

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100925\
 Data File : BF143918.D
 Acq On : 09 Oct 2025 19:41
 Operator : RC/JU
 Sample : Q3319-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-100825

Quant Time: Oct 10 02:00:01 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)

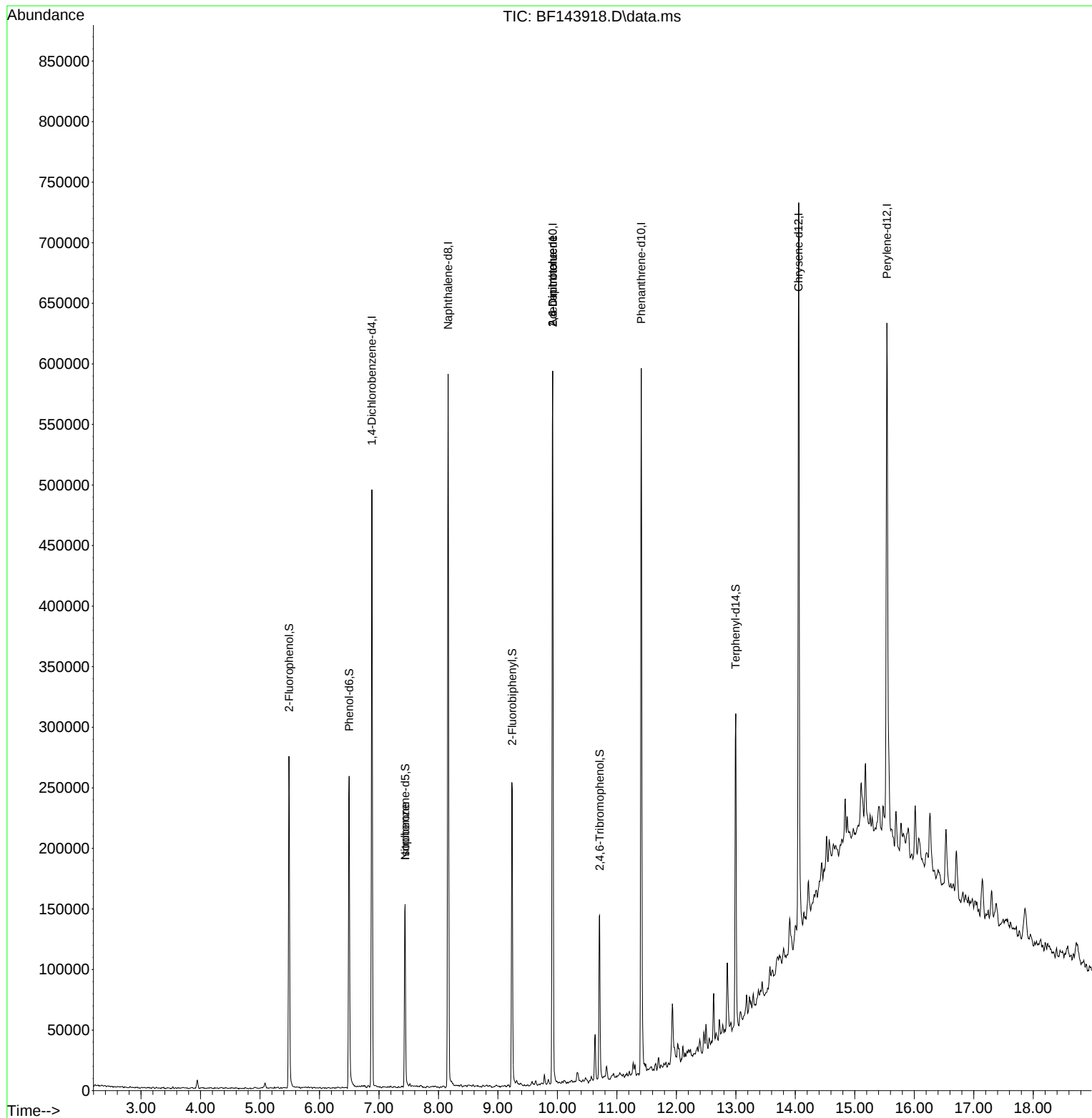
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	97417	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	365668	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	179159	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	306976	20.000	ng	0.00
76) Chrysene-d12	14.057	240	293825	20.000	ng	-0.01
86) Perylene-d12	15.539	264	273527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	108740	17.726	ng	-0.01
7) Phenol-d6	6.498	99	124349	17.006	ng	-0.02
23) Nitrobenzene-d5	7.439	82	66356	11.025	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	26715	14.971	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	130896	11.593	ng	-0.01
79) Terphenyl-d14	12.998	244	131042	7.622	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.439	82	51376	4.048	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	24385	11.558	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	24385	8.495	ng	# 26

