

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135649.D
 Acq On : 09 Oct 2023 13:31
 Operator : CG\JU
 Sample : 04778-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Quant Time: Oct 09 13:51:24 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)

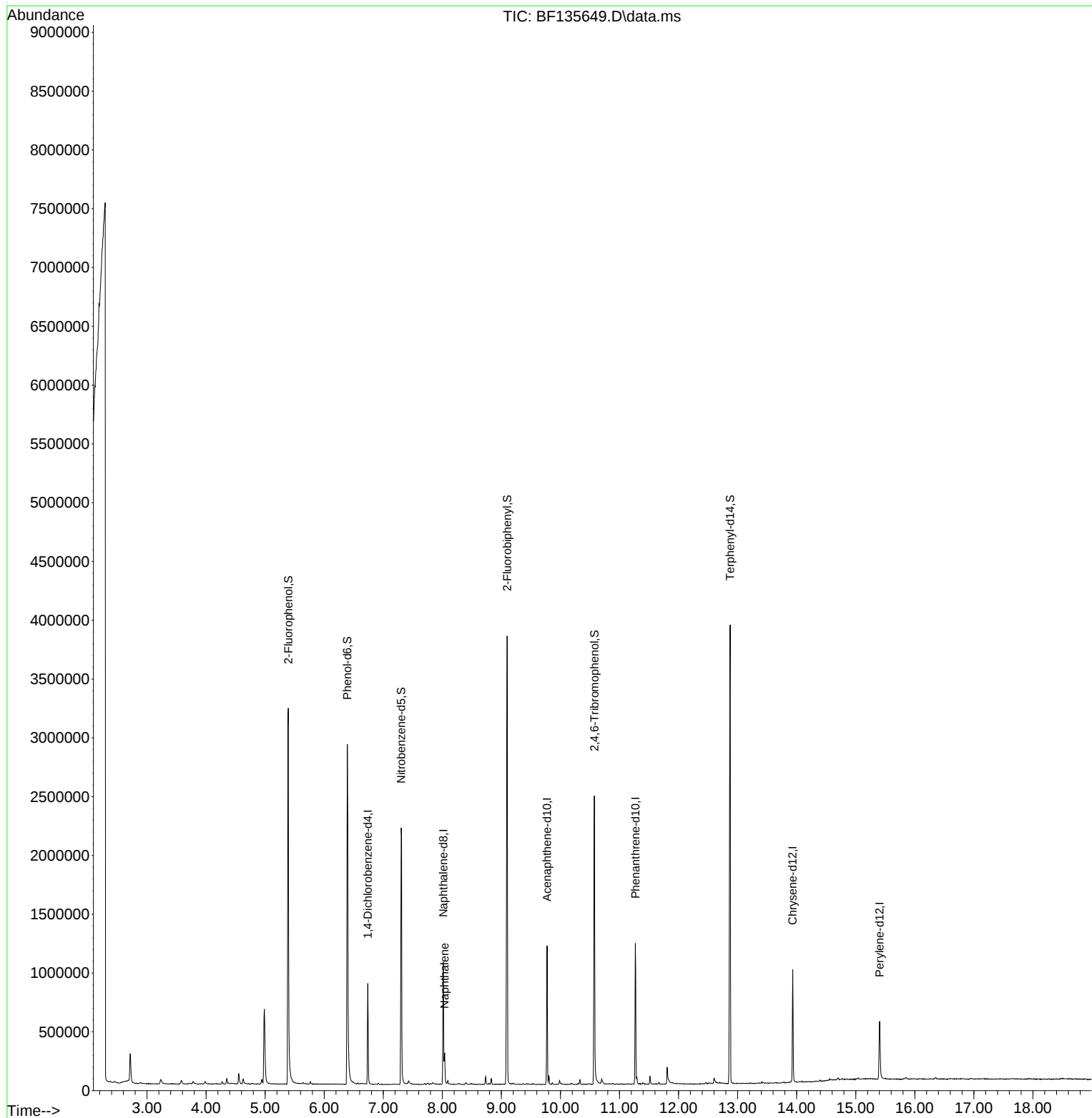
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	121323	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	452536	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	228618	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	452844	20.000	ng	0.00
76) Chrysene-d12	13.933	240	312718	20.000	ng	0.00
86) Perylene-d12	15.403	264	251115	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	975105	130.722	ng	0.02
7) Phenol-d6	6.392	99	1128893	119.018	ng	0.00
23) Nitrobenzene-d5	7.304	82	777132	93.299	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	314597	138.472	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1334624	88.076	ng	0.00
79) Terphenyl-d14	12.874	244	1519893	75.343	ng	0.01
Target Compounds						
31) Naphthalene	8.039	128	117242	5.332	ng	Qvalue 99

