

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143960.D
 Acq On : 15 Oct 2025 18:56
 Operator : RC/JU
 Sample : Q3341-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-3

Quant Time: Oct 16 11:10:41 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)

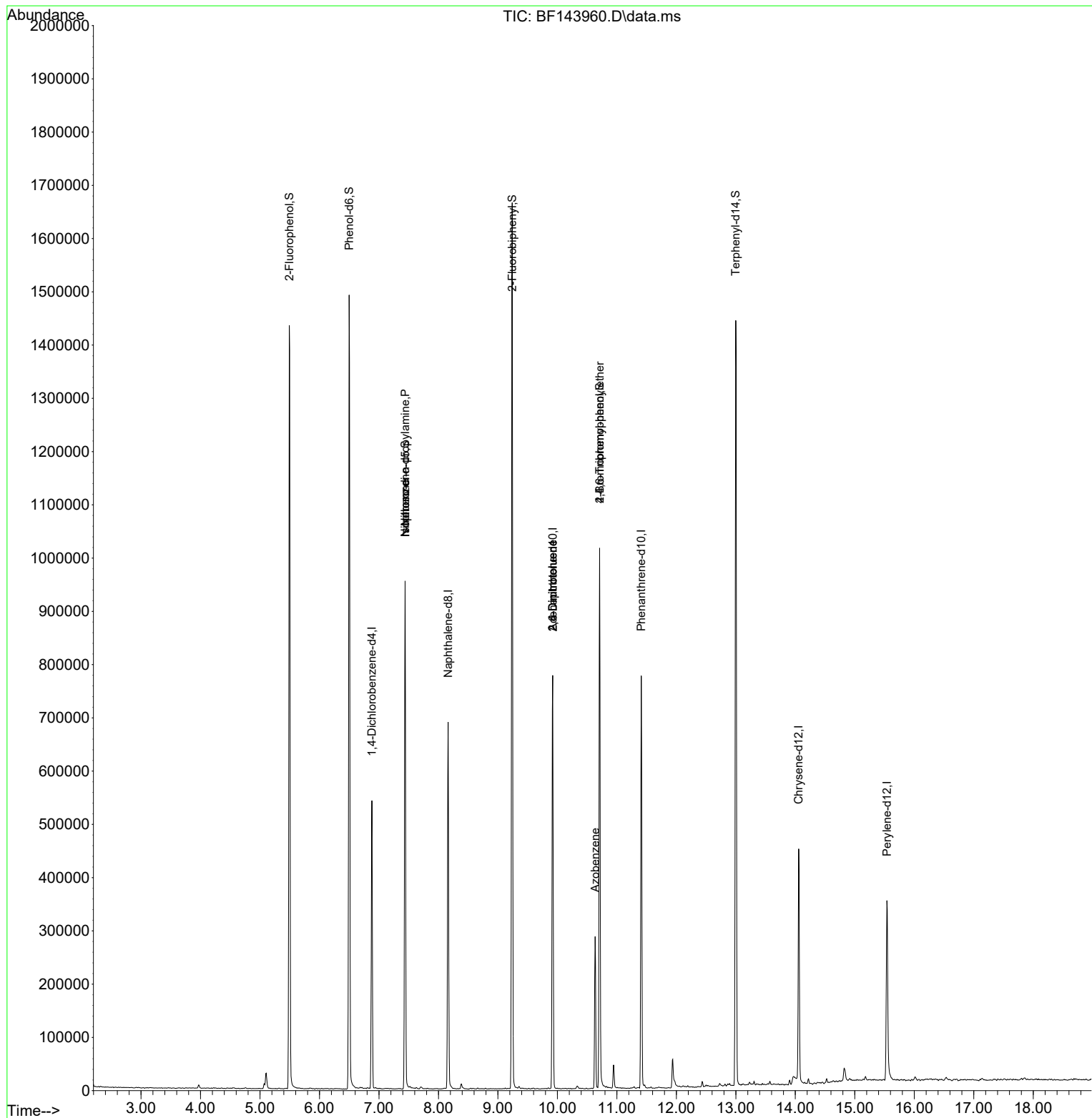
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	109785	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	433602	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	242042	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	411308	20.000	ng	0.00
76) Chrysene-d12	14.057	240	221618	20.000	ng	-0.01
86) Perylene-d12	15.539	264	220263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	560093	81.015	ng	0.00
7) Phenol-d6	6.499	99	675003	81.912	ng	-0.02
23) Nitrobenzene-d5	7.440	82	398476	55.833	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	186013	77.159	ng	-0.01
45) 2-Fluorobiphenyl	9.240	172	785838	51.517	ng	-0.01
79) Terphenyl-d14	12.998	244	766189	59.087	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	59399	10.531	ng	# 76
25) Isophorone	7.440	82	330995	21.995	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	31144	10.927	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	31144	8.031	ng	# 27
63) Azobenzene	10.634	77	71990	4.824	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11400	2.508	ng	# 1

