

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142162.D
 Acq On : 28 Mar 2025 16:06
 Operator : RC/JU
 Sample : Q1645-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 28 16:41:40 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)

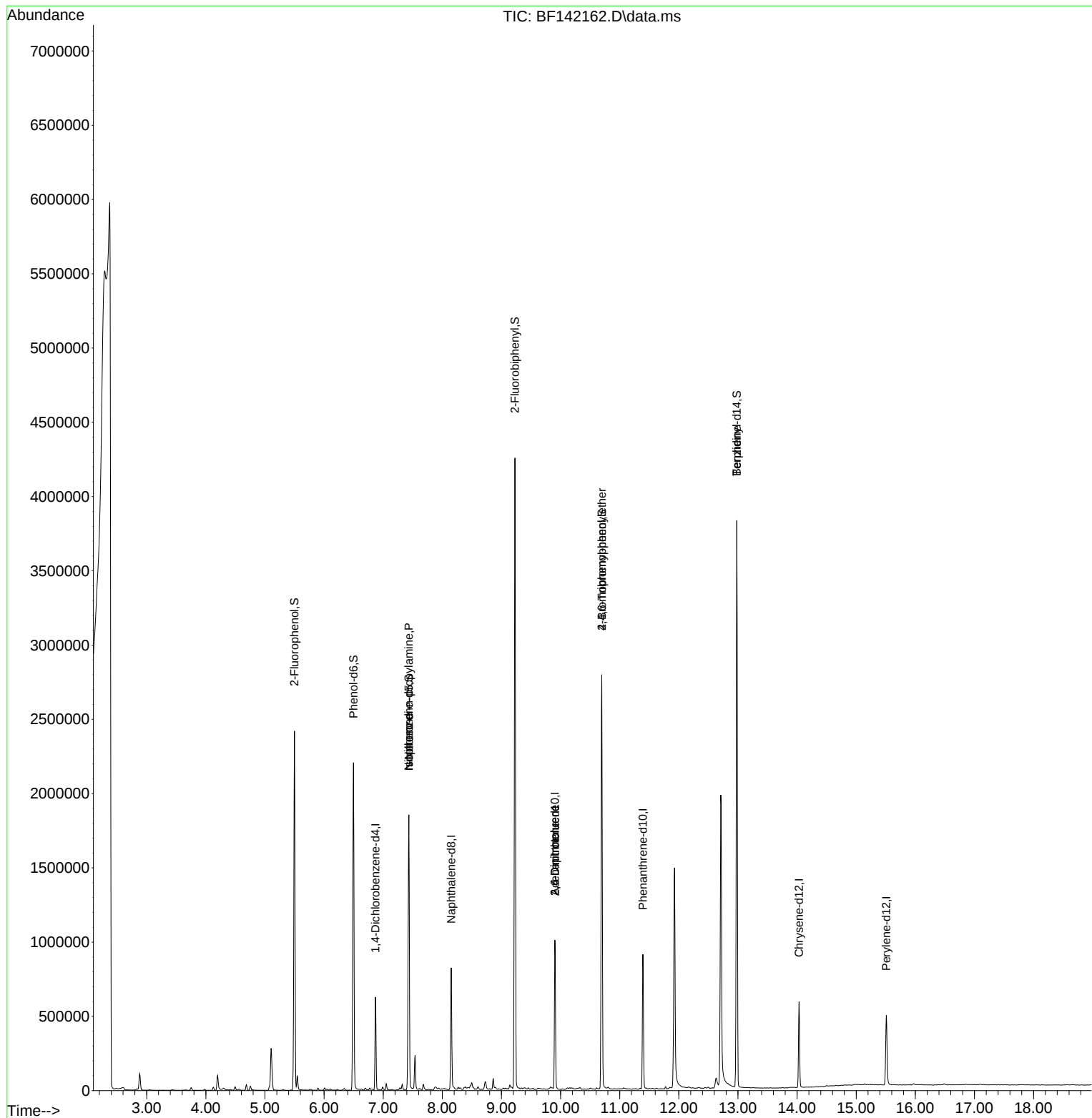
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	132046	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	537218	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	301203	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	475926	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	288714	20.000	ng	0.00
86) Perylene-d12	15.509	264	298041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	975557	123.303	ng	0.00
7) Phenol-d6	6.498	99	1126127	111.790	ng	0.00
23) Nitrobenzene-d5	7.433	82	859274	90.013	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	564051	147.613	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1899506	95.908	ng	-0.01
79) Terphenyl-d14	12.980	244	1879240	96.233	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	119629	18.482	ng	# 77
25) Isophorone	7.433	82	844709	50.059	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	38723	8.817	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	38723	6.751	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	34187	5.720	ng	# 1
77) Benzidine	12.980	184	25532	6.338	ng	# 89

