

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141598.D
 Acq On : 12 Feb 2025 18:46
 Operator : RC/JU
 Sample : Q1346-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Feb 12 22:00:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	85586	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	341792	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	183996	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	311821	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	177859	20.000	ng	-0.02
86) Perylene-d12	15.398	264	151277	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	771812	141.379	ng	0.01
7) Phenol-d6	6.428	99	920384	133.390	ng	-0.01
23) Nitrobenzene-d5	7.351	82	635854	97.033	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	263167	142.381	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1166980	97.714	ng	0.00
79) Terphenyl-d14	12.892	244	1217159	115.528	ng	-0.01

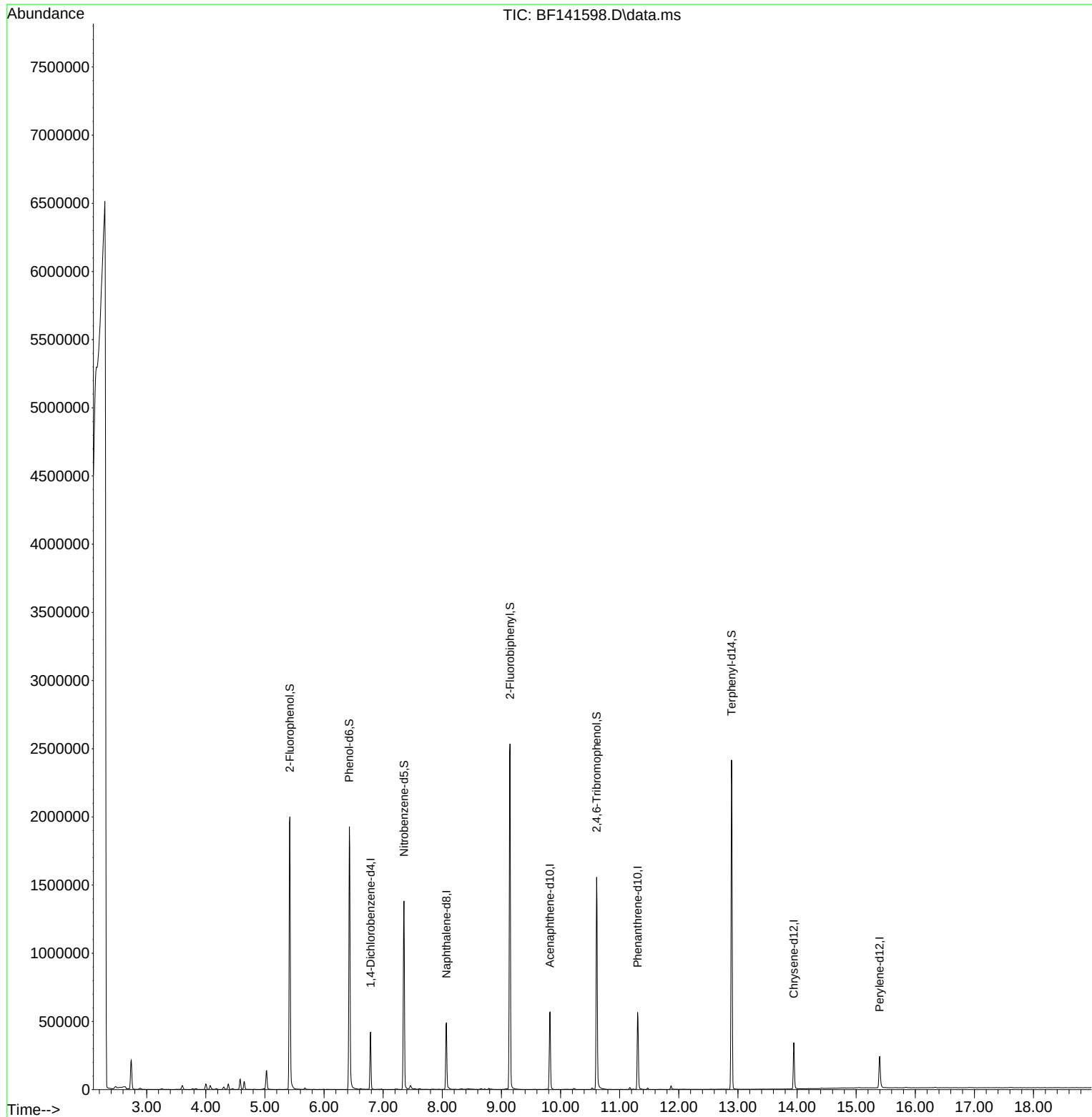
Target Compounds	Qvalue

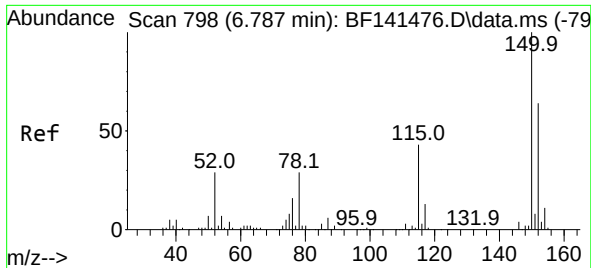
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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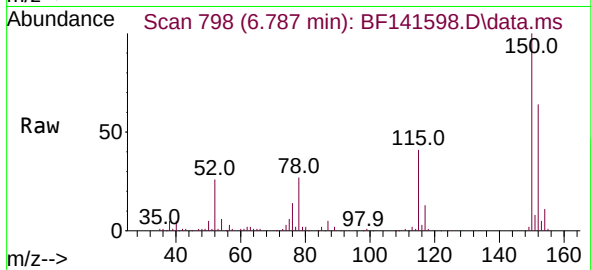
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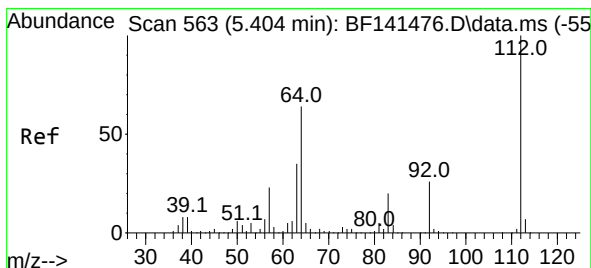
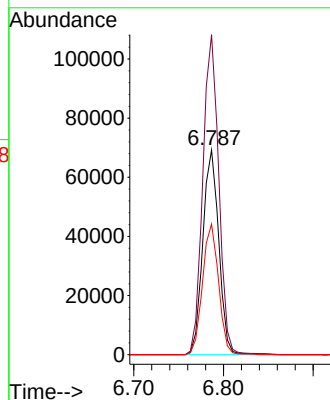
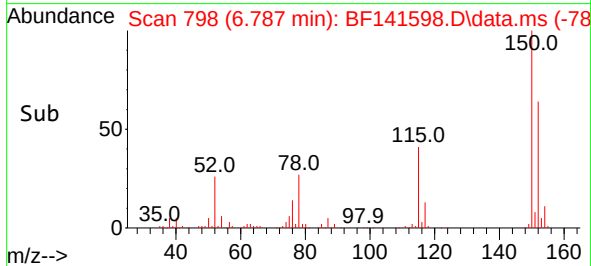


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

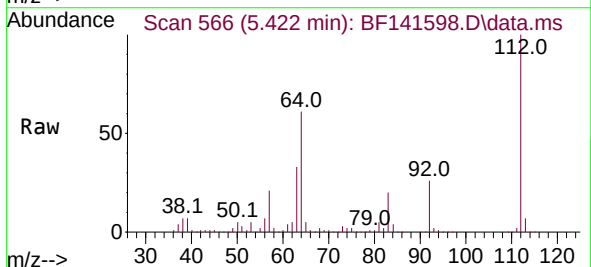
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



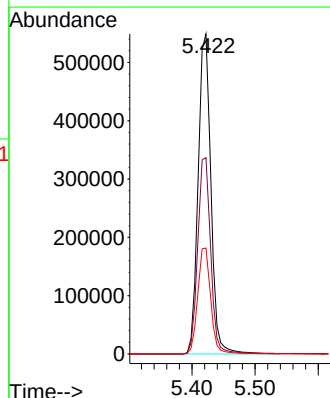
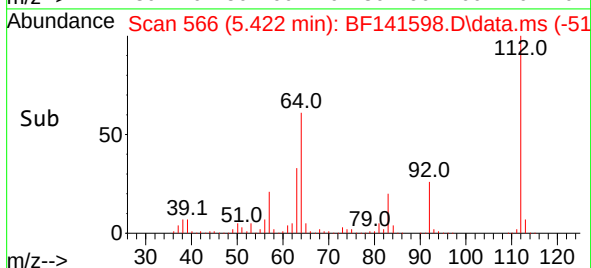
Tgt Ion:152 Resp: 85586
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 63.7 53.6 80.4

