

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135647.D
 Acq On : 09 Oct 2023 12:29
 Operator : CG\JU
 Sample : 04778-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Quant Time: Oct 09 12:56:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	132656	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	499912	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	249859	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	496579	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	345456	20.000	ng	0.00
86) Perylene-d12	15.404	264	280610	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1058003	129.718	ng	0.02
7) Phenol-d6	6.398	99	1244508	119.998	ng	0.01
23) Nitrobenzene-d5	7.310	82	887326	96.433	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	357163	143.844	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1500005	90.575	ng	0.00
79) Terphenyl-d14	12.874	244	1702143	76.382	ng	0.01

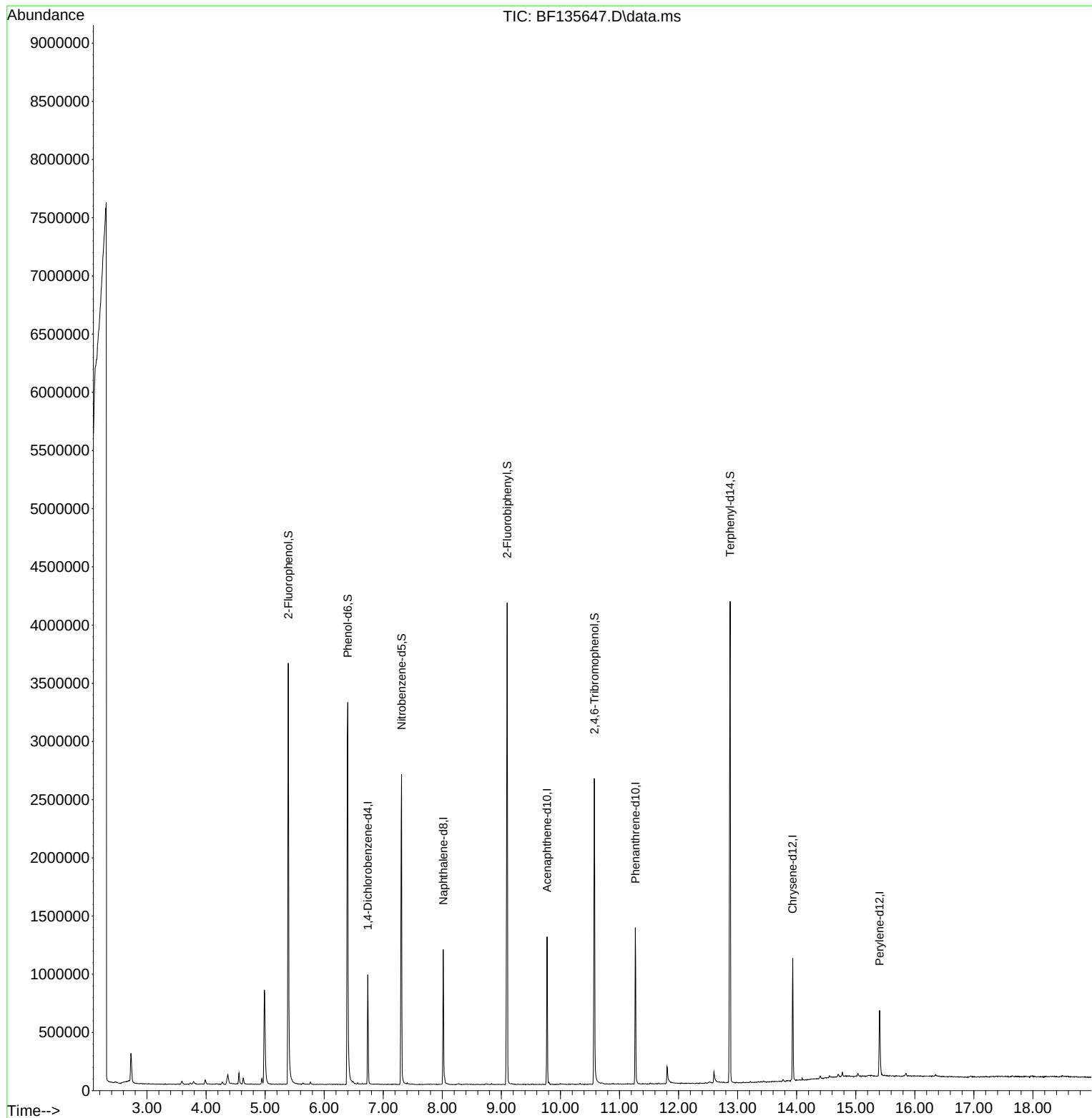
Target Compounds	Qvalue

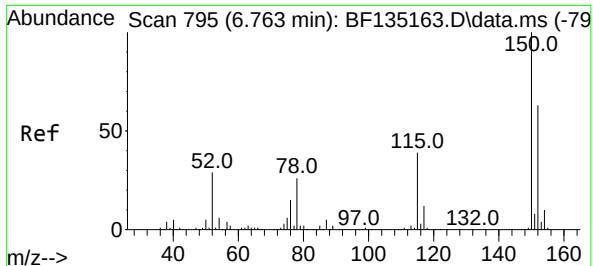
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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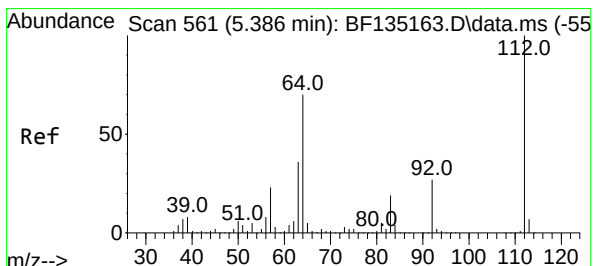
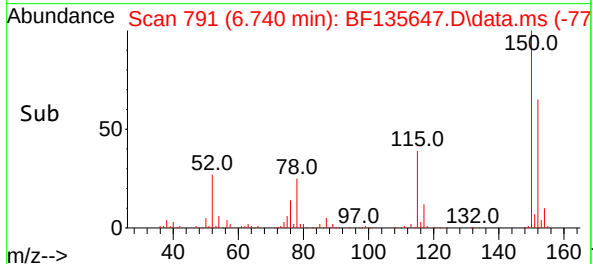
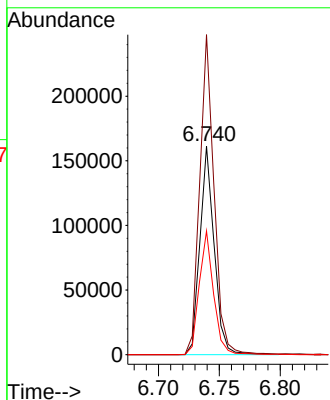
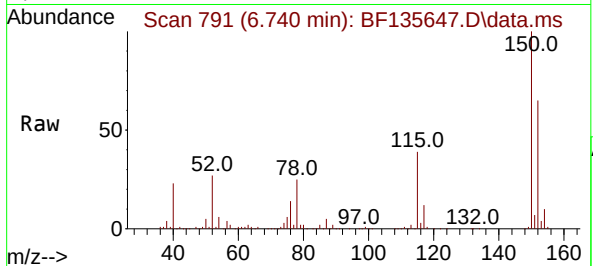




