

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142136.D
 Acq On : 27 Mar 2025 20:42
 Operator : RC/JU
 Sample : Q1648-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Mar 28 01:57:08 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)

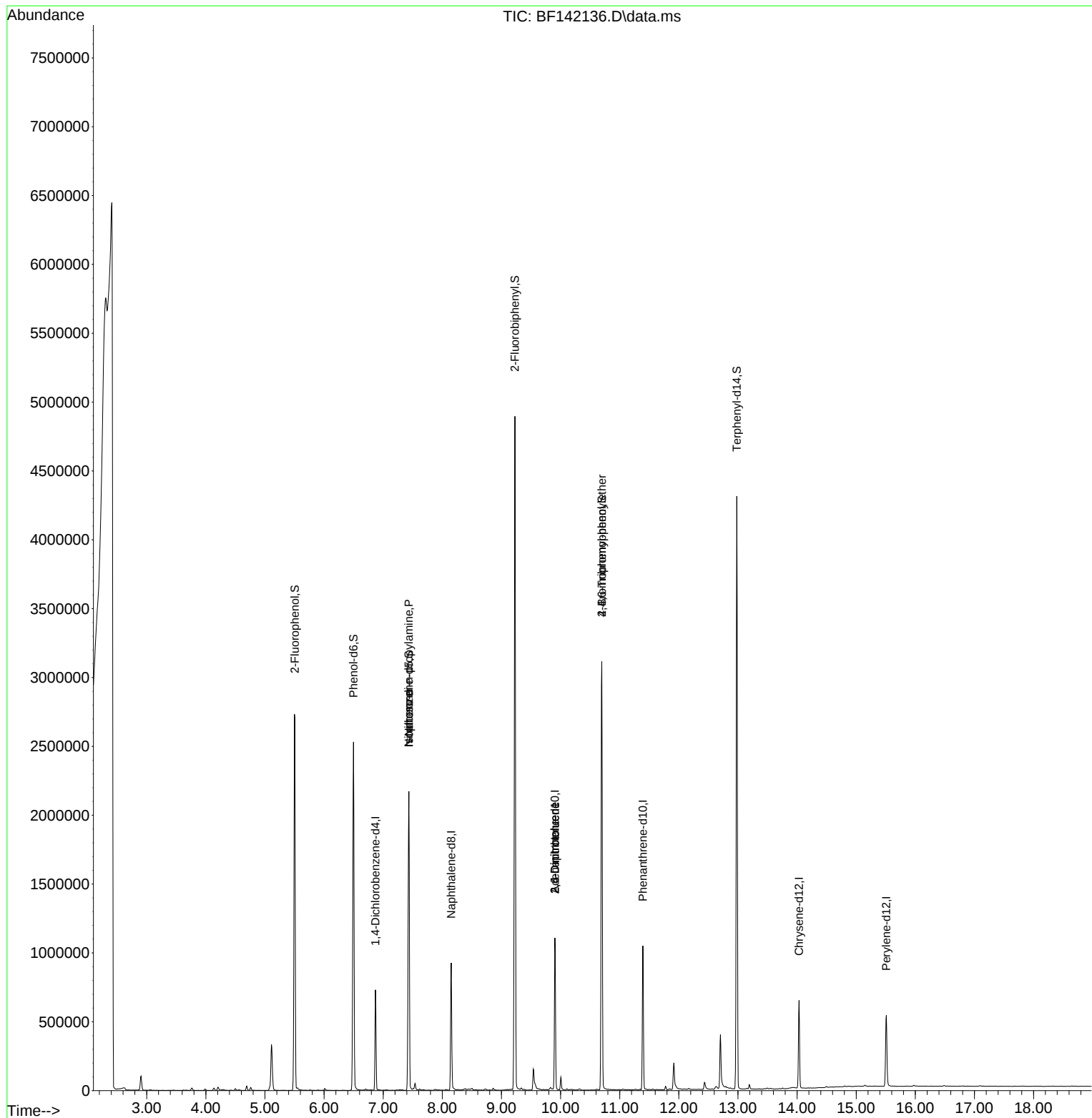
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	153938	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	612192	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	334175	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	531312	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	316760	20.000	ng	0.00
86) Perylene-d12	15.510	264	326955	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1153156	125.022	ng	0.01
7) Phenol-d6	6.498	99	1312202	111.737	ng	0.00
23) Nitrobenzene-d5	7.434	82	1055769	97.052	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	633751	149.489	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2231796	101.568	ng	-0.01
79) Terphenyl-d14	12.980	244	2157023	100.677	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	146378	19.398	ng	# 77
25) Isophorone	7.434	82	1036269	53.890	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	43961	9.022	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	43962	6.908	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	38948	5.837	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142136.D
Acq On : 27 Mar 2025 20:42
Operator : RC/JU
Sample : Q1648-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Time: Mar 28 01:57:08 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