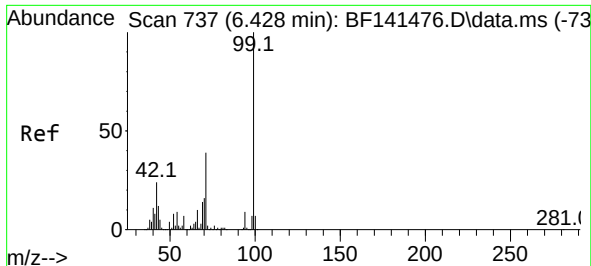


#5
2-Fluorophenol
Concen: 141.379 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46



Tgt Ion:112 Resp: 771812
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 33.1 28.4 42.6

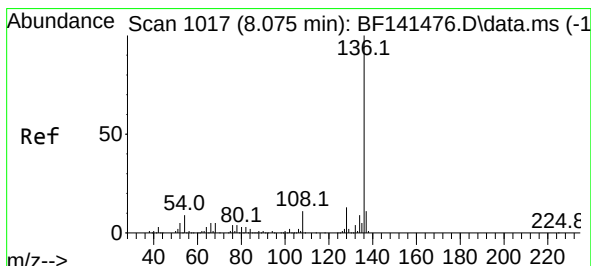
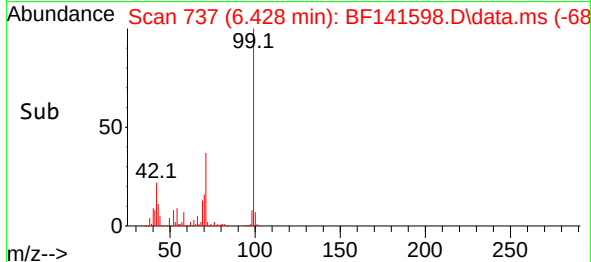
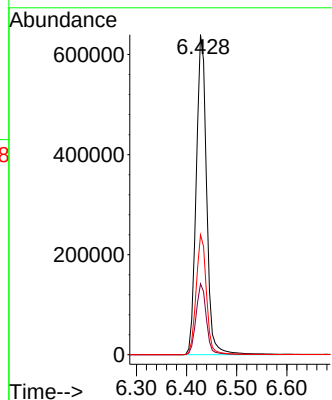
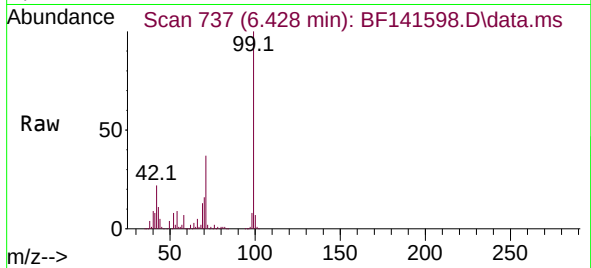




#7
Phenol-d6
Concen: 133.390 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