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

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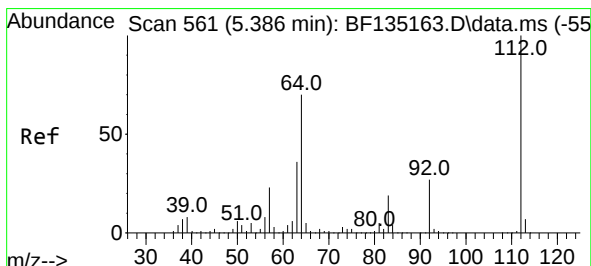
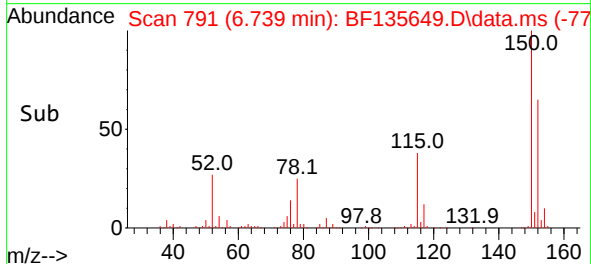
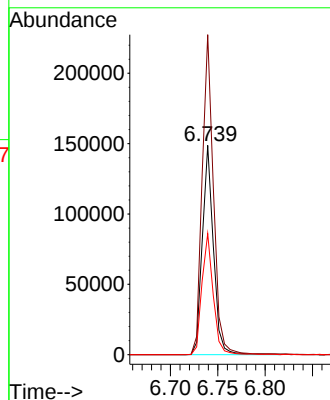
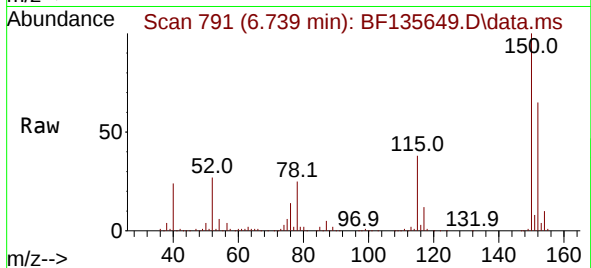




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

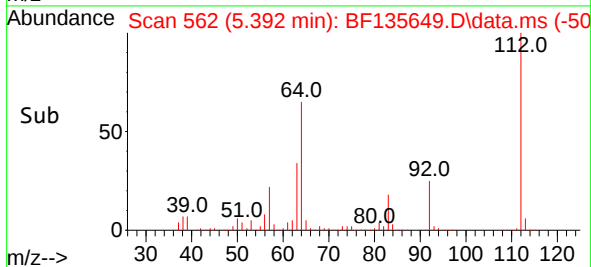
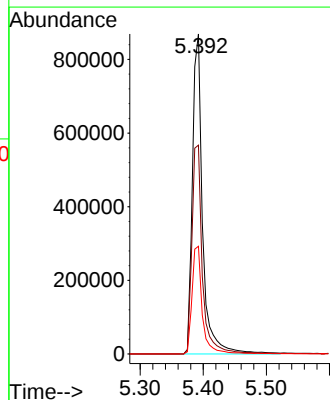
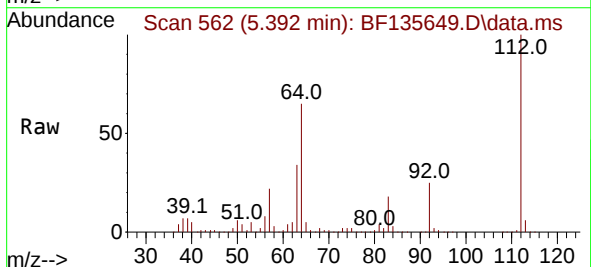
Instrument :
BNA_F
ClientSampleId :
SOIL-3