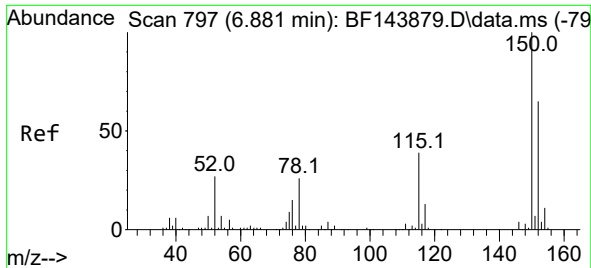
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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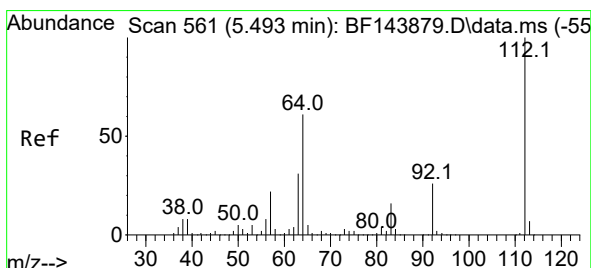
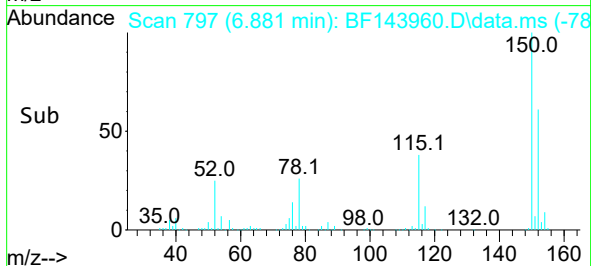
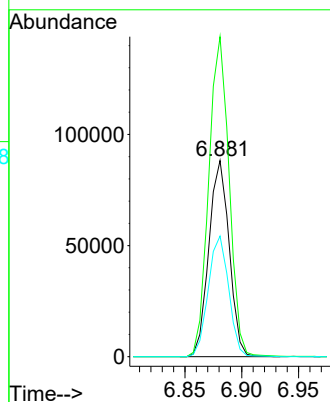
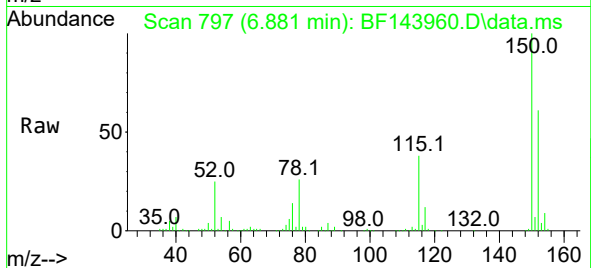




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

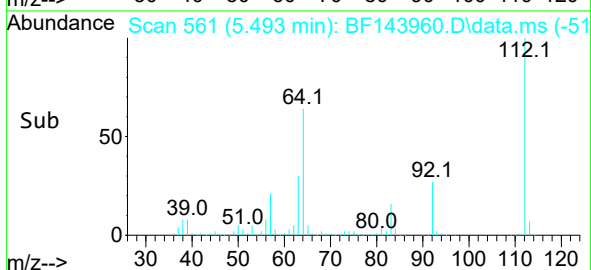
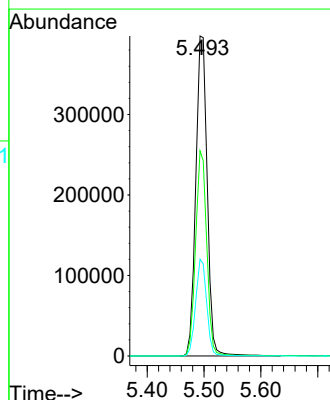
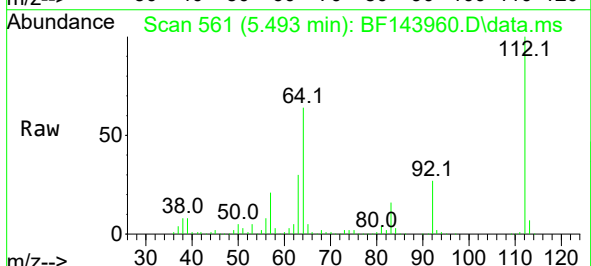
Instrument :
BNA_F
ClientSampleId :
C-3

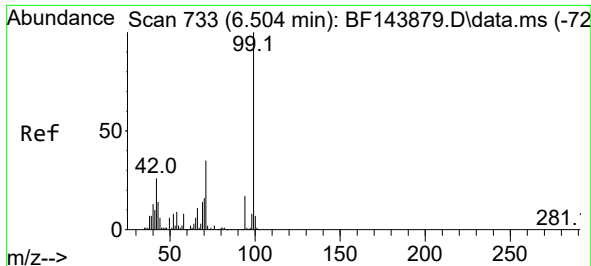
Tgt Ion:152 Resp: 109785
Ion Ratio Lower Upper
152 100
150 163.1 124.4 186.6
115 61.5 48.1 72.1



#5
2-Fluorophenol
Concen: 81.015 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Tgt Ion:112 Resp: 560093
Ion Ratio Lower Upper
112 100
64 64.1 49.1 73.7
63 30.2 24.5 36.7

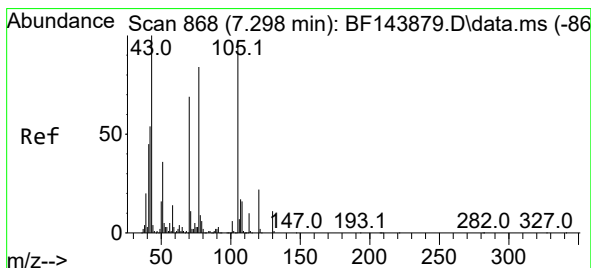
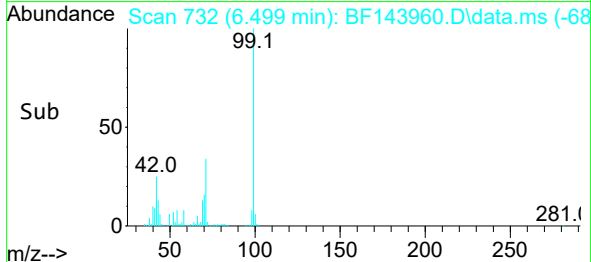
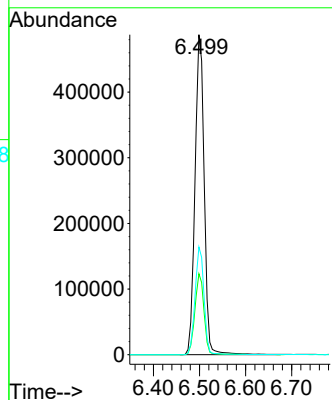
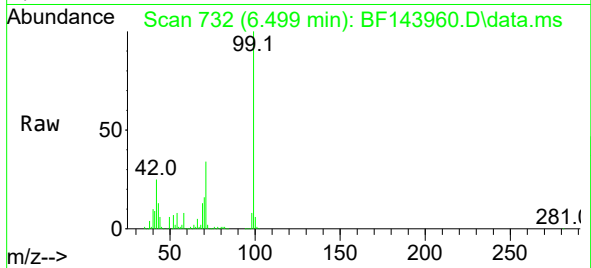