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

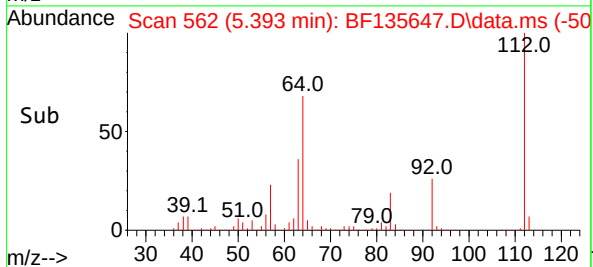
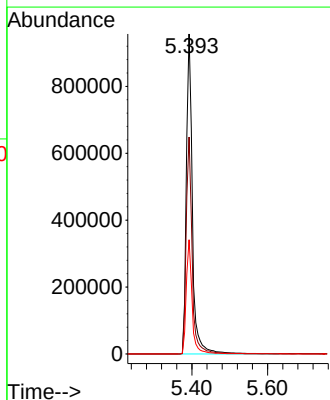
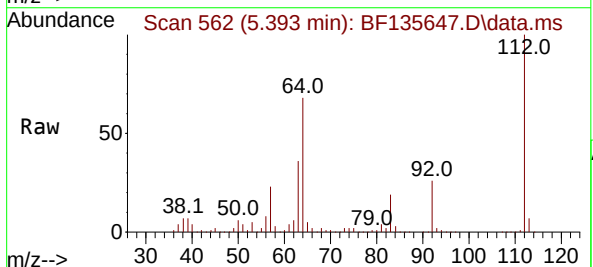
Instrument :
BNA_F
ClientSampleId :
SOIL-1

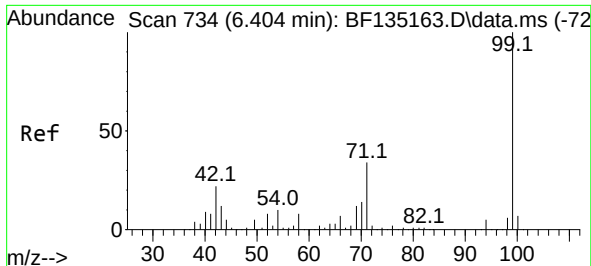
Tgt Ion:152 Resp: 132656
Ion Ratio Lower Upper
152 100
150 153.4 127.8 191.6
115 59.3 49.8 74.8



#5
2-Fluorophenol
Concen: 129.718 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.024 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion:112 Resp: 1058003
Ion Ratio Lower Upper
112 100
64 67.8 55.9 83.9
63 35.7 29.0 43.6

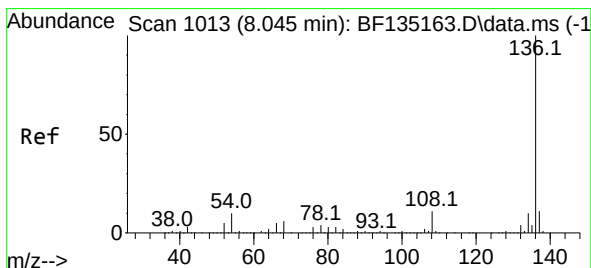
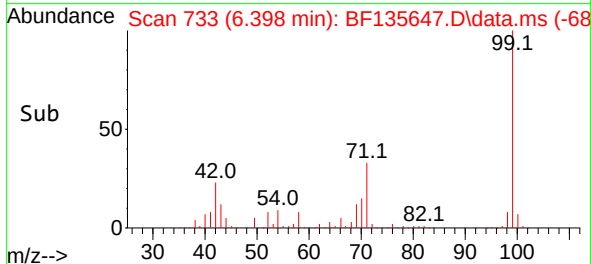
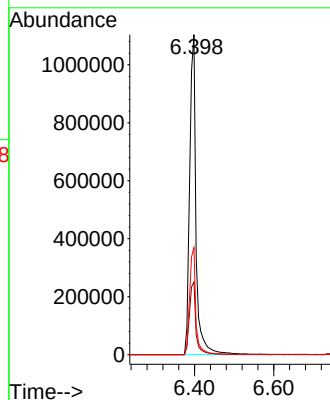
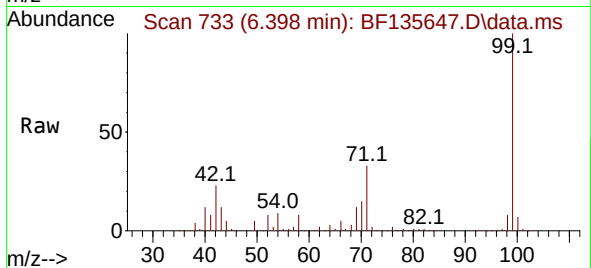




