

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143937.D
 Acq On : 13 Oct 2025 17:32
 Operator : RC/JU
 Sample : Q3323-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-01-0-2

Quant Time: Oct 13 17:55:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

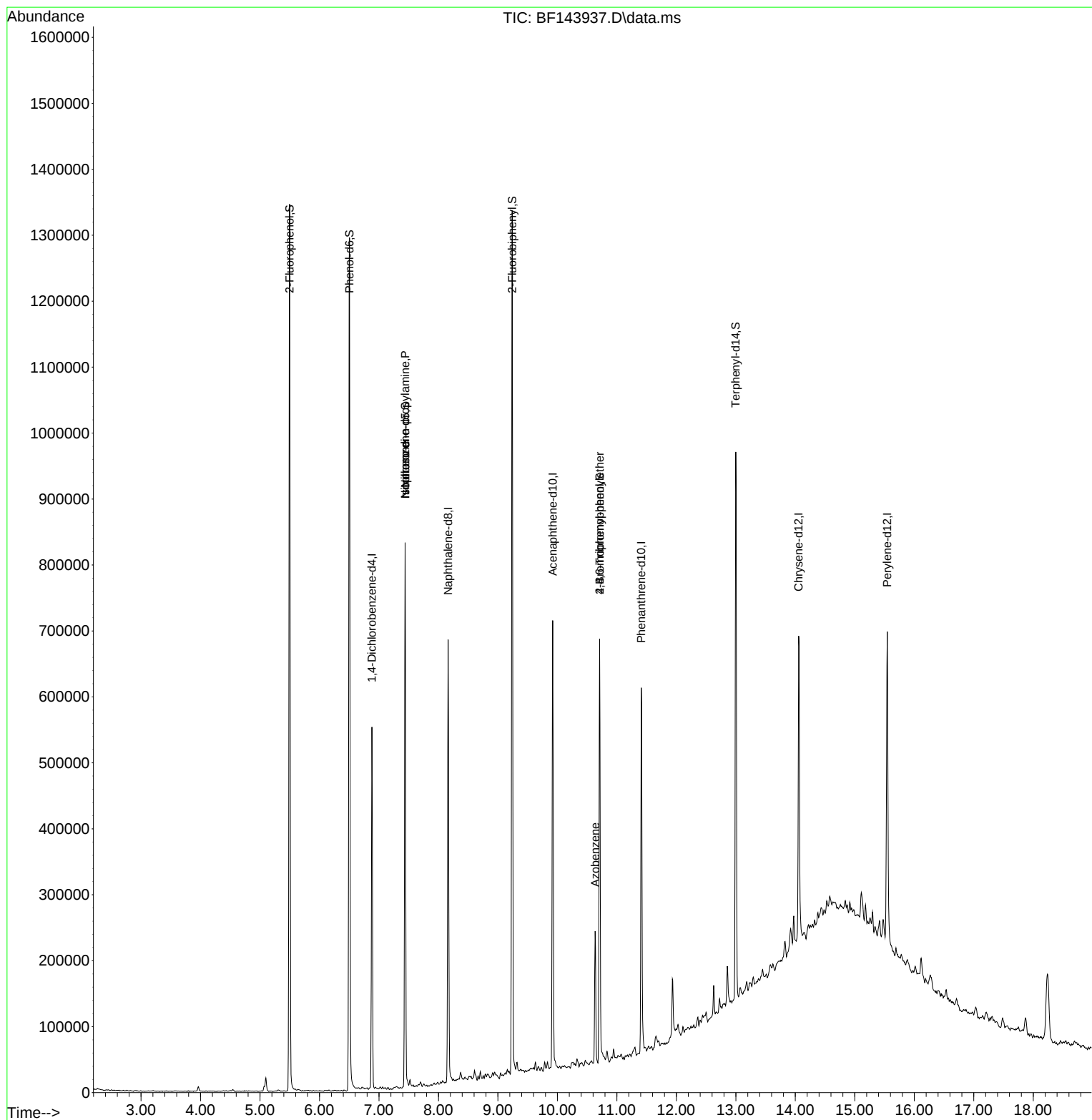
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	109817	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	409017	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	204732	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	303202	20.000	ng	0.00
76) Chrysene-d12	14.057	240	234493	20.000	ng	-0.01
86) Perylene-d12	15.545	264	314720	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	521736	75.445	ng	0.00
7) Phenol-d6	6.504	99	591813	71.796	ng	-0.01
23) Nitrobenzene-d5	7.440	82	345381	51.302	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	115894	56.834	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	612674	47.484	ng	-0.01
79) Terphenyl-d14	12.998	244	434819	31.691	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	52196	9.251	ng	# 75
25) Isophorone	7.440	82	292034	20.573	ng	# 68
63) Azobenzene	10.633	77	50641	4.012	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	7311	2.182	ng	# 1

