

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143924.D
 Acq On : 10 Oct 2025 14:54
 Operator : RC/JU
 Sample : Q3310-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-2-3

Quant Time: Oct 10 15:32:02 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)

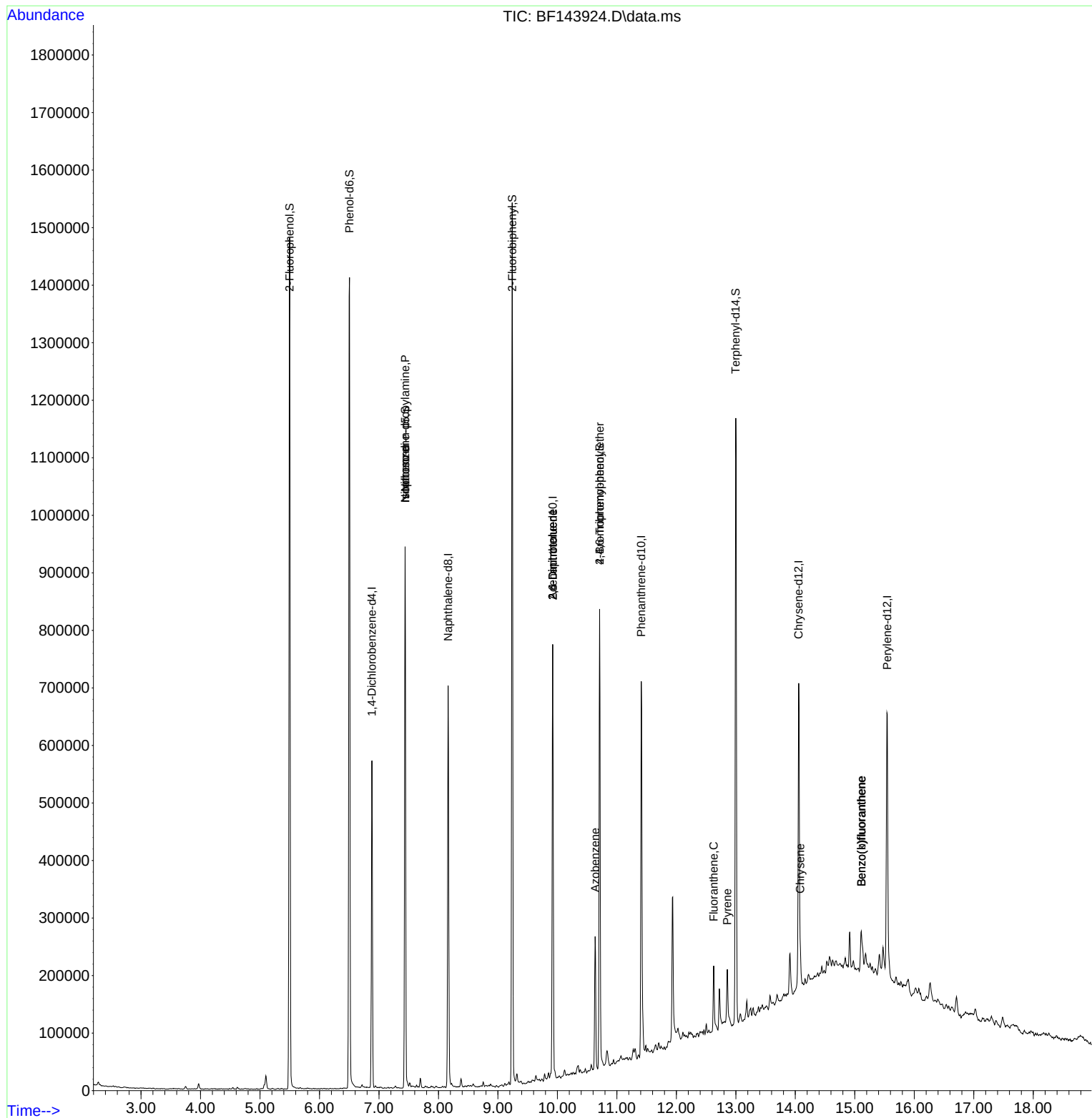
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113732	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	428776	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	223841	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	349222	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243012	20.000	ng	-0.01
86) Perylene-d12	15.545	264	304396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	558429	77.971	ng	0.00
7) Phenol-d6	6.504	99	637384	74.663	ng	-0.01
23) Nitrobenzene-d5	7.439	82	388896	55.104	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	144914	64.998	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	710914	50.395	ng	-0.01
79) Terphenyl-d14	12.998	244	552949	38.888	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	56257	9.627	ng	# 78
25) Isophorone	7.439	82	331681	22.289	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	28604	10.852	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	28604	7.976	ng	# 26
63) Azobenzene	10.633	77	60030	4.349	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9074	2.351	ng	# 1
75) Fluoranthene	12.627	202	60839	3.479	ng	95
78) Pyrene	12.857	202	55834	2.756	ng	99
83) Chrysene	14.080	228	32635	2.217	ng	# 92
88) Benzo(b)fluoranthene	15.109	252	50220	2.872	ng	# 91
89) Benzo(k)fluoranthene	15.109	252	50220	3.104	ng	# 92

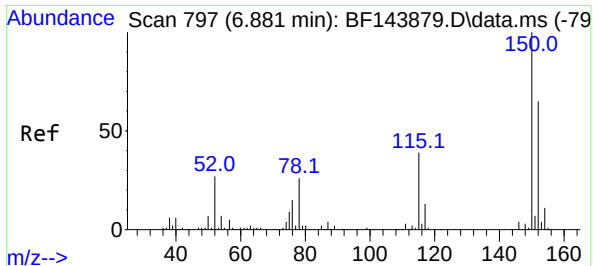
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
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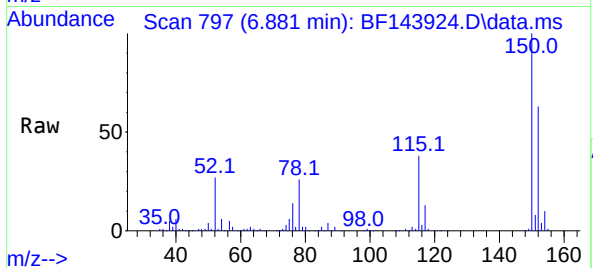
Quant Time: Oct 10 15:32:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
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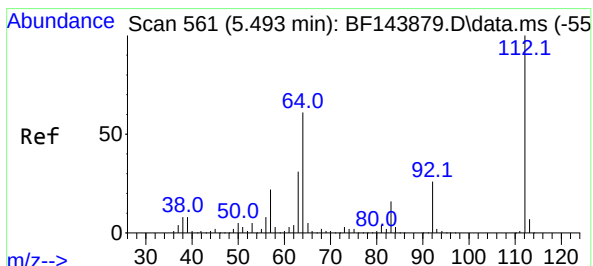
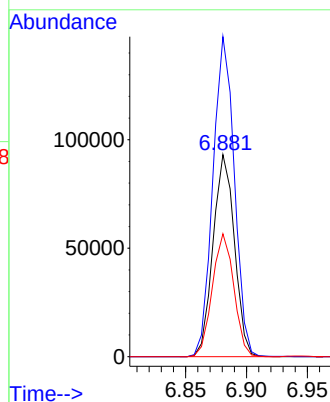
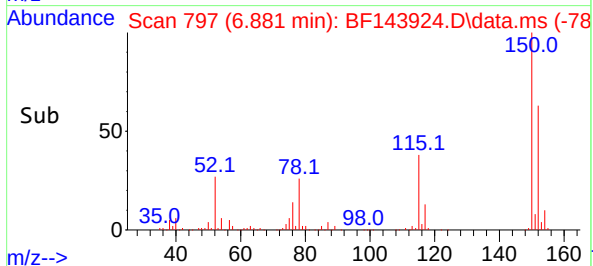