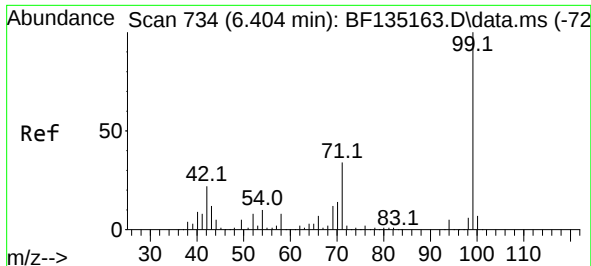
Tgt Ion:152 Resp: 121323
Ion Ratio Lower Upper
152 100
150 152.9 127.8 191.6
115 57.9 49.8 74.8



#5
2-Fluorophenol
Concen: 130.722 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.023 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:112 Resp: 975105
Ion Ratio Lower Upper
112 100
64 65.3 55.9 83.9
63 33.6 29.0 43.6





#7

Phenol-d6

Concen: 119.018 ng

RT: 6.392 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

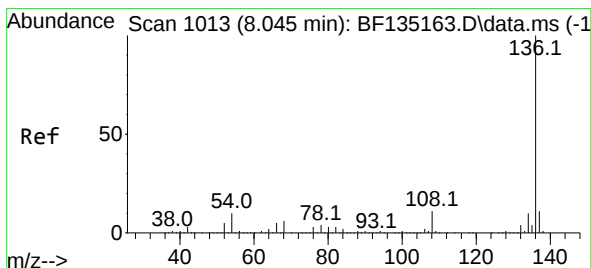
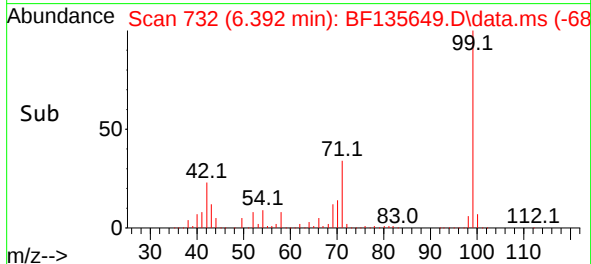
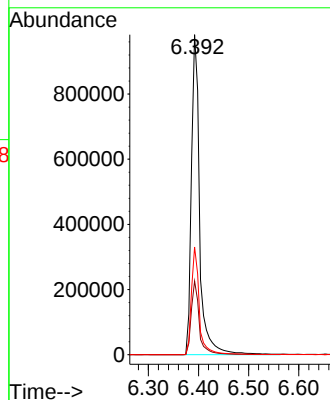
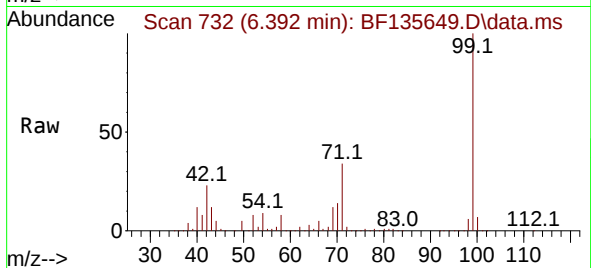
BNA_F

ClientSampleId :

SOIL-3

Tgt Ion: 99 Resp: 1128893

Ion	Ratio	Lower	Upper
99	100		
42	23.0	17.9	26.9
71	33.7	27.0	40.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