#7
Phenol-d6
Concen: 81.912 ng
RT: 6.499 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

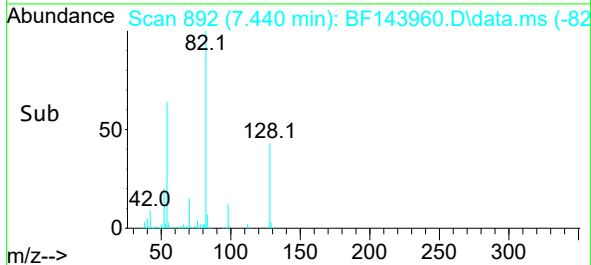
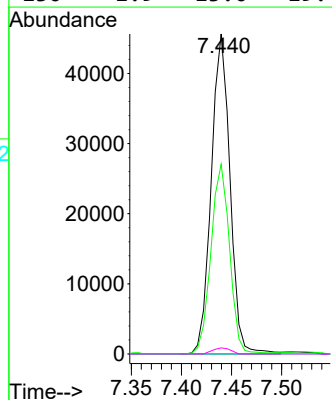
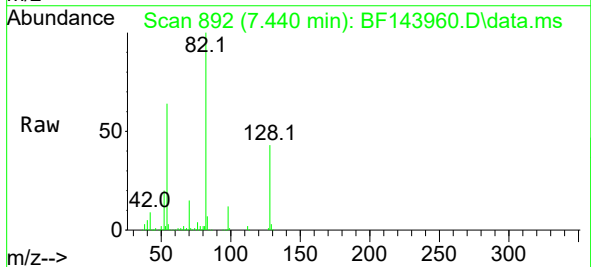
Instrument :
BNA_F
ClientSampleId :
C-3

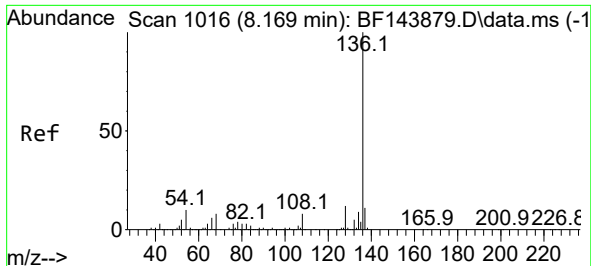
Tgt Ion: 99 Resp: 675003
Ion Ratio Lower Upper
99 100
42 25.3 21.0 31.4
71 33.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.531 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Tgt Ion: 70 Resp: 59399
Ion Ratio Lower Upper
70 100
42 59.3 62.8 94.2#
101 0.0 6.7 10.1#
130 1.9 13.0 19.4#

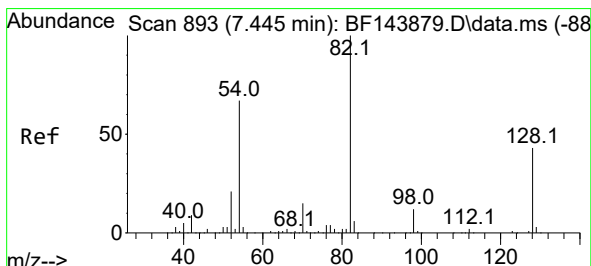
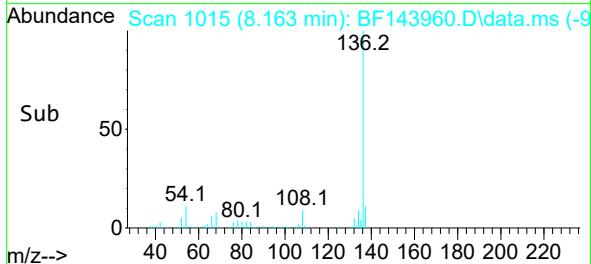
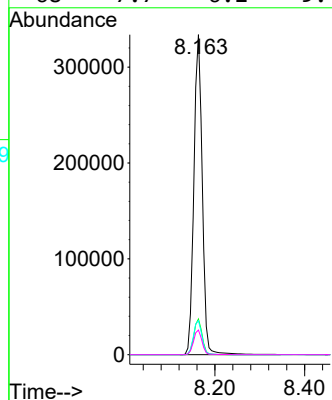
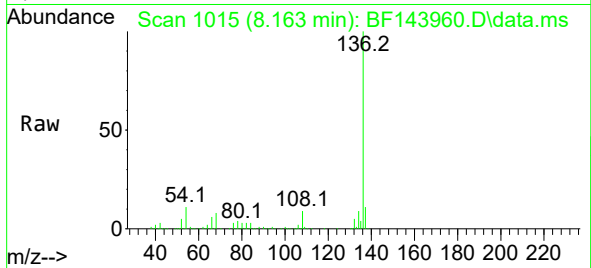




