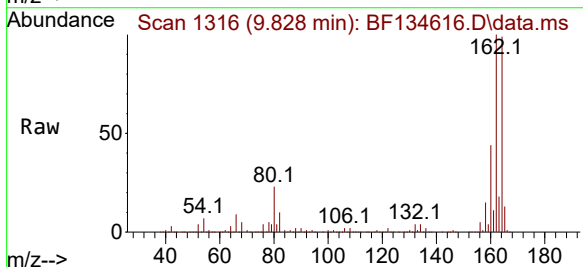
Instrument :
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ClientSampleId :
BERGENFIELD-SOIL-COMP

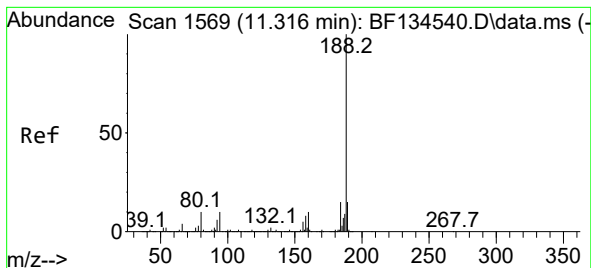
Tgt Ion:165 Resp: 30309
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.6 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 9.997 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.188 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

Tgt Ion:165 Resp: 30309
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.6 61.7 92.5#
182 0.0 2.0 3.0#

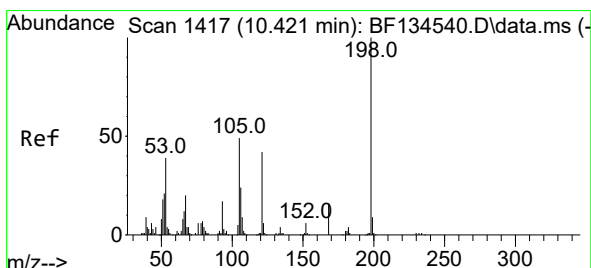
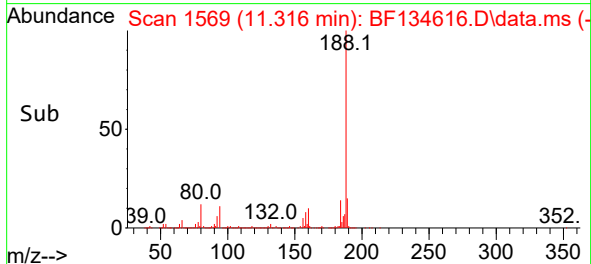
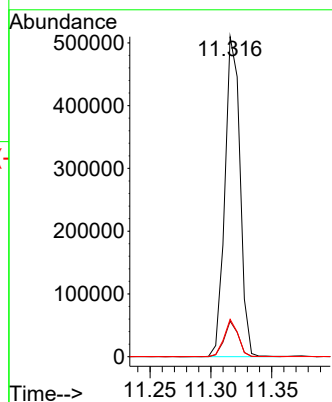
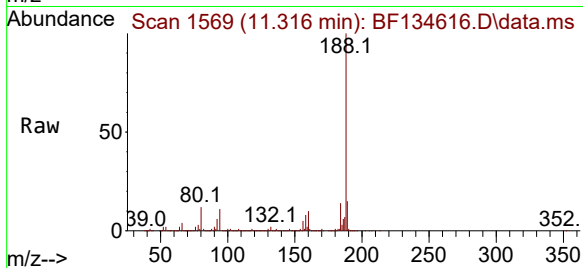




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

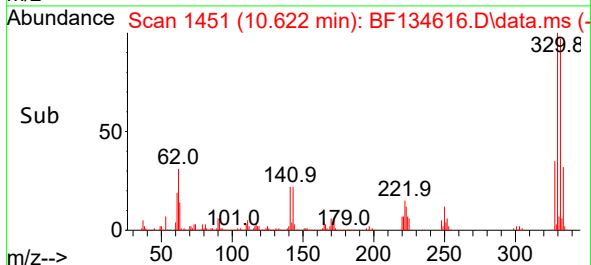
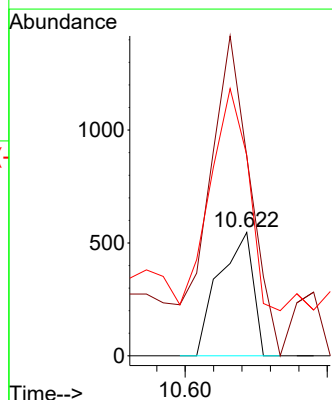
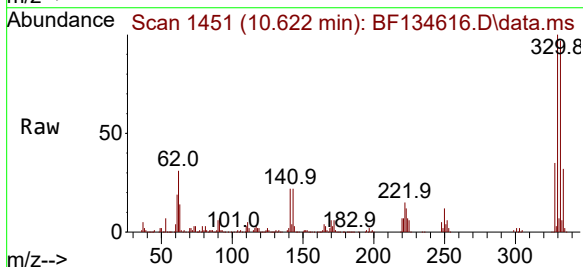
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP

