

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135648.D
 Acq On : 09 Oct 2023 13:00
 Operator : CG\JU
 Sample : 04778-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Oct 09 13:49:39 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	131327	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	485598	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	243432	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	486542	20.000	ng	0.00
76) Chrysene-d12	13.933	240	346477	20.000	ng	0.00
86) Perylene-d12	15.404	264	276963	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1079058	133.638	ng	0.02
7) Phenol-d6	6.398	99	1308088	127.405	ng	0.01
23) Nitrobenzene-d5	7.310	82	918838	102.801	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	357337	147.713	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1490536	92.379	ng	0.00
79) Terphenyl-d14	12.874	244	1717786	76.856	ng	0.01

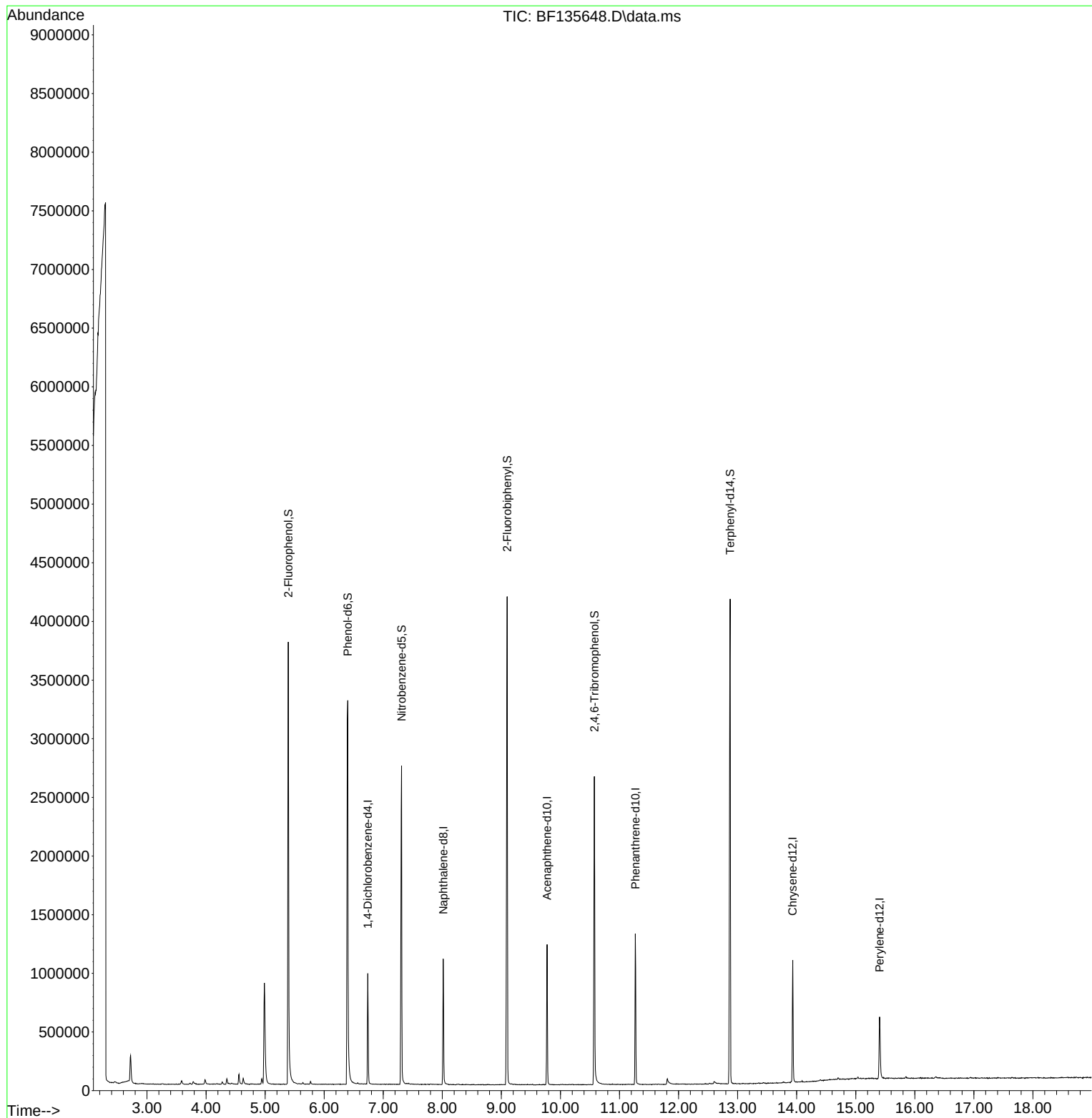
Target Compounds	Qvalue

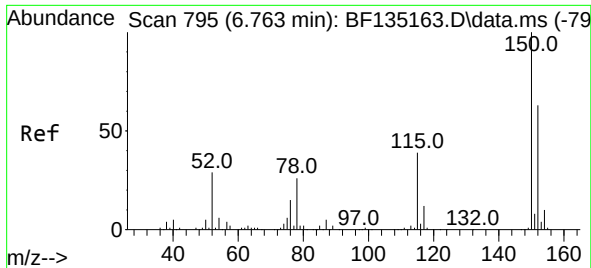
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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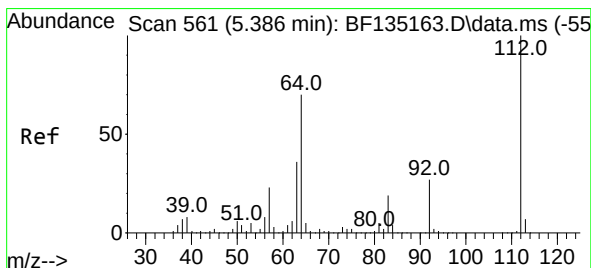
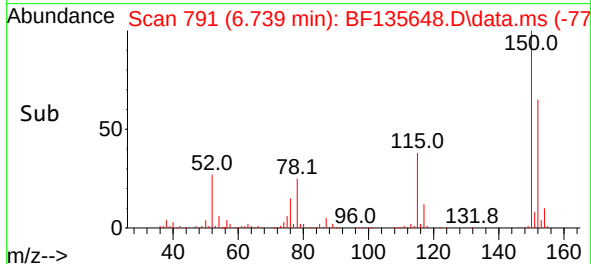
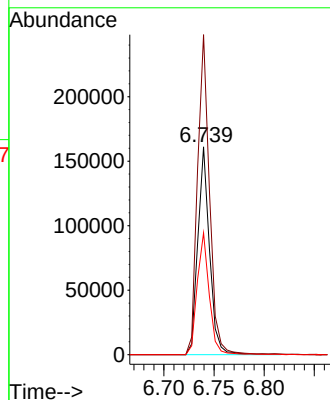
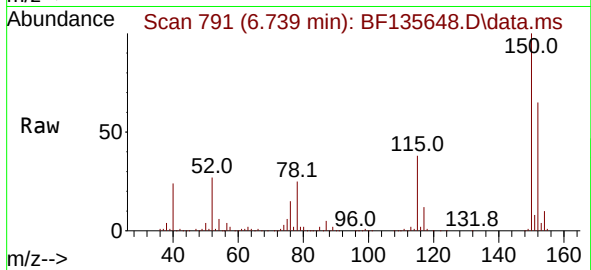




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

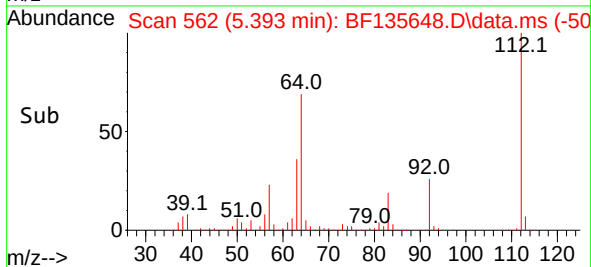
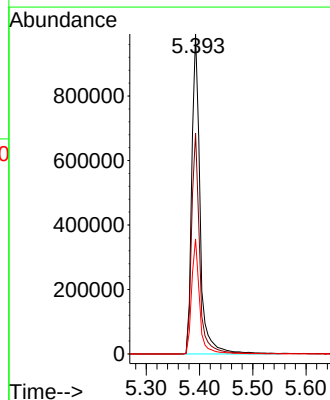
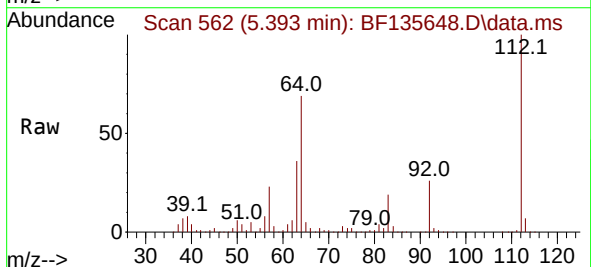
Instrument :
BNA_F
ClientSampleId :
SOIL-2

