

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141614.D
 Acq On : 13 Feb 2025 15:03
 Operator : RC/JU
 Sample : Q1356-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Feb 13 15:32:31 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	100655	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	407167	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	227613	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	409558	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	314278	20.000	ng	-0.02
86) Perylene-d12	15.404	264	228130	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	824365	128.398	ng	0.02
7) Phenol-d6	6.428	99	959697	118.265	ng	-0.01
23) Nitrobenzene-d5	7.351	82	737101	94.423	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	337180	147.467	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1380549	93.445	ng	0.00
79) Terphenyl-d14	12.898	244	1738518	93.386	ng	0.00

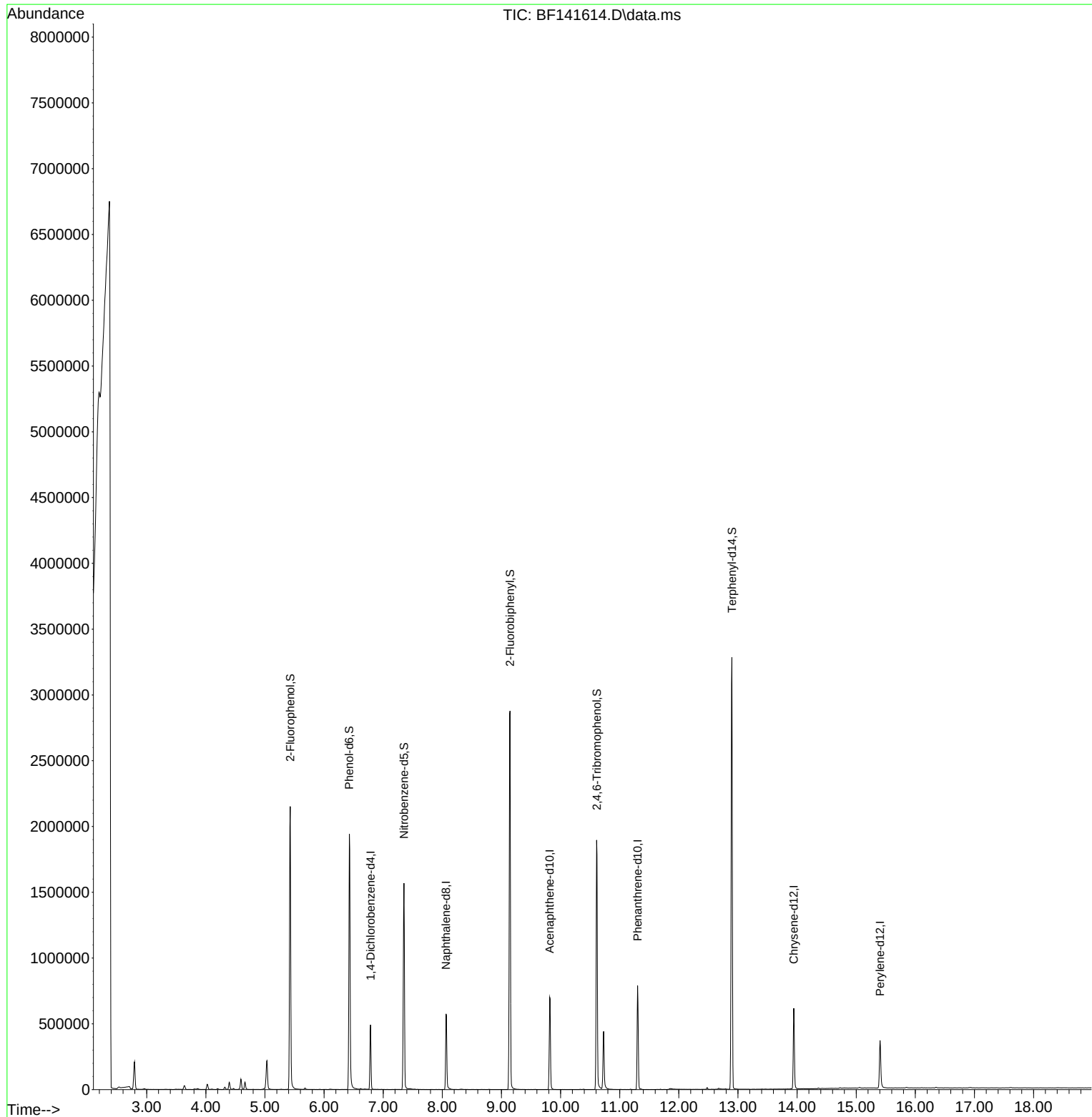
Target Compounds	Qvalue

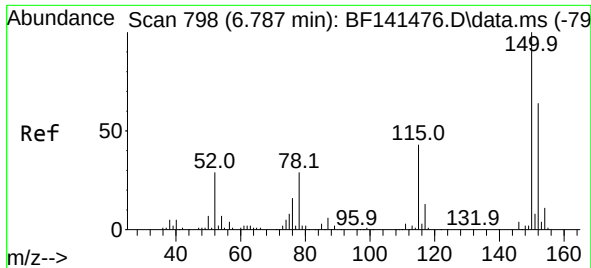
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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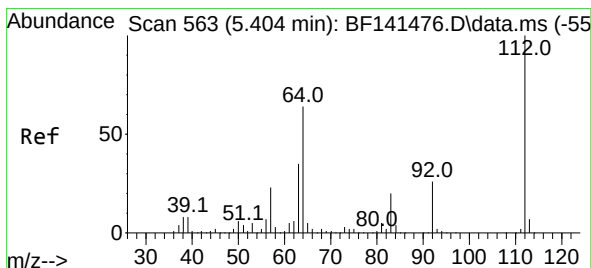
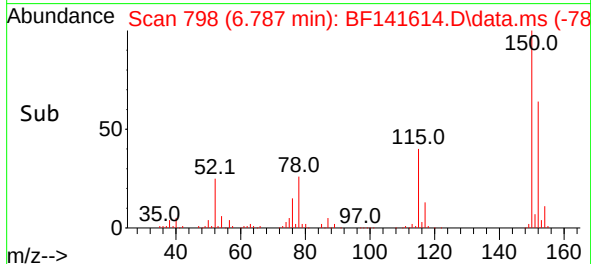
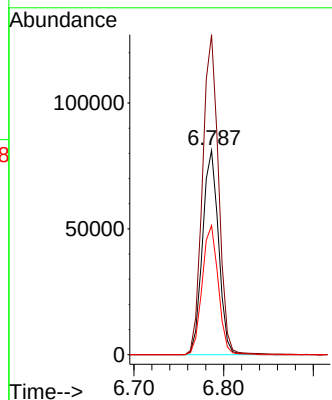
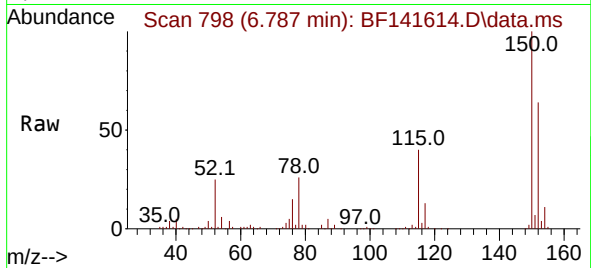




