

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142123.D
 Acq On : 27 Mar 2025 13:38
 Operator : RC/JU
 Sample : Q1644-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 031925

Quant Time: Mar 27 14:32:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

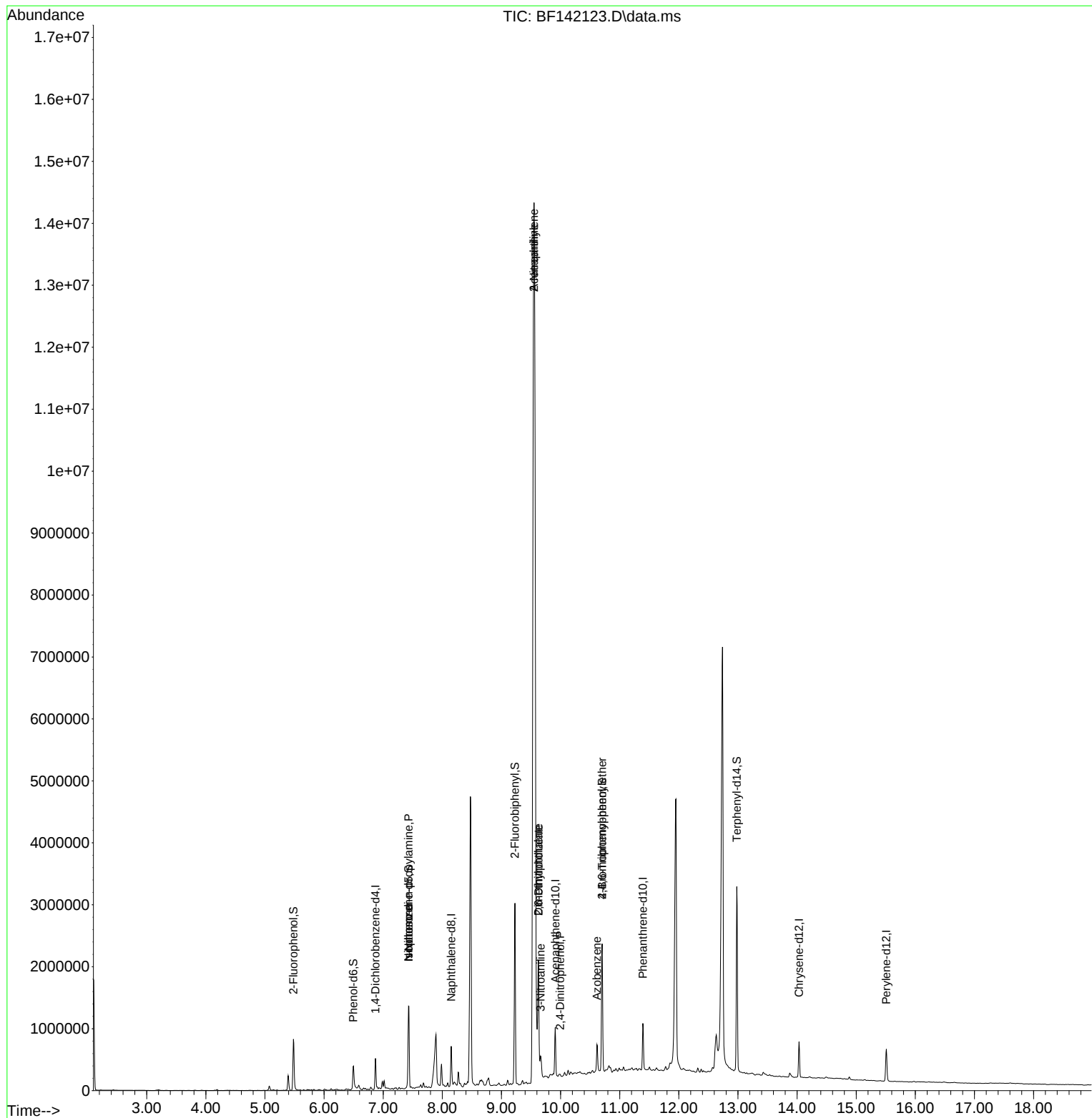
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	102139	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	403830	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	221204	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	383959	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	283839	20.000	ng	0.00
86) Perylene-d12	15.509	264	321000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	362774	59.278	ng	-0.01
7) Phenol-d6	6.492	99	225682	28.963	ng	-0.01
23) Nitrobenzene-d5	7.428	82	625558	87.175	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	400745	142.804	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1258560	86.528	ng	-0.01
79) Terphenyl-d14	12.980	244	1473850	76.770	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	82025	16.383	ng	# 78
25) Isophorone	7.428	82	614524	48.447	ng	# 64
48) 2-Nitroaniline	9.551	65	87324	24.075	ng	# 1
49) Acenaphthylene	9.551	152	660417	35.525	ng	# 73
50) Dimethylphthalate	9.628	163	997672	64.406	ng	100
51) 2,6-Dinitrotoluene	9.628	165	10417	3.230	ng	# 15
53) 3-Nitroaniline	9.663	138	314125	96.016	ng	# 1
54) 2,4-Dinitrophenol	9.992	184	334	6.741	ng	# 1
63) Azobenzene	10.616	77	100067	6.968	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	24503	5.081	ng	# 1

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

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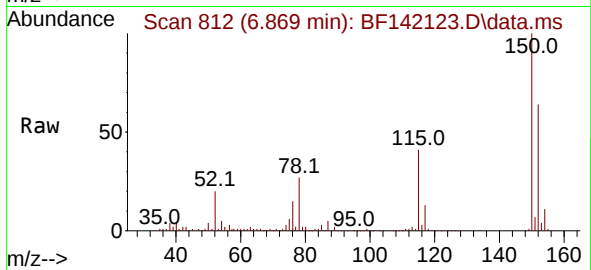
Quant Time: Mar 27 14:32:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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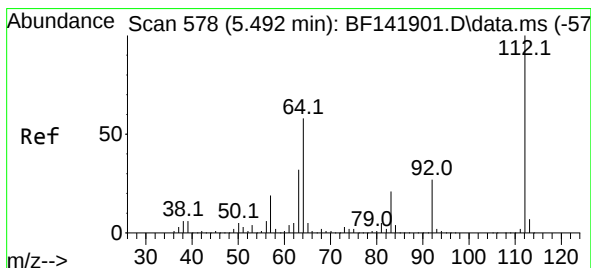
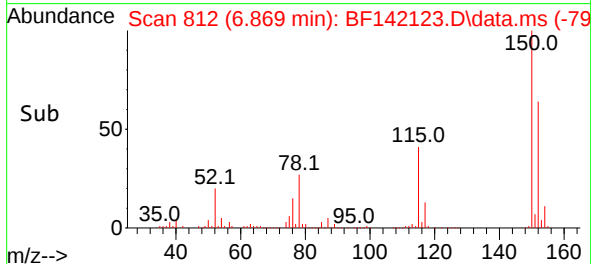
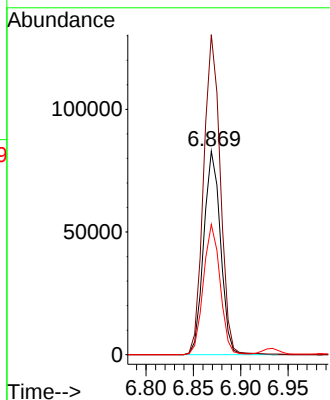