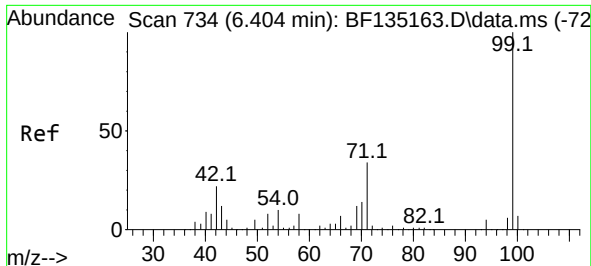
Tgt Ion:152 Resp: 131327
Ion Ratio Lower Upper
152 100
150 154.0 127.8 191.6
115 58.6 49.8 74.8



#5
2-Fluorophenol
Concen: 133.638 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.024 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

Tgt Ion:112 Resp: 1079058
Ion Ratio Lower Upper
112 100
64 69.1 55.9 83.9
63 36.0 29.0 43.6

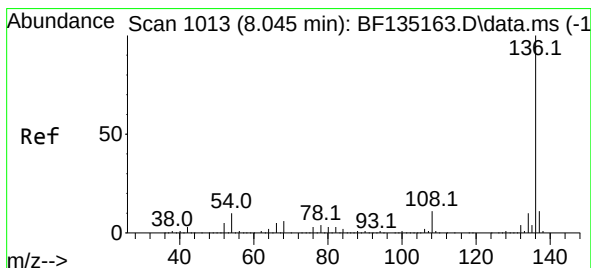
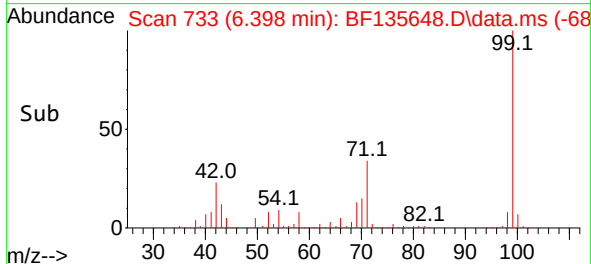
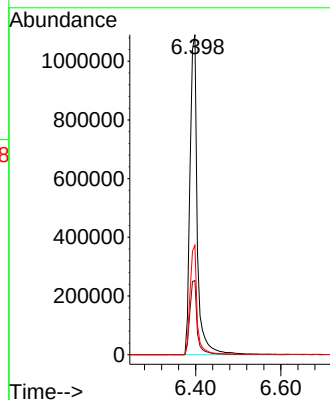
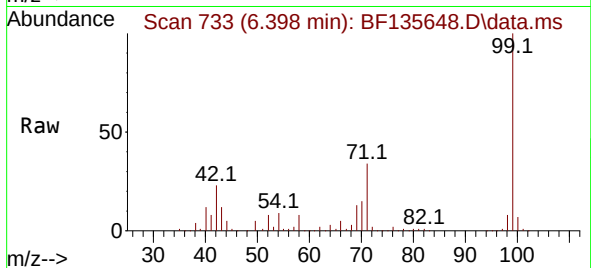




#7
Phenol-d6
Concen: 127.405 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

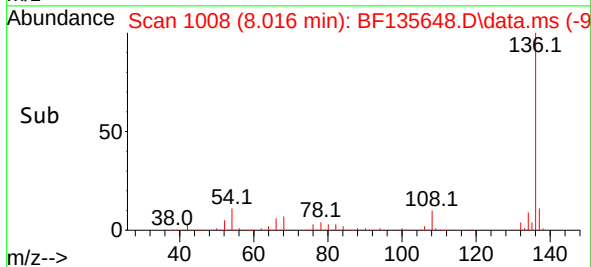
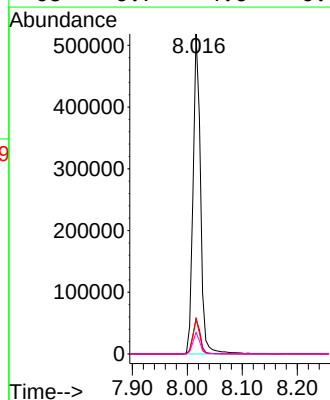
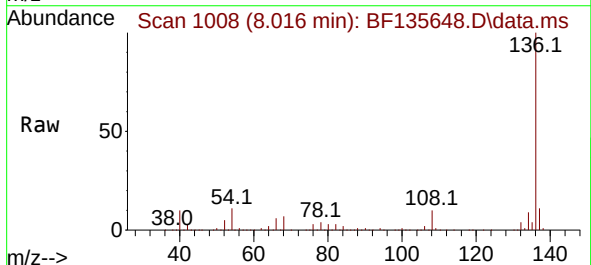
Instrument :
BNA_F
ClientSampleId :
SOIL-2

