

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142870.D
 Acq On : 26 Jun 2025 16:06
 Operator : RC/JU
 Sample : Q2409-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COP-SOIL-PILE

Quant Time: Jun 26 16:43:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80928	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	314887	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	165118	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	274266	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138507	20.000	ng	0.00
86) Perylene-d12	15.539	264	159738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	565560	116.352	ng	0.02
7) Phenol-d6	6.510	99	607532	105.939	ng	0.00
23) Nitrobenzene-d5	7.439	82	465195	81.033	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	218590	128.645	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	982020	78.129	ng	-0.01
79) Terphenyl-d14	12.992	244	834803	83.277	ng	0.00

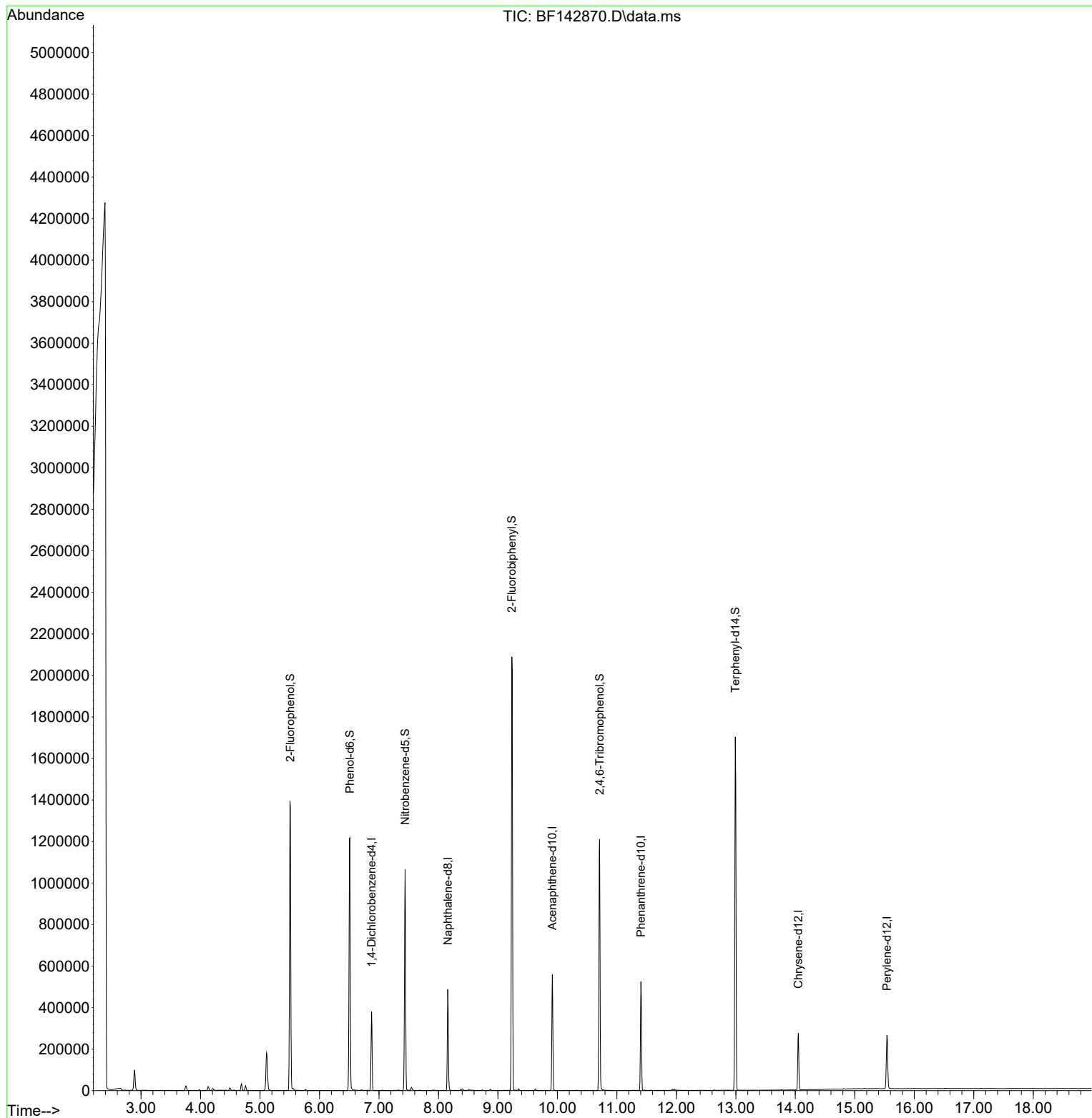
Target Compounds	Qvalue

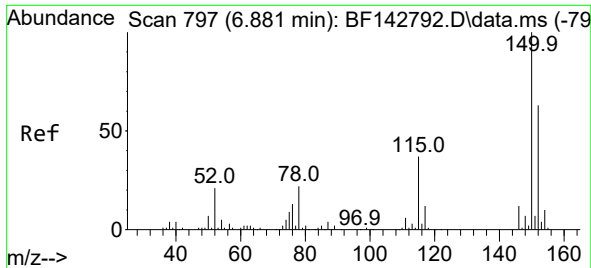
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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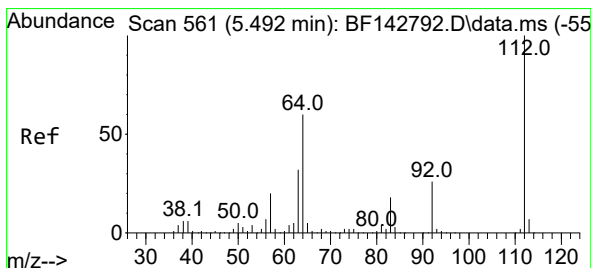
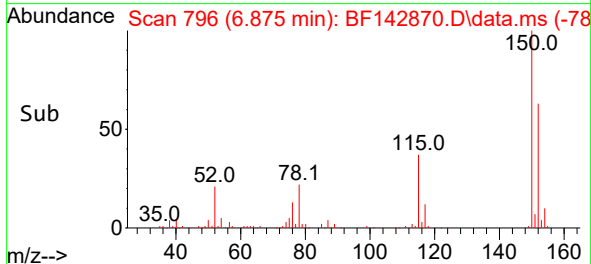
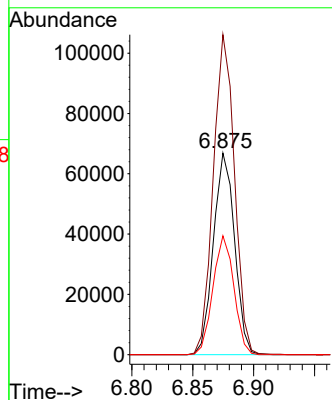
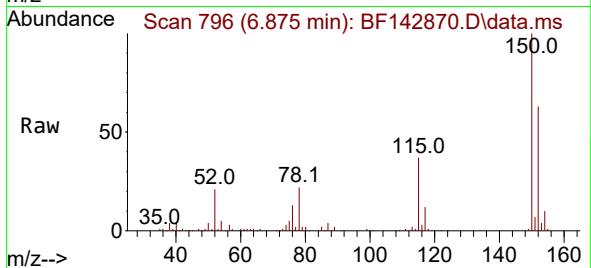




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

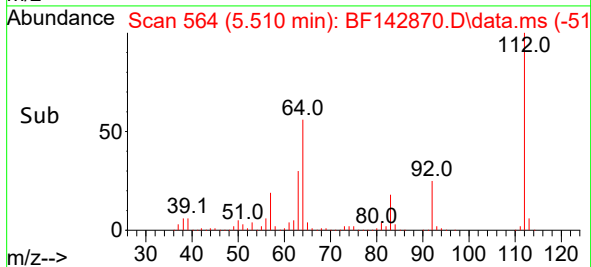
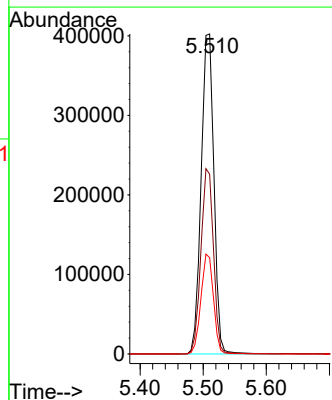
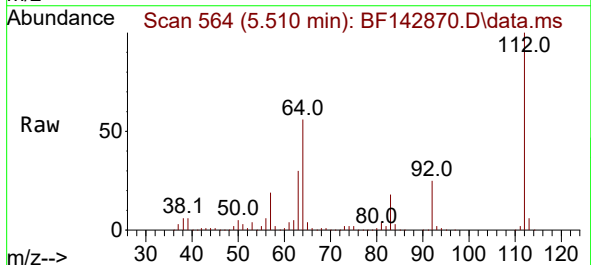
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BNA_F
ClientSampleId :
COP-SOIL-PILE