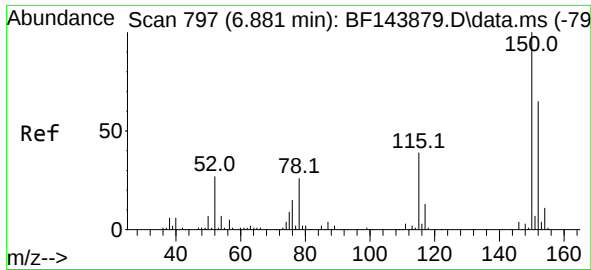
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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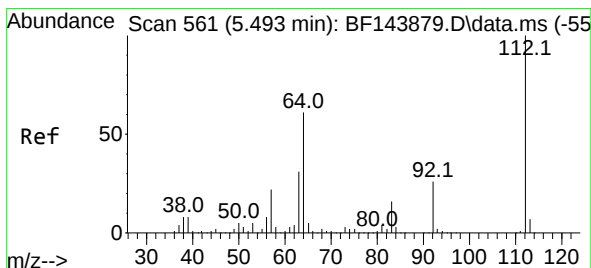
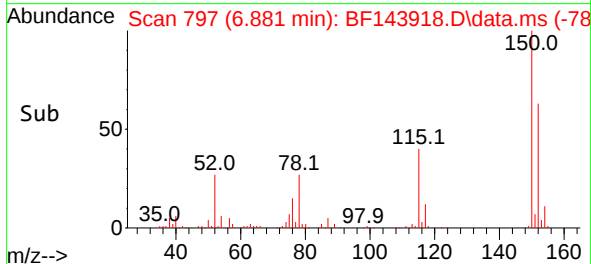
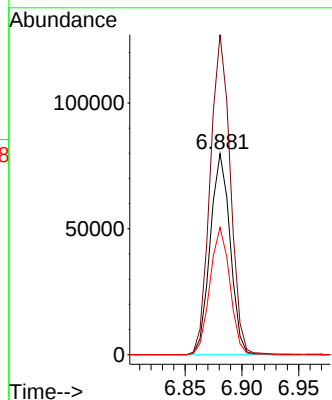
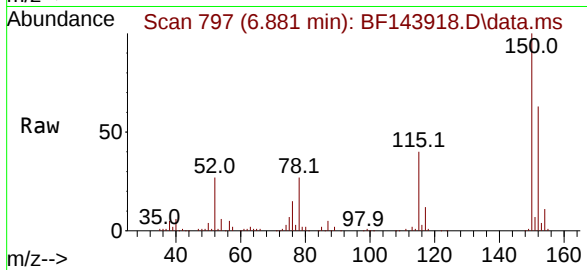




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

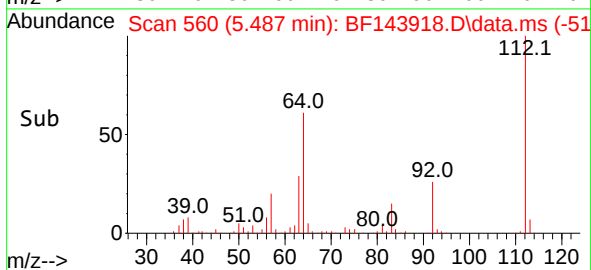
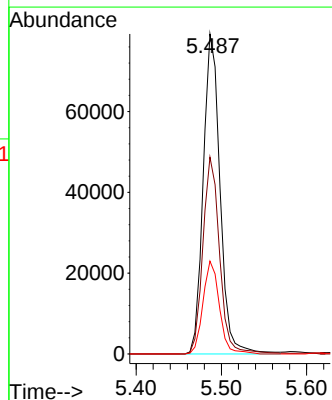
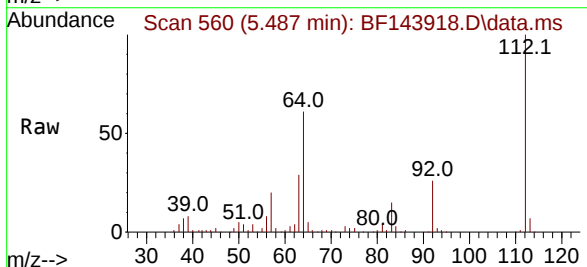
Instrument :
BNA_F
ClientSampleId :
OK-01-100825

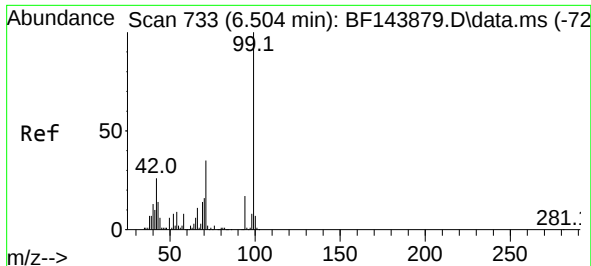
Tgt Ion:152 Resp: 97417
Ion Ratio Lower Upper
152 100
150 159.2 124.4 186.6
115 63.3 48.1 72.1



