

Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142061.D
 Acq On : 24 Mar 2025 18:23
 Operator : RC/JU
 Sample : Q1610-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Mar 24 21:01:16 2025
 Quant Method : T:\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	126798	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	490426	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	278689	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	452174	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	270942	20.000	ng	0.00
86) Perylene-d12	15.504	264	258515	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1122015	147.684	ng	0.01
7) Phenol-d6	6.504	99	1346298	139.178	ng	0.00
23) Nitrobenzene-d5	7.434	82	923768	106.002	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	622485	176.065	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1965013	107.231	ng	-0.01
79) Terphenyl-d14	12.980	244	2310971	126.103	ng	0.00

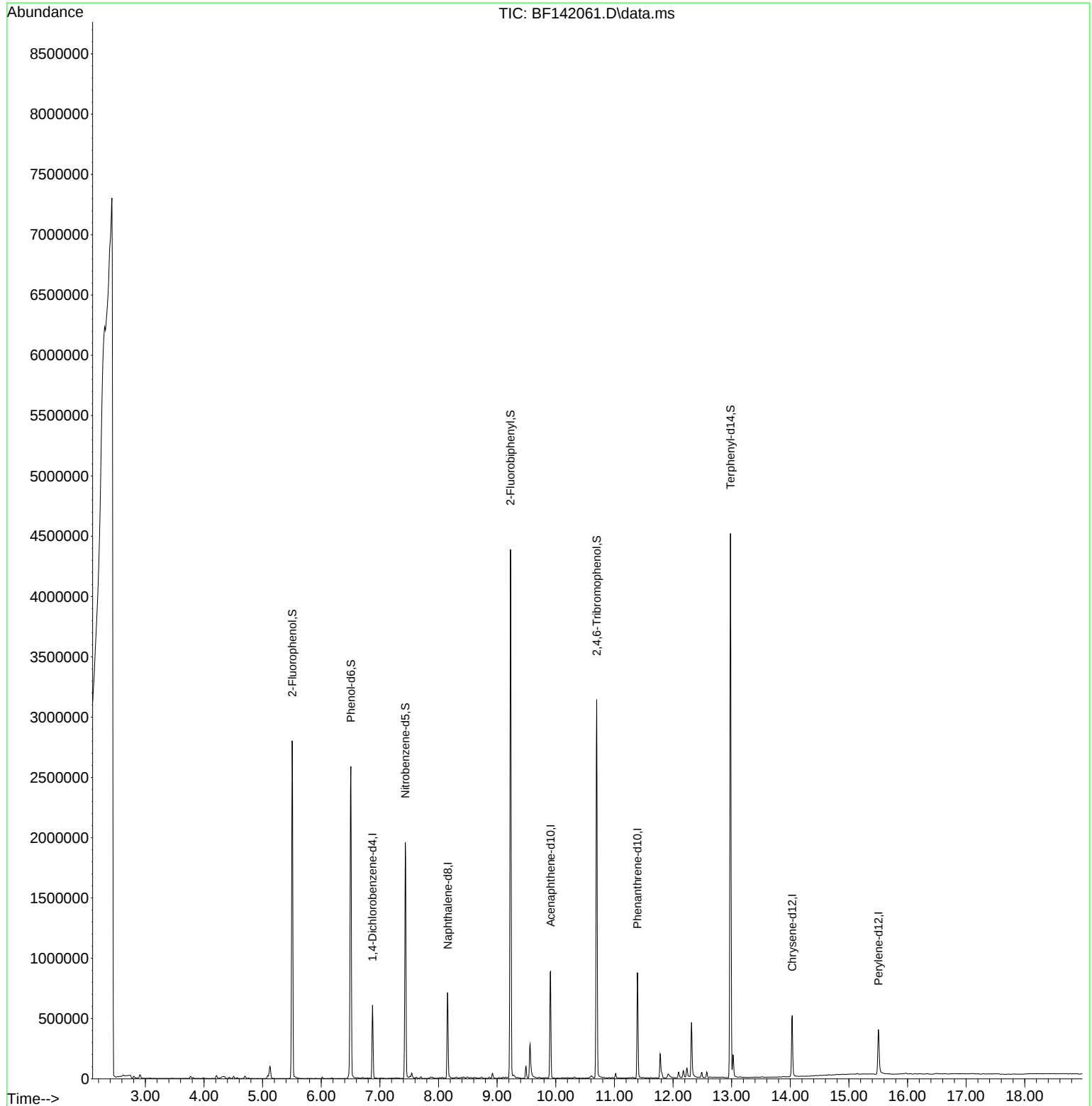
Target Compounds Qvalue

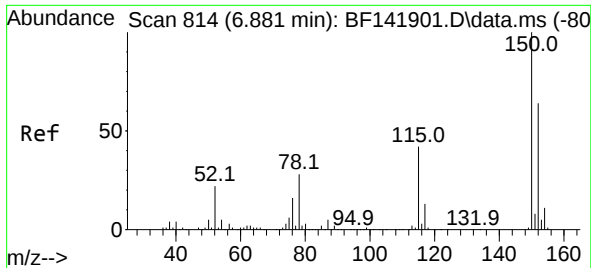
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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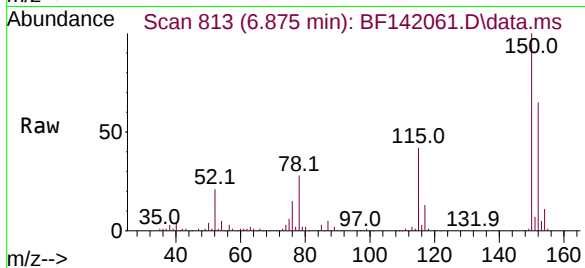
Quant Time: Mar 24 21:01:16 2025
Quant Method : T:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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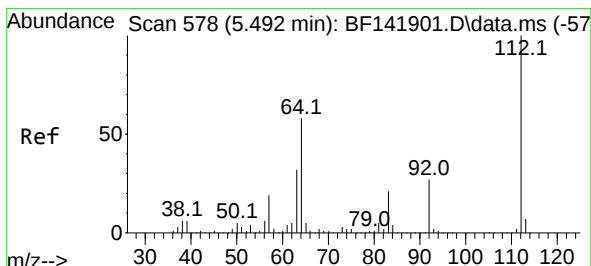
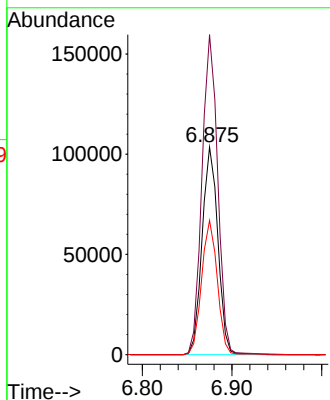
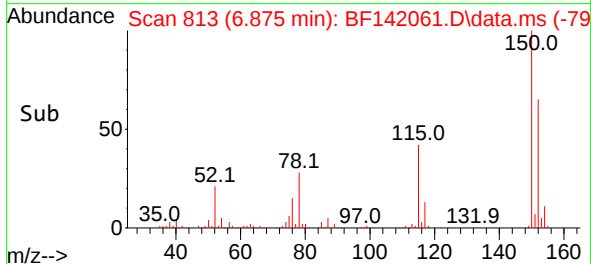


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142061.D
Acq: 24 Mar 2025 18:23

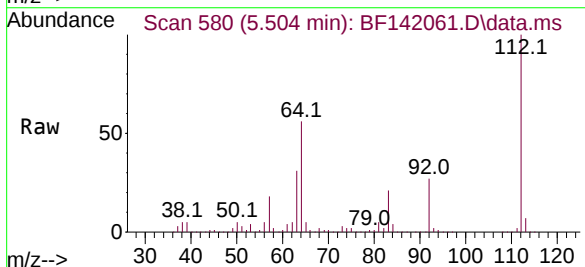
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE



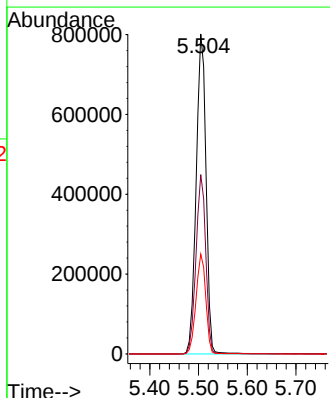
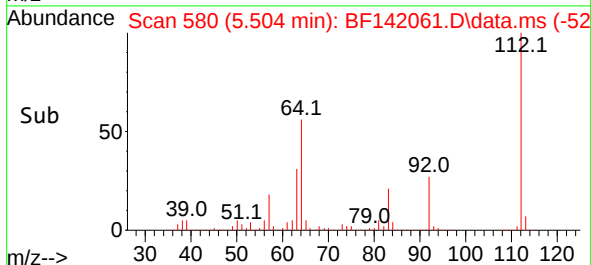
Tgt Ion:152 Resp: 126798
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.2
115 64.6 51.9 77.9