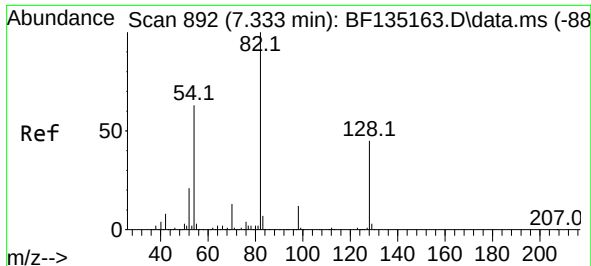
Tgt Ion: 99 Resp: 1308088
Ion Ratio Lower Upper
99 100
42 23.2 17.9 26.9
71 34.2 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

Tgt Ion: 136 Resp: 485598
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.9 7.7 11.5
68 6.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 102.801 ng

RT: 7.310 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF135648.D

Acq: 09 Oct 2023 13:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

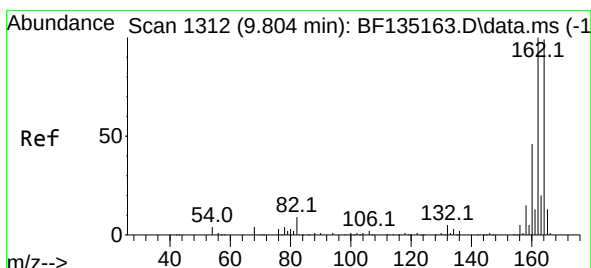
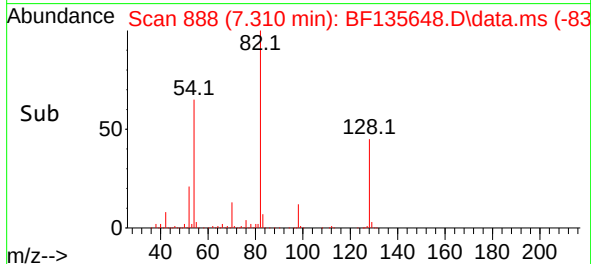
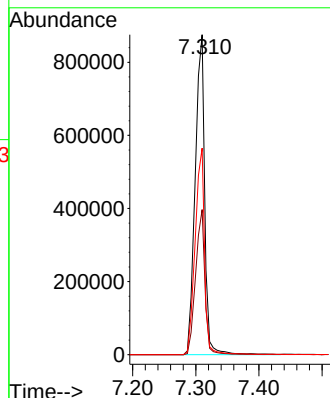
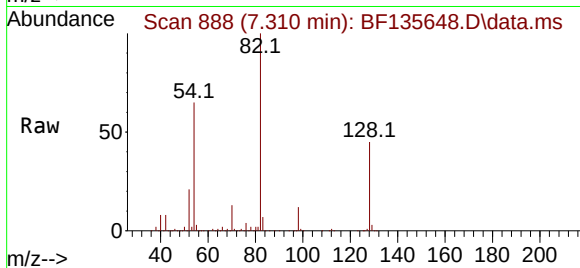
Tgt Ion: 82 Resp: 918838

