

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142080.D
 Acq On : 25 Mar 2025 16:11
 Operator : RC/JU
 Sample : Q1619-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 25 16:32:29 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)

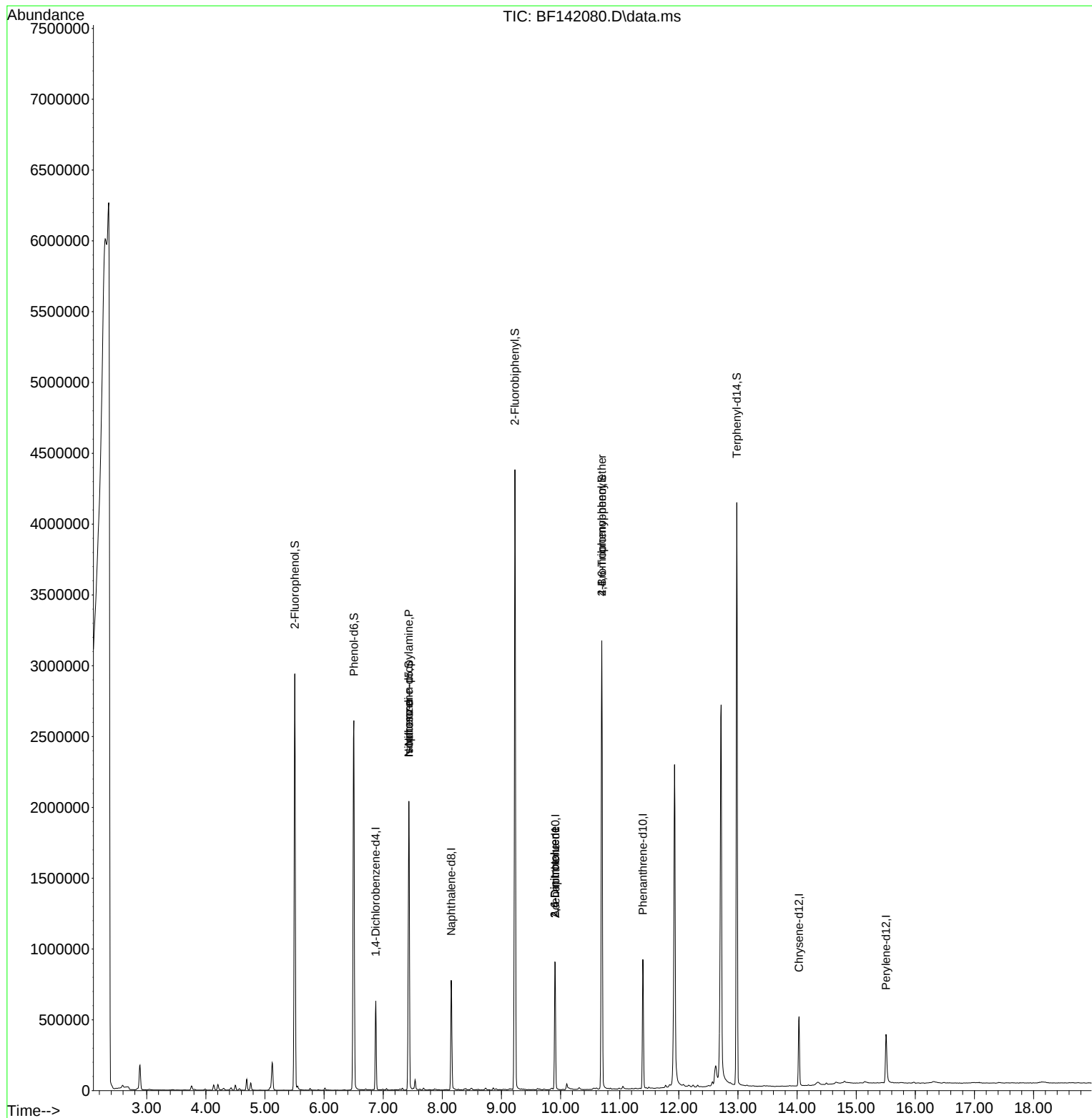
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	130377	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	509707	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	285971	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	468819	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	255710	20.000	ng	0.00
86) Perylene-d12	15.504	264	244451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1176574	150.614	ng	0.01
7) Phenol-d6	6.504	99	1396794	140.434	ng	0.00
23) Nitrobenzene-d5	7.434	82	961440	106.151	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	621559	171.327	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1984622	105.543	ng	-0.01
79) Terphenyl-d14	12.980	244	2080892	120.312	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	134672	21.072	ng	# 77
25) Isophorone	7.434	82	946803	59.137	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	36314	8.709	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	36314	6.668	ng	# 25
67) 4-Bromophenyl-phenylether	10.698	248	38133	6.477	ng	# 1