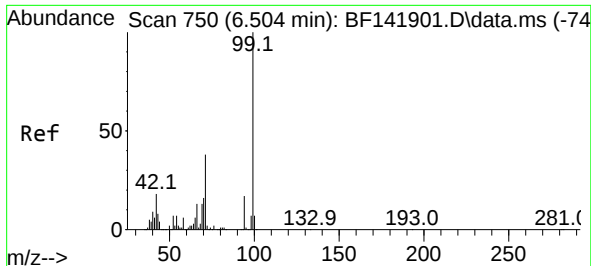


#5
2-Fluorophenol
Concen: 147.684 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142061.D
Acq: 24 Mar 2025 18:23



Tgt Ion:112 Resp: 1122015
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 31.2 25.4 38.2



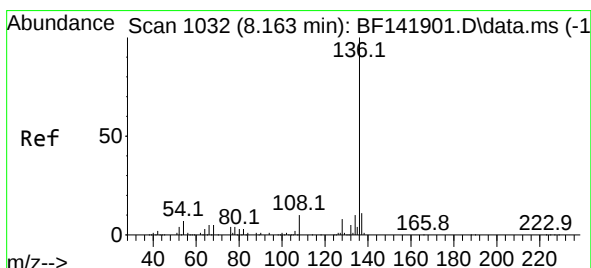
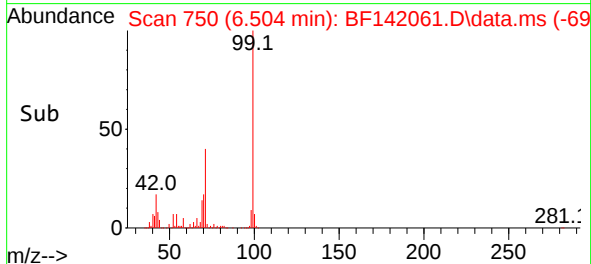
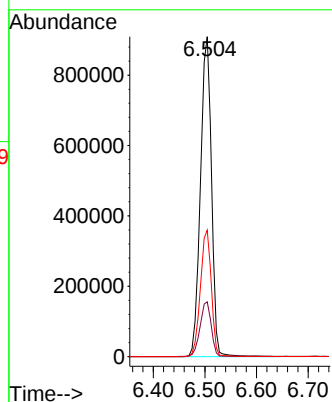
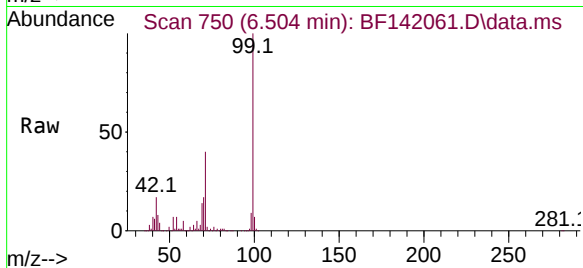


#7
Phenol-d6
Concen: 139.178 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF142061.D
Acq: 24 Mar 2025 18:23

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion: 99 Resp: 1346298

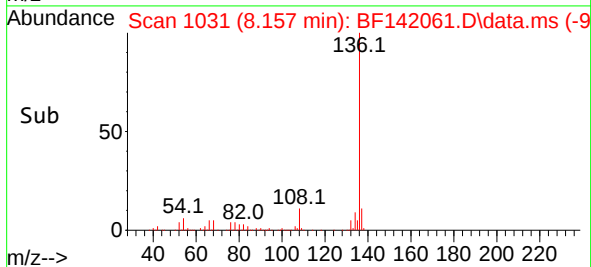
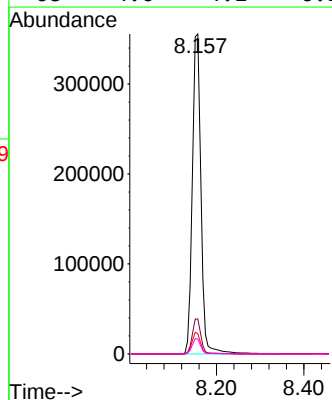
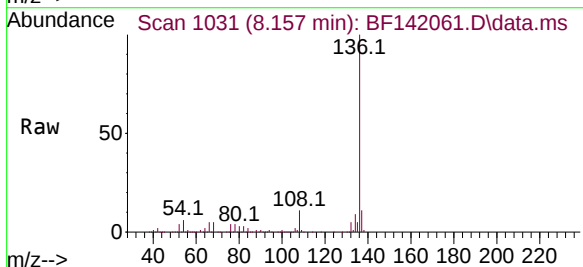
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	39.5	30.8	46.2

