

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143858.D
 Acq On : 02 Oct 2025 16:43
 Operator : RC/JU
 Sample : Q3256-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1-WC

Quant Time: Oct 02 17:03:36 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	125565	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	483492	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	267014	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	472270	20.000	ng	0.00
76) Chrysene-d12	14.051	240	463080	20.000	ng	-0.01
86) Perylene-d12	15.533	264	490325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	883443	114.310	ng	0.01
7) Phenol-d6	6.510	99	997302	111.683	ng	0.00
23) Nitrobenzene-d5	7.445	82	703285	89.038	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	379621	96.020	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1433980	83.805	ng	0.00
79) Terphenyl-d14	12.998	244	2311546	101.518	ng	0.00

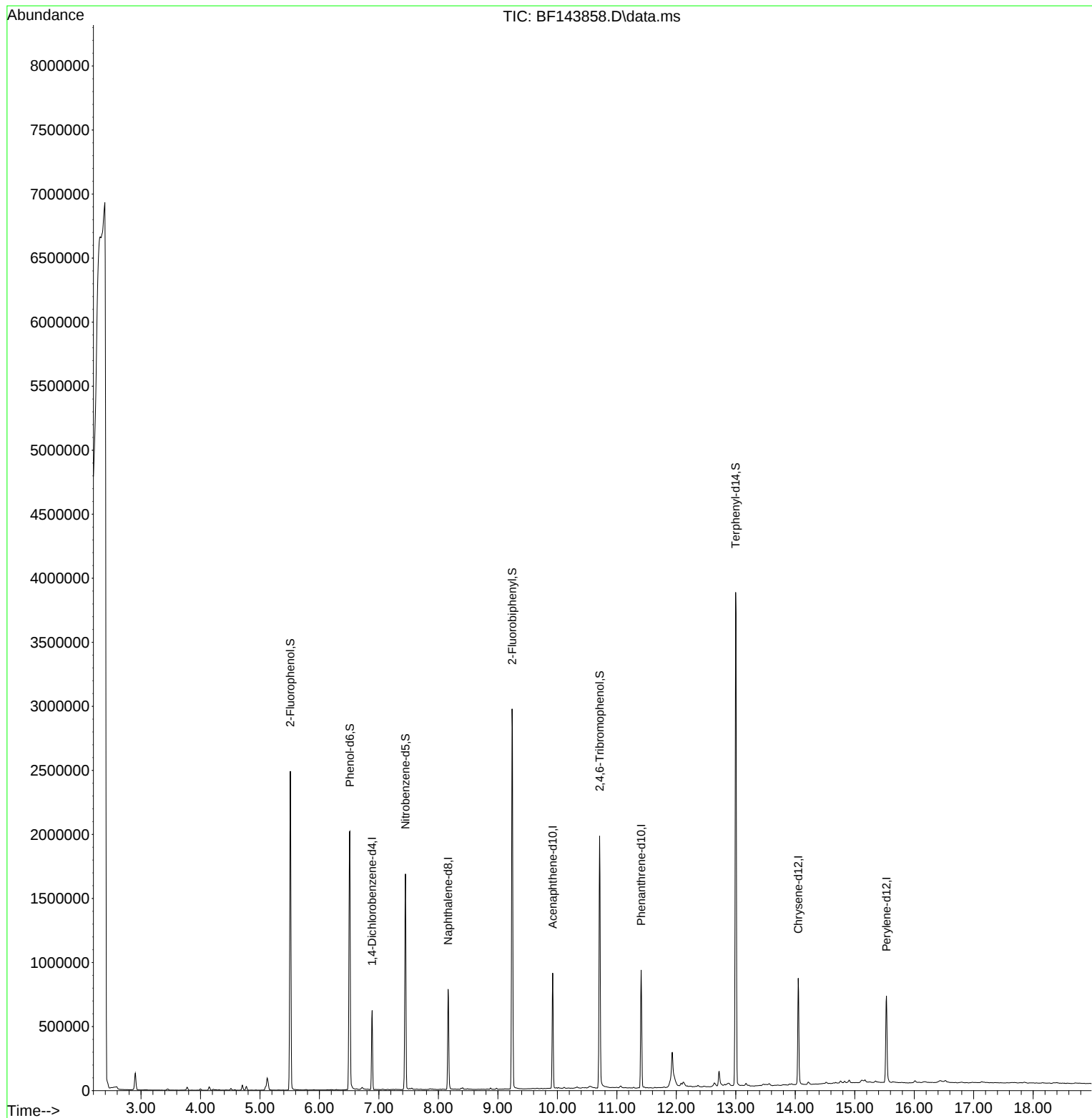
Target Compounds	Qvalue

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

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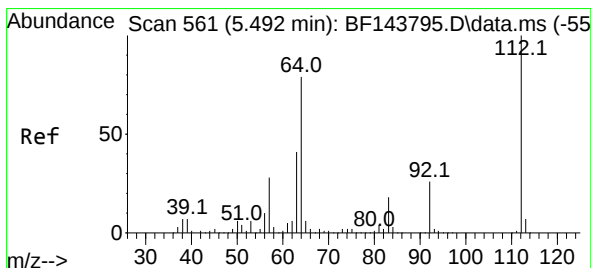
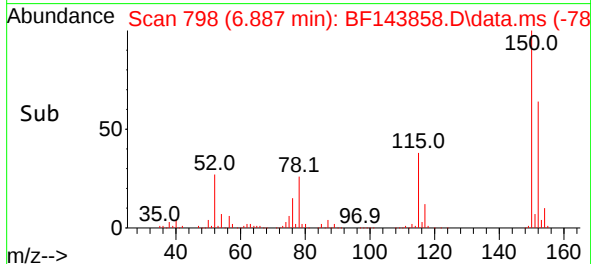
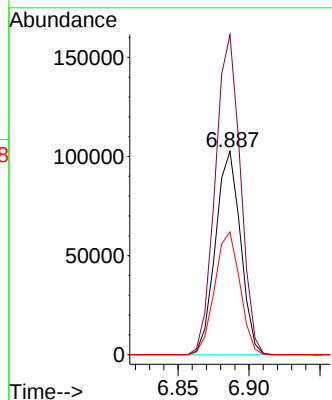
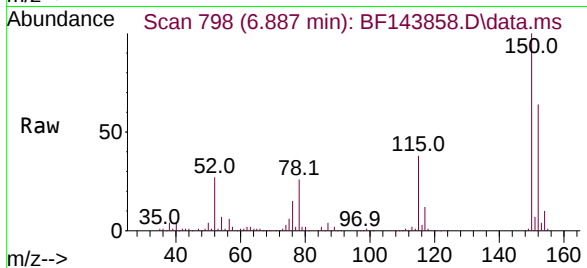




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

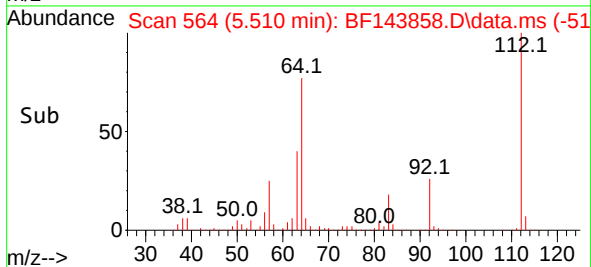
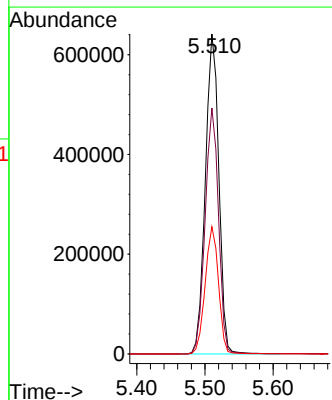
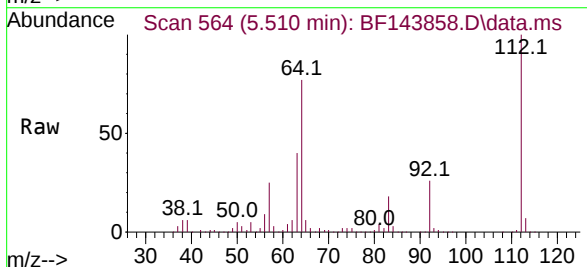
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WC