#5
2-Fluorophenol
Concen: 17.726 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

Tgt Ion:112 Resp: 108740
Ion Ratio Lower Upper
112 100
64 61.5 49.1 73.7
63 29.0 24.5 36.7

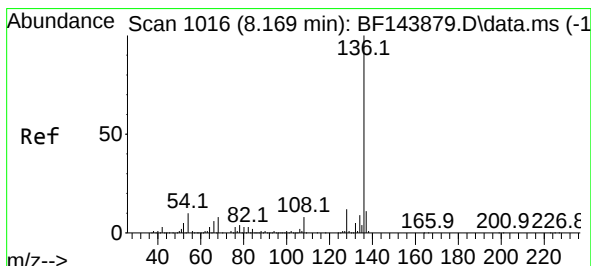
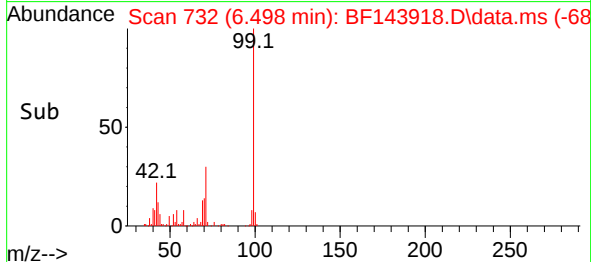
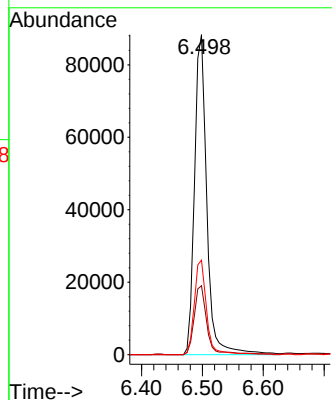
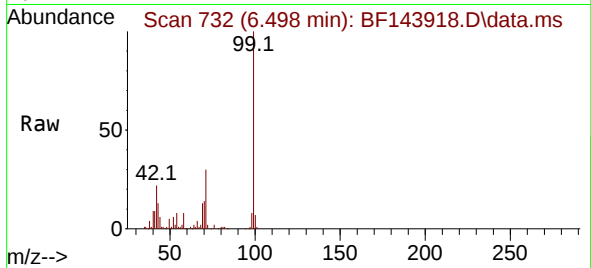




#7
Phenol-d6
Concen: 17.006 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

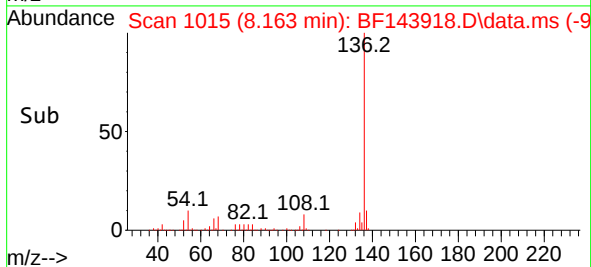
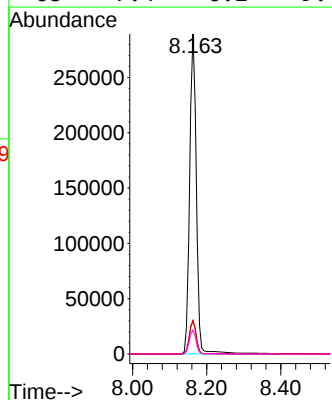
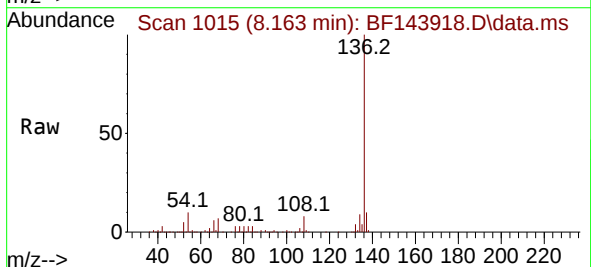
Instrument :
BNA_F
ClientSampleId :
OK-01-100825

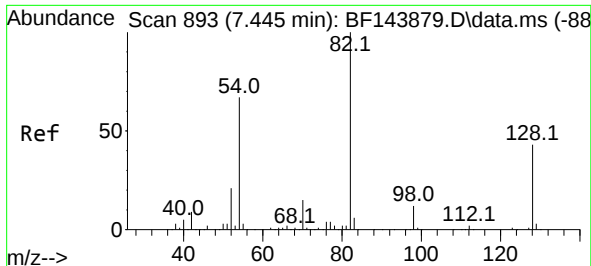
Tgt Ion: 99 Resp: 124349
Ion Ratio Lower Upper
99 100
42 21.5 21.0 31.4
71 29.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