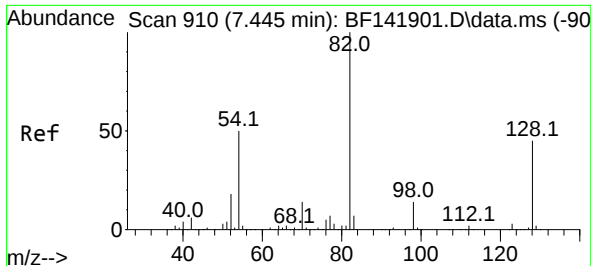


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142061.D
Acq: 24 Mar 2025 18:23

Tgt Ion:136 Resp: 490426

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.4	5.8	8.8
68	4.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 106.002 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142061.D

Acq: 24 Mar 2025 18:23

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

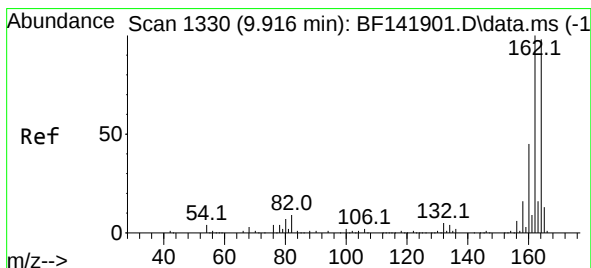
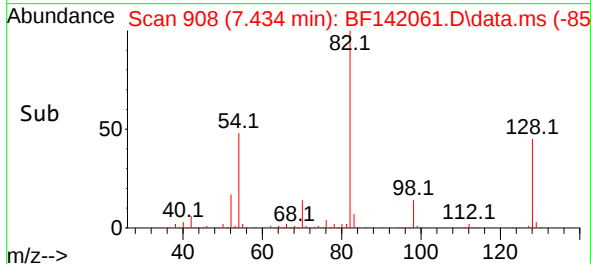
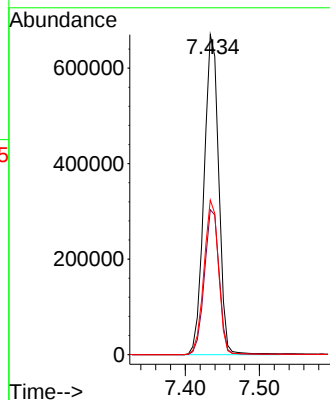
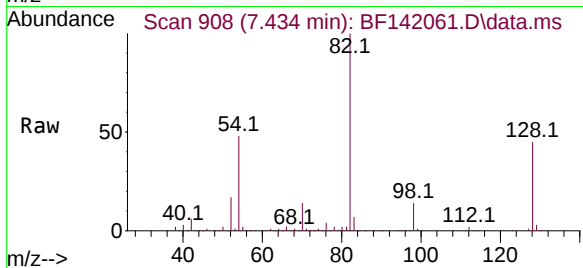
Tgt Ion: 82 Resp: 923768

