

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142122.D
 Acq On : 27 Mar 2025 13:08
 Operator : RC/JU
 Sample : Q1635-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 27 14:01:57 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)

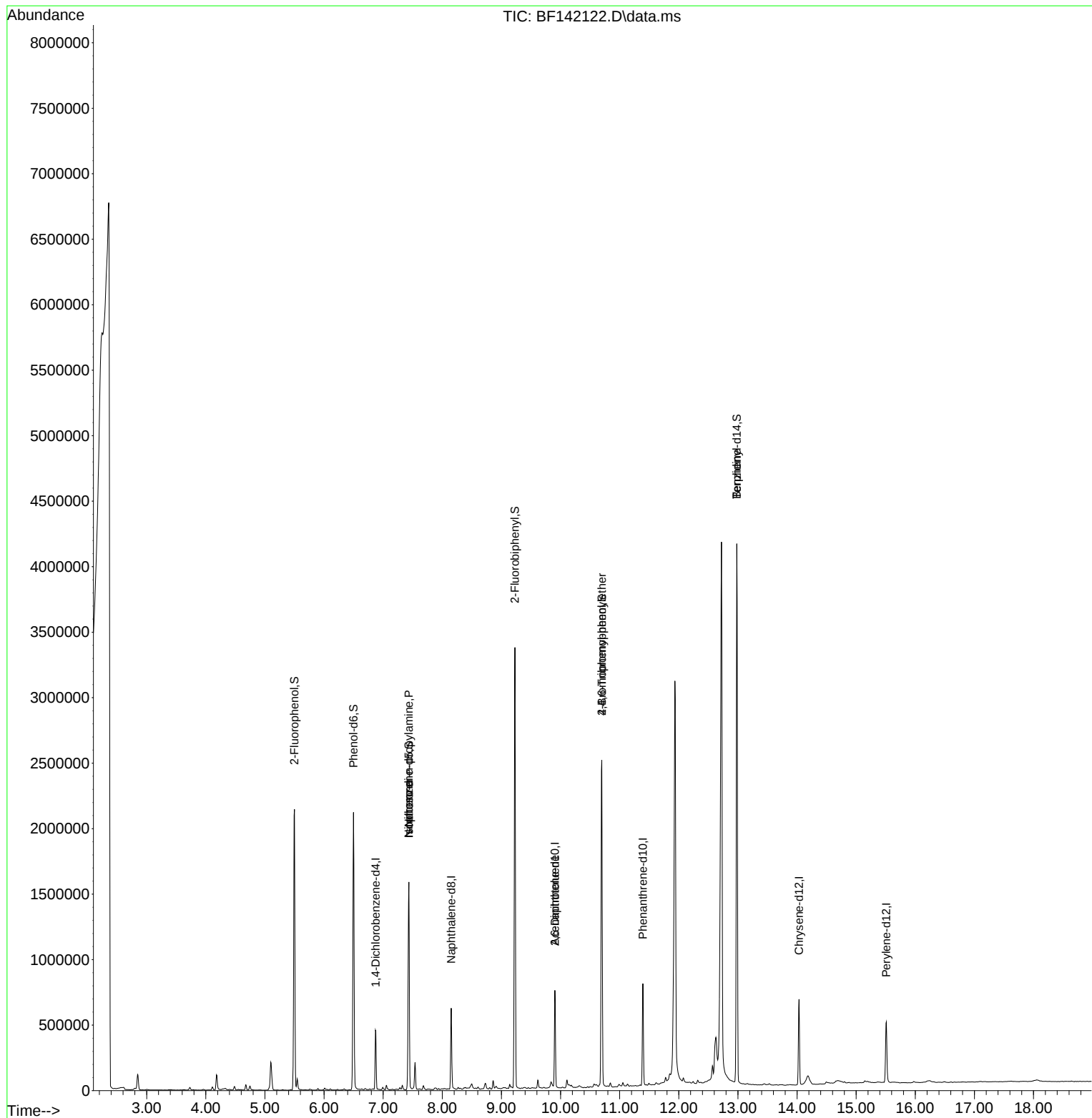
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	99918	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	389416	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	217665	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	389040	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	327724	20.000	ng	0.00
86) Perylene-d12	15.510	264	291912	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	885882	147.971	ng	0.00
7) Phenol-d6	6.498	99	1052139	138.029	ng	0.00
23) Nitrobenzene-d5	7.434	82	724259	104.665	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	494484	179.072	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1455849	101.719	ng	-0.01
79) Terphenyl-d14	12.980	244	2047691	92.377	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	100057	20.428	ng	# 77
25) Isophorone	7.434	82	713530	58.334	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	28025	8.831	ng	# 23
67) 4-Bromophenyl-phenylether	10.698	248	30785	6.301	ng	# 1
77) Benzidine	12.980	184	28275	6.184	ng	# 90

