

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142042.D
 Acq On : 21 Mar 2025 21:17
 Operator : RC/JU
 Sample : Q1605-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-SOIL-CUTTING

Quant Time: Mar 21 23:02:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	128885	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	489683	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	252341	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	384027	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	311434	20.000	ng	0.00
86) Perylene-d12	15.510	264	259099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1040397	134.723	ng	0.01
7) Phenol-d6	6.498	99	1134645	115.398	ng	0.00
23) Nitrobenzene-d5	7.434	82	902501	103.718	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	473944	148.048	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1773237	106.870	ng	-0.01
79) Terphenyl-d14	12.980	244	1997990	94.849	ng	0.00

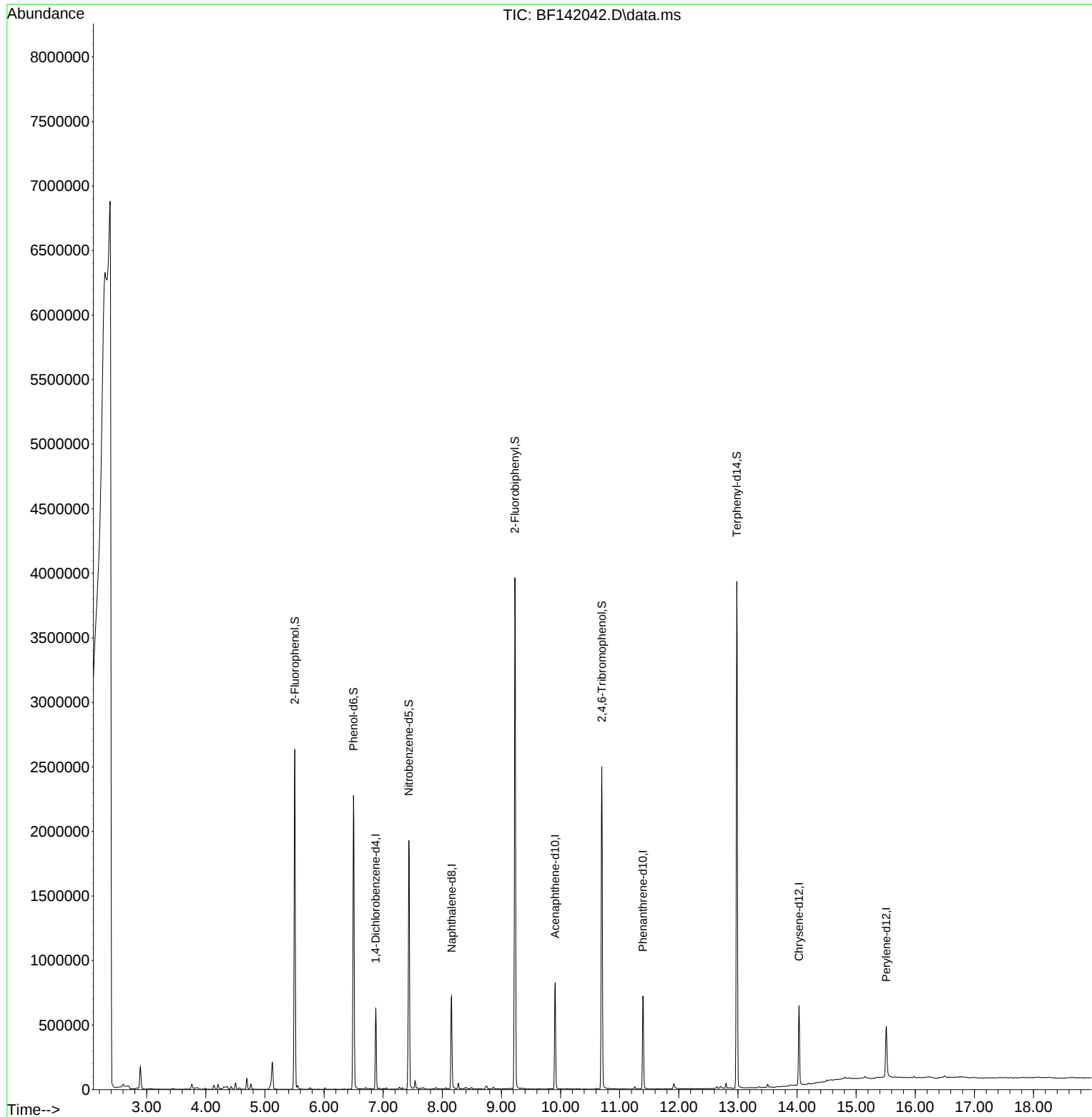
Target Compounds	Qvalue

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

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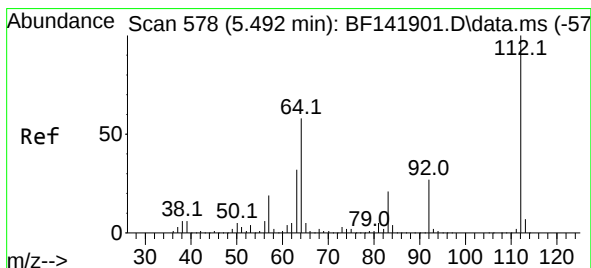
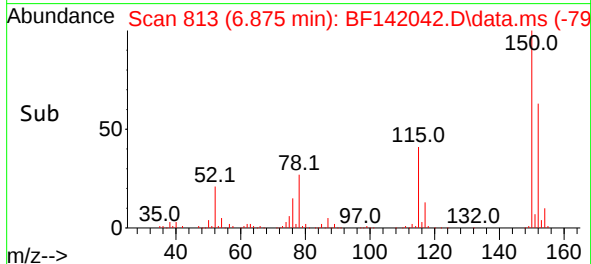
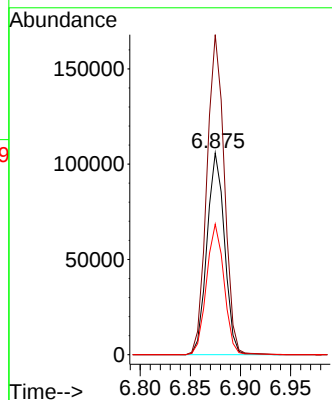
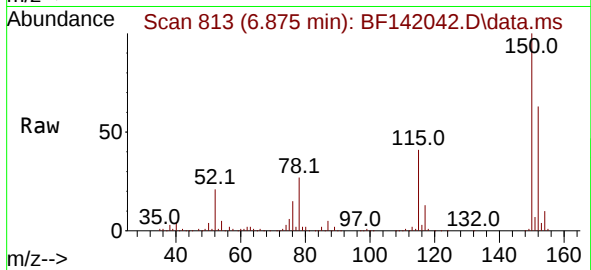




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

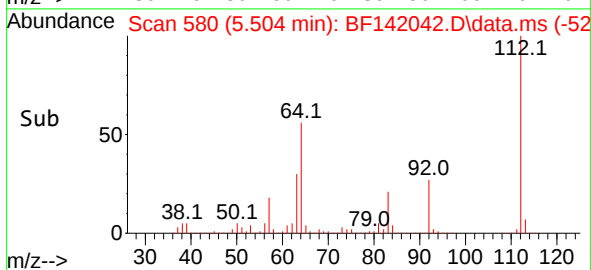
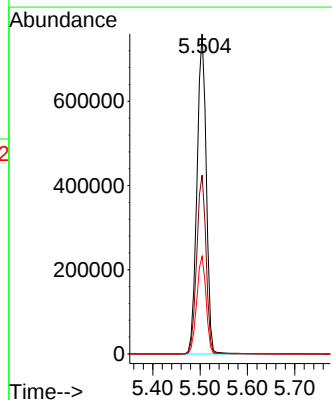
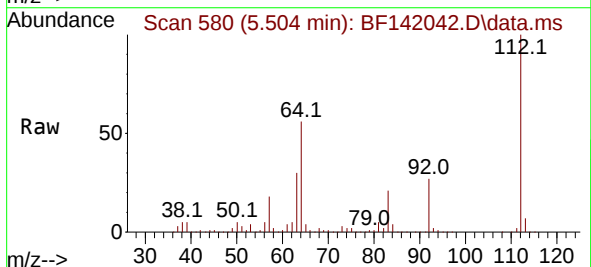
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

