

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143861.D
 Acq On : 02 Oct 2025 18:10
 Operator : RC/JU
 Sample : Q3256-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-2-WC

Quant Time: Oct 02 18:32:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	124045	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	479111	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	265963	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	465080	20.000	ng	0.00
76) Chrysene-d12	14.051	240	413855	20.000	ng	-0.01
86) Perylene-d12	15.533	264	457022	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	886235	116.076	ng	0.01
7) Phenol-d6	6.504	99	974947	110.517	ng	0.00
23) Nitrobenzene-d5	7.445	82	710764	90.808	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	346608	88.016	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1457924	85.541	ng	0.00
79) Terphenyl-d14	12.998	244	2242747	110.212	ng	0.00

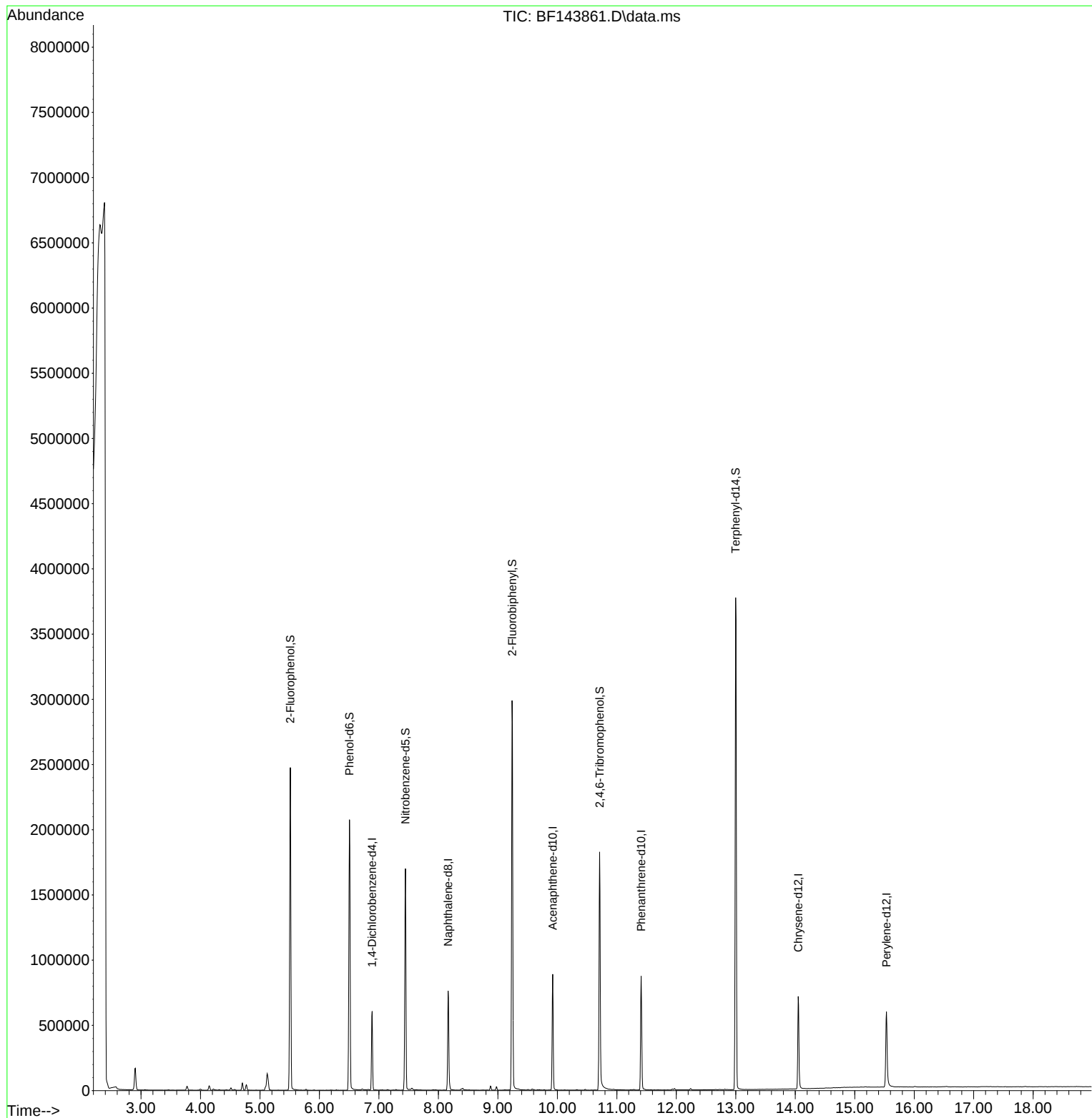
Target Compounds Qvalue

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

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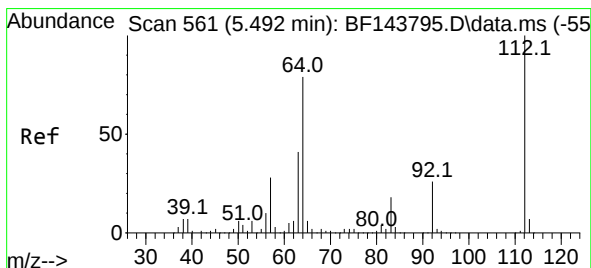
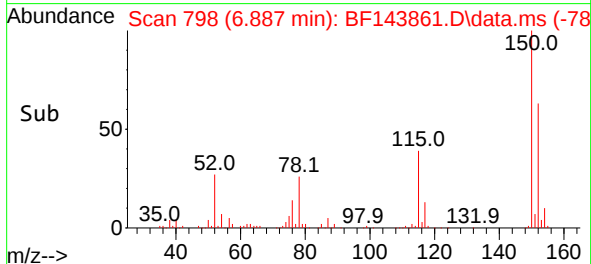
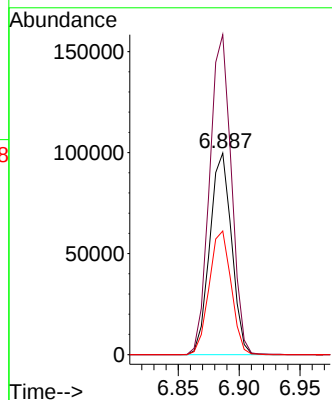
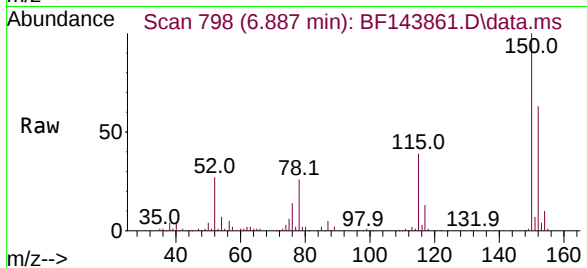




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143861.D
 Acq: 02 Oct 2025 18:10

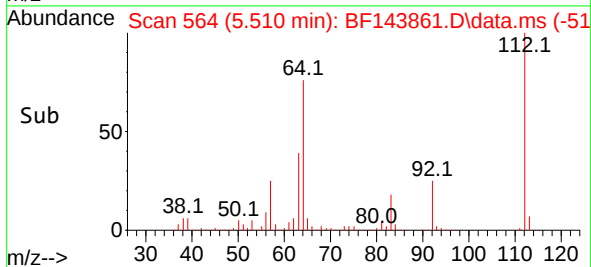
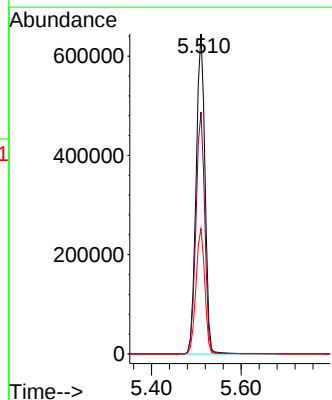
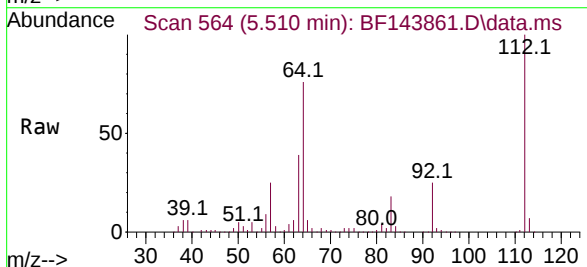
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-2-WC