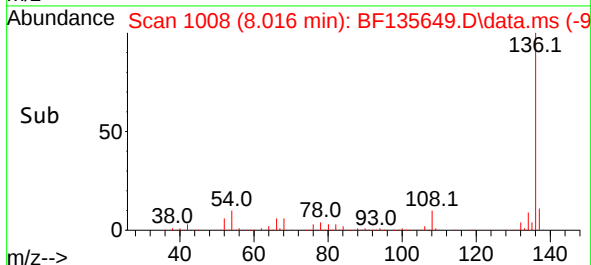
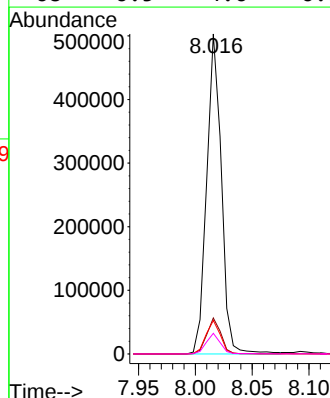
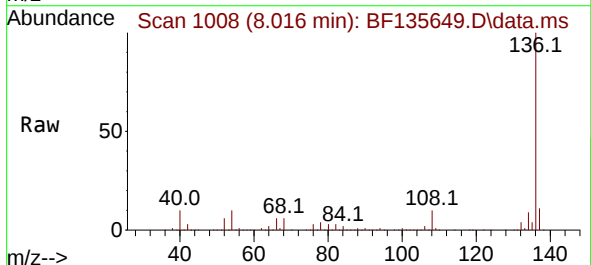
Delta R.T. -0.000 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Tgt Ion: 136 Resp: 452536

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.5	7.7	11.5
68	6.5	4.6	6.8





#23

Nitrobenzene-d5

Concen: 93.299 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

BNA_F

ClientSampleId :

SOIL-3

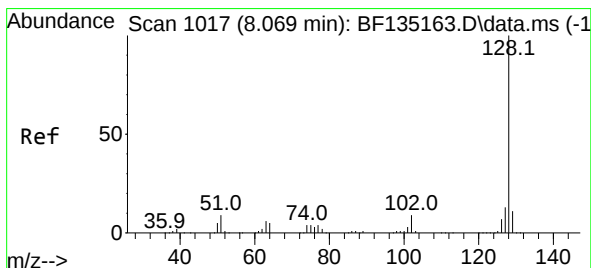
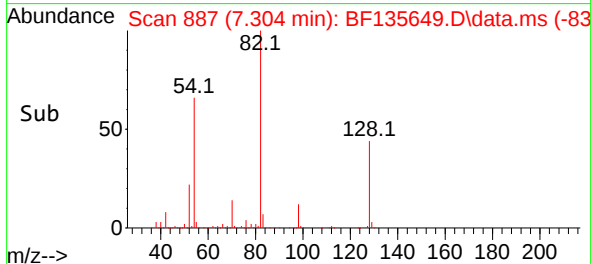
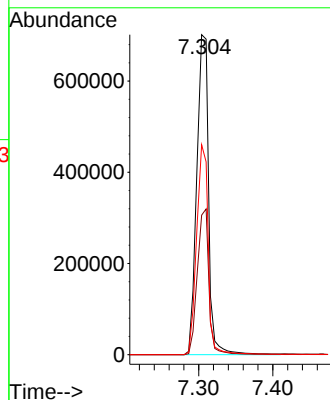
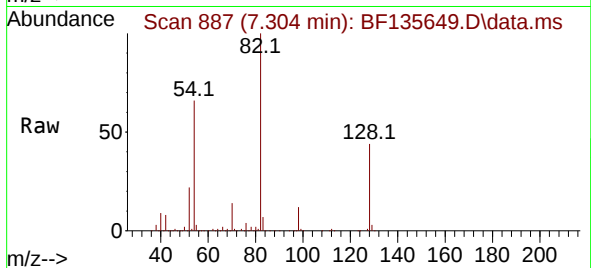
Tgt Ion: 82 Resp: 777132