Tgt Ion: 136 Resp: 365668
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 10.4 8.2 12.4
68 7.4 6.2 9.4





#23

Nitrobenzene-d5

Concen: 11.025 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.018 min

Lab File: BF143918.D

Acq: 09 Oct 2025 19:41

Instrument :

BNA_F

ClientSampleId :

OK-01-100825

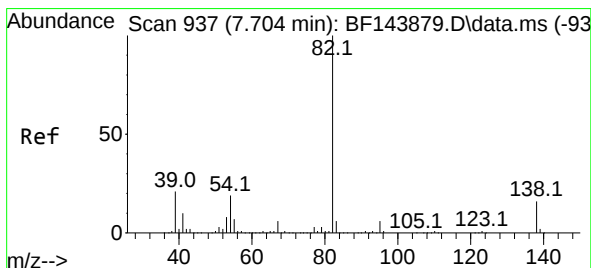
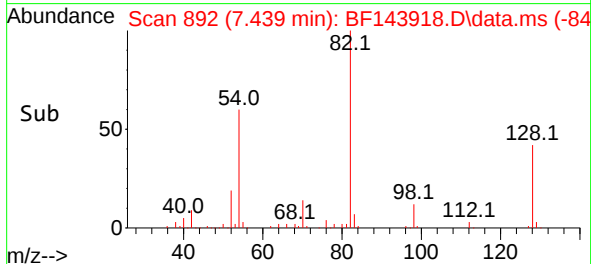
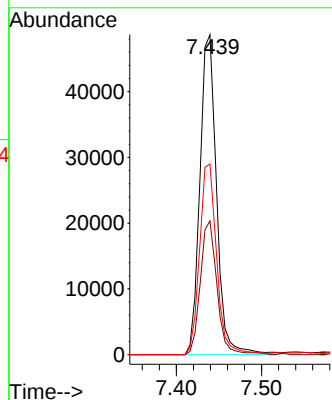
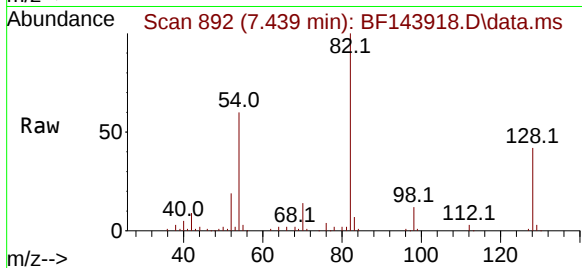
Tgt Ion: 82 Resp: 66356

Ion Ratio Lower Upper

82 100

128 41.8 34.0 51.0

54 59.6 53.2 79.8



#25

Isophorone

Concen: 4.048 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.282 min

Lab File: BF143918.D

Acq: 09 Oct 2025 19:41

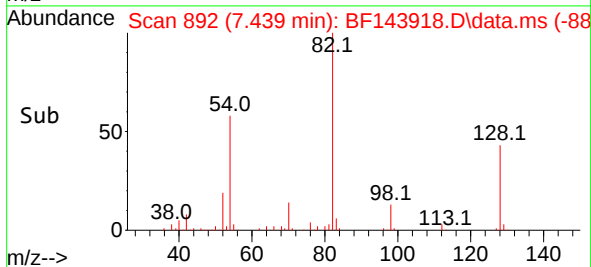
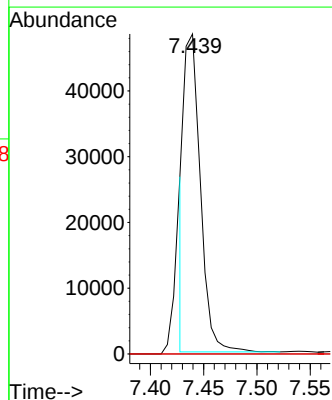
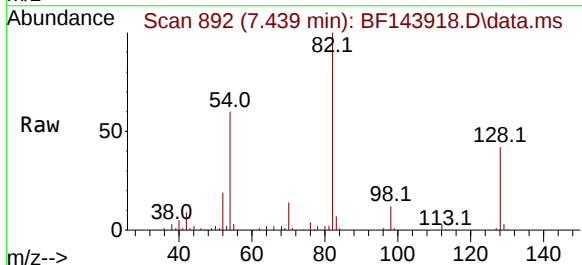
Tgt Ion: 82 Resp: 51376

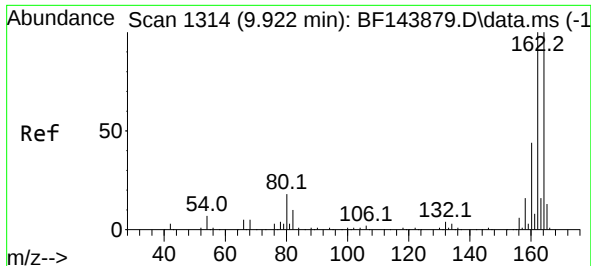
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.005 min