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

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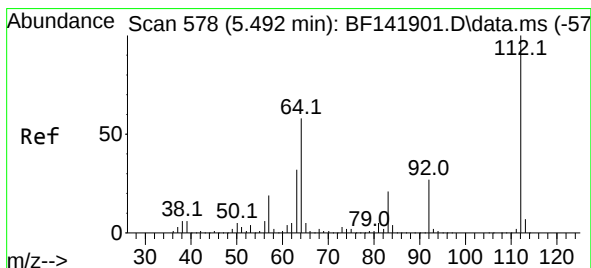
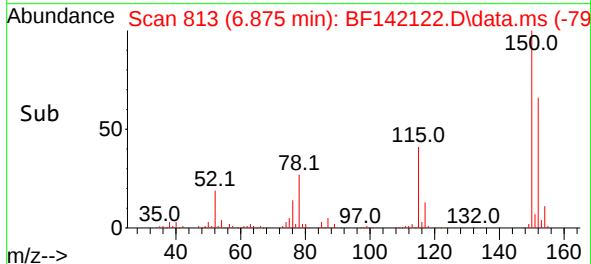
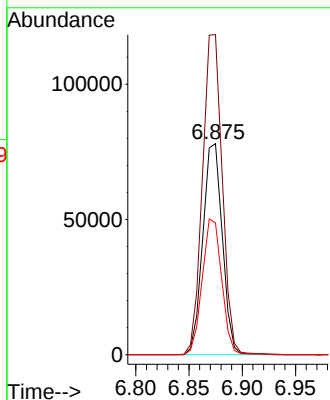
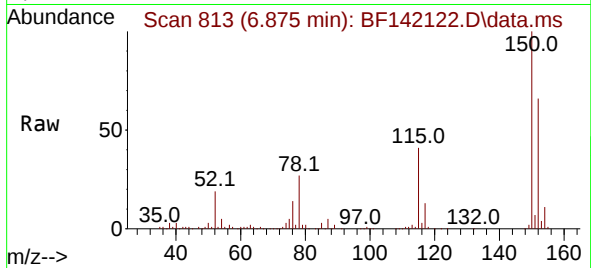




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

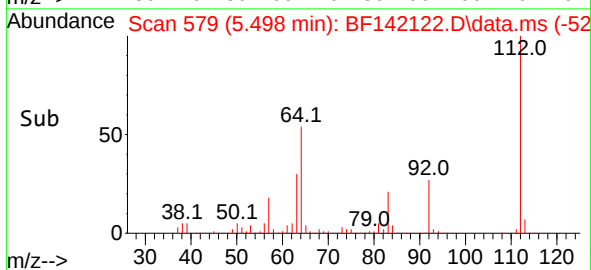
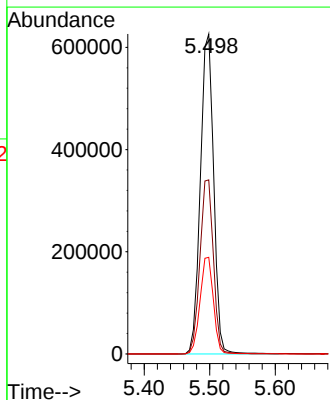
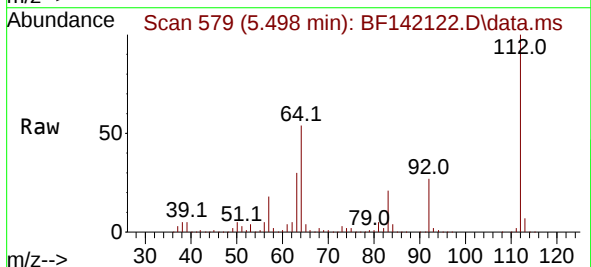
Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:152 Resp: 99918
Ion Ratio Lower Upper
152 100
150 151.6 127.4 191.2
115 62.5 51.9 77.9



#5
2-Fluorophenol
Concen: 147.971 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

Tgt Ion:112 Resp: 885882
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 30.2 25.4 38.2



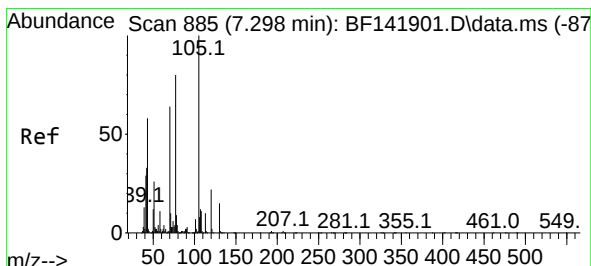
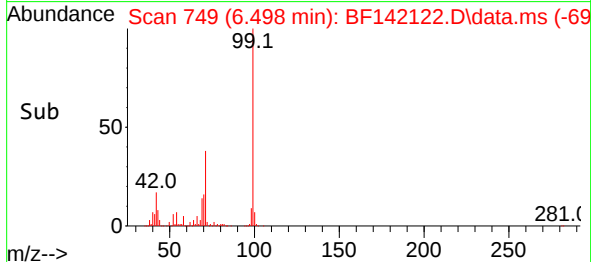
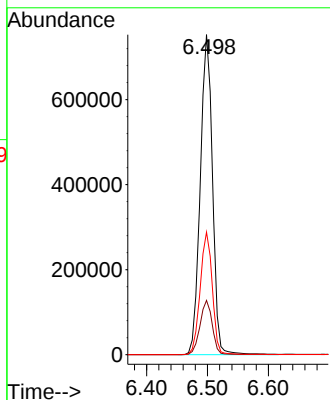
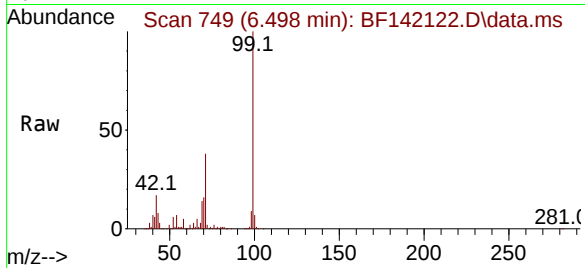