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

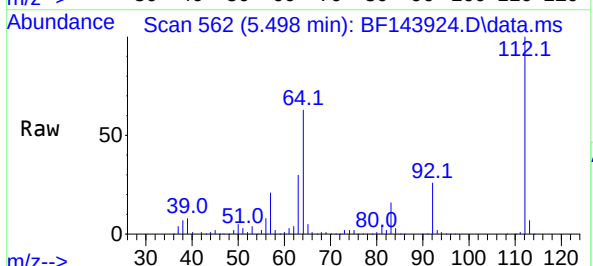
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



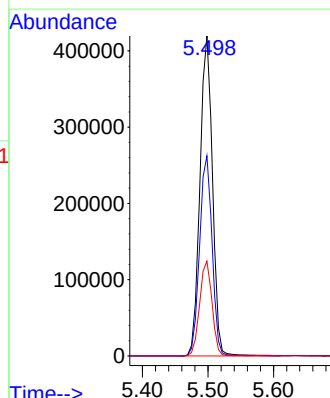
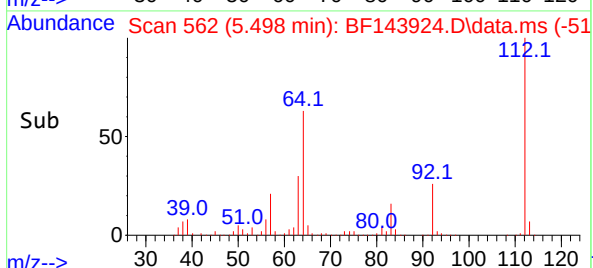
Tgt Ion:152 Resp: 113732
Ion Ratio Lower Upper
152 100
150 158.4 124.4 186.6
115 60.8 48.1 72.1

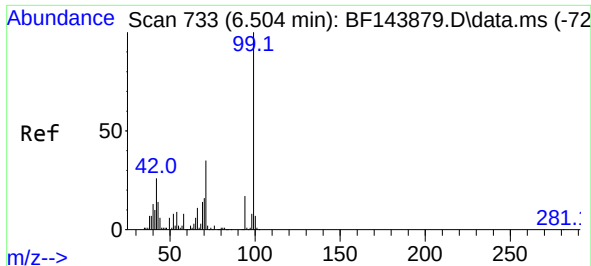


#5
2-Fluorophenol
Concen: 77.971 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54



Tgt Ion:112 Resp: 558429
Ion Ratio Lower Upper
112 100
64 62.5 49.1 73.7
63 29.7 24.5 36.7

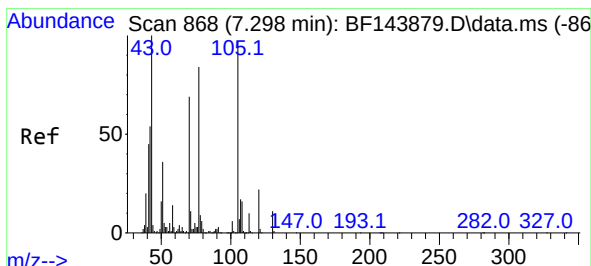
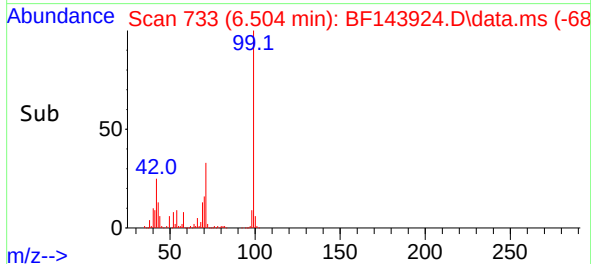
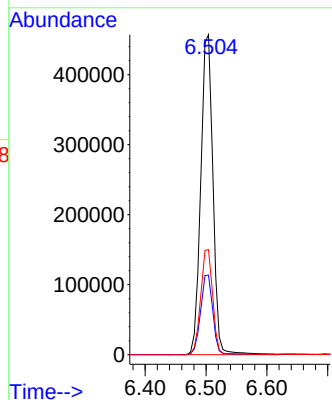
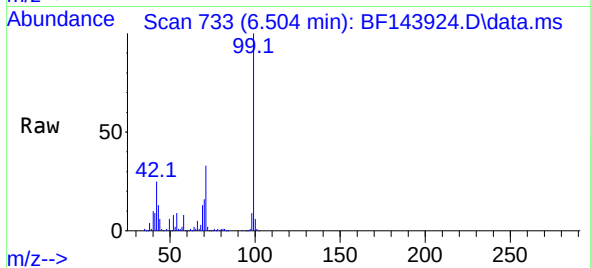




#7
Phenol-d6
Concen: 74.663 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

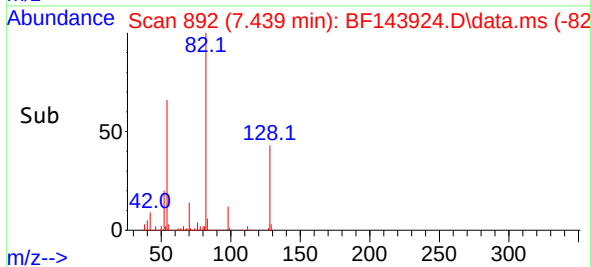
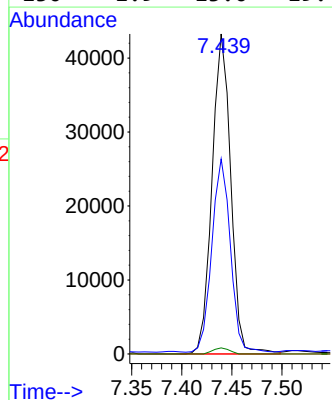
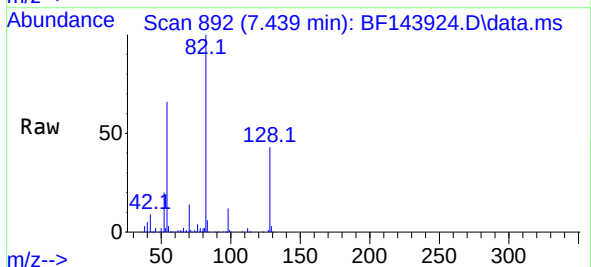
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