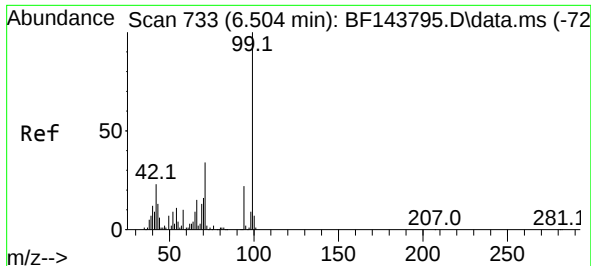
Tgt Ion:152 Resp: 124045
 Ion Ratio Lower Upper
 152 100
 150 158.8 129.6 194.4
 115 61.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 116.076 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: BF143861.D
 Acq: 02 Oct 2025 18:10

Tgt Ion:112 Resp: 886235
 Ion Ratio Lower Upper
 112 100
 64 75.6 63.0 94.4
 63 39.2 32.6 49.0

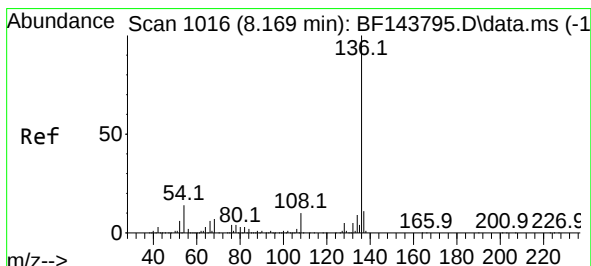
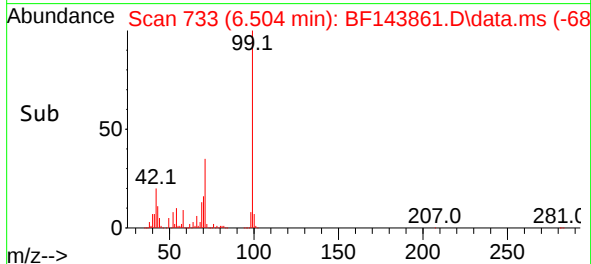
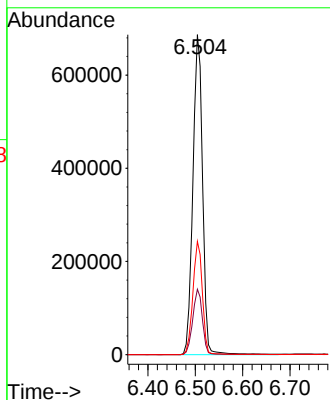
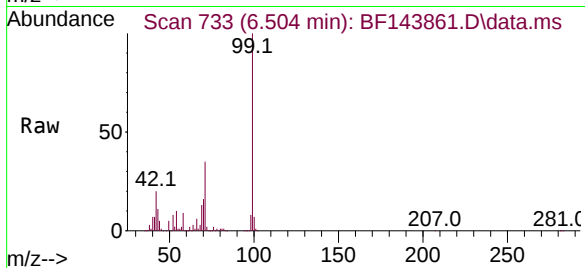




#7
Phenol-d6
Concen: 110.517 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143861.D
Acq: 02 Oct 2025 18:10