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

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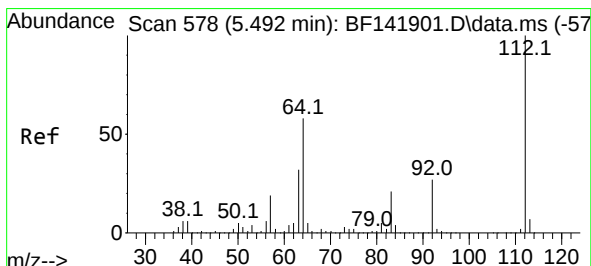
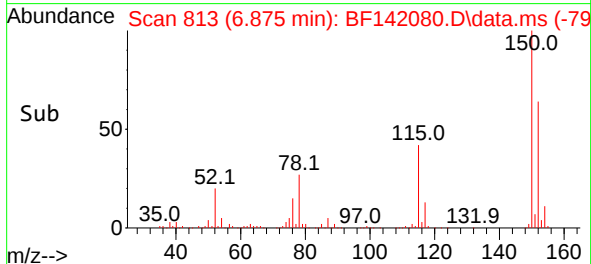
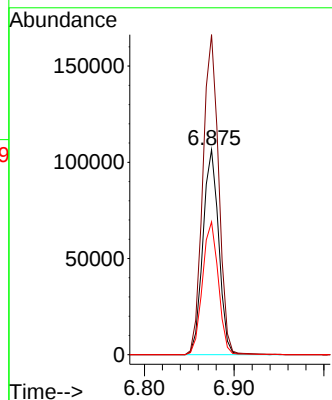
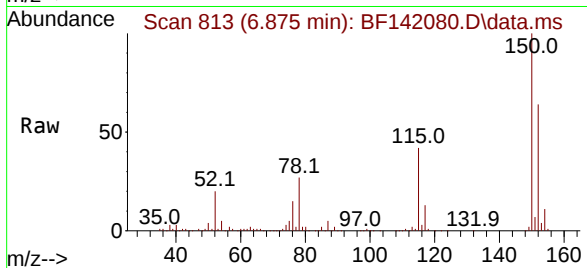




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

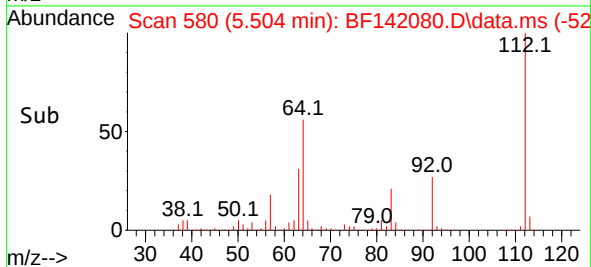
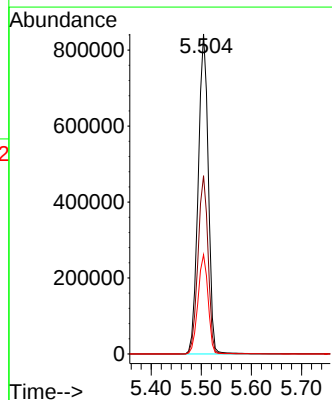
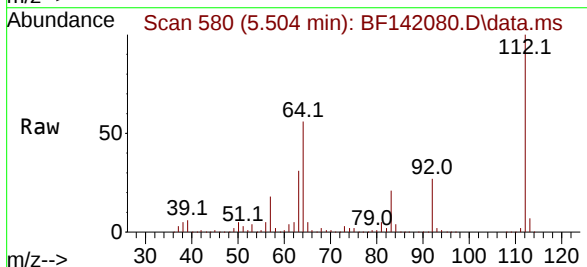
Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:152 Resp: 130377
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.2
115 64.8 51.9 77.9



#5
2-Fluorophenol
Concen: 150.614 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

Tgt Ion:112 Resp: 1176574
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 31.0 25.4 38.2