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

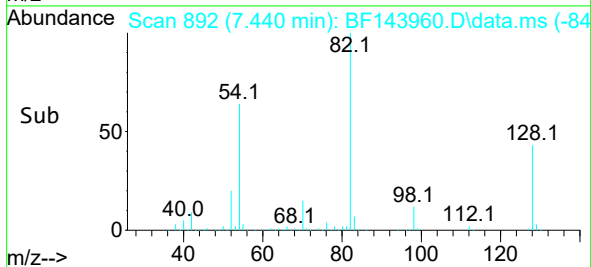
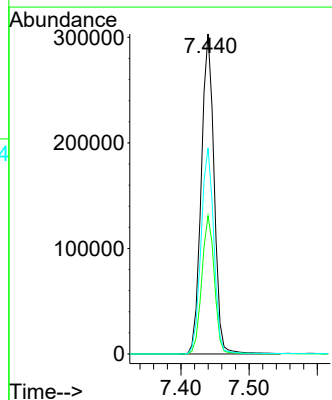
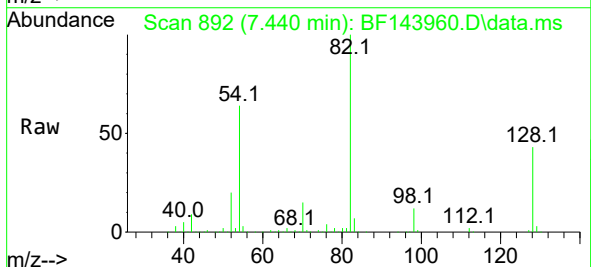
Instrument :
BNA_F
ClientSampleId :
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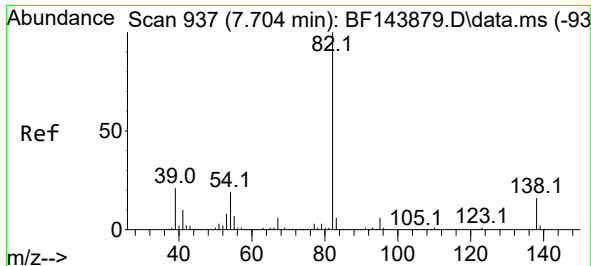
Tgt Ion:136 Resp: 433602
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.6 8.2 12.4
68 7.7 6.2 9.4



#23
Nitrobenzene-d5
Concen: 55.833 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Tgt Ion: 82 Resp: 398476
Ion Ratio Lower Upper
82 100
128 43.2 34.0 51.0
54 64.3 53.2 79.8

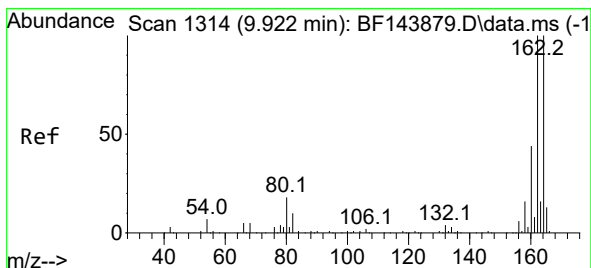
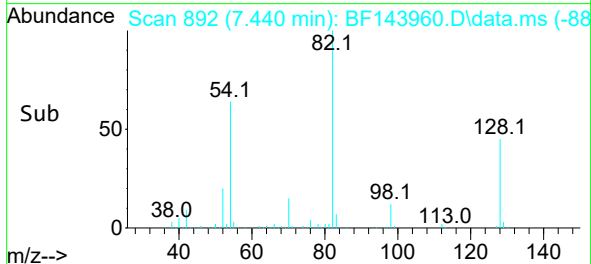
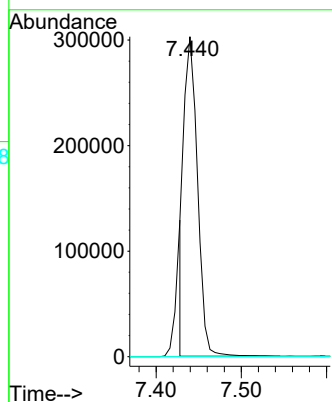
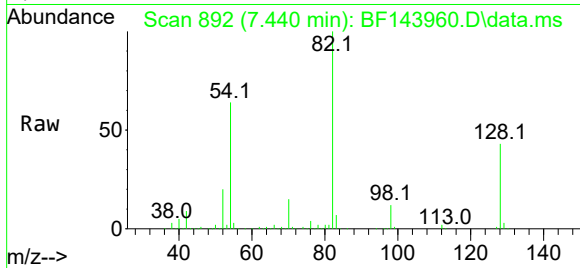




#25
Isophorone
Concen: 21.995 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