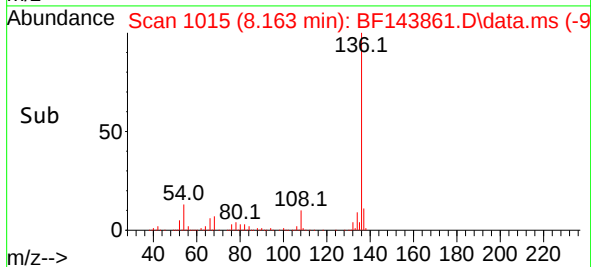
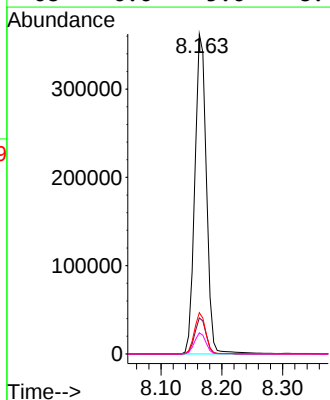
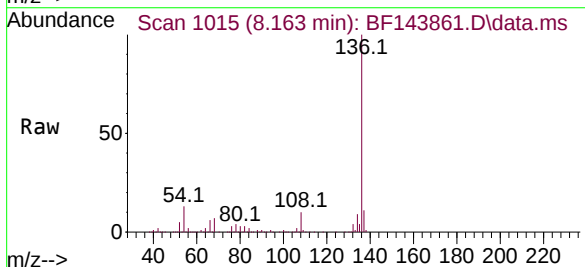
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-2-WC

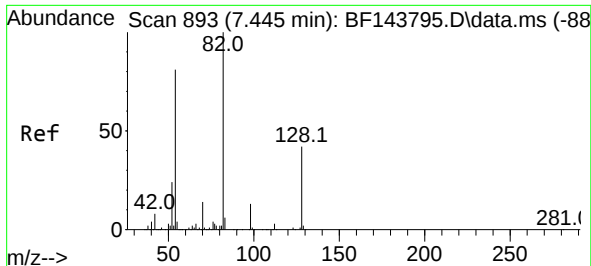
Tgt Ion: 99 Resp: 974947
Ion Ratio Lower Upper
99 100
42 20.4 18.6 28.0
71 35.4 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143861.D
Acq: 02 Oct 2025 18:10

Tgt Ion: 136 Resp: 479111
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 12.9 11.2 16.8
68 6.6 5.6 8.4

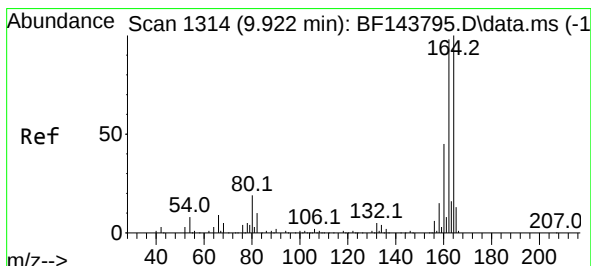
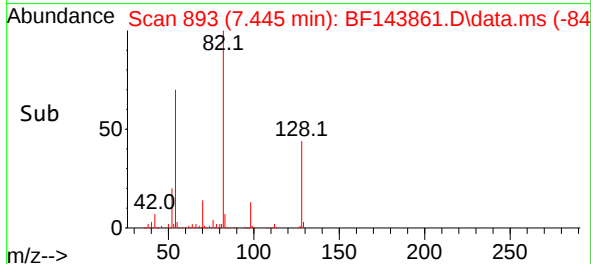
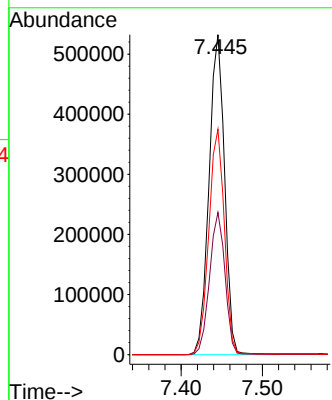
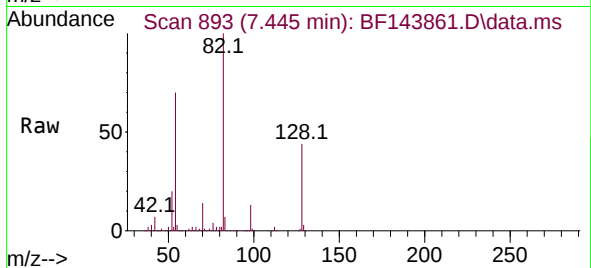