#7
Phenol-d6
Concen: 119.998 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

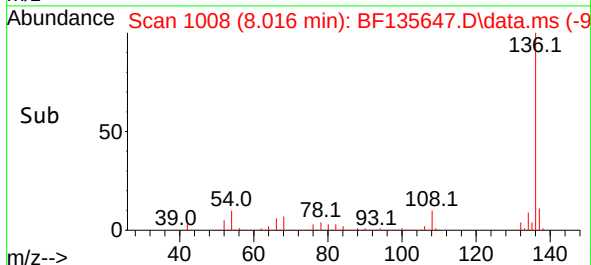
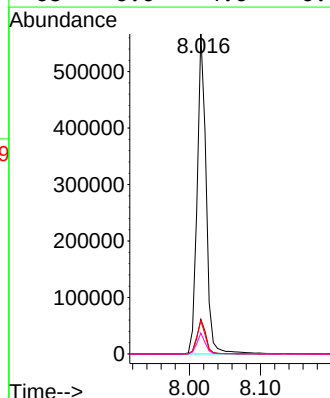
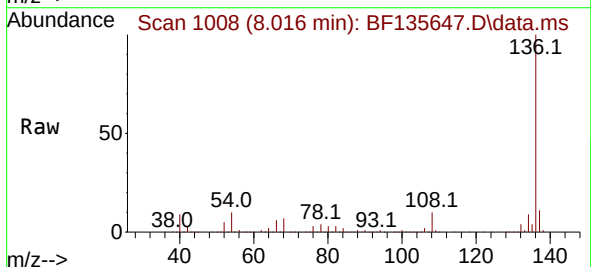
Instrument :
BNA_F
ClientSampleId :
SOIL-1

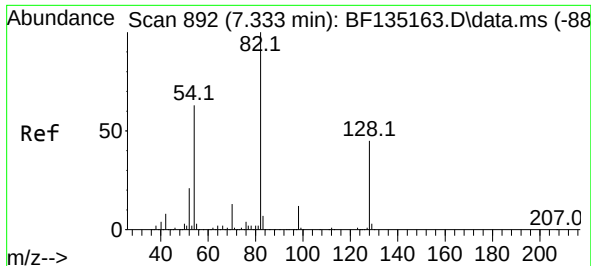
Tgt Ion: 99 Resp: 1244508
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 33.4 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135647.D
Acq: 09 Oct 2023 12:29

Tgt Ion: 136 Resp: 499912
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.3 7.7 11.5
68 6.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 96.433 ng

RT: 7.310 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

Instrument :

BNA_F

ClientSampleId :