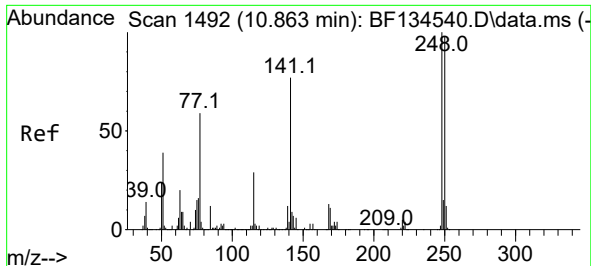
Tgt Ion:188 Resp: 442089
Ion Ratio Lower Upper
188 100
94 11.1 5.1 7.7#
80 11.7 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.908 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.201 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

Tgt Ion:198 Resp: 457
Ion Ratio Lower Upper
198 100
51 161.4 38.6 78.6#
105 162.5 27.9 67.9#

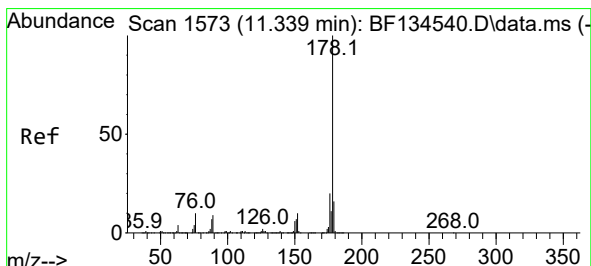
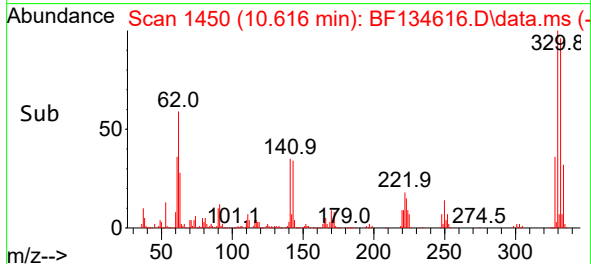
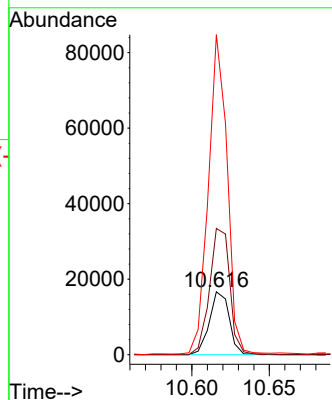
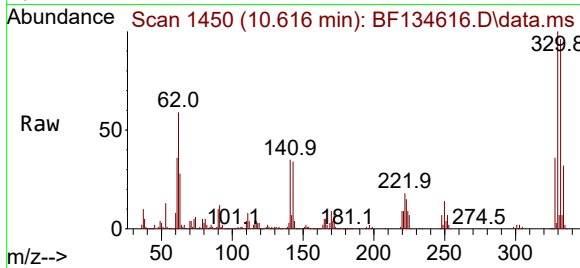




#67
4-Bromophenyl-phenylether
Concen: 3.073 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