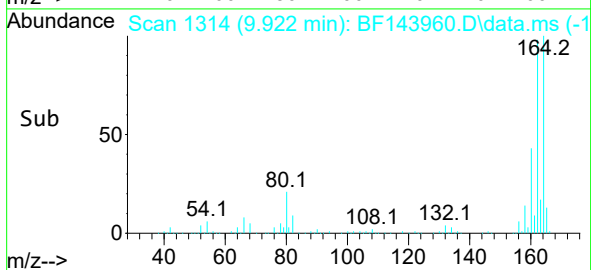
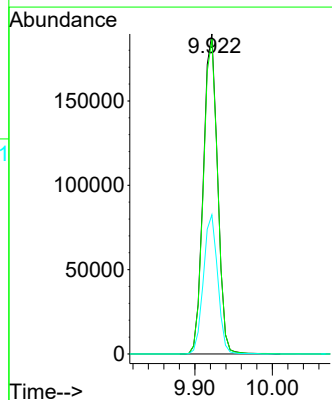
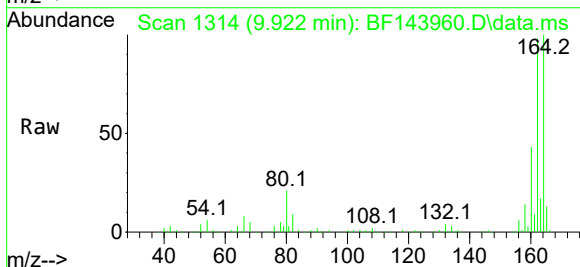
Instrument :
BNA_F
ClientSampleId :
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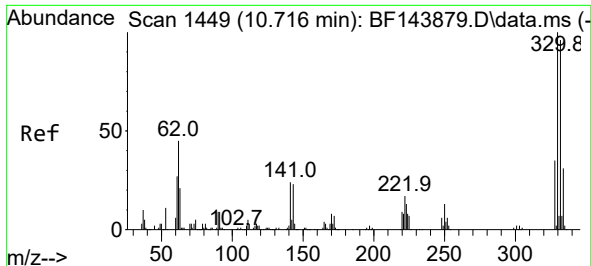
Tgt Ion: 82 Resp: 330995
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Tgt Ion:164 Resp: 242042
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 43.5 35.4 53.0

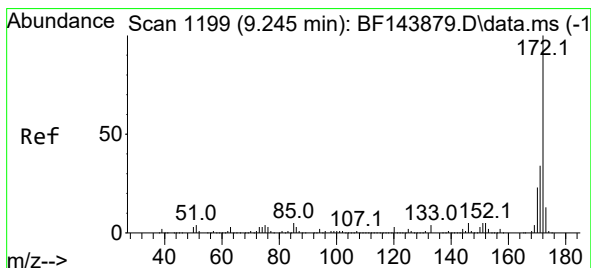
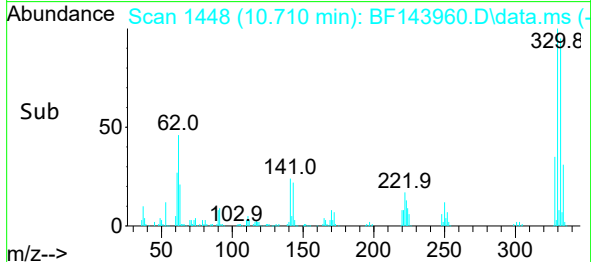
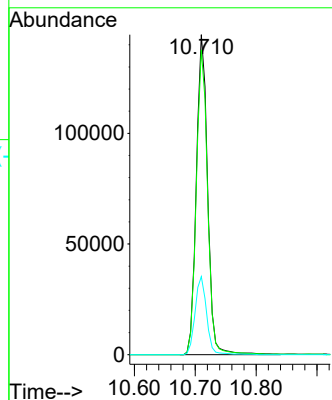
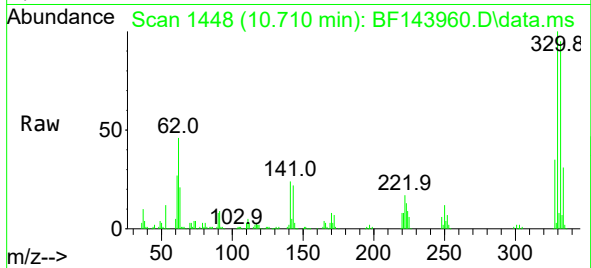




#42
2,4,6-Tribromophenol
Concen: 77.159 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

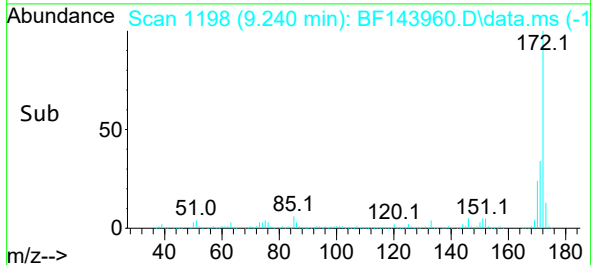
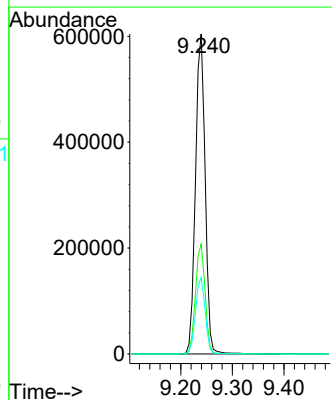
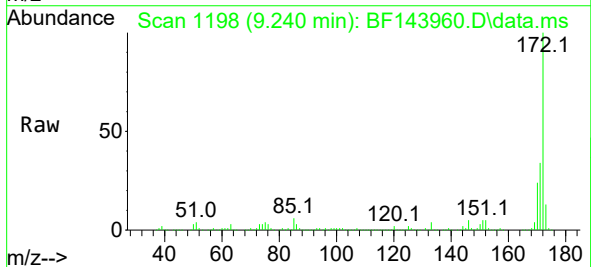
Instrument :
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C-3

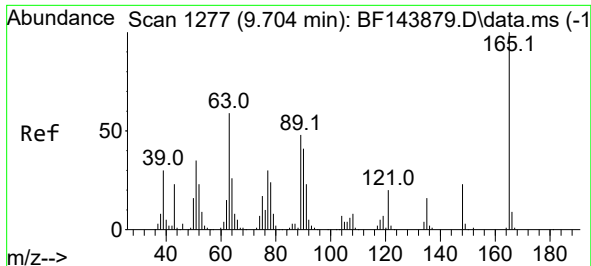
Tgt Ion: 330 Resp: 186013
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 25.0 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 51.517 ng
RT: 9.240 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Tgt Ion: 172 Resp: 785838
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 23.9 18.6 28.0