#23
Nitrobenzene-d5
Concen: 90.808 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143861.D
Acq: 02 Oct 2025 18:10

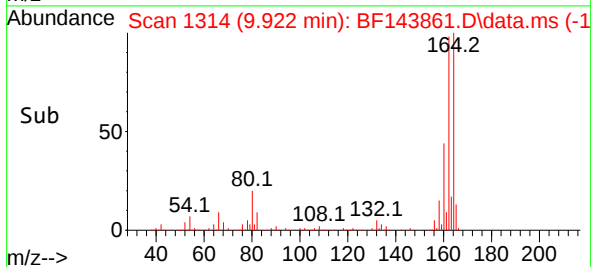
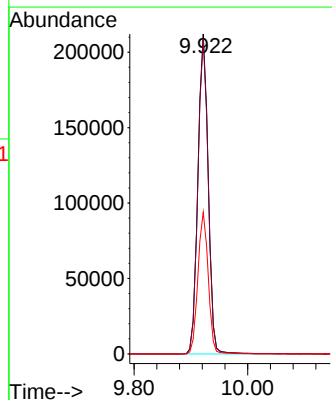
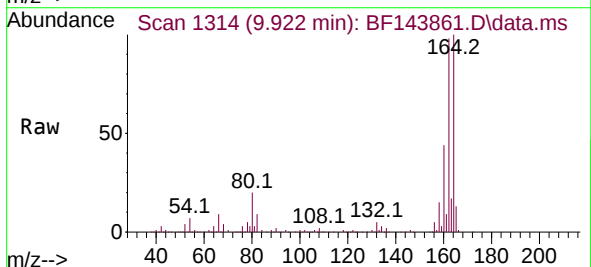
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-2-WC

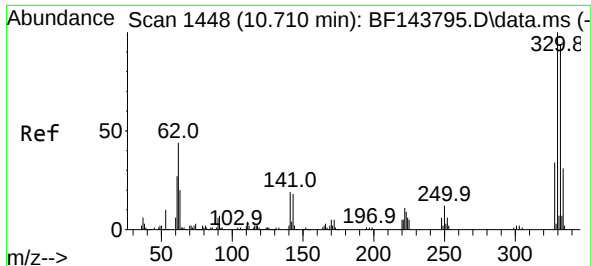
Tgt Ion: 82 Resp: 710764
Ion Ratio Lower Upper
82 100
128 44.4 33.3 49.9
54 70.4 64.2 96.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143861.D
Acq: 02 Oct 2025 18:10

Tgt Ion: 164 Resp: 265963
Ion Ratio Lower Upper
164 100
162 98.3 78.8 118.2
160 44.3 35.8 53.6