SOIL-1

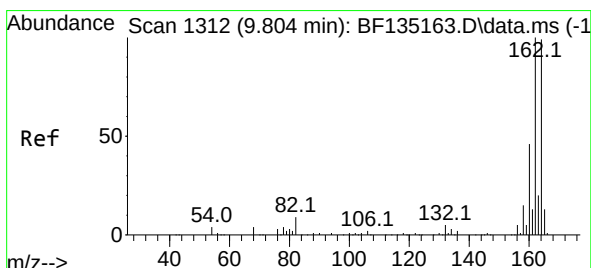
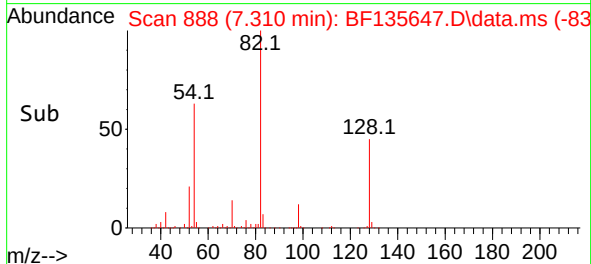
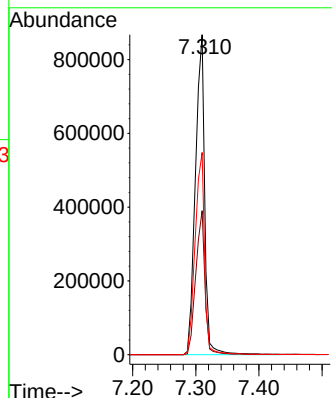
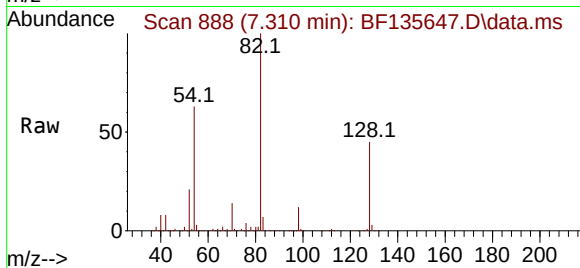
Tgt Ion: 82 Resp: 887326

Ion Ratio Lower Upper

82 100

128 45.0 35.8 53.6

54 63.2 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.000 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

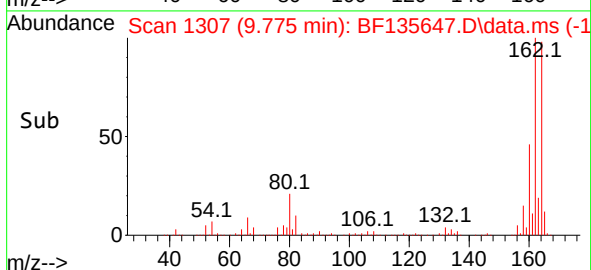
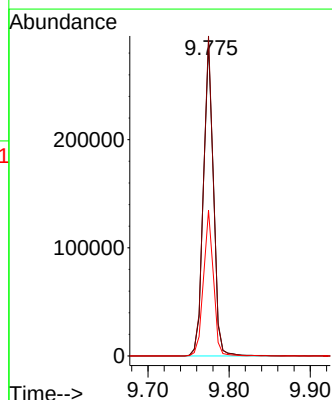
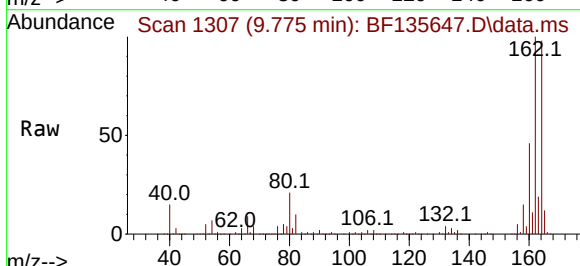
Tgt Ion:164 Resp: 249859