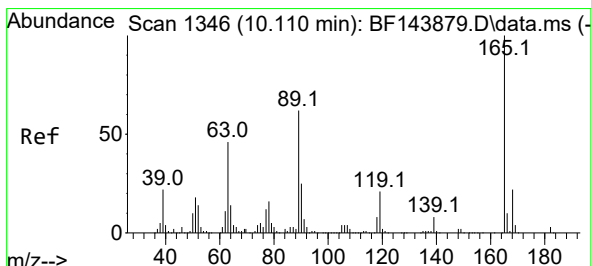
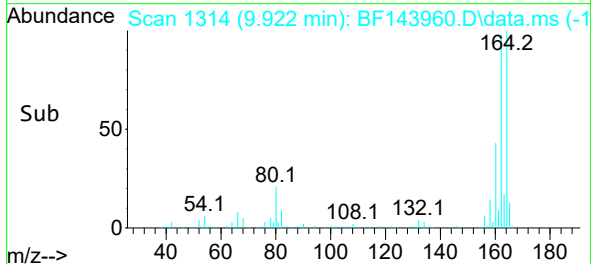
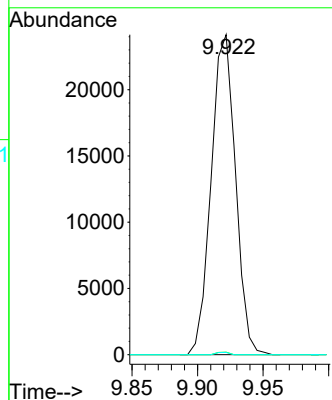
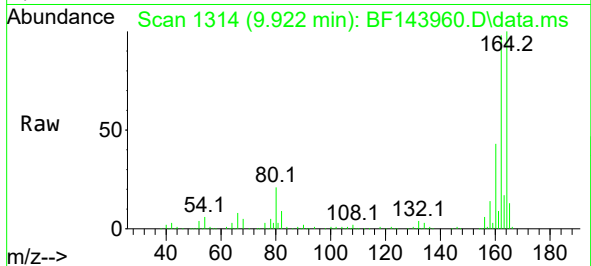




#51
2,6-Dinitrotoluene
Concen: 10.927 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.206 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

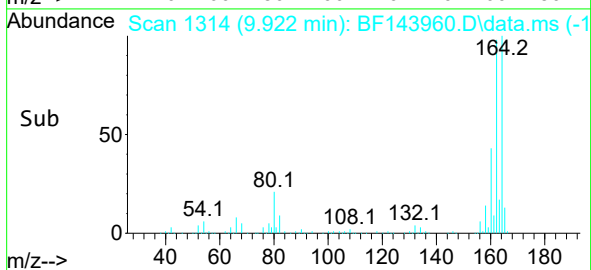
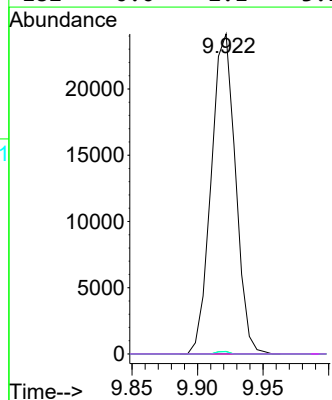
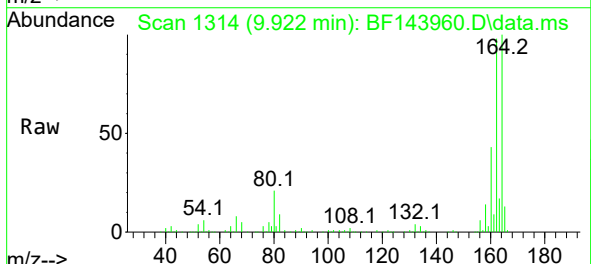
Instrument :
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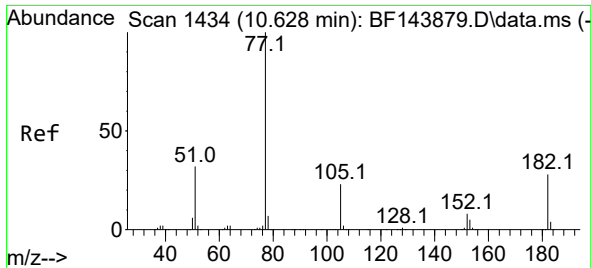
Tgt Ion:165 Resp: 31144
Ion Ratio Lower Upper
165 100
63 0.8 47.3 70.9#
89 0.7 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.031 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Tgt Ion:165 Resp: 31144
Ion Ratio Lower Upper
165 100
63 0.8 37.2 55.8#
89 0.7 49.4 74.2#
182 0.0 2.1 3.1#