#7
Phenol-d6
Concen: 138.029 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 99 Resp: 1052139

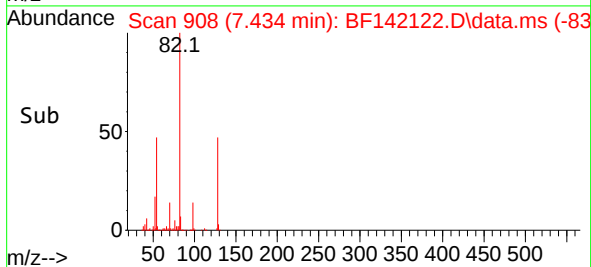
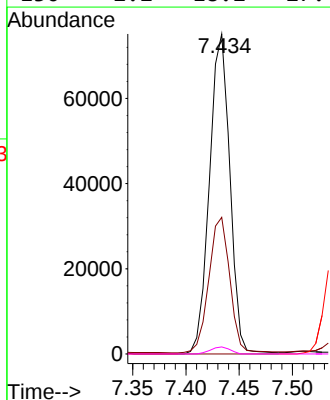
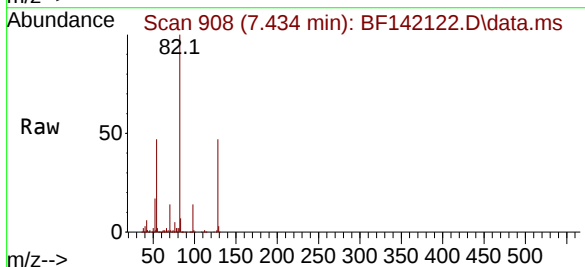
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.3	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.428 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

Tgt Ion: 70 Resp: 100057

Ion	Ratio	Lower	Upper
70	100		
42	42.7	41.4	62.0
101	0.0	8.2	12.2#
130	2.2	18.2	27.4#

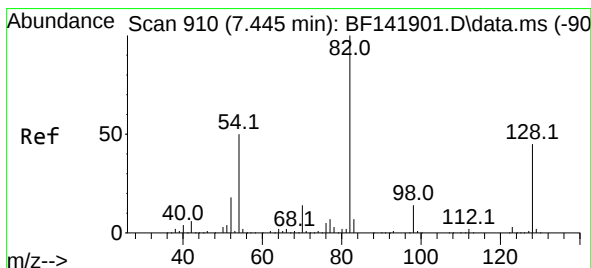
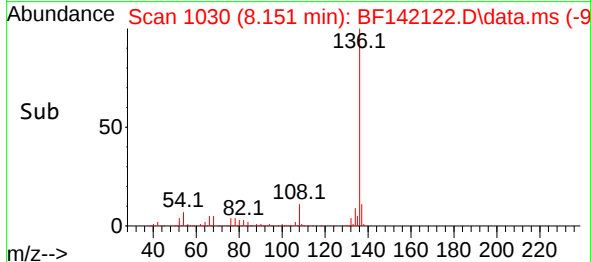
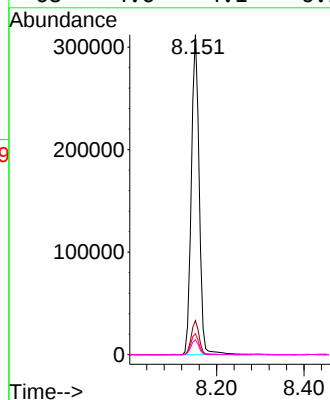
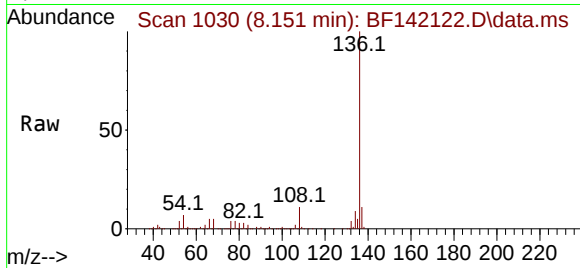




