

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142024.D
 Acq On : 21 Mar 2025 11:55
 Operator : RC/JU
 Sample : PB167228BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167228BL

Quant Time: Mar 21 12:18:34 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)

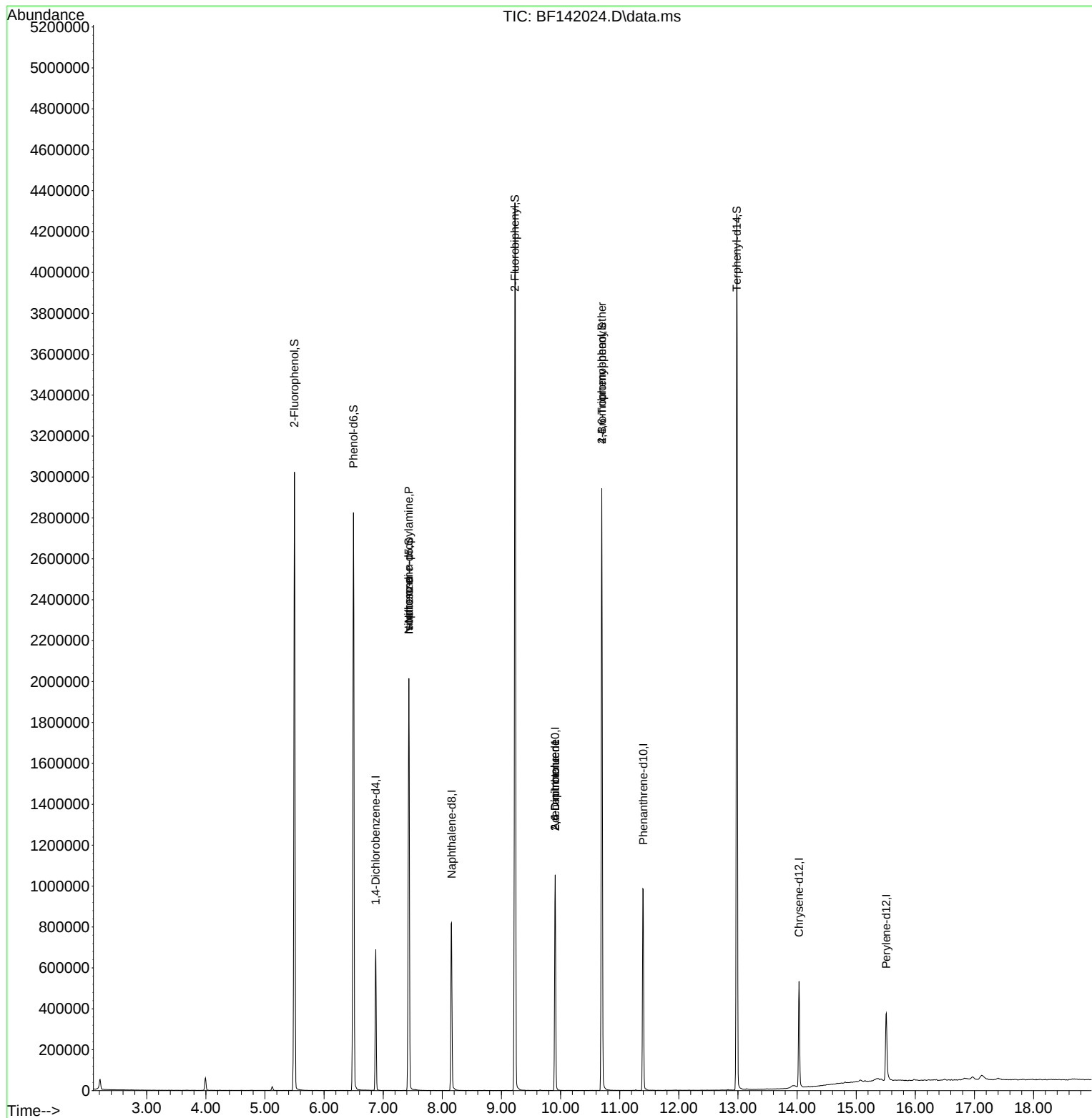
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	146184	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	573821	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	319817	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	544660	20.000	ng	0.00
76) Chrysene-d12	14.033	240	267808	20.000	ng	0.00
86) Perylene-d12	15.510	264	231658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1194299	136.351	ng	0.00
7) Phenol-d6	6.498	99	1446850	129.738	ng	0.00
23) Nitrobenzene-d5	7.434	82	966413	94.778	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	561009	138.271	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1998834	95.050	ng	-0.01
79) Terphenyl-d14	12.980	244	2177002	120.183	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	133845	18.678	ng	# 78
25) Isophorone	7.434	82	940436	52.177	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	42205	9.051	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	42205	6.930	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	34207	5.001	ng	# 1