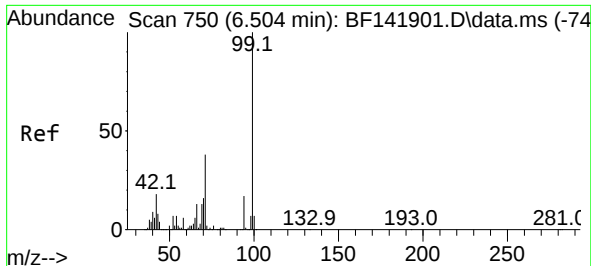
Tgt Ion:152 Resp: 128885
Ion Ratio Lower Upper
152 100
150 158.6 127.4 191.2
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 134.723 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

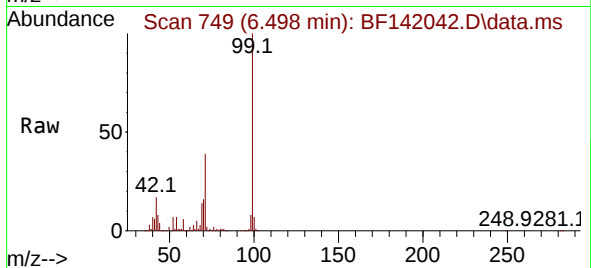
Tgt Ion:112 Resp: 1040397
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 30.5 25.4 38.2





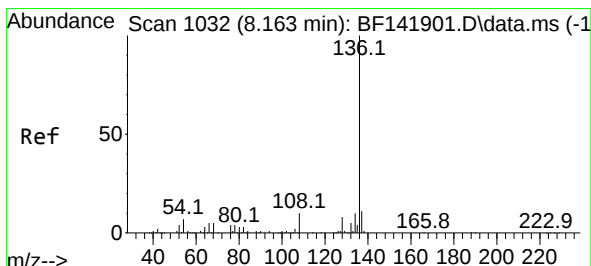
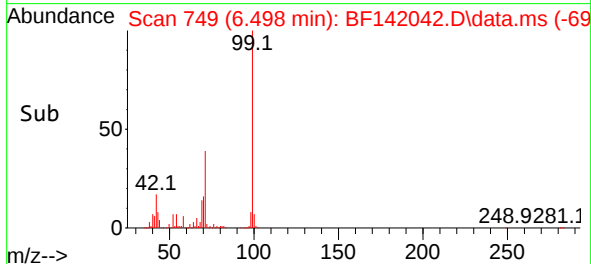
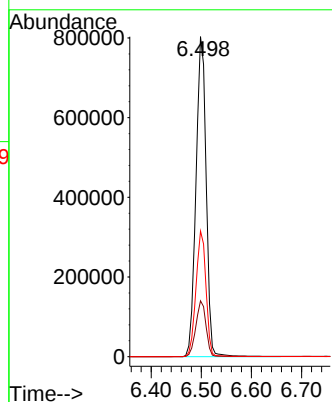
#7
Phenol-d6
Concen: 115.398 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING



Tgt Ion: 99 Resp: 1134645

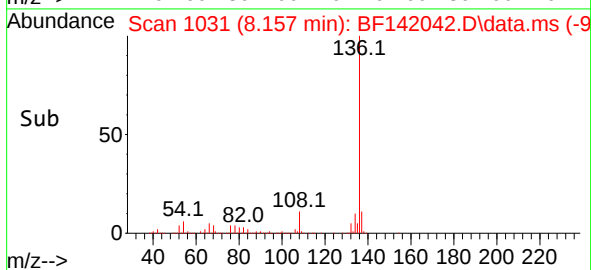
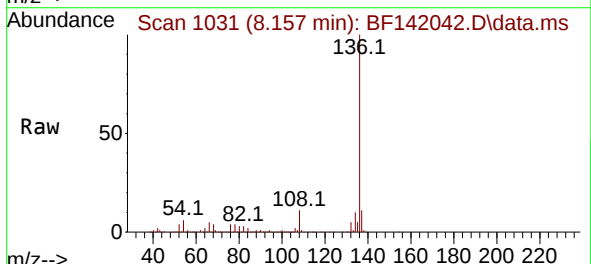
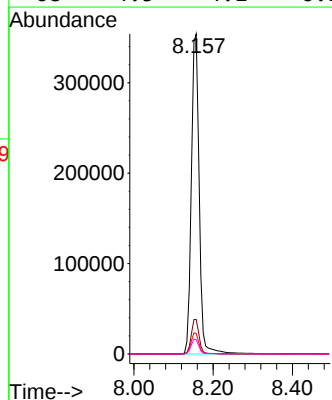
Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	39.3	30.8	46.2