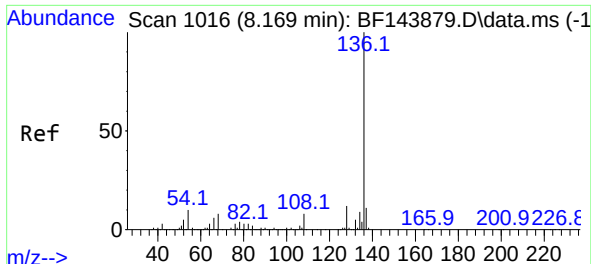
Tgt Ion: 99 Resp: 637384
Ion Ratio Lower Upper
99 100
42 24.9 21.0 31.4
71 32.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.627 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.123 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion: 70 Resp: 56257
Ion Ratio Lower Upper
70 100
42 61.0 62.8 94.2#
101 0.0 6.7 10.1#
130 1.9 13.0 19.4#



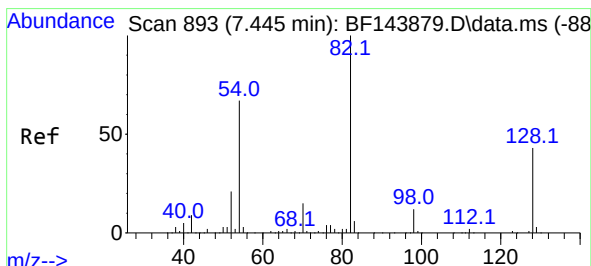
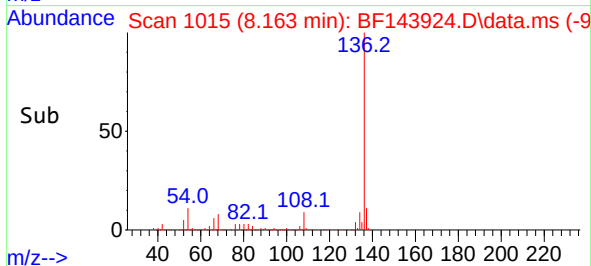
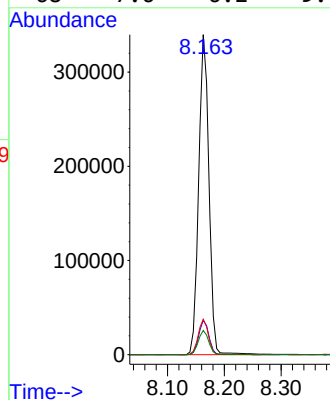
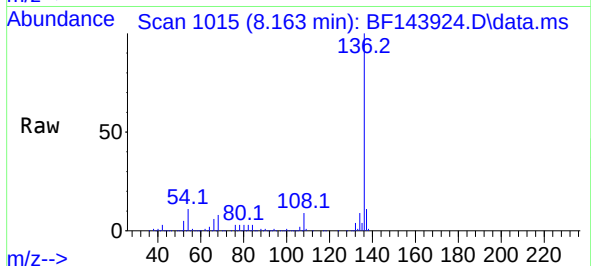


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

Tgt Ion:136 Resp: 428776

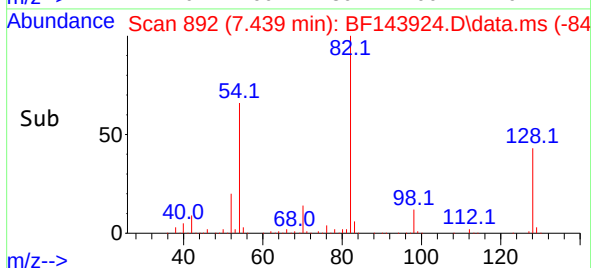
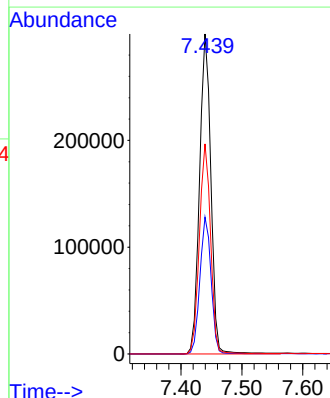
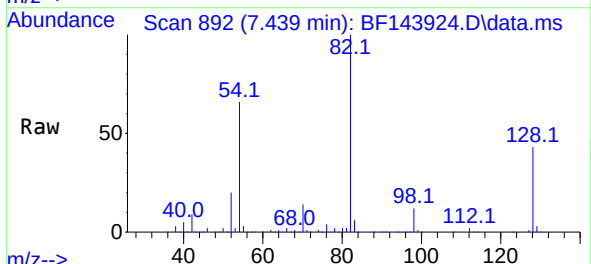
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.1	8.2	12.4
68	7.6	6.2	9.4

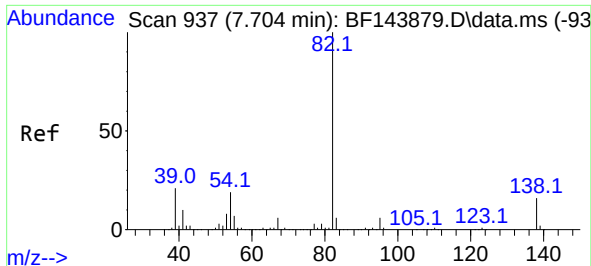


#23
Nitrobenzene-d5
Concen: 55.104 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion: 82 Resp: 388896

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	65.7	53.2	79.8

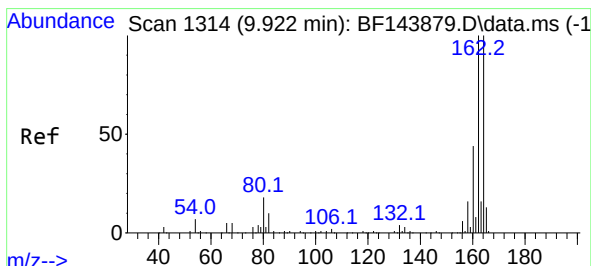
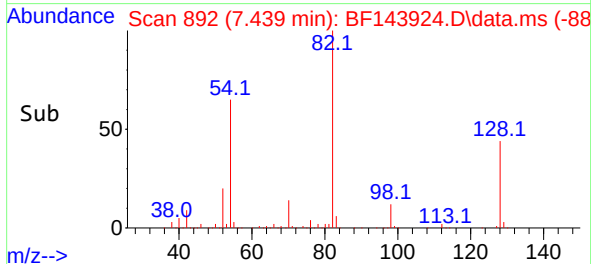
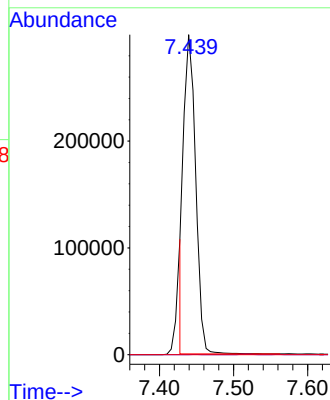
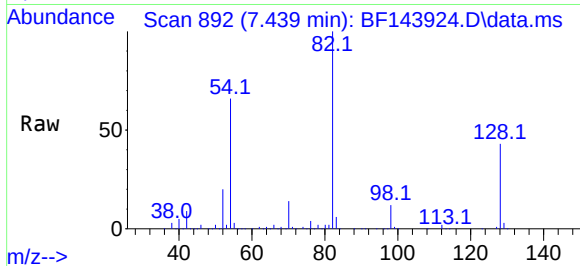