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Instrument :
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031925

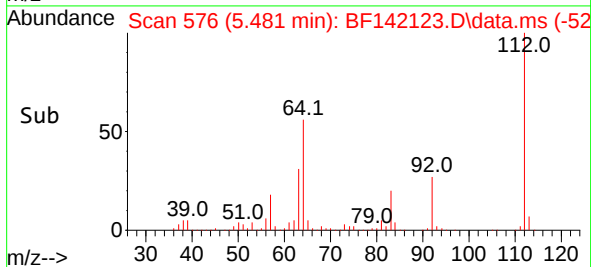
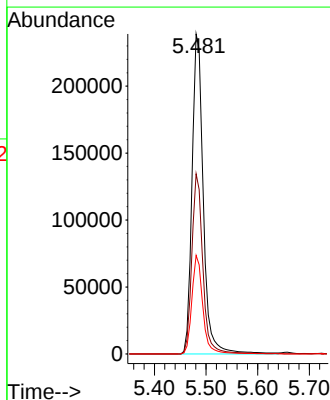
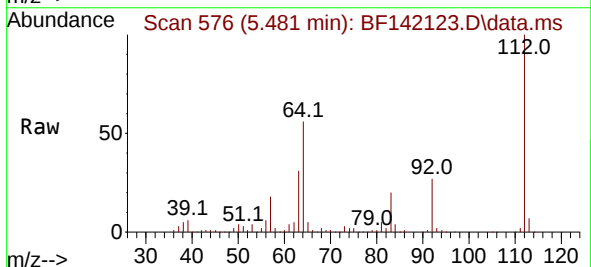


Tgt Ion:152 Resp: 102139
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.2
115 64.0 51.9 77.9



#5
2-Fluorophenol
Concen: 59.278 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion:112 Resp: 362774
Ion Ratio Lower Upper
112 100
64 56.3 46.5 69.7
63 30.8 25.4 38.2

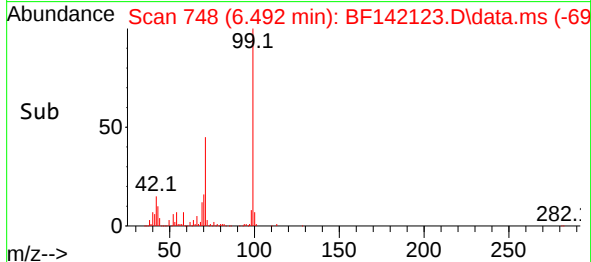
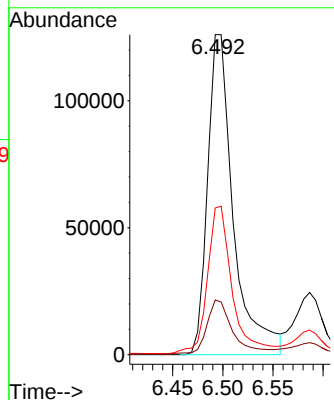
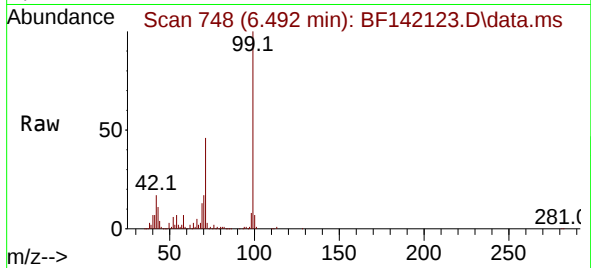




#7
Phenol-d6
Concen: 28.963 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

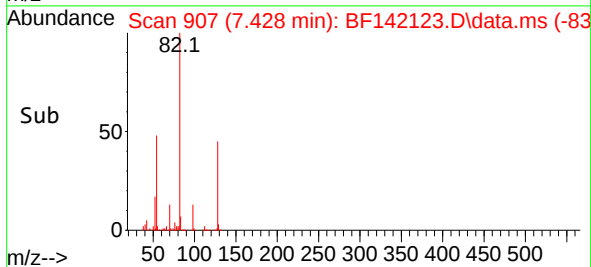
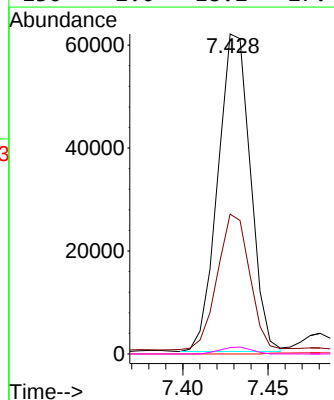
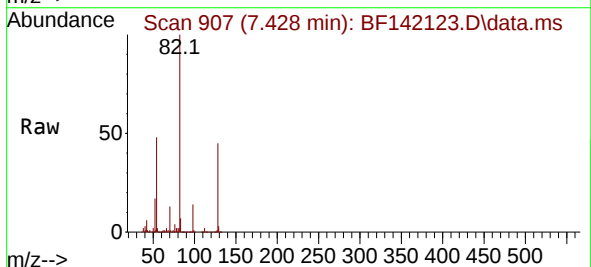
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Tgt Ion: 99 Resp: 225682
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 45.8 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.383 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion: 70 Resp: 82025
Ion Ratio Lower Upper
70 100
42 43.7 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