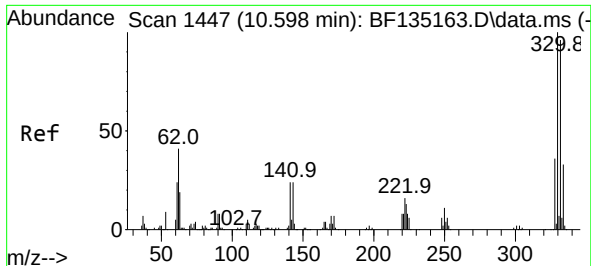
Ion Ratio Lower Upper

164 100

162 102.3 81.0 121.4

160 46.5 37.0 55.4

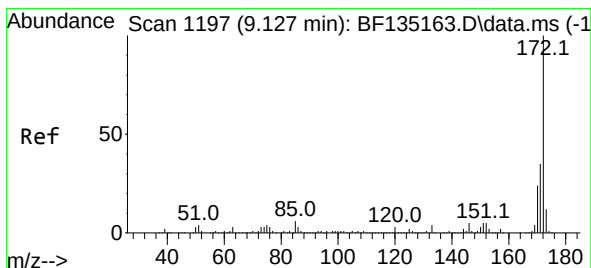
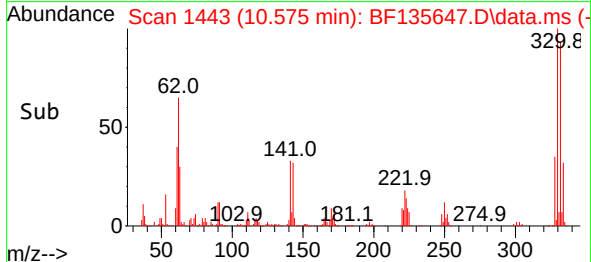
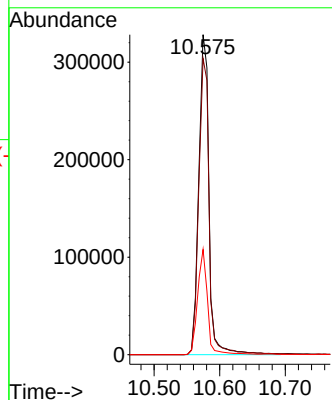
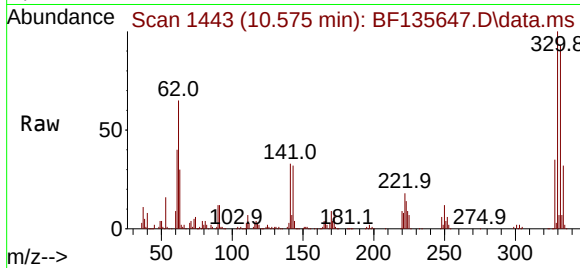




#42
 2,4,6-Tribromophenol
 Concen: 143.844 ng
 RT: 10.575 min Scan# 1443
 Delta R.T. 0.006 min
 Lab File: BF135647.D
 Acq: 09 Oct 2023 12:29

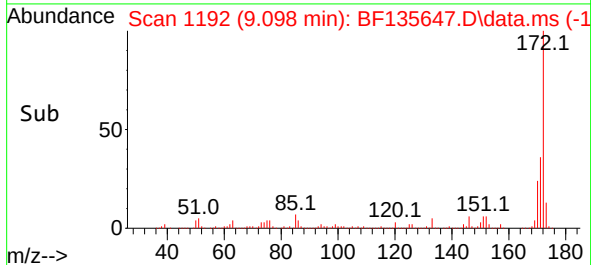
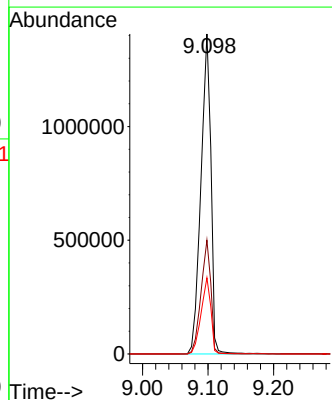
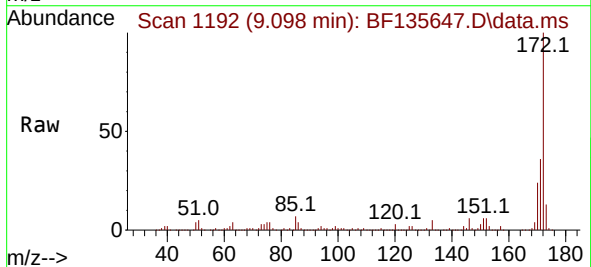
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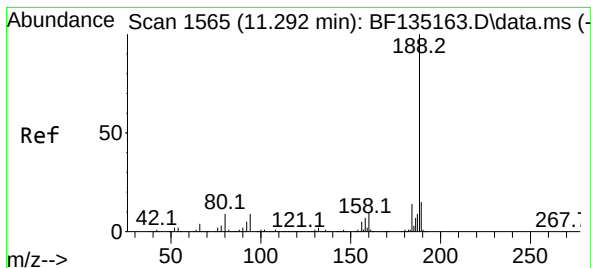
Tgt Ion: 330 Resp: 357163
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.3 115.9
 141 31.9 25.8 38.8