#25
Isophorone
Concen: 22.289 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

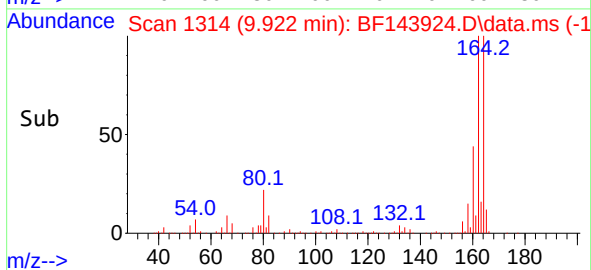
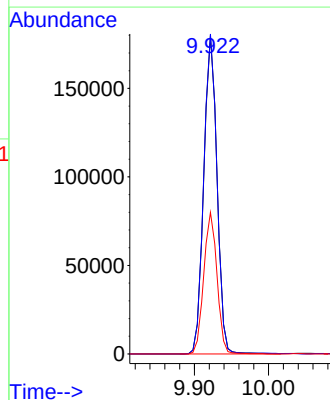
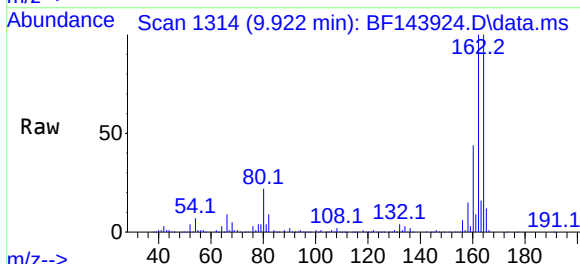
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

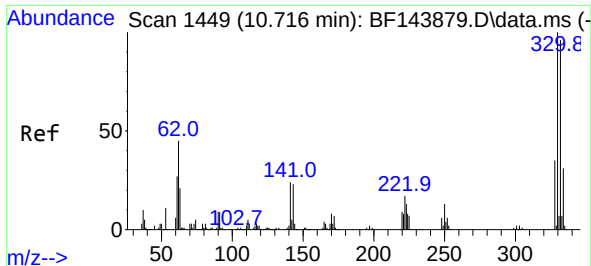
Tgt Ion: 82 Resp: 331681
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

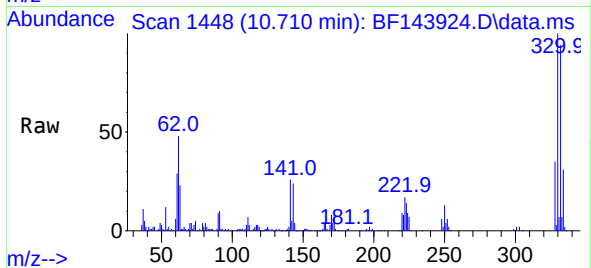
Tgt Ion:164 Resp: 223841
Ion Ratio Lower Upper
164 100
162 100.5 80.2 120.2
160 44.4 35.4 53.0



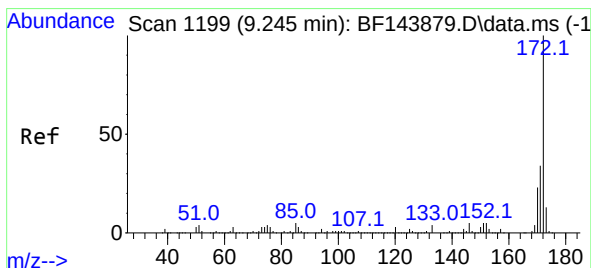
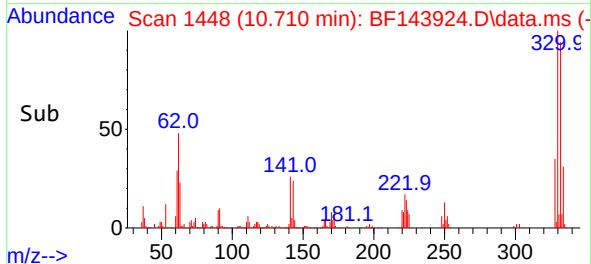
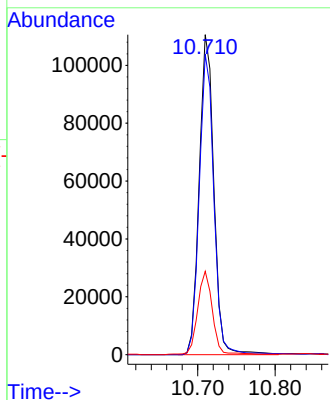


#42
2,4,6-Tribromophenol
Concen: 64.998 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

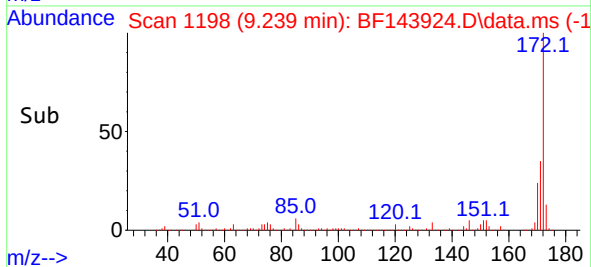
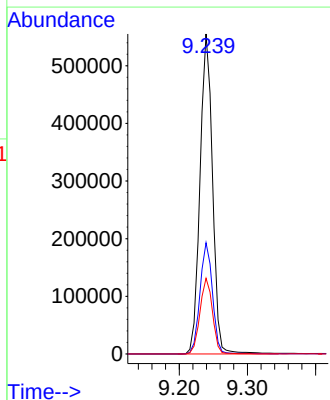
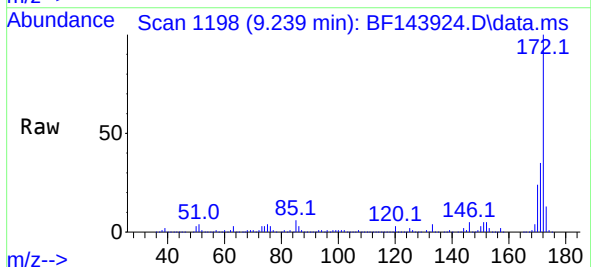


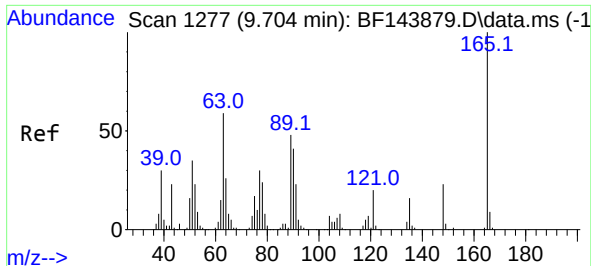
Tgt Ion:330 Resp: 144914
Ion Ratio Lower Upper
330 100
332 94.0 76.9 115.3
141 26.5 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 50.395 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:172 Resp: 710914
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.0
170 23.6 18.6 28.0