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

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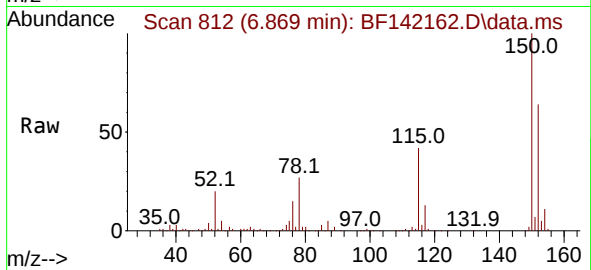
Quant Time: Mar 28 16:41:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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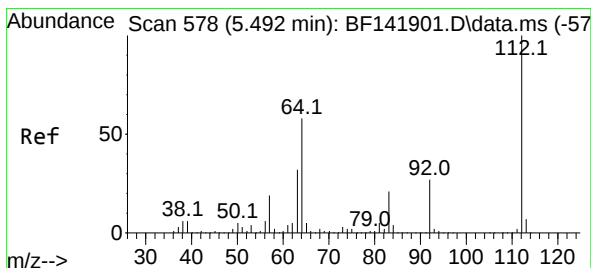
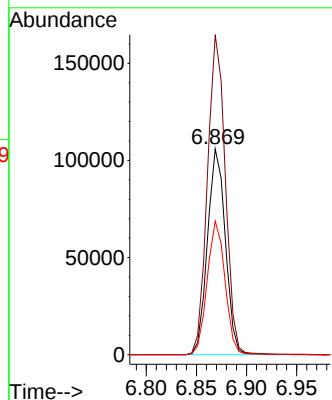
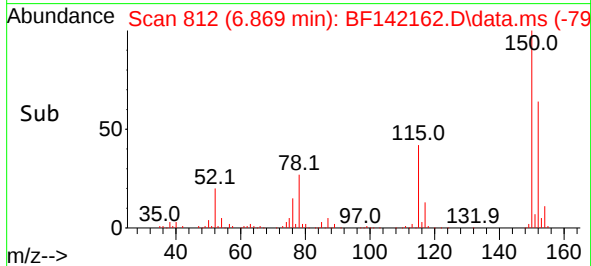


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

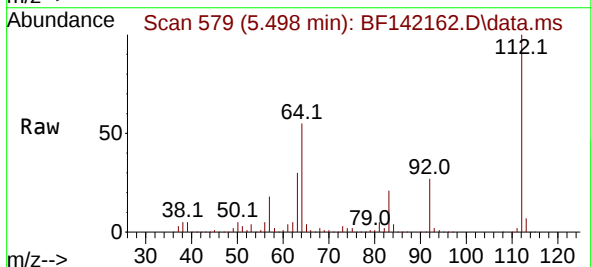
Instrument :
BNA_F
ClientSampleId :
TP-1



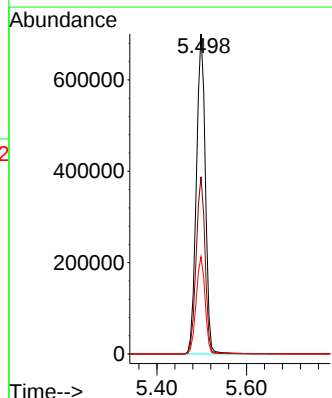
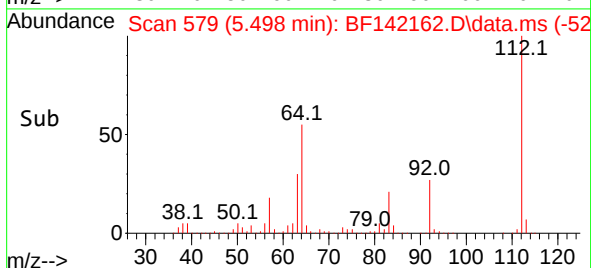
Tgt Ion:152 Resp: 132046
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 64.9 51.9 77.9



#5
2-Fluorophenol
Concen: 123.303 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06



Tgt Ion:112 Resp: 975557
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.4 25.4 38.2



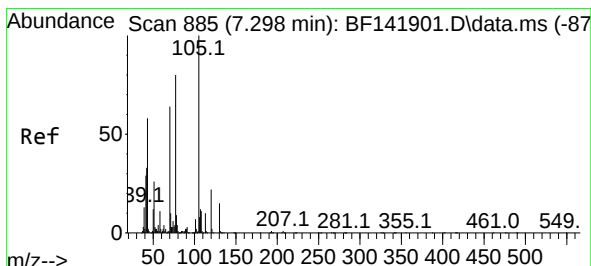
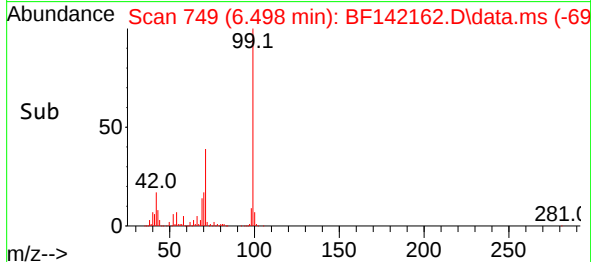
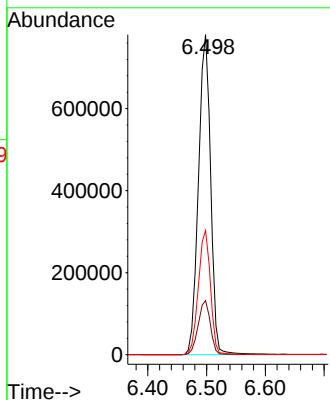
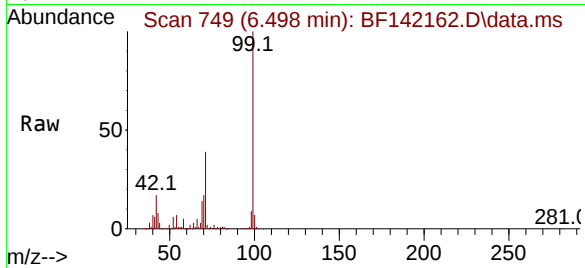