Ion Ratio Lower Upper

82 100

128 45.3 36.0 54.0

54 48.3 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: BF142061.D

Acq: 24 Mar 2025 18:23

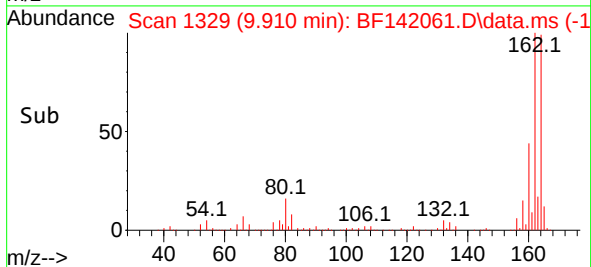
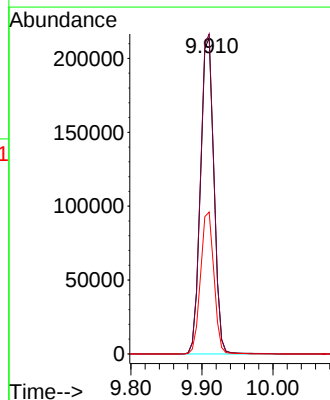
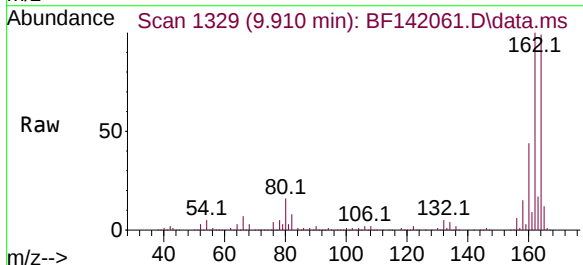
Tgt Ion:164 Resp: 278689

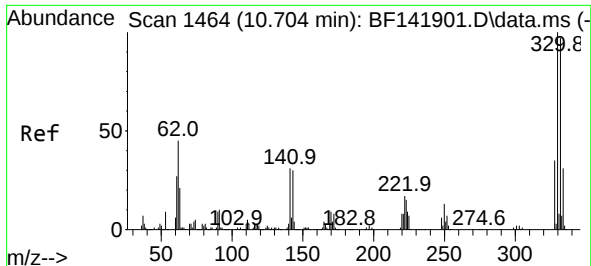
Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.6

160 44.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 176.065 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142061.D

Acq: 24 Mar 2025 18:23

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

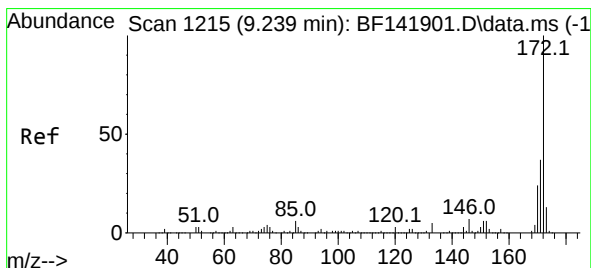
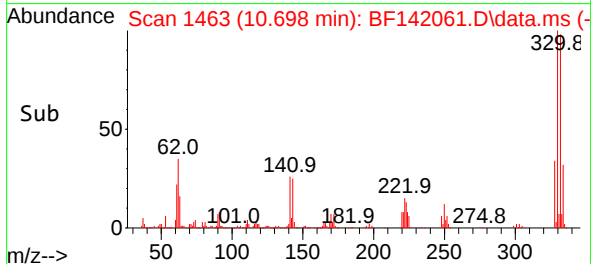
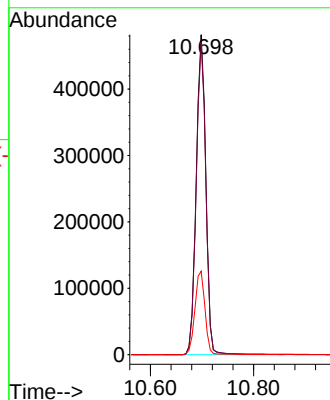
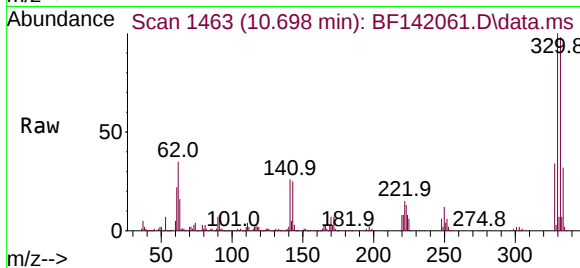
Tgt Ion:330 Resp: 622485

Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

141 27.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 107.231 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142061.D