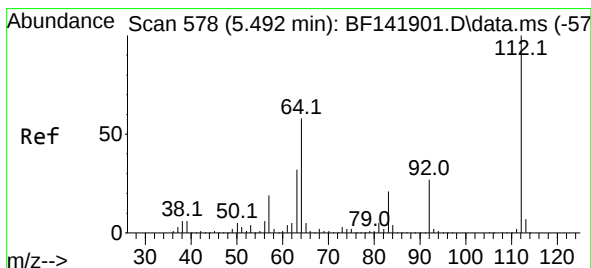
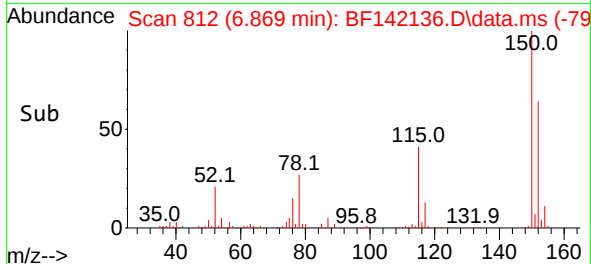
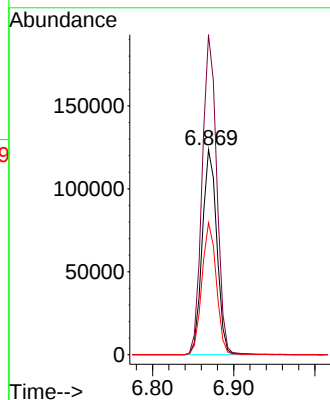
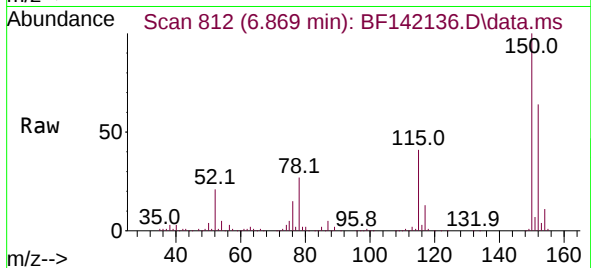




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

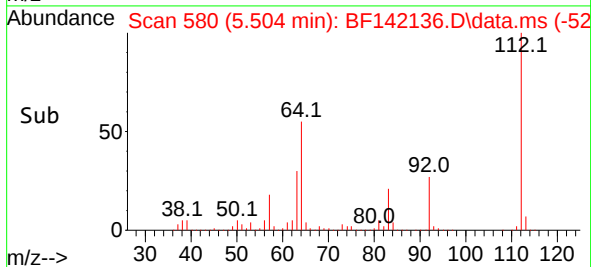
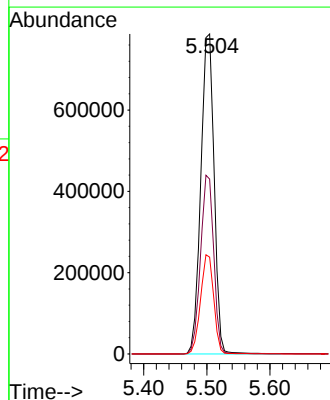
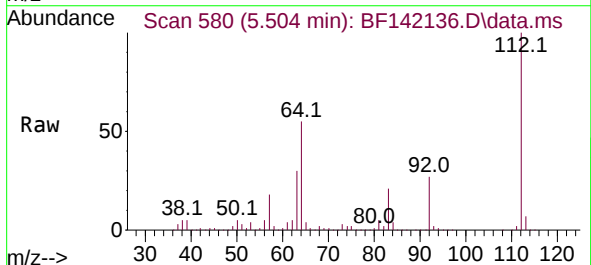
Instrument :
BNA_F
ClientSampleId :
TP-5

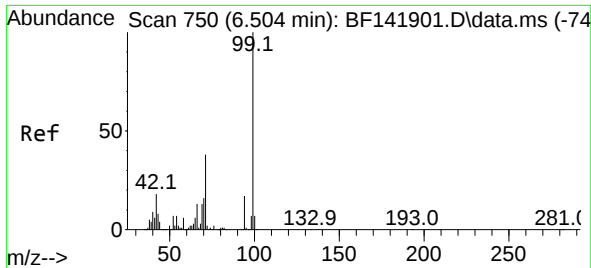
Tgt Ion:152 Resp: 153938
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.2
115 64.3 51.9 77.9



#5
2-Fluorophenol
Concen: 125.022 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

Tgt Ion:112 Resp: 1153156
Ion Ratio Lower Upper
112 100
64 54.6 46.5 69.7
63 30.3 25.4 38.2