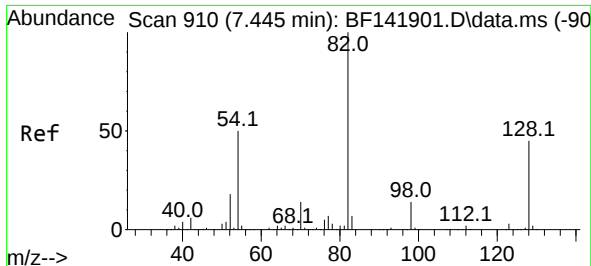


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion:136 Resp: 489683

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.8	8.8
68	4.5	4.1	6.1





#23

Nitrobenzene-d5

Concen: 103.718 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142042.D

Acq: 21 Mar 2025 21:17

Instrument :

BNA_F

ClientSampleId :

DRUM-SOIL-CUTTING

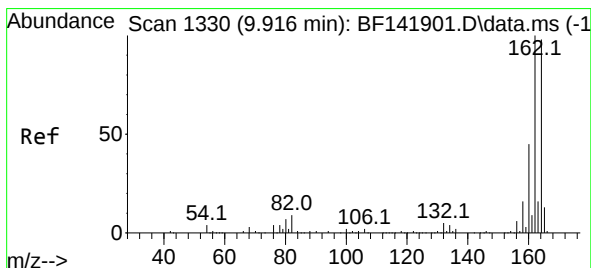
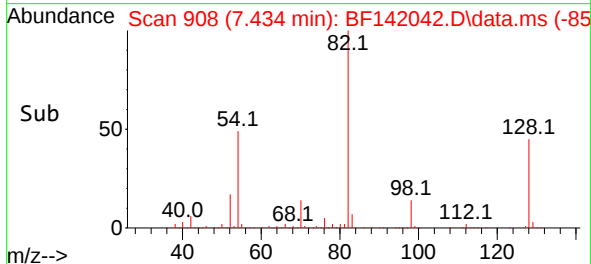
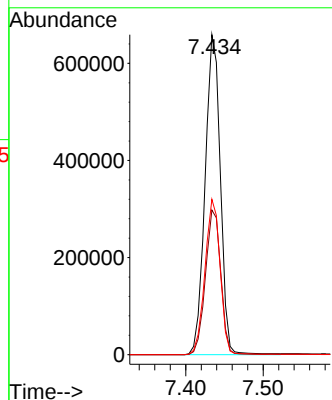
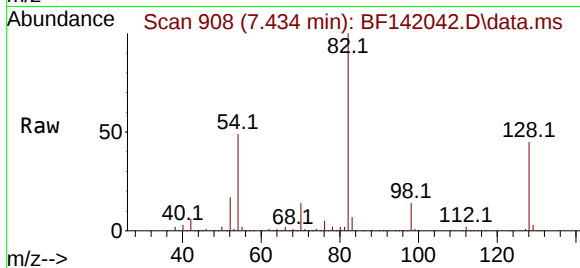
Tgt Ion: 82 Resp: 902501