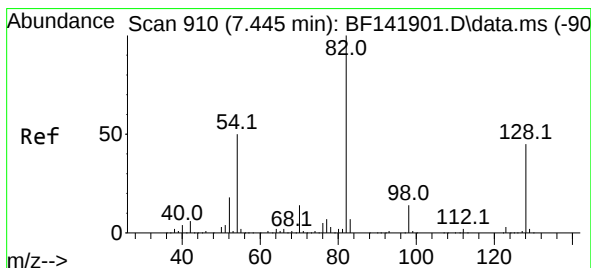
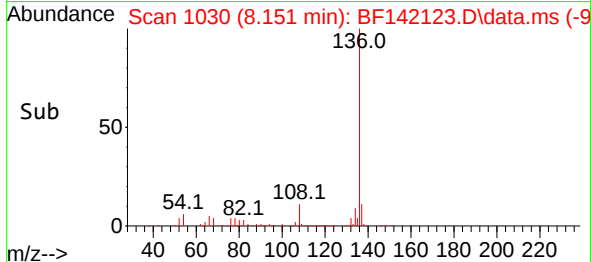
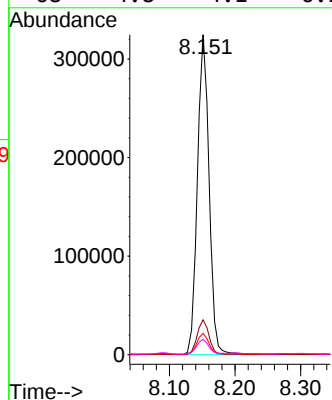
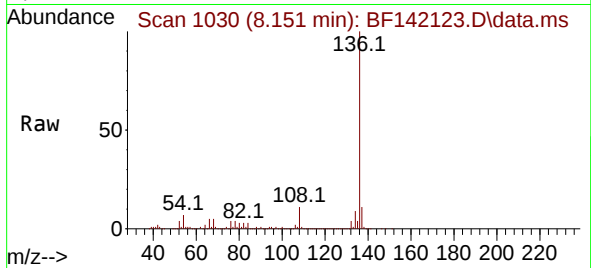


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Instrument :
BNA_F
ClientSampleId :
031925

Tgt Ion:136 Resp: 403830

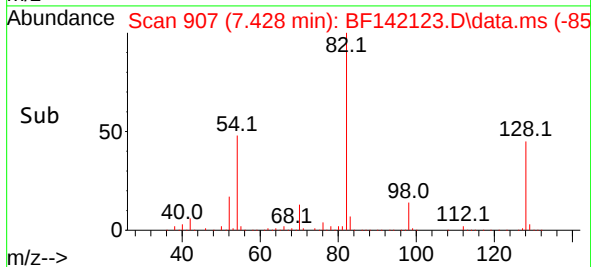
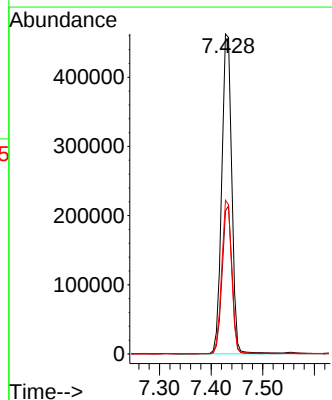
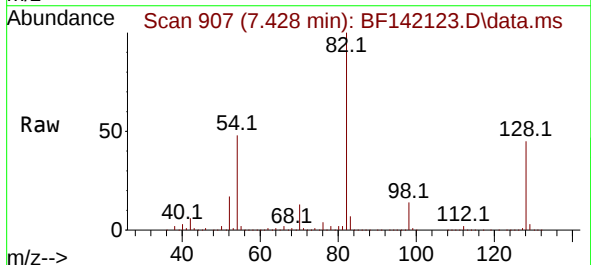
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	5.8	8.8
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 87.175 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion: 82 Resp: 625558

Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.0	54.0
54	48.1	39.6	59.4

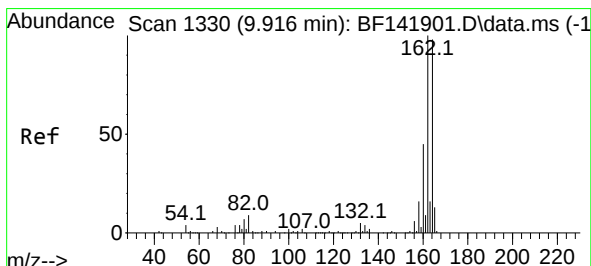
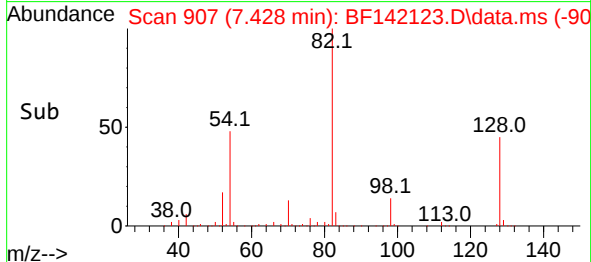
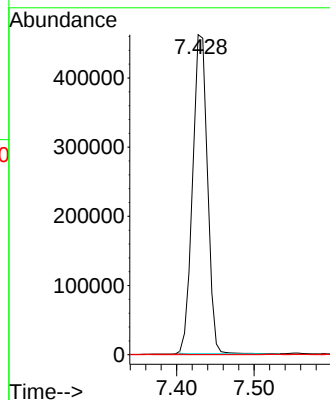
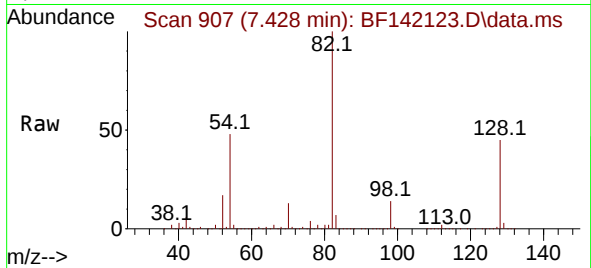




#25
Isophorone
Concen: 48.447 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