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

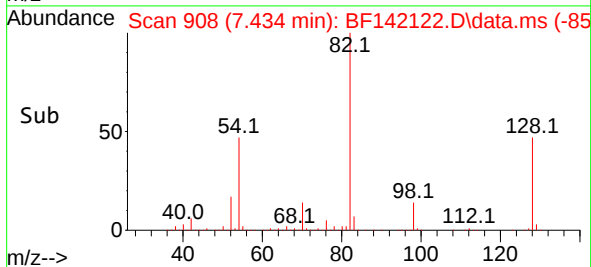
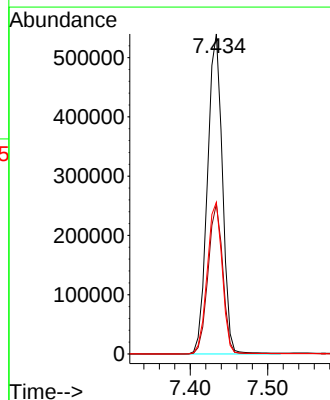
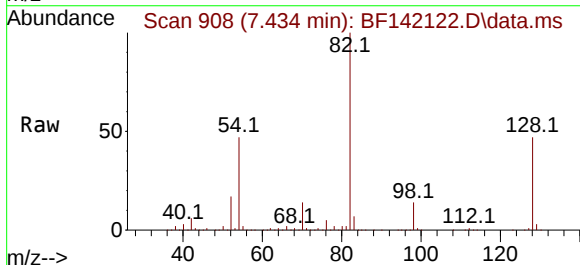
Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:136	Resp: 389416
Ion Ratio	Lower Upper
136 100	
137 10.6	8.8 13.2
54 6.6	5.8 8.8
68 4.6	4.1 6.1



#23
Nitrobenzene-d5
Concen: 104.665 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

Tgt Ion: 82	Resp: 724259
Ion Ratio	Lower Upper
82 100	
128 46.9	36.0 54.0
54 47.4	39.6 59.4

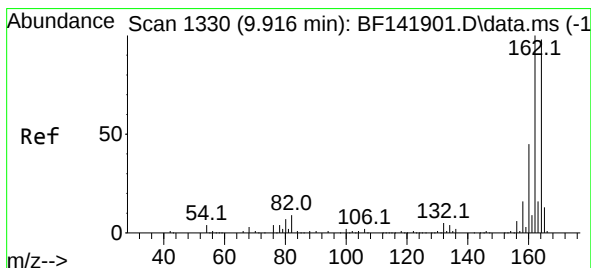
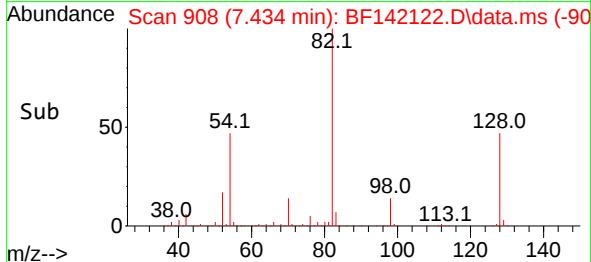
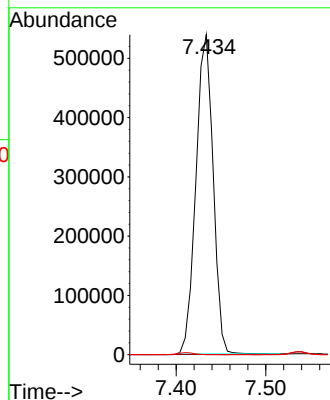
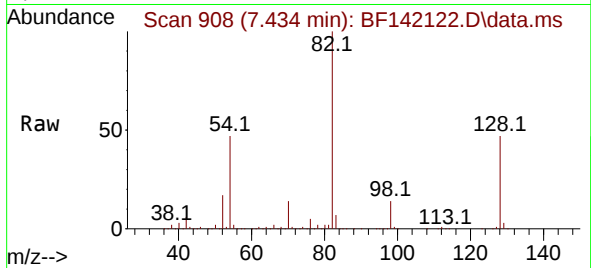




#25
Isophorone
Concen: 58.334 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

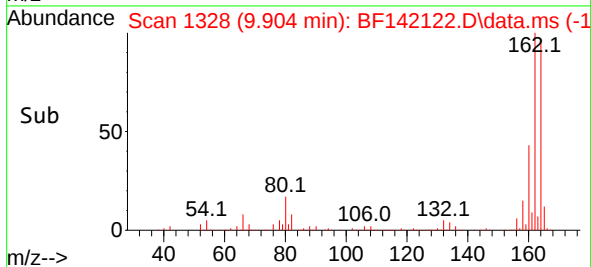
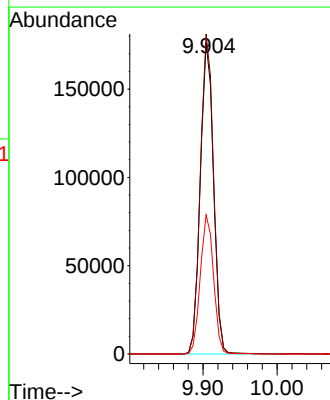
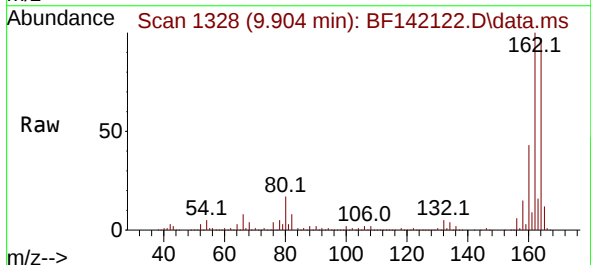
Instrument :
BNA_F
ClientSampleId :
TP-2