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

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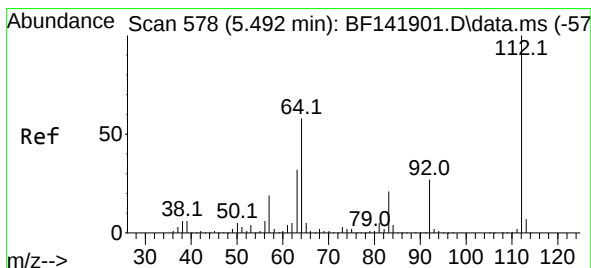
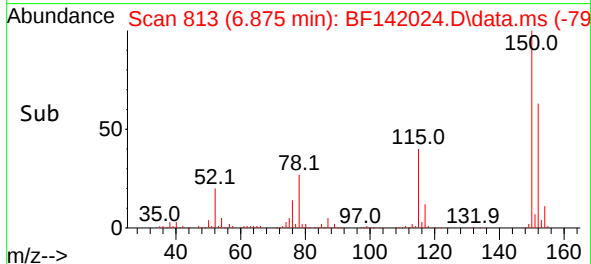
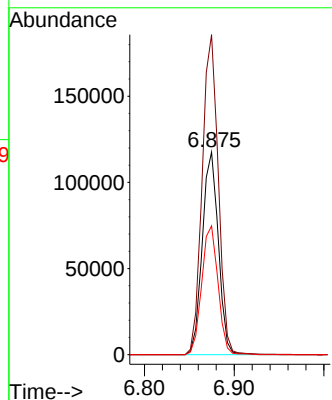
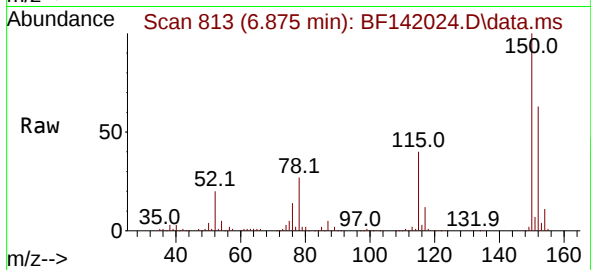




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

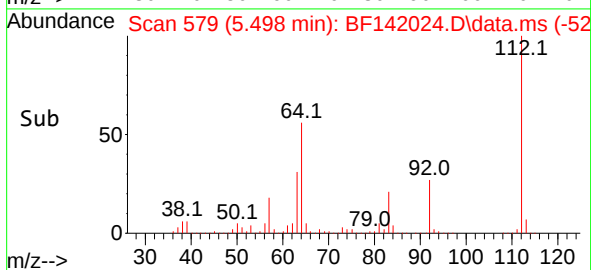
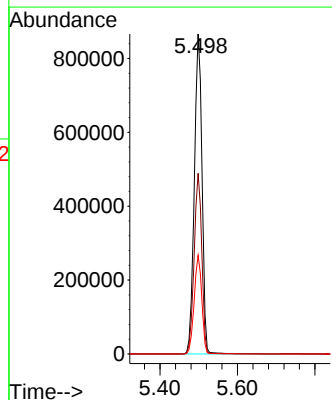
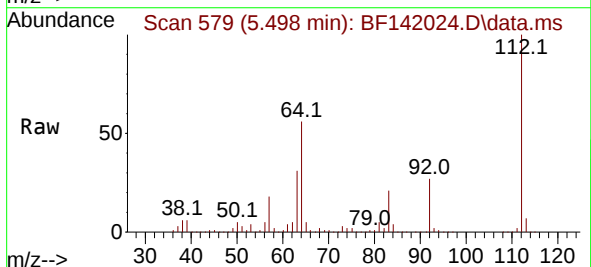
Instrument :
BNA_F
ClientSampleId :
PB167228BL

Tgt Ion:152 Resp: 146184
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 63.6 51.9 77.9



#5
2-Fluorophenol
Concen: 136.351 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

Tgt Ion:112 Resp: 1194299
Ion Ratio Lower Upper
112 100
64 56.5 46.5 69.7
63 30.8 25.4 38.2