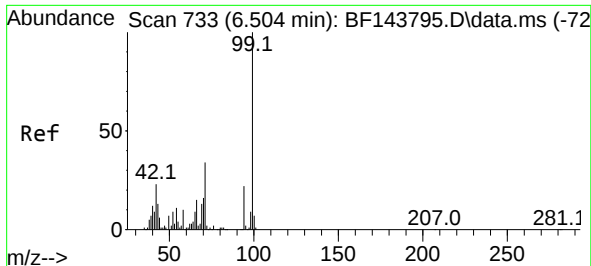
Tgt Ion:152 Resp: 125565
Ion Ratio Lower Upper
152 100
150 157.4 129.6 194.4
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 114.310 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

Tgt Ion:112 Resp: 883443
Ion Ratio Lower Upper
112 100
64 76.8 63.0 94.4
63 39.7 32.6 49.0

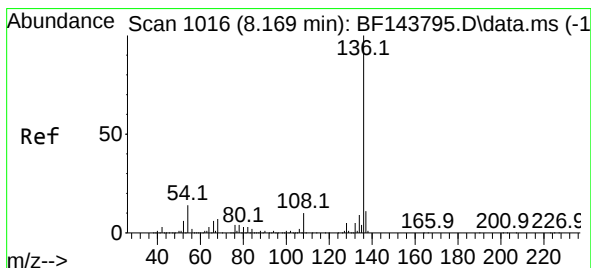
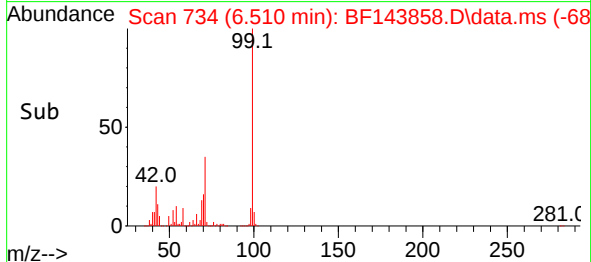
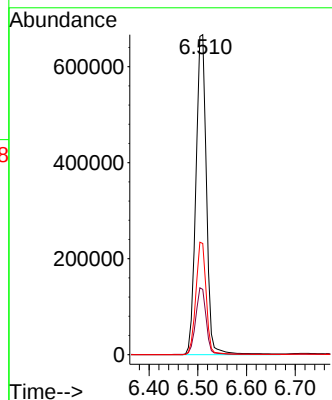
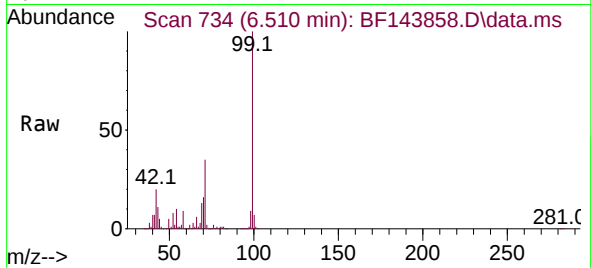




#7
Phenol-d6
Concen: 111.683 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

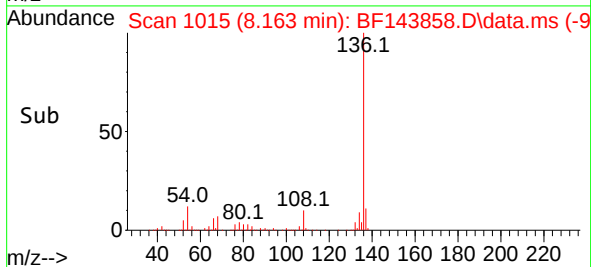
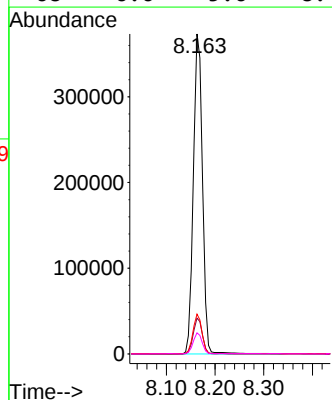
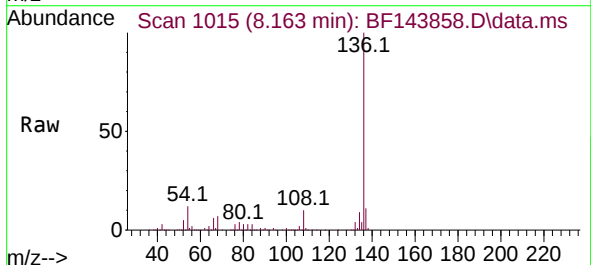
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WC