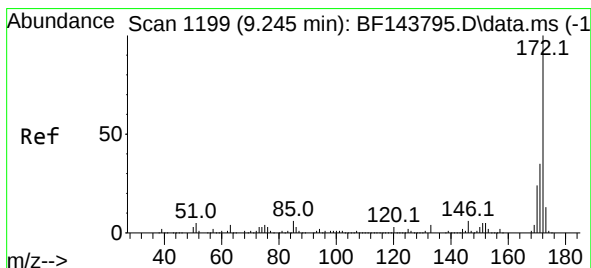
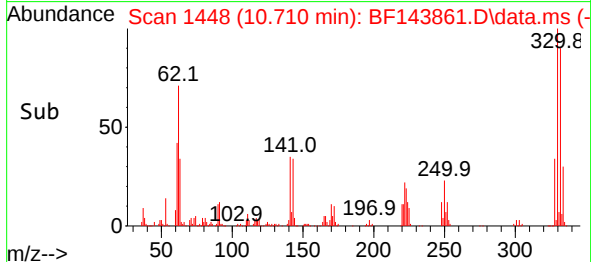
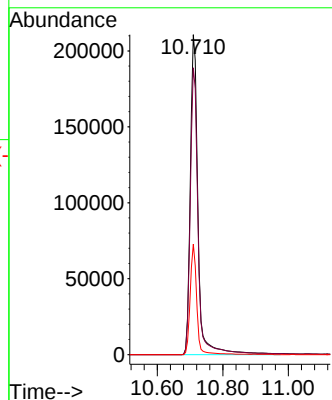
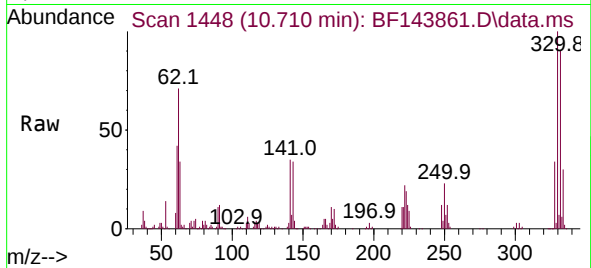




#42
 2,4,6-Tribromophenol
 Concen: 88.016 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. -0.006 min
 Lab File: BF143861.D
 Acq: 02 Oct 2025 18:10

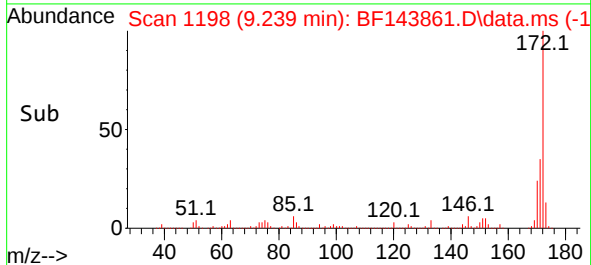
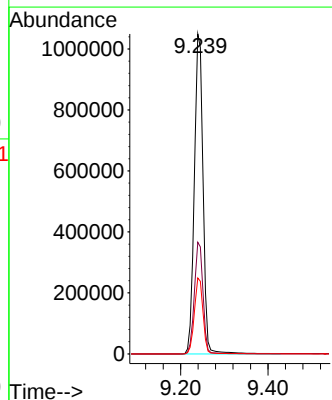
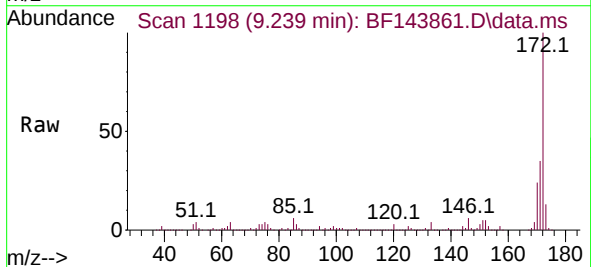
Instrument :
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 ClientSampleId :
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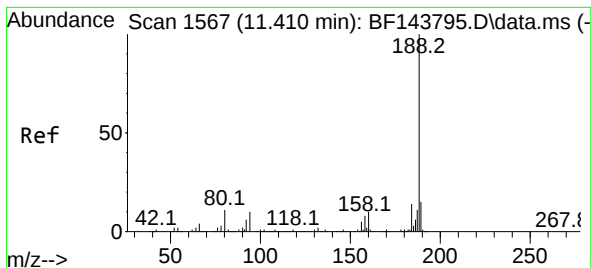
Tgt Ion: 330 Resp: 346608
 Ion Ratio Lower Upper
 330 100
 332 90.1 74.7 112.1
 141 29.2 14.3 21.5#



