

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142176.D
 Acq On : 31 Mar 2025 12:52
 Operator : RC/JU
 Sample : PB167369BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167369BL

Quant Time: Mar 31 13:28:47 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)

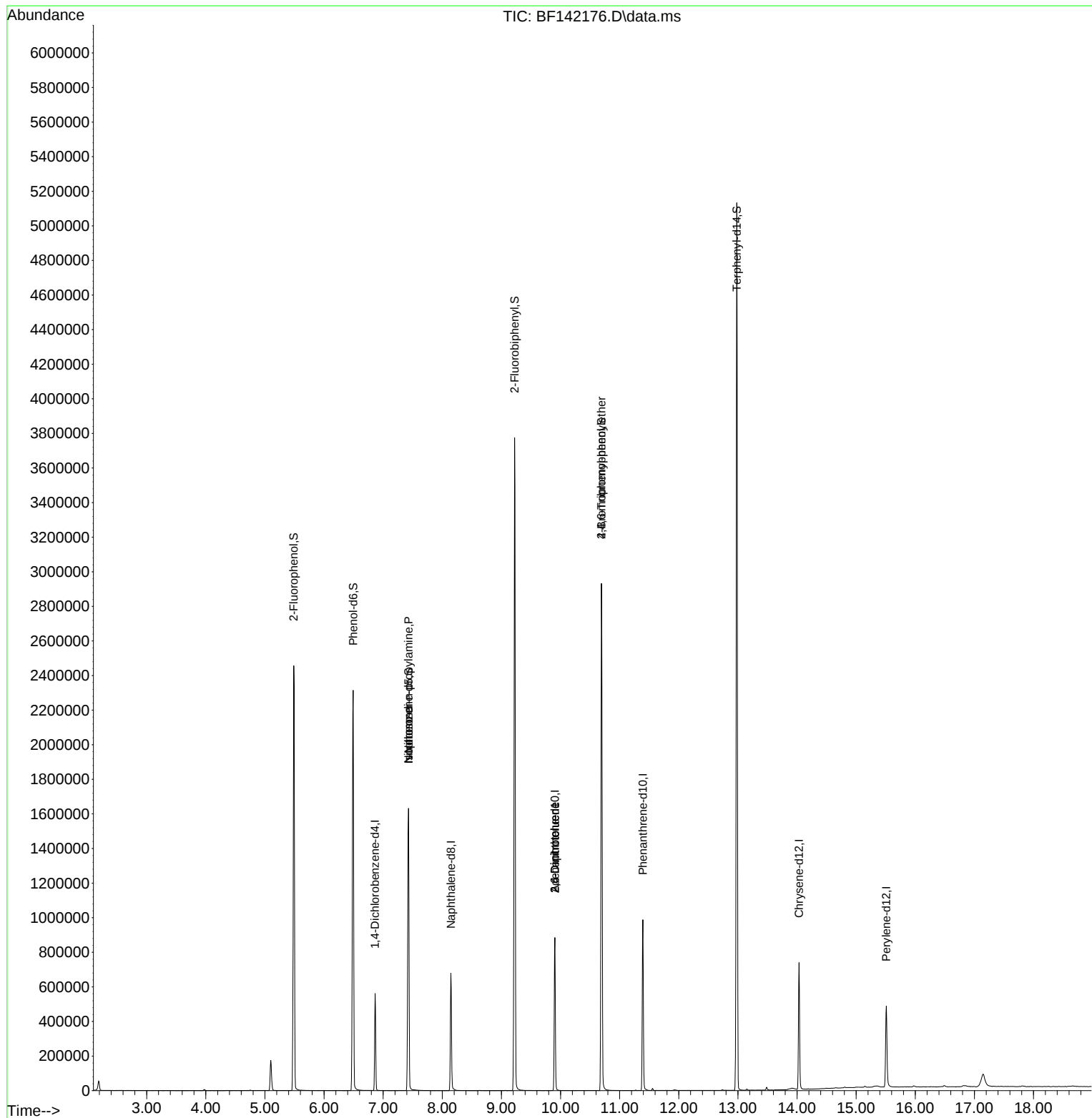
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	118498	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	472340	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	277856	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	534727	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	378101	20.000	ng	0.00
86) Perylene-d12	15.510	264	303471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1005458	141.612	ng	0.00
7) Phenol-d6	6.493	99	1224924	135.500	ng	-0.01
23) Nitrobenzene-d5	7.428	82	807804	96.244	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	599926	170.193	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1755583	96.090	ng	-0.02
79) Terphenyl-d14	12.980	244	2623632	102.589	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	110825	19.079	ng	# 77
25) Isophorone	7.428	82	799693	53.900	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	35238	8.698	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	35238	6.660	ng	# 24
67) 4-Bromophenyl-phenylether	10.692	248	36776	5.476	ng	# 1