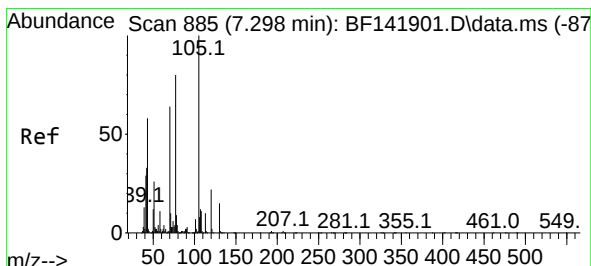
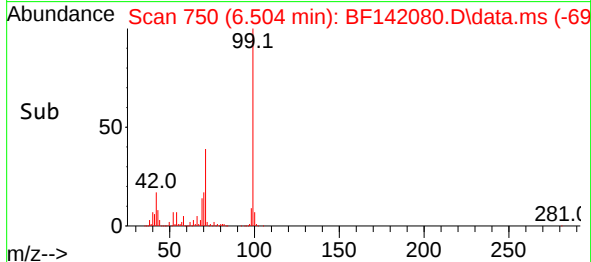
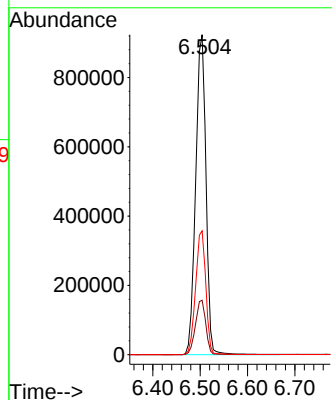
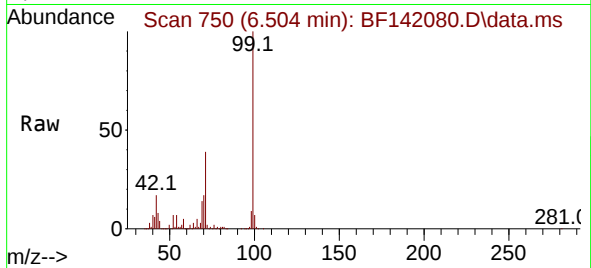


#7
Phenol-d6
Concen: 140.434 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 99 Resp: 1396794

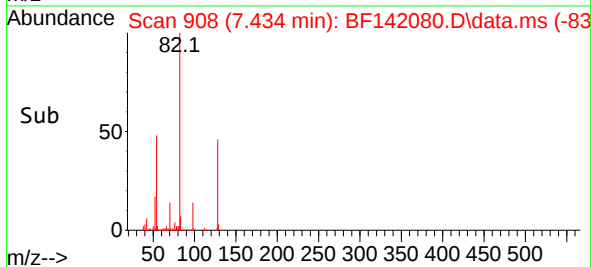
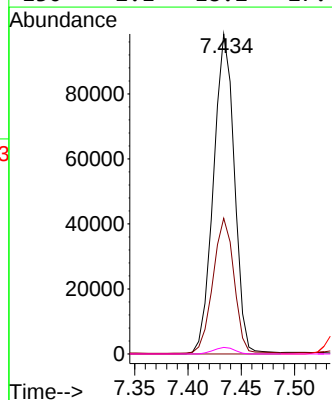
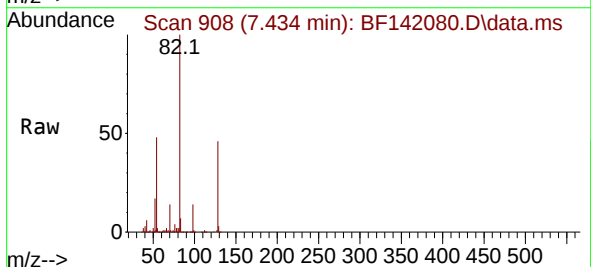
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.7	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.072 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

Tgt Ion: 70 Resp: 134672

Ion	Ratio	Lower	Upper
70	100		
42	42.4	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#

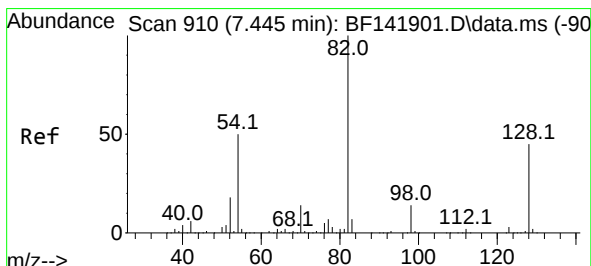
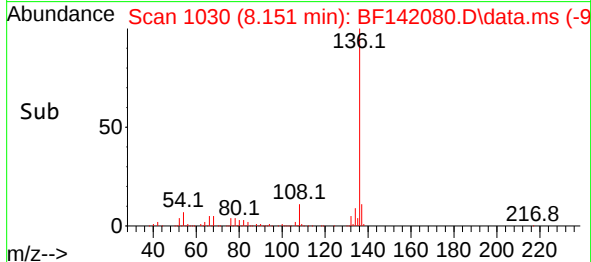
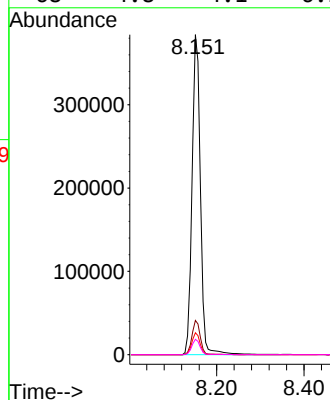
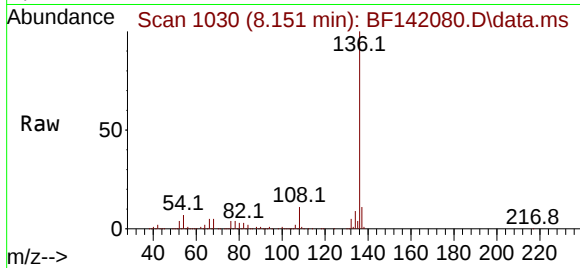