#45
 2-Fluorobiphenyl
 Concen: 85.541 ng
 RT: 9.239 min Scan# 1198
 Delta R.T. -0.006 min
 Lab File: BF143861.D
 Acq: 02 Oct 2025 18:10

Tgt Ion: 172 Resp: 1457924
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.9 41.9
 170 23.7 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143861.D

Acq: 02 Oct 2025 18:10

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-2-WC

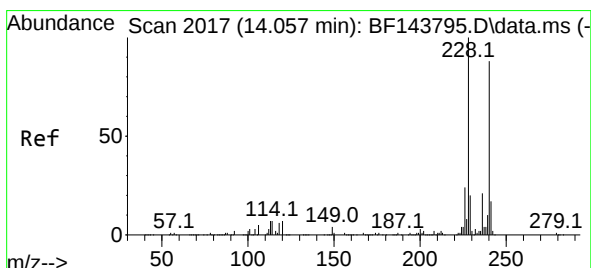
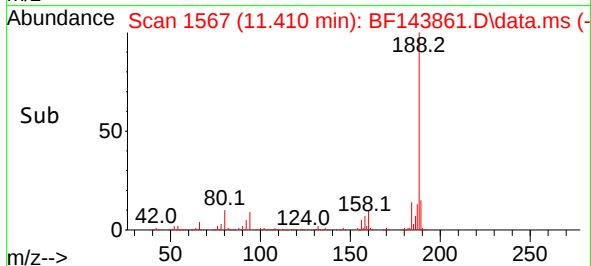
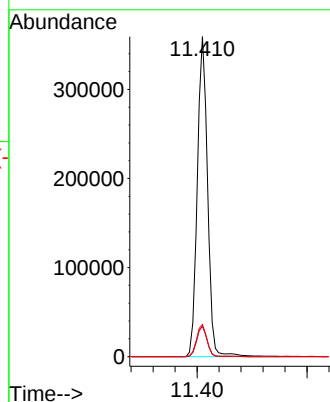
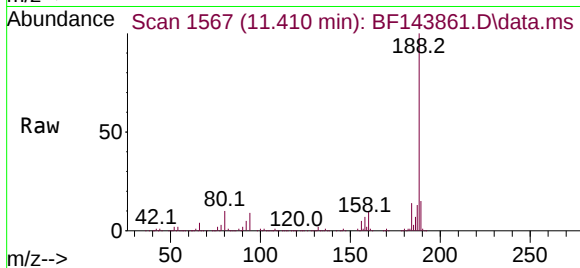
Tgt Ion:188 Resp: 465080

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

80 10.0 8.6 12.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF143861.D

Acq: 02 Oct 2025 18:10

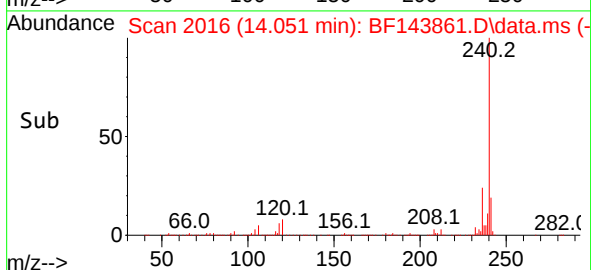
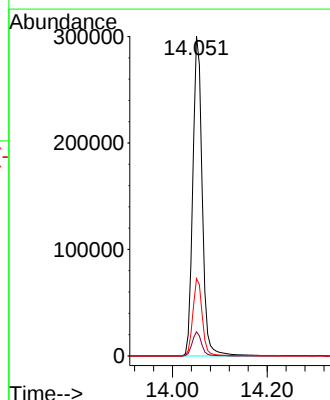
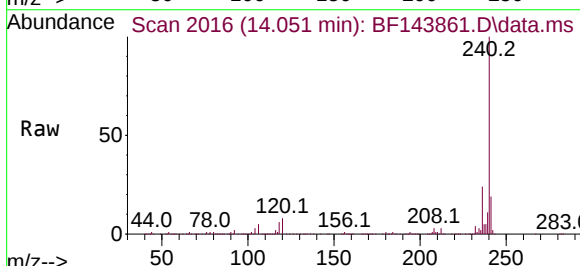
Tgt Ion:240 Resp: 413855