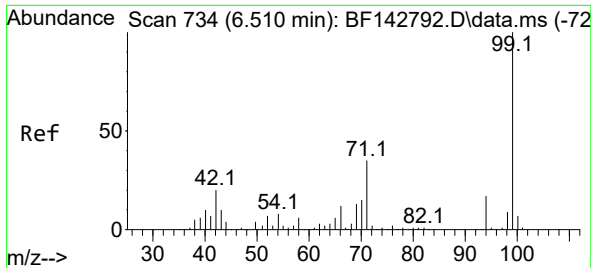
Tgt Ion:152 Resp: 80928
Ion Ratio Lower Upper
152 100
150 158.7 127.2 190.8
115 58.9 46.6 69.8



#5
2-Fluorophenol
Concen: 116.352 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:112 Resp: 565560
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 30.1 25.7 38.5

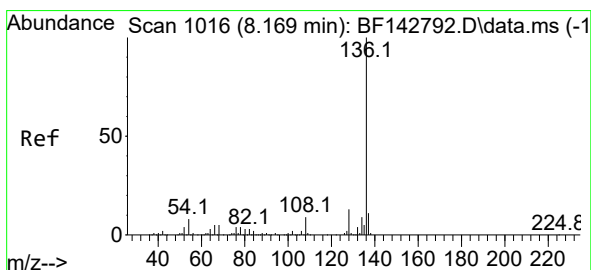
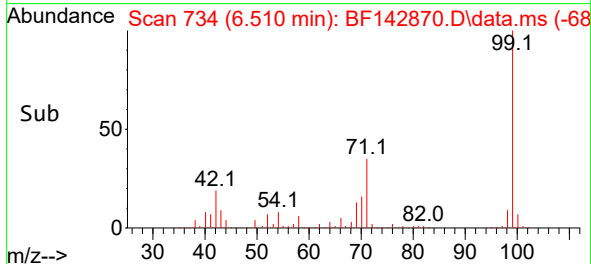
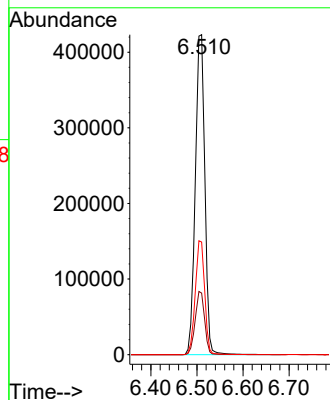
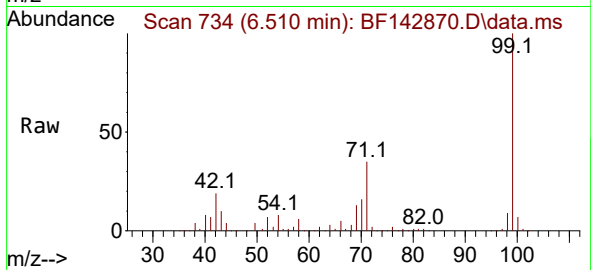




#7
Phenol-d6
Concen: 105.939 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