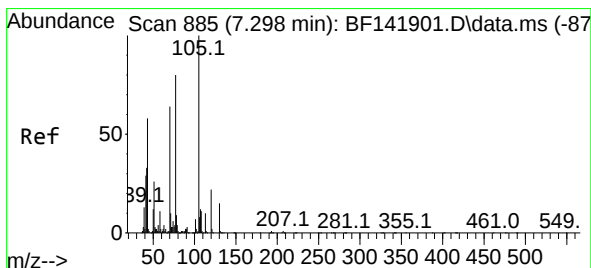
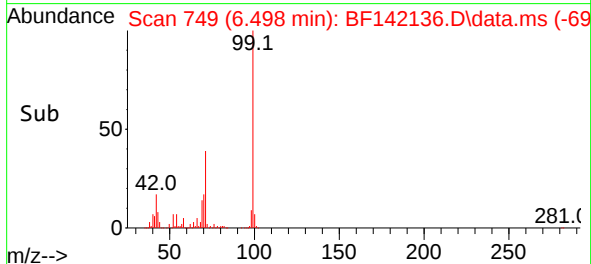
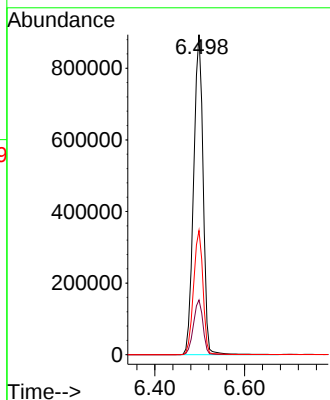
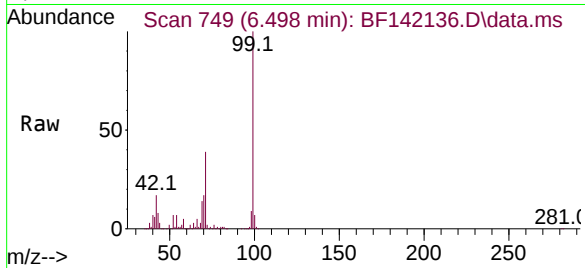


#7
 Phenol-d6
 Concen: 111.737 ng
 RT: 6.498 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: BF142136.D
 Acq: 27 Mar 2025 20:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion: 99 Resp: 1312202

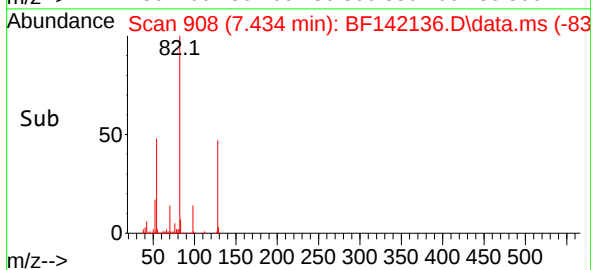
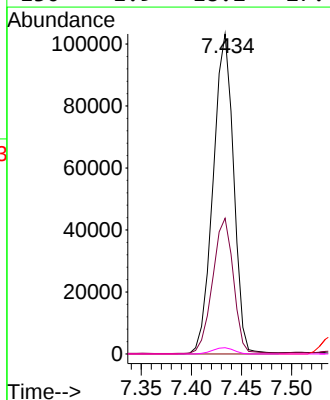
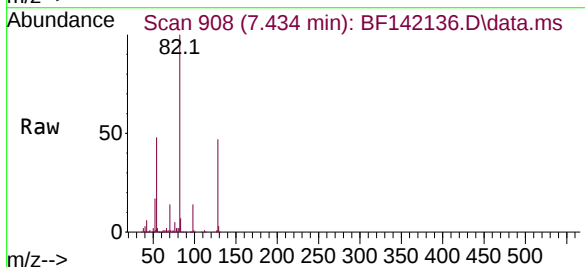
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	38.8	30.8	46.2



#19
 n-Nitroso-di-n-propylamine
 Concen: 19.398 ng
 RT: 7.434 min Scan# 908
 Delta R.T. 0.135 min
 Lab File: BF142136.D
 Acq: 27 Mar 2025 20:42

Tgt Ion: 70 Resp: 146378

Ion	Ratio	Lower	Upper
70	100		
42	42.4	41.4	62.0
101	0.0	8.2	12.2#
130	1.9	18.2	27.4#



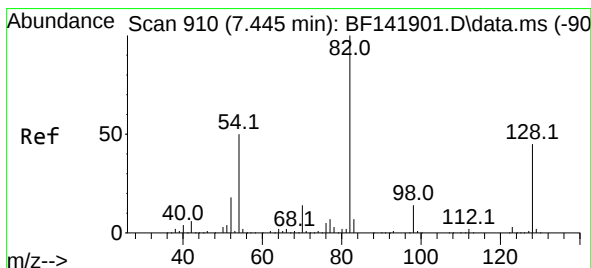
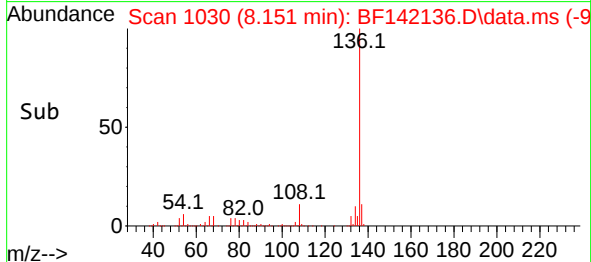
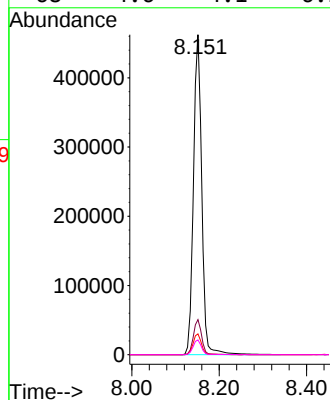
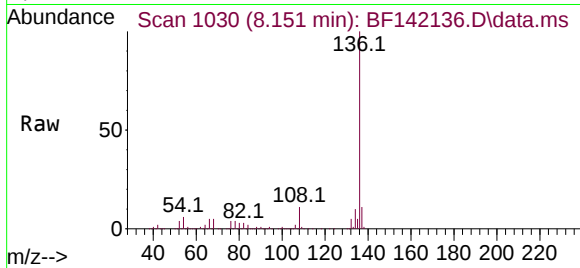