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

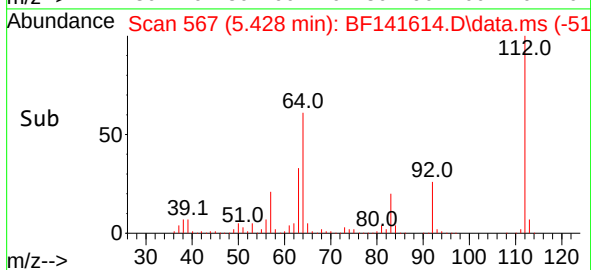
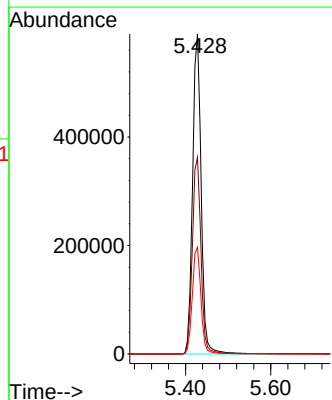
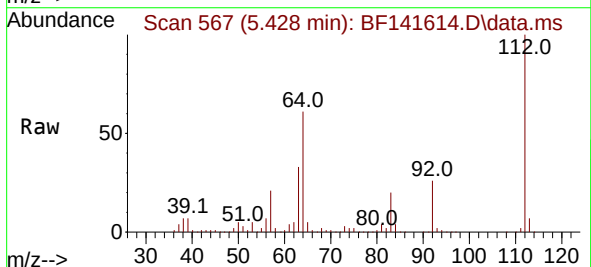
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

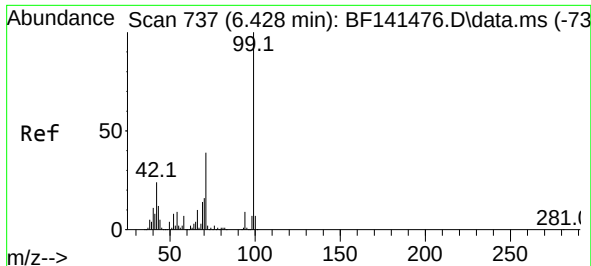
Tgt Ion:152 Resp: 100655
Ion Ratio Lower Upper
152 100
150 156.6 125.0 187.4
115 63.2 53.6 80.4



#5
2-Fluorophenol
Concen: 128.398 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion:112 Resp: 824365
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 33.3 28.4 42.6

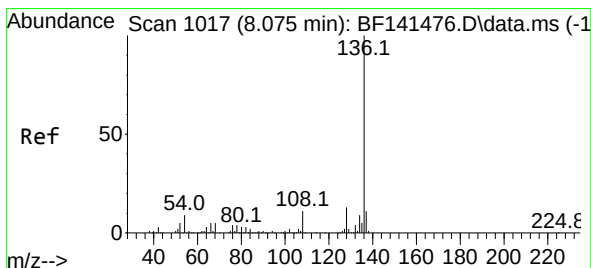
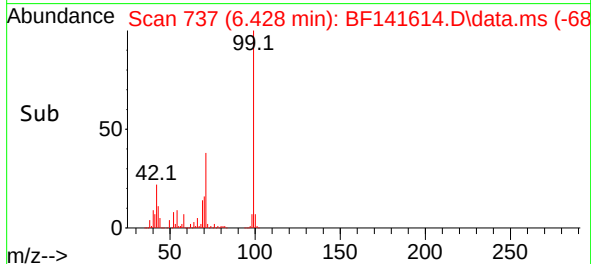
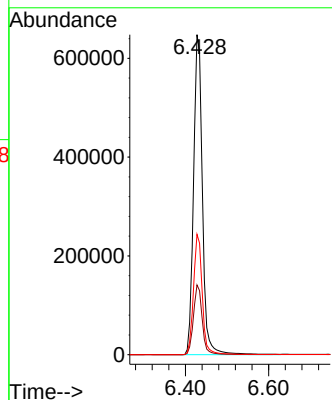
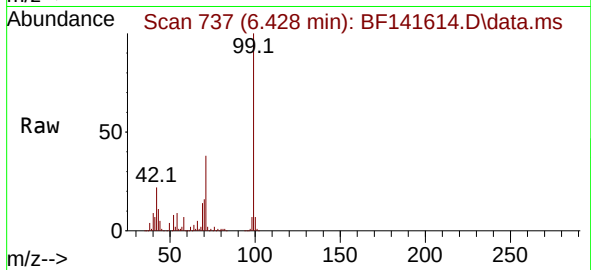