#7
Phenol-d6
Concen: 111.790 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 1126127

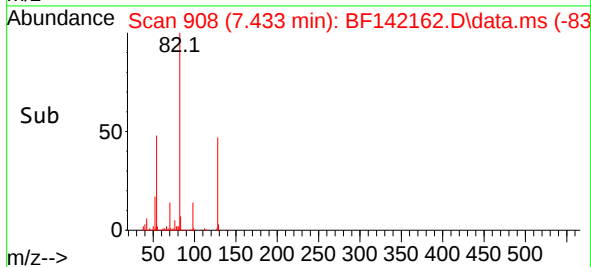
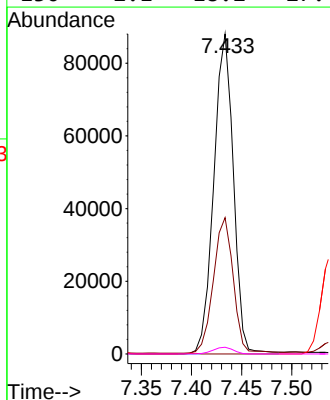
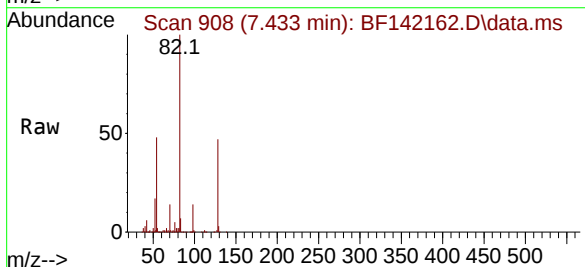
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.8	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.482 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

Tgt Ion: 70 Resp: 119629

Ion	Ratio	Lower	Upper
70	100		
42	42.6	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#



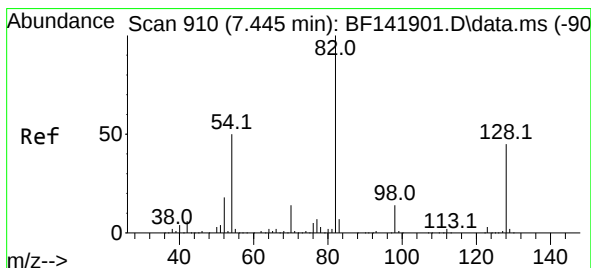
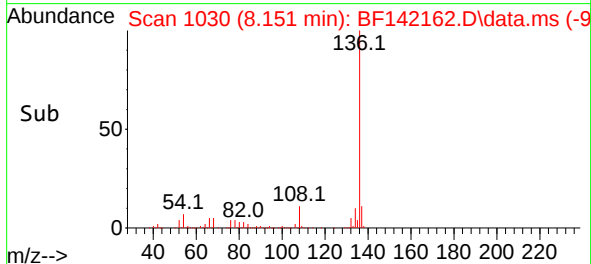
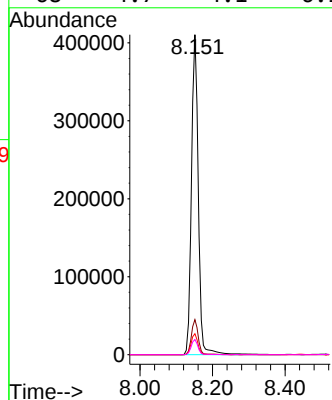
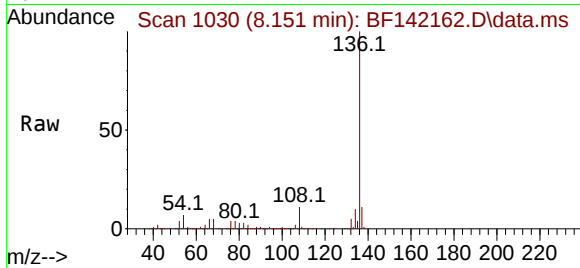