Ion Ratio Lower Upper

82 100

128 45.3 35.8 53.6

54 64.6 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: BF135648.D

Acq: 09 Oct 2023 13:00

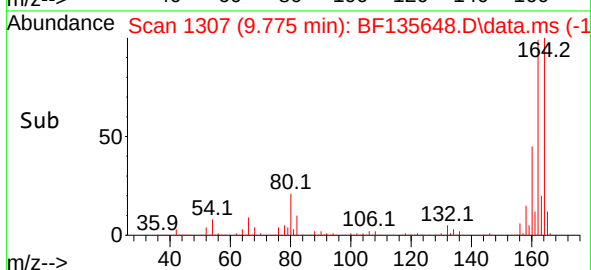
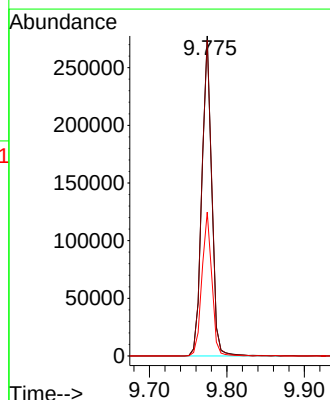
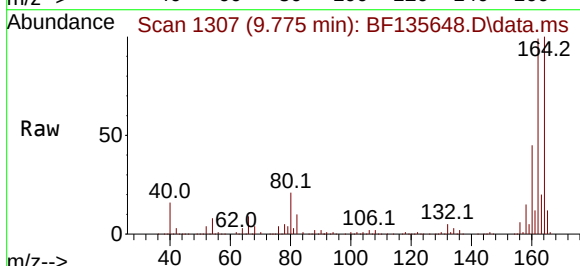
Tgt Ion:164 Resp: 243432

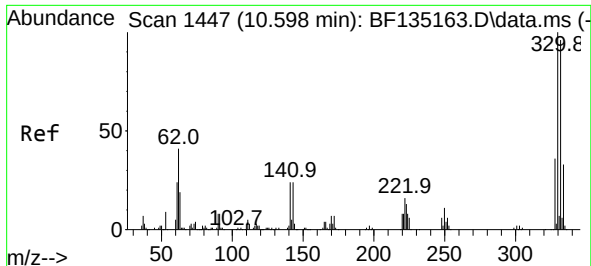
Ion Ratio Lower Upper

164 100

162 98.7 81.0 121.4

160 44.9 37.0 55.4

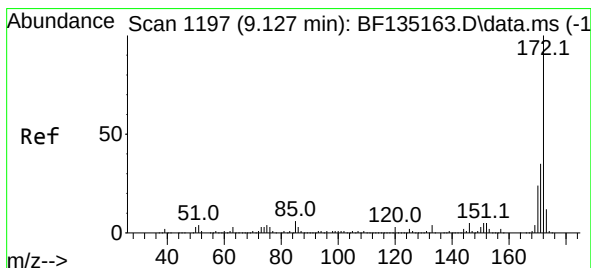
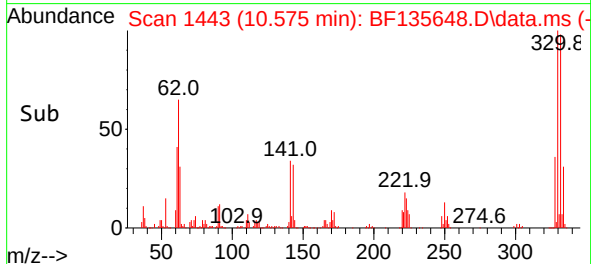
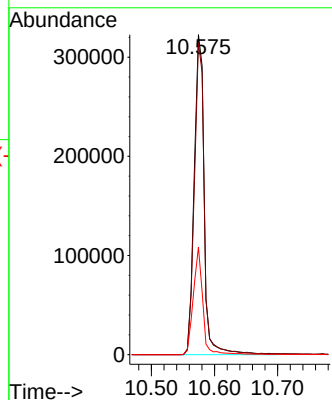
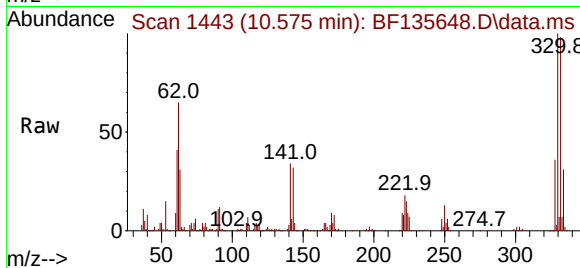




#42
2,4,6-Tribromophenol
Concen: 147.713 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