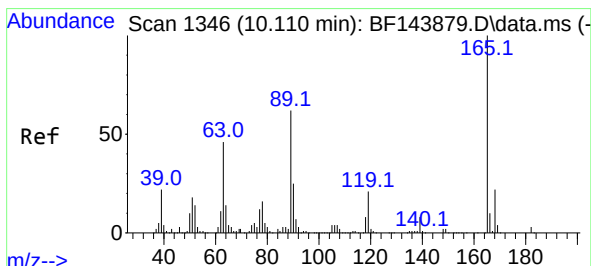
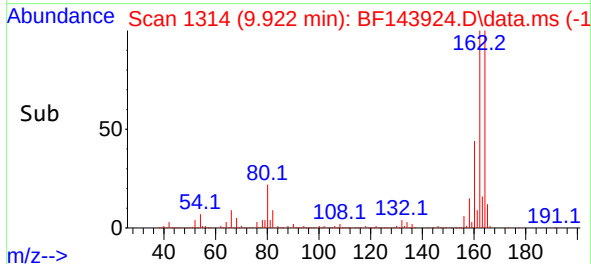
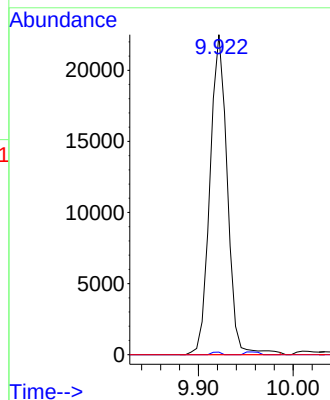
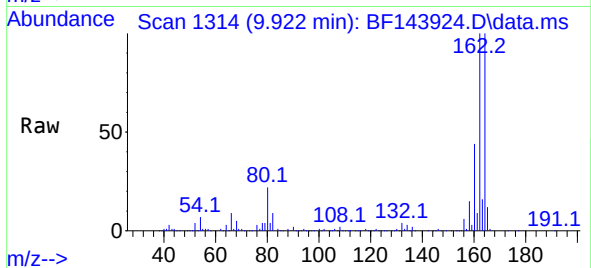




#51
2,6-Dinitrotoluene
Concen: 10.852 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

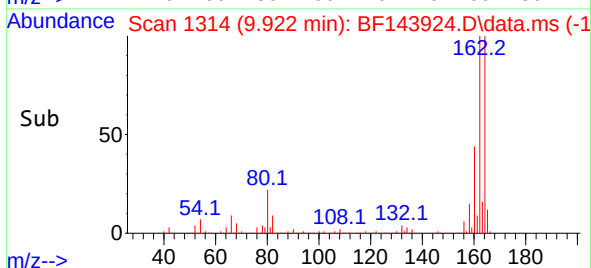
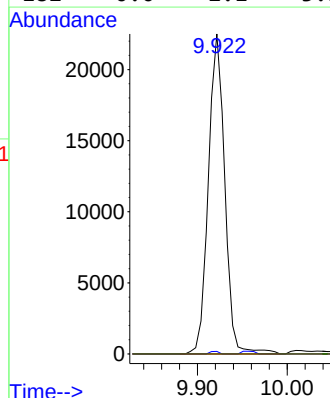
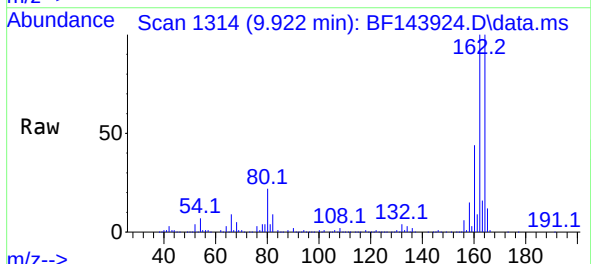
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BNA_F
ClientSampleId :
SS-01-2-3

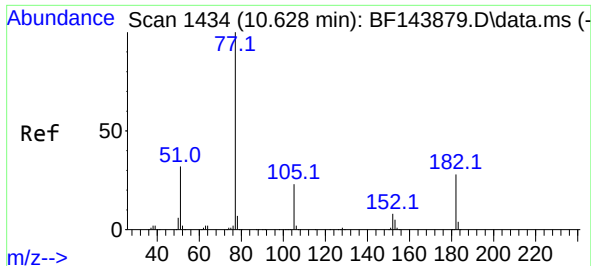
Tgt Ion:165 Resp: 28604
Ion Ratio Lower Upper
165 100
63 0.8 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.976 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:165 Resp: 28604
Ion Ratio Lower Upper
165 100
63 0.8 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#



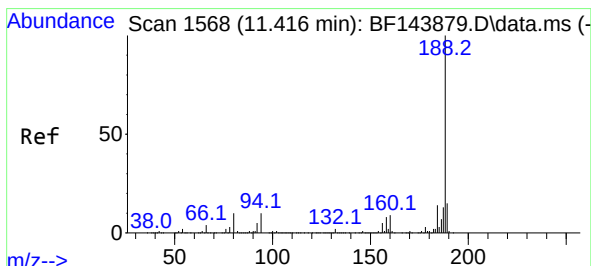
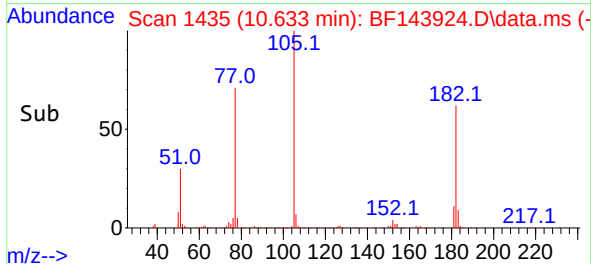
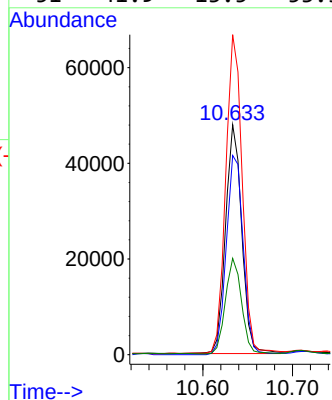
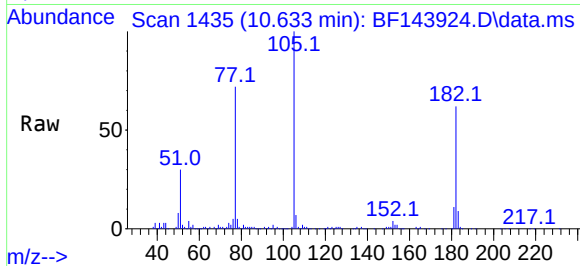


#63
Azobenzene
Concen: 4.349 ng
RT: 10.633 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