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 537218

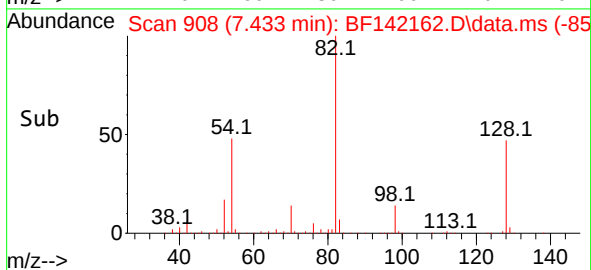
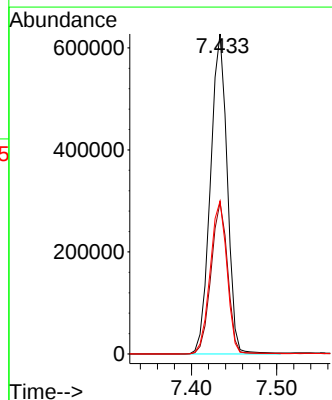
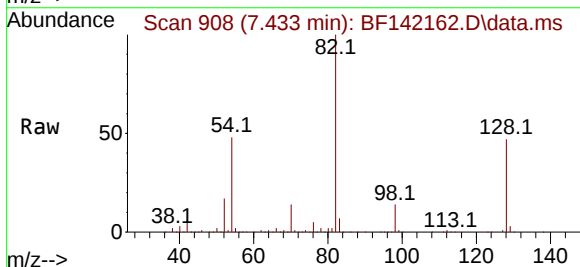
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.8	8.8
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 90.013 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

Tgt Ion: 82 Resp: 859274

Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.0	54.0
54	47.8	39.6	59.4

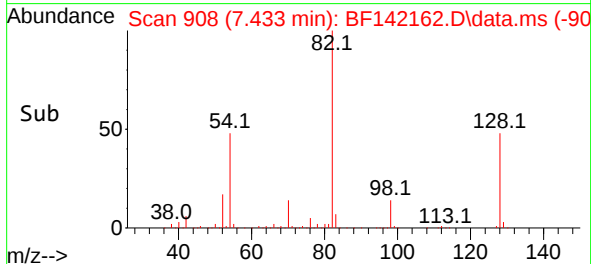
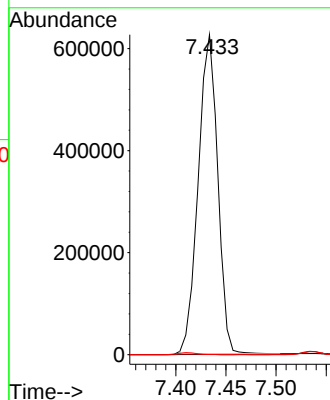
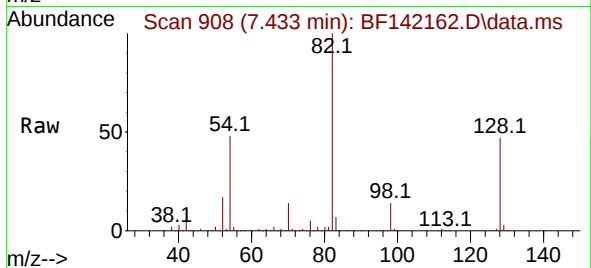




#25
Isophorone
Concen: 50.059 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

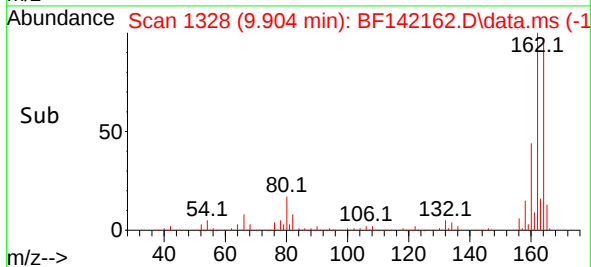
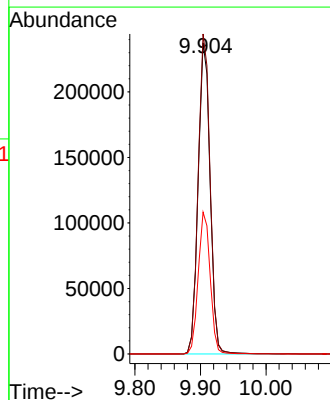
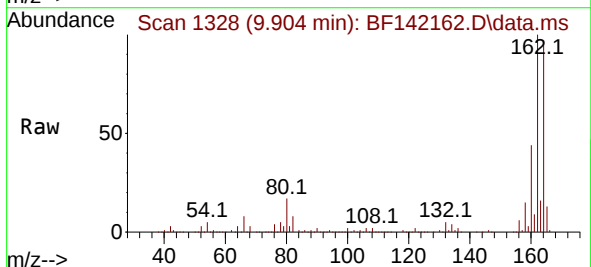
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 844709
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.1 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

Tgt Ion:164 Resp: 301203
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.6 36.7 55.1

