

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143714.D
 Acq On : 11 Sep 2025 18:59
 Operator : RC/JU
 Sample : Q3032-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-2

Quant Time: Sep 12 04:38:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	33729	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	126928	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	65757	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	91415	20.000	ng	0.00
76) Chrysene-d12	14.057	240	85213	20.000	ng	0.01
86) Perylene-d12	15.539	264	67179	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	287561	145.459	ng	0.02
7) Phenol-d6	6.510	99	320076	132.972	ng	0.00
23) Nitrobenzene-d5	7.451	82	222768	109.167	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	95653	144.342	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	470521	108.091	ng	0.00
79) Terphenyl-d14	13.004	244	404342	76.895	ng	0.01

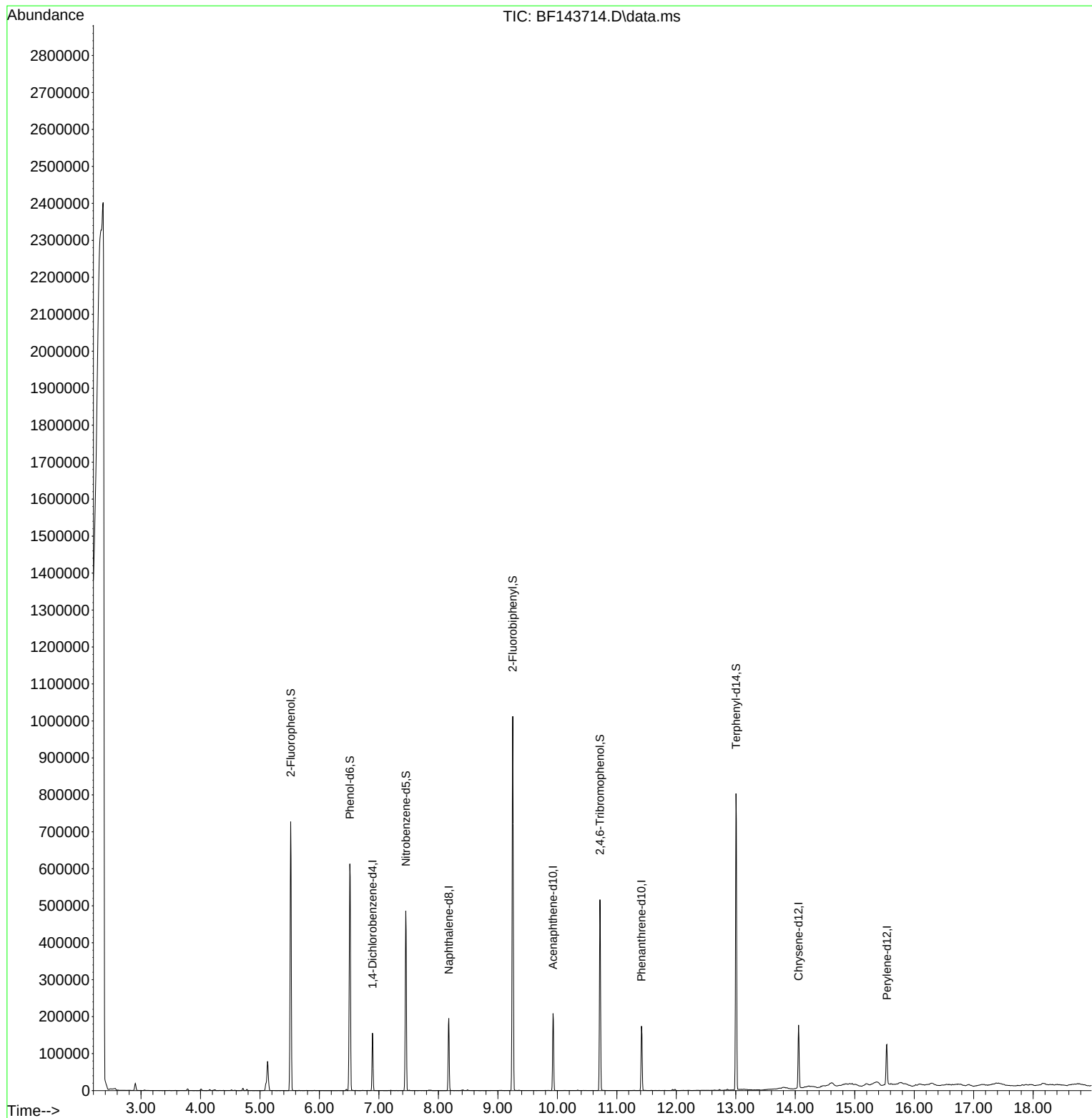
Target Compounds	Qvalue

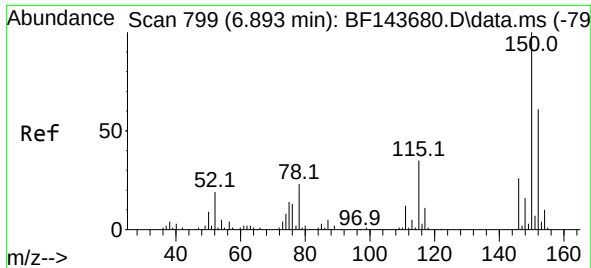
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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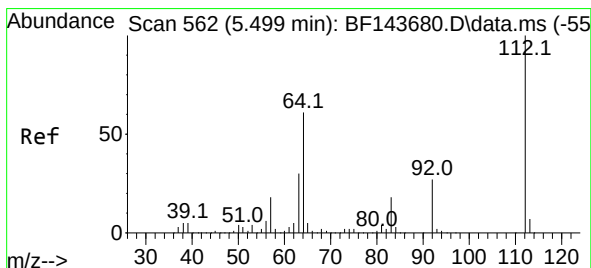
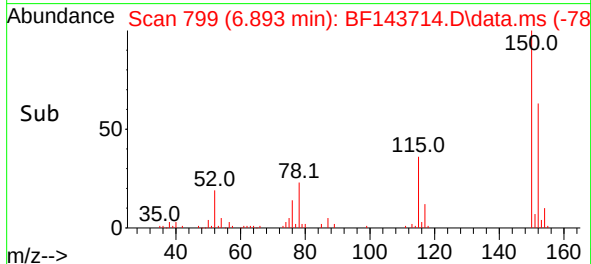
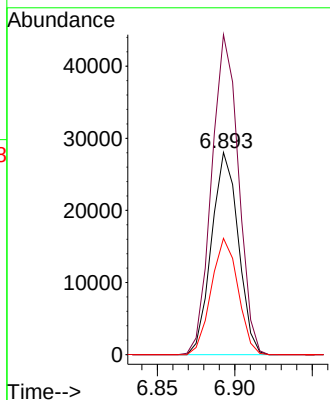
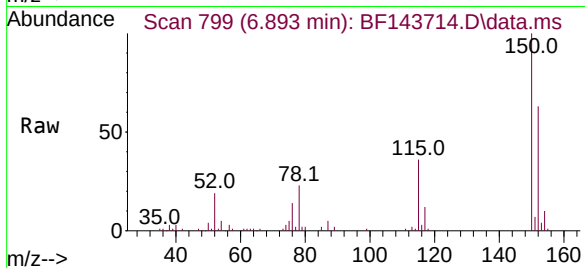