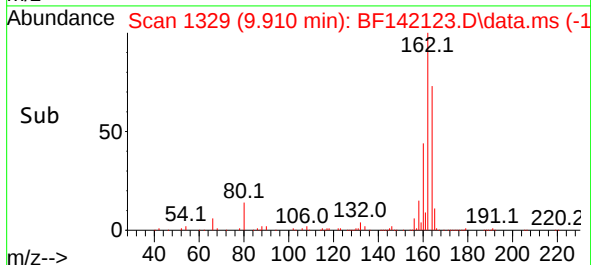
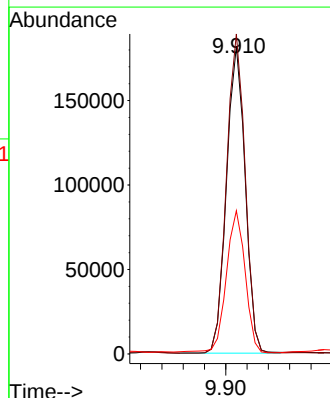
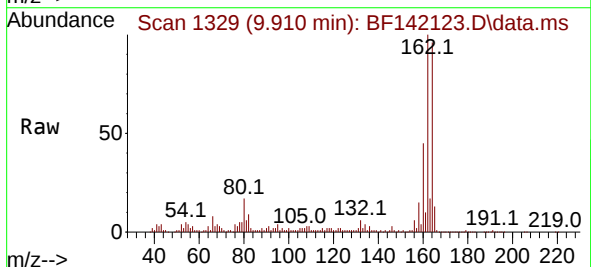
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ClientSampleId :
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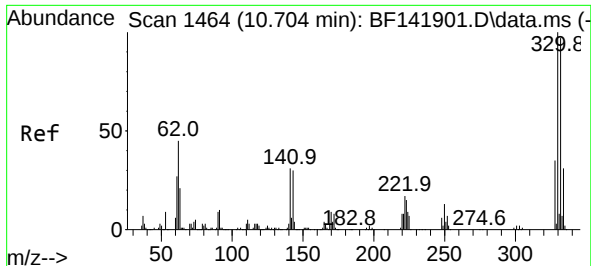
Tgt Ion: 82 Resp: 614524
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion:164 Resp: 221204
Ion Ratio Lower Upper
164 100
162 104.0 81.8 122.6
160 46.5 36.7 55.1

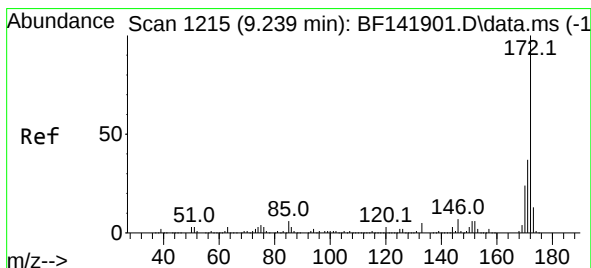
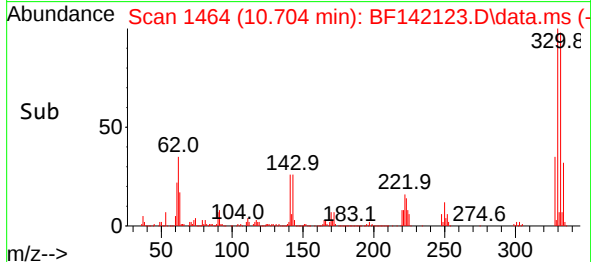
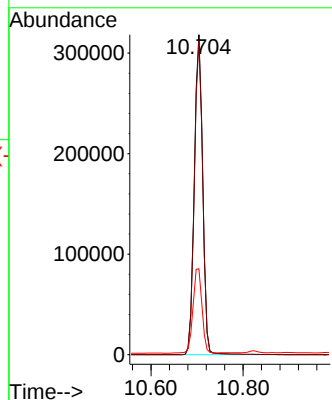
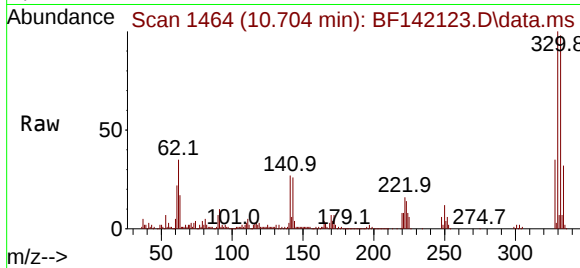




#42
2,4,6-Tribromophenol
Concen: 142.804 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

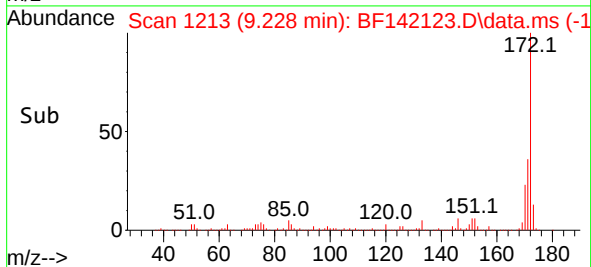
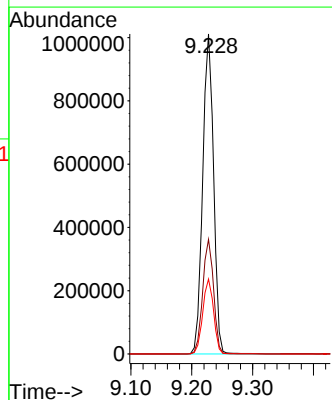
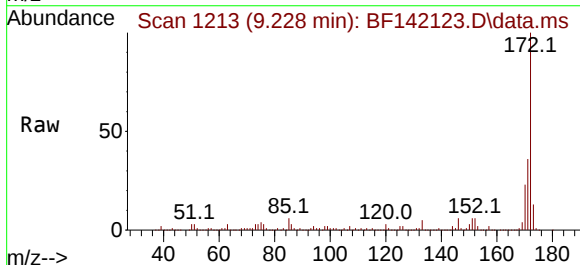
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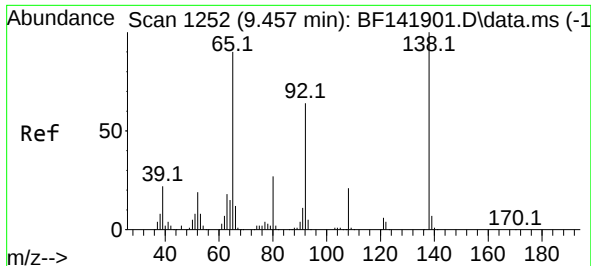
Tgt Ion: 330 Resp: 400745
Ion Ratio Lower Upper
330 100
332 97.9 77.6 116.4
141 28.2 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 86.528 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion: 172 Resp: 1258560
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 23.4 19.4 29.0