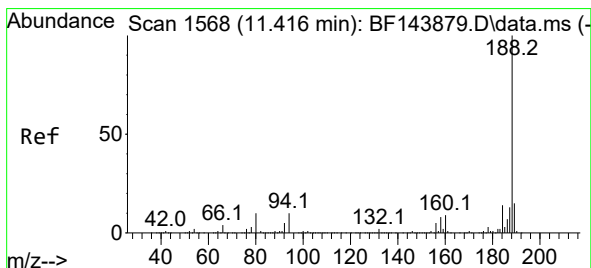
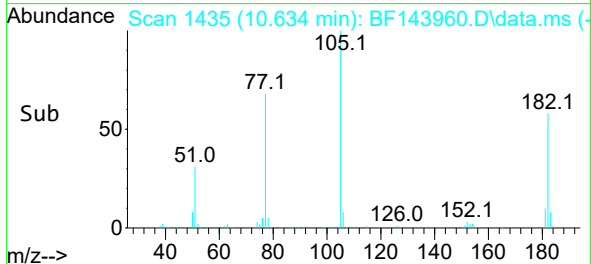
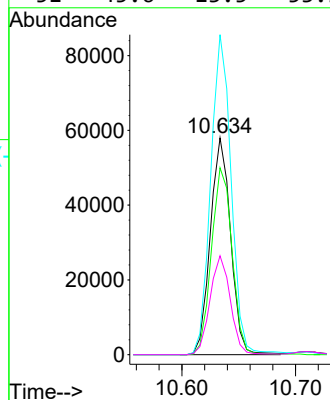
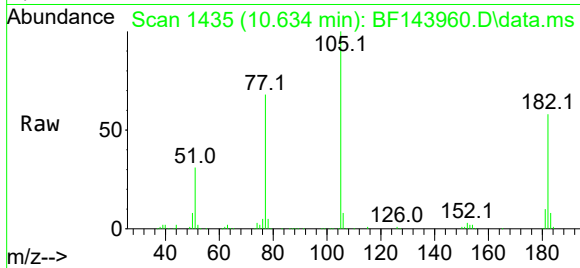




#63
 Azobenzene
 Concen: 4.824 ng
 RT: 10.634 min Scan# 1435
 Delta R.T. 0.000 min
 Lab File: BF143960.D
 Acq: 15 Oct 2025 18:56

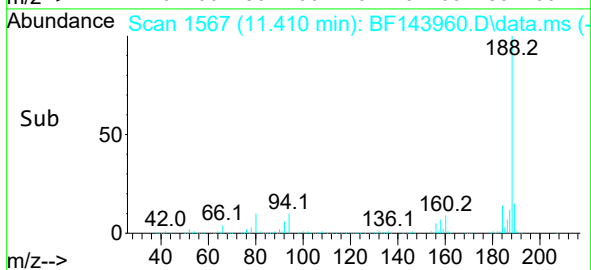
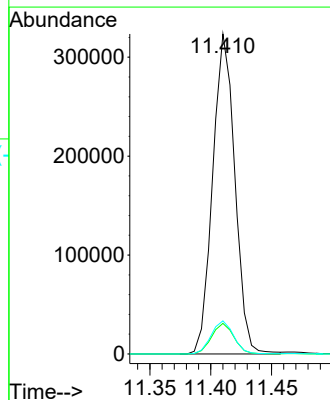
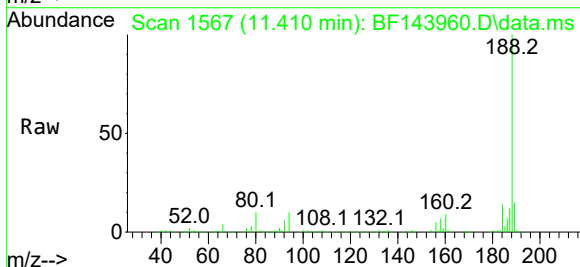
Instrument :
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 ClientSampleId :
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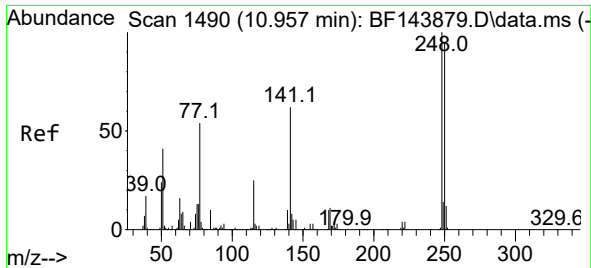
Tgt Ion: 77 Resp: 71990
 Ion Ratio Lower Upper
 77 100
 182 86.2 7.3 47.3#
 105 147.6 3.0 43.0#
 51 45.6 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF143960.D
 Acq: 15 Oct 2025 18:56

Tgt Ion: 188 Resp: 411308
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.8 11.6
 80 10.3 7.9 11.9

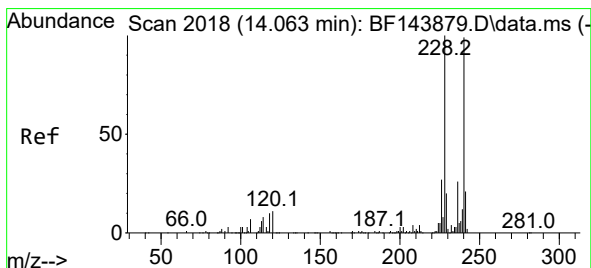
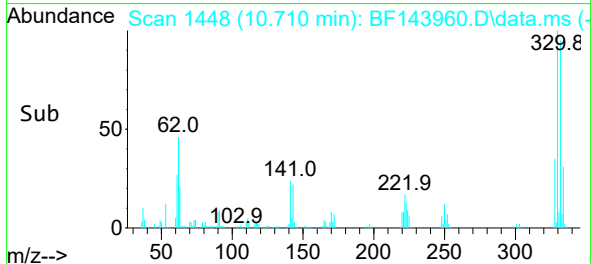
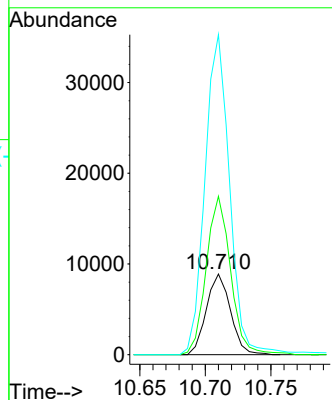
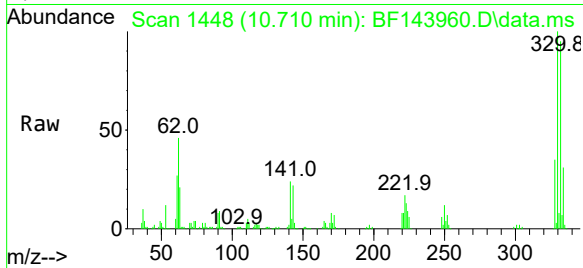