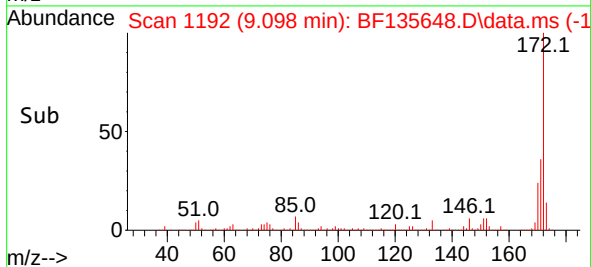
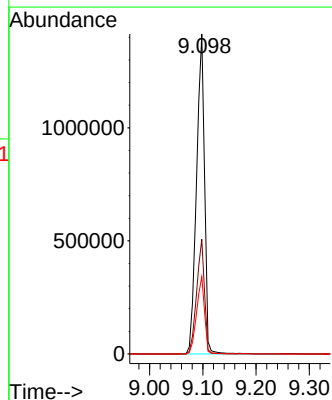
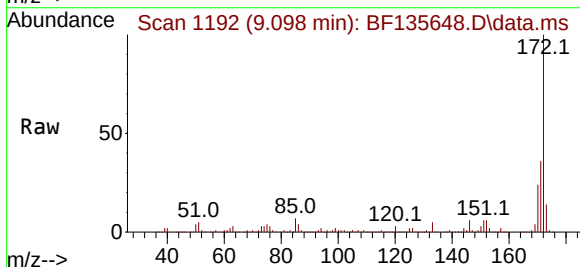
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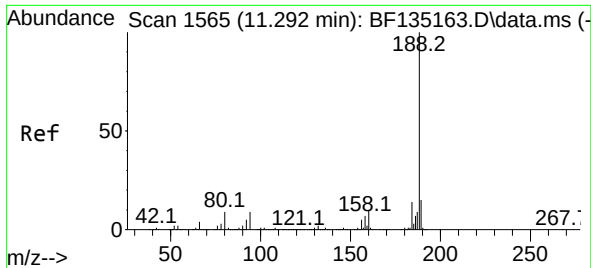
Tgt Ion:330 Resp: 357337
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 31.8 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 92.379 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

Tgt Ion:172 Resp: 1490536
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.1 19.0 28.4

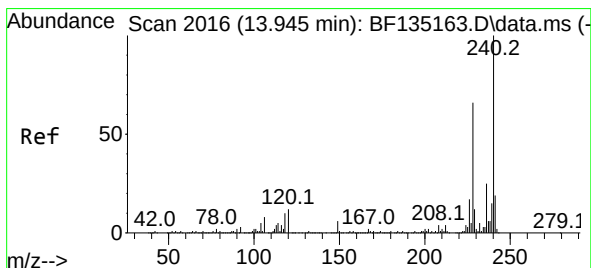
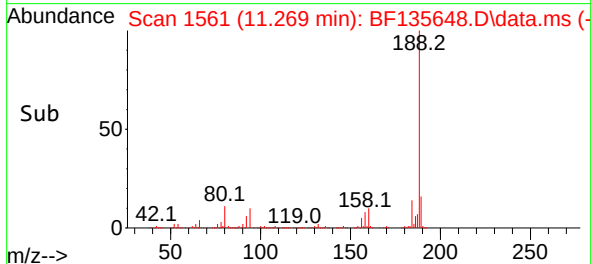
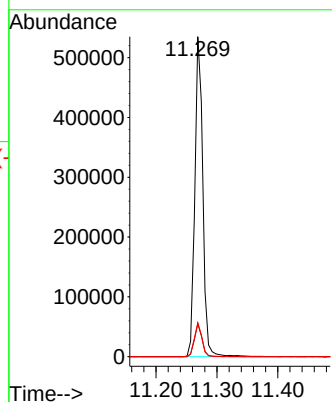
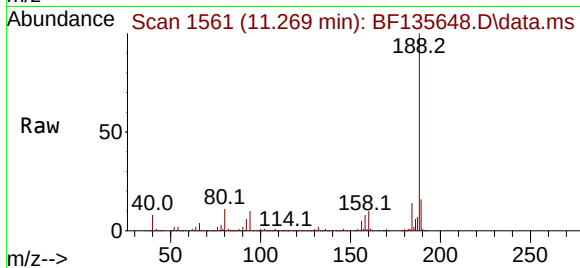