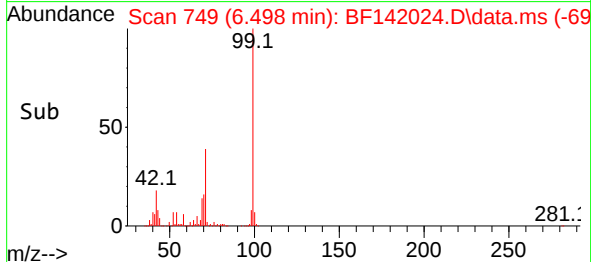
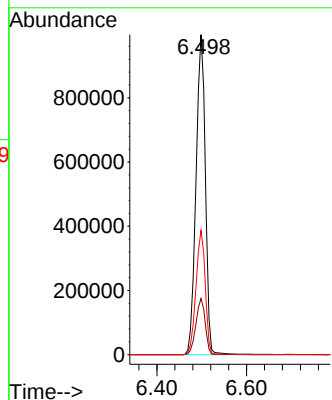
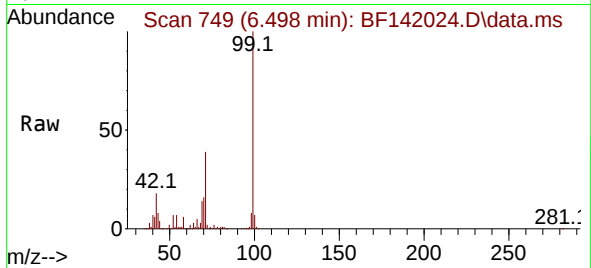




#7
Phenol-d6
Concen: 129.738 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

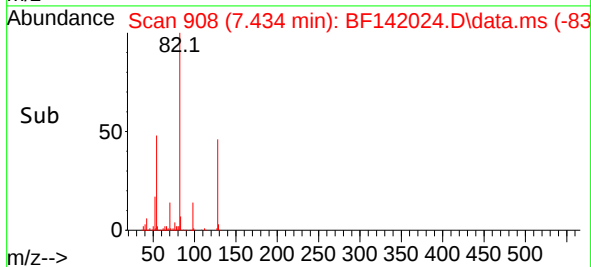
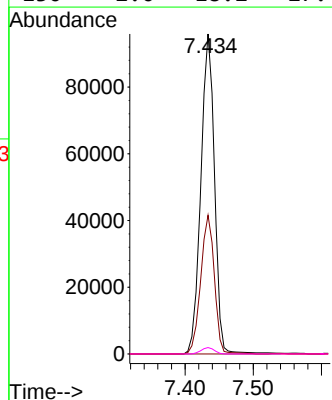
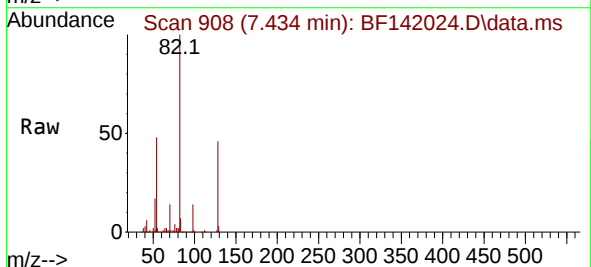
Instrument :
BNA_F
ClientSampleId :
PB167228BL

Tgt Ion: 99 Resp: 1446850
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 38.9 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.678 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

Tgt Ion: 70 Resp: 133845
Ion Ratio Lower Upper
70 100
42 43.4 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: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

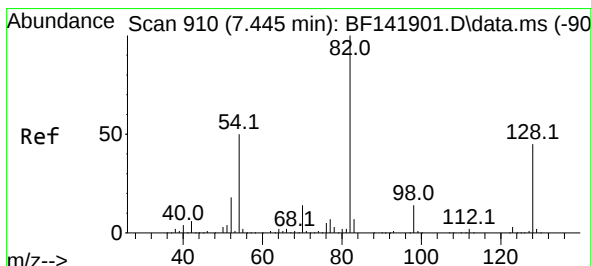
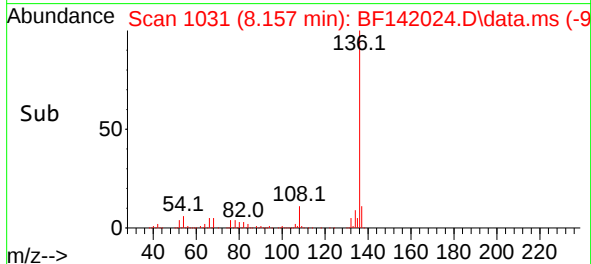
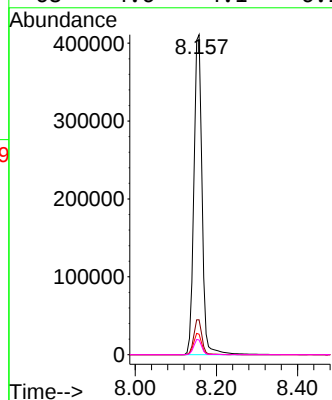
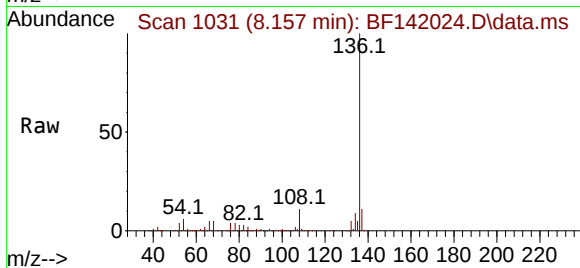
Instrument :