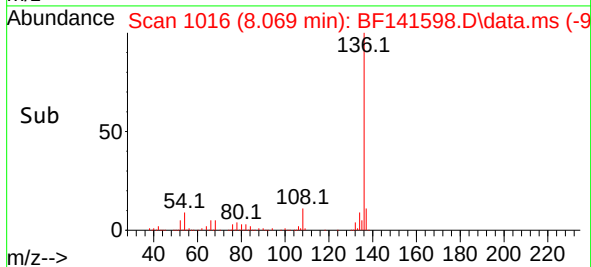
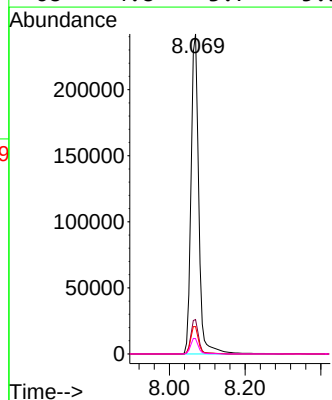
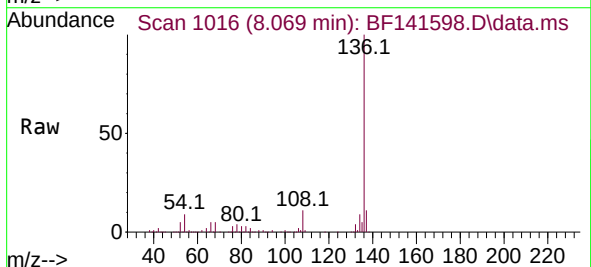
Instrument :
BNA_F
ClientSampleId :
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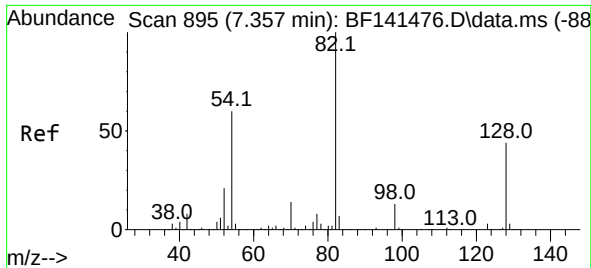
Tgt Ion: 99 Resp: 920384
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 37.5 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

Tgt Ion: 136 Resp: 341792
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 97.033 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

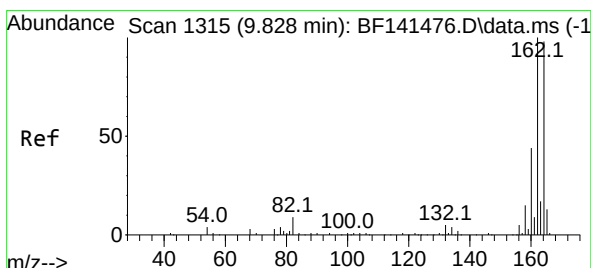
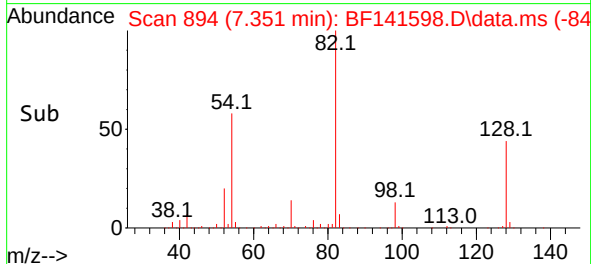
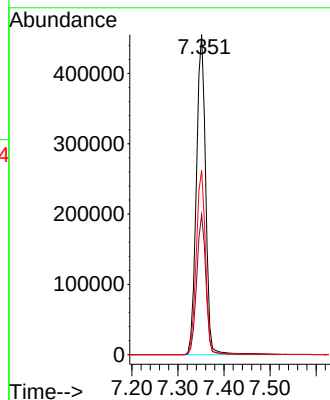
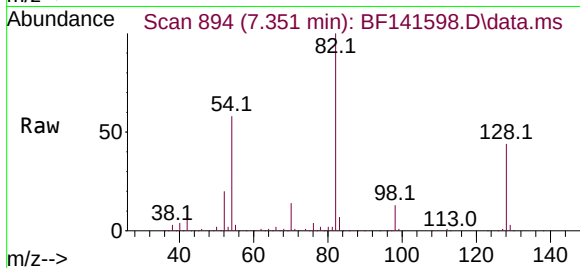
Tgt Ion: 82 Resp: 635854

Ion Ratio Lower Upper

82 100

128 43.7 34.8 52.2

54 57.6 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

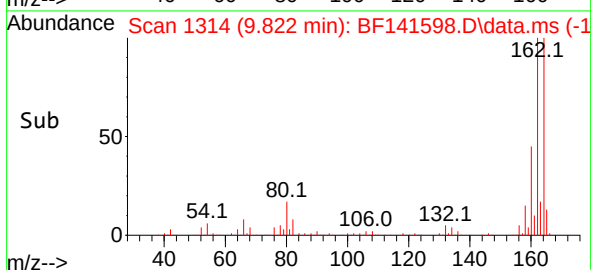
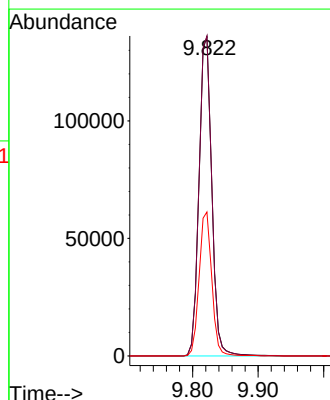
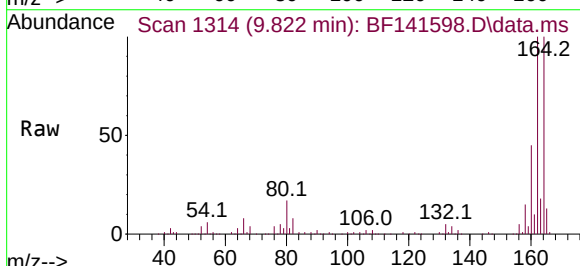
Tgt Ion:164 Resp: 183996