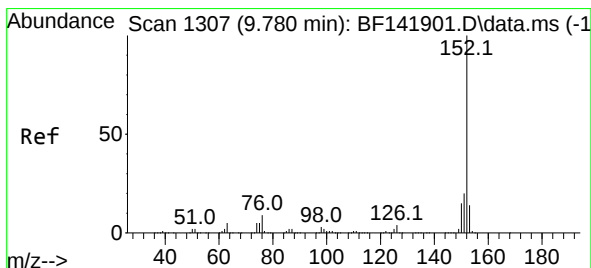
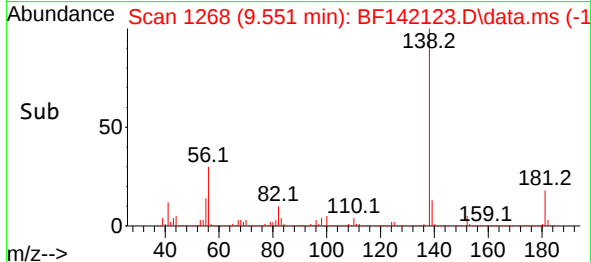
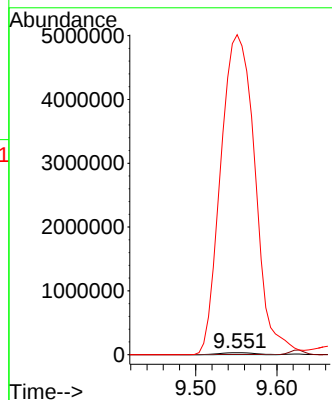
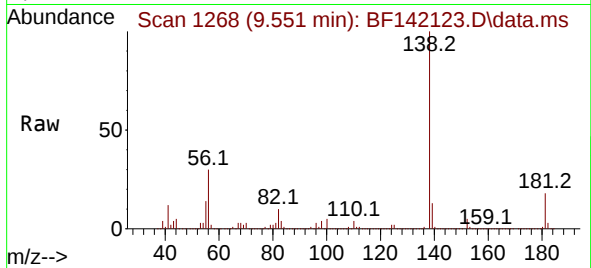




#48
2-Nitroaniline
Concen: 24.075 ng
RT: 9.551 min Scan# 1268
Delta R.T. 0.094 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

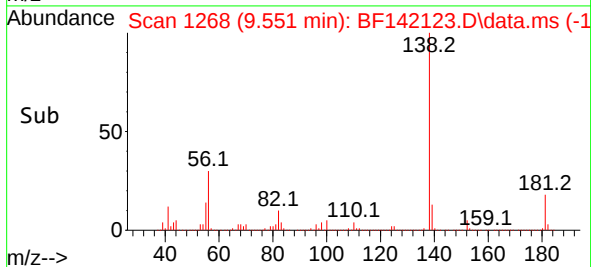
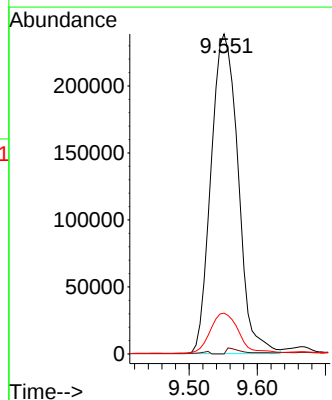
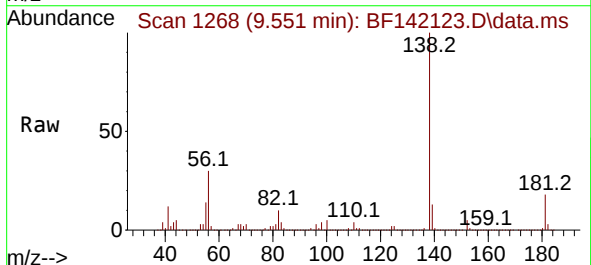
Instrument :
BNA_F
ClientSampleId :
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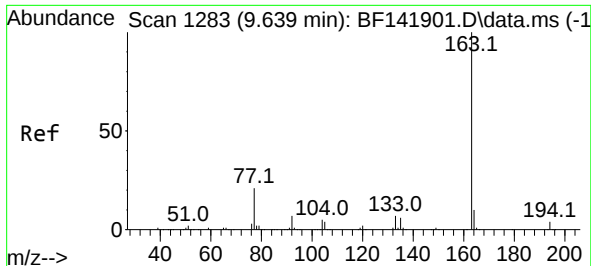
Tgt Ion: 65 Resp: 87324
Ion Ratio Lower Upper
65 100
92 10.6 56.6 84.8#
138 16438.9 88.6 133.0#



#49
Acenaphthylene
Concen: 35.525 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.229 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion: 152 Resp: 660417
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#
153 12.7 11.1 16.7

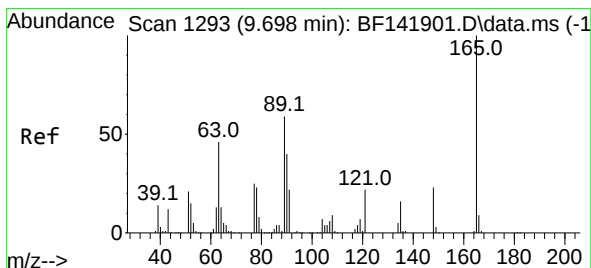
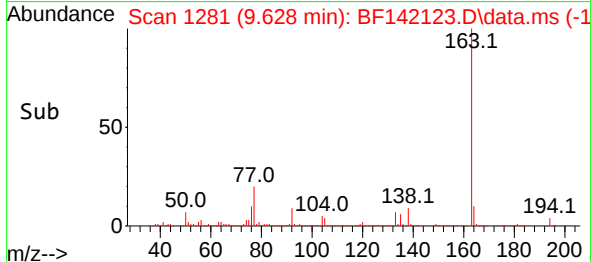
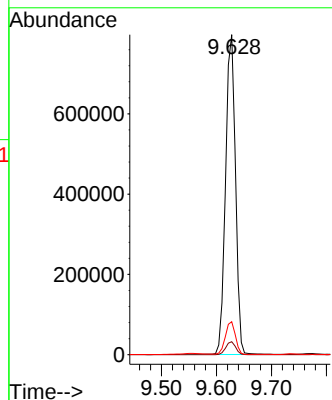
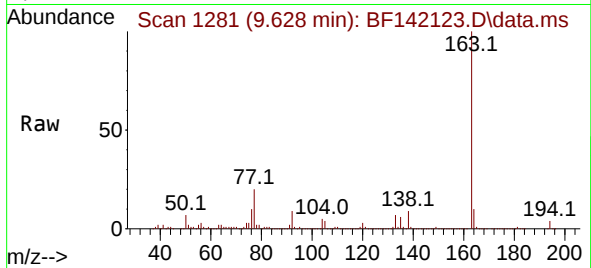