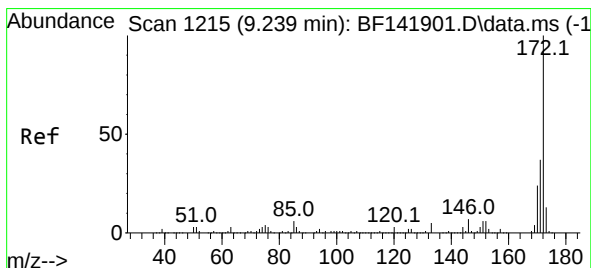
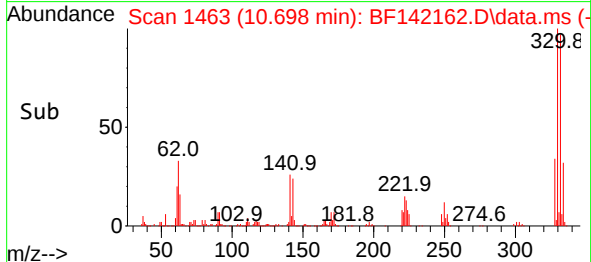
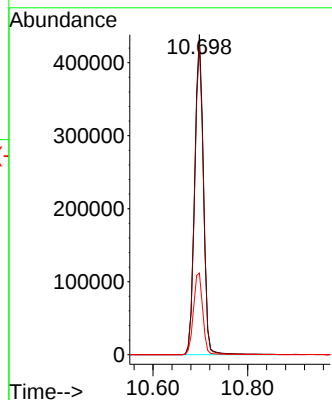
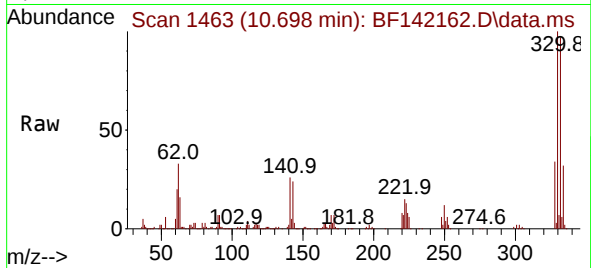




#42
2,4,6-Tribromophenol
Concen: 147.613 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

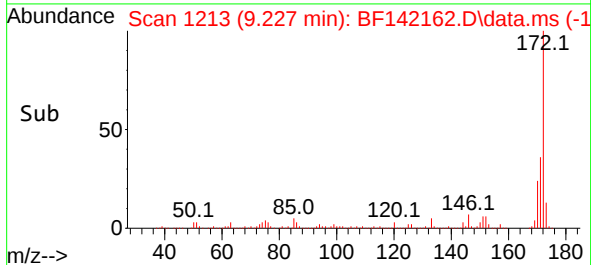
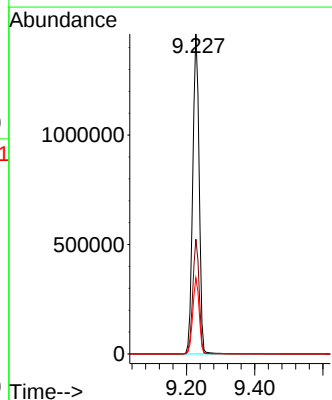
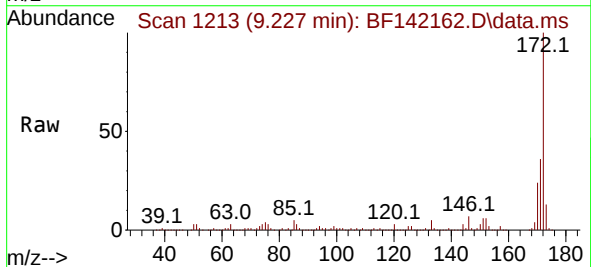
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:330 Resp: 564051
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 27.1 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 95.908 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

Tgt Ion:172 Resp: 1899506
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 23.8 19.4 29.0

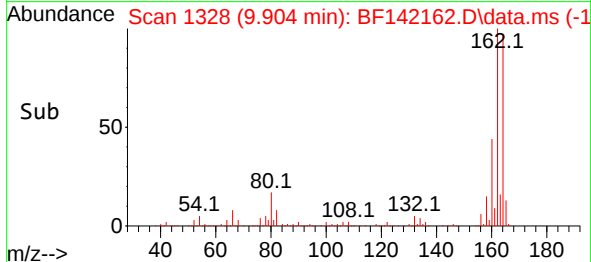
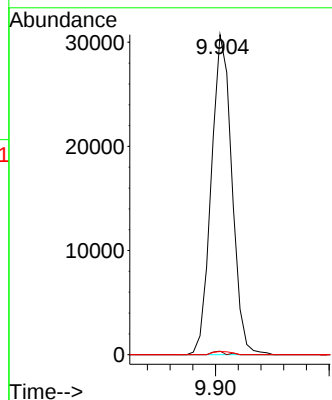
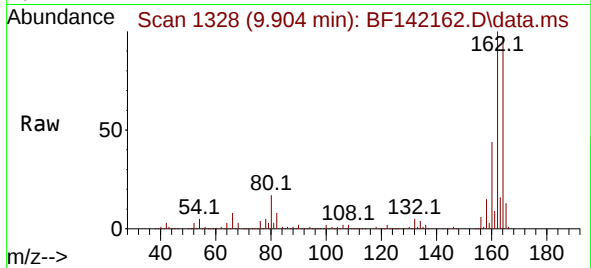