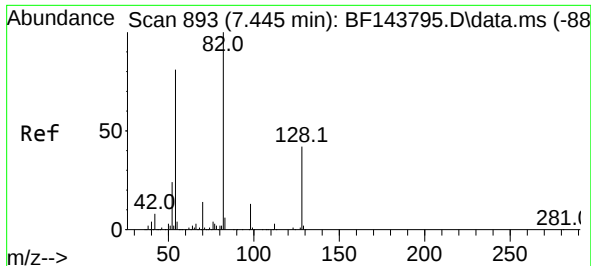
Tgt Ion: 99 Resp: 997302
Ion Ratio Lower Upper
99 100
42 20.4 18.6 28.0
71 34.7 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

Tgt Ion: 136 Resp: 483492
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 12.4 11.2 16.8
68 6.6 5.6 8.4

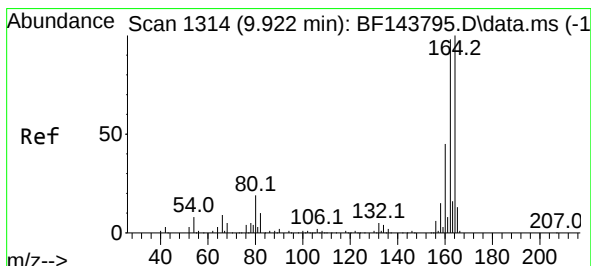
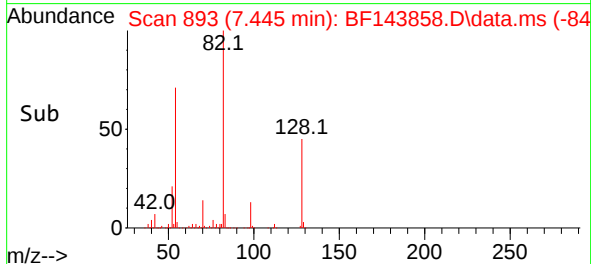
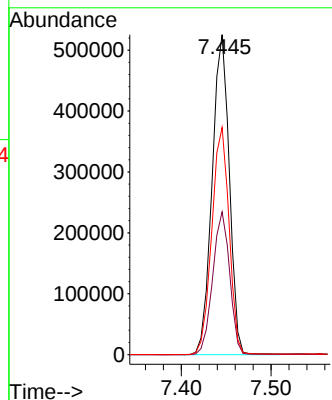
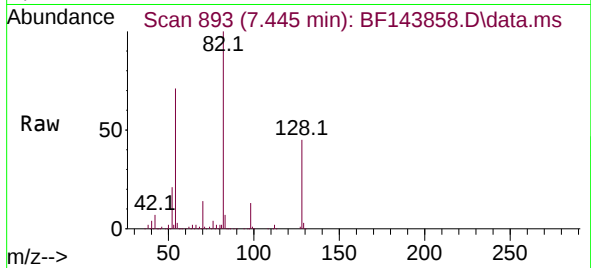




#23
Nitrobenzene-d5
Concen: 89.038 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

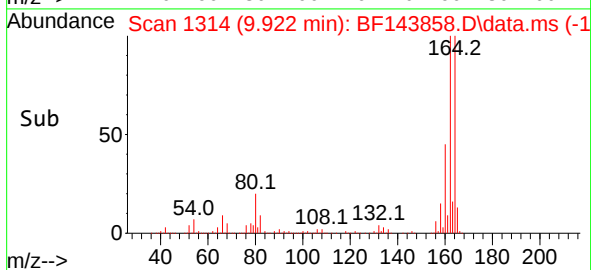
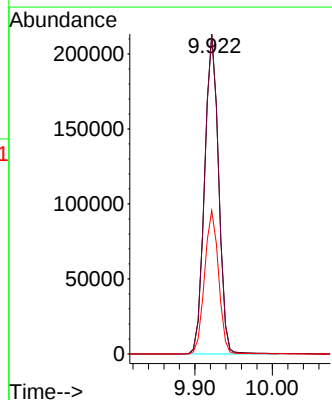
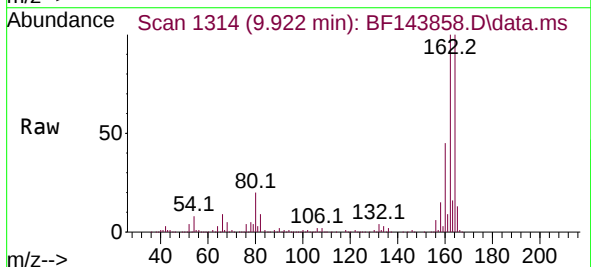
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WC