Lab File: BF143918.D

Acq: 09 Oct 2025 19:41

Instrument :

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ClientSampleId :

OK-01-100825

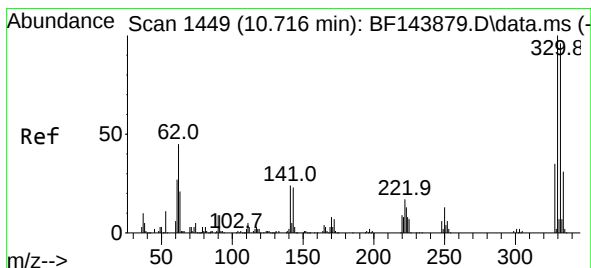
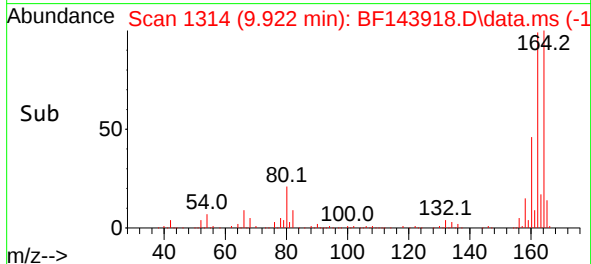
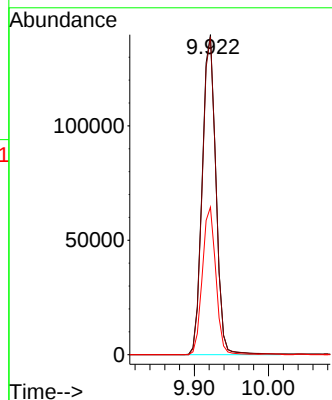
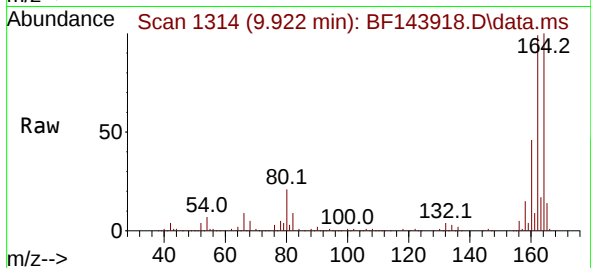
Tgt Ion:164 Resp: 179159

Ion Ratio Lower Upper

164 100

162 99.4 80.2 120.2

160 46.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 14.971 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.012 min

Lab File: BF143918.D

Acq: 09 Oct 2025 19:41

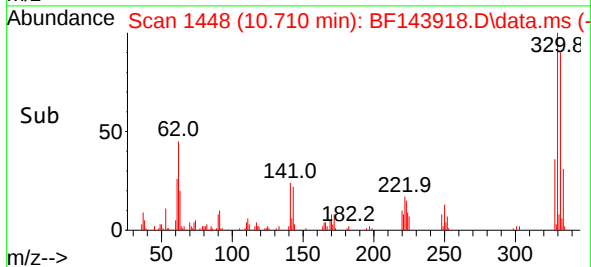
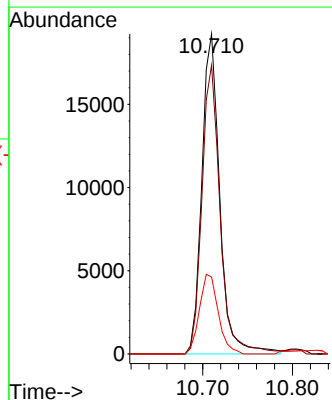
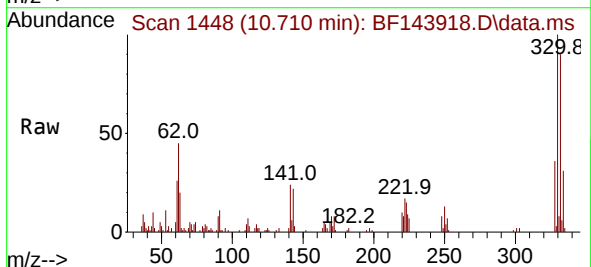
Tgt Ion:330 Resp: 26715