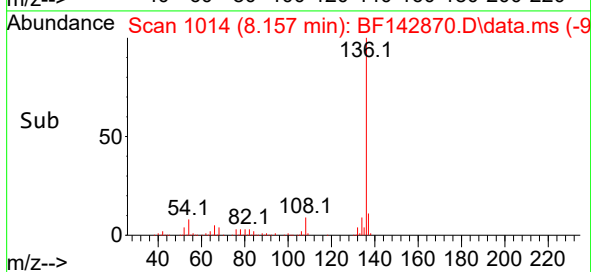
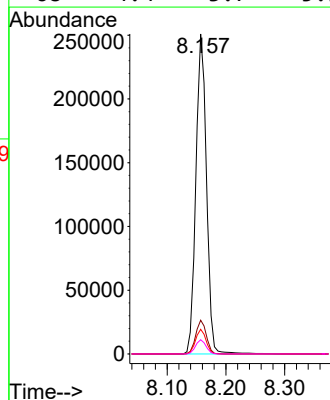
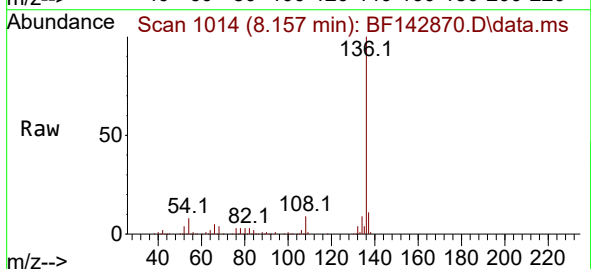
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ClientSampleId :
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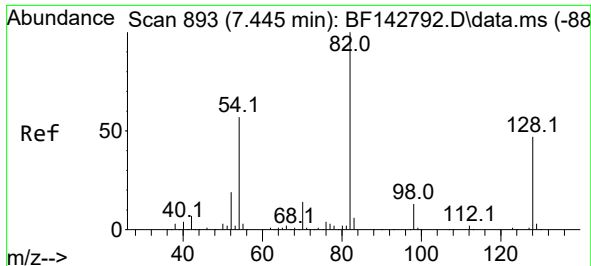
Tgt Ion: 99 Resp: 607532
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion: 136 Resp: 314887
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.7 6.3 9.5
68 4.4 3.7 5.5

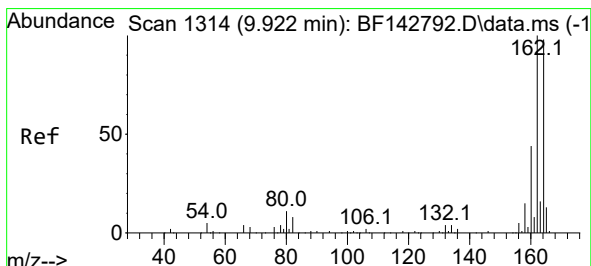
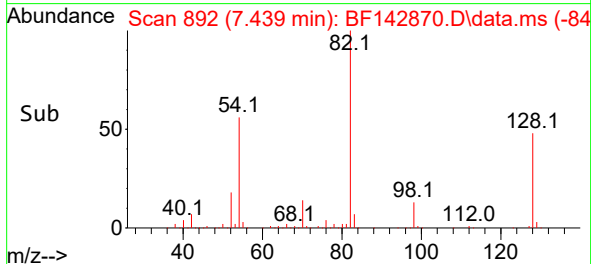
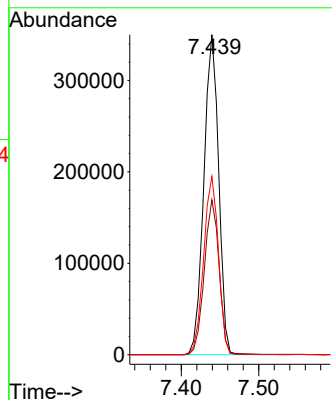
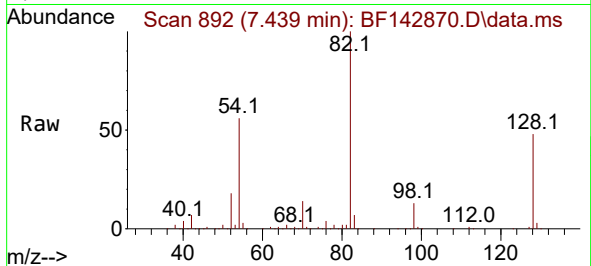




#23
Nitrobenzene-d5
Concen: 81.033 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