#7
Phenol-d6
Concen: 118.265 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

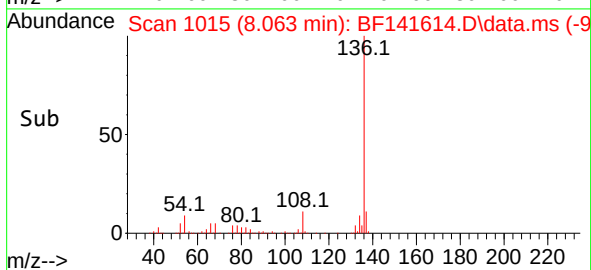
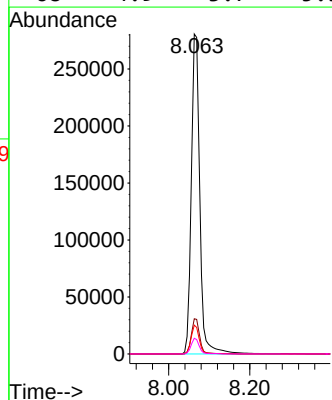
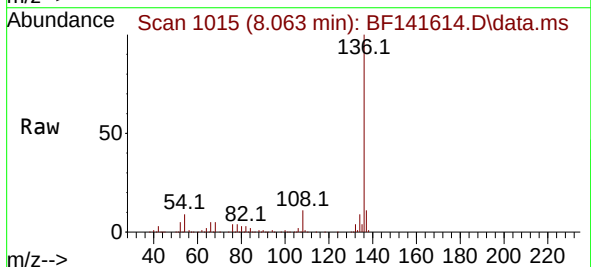
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

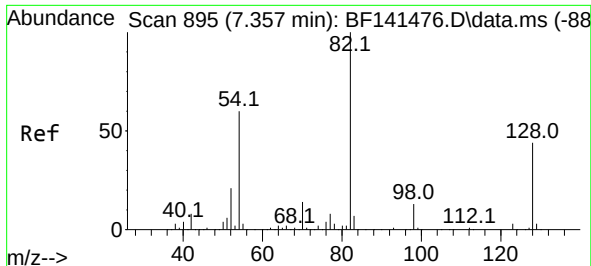
Tgt Ion: 99 Resp: 959697
Ion Ratio Lower Upper
99 100
42 21.8 19.1 28.7
71 37.6 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141614.D
Acq: 13 Feb 2025 15:03

Tgt Ion: 136 Resp: 407167
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.2 10.8
68 4.9 3.7 5.5

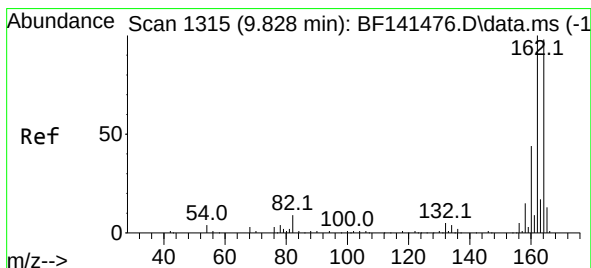
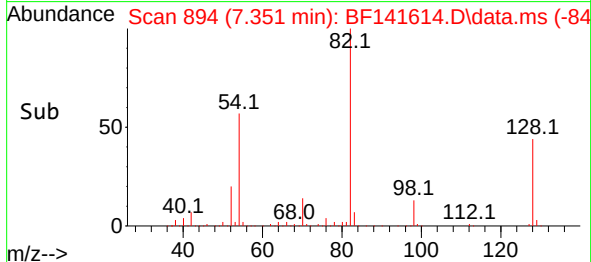
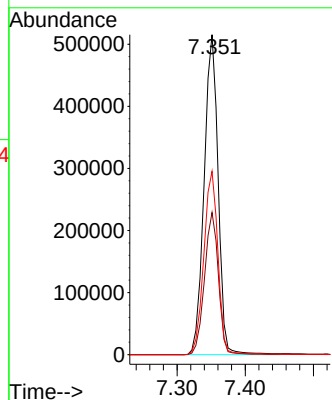
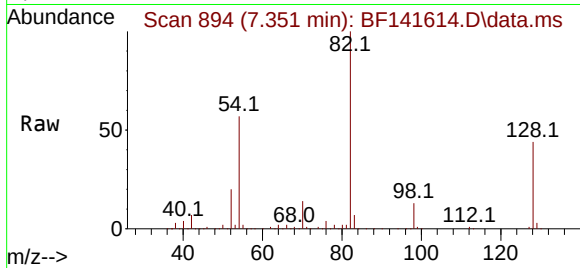