#51
2,6-Dinitrotoluene
Concen: 8.817 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

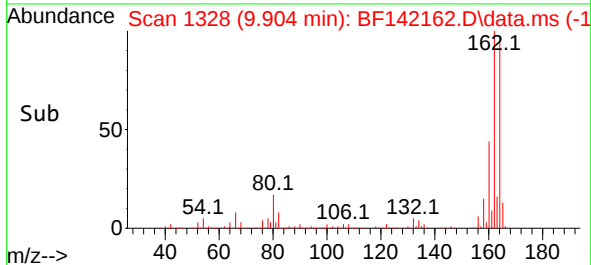
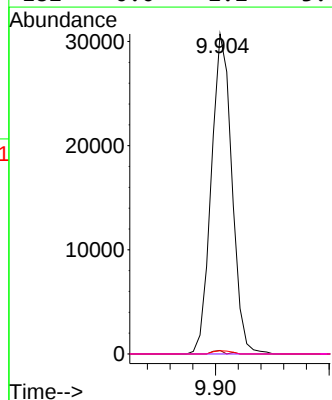
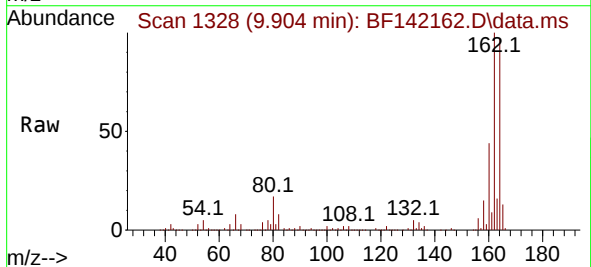
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ClientSampleId :
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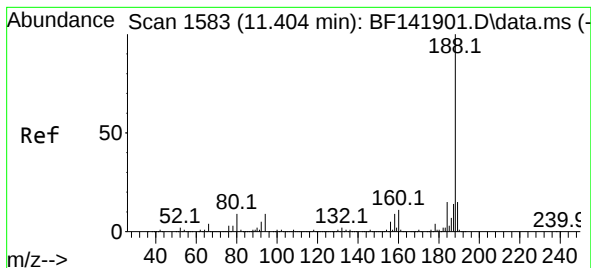
Tgt Ion:165 Resp: 38723
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.0 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.751 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142162.D
Acq: 28 Mar 2025 16:06

Tgt Ion:165 Resp: 38723
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.0 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142162.D

Acq: 28 Mar 2025 16:06

Instrument :

BNA_F

ClientSampleId :

TP-1

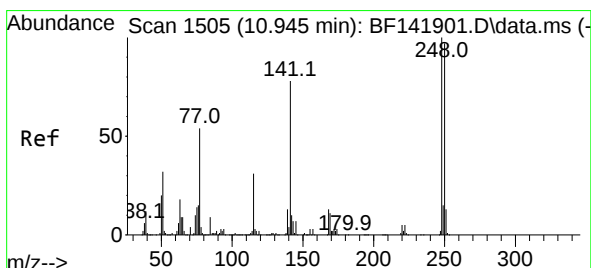
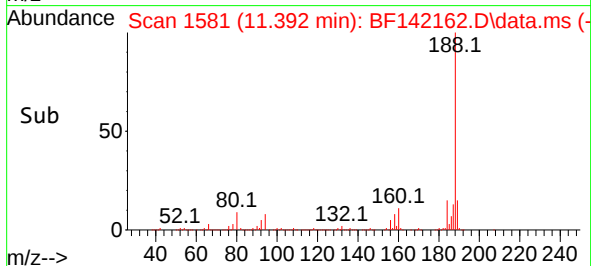
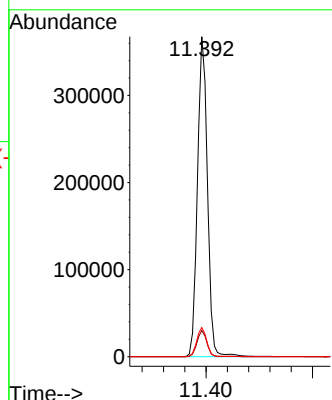
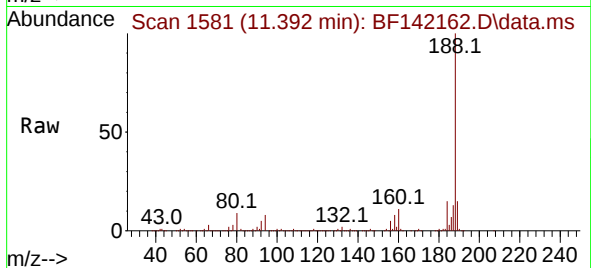
Tgt Ion:188 Resp: 475926

Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 9.1 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.720 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142162.D

Acq: 28 Mar 2025 16:06

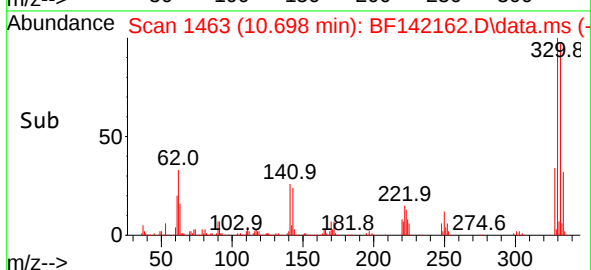
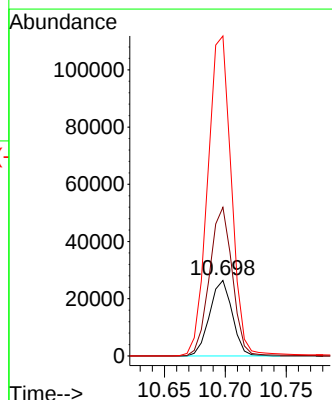
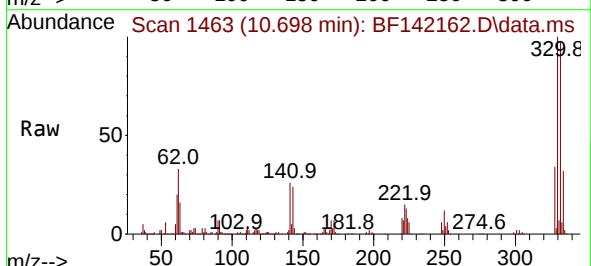
Tgt Ion:248 Resp: 34187

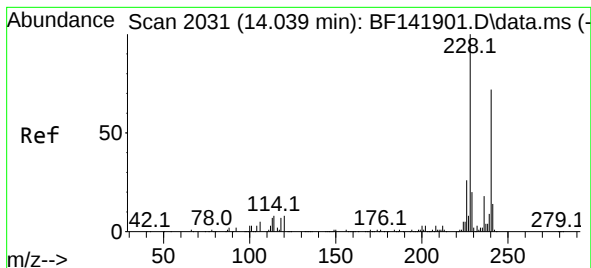
Ion Ratio Lower Upper

248 100

250 196.8 77.8 116.8#

141 423.4 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: BF142162.D

Acq: 28 Mar 2025 16:06

Instrument :

BNA_F

ClientSampleId :

TP-1

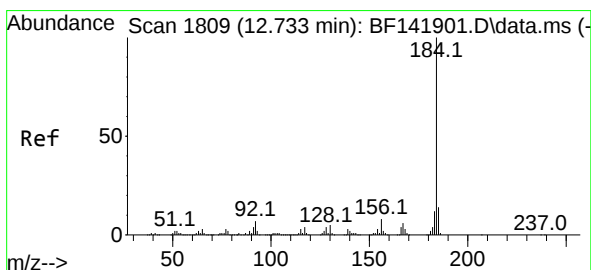
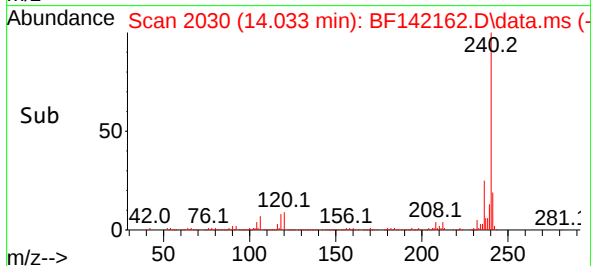
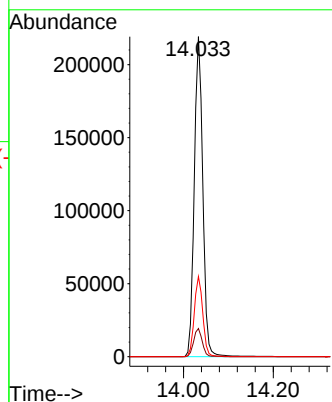
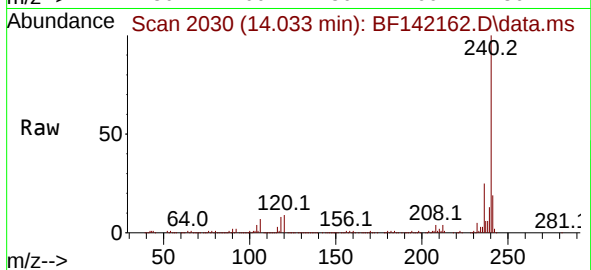
Tgt Ion:240 Resp: 288714