Ion Ratio Lower Upper

82 100

128 43.6 35.8 53.6

54 65.6 50.6 76.0



#31

Naphthalene

Concen: 5.332 ng

RT: 8.039 min Scan# 1012

Delta R.T. -0.000 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

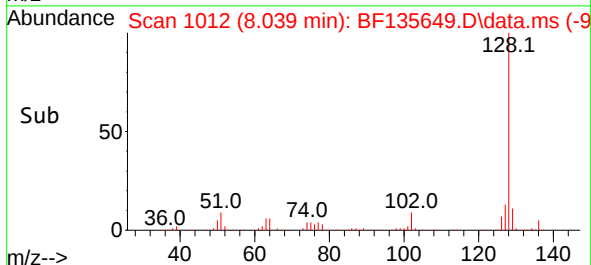
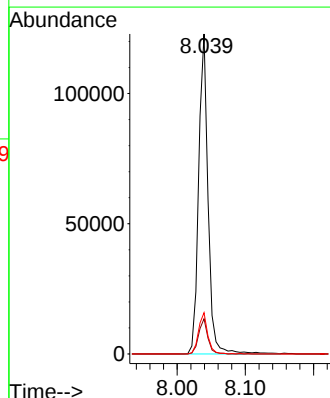
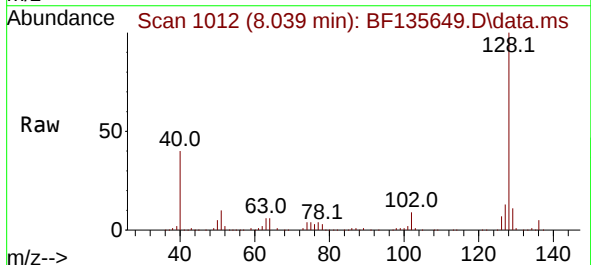
Tgt Ion: 128 Resp: 117242

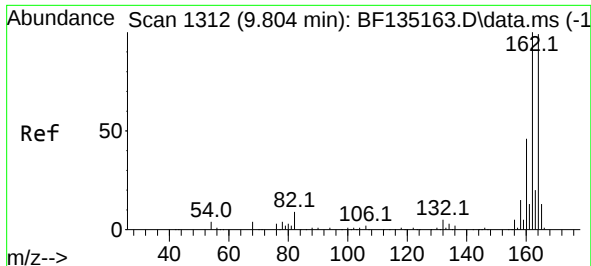
Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 12.9 10.7 16.1

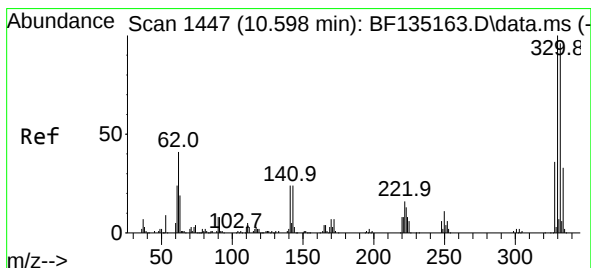
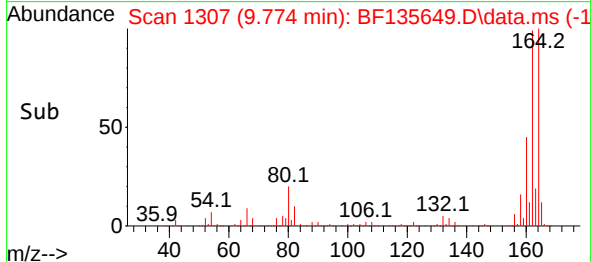
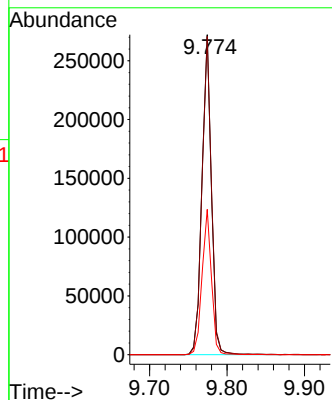
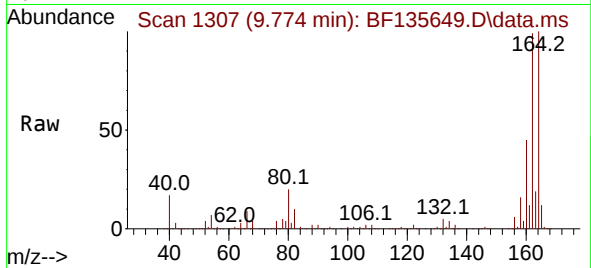