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:136 Resp: 612192

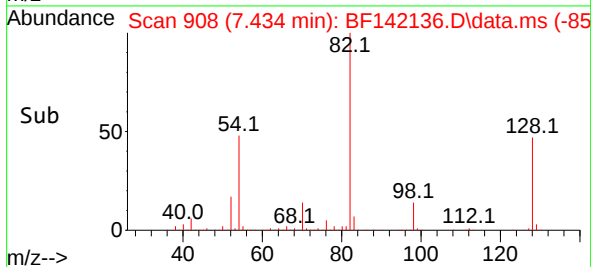
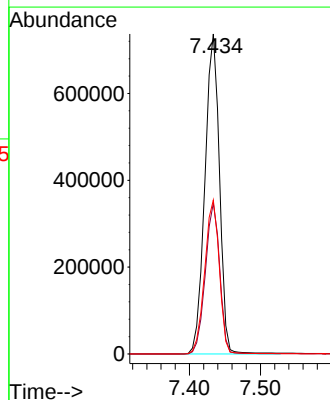
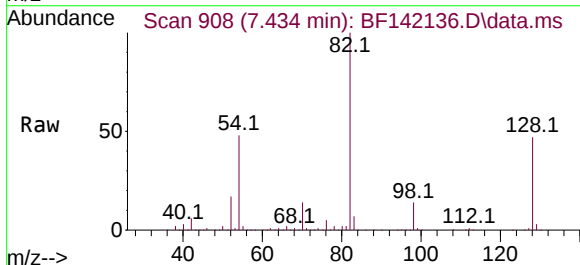
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.8	8.8
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 97.052 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

Tgt Ion: 82 Resp: 1055769

Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.0	54.0
54	48.1	39.6	59.4

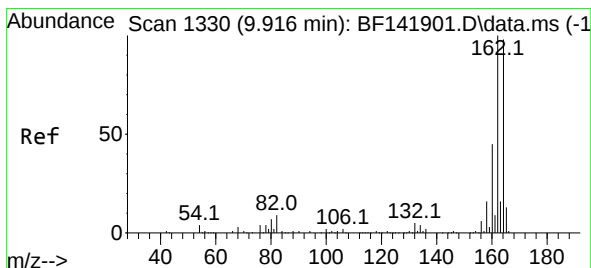
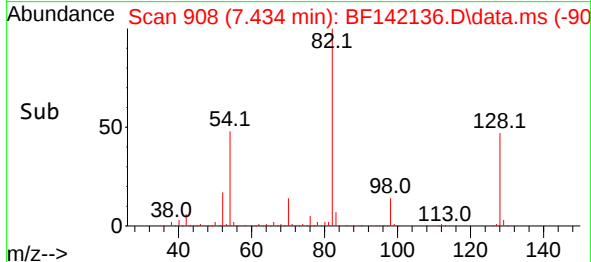
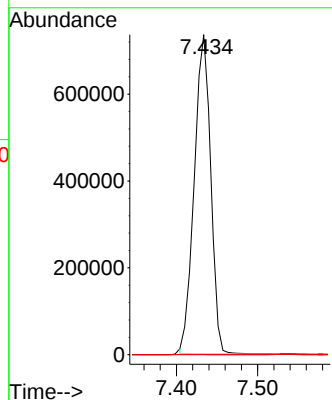
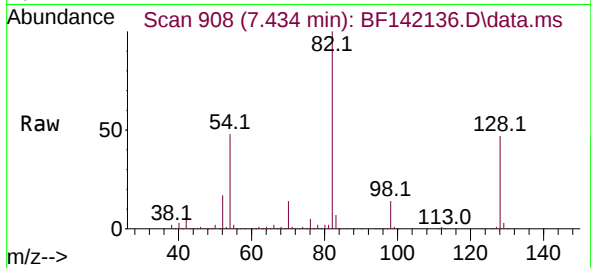




#25
Isophorone
Concen: 53.890 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