BNA_F

ClientSampleId :

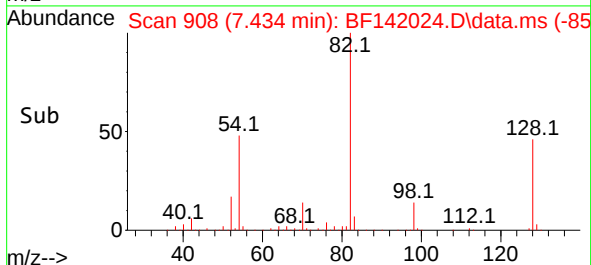
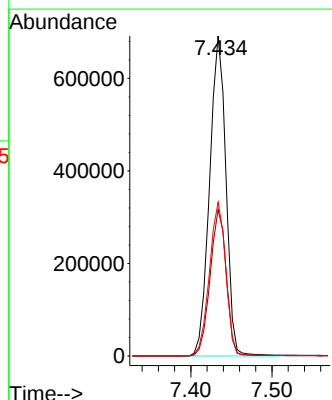
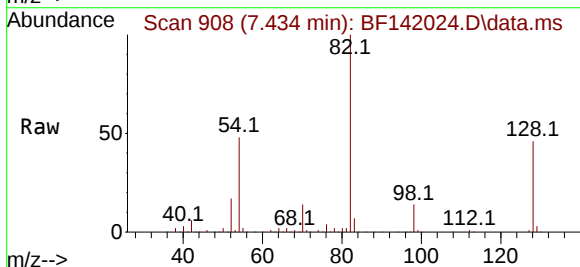
PB167228BL

Tgt Ion:136 Resp: 573821
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.4 5.8 8.8
68 4.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 94.778 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

Tgt Ion: 82 Resp: 966413
Ion Ratio Lower Upper
82 100
128 45.8 36.0 54.0
54 48.1 39.6 59.4

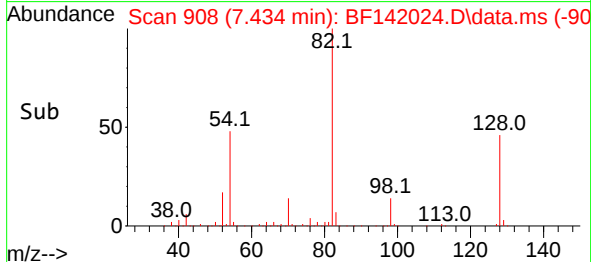
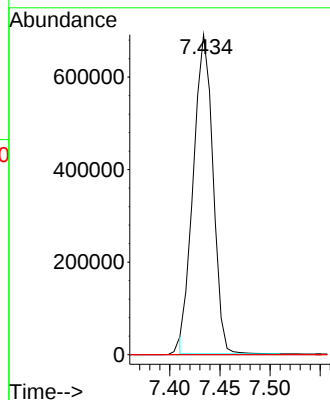
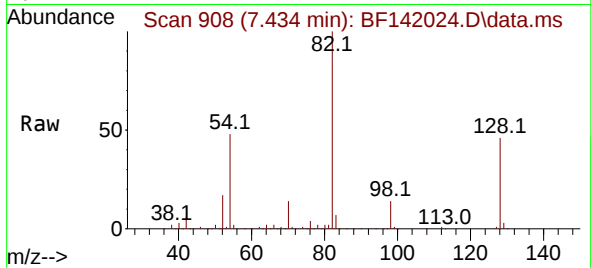




#25
Isophorone
Concen: 52.177 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