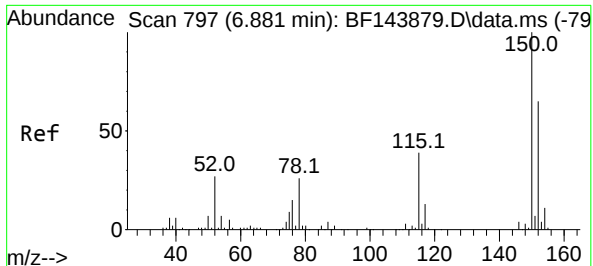
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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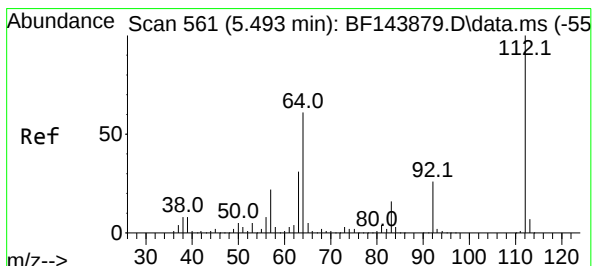
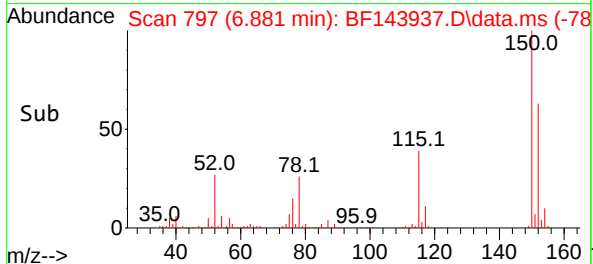
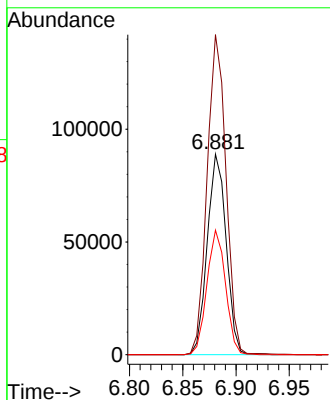
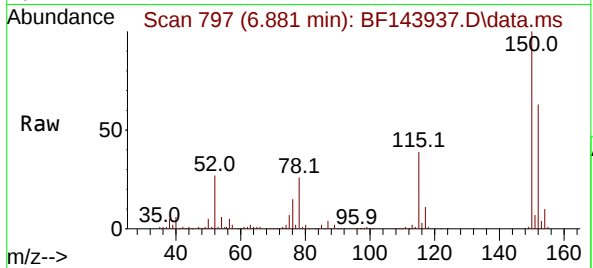




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

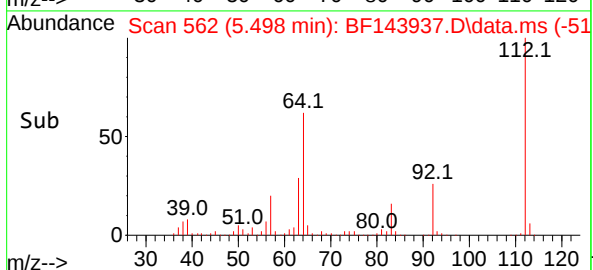
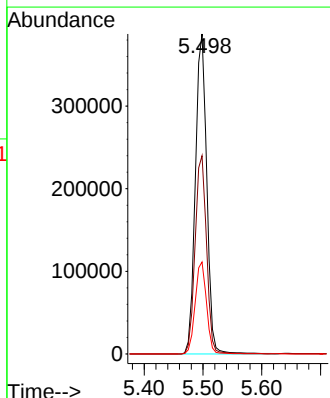
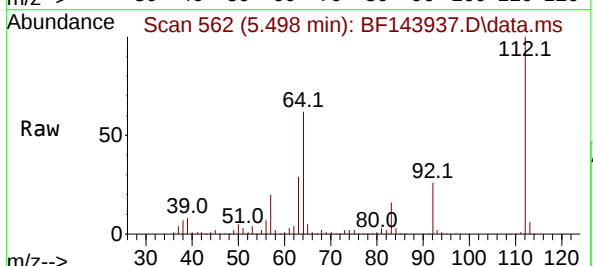
Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Tgt Ion:152 Resp: 109817
Ion Ratio Lower Upper
152 100
150 159.6 124.4 186.6
115 62.1 48.1 72.1



#5
2-Fluorophenol
Concen: 75.445 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:112 Resp: 521736
Ion Ratio Lower Upper
112 100
64 61.9 49.1 73.7
63 28.7 24.5 36.7