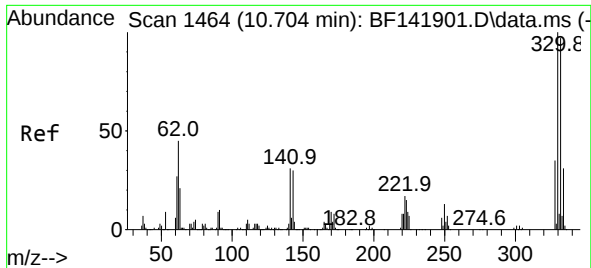
Tgt Ion: 82 Resp: 713530
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

Tgt Ion:164 Resp: 217665
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 44.6 36.7 55.1

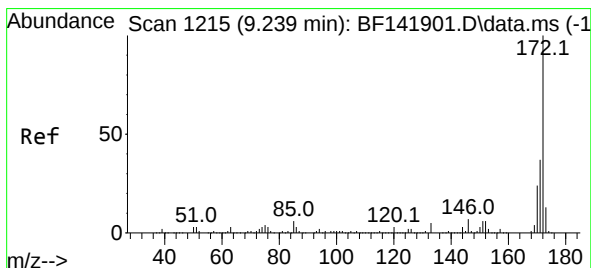
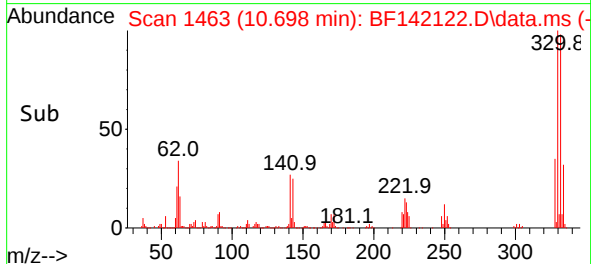
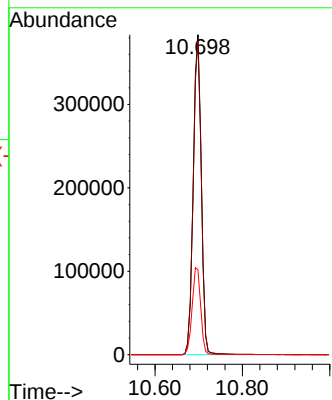
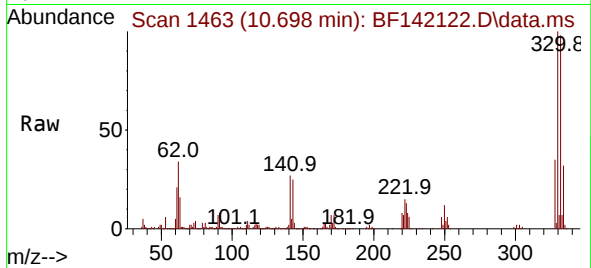




#42
 2,4,6-Tribromophenol
 Concen: 179.072 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142122.D
 Acq: 27 Mar 2025 13:08

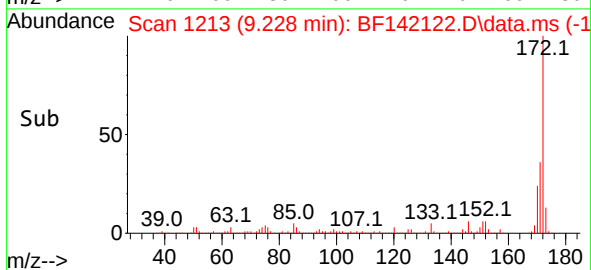
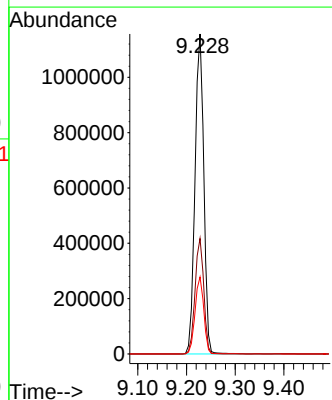
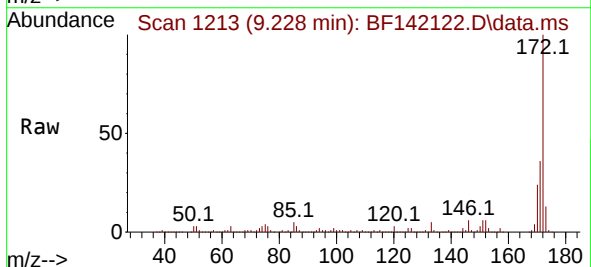
Instrument :
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 ClientSampleId :
 TP-2