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

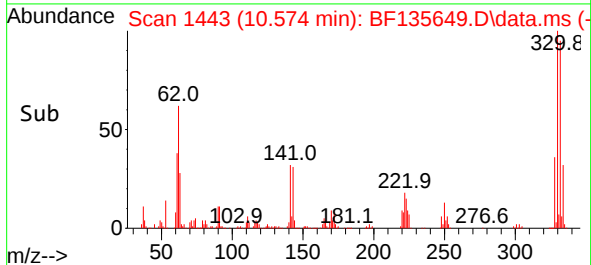
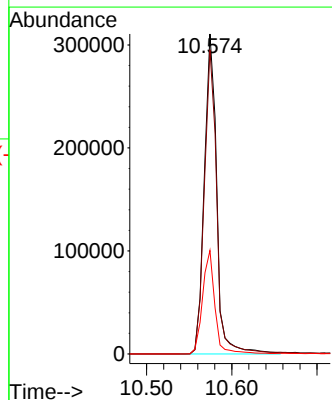
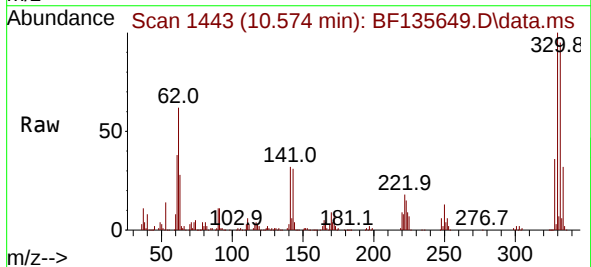
Instrument :
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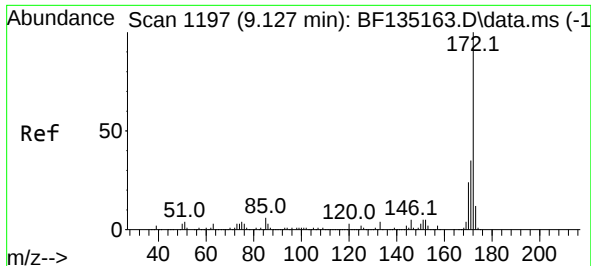
Tgt Ion:164 Resp: 228618
Ion Ratio Lower Upper
164 100
162 99.5 81.0 121.4
160 45.4 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 138.472 ng
RT: 10.574 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:330 Resp: 314597
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 32.3 25.8 38.8

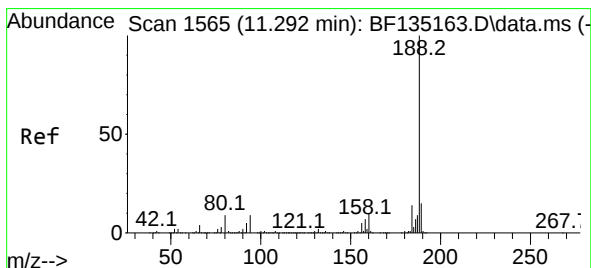
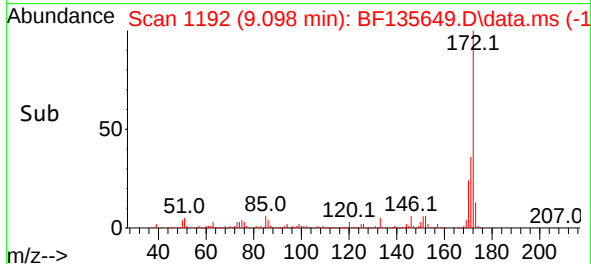
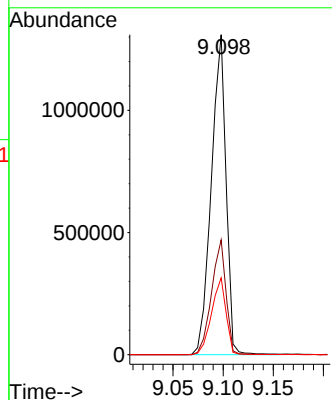
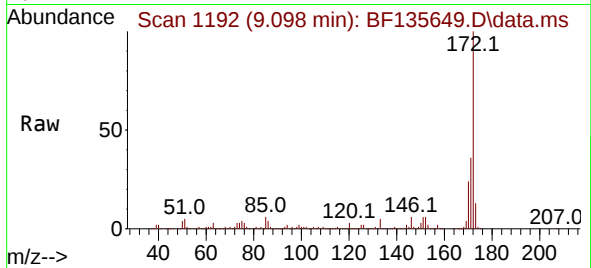