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

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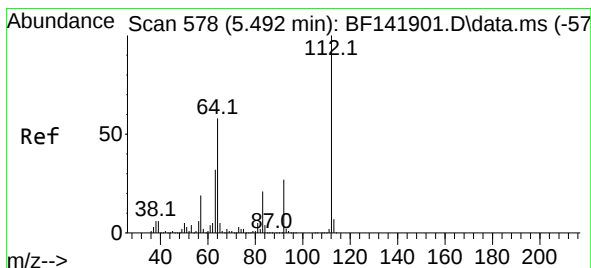
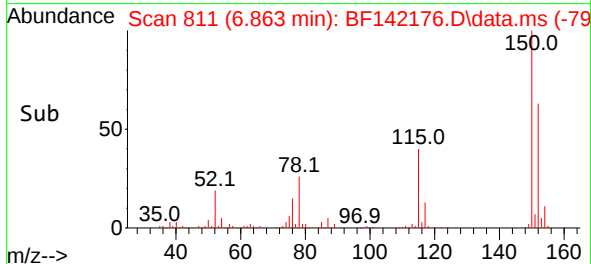
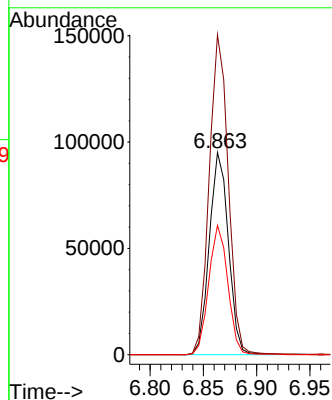
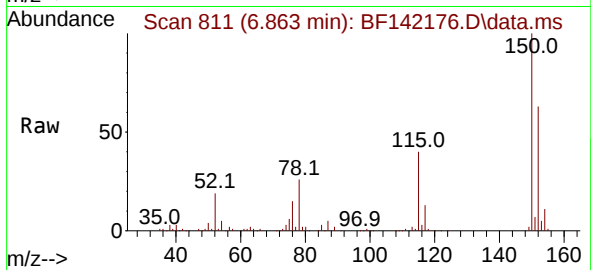




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

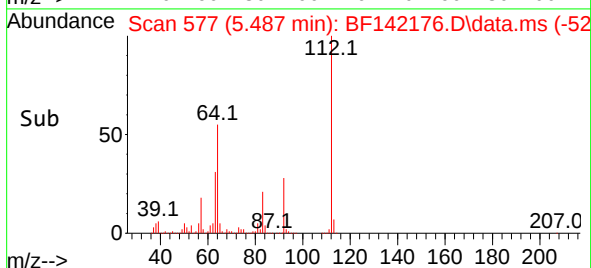
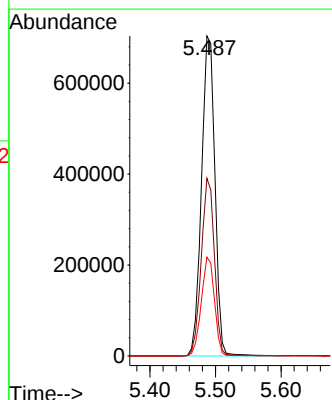
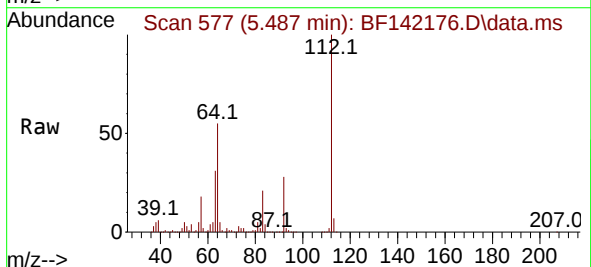
Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion:152 Resp: 118498
Ion Ratio Lower Upper
152 100
150 158.3 127.4 191.2
115 64.0 51.9 77.9