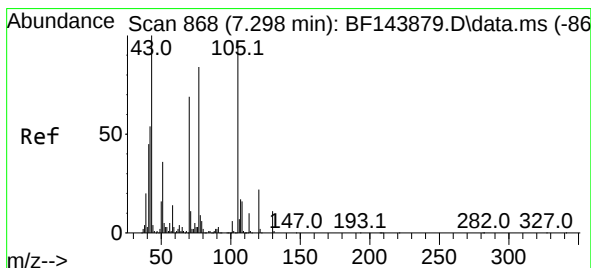
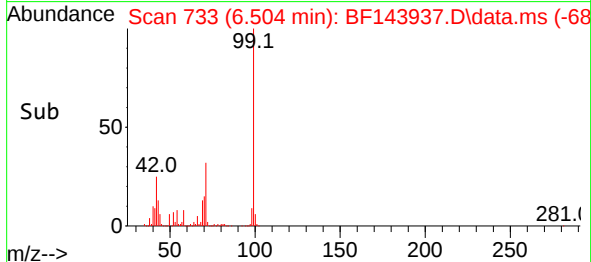
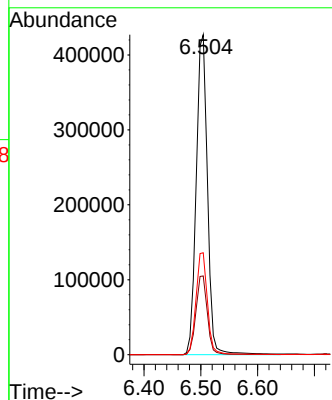
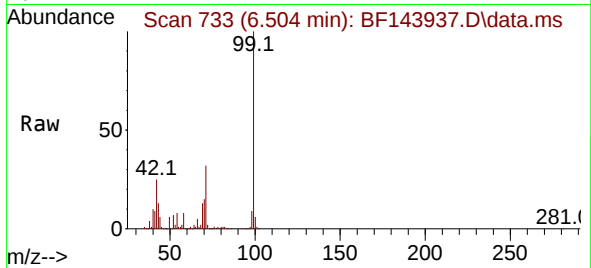




#7
Phenol-d6
Concen: 71.796 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

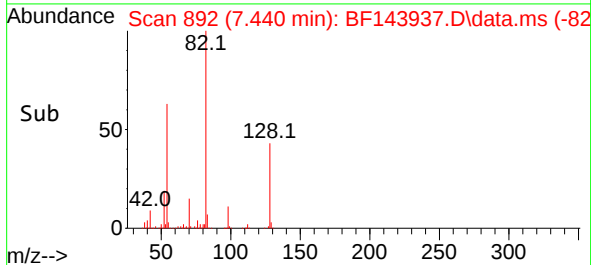
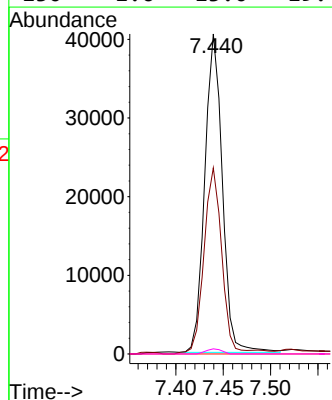
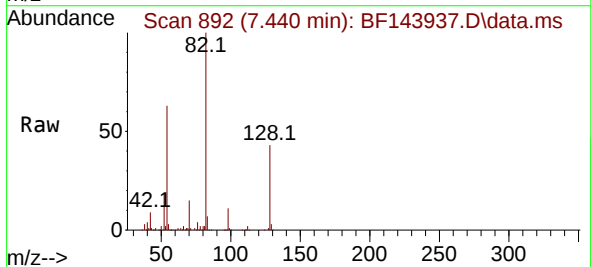
Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

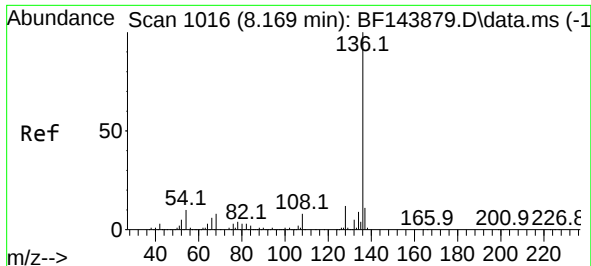
Tgt Ion: 99 Resp: 591813
Ion Ratio Lower Upper
99 100
42 24.6 21.0 31.4
71 31.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.251 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion: 70 Resp: 52196
Ion Ratio Lower Upper
70 100
42 58.2 62.8 94.2#
101 0.0 6.7 10.1#
130 1.6 13.0 19.4#