#45
 2-Fluorobiphenyl
 Concen: 90.575 ng
 RT: 9.098 min Scan# 1192
 Delta R.T. 0.000 min
 Lab File: BF135647.D
 Acq: 09 Oct 2023 12:29

Tgt Ion: 172 Resp: 1500005
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.4 42.6
 170 23.8 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

Instrument :

BNA_F

ClientSampleId :

SOIL-1

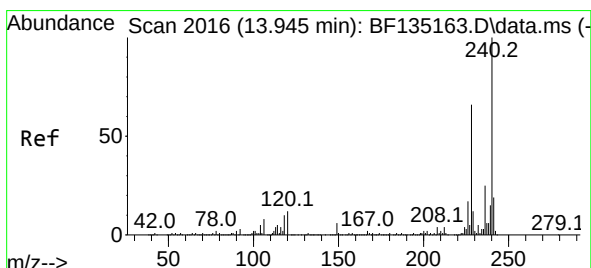
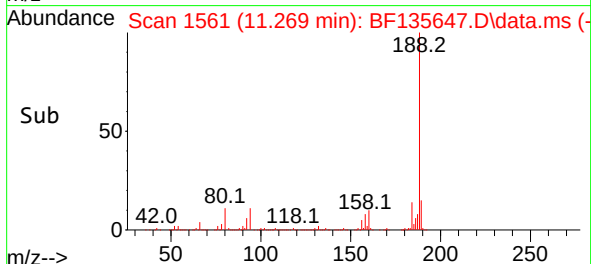
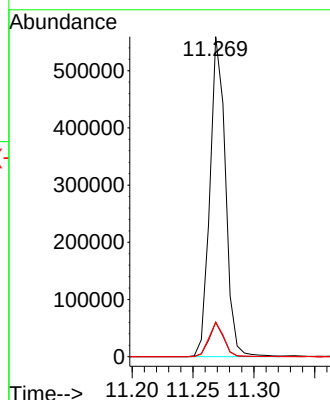
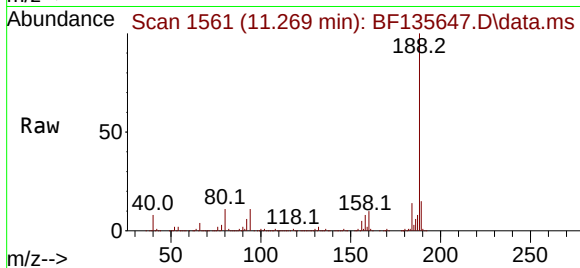
Tgt Ion:188 Resp: 496579

Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 10.9 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

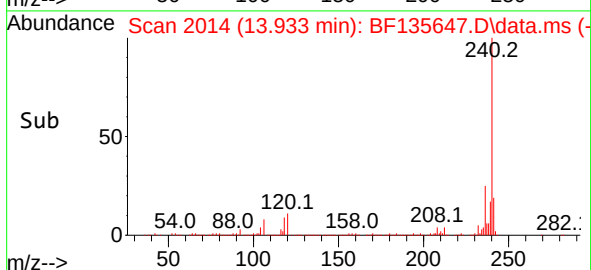
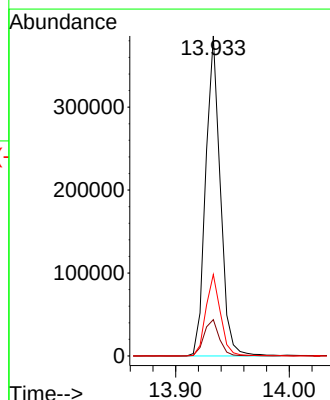
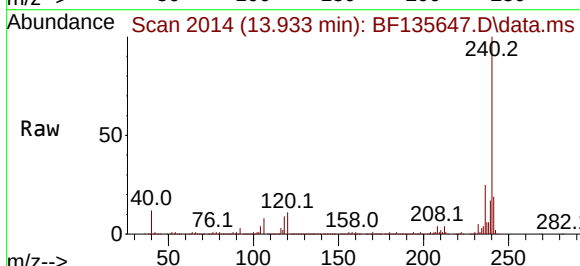
Tgt Ion:240 Resp: 345456