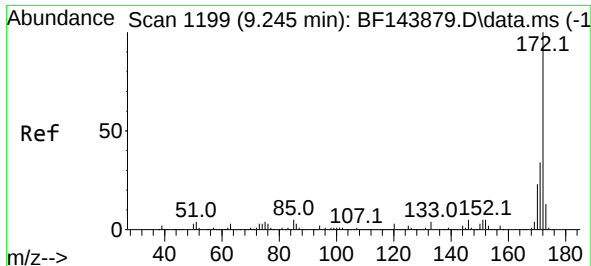
Ion Ratio Lower Upper

330 100

332 91.0 76.9 115.3

141 26.1 20.2 30.4

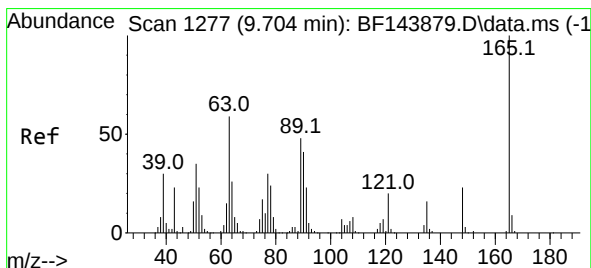
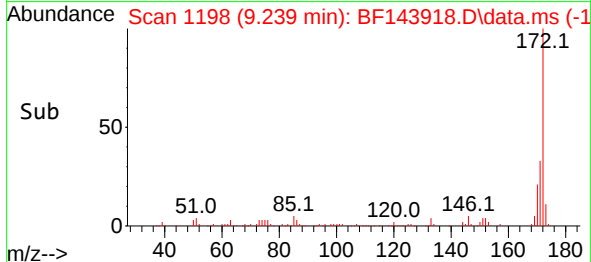
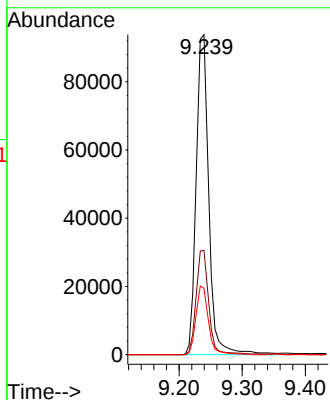
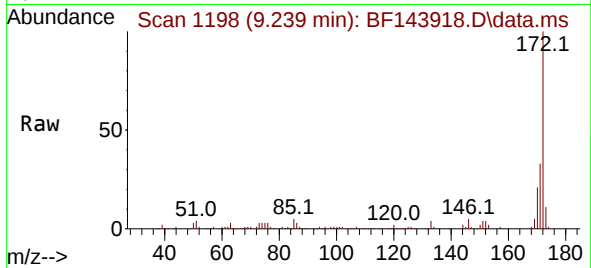




#45
2-Fluorobiphenyl
Concen: 11.593 ng
RT: 9.239 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

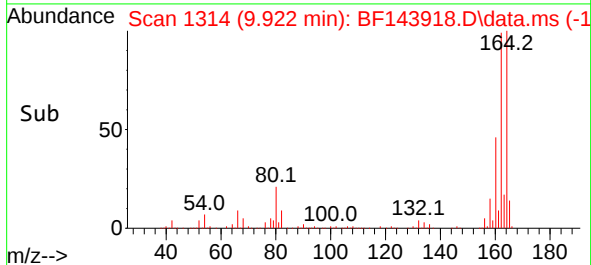
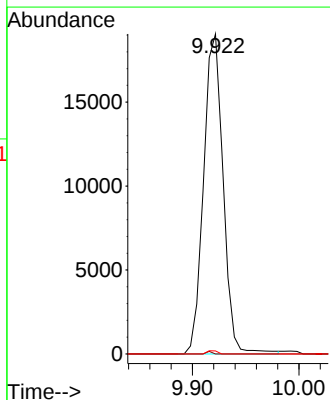
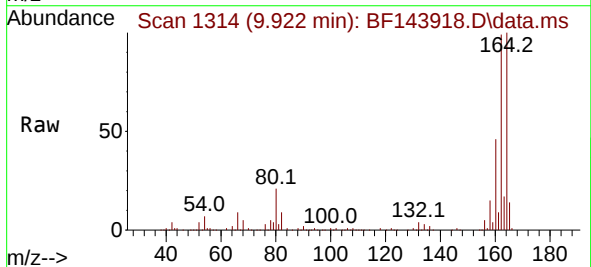
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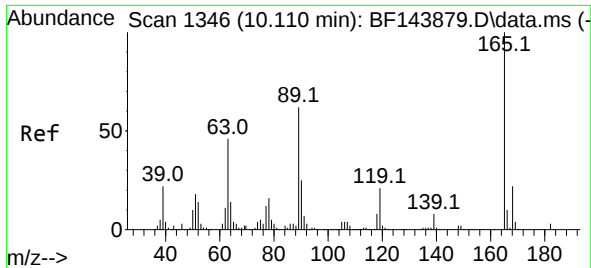
Tgt Ion:172 Resp: 130896
Ion Ratio Lower Upper
172 100
171 32.6 27.4 41.0
170 20.8 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 11.558 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.206 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

Tgt Ion:165 Resp: 24385
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.9 38.2 57.4#