#5
2-Fluorophenol
Concen: 141.612 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:112 Resp: 1005458
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 30.9 25.4 38.2

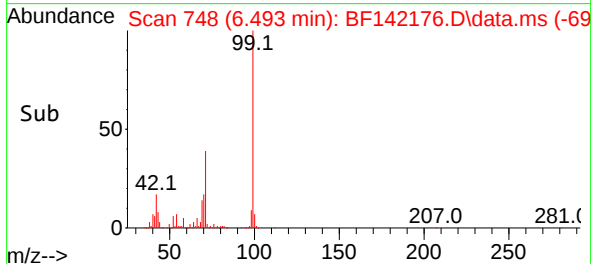
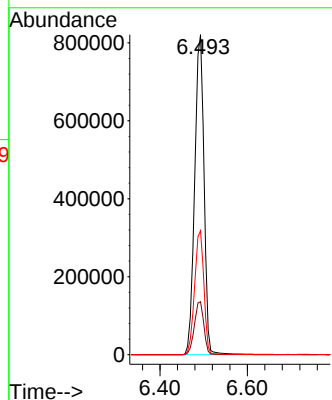
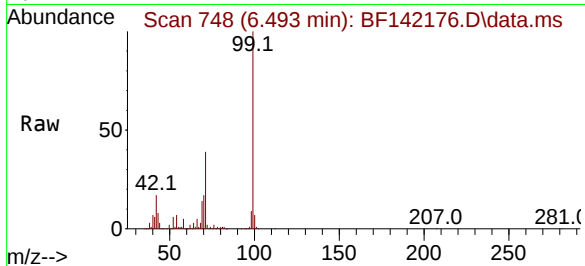




#7
Phenol-d6
Concen: 135.500 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.011 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

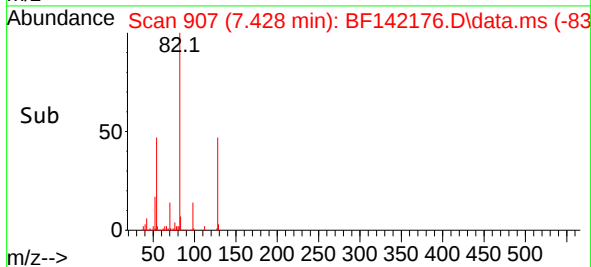
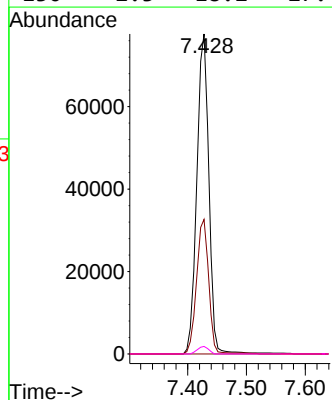
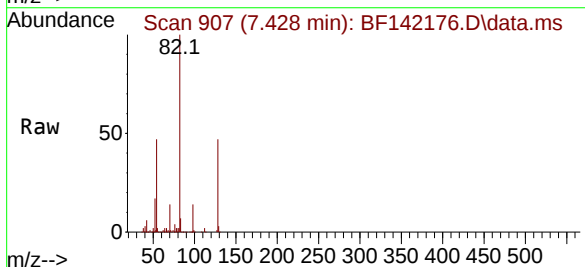
Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion: 99 Resp: 1224924
Ion Ratio Lower Upper
99 100
42 16.6 14.6 21.8
71 38.8 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.079 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion: 70 Resp: 110825
Ion Ratio Lower Upper
70 100
42 42.1 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#