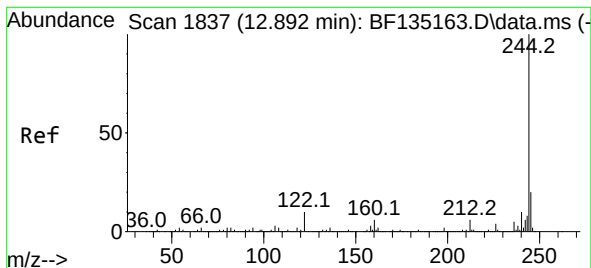
Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 25.4 19.8 29.8





#79

Terphenyl-d14

Concen: 76.382 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.012 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

Instrument :

BNA_F

ClientSampleId :

SOIL-1

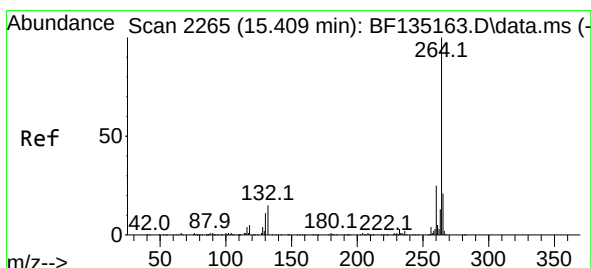
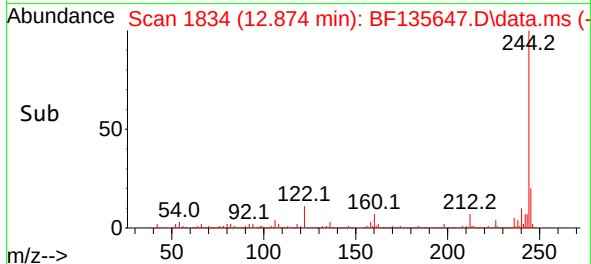
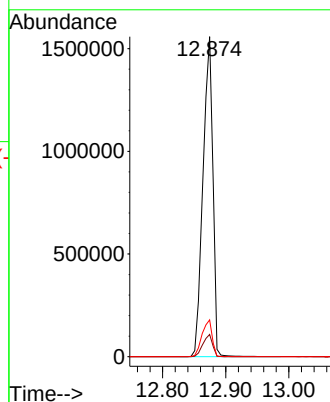
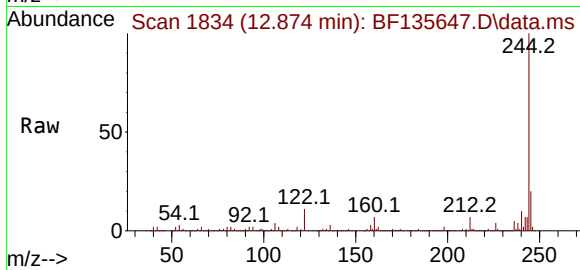
Tgt Ion:244 Resp: 1702143

Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

122 11.5 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.018 min

Lab File: BF135647.D

Acq: 09 Oct 2023 12:29

Tgt Ion:264 Resp: 280610

Ion Ratio Lower Upper

264 100

260 23.2 19.8 29.6

265 21.3 17.0 25.4