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

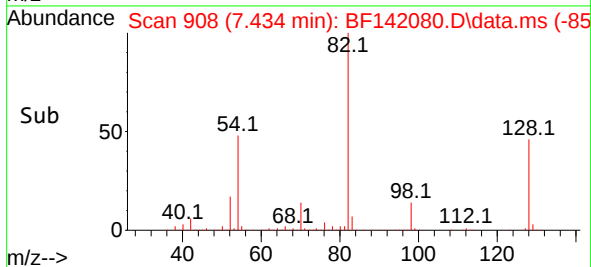
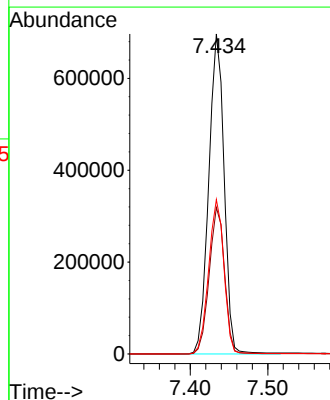
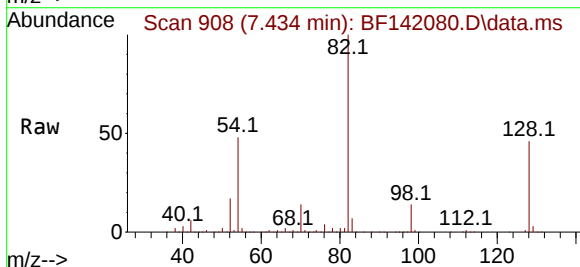
Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:	136	Resp:	509707
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.9	5.8	8.8
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 106.151 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

Tgt Ion:	82	Resp:	961440
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.0	54.0
54	48.2	39.6	59.4

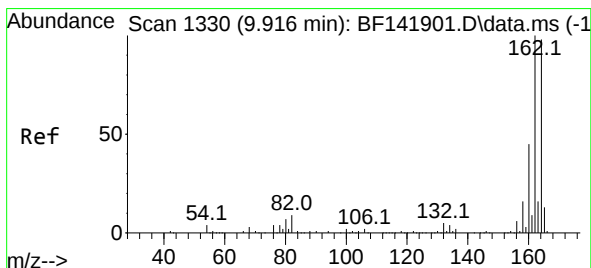
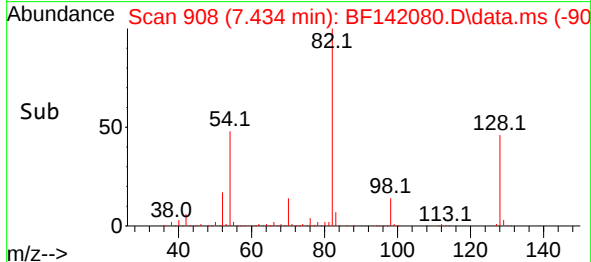
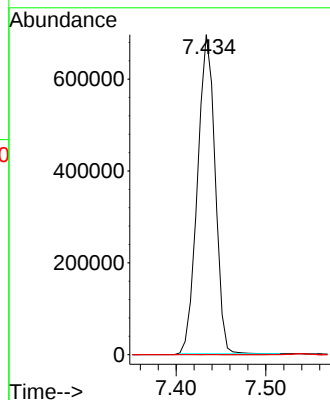
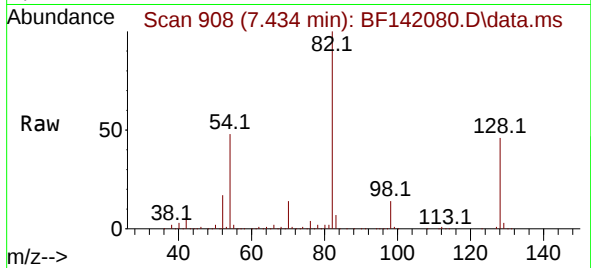




#25
Isophorone
Concen: 59.137 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