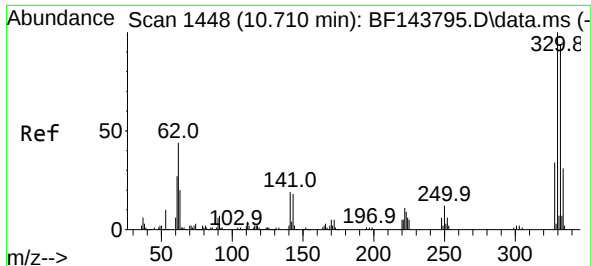
Tgt Ion: 82 Resp: 703285
Ion Ratio Lower Upper
82 100
128 44.6 33.3 49.9
54 71.0 64.2 96.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

Tgt Ion: 164 Resp: 267014
Ion Ratio Lower Upper
164 100
162 99.9 78.8 118.2
160 44.8 35.8 53.6

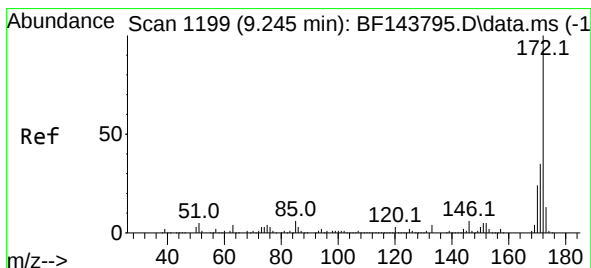
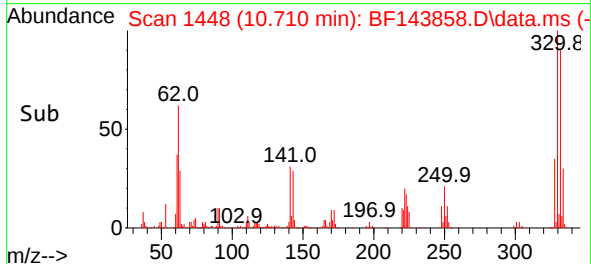
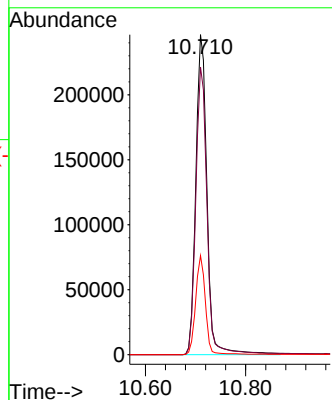
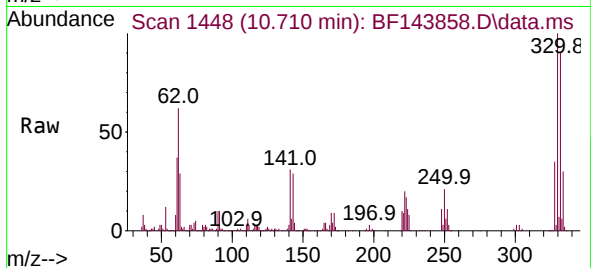




#42
2,4,6-Tribromophenol
Concen: 96.020 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