#67
4-Bromophenyl-phenylether
Concen: 2.508 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

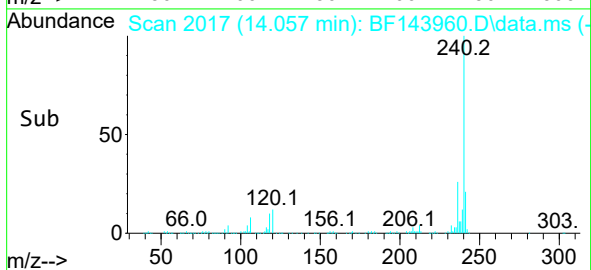
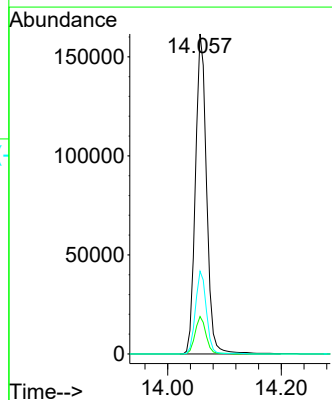
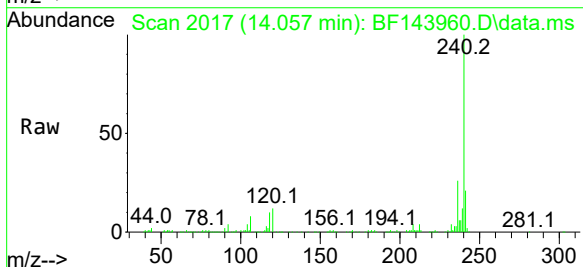
Instrument :
BNA_F
ClientSampleId :
C-3

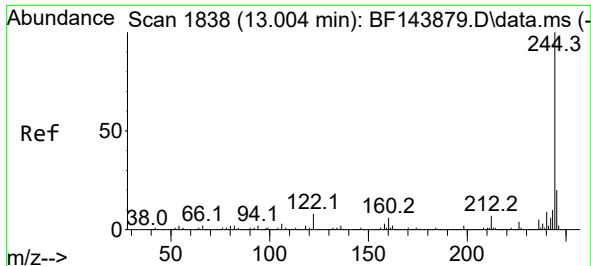
Tgt Ion:248 Resp: 11400
Ion Ratio Lower Upper
248 100
250 196.2 76.3 114.5#
141 396.4 49.7 74.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

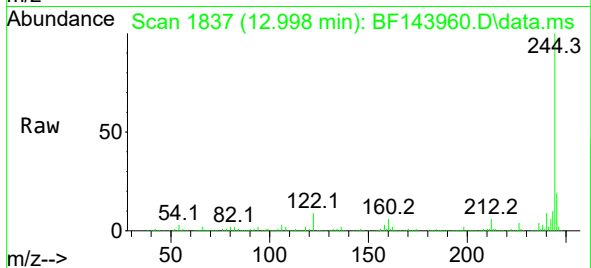
Tgt Ion:240 Resp: 221618
Ion Ratio Lower Upper
240 100
120 11.7 8.6 13.0
236 25.9 21.1 31.7



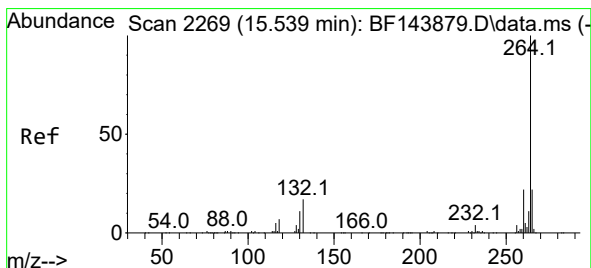
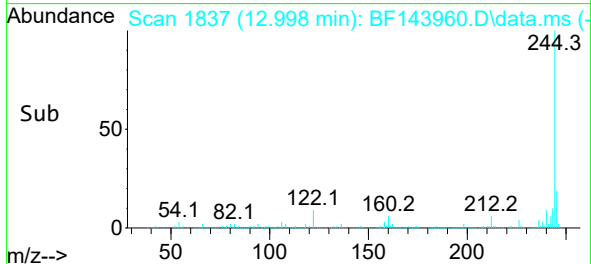
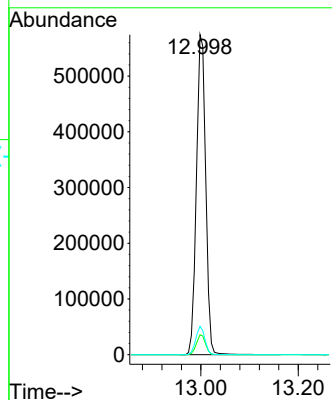


#79
Terphenyl-d14
Concen: 59.087 ng
RT: 12.998 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Instrument :
BNA_F
ClientSampleId :
C-3



Tgt Ion:244 Resp: 766189
Ion Ratio Lower Upper
244 100
212 6.2 5.4 8.0
122 8.8 6.4 9.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143960.D
Acq: 15 Oct 2025 18:56

Tgt Ion:264 Resp: 220263
Ion Ratio Lower Upper
264 100
260 21.2 17.8 26.8
265 21.1 17.5 26.3