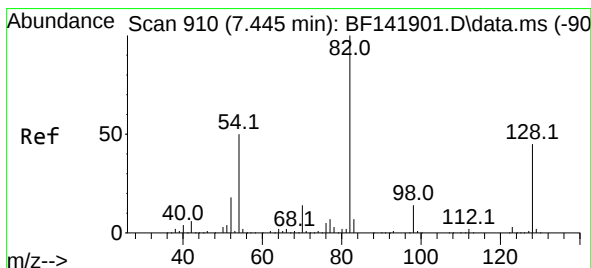
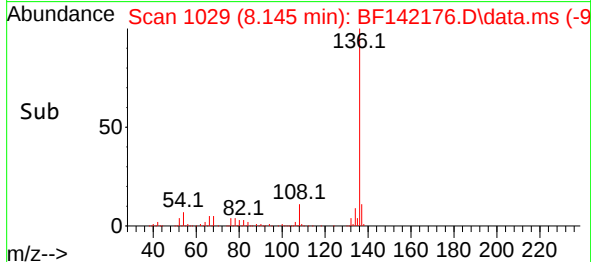
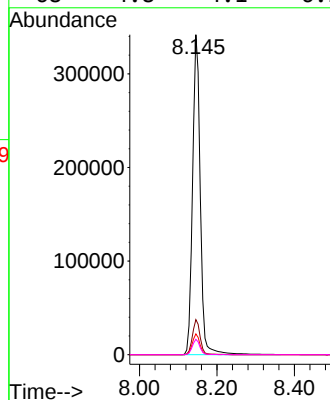
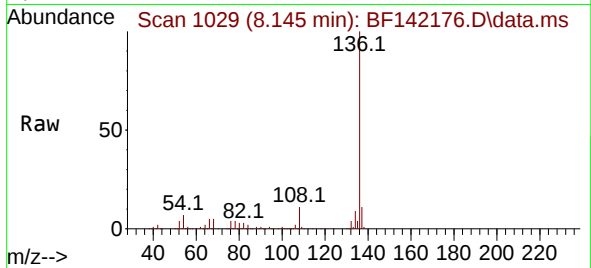




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

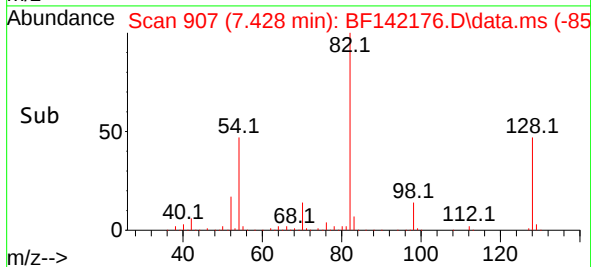
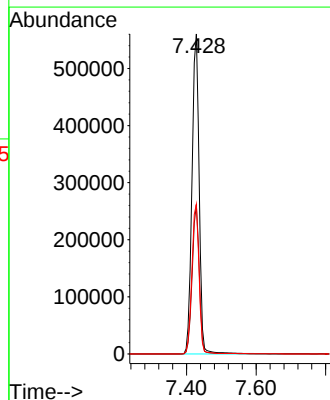
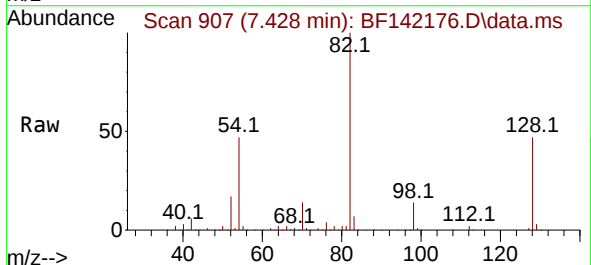
Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion:136 Resp: 472340
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 96.244 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.017 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion: 82 Resp: 807804
Ion Ratio Lower Upper
82 100
128 46.6 36.0 54.0
54 46.8 39.6 59.4