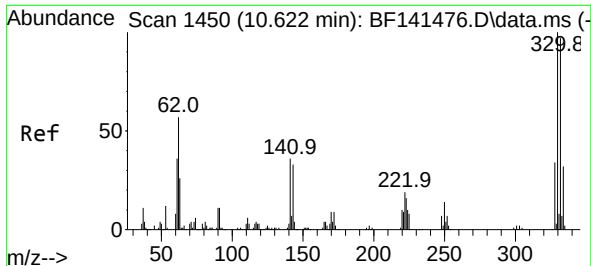
Ion Ratio Lower Upper

164 100

162 100.2 81.3 121.9

160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 142.381 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.017 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

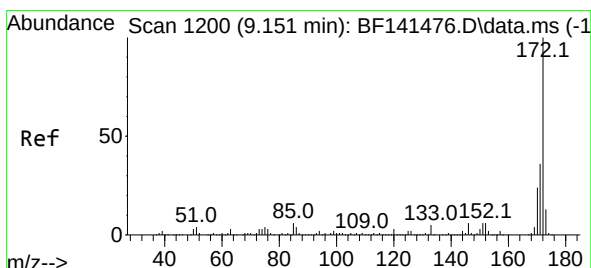
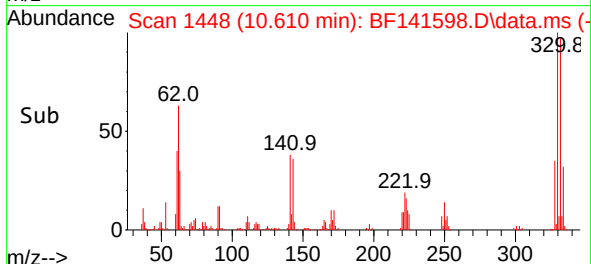
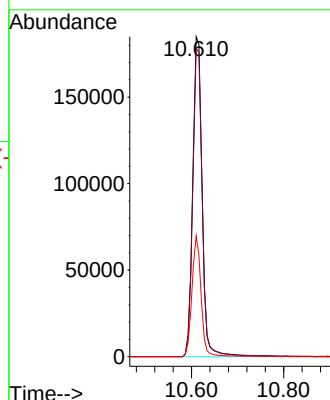
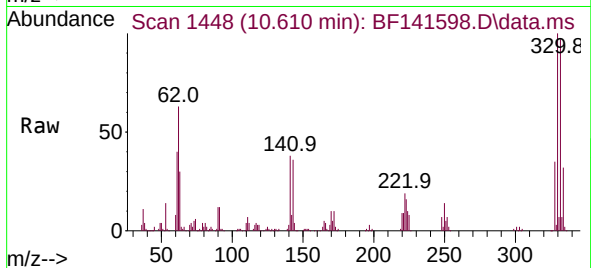
Tgt Ion:330 Resp: 263167

Ion Ratio Lower Upper

330 100

332 96.6 78.5 117.7

141 36.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 97.714 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141598.D