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

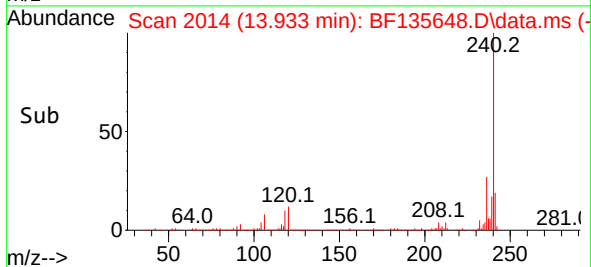
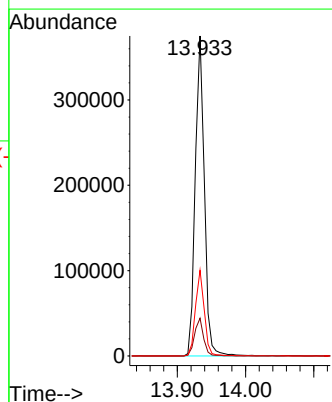
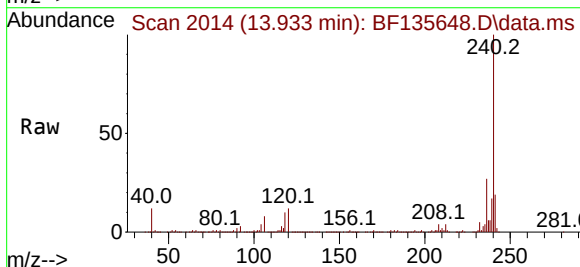
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BNA_F
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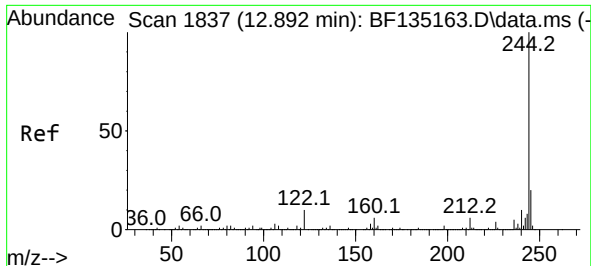
Tgt Ion:188 Resp: 486542
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 10.7 7.5 11.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135648.D
Acq: 09 Oct 2023 13:00

Tgt Ion:240 Resp: 346477
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 26.8 19.8 29.8

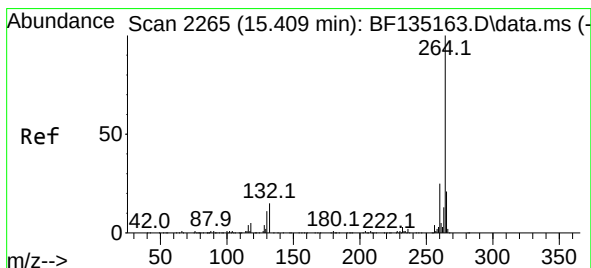
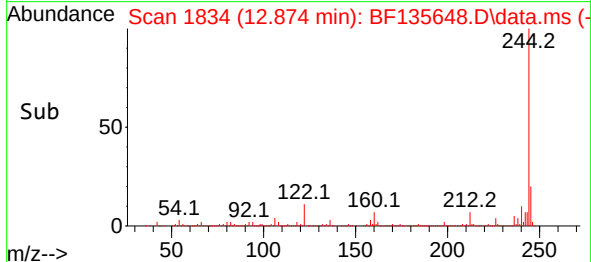
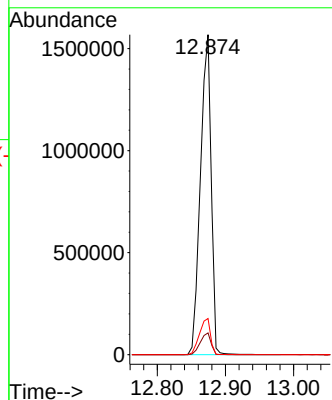
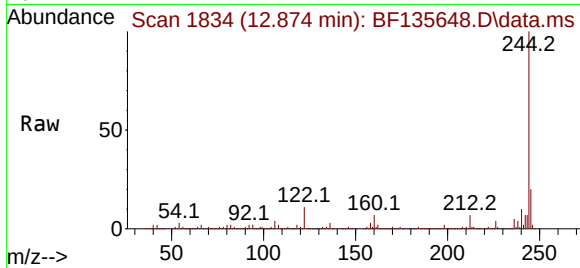




#79
 Terphenyl-d14
 Concen: 76.856 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. 0.012 min
 Lab File: BF135648.D
 Acq: 09 Oct 2023 13:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tgt Ion:244 Resp: 1717786
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.3 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: BF135648.D
 Acq: 09 Oct 2023 13:00

Tgt Ion:264 Resp: 276963
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.8 29.6
 265 20.9 17.0 25.4