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

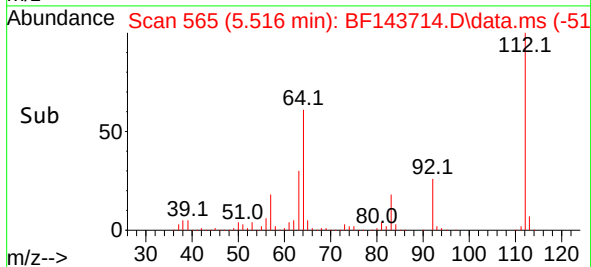
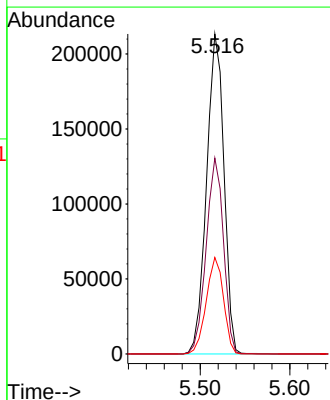
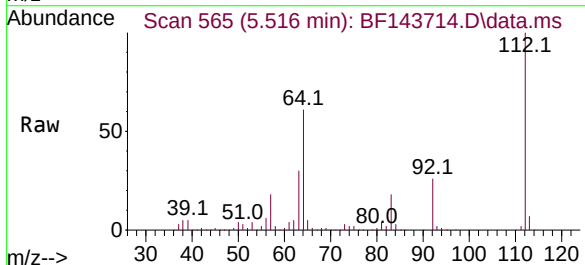
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 ClientSampleId :
 SOIL-PILE-2

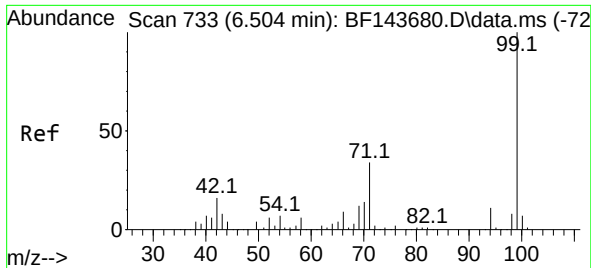
Tgt Ion:152 Resp: 33729
 Ion Ratio Lower Upper
 152 100
 150 158.2 130.7 196.1
 115 57.5 45.9 68.9



#5
 2-Fluorophenol
 Concen: 145.459 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.018 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

Tgt Ion:112 Resp: 287561
 Ion Ratio Lower Upper
 112 100
 64 61.2 49.0 73.4
 63 30.1 24.3 36.5

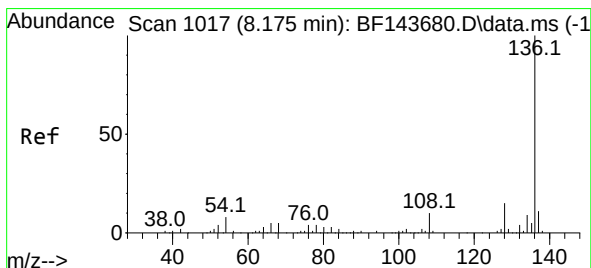
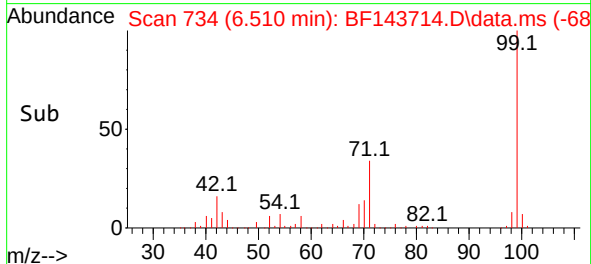
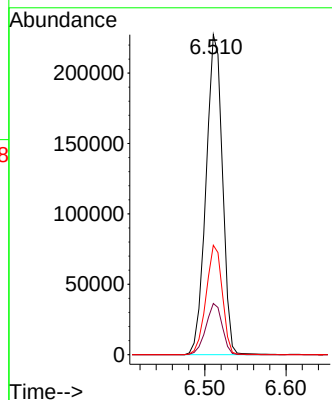
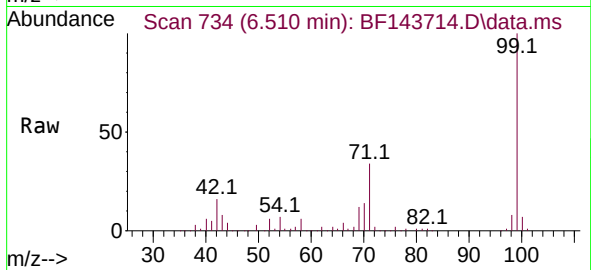