#23
 Nitrobenzene-d5
 Concen: 94.423 ng
 RT: 7.351 min Scan# 894
 Delta R.T. -0.012 min
 Lab File: BF141614.D
 Acq: 13 Feb 2025 15:03

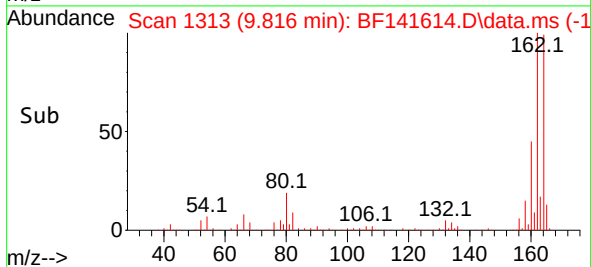
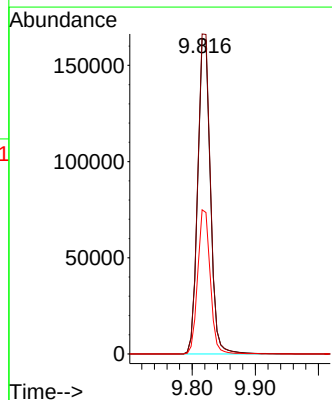
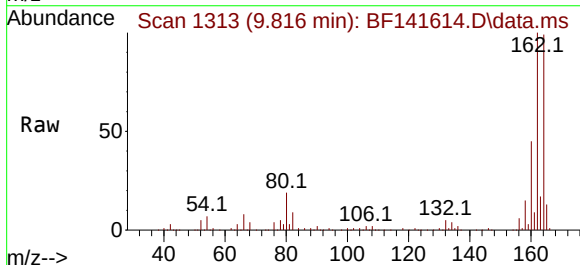
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

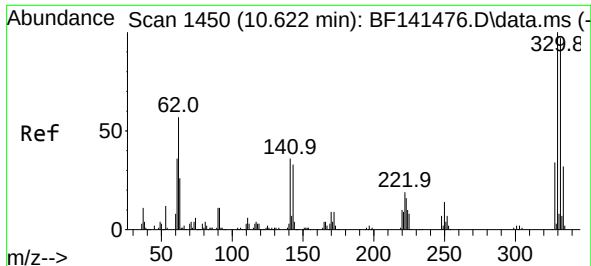
Tgt Ion: 82 Resp: 737101
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.8 52.2
 54 57.3 48.2 72.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.816 min Scan# 1313
 Delta R.T. -0.018 min
 Lab File: BF141614.D
 Acq: 13 Feb 2025 15:03

Tgt Ion:164 Resp: 227613
 Ion Ratio Lower Upper
 164 100
 162 101.5 81.3 121.9
 160 45.7 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 147.467 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141614.D