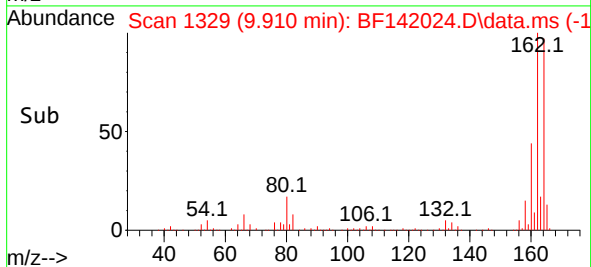
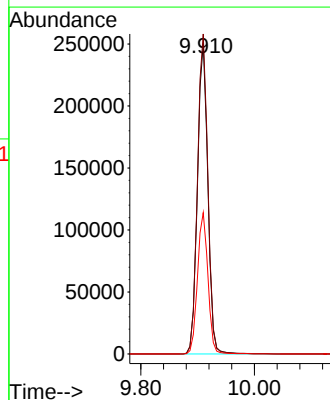
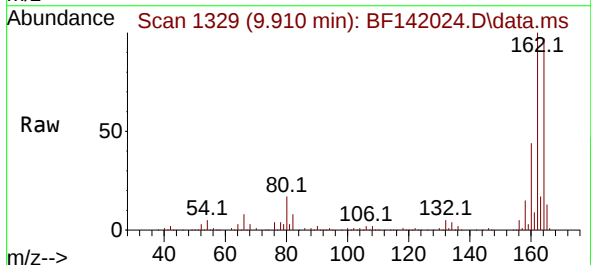
Instrument :
BNA_F
ClientSampleId :
PB167228BL

Tgt Ion: 82 Resp: 940436
Ion Ratio Lower Upper
82 100
95 0.0 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: BF142024.D
Acq: 21 Mar 2025 11:55

Tgt Ion:164 Resp: 319817
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 45.5 36.7 55.1

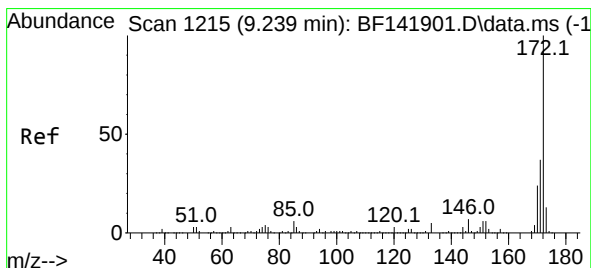
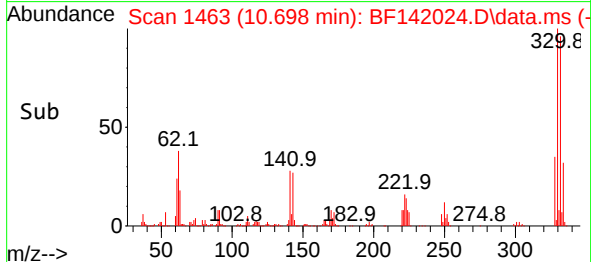
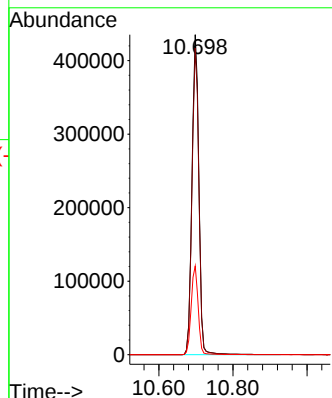
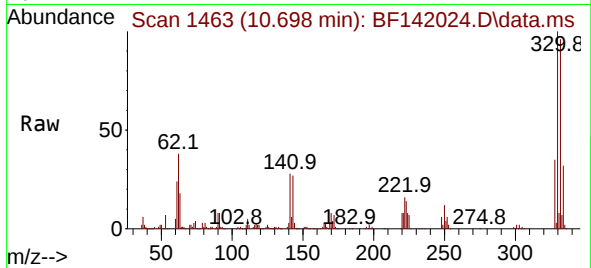




#42
2,4,6-Tribromophenol
Concen: 138.271 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

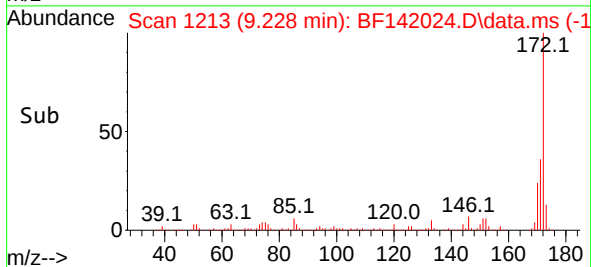
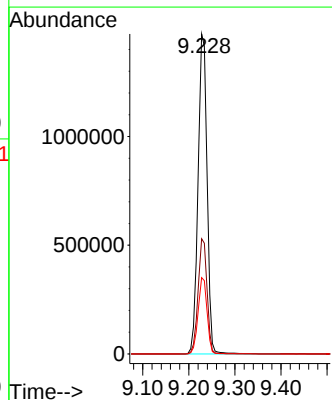
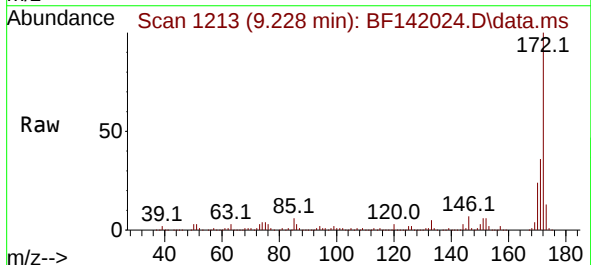
Instrument :
BNA_F
ClientSampleId :
PB167228BL