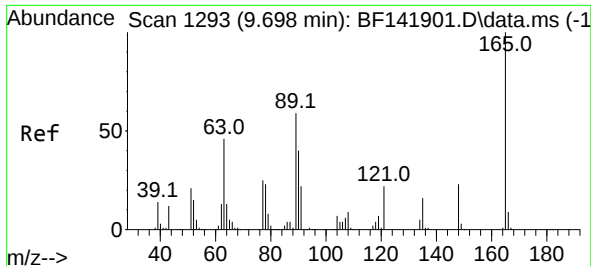
Tgt Ion:330 Resp: 494484
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.6 116.4
 141 28.9 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 101.719 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142122.D
 Acq: 27 Mar 2025 13:08

Tgt Ion:172 Resp: 1455849
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 24.1 19.4 29.0

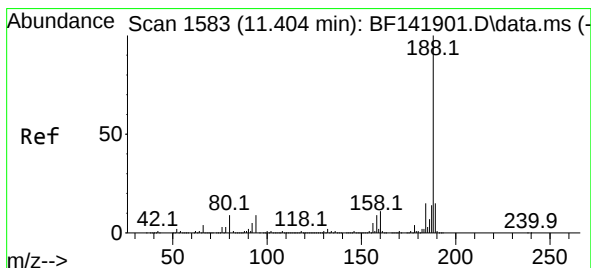
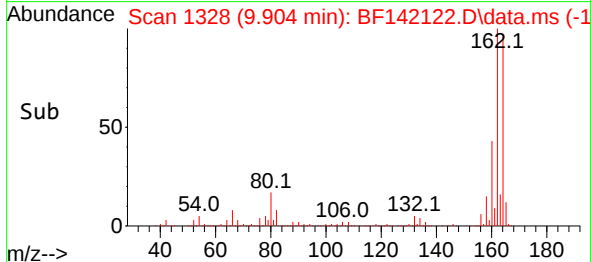
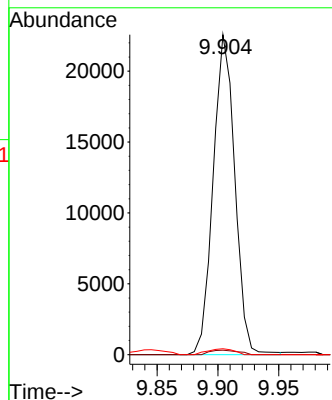
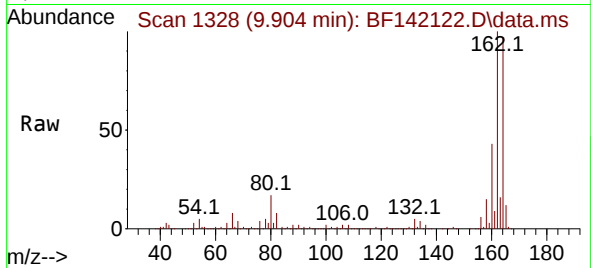




#51
2,6-Dinitrotoluene
Concen: 8.831 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

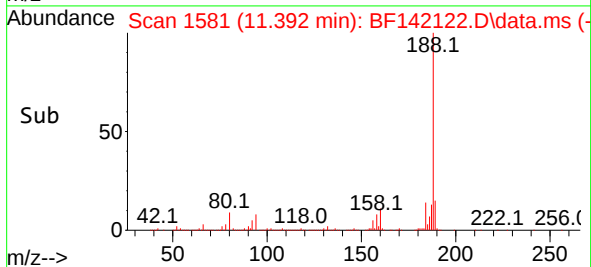
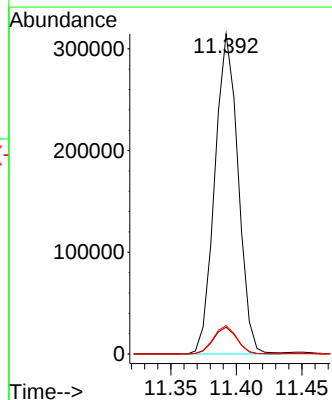
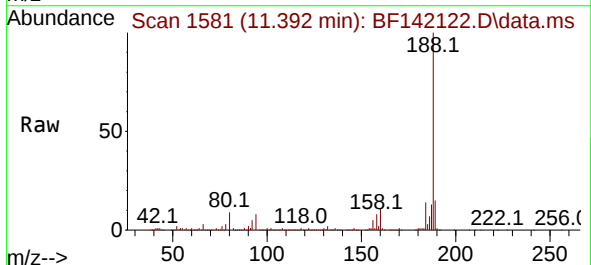
Instrument :
BNA_F
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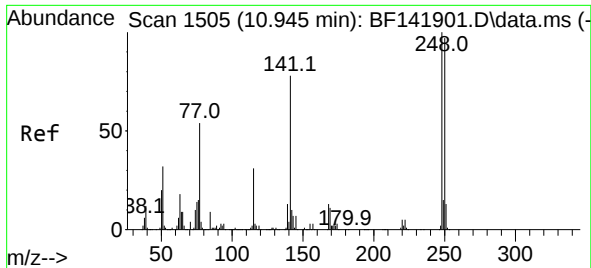
Tgt Ion:165 Resp: 28025
Ion Ratio Lower Upper
165 100
63 1.4 47.0 70.4#
89 1.9 47.4 71.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