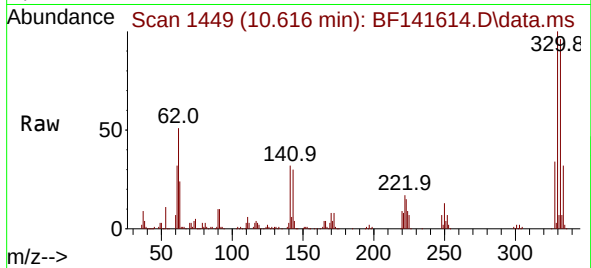
Acq: 13 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE



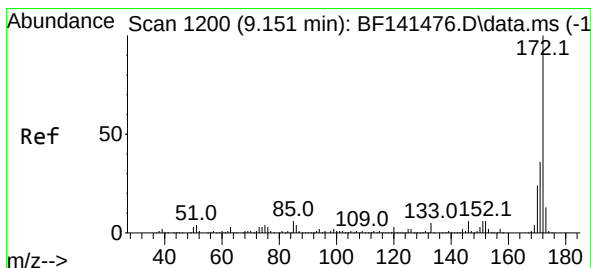
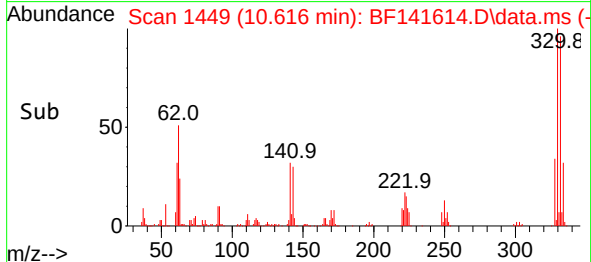
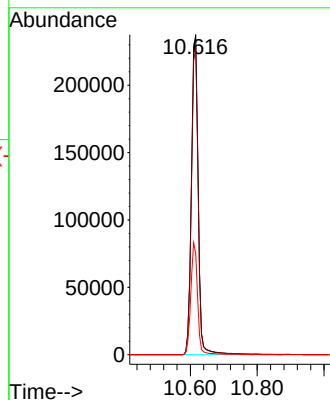
Tgt Ion:330 Resp: 337180

Ion Ratio Lower Upper

330 100

332 95.4 78.5 117.7

141 34.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 93.445 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141614.D

Acq: 13 Feb 2025 15:03

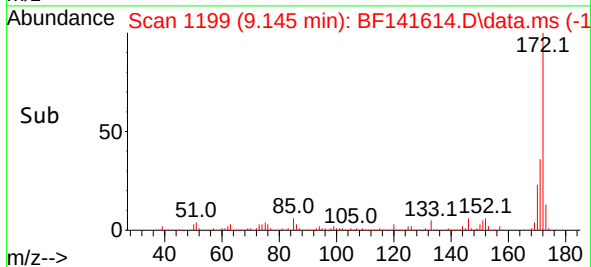
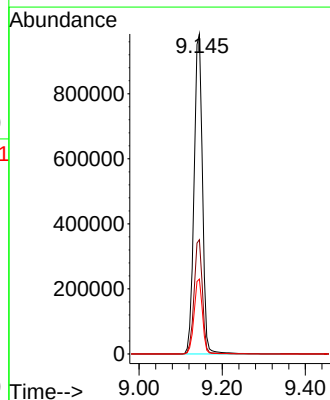
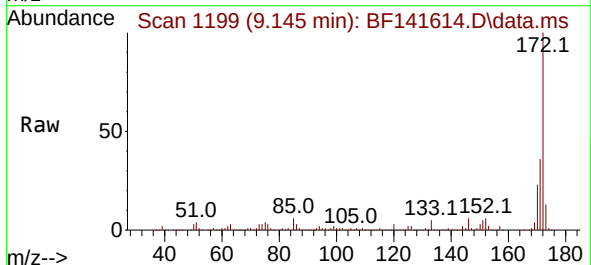
Tgt Ion:172 Resp: 1380549