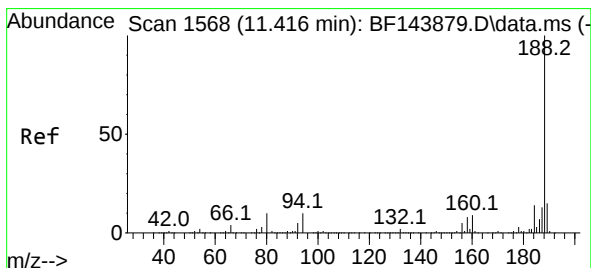
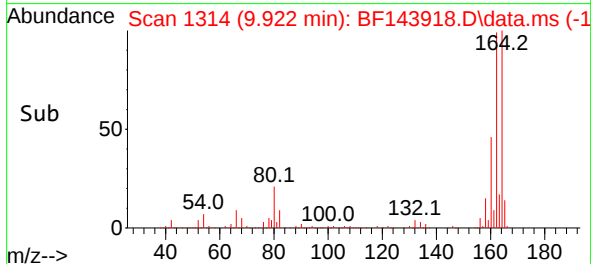
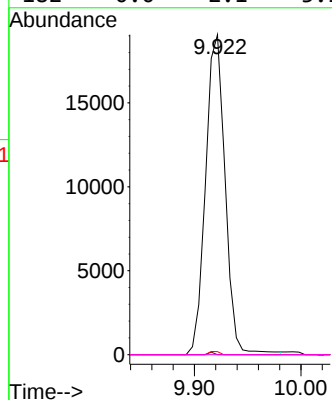
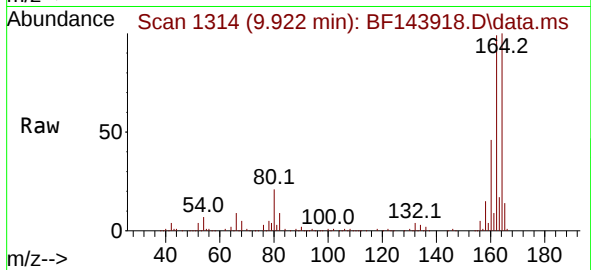




#57
2,4-Dinitrotoluene
Concen: 8.495 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

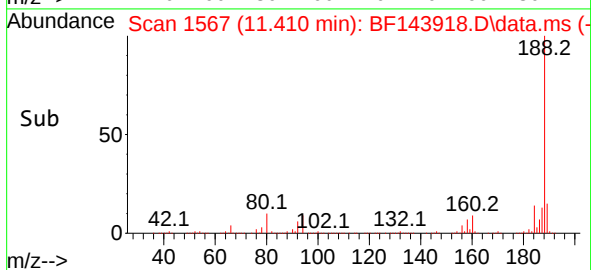
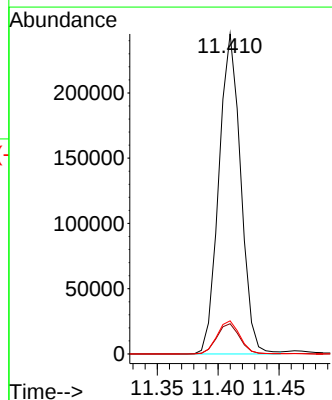
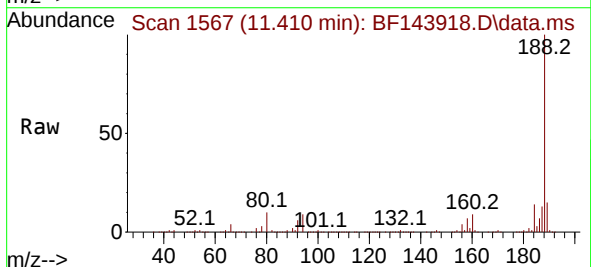
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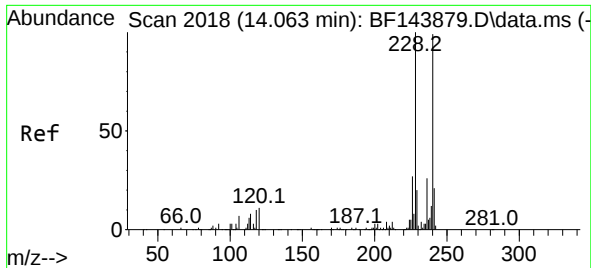
Tgt Ion:165 Resp: 24385
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.9 49.4 74.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

Tgt Ion:188 Resp: 306976
Ion Ratio Lower Upper
188 100
94 9.5 7.8 11.6
80 10.4 7.9 11.9