Tgt Ion:188 Resp: 389040
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.9 7.6 11.4

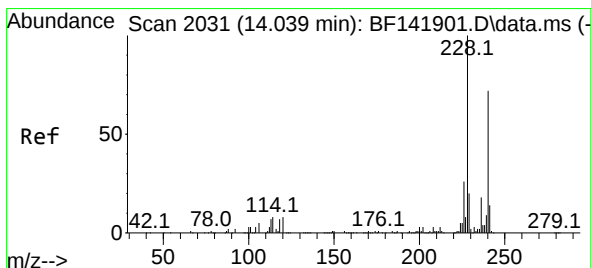
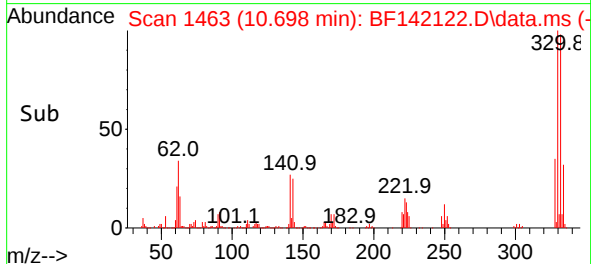
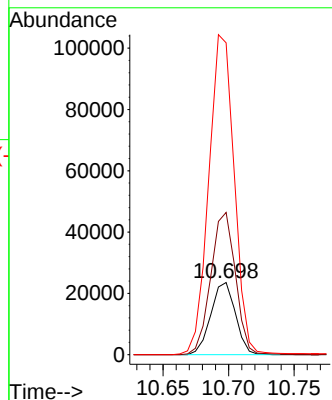
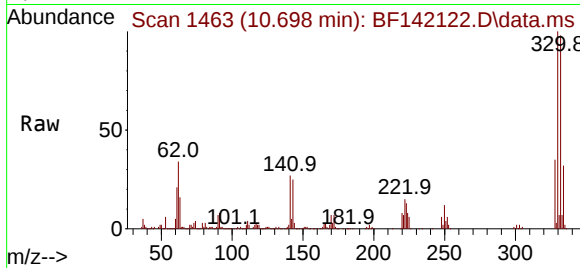




#67
4-Bromophenyl-phenylether
Concen: 6.301 ng
RT: 10.698 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

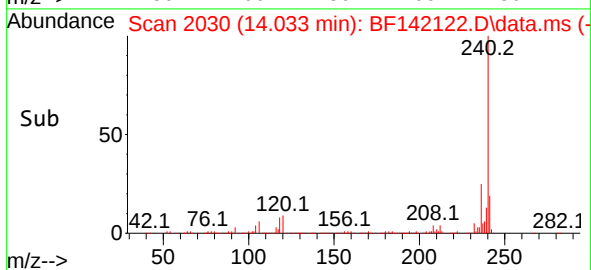
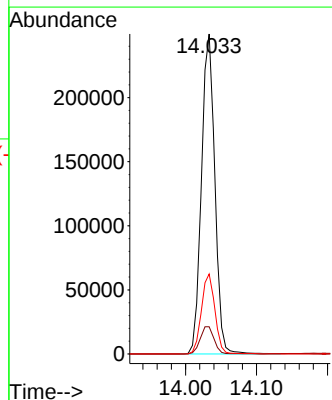
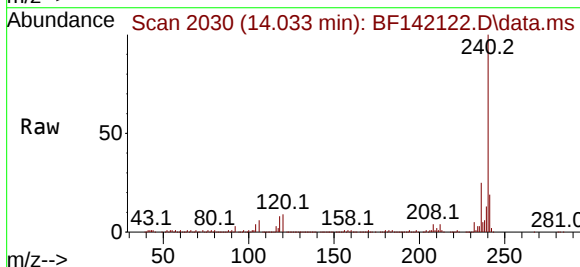
Instrument :
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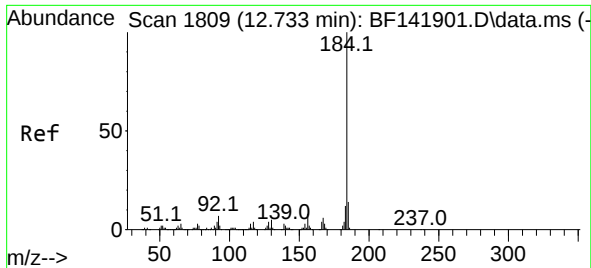
Tgt Ion:248 Resp: 30785
Ion Ratio Lower Upper
248 100
250 197.0 77.8 116.8#
141 432.0 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142122.D
Acq: 27 Mar 2025 13:08

Tgt Ion:240 Resp: 327724
Ion Ratio Lower Upper
240 100
120 8.5 8.4 12.6
236 25.0 20.5 30.7





#77

Benzidine

Concen: 6.184 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142122.D

Acq: 27 Mar 2025 13:08

Instrument :

BNA_F

ClientSampleId :