#45
2-Fluorobiphenyl
Concen: 88.076 ng
RT: 9.098 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

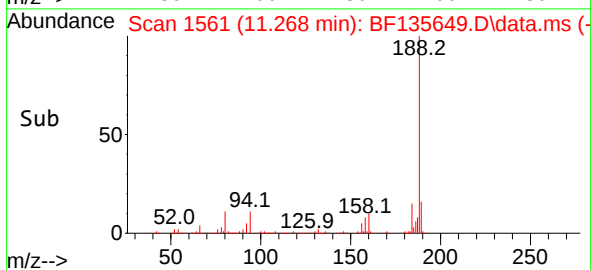
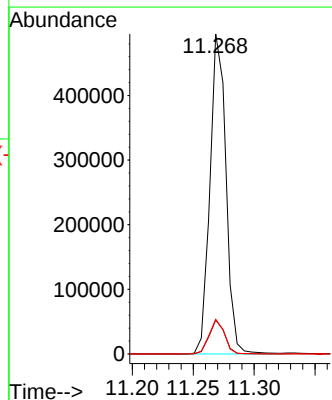
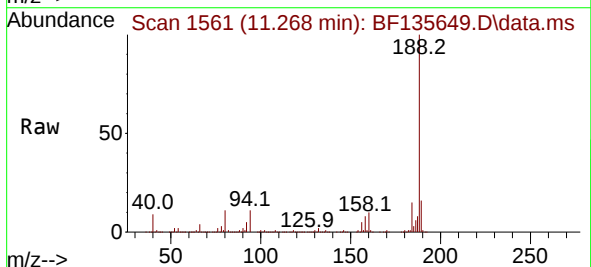
Instrument :
BNA_F
ClientSampleId :
SOIL-3

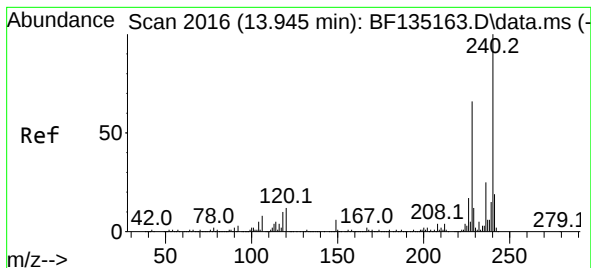
Tgt Ion:172 Resp: 1334624
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.0 19.0 28.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF135649.D
Acq: 09 Oct 2023 13:31

Tgt Ion:188 Resp: 452844
Ion Ratio Lower Upper
188 100
94 10.5 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: BF135649.D

Acq: 09 Oct 2023 13:31

Instrument :

BNA_F

ClientSampleId :

SOIL-3

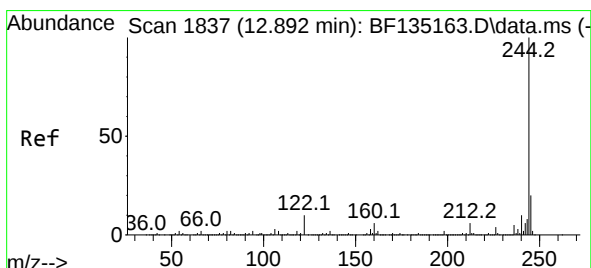
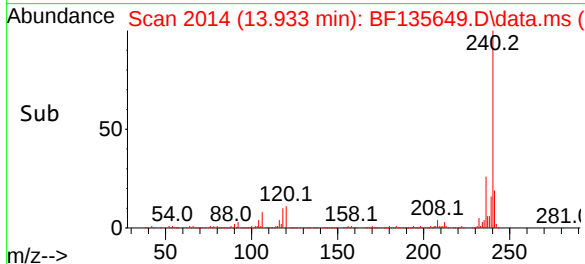
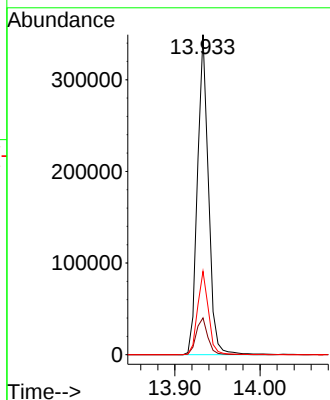
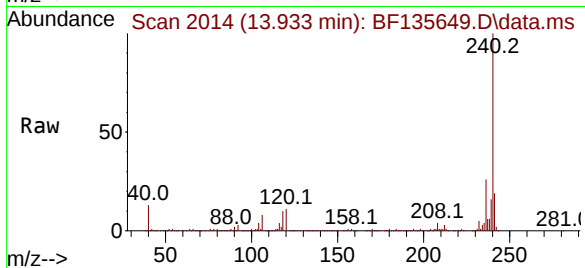
Tgt Ion:240 Resp: 312718