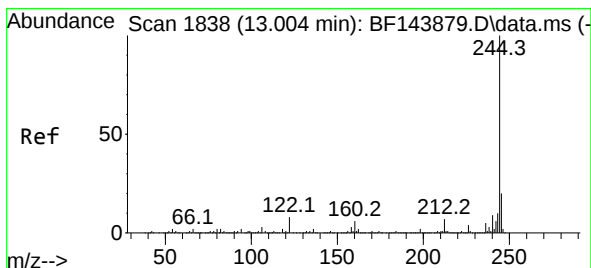
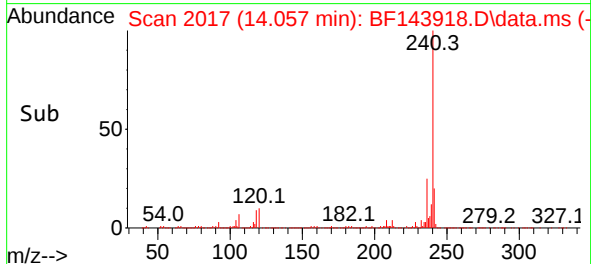
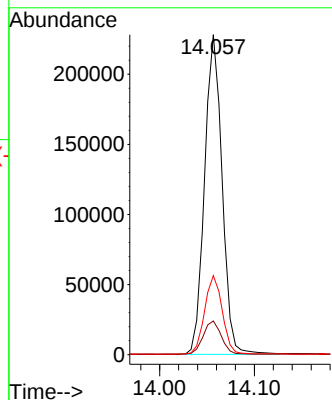
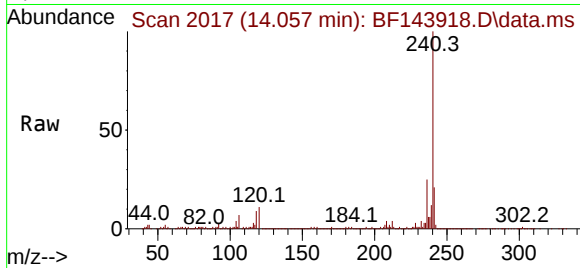




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

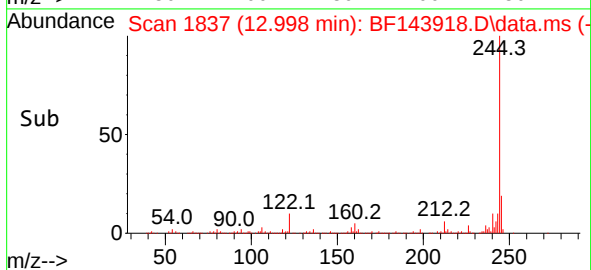
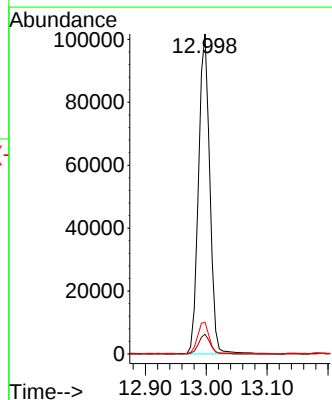
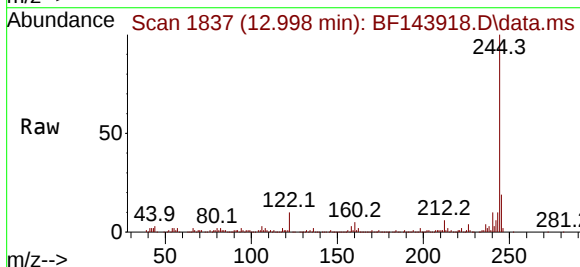
Instrument :
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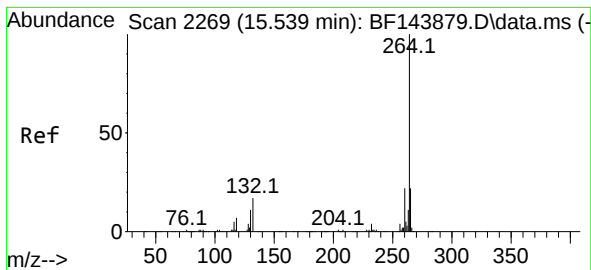
Tgt Ion:240 Resp: 293825
Ion Ratio Lower Upper
240 100
120 10.5 8.6 13.0
236 24.7 21.1 31.7



#79
Terphenyl-d14
Concen: 7.622 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143918.D
Acq: 09 Oct 2025 19:41

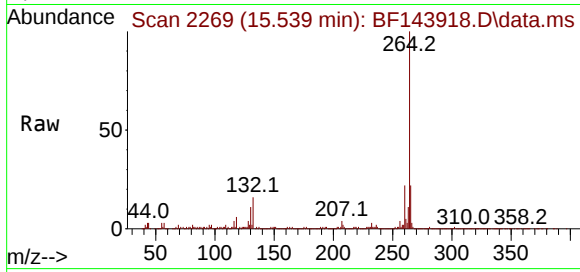
Tgt Ion:244 Resp: 131042
Ion Ratio Lower Upper
244 100
212 6.1 5.4 8.0
122 9.9 6.4 9.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143918.D
 Acq: 09 Oct 2025 19:41

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-100825



Tgt Ion:264 Resp: 273527
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.8 26.8
 265 21.8 17.5 26.3