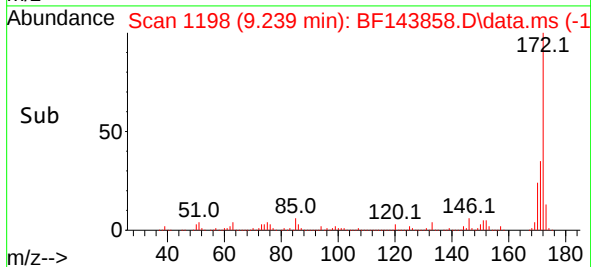
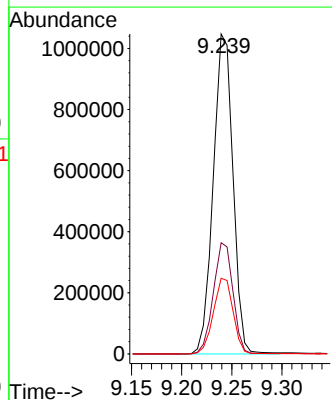
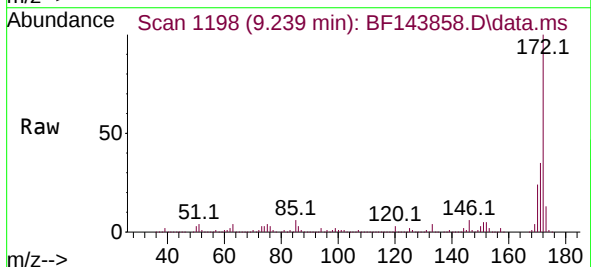
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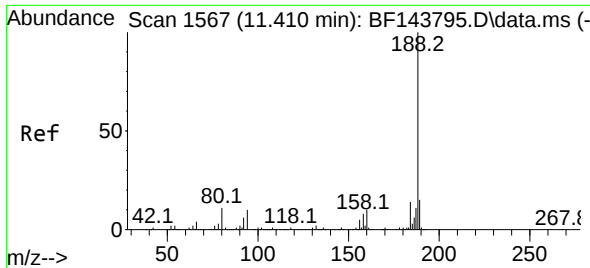
Tgt Ion: 330 Resp: 379621
Ion Ratio Lower Upper
330 100
332 91.6 74.7 112.1
141 27.4 14.3 21.5#



#45
2-Fluorobiphenyl
Concen: 83.805 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

Tgt Ion: 172 Resp: 1433980
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.6 19.1 28.7

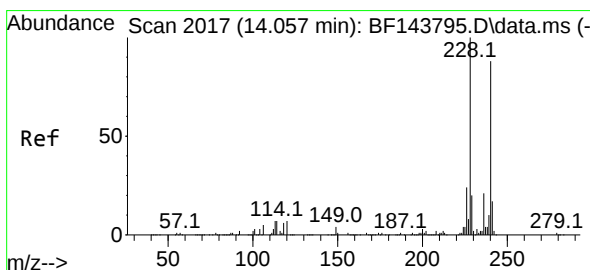
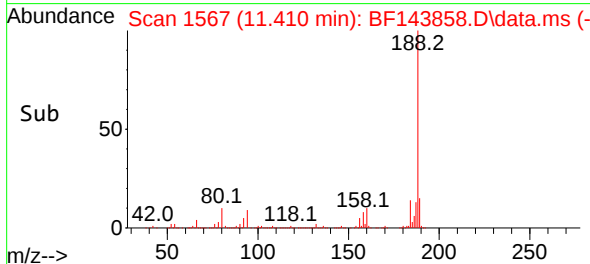
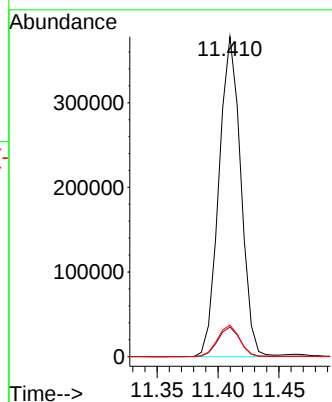
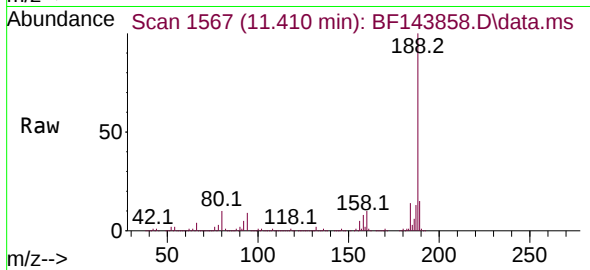