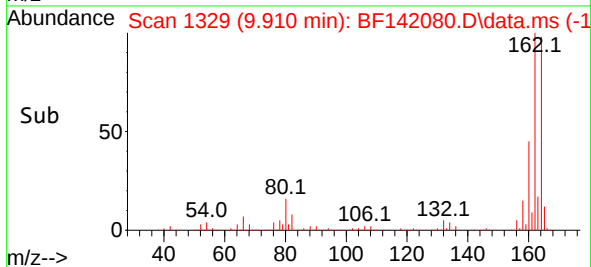
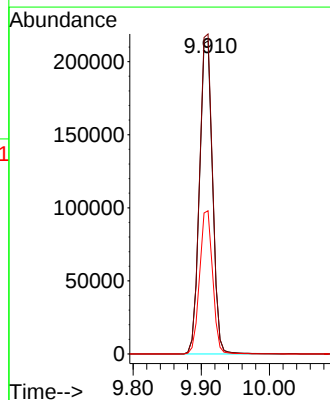
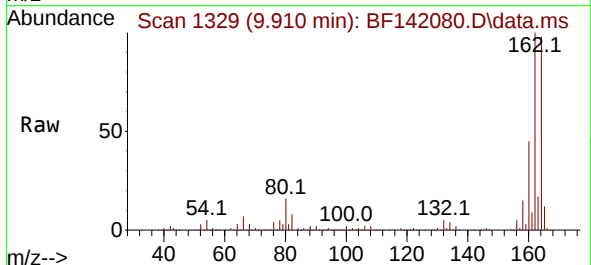
Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 82 Resp: 946803
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: BF142080.D
Acq: 25 Mar 2025 16:11

Tgt Ion:164 Resp: 285971
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 171.327 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142080.D

Acq: 25 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

TP-2

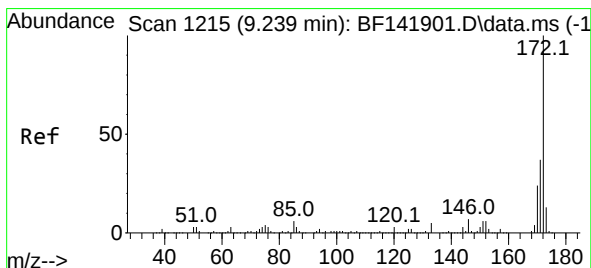
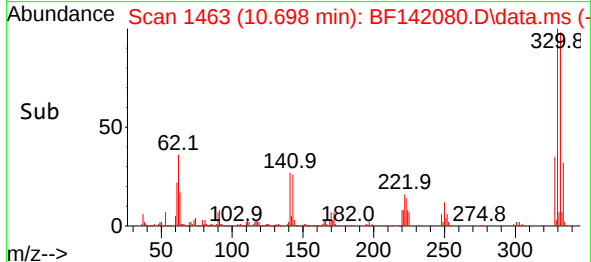
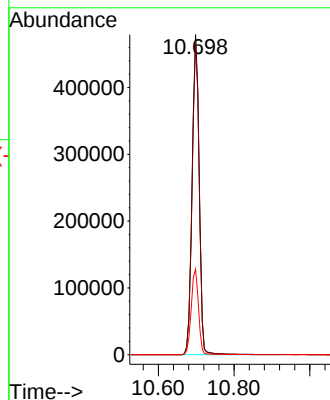
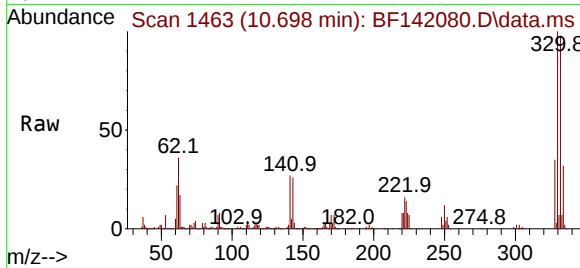
Tgt Ion:330 Resp: 621559

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 27.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 105.543 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142080.D

Acq: 25 Mar 2025 16:11

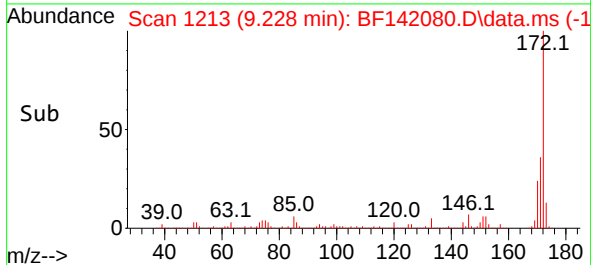
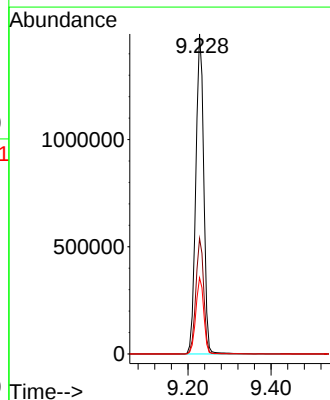
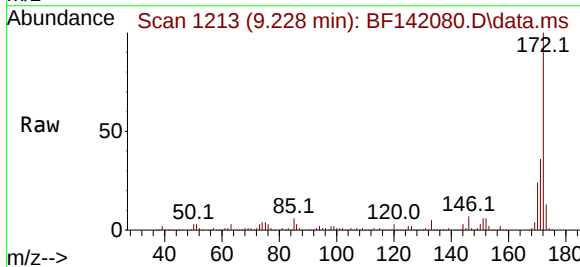
Tgt Ion:172 Resp: 1984622

Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 23.8 19.4 29.0

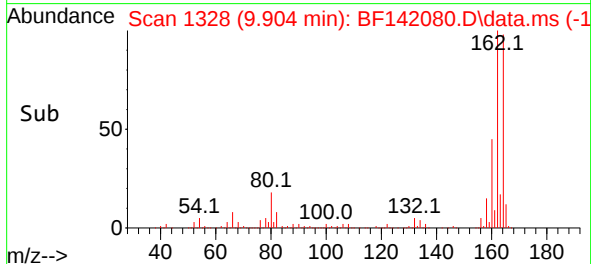
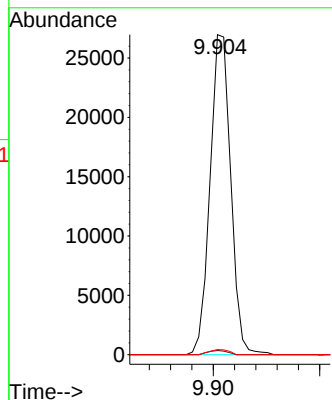
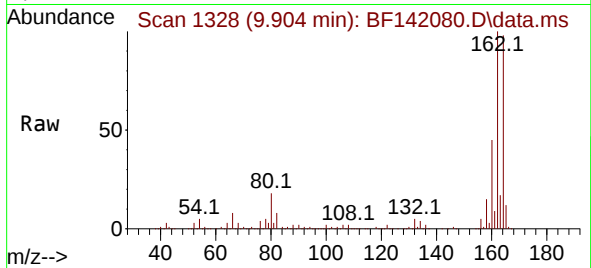




#51
2,6-Dinitrotoluene
Concen: 8.709 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

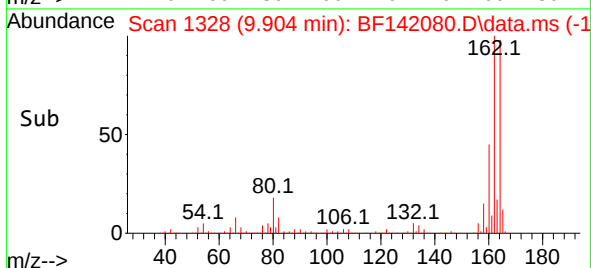
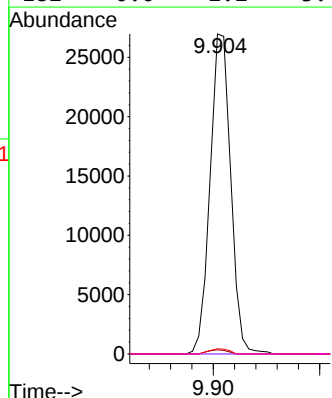
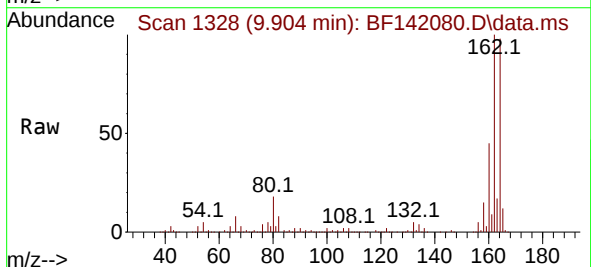
Instrument :
BNA_F
ClientSampleId :
TP-2

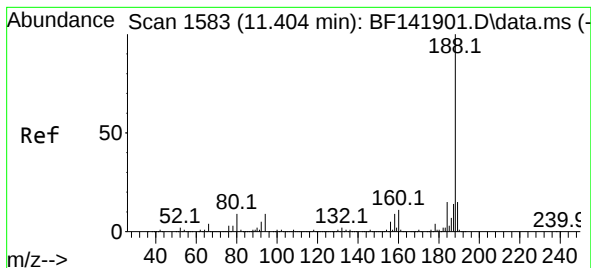
Tgt Ion:165 Resp: 36314
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.6 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.668 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142080.D
Acq: 25 Mar 2025 16:11