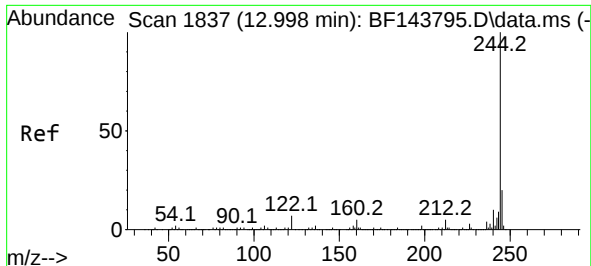
Ion Ratio Lower Upper

240 100

120 7.5 6.2 9.4

236 24.2 19.4 29.2

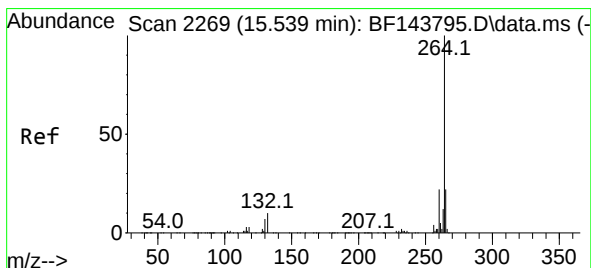
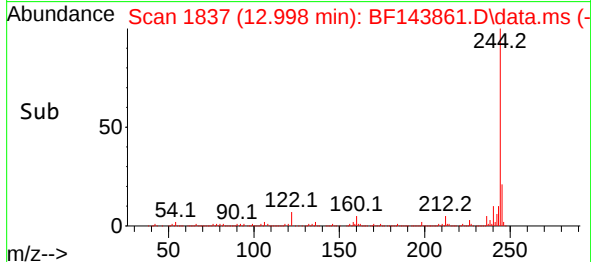
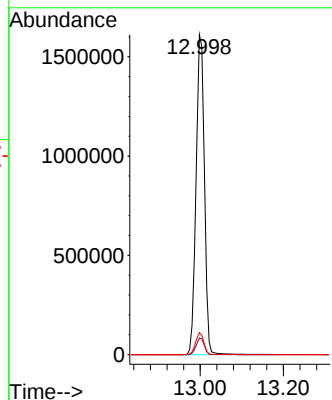
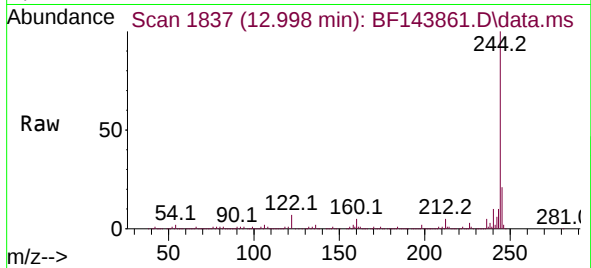




#79
 Terphenyl-d14
 Concen: 110.212 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143861.D
 Acq: 02 Oct 2025 18:10

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:244 Resp: 2242747
 Ion Ratio Lower Upper
 244 100
 212 5.2 3.9 5.9
 122 6.9 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF143861.D
 Acq: 02 Oct 2025 18:10

Tgt Ion:264 Resp: 457022
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.9 26.9
 265 22.0 17.7 26.5