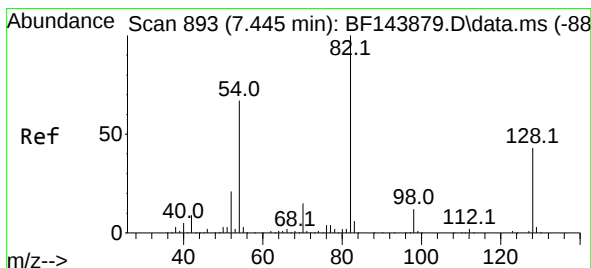
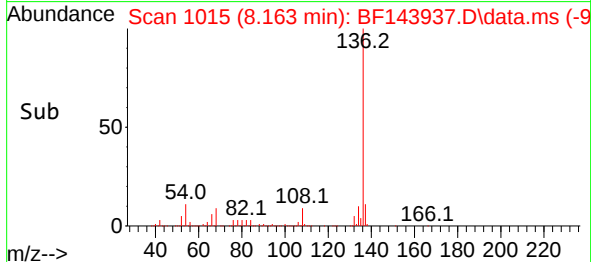
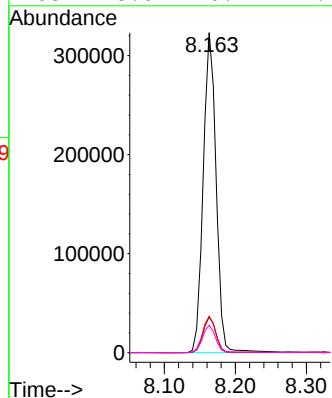
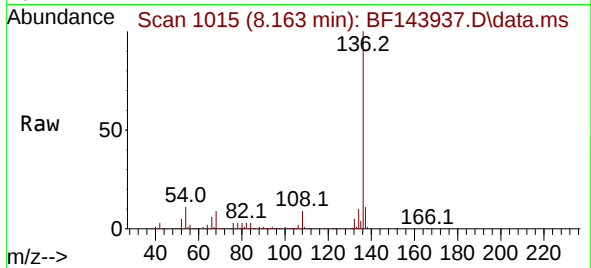




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

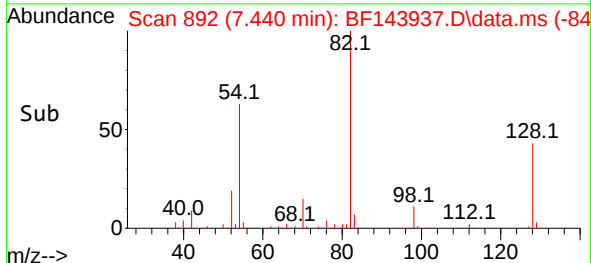
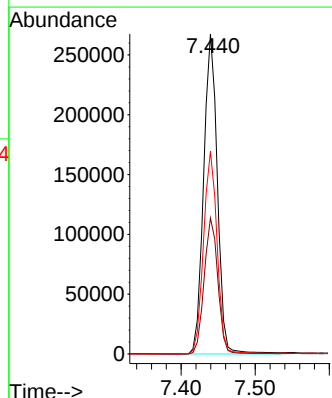
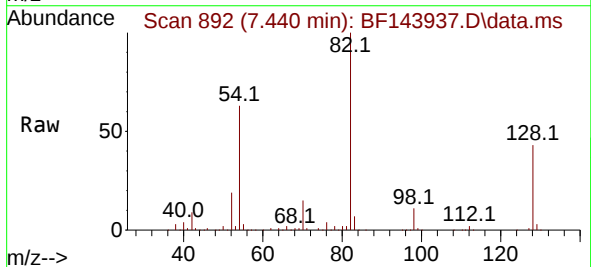
Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

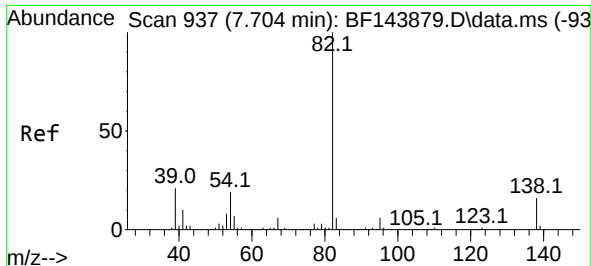
Tgt Ion:136 Resp: 409017
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.4 8.2 12.4
68 8.6 6.2 9.4



#23
Nitrobenzene-d5
Concen: 51.302 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion: 82 Resp: 345381
Ion Ratio Lower Upper
82 100
128 42.5 34.0 51.0
54 63.3 53.2 79.8