Tgt Ion:330 Resp: 561009
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 28.1 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 95.050 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

Tgt Ion:172 Resp: 1998834
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 23.9 19.4 29.0

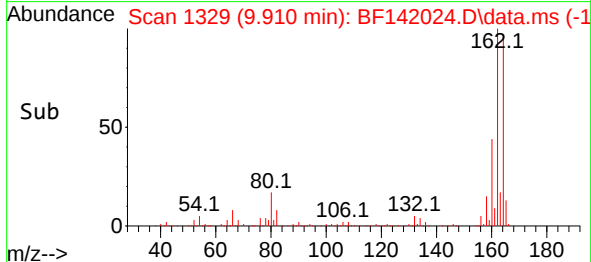
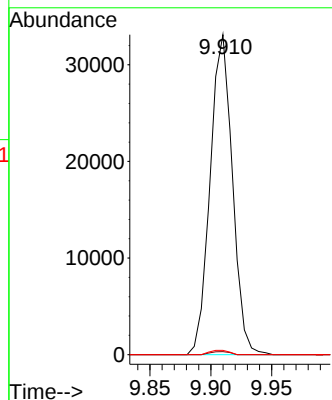
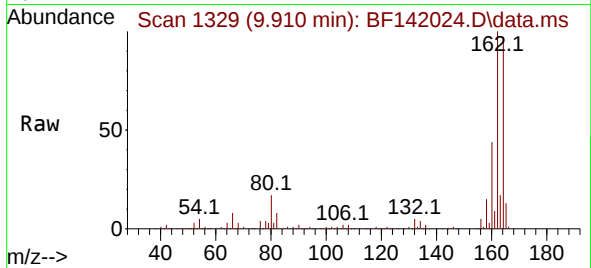




#51
2,6-Dinitrotoluene
Concen: 9.051 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

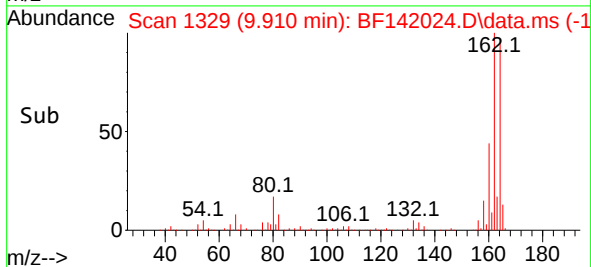
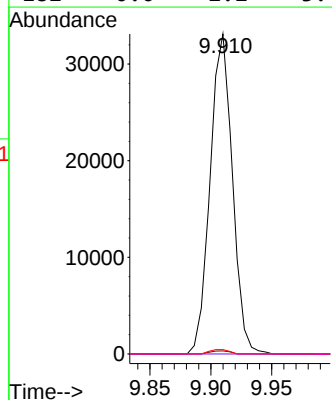
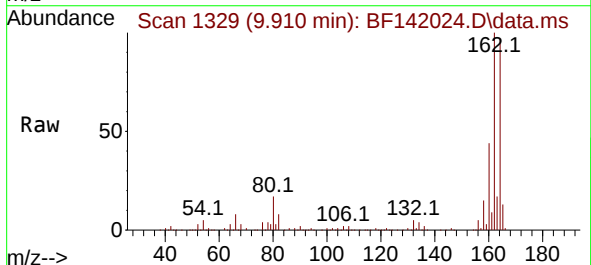
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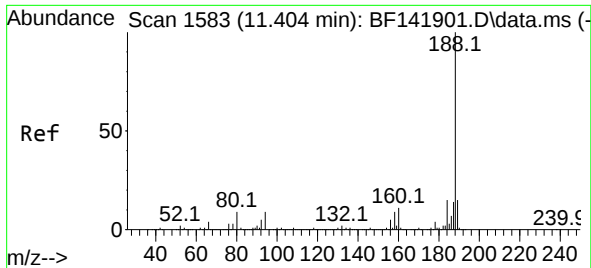
Tgt Ion:165 Resp: 42205
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.930 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