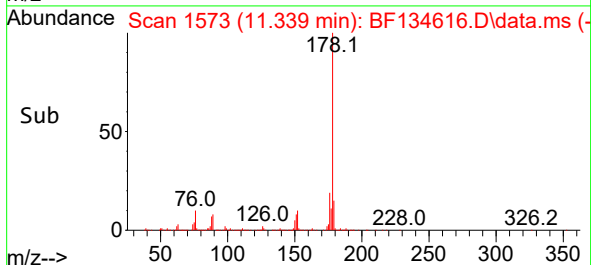
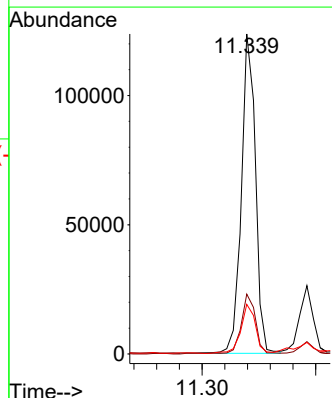
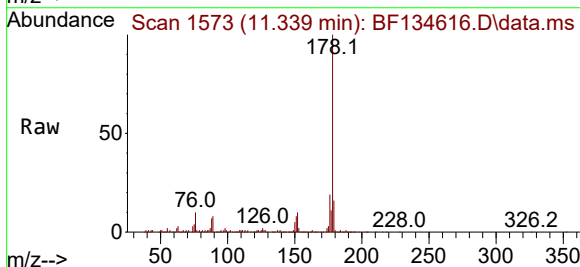
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP

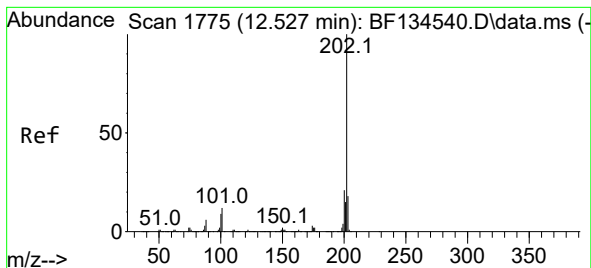
Tgt Ion:248 Resp: 14871
Ion Ratio Lower Upper
248 100
250 200.6 79.6 119.4#
141 508.6 59.6 89.4#



#71
Phenanthrene
Concen: 4.534 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:17

Tgt Ion:178 Resp: 106474
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.5 12.7 19.1





#75

Fluoranthene

Concen: 7.383 ng

RT: 12.533 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

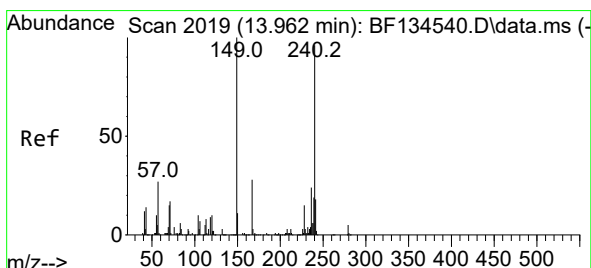
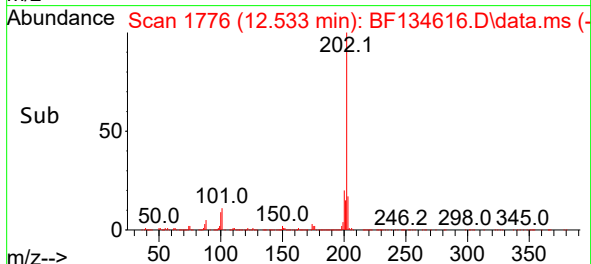
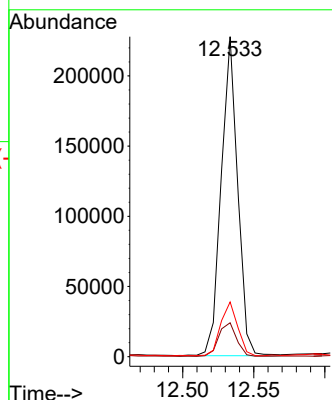
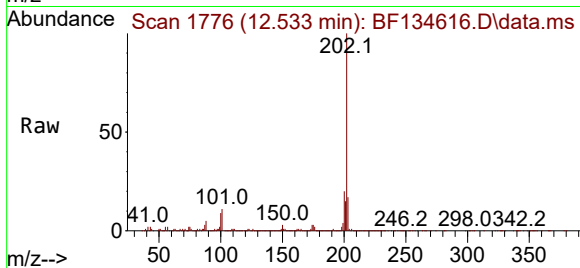
Tgt Ion:202 Resp: 183131

Ion Ratio Lower Upper

202 100

101 10.6 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. 0.000 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