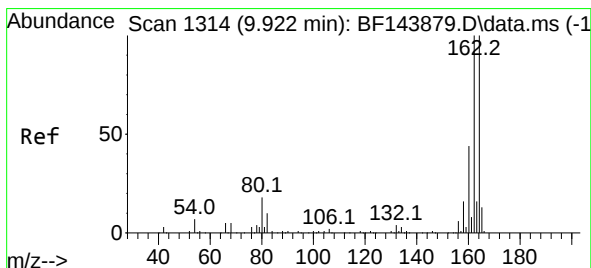
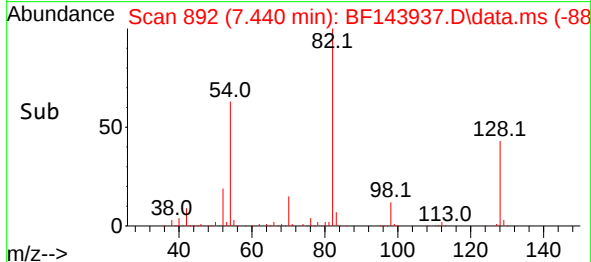
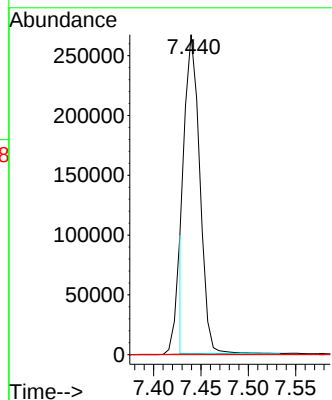
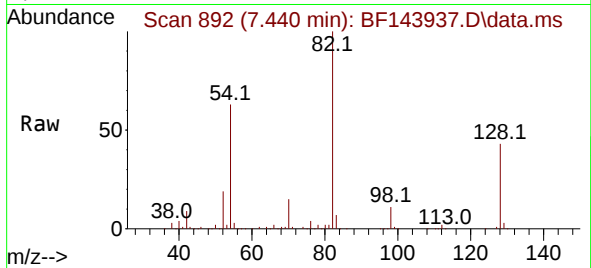




#25
Isophorone
Concen: 20.573 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

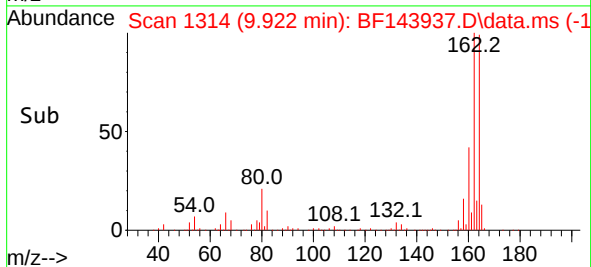
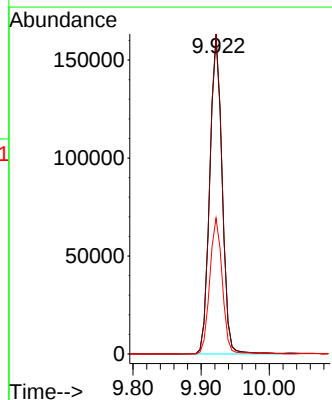
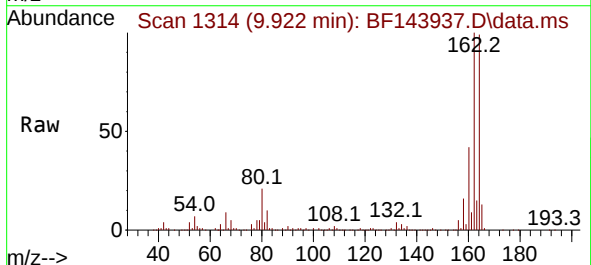
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ClientSampleId :
SED-01-0-2

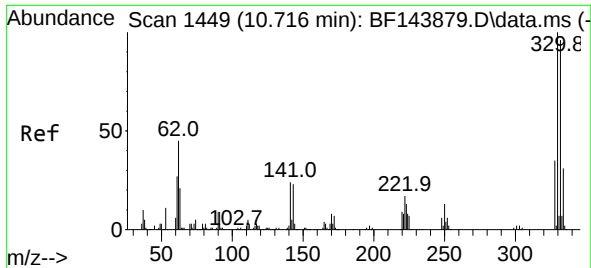
Tgt Ion: 82 Resp: 292034
Ion Ratio Lower Upper
82 100
95 0.2 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion: 164 Resp: 204732
Ion Ratio Lower Upper
164 100
162 101.4 80.2 120.2
160 43.1 35.4 53.0

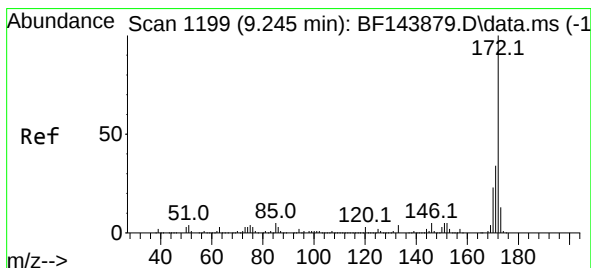
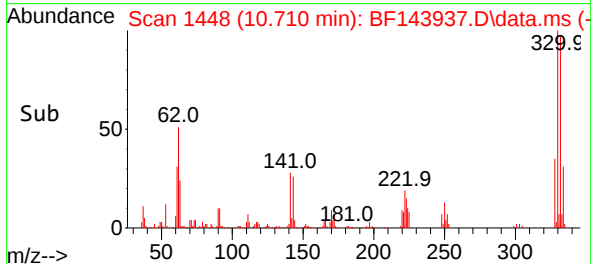
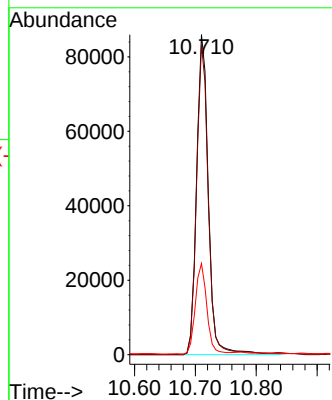
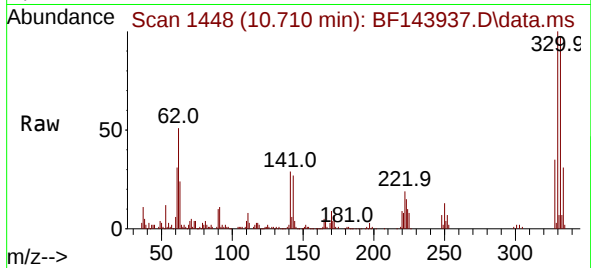