#50
Dimethylphthalate
Concen: 64.406 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

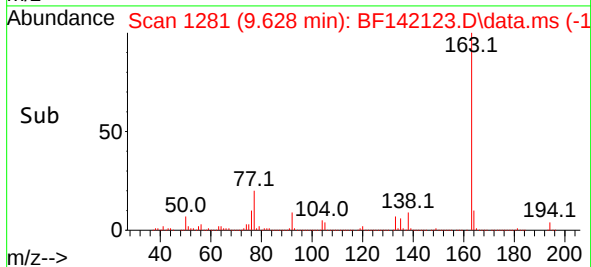
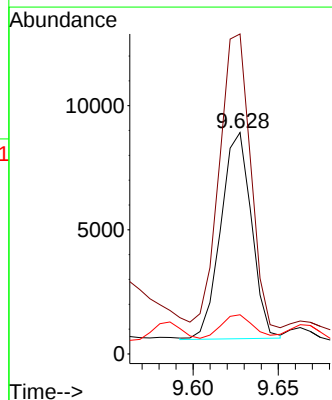
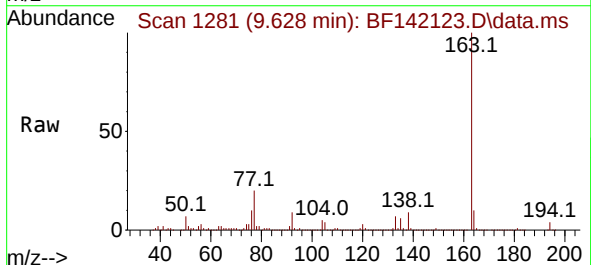
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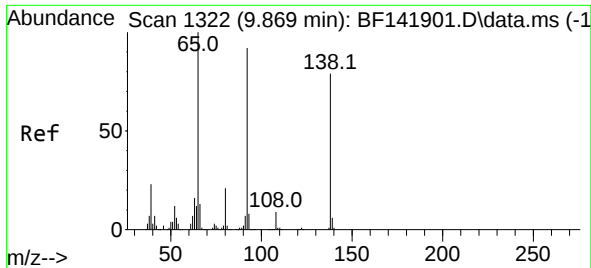
Tgt Ion:163 Resp: 997672
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.3 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 3.230 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.071 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion:165 Resp: 10417
Ion Ratio Lower Upper
165 100
63 144.5 47.0 70.4#
89 17.7 47.4 71.2#

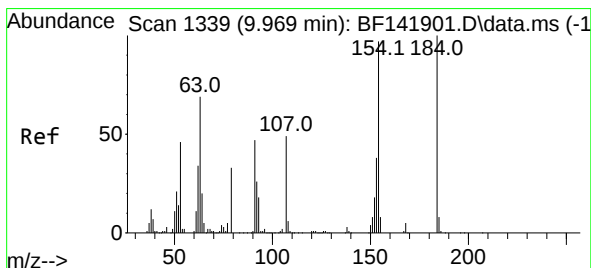
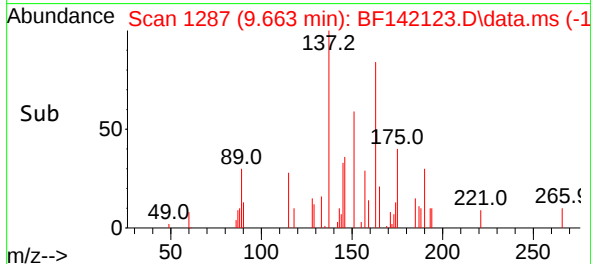
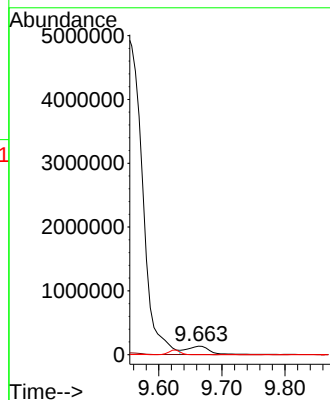
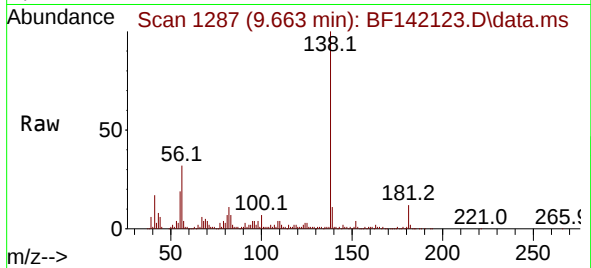




#53
3-Nitroaniline
Concen: 96.016 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

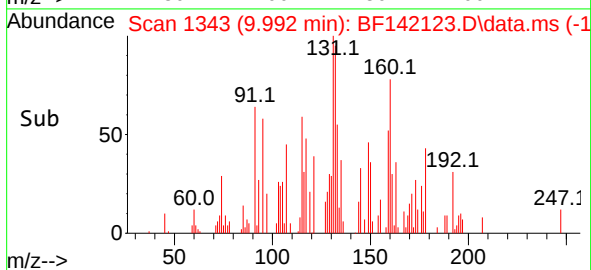
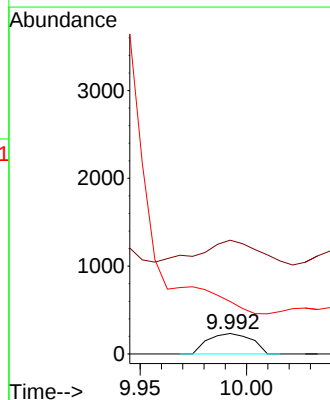
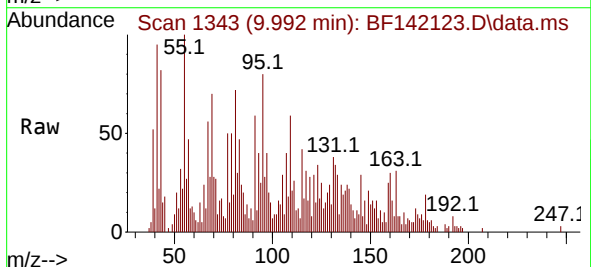
Instrument :
BNA_F
ClientSampleId :
031925