#7
Phenol-d6
Concen: 132.972 ng
RT: 6.510 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF143714.D
Acq: 11 Sep 2025 18:59

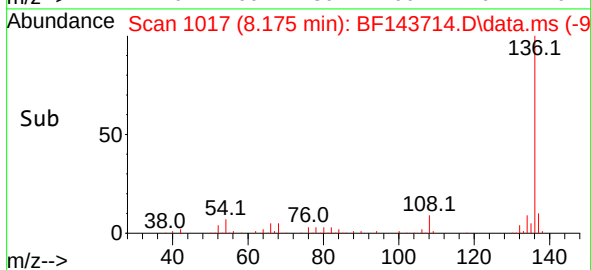
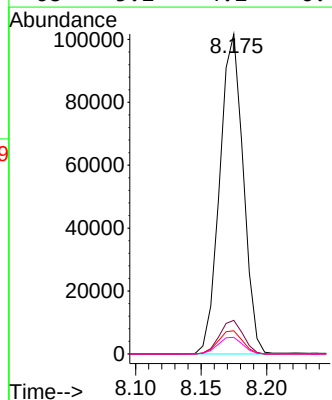
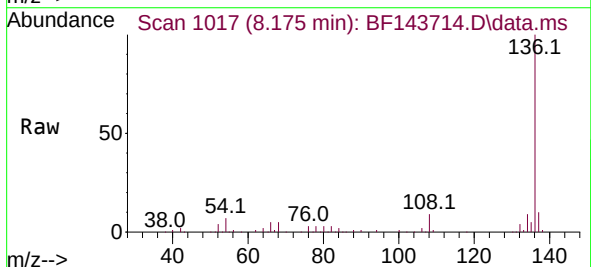
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BNA_F
ClientSampleId :
SOIL-PILE-2

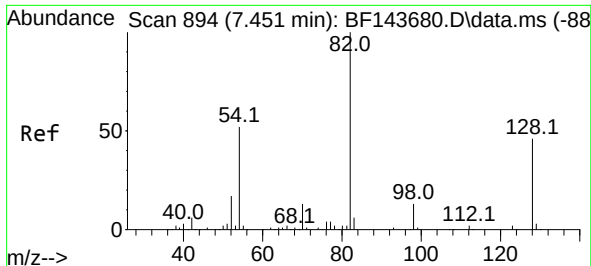
Tgt Ion: 99 Resp: 320076
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 34.2 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF143714.D
Acq: 11 Sep 2025 18:59

Tgt Ion:136 Resp: 126928
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.2 6.2 9.2
68 5.2 4.2 6.4

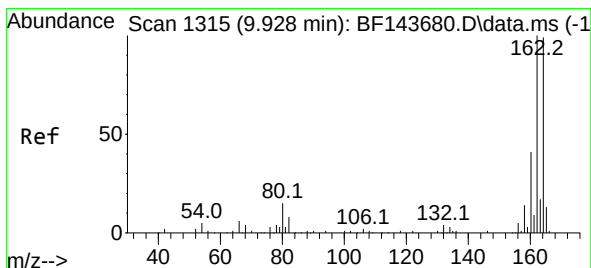
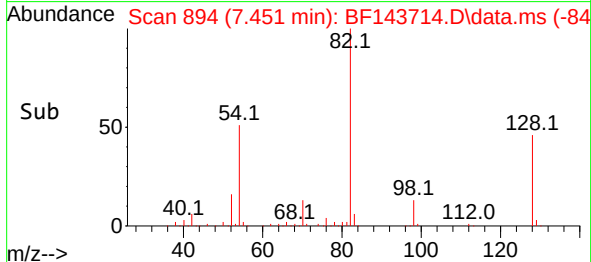
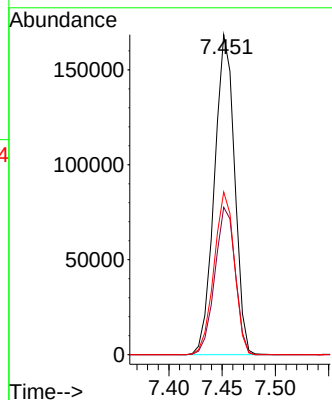
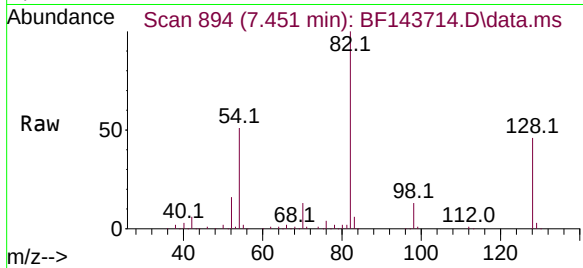