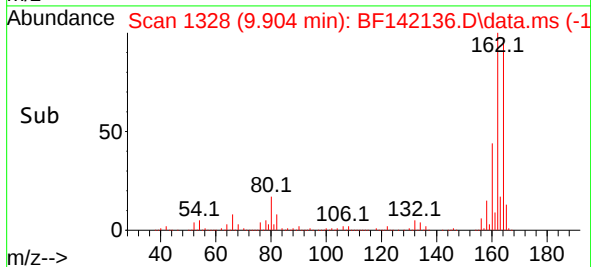
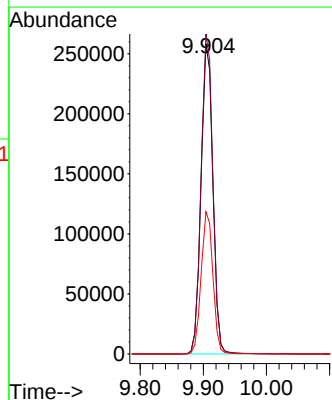
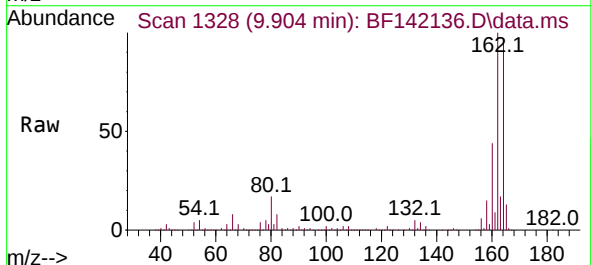
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 1036269
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: BF142136.D
Acq: 27 Mar 2025 20:42

Tgt Ion: 164 Resp: 334175
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 149.489 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142136.D

Acq: 27 Mar 2025 20:42

Instrument :

BNA_F

ClientSampleId :

TP-5

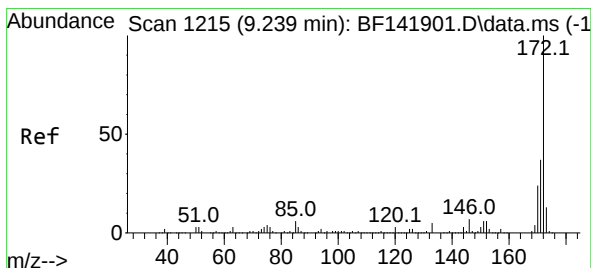
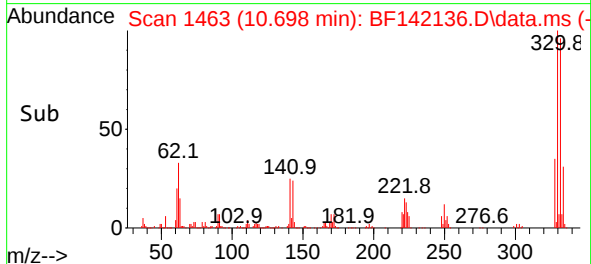
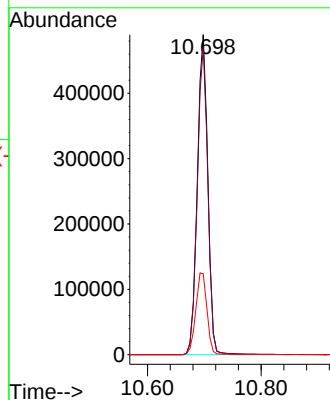
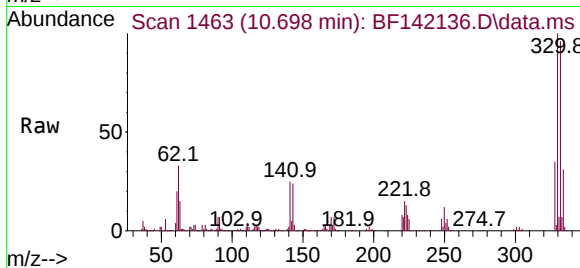
Tgt Ion:330 Resp: 633751

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 27.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 101.568 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142136.D

Acq: 27 Mar 2025 20:42

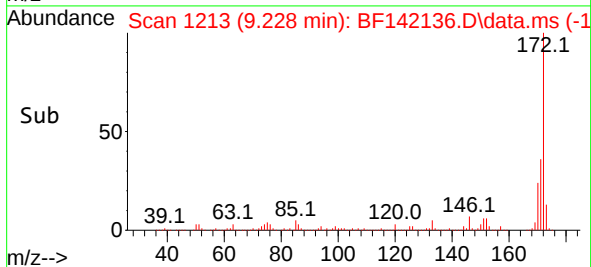
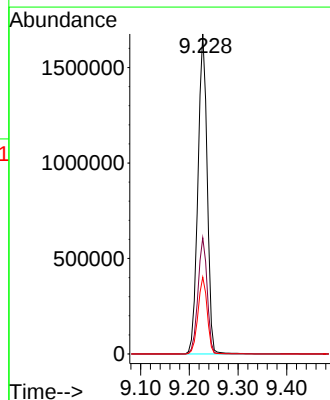
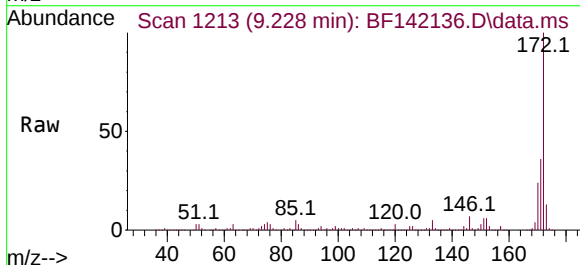
Tgt Ion:172 Resp: 2231796