Tgt Ion:165 Resp: 36314
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.6 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: BF142080.D

Acq: 25 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

TP-2

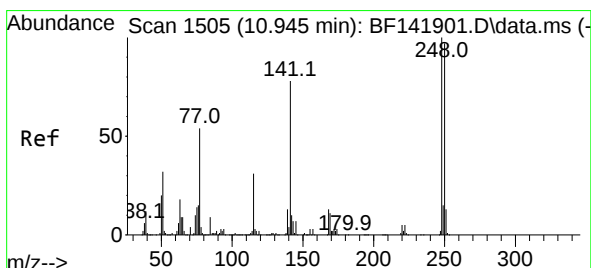
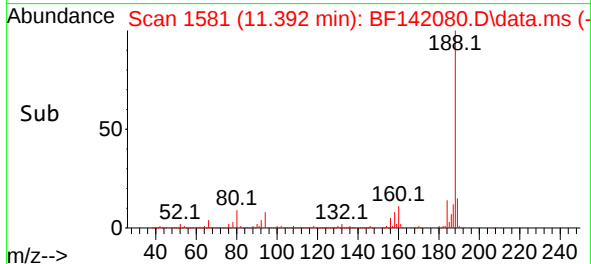
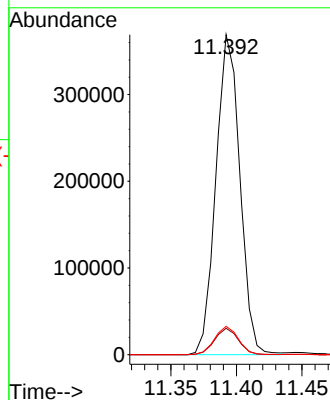
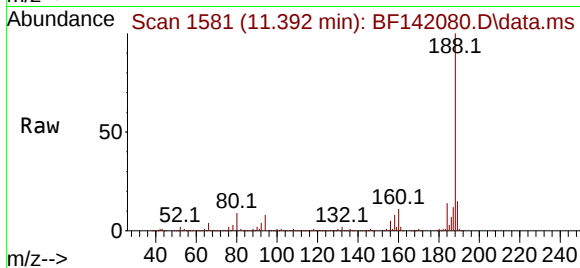
Tgt Ion:188 Resp: 468819

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: 6.477 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142080.D

Acq: 25 Mar 2025 16:11

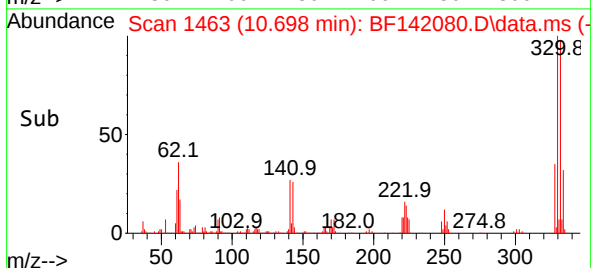
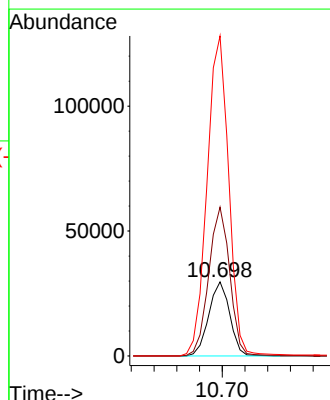
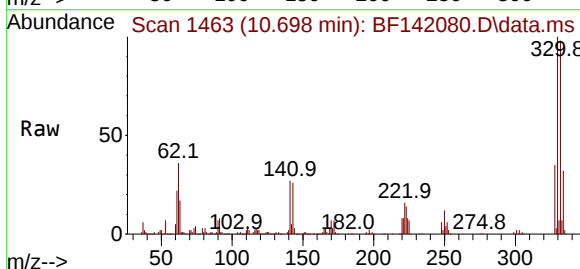
Tgt Ion:248 Resp: 38133