#23
 Nitrobenzene-d5
 Concen: 109.167 ng
 RT: 7.451 min Scan# 894
 Delta R.T. 0.000 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

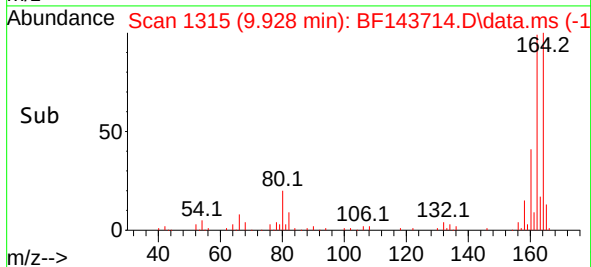
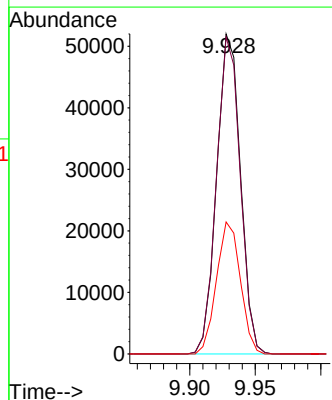
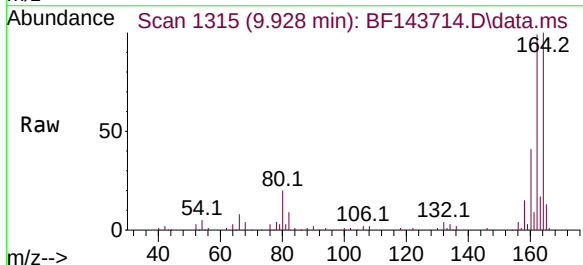
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-2

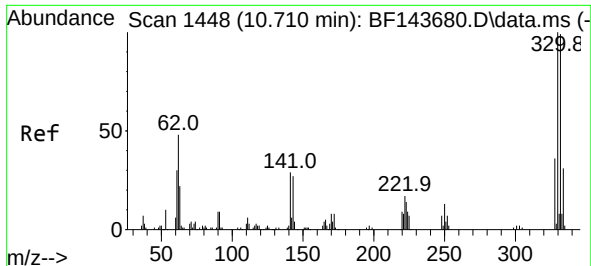
Tgt Ion: 82 Resp: 222768
 Ion Ratio Lower Upper
 82 100
 128 46.0 37.0 55.4
 54 50.8 41.8 62.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.928 min Scan# 1315
 Delta R.T. 0.000 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

Tgt Ion: 164 Resp: 65757
 Ion Ratio Lower Upper
 164 100
 162 99.0 80.6 121.0
 160 41.2 33.0 49.4