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 26.0 19.8 29.8



#79

Terphenyl-d14

Concen: 75.343 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.012 min

Lab File: BF135649.D

Acq: 09 Oct 2023 13:31

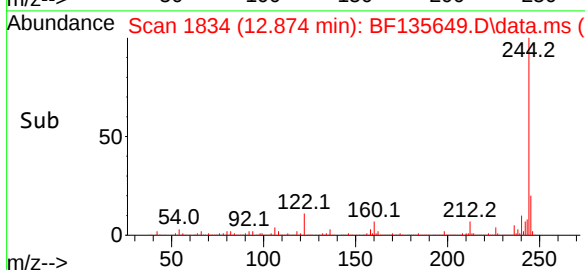
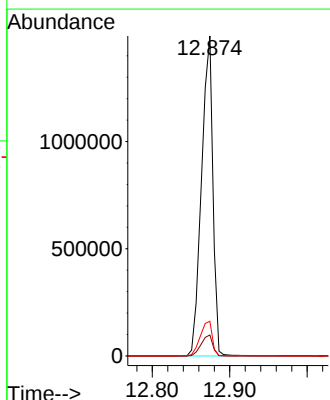
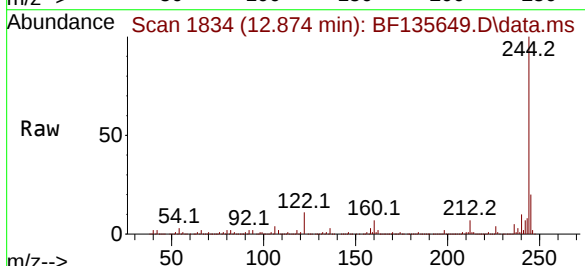
Tgt Ion:244 Resp: 1519893

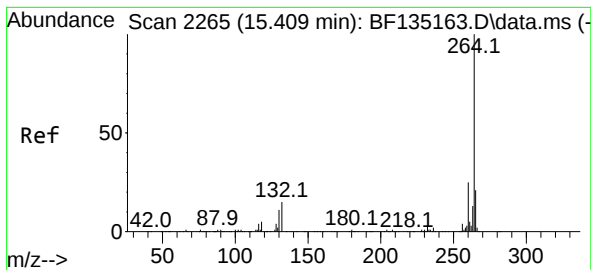
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

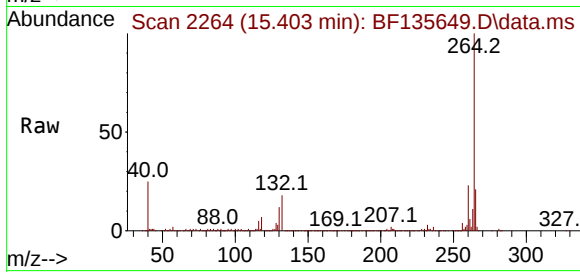
122 10.9 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.403 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135649.D
 Acq: 09 Oct 2023 13:31

Instrument :
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 ClientSampleId :
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Tgt Ion:264 Resp: 251115
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.8 29.6
 265 21.2 17.0 25.4