Ion Ratio Lower Upper

82 100

128 45.2 36.0 54.0

54 48.6 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142042.D

Acq: 21 Mar 2025 21:17

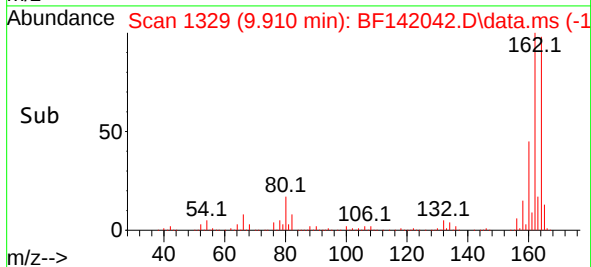
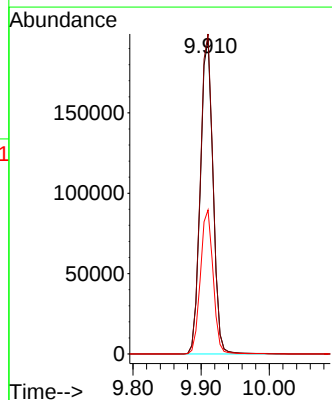
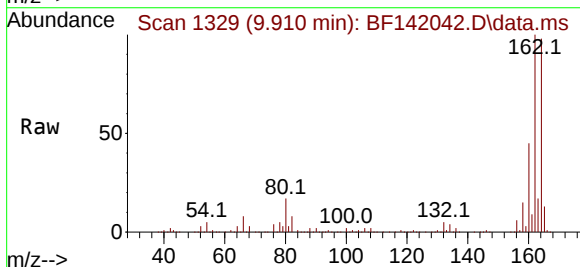
Tgt Ion:164 Resp: 252341

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.6

160 45.7 36.7 55.1

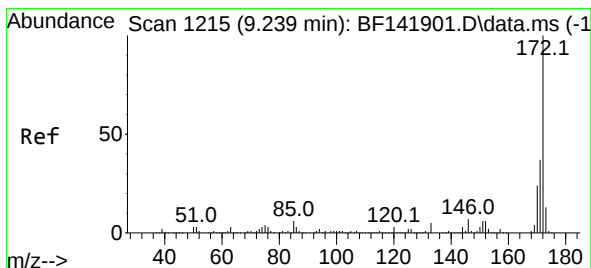
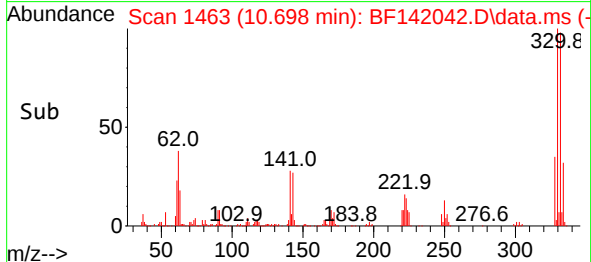
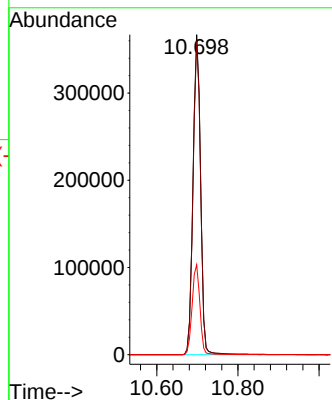
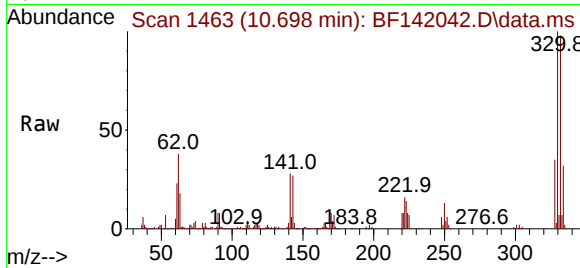




#42
 2,4,6-Tribromophenol
 Concen: 148.048 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142042.D
 Acq: 21 Mar 2025 21:17