#42
2,4,6-Tribromophenol
Concen: 56.834 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

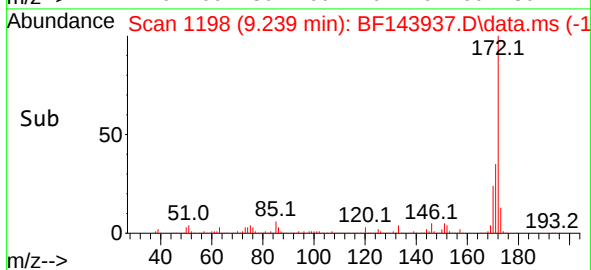
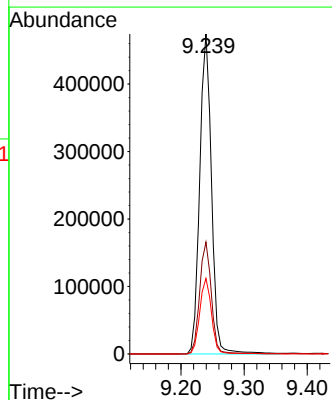
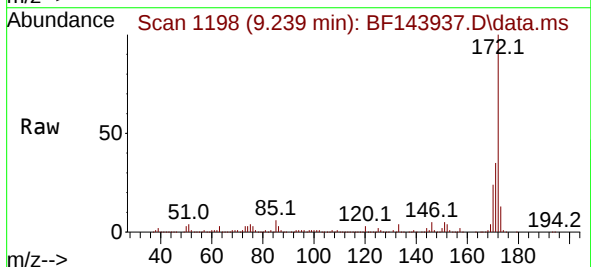
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SED-01-0-2

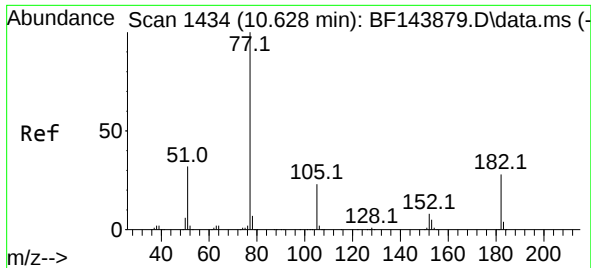
Tgt Ion:330 Resp: 115894
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 27.5 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 47.484 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:172 Resp: 612674
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 23.6 18.6 28.0

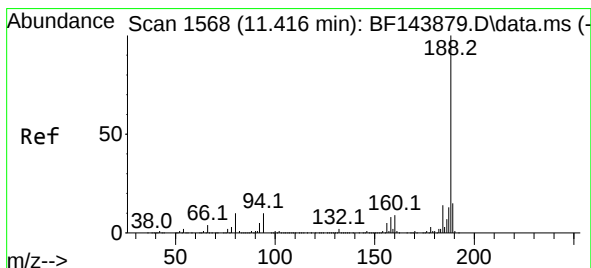
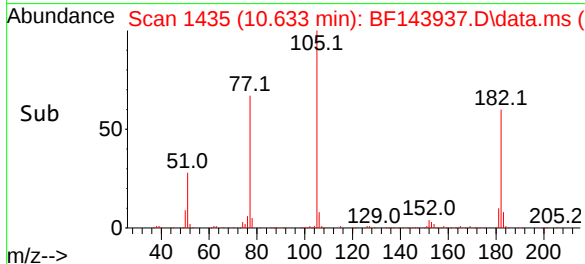
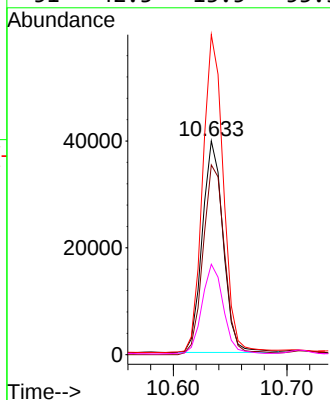
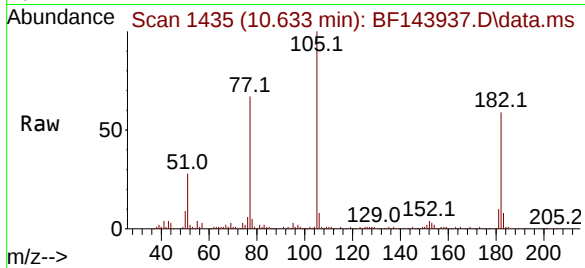