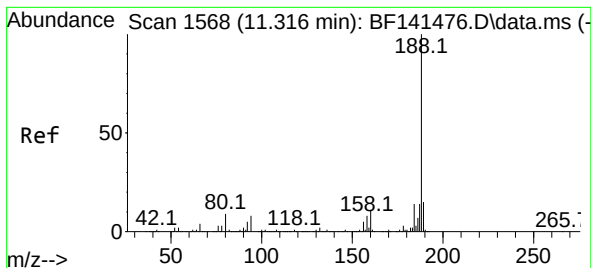
Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.4 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: BF141614.D

Acq: 13 Feb 2025 15:03

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

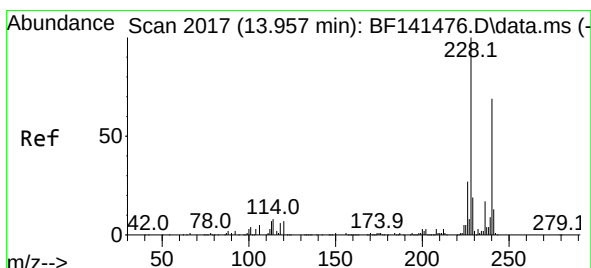
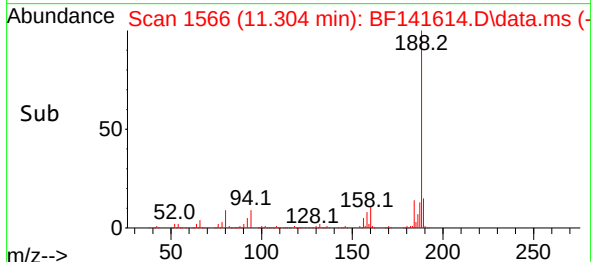
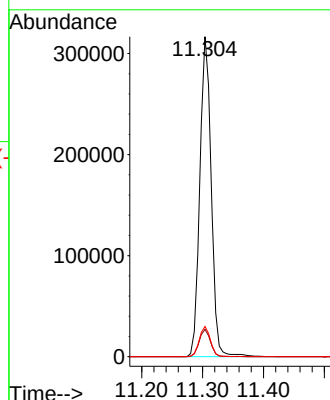
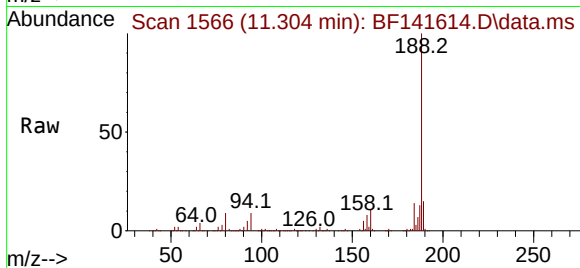
Tgt Ion:188 Resp: 409558

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.5 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141614.D

Acq: 13 Feb 2025 15:03

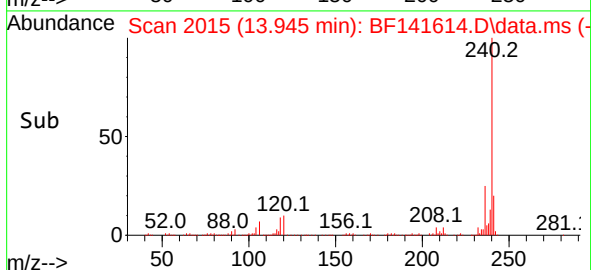
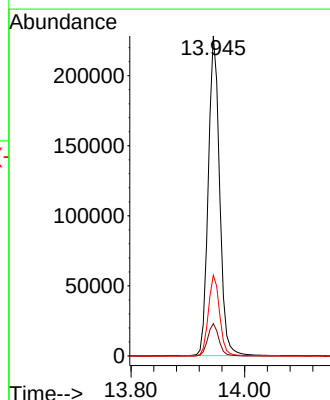
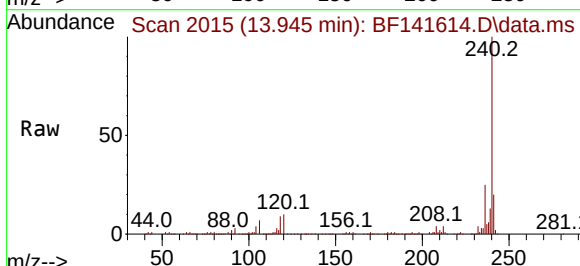
Tgt Ion:240 Resp: 314278