Tgt Ion:165 Resp: 42205
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

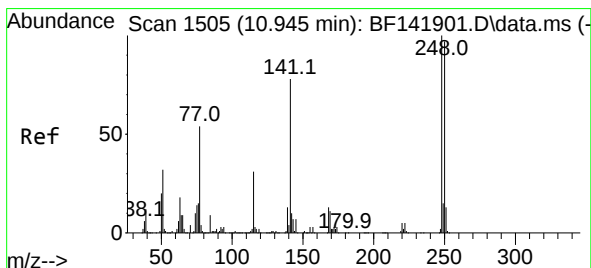
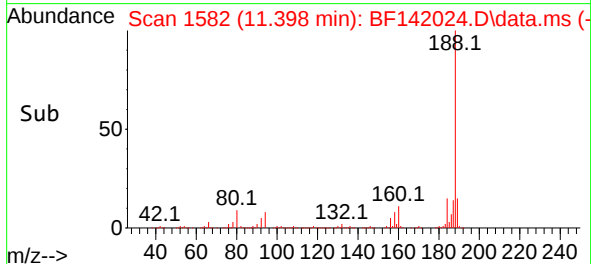
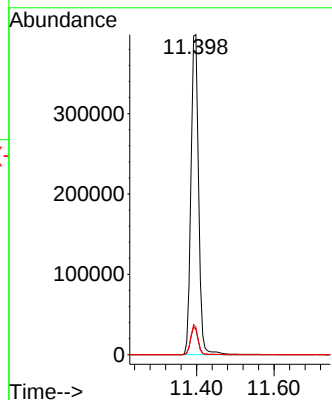
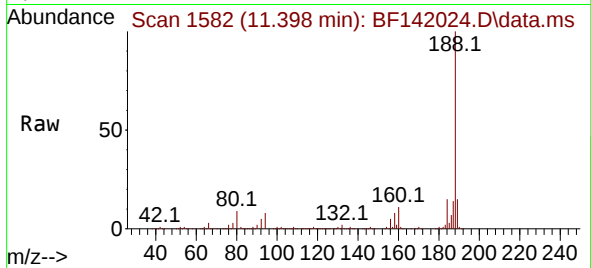




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

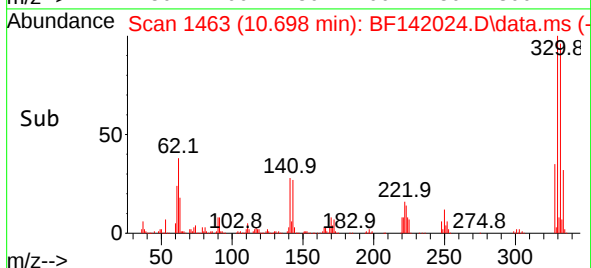
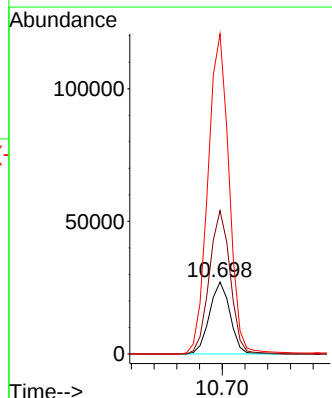
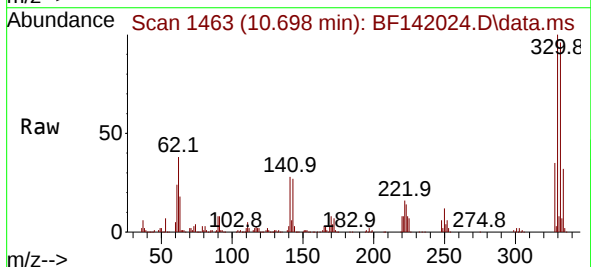
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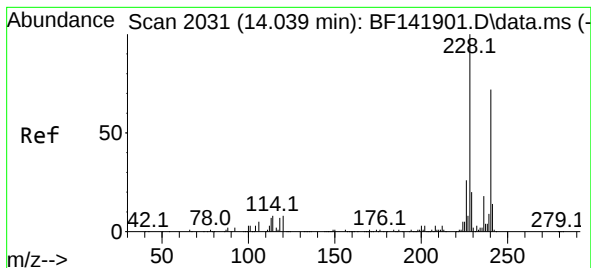
Tgt Ion:188 Resp: 544660
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.001 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142024.D
Acq: 21 Mar 2025 11:55

Tgt Ion:248 Resp: 34207
Ion Ratio Lower Upper
248 100
250 199.6 77.8 116.8#
141 445.8 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142024.D

Acq: 21 Mar 2025 11:55

Instrument :

BNA_F

ClientSampleId :