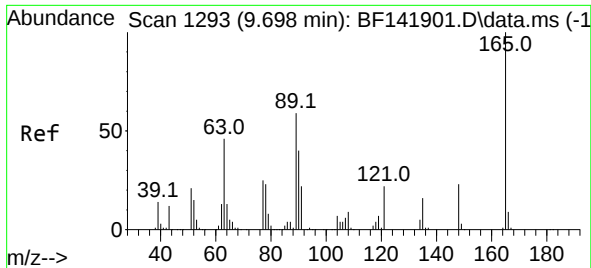
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 24.0 19.4 29.0

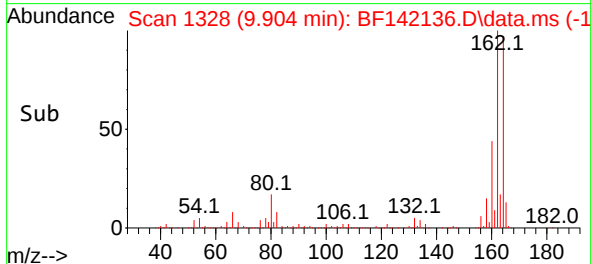
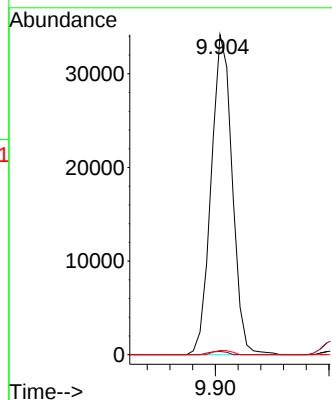
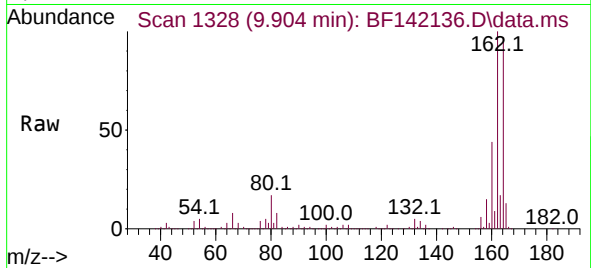




#51
2,6-Dinitrotoluene
Concen: 9.022 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

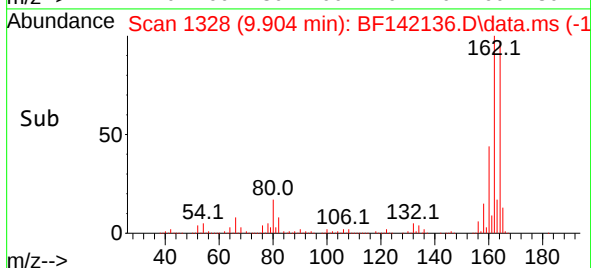
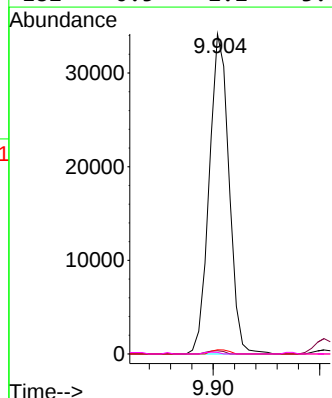
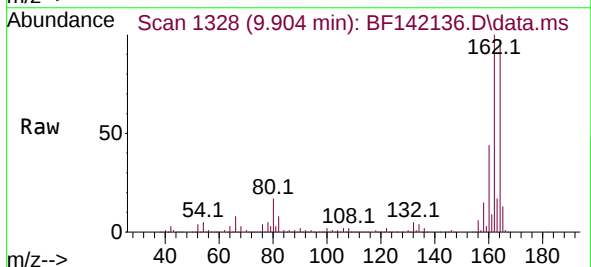
Instrument :
BNA_F
ClientSampleId :
TP-5

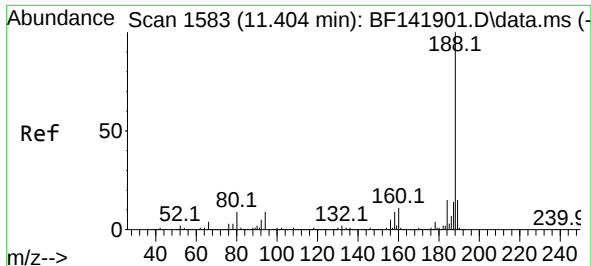
Tgt Ion:165 Resp: 43961
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.908 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