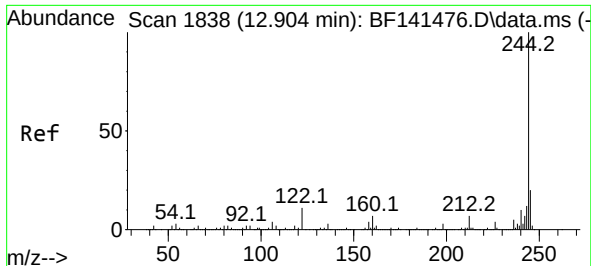
Ion Ratio Lower Upper

240 100

120 10.1 8.0 12.0

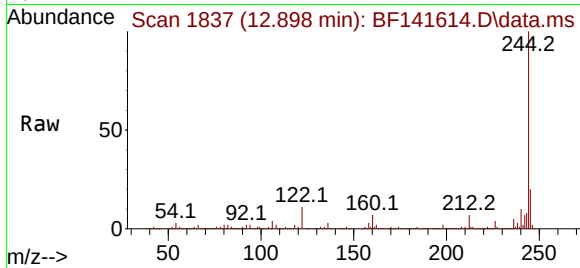
236 25.2 19.8 29.8



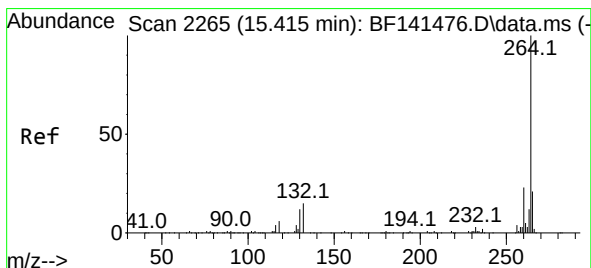
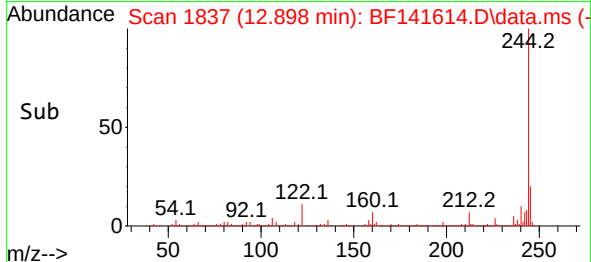
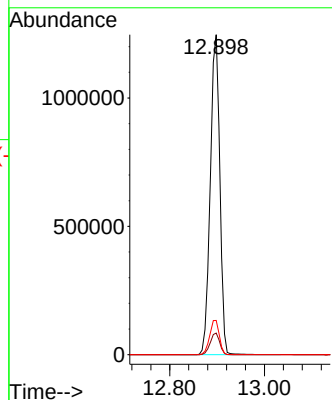


#79
 Terphenyl-d14
 Concen: 93.386 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141614.D
 Acq: 13 Feb 2025 15:03

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE



Tgt Ion:244 Resp: 1738518
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.7 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2263
 Delta R.T. -0.012 min
 Lab File: BF141614.D
 Acq: 13 Feb 2025 15:03

Tgt Ion:264 Resp: 228130
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 21.4 17.0 25.4