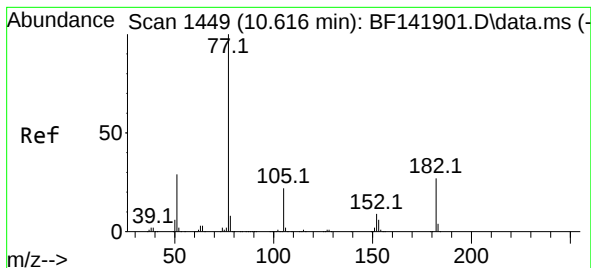
Tgt Ion:138 Resp: 314125
Ion Ratio Lower Upper
138 100
108 1.2 9.3 13.9#
92 0.7 93.5 140.3#



#54
2,4-Dinitrophenol
Concen: 6.741 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.023 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion:184 Resp: 334
Ion Ratio Lower Upper
184 100
63 556.2 60.2 90.4#
154 256.7 132.9 199.3#





#63

Azobenzene

Concen: 6.968 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142123.D

Acq: 27 Mar 2025 13:38

Instrument :

BNA_F

ClientSampleId :

031925

Tgt Ion: 77 Resp: 100067

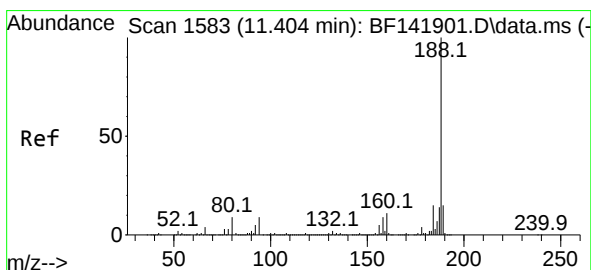
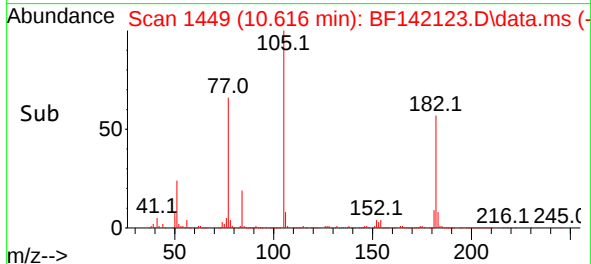
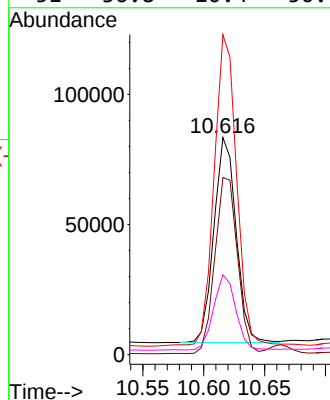
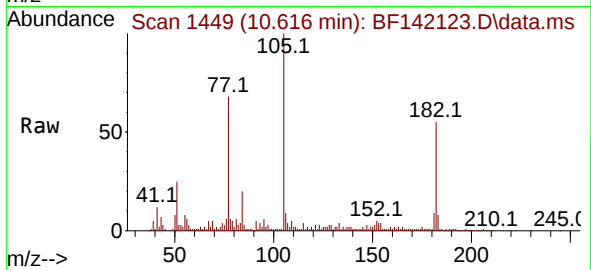
Ion Ratio Lower Upper

77 100

182 81.6 6.6 46.6#

105 147.4 1.3 41.3#

51 36.8 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF142123.D

Acq: 27 Mar 2025 13:38

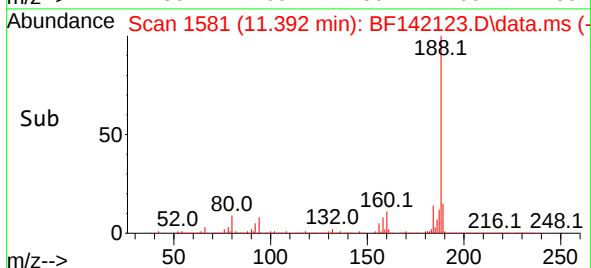
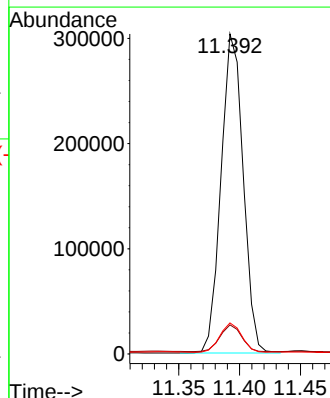
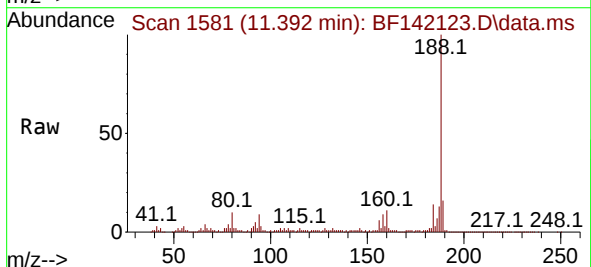
Tgt Ion: 188 Resp: 383959