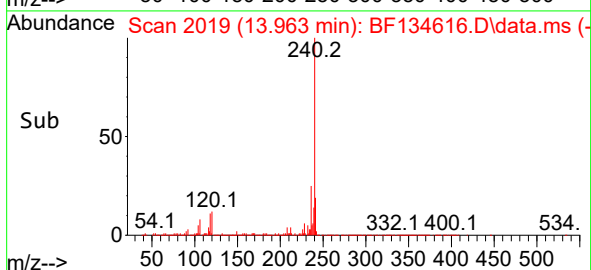
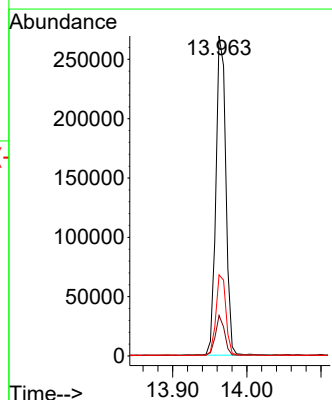
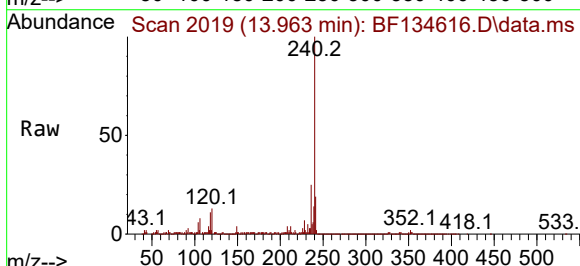
Tgt Ion:240 Resp: 249458

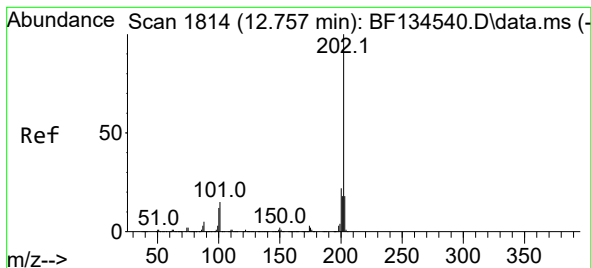
Ion Ratio Lower Upper

240 100

120 12.7 6.6 10.0#

236 25.4 20.2 30.2





#78

Pyrene

Concen: 7.273 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

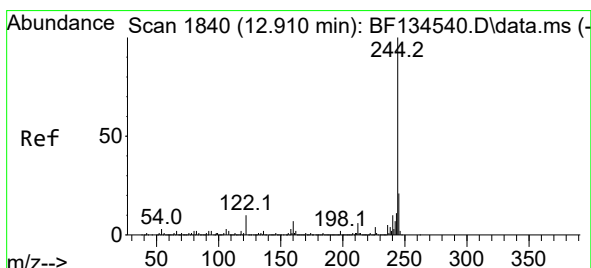
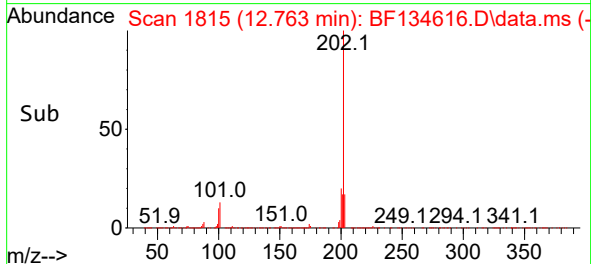
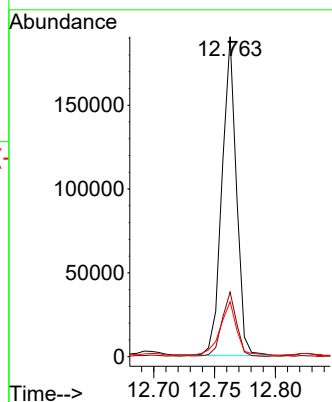
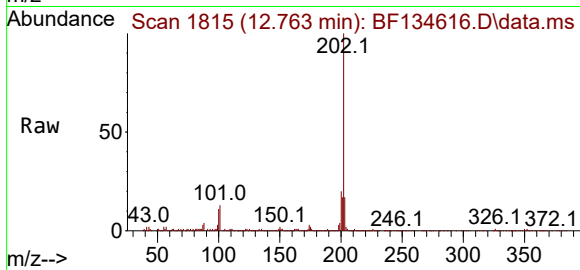
Tgt Ion:202 Resp: 157005