#63
Azobenzene
Concen: 4.012 ng
RT: 10.633 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

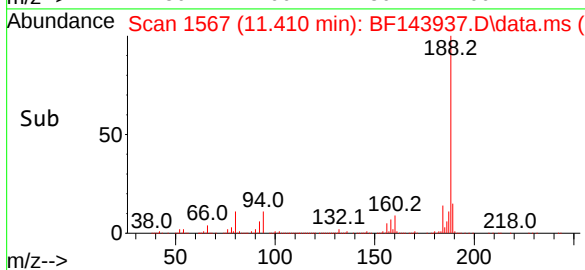
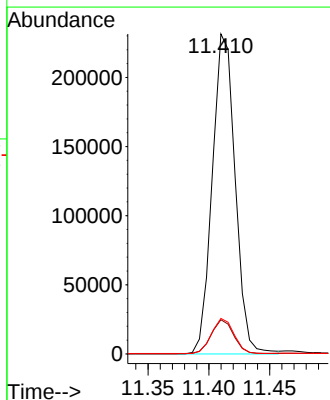
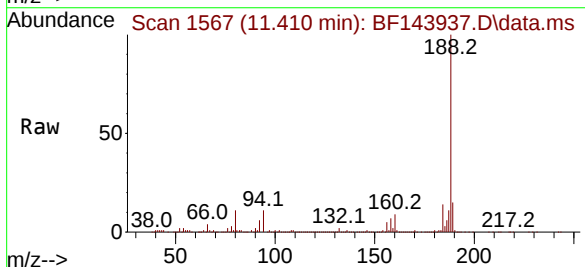
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ClientSampleId :
SED-01-0-2

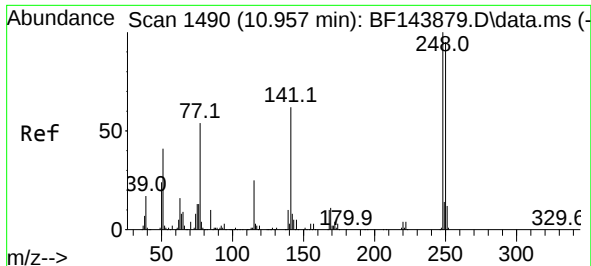
Tgt Ion: 77	Resp: 50641
Ion Ratio	Lower Upper
77 100	
182 88.8	7.3 47.3#
105 149.7	3.0 43.0#
51 42.3	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion: 188	Resp: 303202
Ion Ratio	Lower Upper
188 100	
94 10.7	7.8 11.6
80 11.1	7.9 11.9

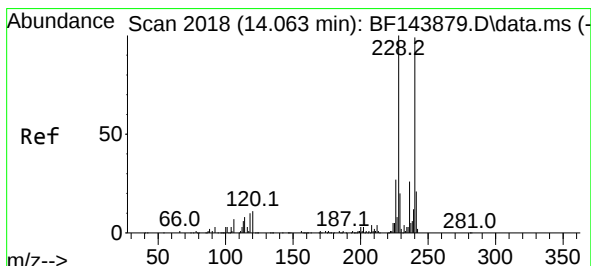
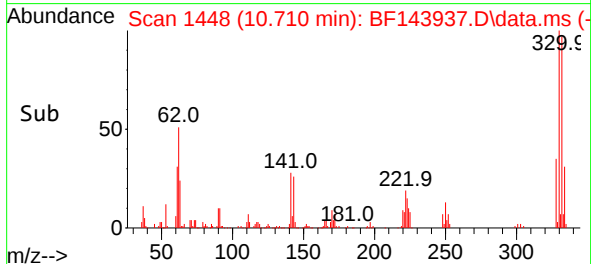
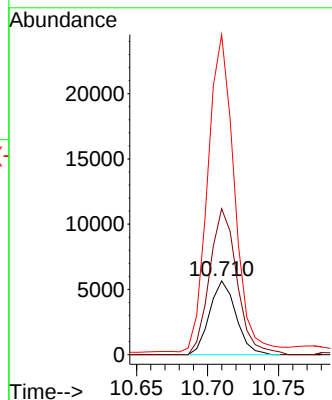
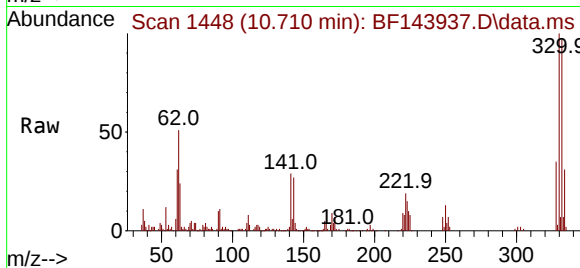