Tgt Ion:165 Resp: 43962
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.3 56.6 84.8#
182 0.5 2.2 3.4#

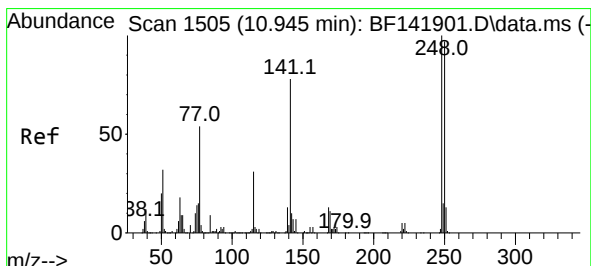
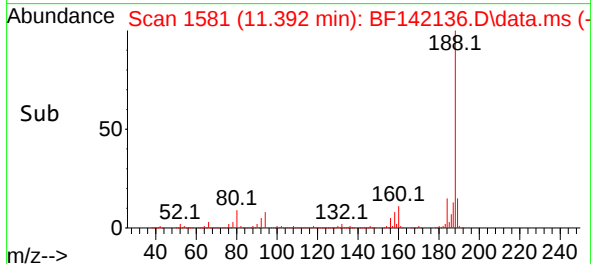
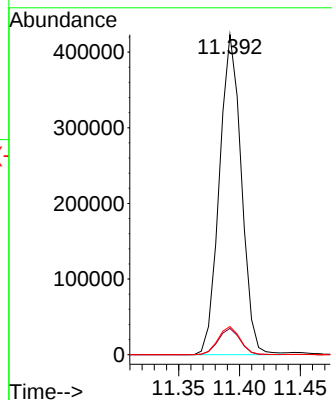
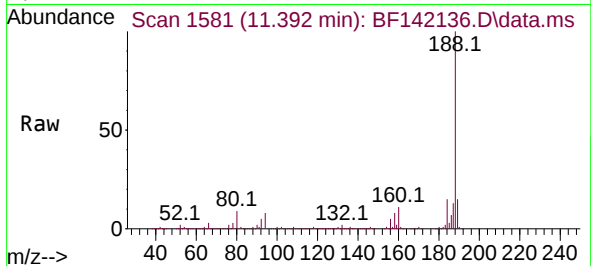




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

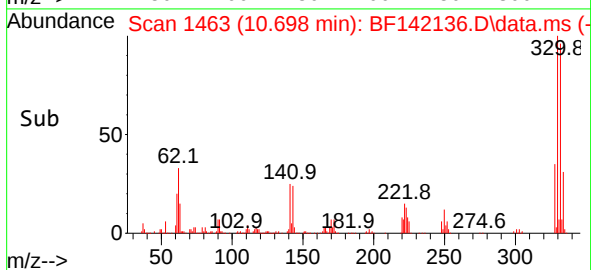
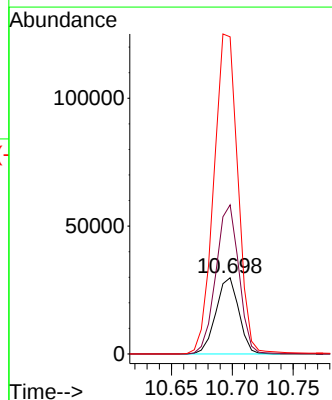
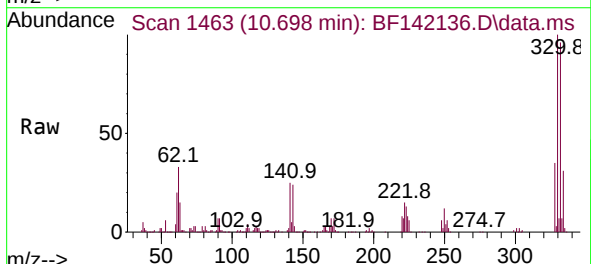
Instrument :
BNA_F
ClientSampleId :
TP-5

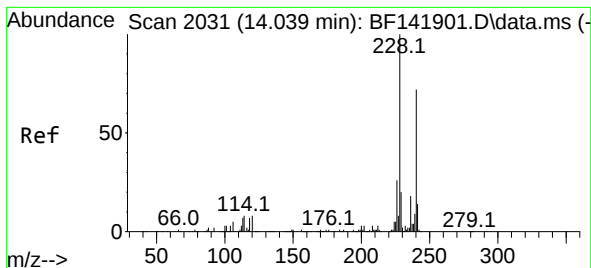
Tgt Ion:188 Resp: 531312
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 8.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.837 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142136.D
Acq: 27 Mar 2025 20:42

Tgt Ion:248 Resp: 38948
Ion Ratio Lower Upper
248 100
250 195.8 77.8 116.8#
141 416.4 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: BF142136.D

Acq: 27 Mar 2025 20:42

Instrument :

BNA_F

ClientSampleId :