Acq: 12 Feb 2025 18:46

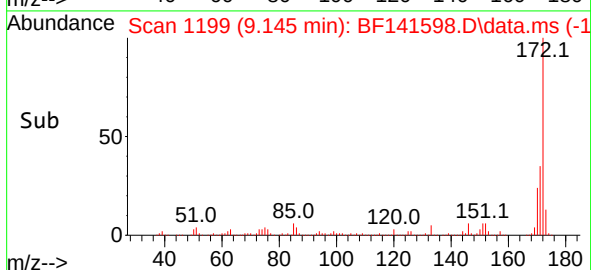
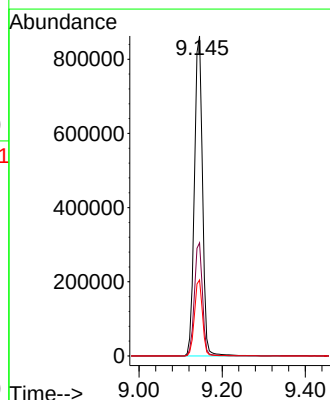
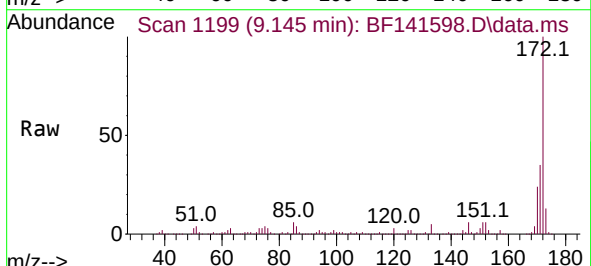
Tgt Ion:172 Resp: 1166980

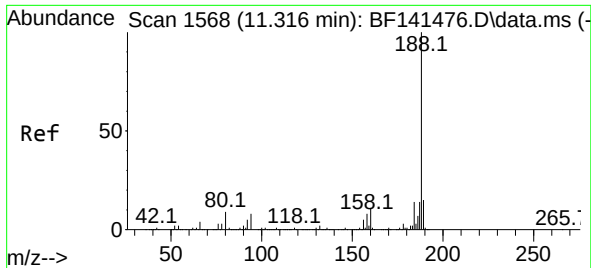
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.7 18.9 28.3

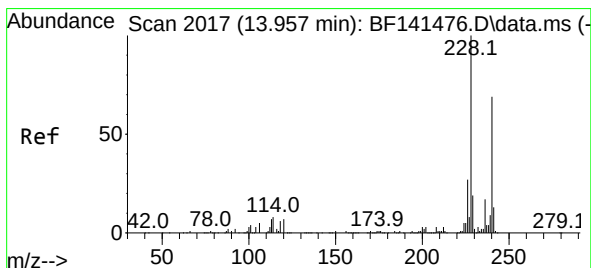
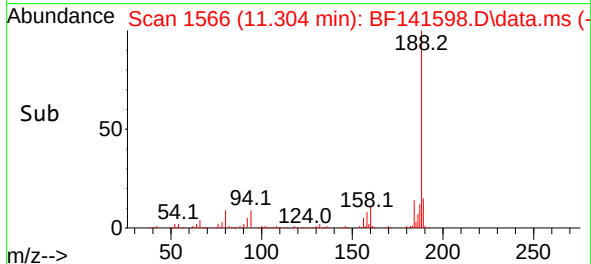
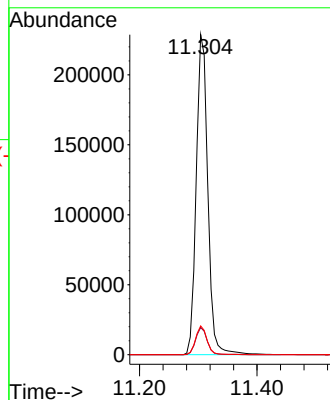
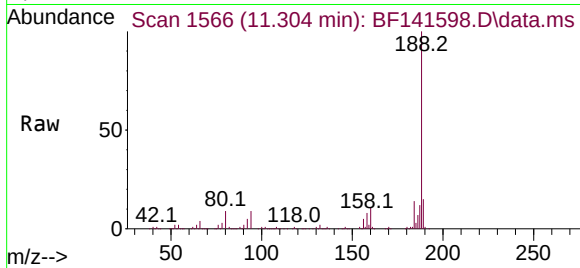