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

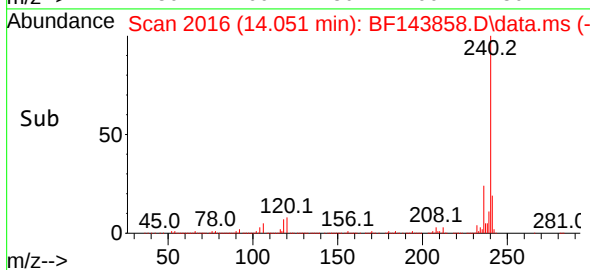
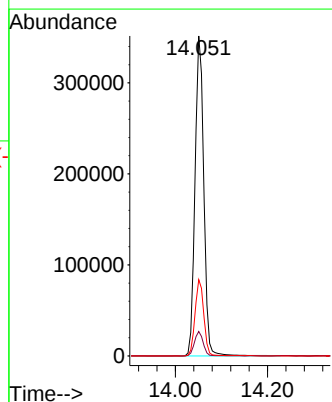
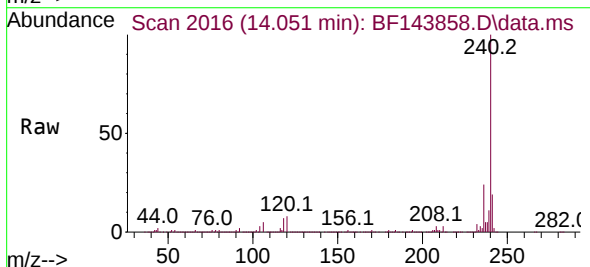
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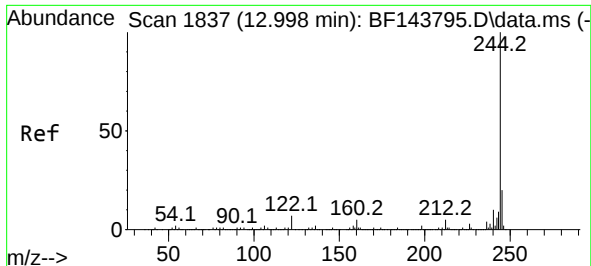
Tgt Ion:188 Resp: 472270
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.2
80 9.8 8.6 12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143858.D
Acq: 02 Oct 2025 16:43

Tgt Ion:240 Resp: 463080
Ion Ratio Lower Upper
240 100
120 7.6 6.2 9.4
236 23.8 19.4 29.2

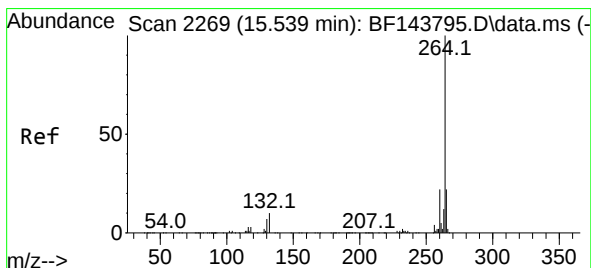
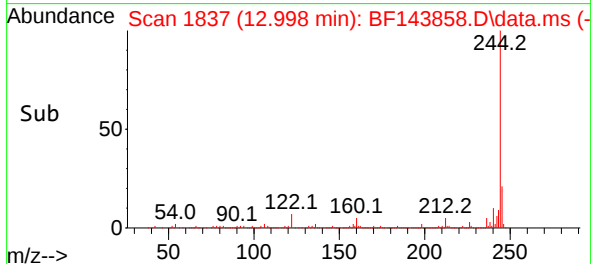
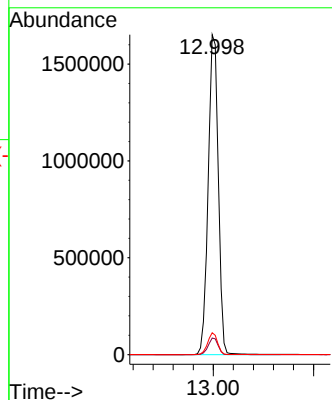
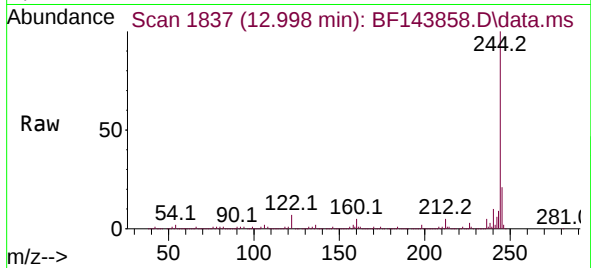




#79
 Terphenyl-d14
 Concen: 101.518 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143858.D
 Acq: 02 Oct 2025 16:43

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:244 Resp: 2311546
 Ion Ratio Lower Upper
 244 100
 212 5.2 3.9 5.9
 122 6.8 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: BF143858.D
 Acq: 02 Oct 2025 16:43

Tgt Ion:264 Resp: 490325
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.9 26.9
 265 22.2 17.7 26.5