Acq: 24 Mar 2025 18:23

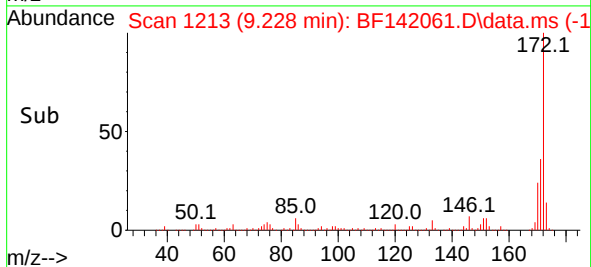
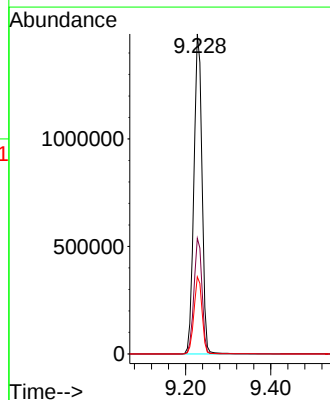
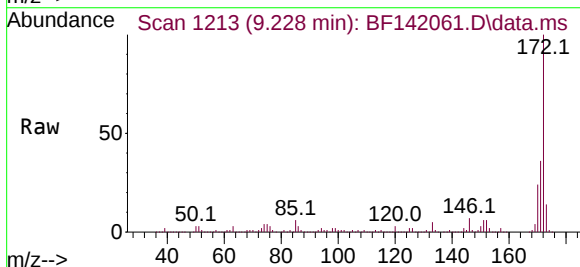
Tgt Ion:172 Resp: 1965013

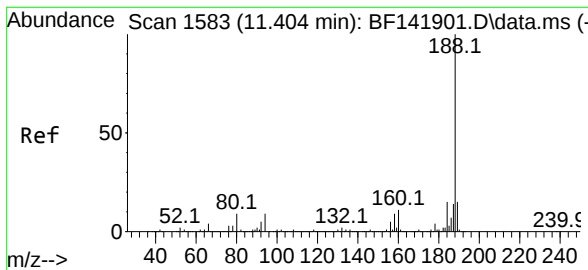
Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 24.1 19.4 29.0

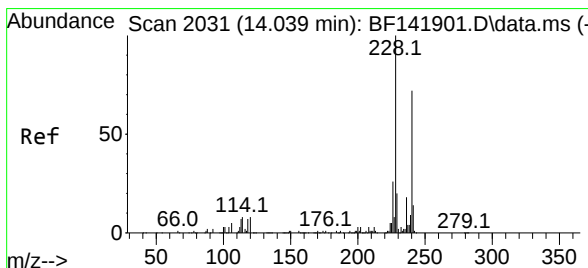
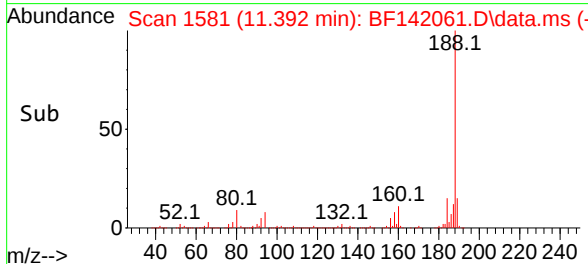
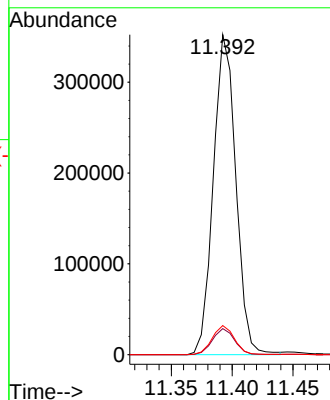
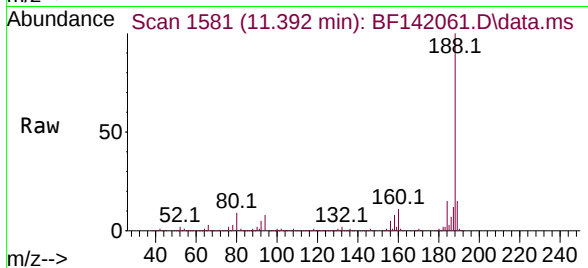




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142061.D
Acq: 24 Mar 2025 18:23