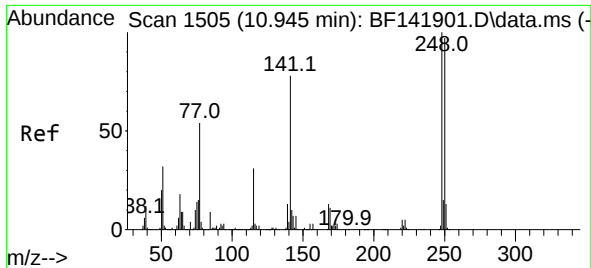
Ion Ratio Lower Upper

188 100

94 9.1 6.8 10.2

80 9.7 7.6 11.4

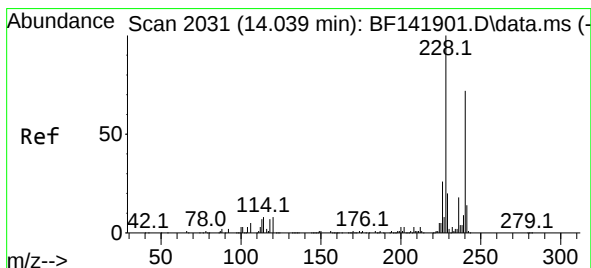
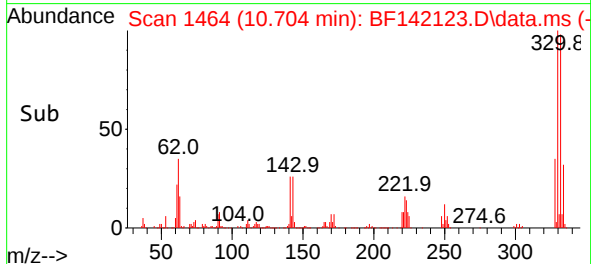
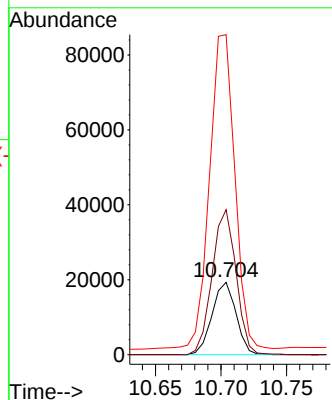
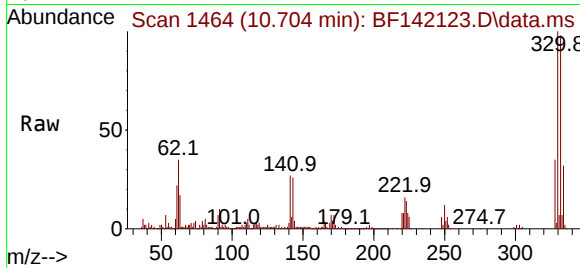




#67
4-Bromophenyl-phenylether
Concen: 5.081 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

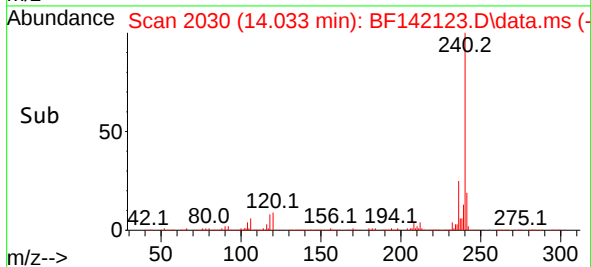
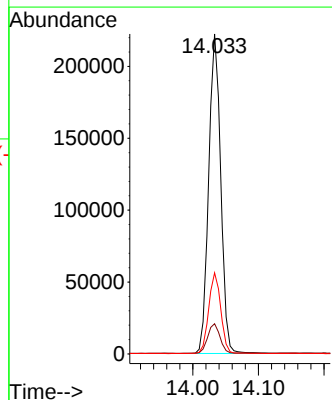
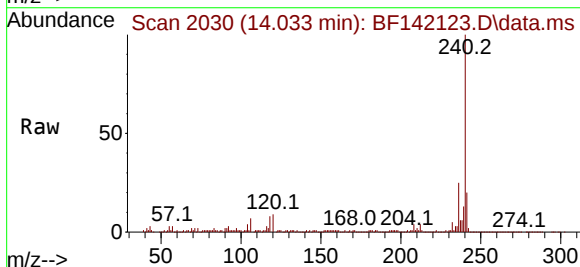
Instrument :
BNA_F
ClientSampleId :
031925

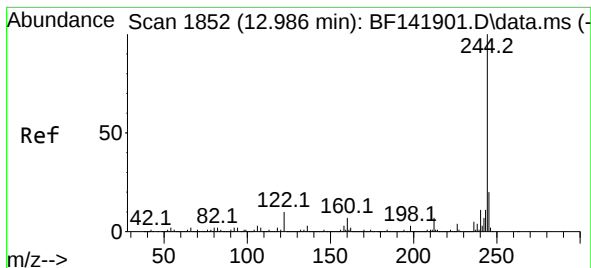
Tgt Ion:248 Resp: 24503
Ion Ratio Lower Upper
248 100
250 200.5 77.8 116.8#
141 442.3 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142123.D
Acq: 27 Mar 2025 13:38

Tgt Ion:240 Resp: 283839
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 25.4 20.5 30.7





#79

Terphenyl-d14

Concen: 76.770 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142123.D

Acq: 27 Mar 2025 13:38

Instrument :

BNA_F

ClientSampleId :

031925

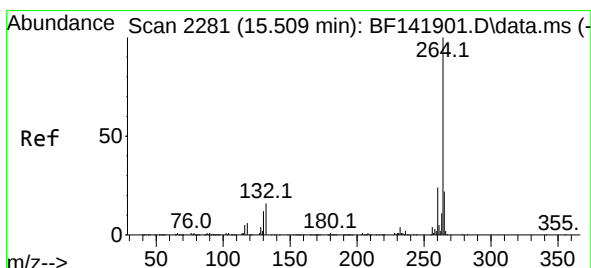
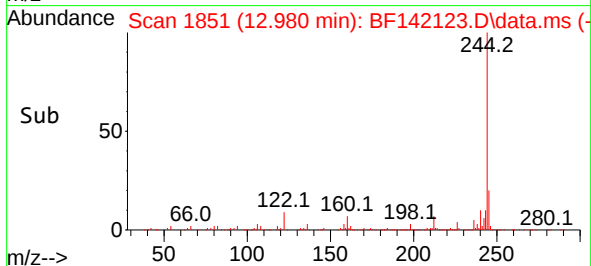
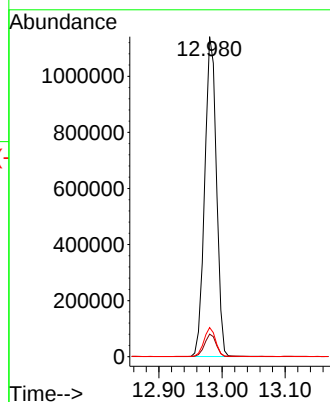
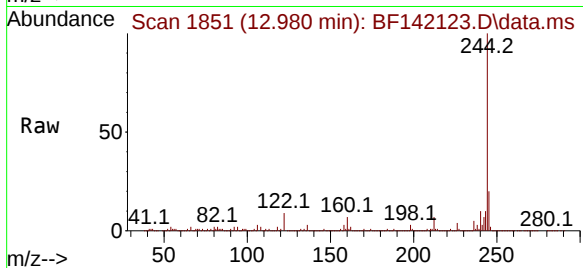
Tgt Ion:244 Resp: 1473850

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.1 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142123.D

Acq: 27 Mar 2025 13:38

Tgt Ion:264 Resp: 321000

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.2 17.5 26.3