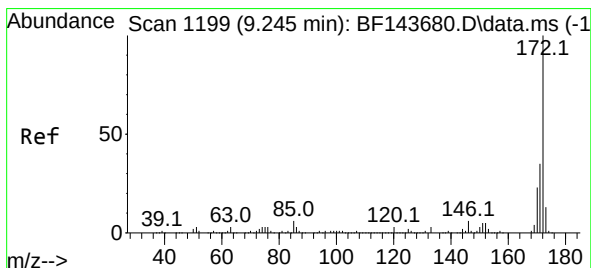
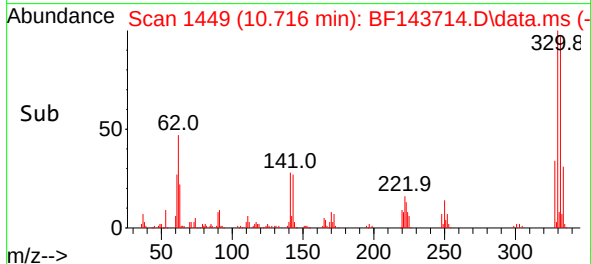
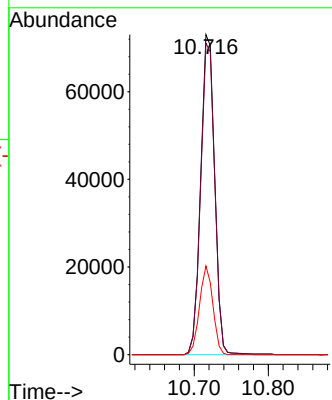
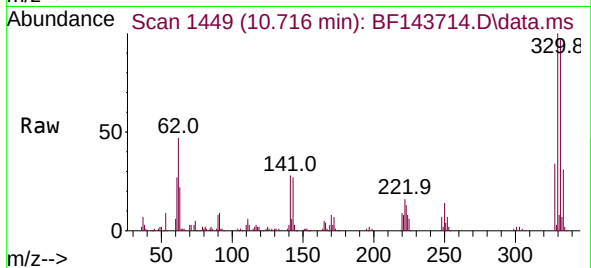




#42
 2,4,6-Tribromophenol
 Concen: 144.342 ng
 RT: 10.716 min Scan# 1448
 Delta R.T. 0.006 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

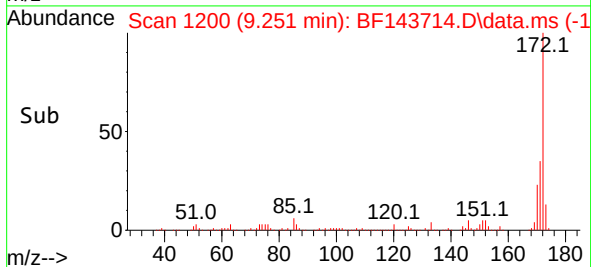
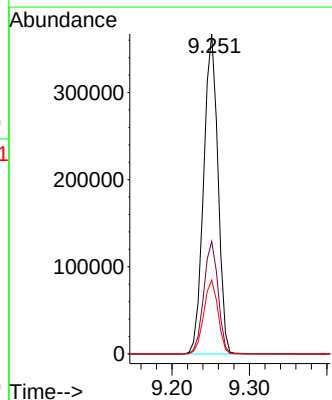
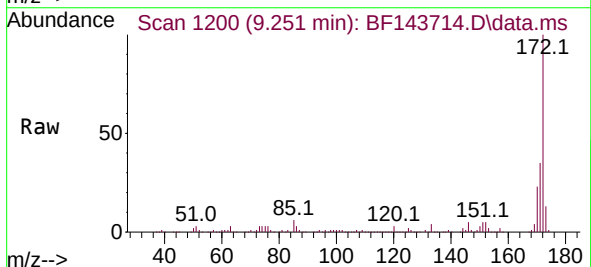
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 SOIL-PILE-2