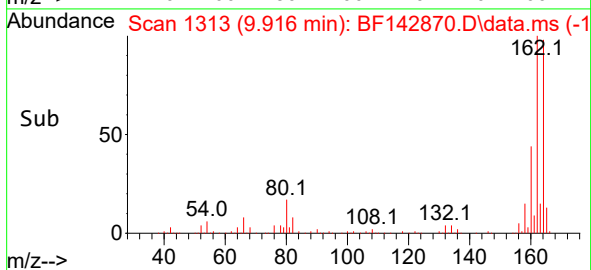
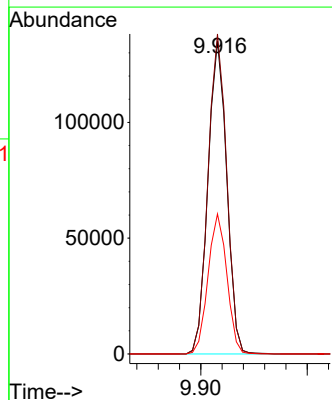
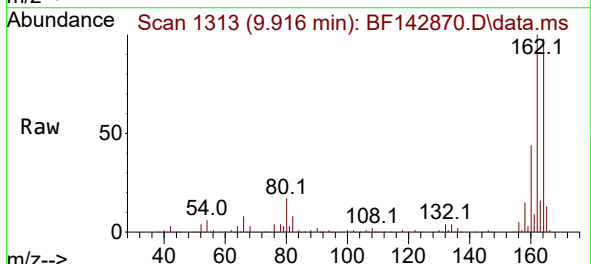
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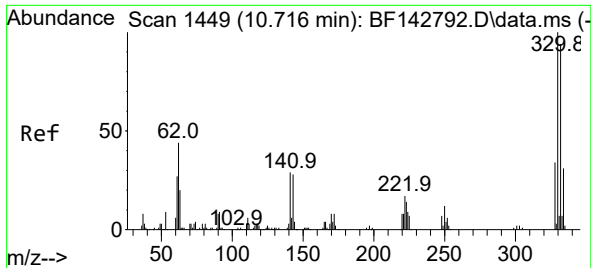
Tgt Ion: 82 Resp: 465195
Ion Ratio Lower Upper
82 100
128 48.4 37.7 56.5
54 55.7 45.7 68.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:164 Resp: 165118
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.8
160 44.7 36.0 54.0

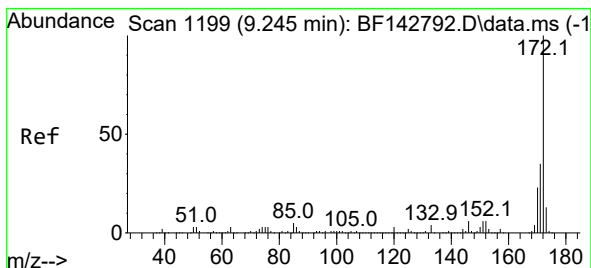
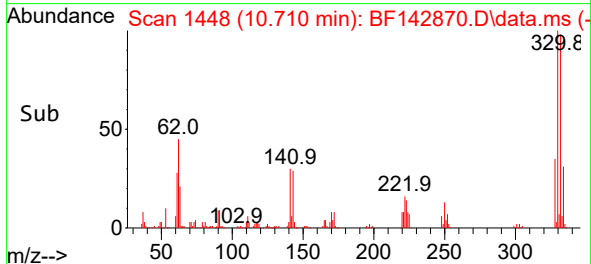
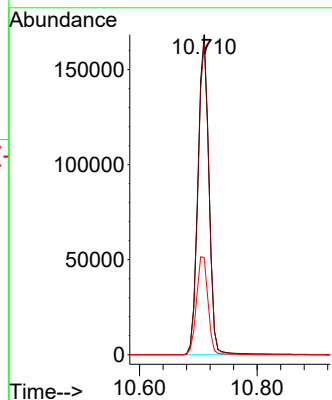
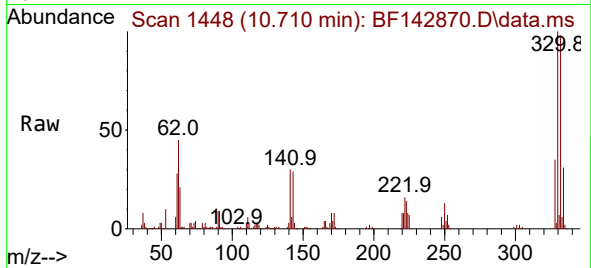




#42
2,4,6-Tribromophenol
Concen: 128.645 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