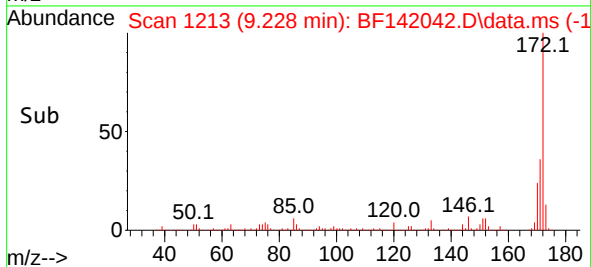
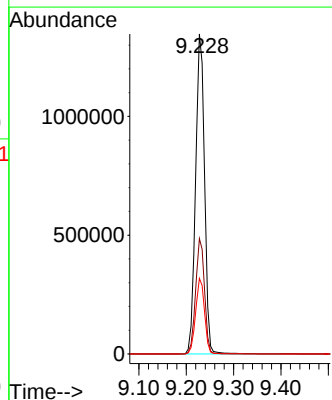
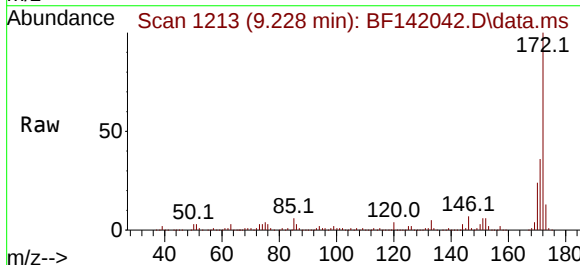
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Tgt Ion:330 Resp: 473944
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.6 116.4
 141 29.0 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 106.870 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142042.D
 Acq: 21 Mar 2025 21:17

Tgt Ion:172 Resp: 1773237
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.3 43.9
 170 23.6 19.4 29.0

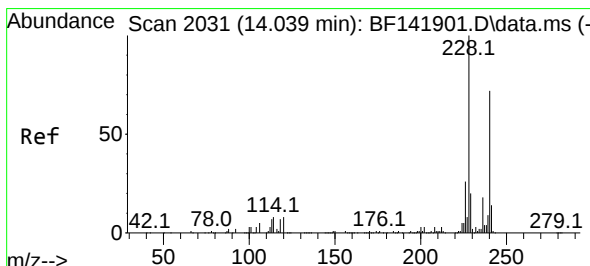
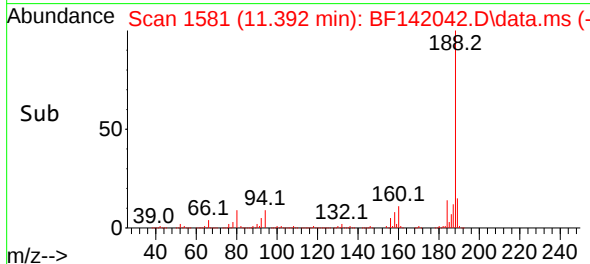
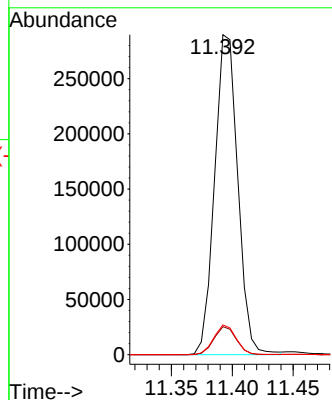
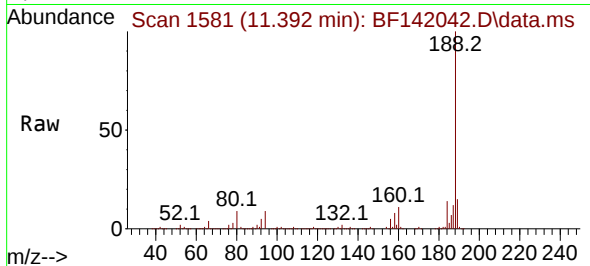