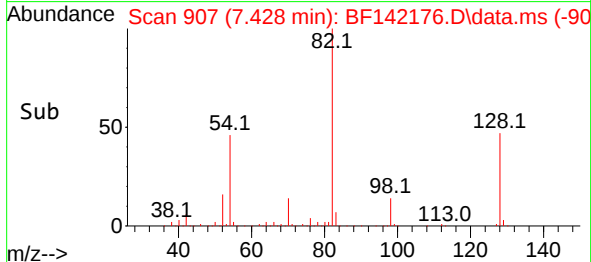
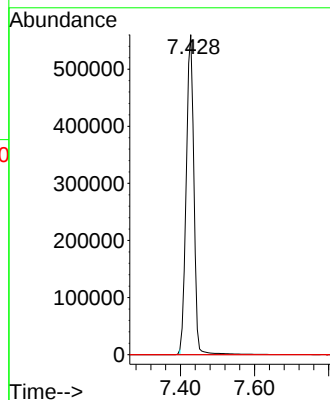
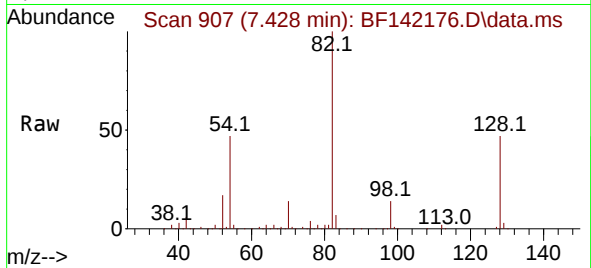




#25
Isophorone
Concen: 53.900 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

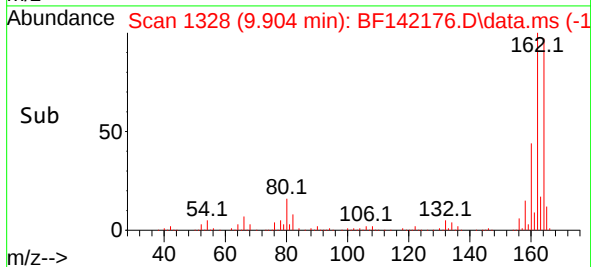
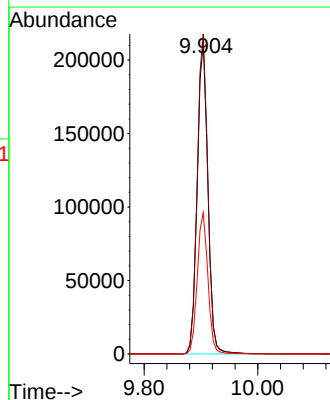
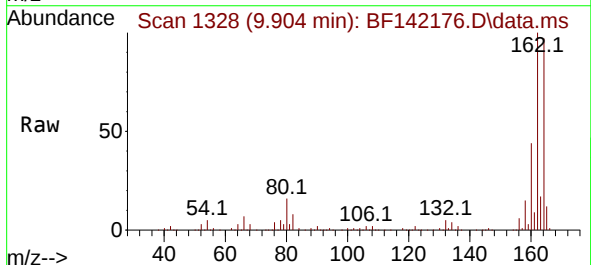
Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion: 82 Resp: 799693
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: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion: 164 Resp: 277856
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 170.193 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.011 min

Lab File: BF142176.D

Acq: 31 Mar 2025 12:52

Instrument :

BNA_F

ClientSampleId :