TP-2

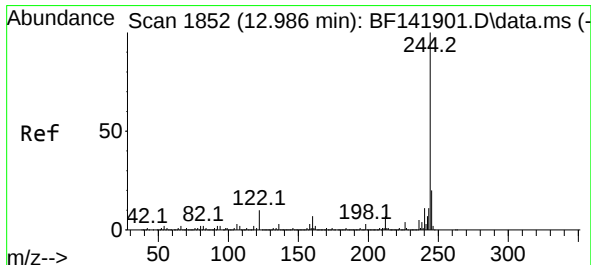
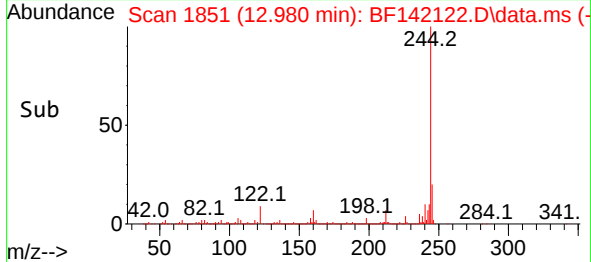
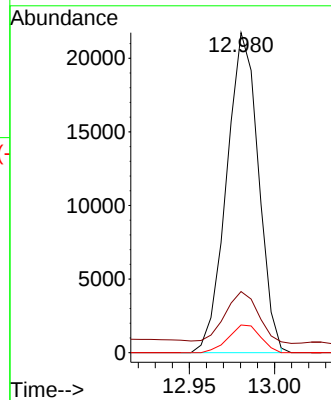
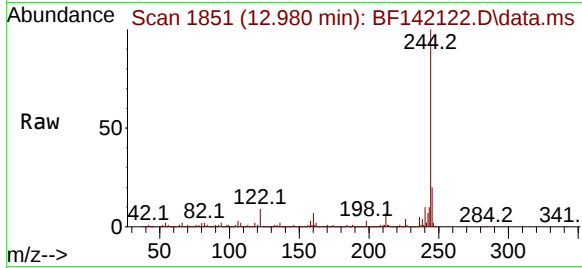
Tgt Ion:184 Resp: 28275

Ion Ratio Lower Upper

184 100

185 19.1 11.5 17.3#

183 8.6 9.7 14.5#



#79

Terphenyl-d14

Concen: 92.377 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142122.D

Acq: 27 Mar 2025 13:08

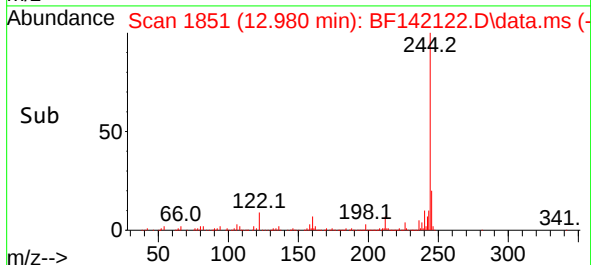
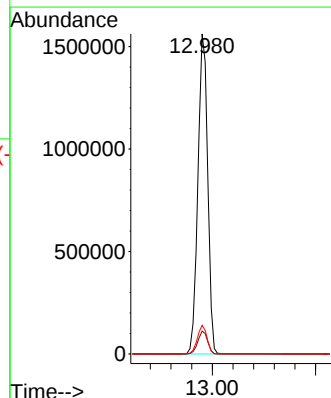
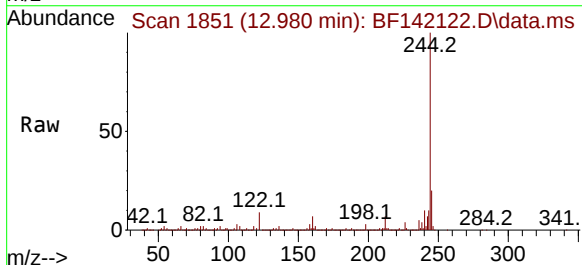
Tgt Ion:244 Resp: 2047691

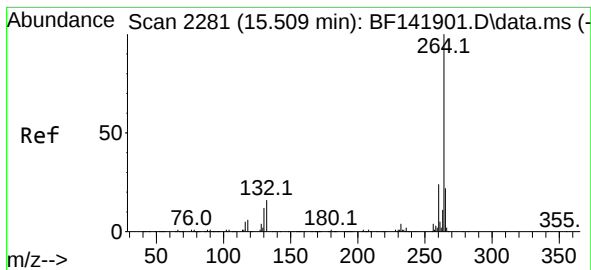
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.9 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: BF142122.D

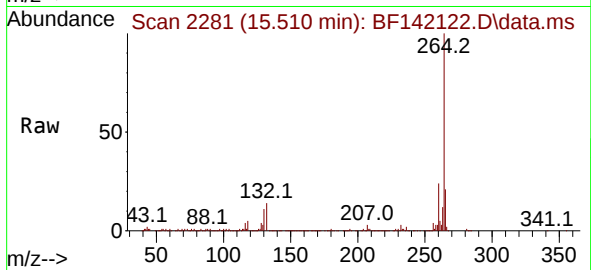
Acq: 27 Mar 2025 13:08

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:264 Resp: 291912

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.0 17.5 26.3