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

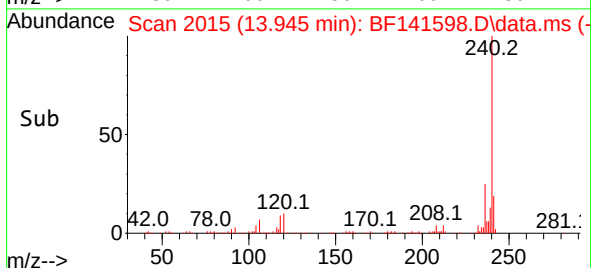
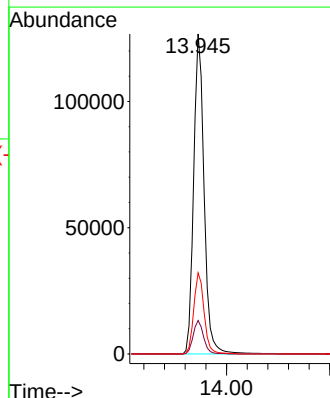
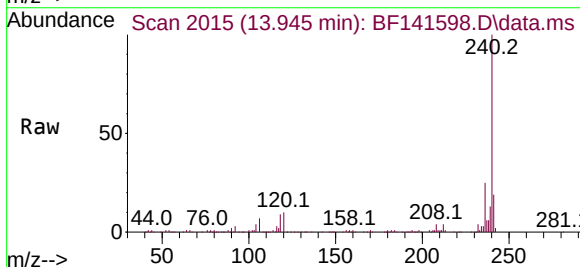
Instrument :
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SOIL-COMP

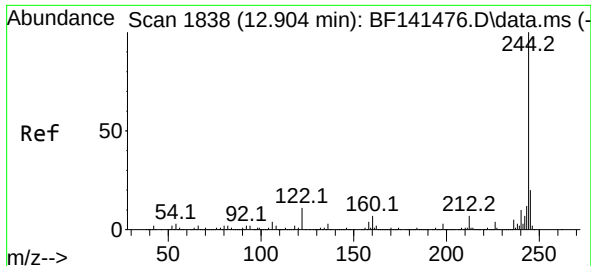
Tgt Ion:188 Resp: 311821
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.0 7.3 10.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141598.D
Acq: 12 Feb 2025 18:46

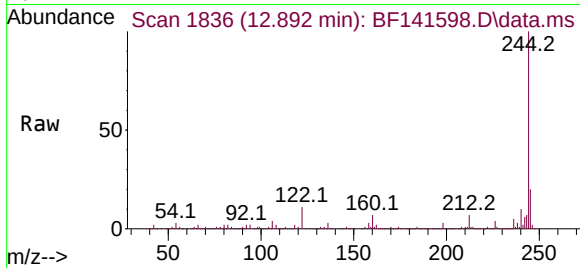
Tgt Ion:240 Resp: 177859
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 25.4 19.8 29.8



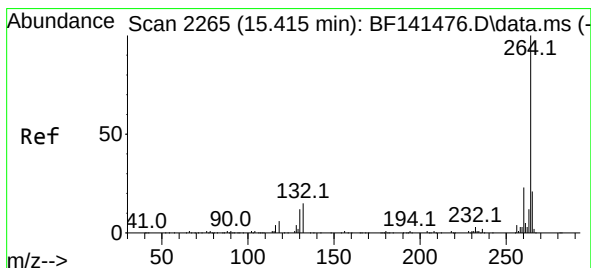
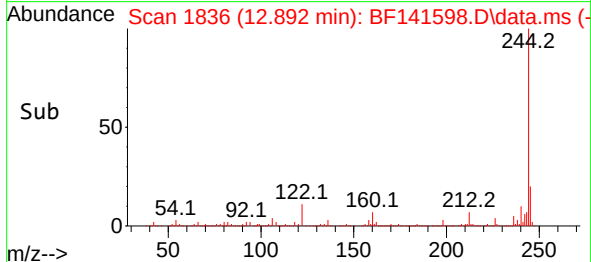
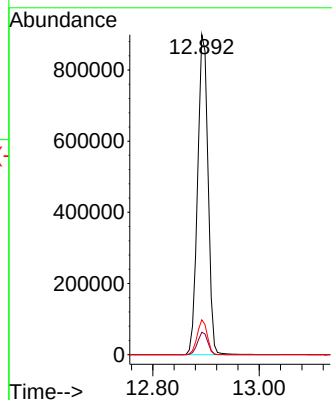


#79
 Terphenyl-d14
 Concen: 115.528 ng
 RT: 12.892 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF141598.D
 Acq: 12 Feb 2025 18:46

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:244 Resp: 1217159
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.9 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 2262
 Delta R.T. -0.017 min
 Lab File: BF141598.D
 Acq: 12 Feb 2025 18:46

Tgt Ion:264 Resp: 151277
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.6 28.0
 265 20.3 17.0 25.4