Tgt Ion: 77 Resp: 60030

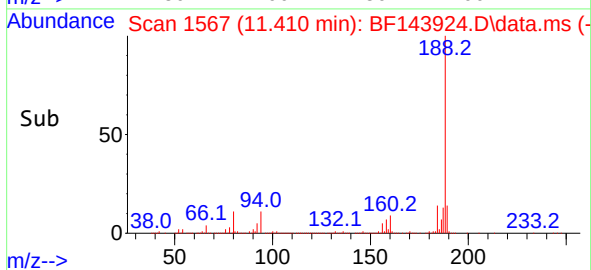
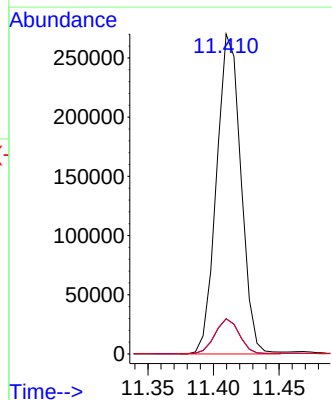
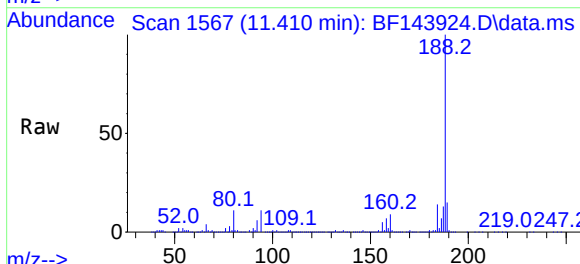
Ion	Ratio	Lower	Upper
77	100		
182	86.6	7.3	47.3#
105	139.2	3.0	43.0#
51	41.9	13.5	53.5

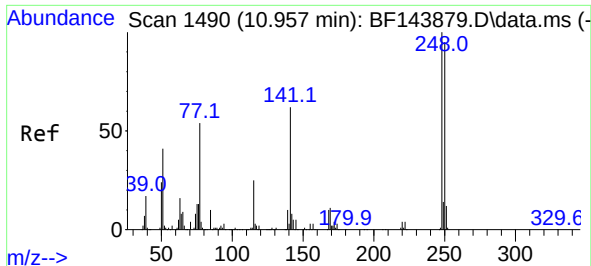


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion: 188 Resp: 349222

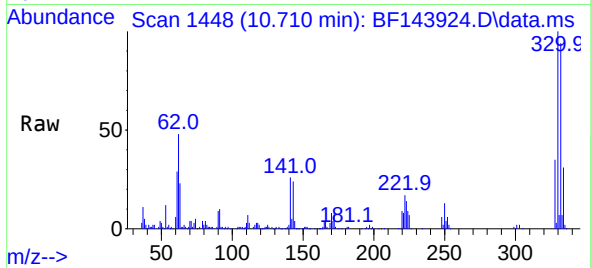
Ion	Ratio	Lower	Upper
188	100		
94	11.0	7.8	11.6
80	11.0	7.9	11.9



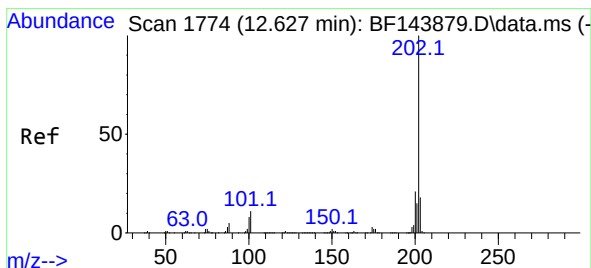
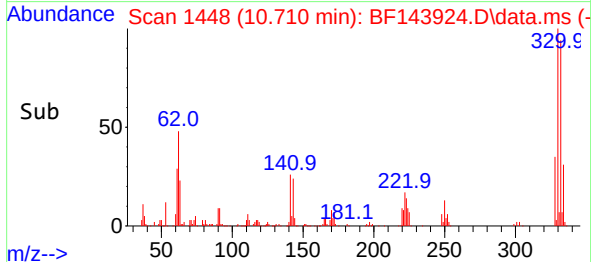
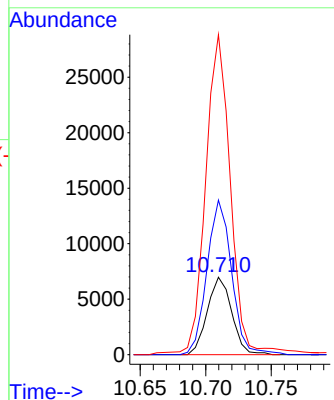


#67
4-Bromophenyl-phenylether
Concen: 2.351 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

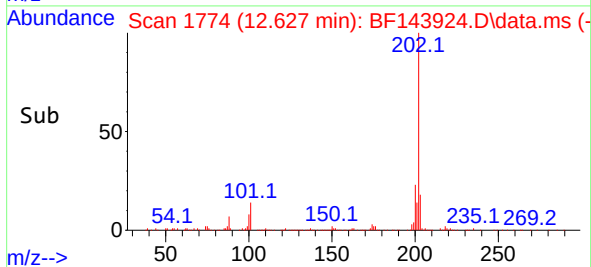
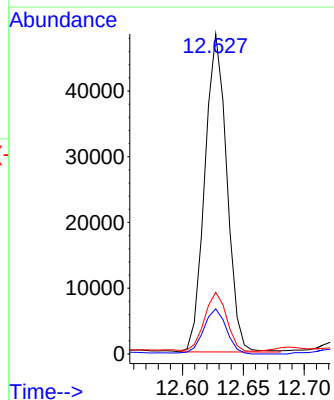
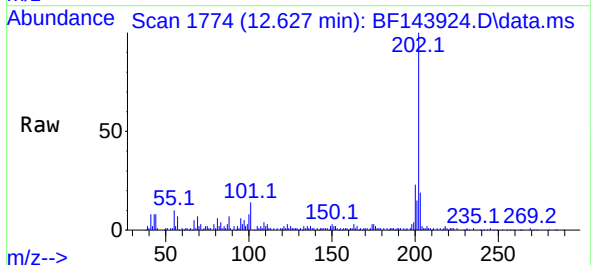


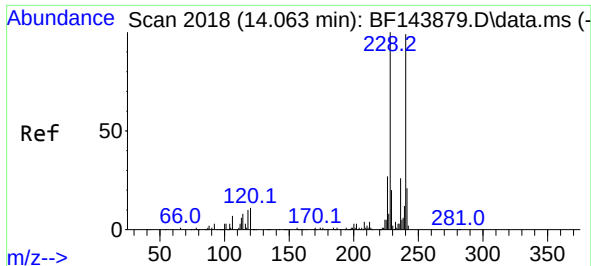
Tgt Ion:248 Resp: 9074
Ion Ratio Lower Upper
248 100
250 199.6 76.3 114.5#
141 413.2 49.7 74.5#



#75
Fluoranthene
Concen: 3.479 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:202 Resp: 60839
Ion Ratio Lower Upper
202 100
101 14.1 0.0 30.7
203 19.2 0.0 37.8