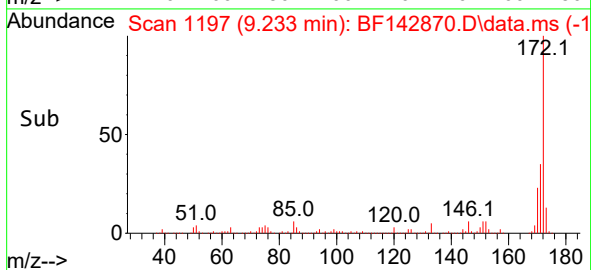
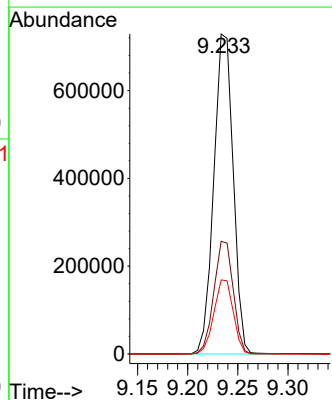
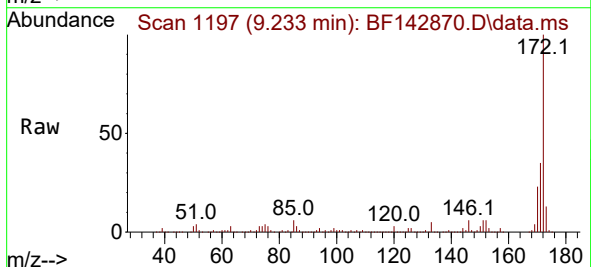
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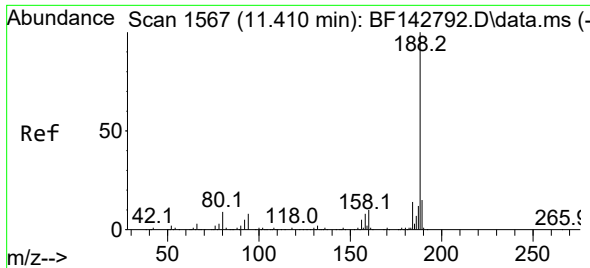
Tgt Ion:330 Resp: 218590
Ion Ratio Lower Upper
330 100
332 97.6 75.0 112.6
141 32.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 78.129 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:172 Resp: 982020
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.2 18.5 27.7

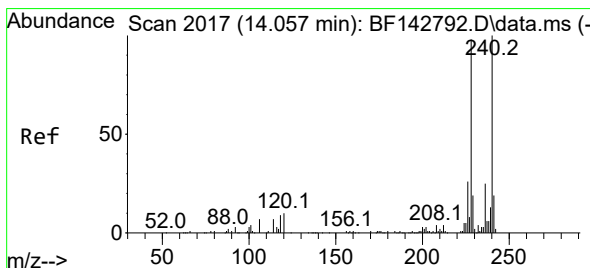
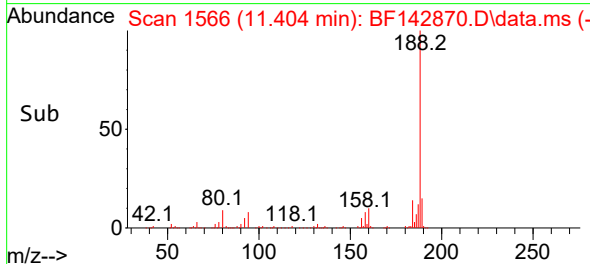
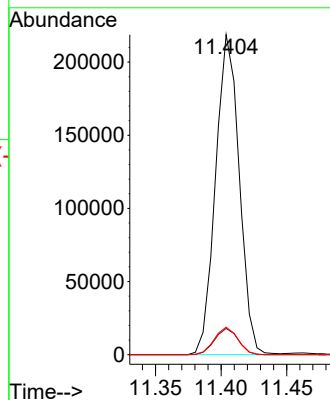
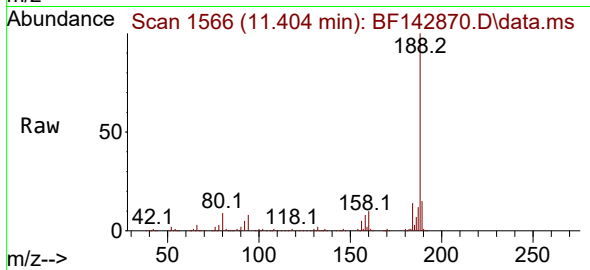