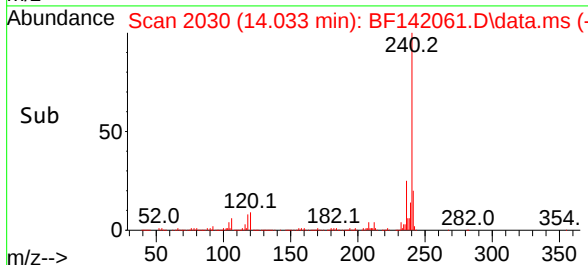
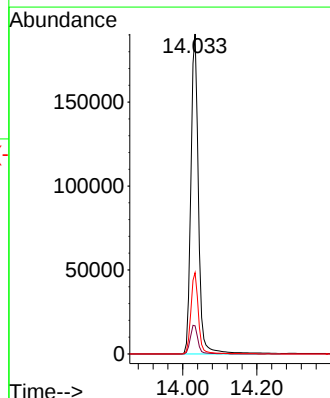
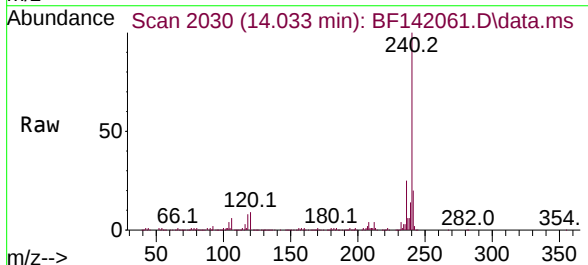
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

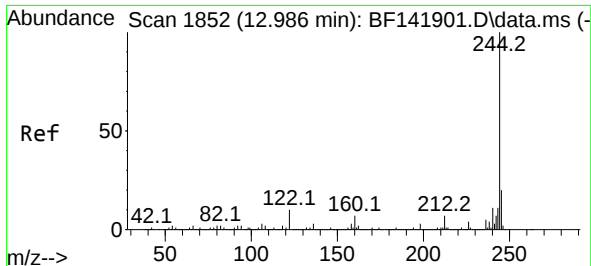
Tgt Ion:188 Resp: 452174
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.1 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142061.D
Acq: 24 Mar 2025 18:23

Tgt Ion:240 Resp: 270942
Ion Ratio Lower Upper
240 100
120 8.8 8.4 12.6
236 25.4 20.5 30.7

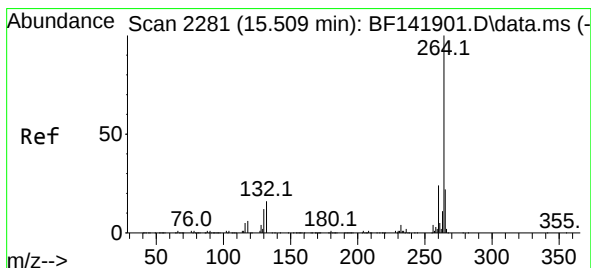
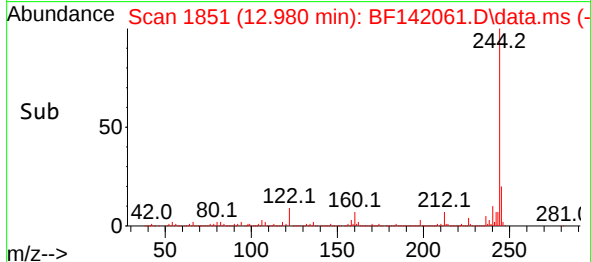
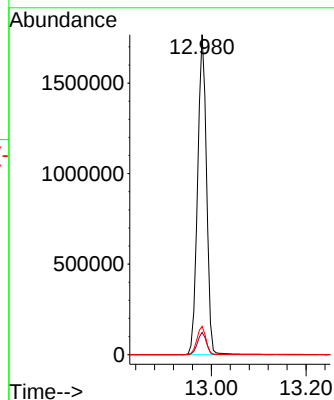
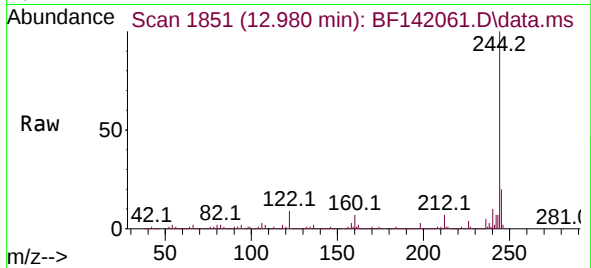




#79
 Terphenyl-d14
 Concen: 126.103 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142061.D
 Acq: 24 Mar 2025 18:23

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tgt Ion:244 Resp: 2310971
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.8 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142061.D
 Acq: 24 Mar 2025 18:23

Tgt Ion:264 Resp: 258515
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.9 17.5 26.3