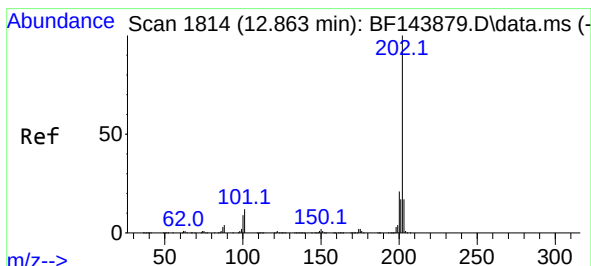
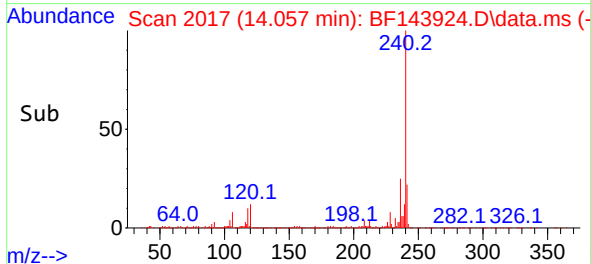
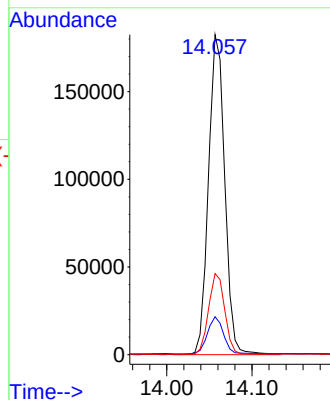
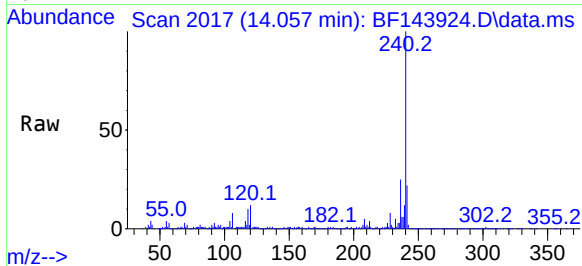




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

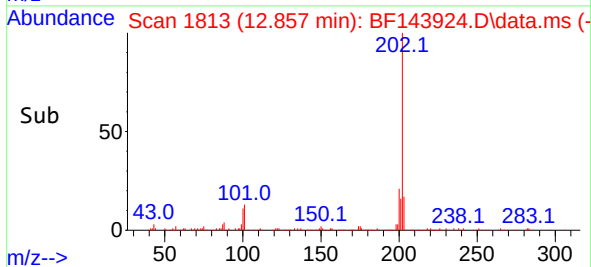
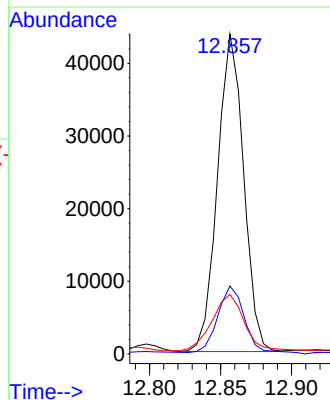
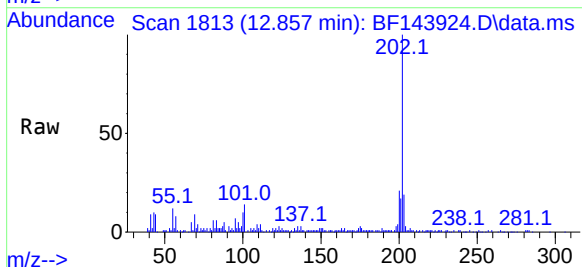
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

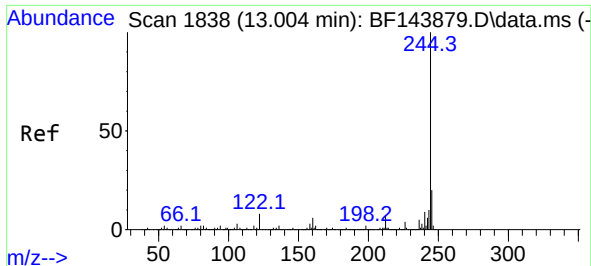
Tgt Ion:240 Resp: 243012
Ion Ratio Lower Upper
240 100
120 11.9 8.6 13.0
236 25.3 21.1 31.7



#78
Pyrene
Concen: 2.756 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:202 Resp: 55834
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 18.6 13.8 20.6

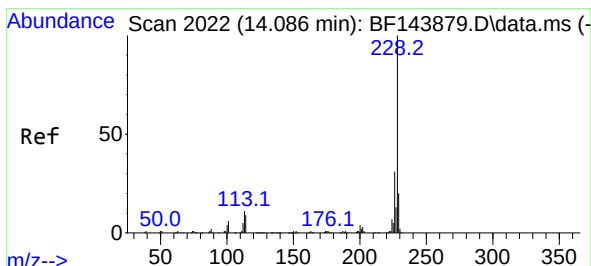
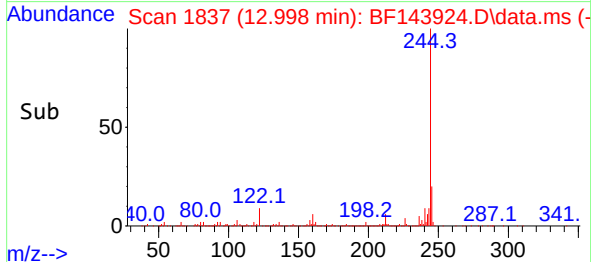
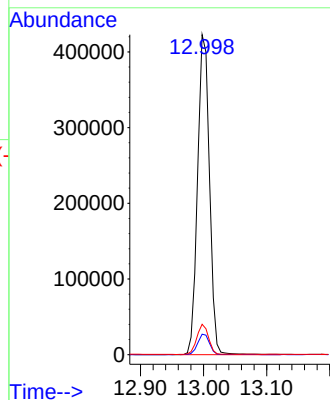
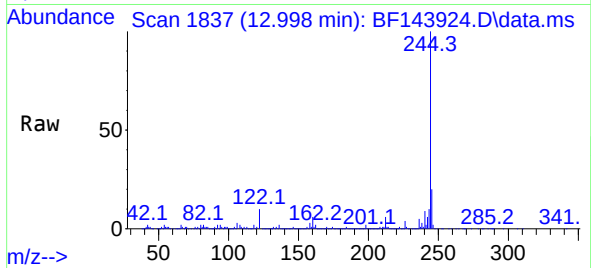




#79
 Terphenyl-d14
 Concen: 38.888 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143924.D
 Acq: 10 Oct 2025 14:54

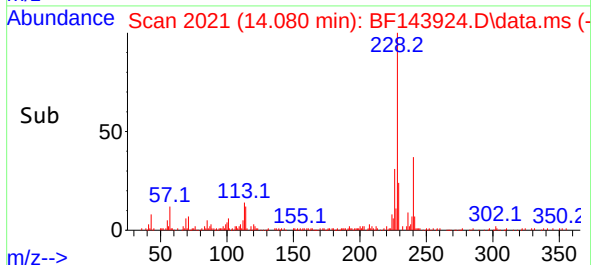
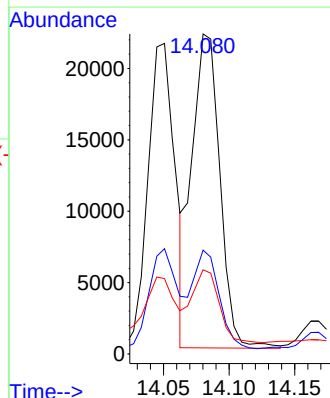
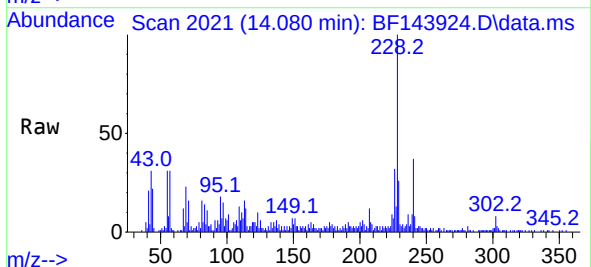
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-2-3