Ion Ratio Lower Upper

202 100

200 20.2 15.8 23.8

203 17.2 13.5 20.3



#79

Terphenyl-d14

Concen: 82.754 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

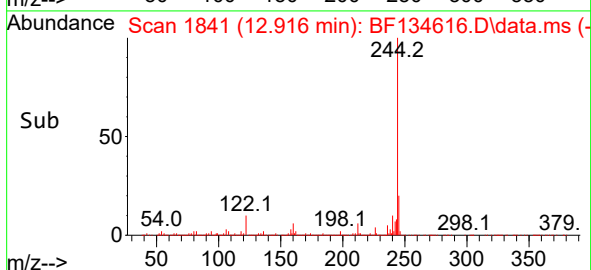
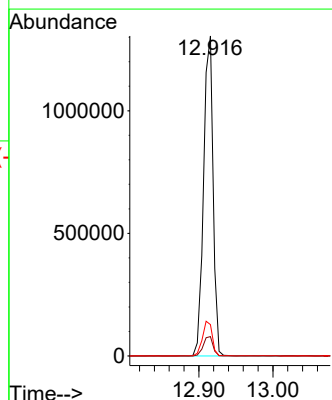
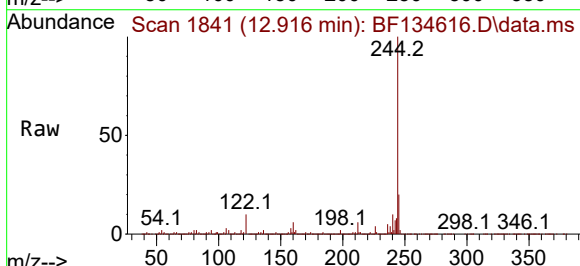
Tgt Ion:244 Resp: 1171022

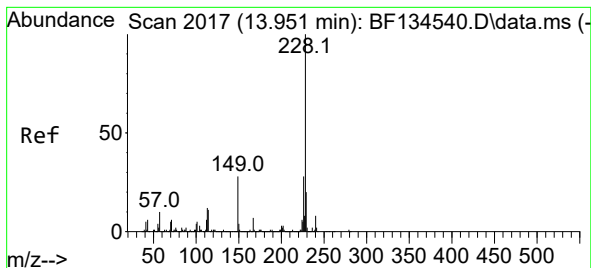
Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 9.8 8.0 12.0





#81

Benzo(a)anthracene

Concen: 2.019 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

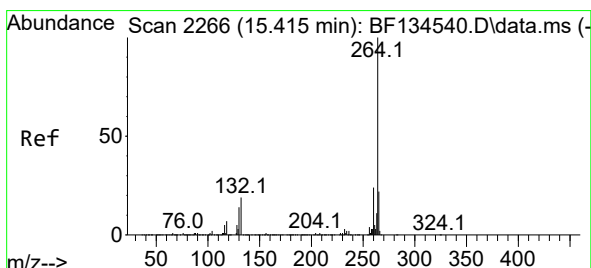
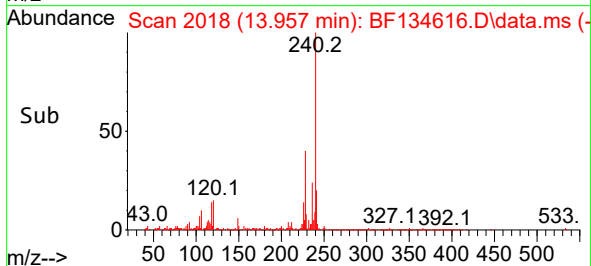
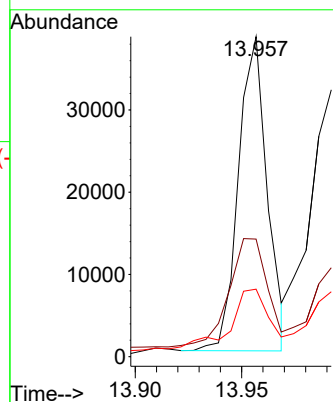
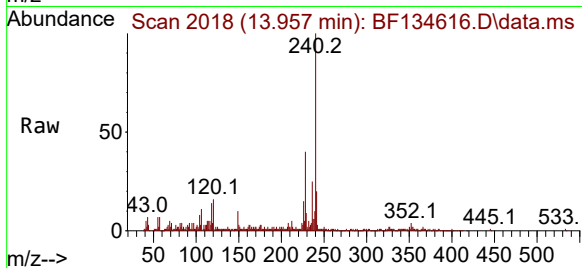
Tgt Ion:228 Resp: 36006

Ion Ratio Lower Upper

228 100

226 36.8 22.3 33.5#

229 21.1 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.018 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