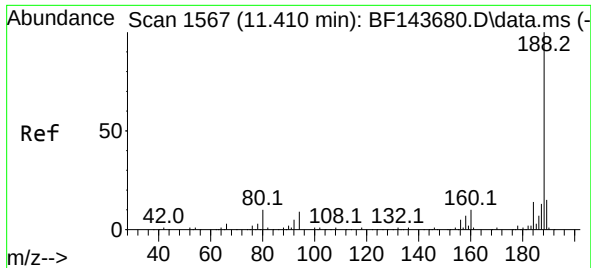
Tgt Ion:	330	Resp:	95653
Ion Ratio	Lower	Upper	
330	100		
332	97.3	79.2	118.8
141	26.4	22.2	33.4



#45
 2-Fluorobiphenyl
 Concen: 108.091 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. 0.006 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

Tgt Ion:	172	Resp:	470521
Ion Ratio	Lower	Upper	
172	100		
171	35.2	27.9	41.9
170	23.1	18.6	27.8

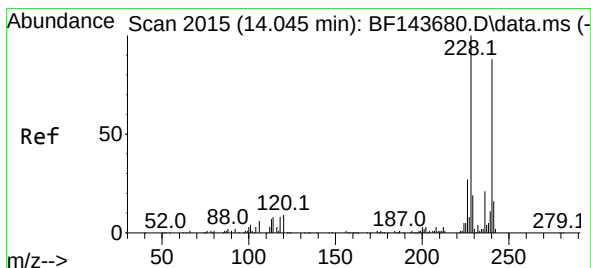
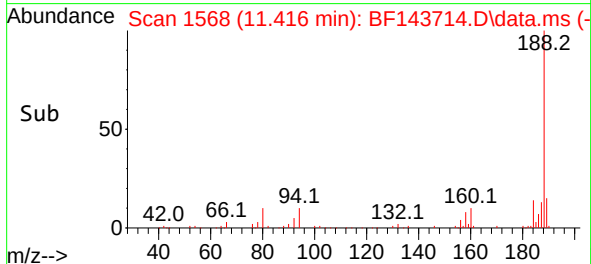
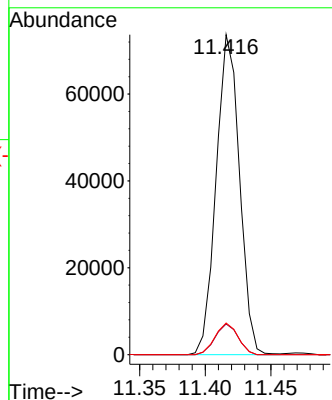
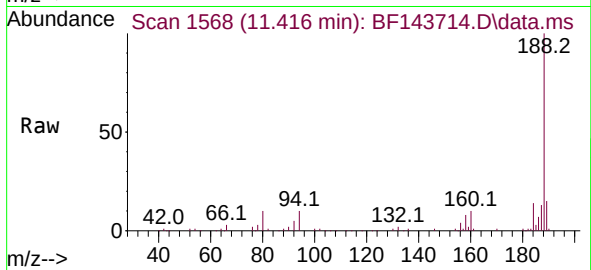




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143714.D
Acq: 11 Sep 2025 18:59

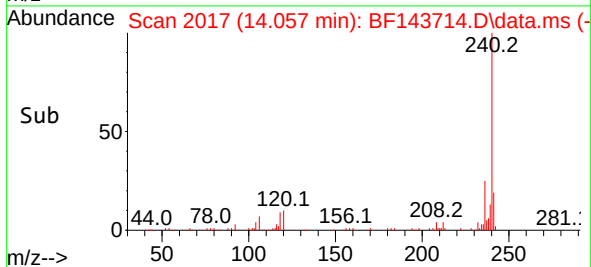
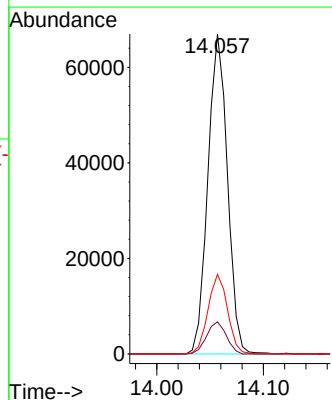
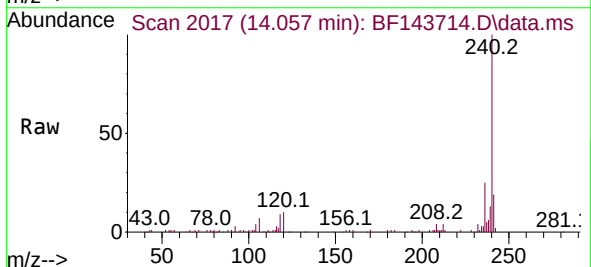
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BNA_F
ClientSampleId :
SOIL-PILE-2