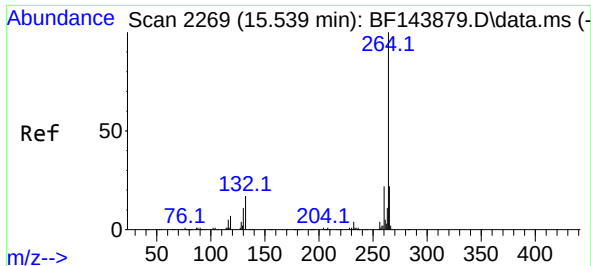
Tgt Ion:244 Resp: 552949
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.5 6.4 9.6



#83
 Chrysene
 Concen: 2.217 ng
 RT: 14.080 min Scan# 2021
 Delta R.T. -0.012 min
 Lab File: BF143924.D
 Acq: 10 Oct 2025 14:54

Tgt Ion:228 Resp: 32635
 Ion Ratio Lower Upper
 228 100
 226 32.5 24.4 36.6
 229 26.3 15.9 23.9#

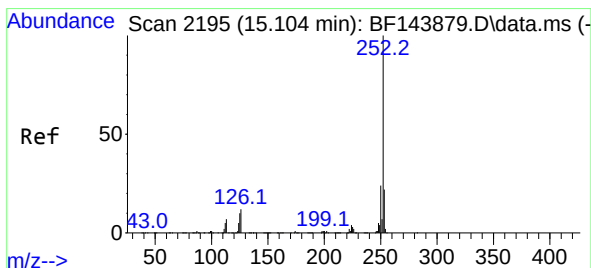
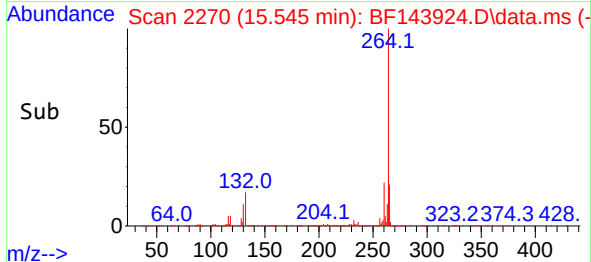
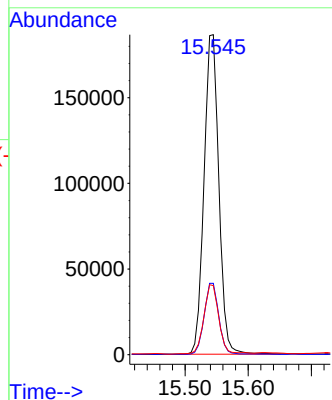
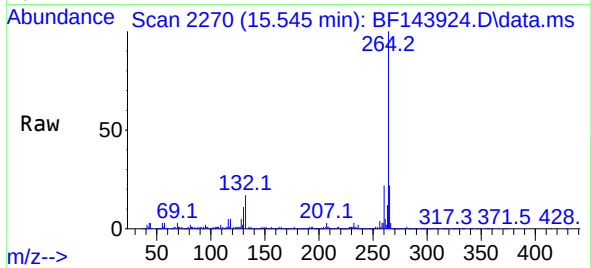




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2196
 Delta R.T. -0.000 min
 Lab File: BF143924.D
 Acq: 10 Oct 2025 14:54

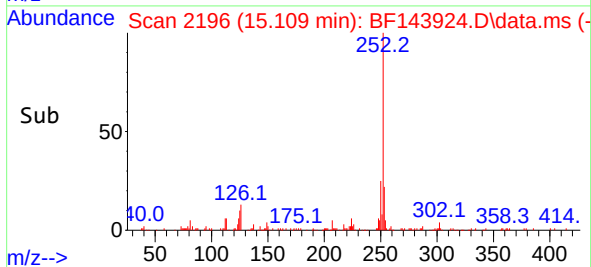
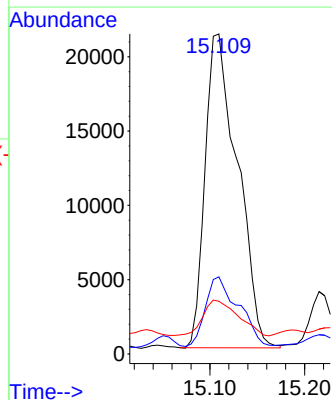
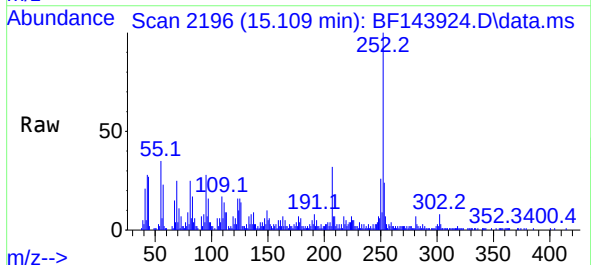
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-2-3

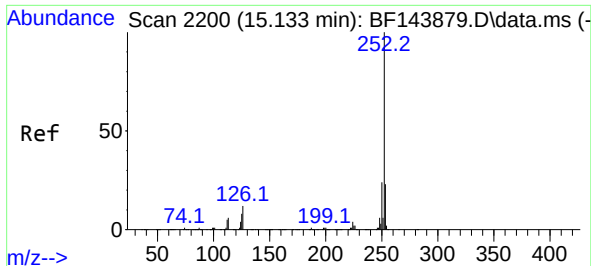
Tgt Ion:264 Resp: 304396
 Ion Ratio Lower Upper
 264 100
 260 22.3 17.8 26.8
 265 21.6 17.5 26.3



#88
 Benzo(b)fluoranthene
 Concen: 2.872 ng
 RT: 15.109 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BF143924.D
 Acq: 10 Oct 2025 14:54

Tgt Ion:252 Resp: 50220
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.4 26.2
 125 16.5 7.8 11.6#





#89

Benzo(k)fluoranthene

Concen: 3.104 ng

RT: 15.109 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143924.D

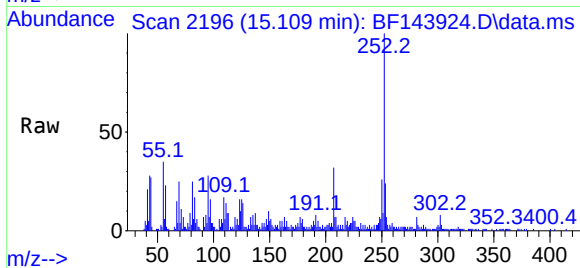
Acq: 10 Oct 2025 14:54

Instrument :

BNA_F

ClientSampleId :

SS-01-2-3



Tgt Ion:252 Resp: 50220

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 16.5 7.4 11.2#