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

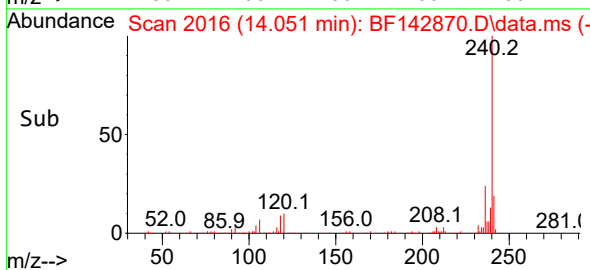
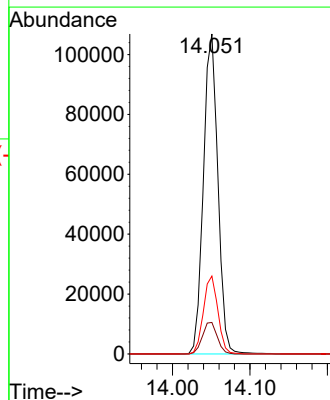
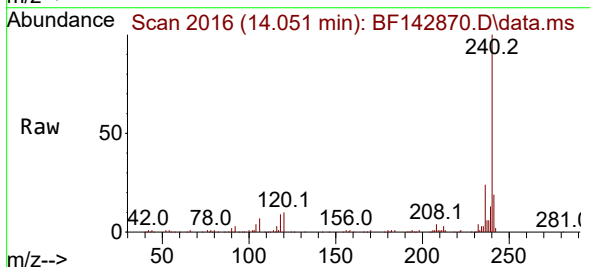
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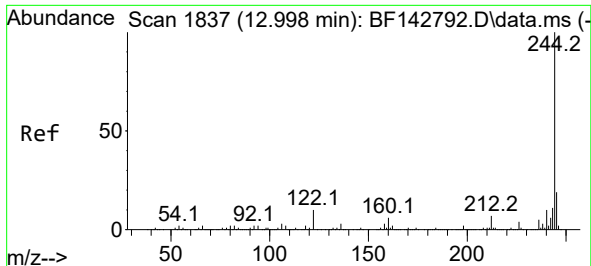
Tgt Ion:188 Resp: 274266
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.6 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

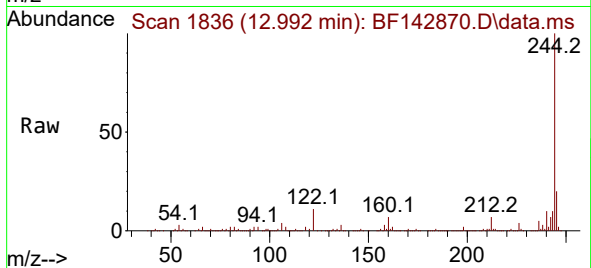
Tgt Ion:240 Resp: 138507
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 24.4 19.8 29.8



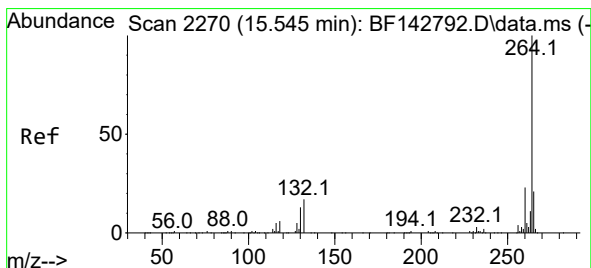
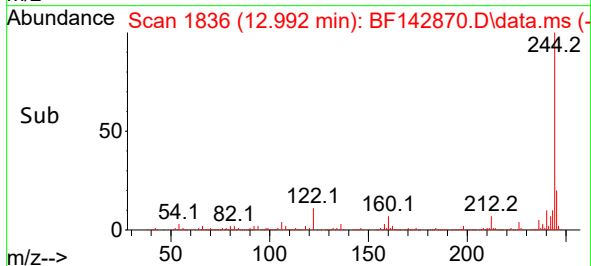
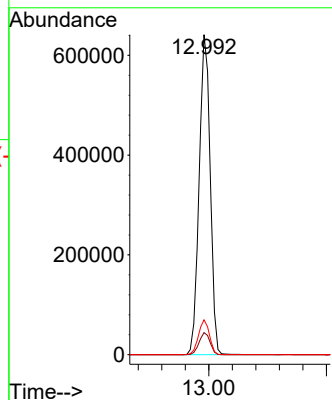


#79
 Terphenyl-d14
 Concen: 83.277 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142870.D
 Acq: 26 Jun 2025 16:06

Instrument :
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Tgt Ion:244 Resp: 834803
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142870.D
 Acq: 26 Jun 2025 16:06

Tgt Ion:264 Resp: 159738
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.1 27.1
 265 21.1 16.6 25.0