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

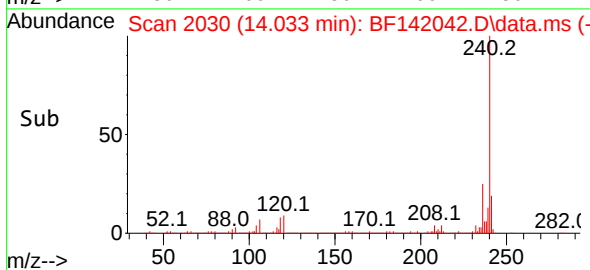
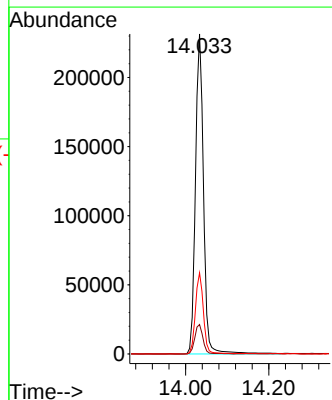
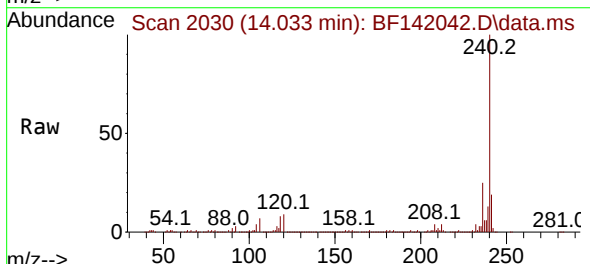
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

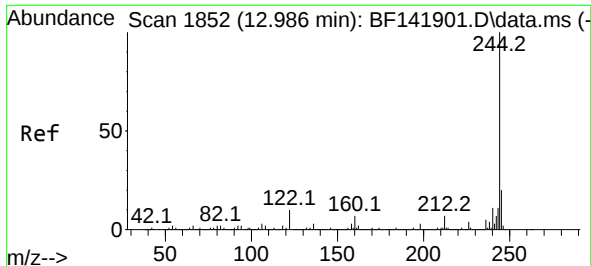
Tgt Ion:188 Resp: 384027
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.3 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion:240 Resp: 311434
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 25.4 20.5 30.7

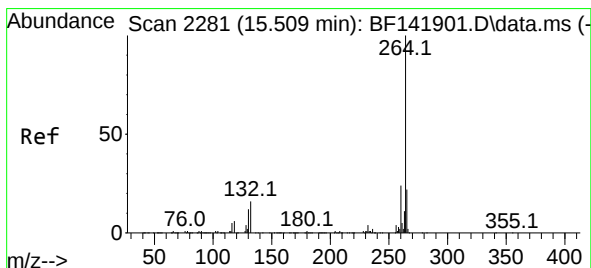
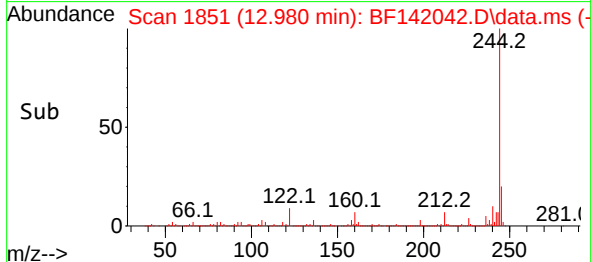
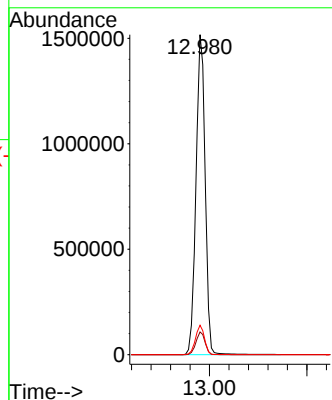
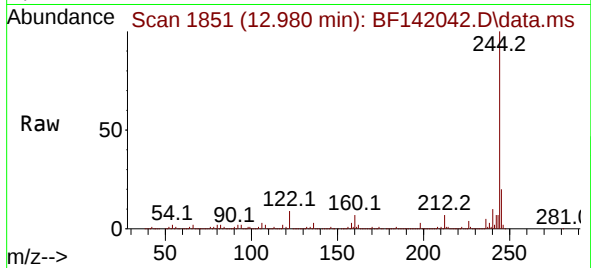




#79
 Terphenyl-d14
 Concen: 94.849 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142042.D
 Acq: 21 Mar 2025 21:17

Instrument :
 BNA_F
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Tgt Ion:244 Resp: 1997990
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.2 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142042.D
 Acq: 21 Mar 2025 21:17

Tgt Ion:264 Resp: 259099
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.0 17.5 26.3