PB167228BL

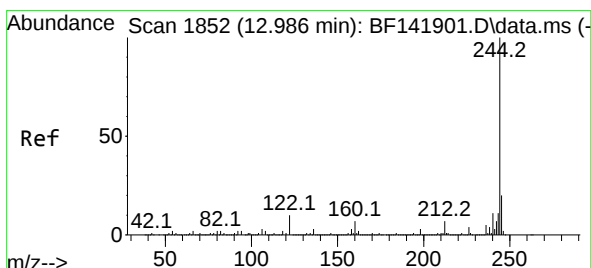
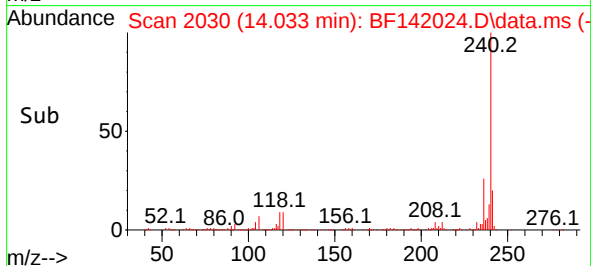
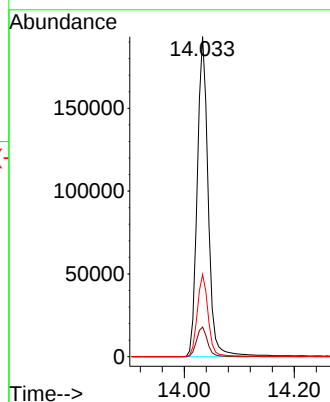
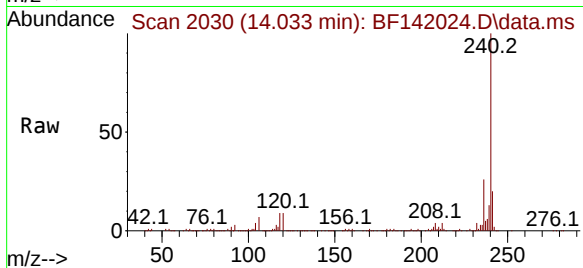
Tgt Ion:240 Resp: 267808

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.7 20.5 30.7



#79

Terphenyl-d14

Concen: 120.183 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142024.D

Acq: 21 Mar 2025 11:55

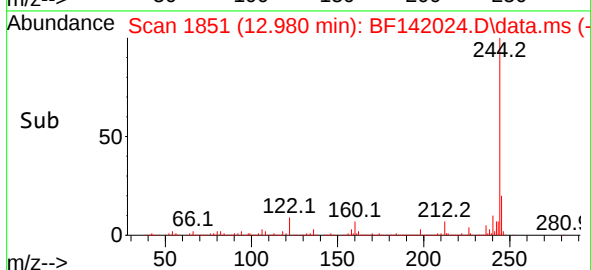
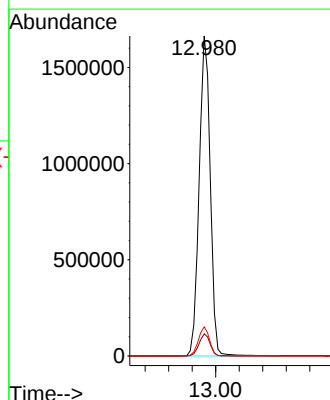
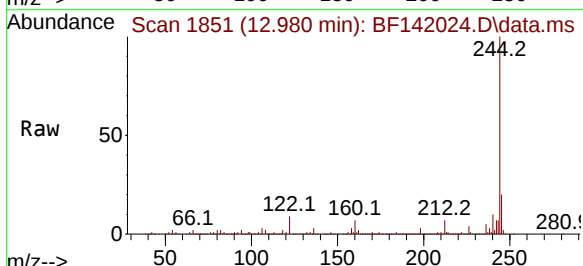
Tgt Ion:244 Resp: 2177002

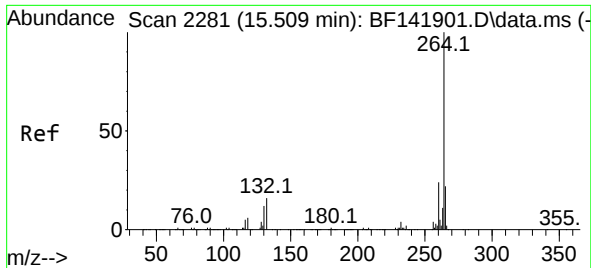
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.1 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142024.D
 Acq: 21 Mar 2025 11:55

Instrument :
 BNA_F
 ClientSampleId :
 PB167228BL

Tgt Ion:264 Resp: 231658
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.8 17.5 26.3