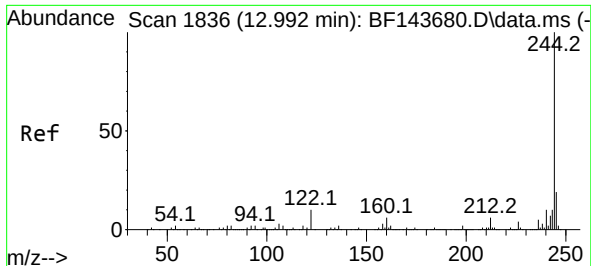
Tgt Ion:188 Resp: 91415
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.0
80 9.9 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF143714.D
Acq: 11 Sep 2025 18:59

Tgt Ion:240 Resp: 85213
Ion Ratio Lower Upper
240 100
120 10.0 8.4 12.6
236 24.9 18.6 28.0

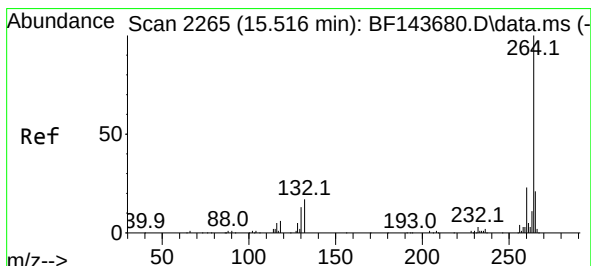
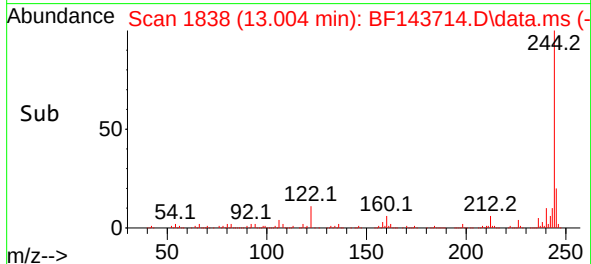
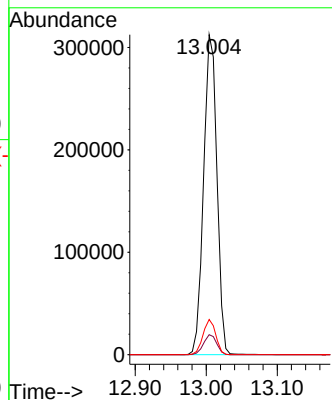
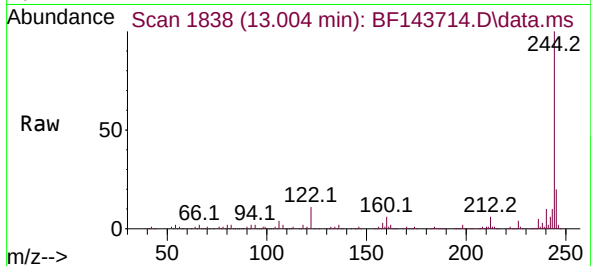




#79
 Terphenyl-d14
 Concen: 76.895 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. 0.012 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-2

Tgt Ion:244 Resp: 404342
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.6
 122 11.0 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.024 min
 Lab File: BF143714.D
 Acq: 11 Sep 2025 18:59

Tgt Ion:264 Resp: 67179
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.4 27.6
 265 22.4 17.1 25.7