TP-5

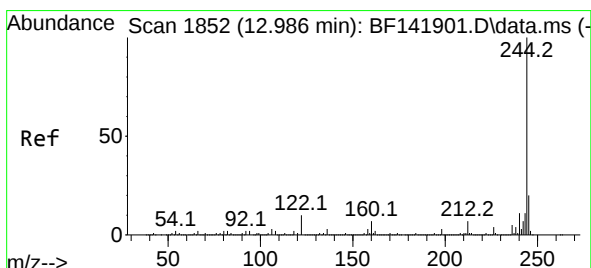
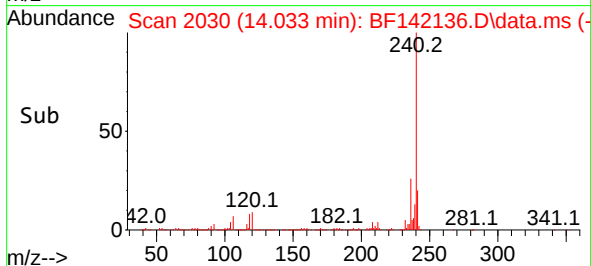
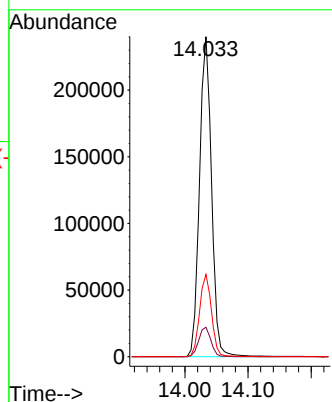
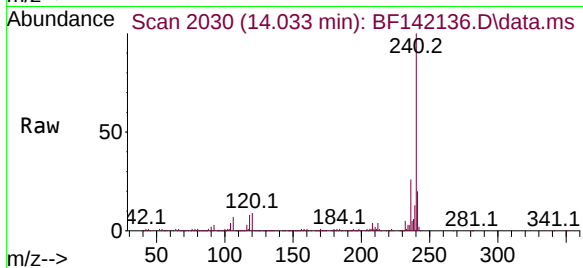
Tgt Ion:240 Resp: 316760

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.7 20.5 30.7



#79

Terphenyl-d14

Concen: 100.677 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142136.D

Acq: 27 Mar 2025 20:42

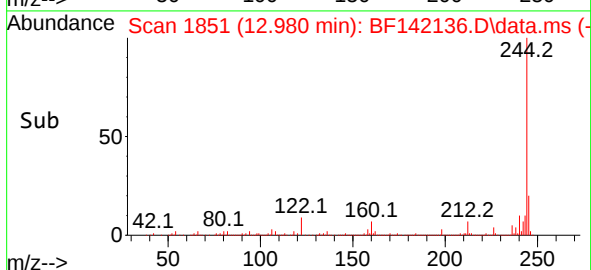
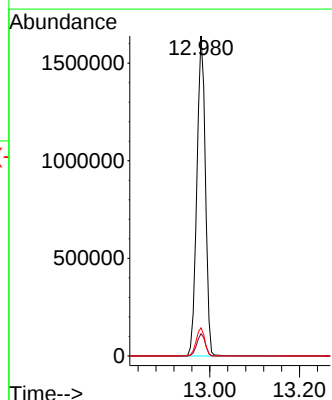
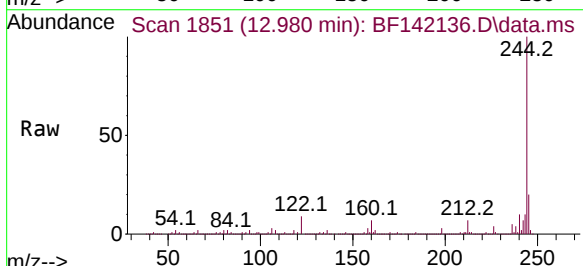
Tgt Ion:244 Resp: 2157023

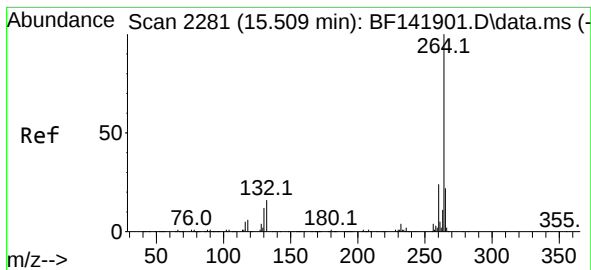
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.8 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: BF142136.D

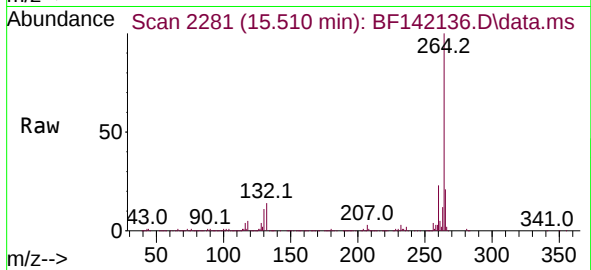
Acq: 27 Mar 2025 20:42

Instrument :

BNA_F

ClientSampleId :

TP-5



Tgt Ion:264 Resp: 326955

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.2 17.5 26.3