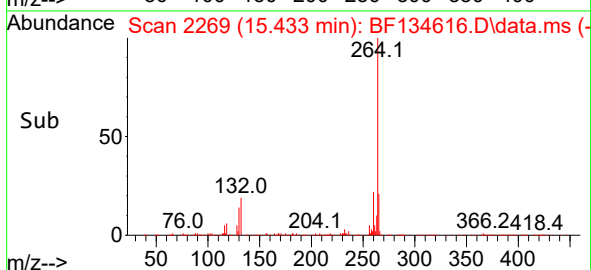
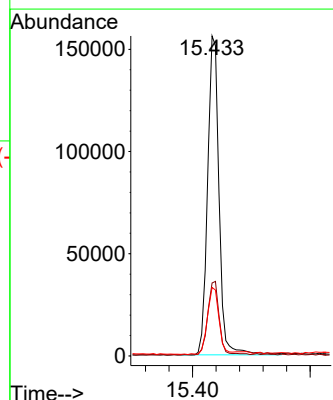
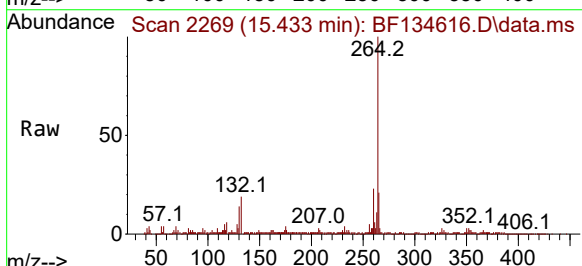
Tgt Ion:264 Resp: 211506

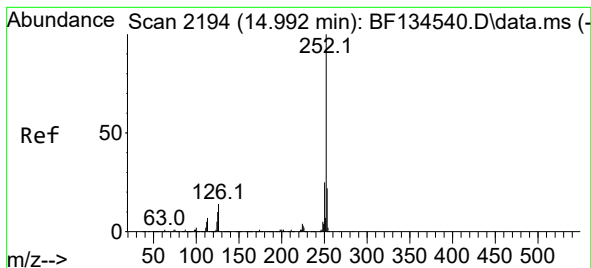
Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 21.4 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.755 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

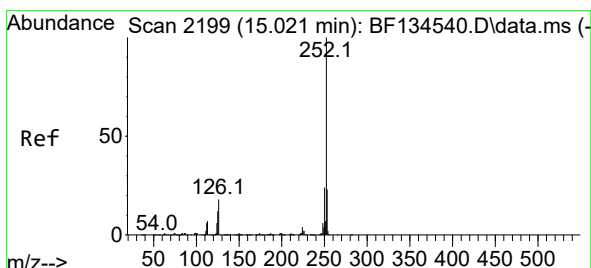
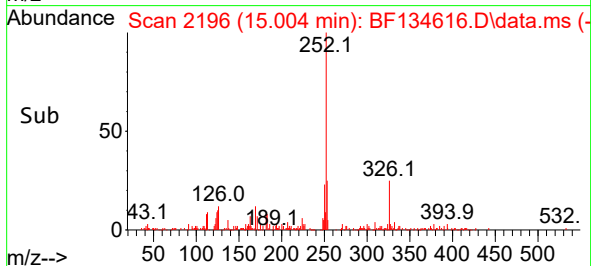
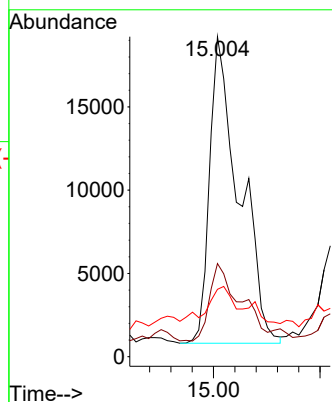
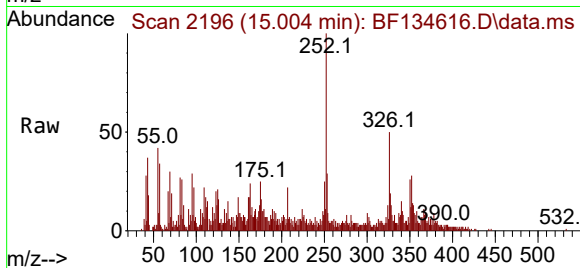
Tgt Ion:252 Resp: 35542

Ion Ratio Lower Upper

252 100

253 29.1 17.3 25.9#

125 21.1 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 2.766 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.017 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:17

Tgt Ion:252 Resp: 35542

Ion Ratio Lower Upper

252 100

253 29.1 17.9 26.9#

125 21.1 6.3 9.5#