Ion Ratio Lower Upper

240 100

120 8.8 8.4 12.6

236 25.1 20.5 30.7



#77

Benzidine

Concen: 6.338 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142162.D

Acq: 28 Mar 2025 16:06

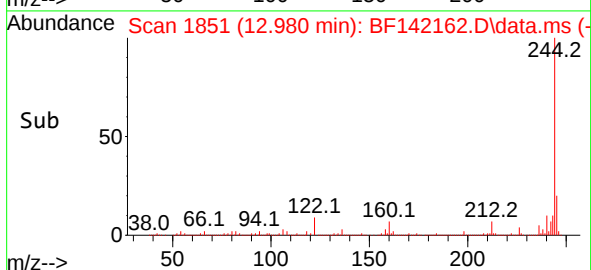
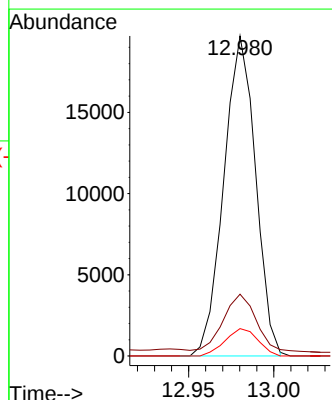
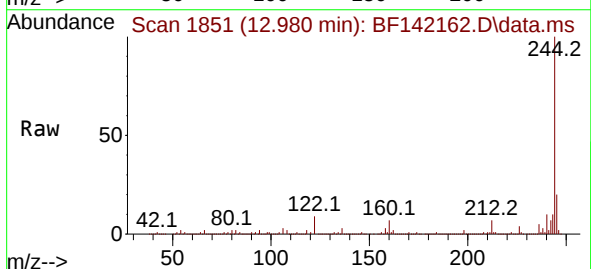
Tgt Ion:184 Resp: 25532

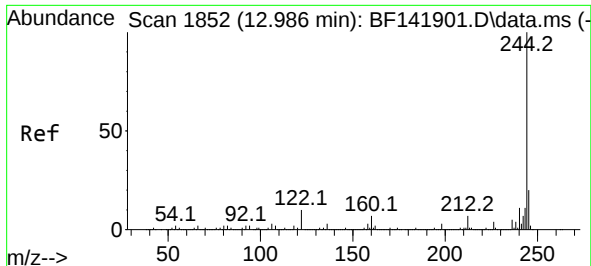
Ion Ratio Lower Upper

184 100

185 19.3 11.5 17.3#

183 8.5 9.7 14.5#

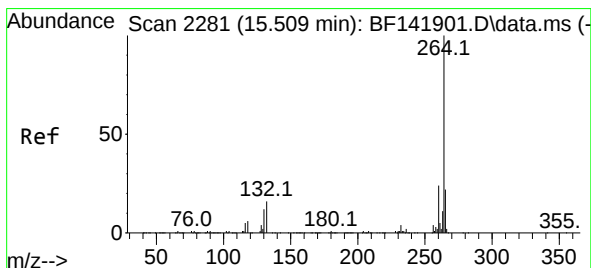
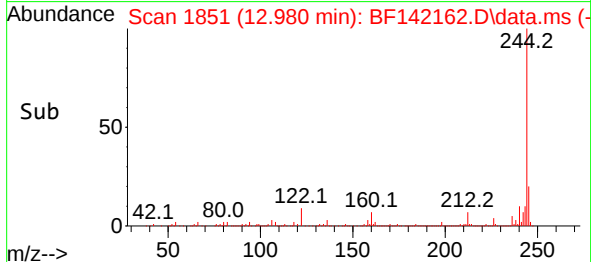
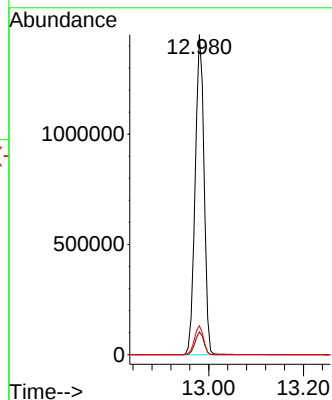
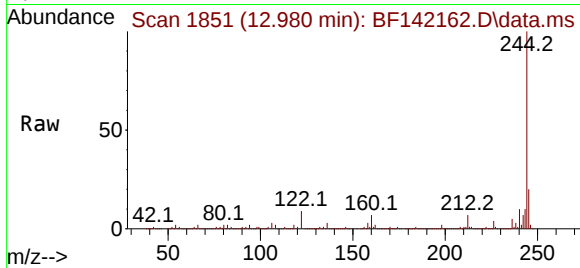




#79
 Terphenyl-d14
 Concen: 96.233 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142162.D
 Acq: 28 Mar 2025 16:06

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 1879240
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.0 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: BF142162.D
 Acq: 28 Mar 2025 16:06

Tgt Ion:264 Resp: 298041
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.9 17.5 26.3