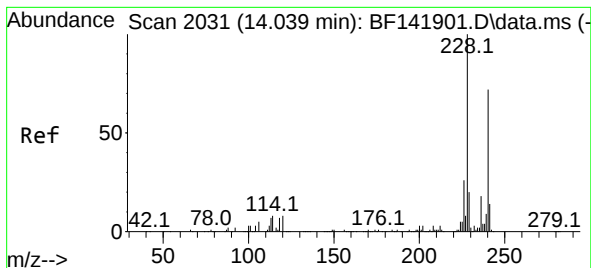
Ion Ratio Lower Upper

248 100

250 200.8 77.8 116.8#

141 431.6 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: BF142080.D

Acq: 25 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

TP-2

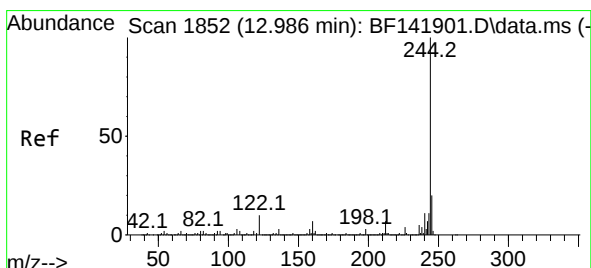
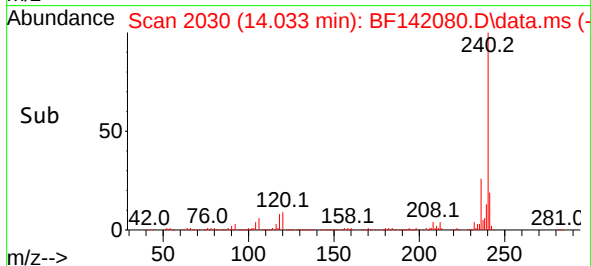
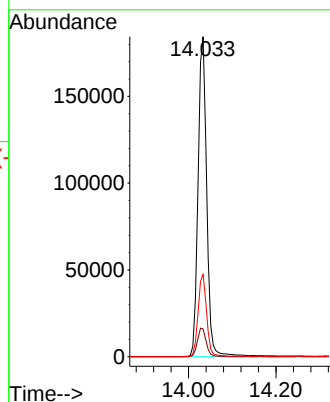
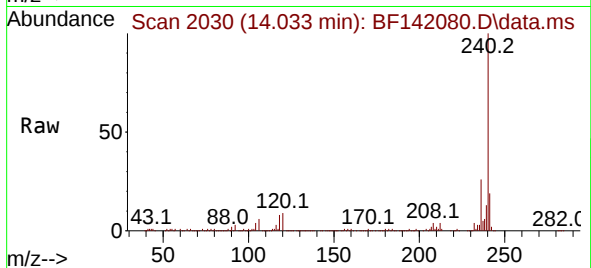
Tgt Ion:240 Resp: 255710

Ion Ratio Lower Upper

240 100

120 8.7 8.4 12.6

236 25.7 20.5 30.7



#79

Terphenyl-d14

Concen: 120.312 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142080.D

Acq: 25 Mar 2025 16:11

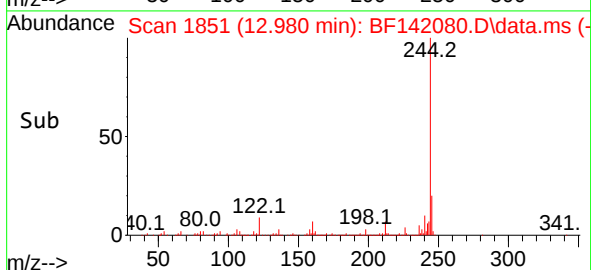
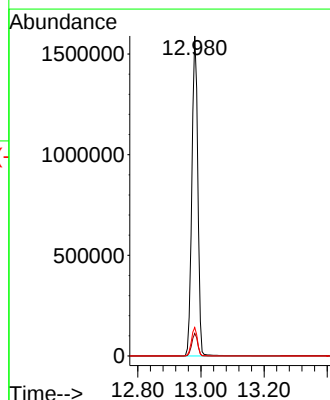
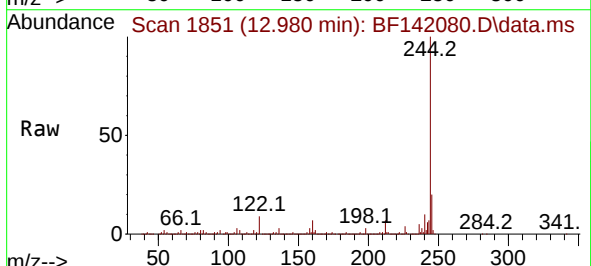
Tgt Ion:244 Resp: 2080892

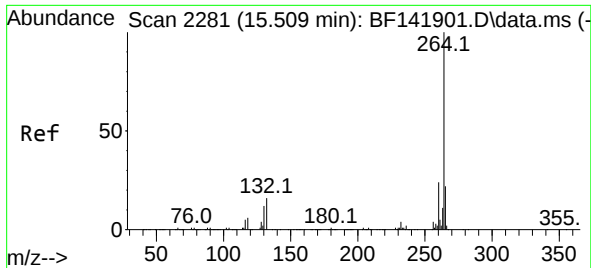
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.9 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142080.D
 Acq: 25 Mar 2025 16:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:264 Resp: 244451
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.1 28.7
 265 21.6 17.5 26.3