#67
4-Bromophenyl-phenylether
Concen: 2.182 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

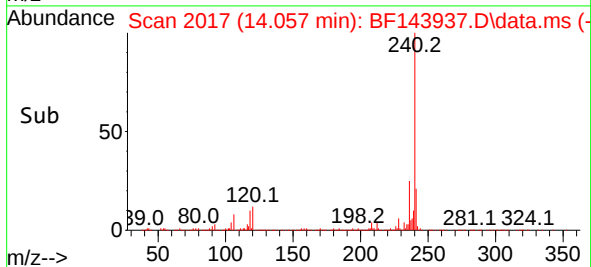
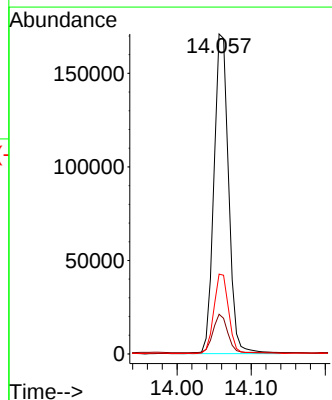
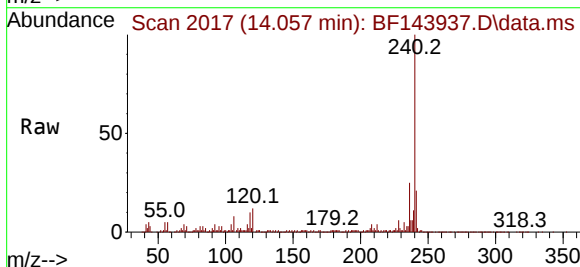
Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

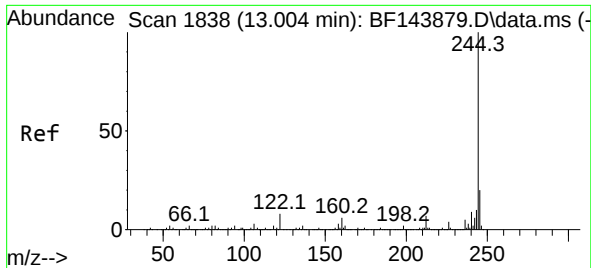
Tgt Ion:248 Resp: 7311
Ion Ratio Lower Upper
248 100
250 198.0 76.3 114.5#
141 433.9 49.7 74.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:240 Resp: 234493
Ion Ratio Lower Upper
240 100
120 12.4 8.6 13.0
236 25.0 21.1 31.7

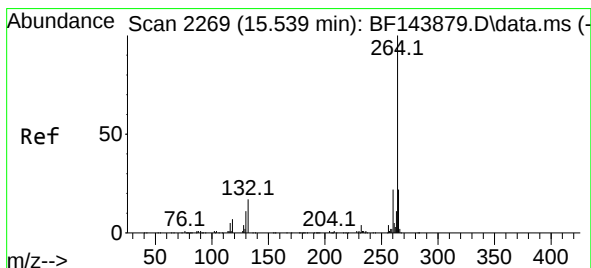
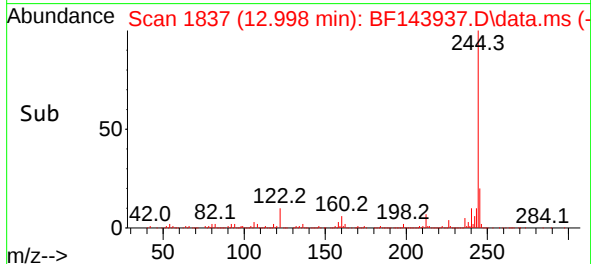
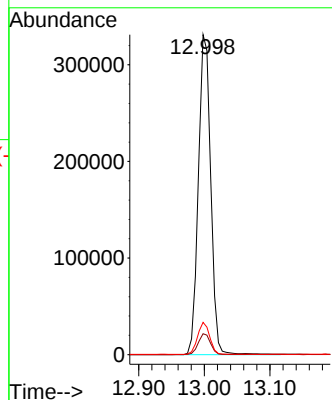
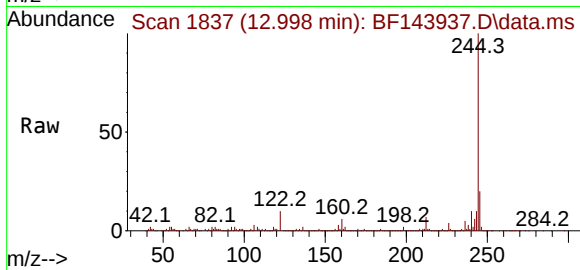




#79
 Terphenyl-d14
 Concen: 31.691 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143937.D
 Acq: 13 Oct 2025 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SED-01-0-2

Tgt Ion:244 Resp: 434819
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.1 6.4 9.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF143937.D
 Acq: 13 Oct 2025 17:32

Tgt Ion:264 Resp: 314720
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.8 26.8
 265 21.3 17.5 26.3