PB167369BL

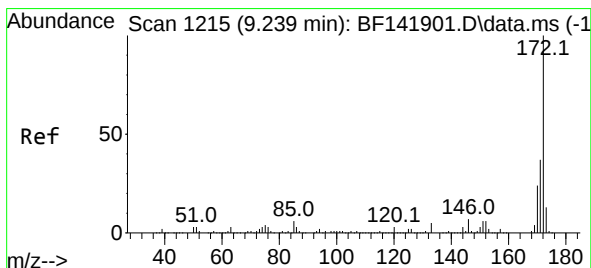
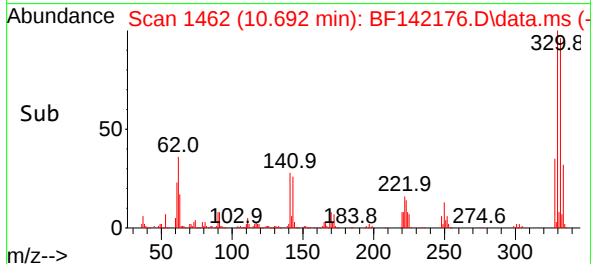
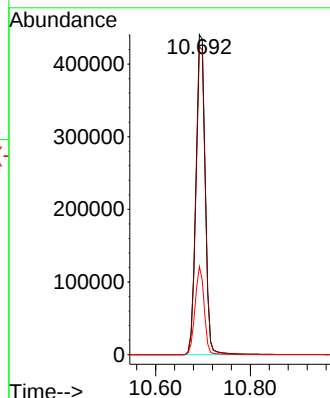
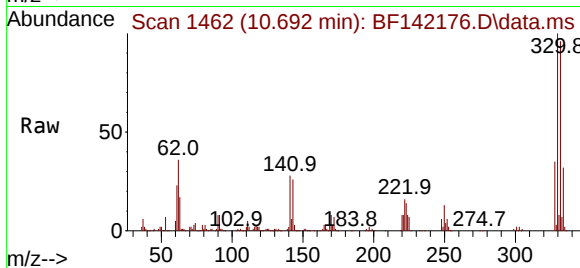
Tgt Ion:330 Resp: 599926

Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 27.0 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 96.090 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.017 min

Lab File: BF142176.D

Acq: 31 Mar 2025 12:52

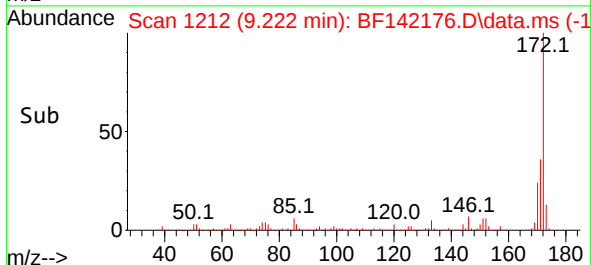
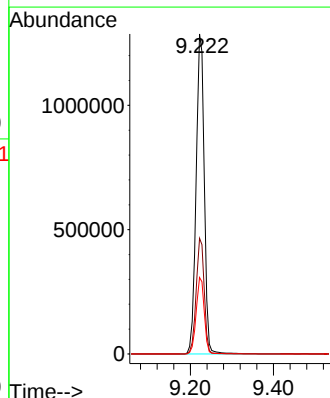
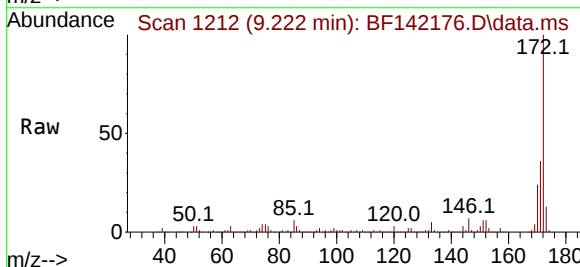
Tgt Ion:172 Resp: 1755583

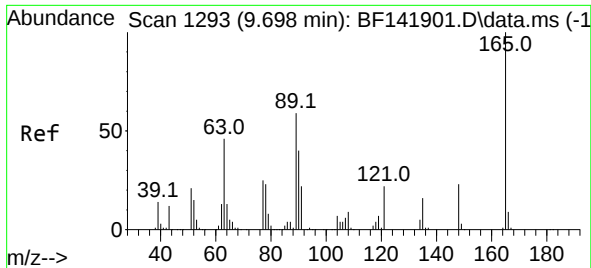
Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.9 19.4 29.0

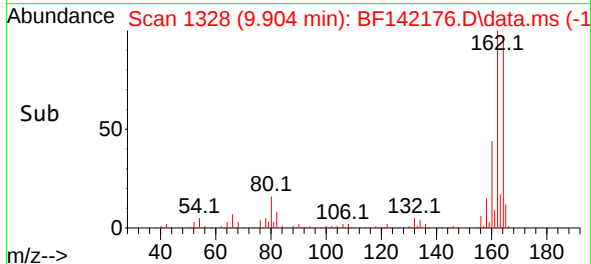
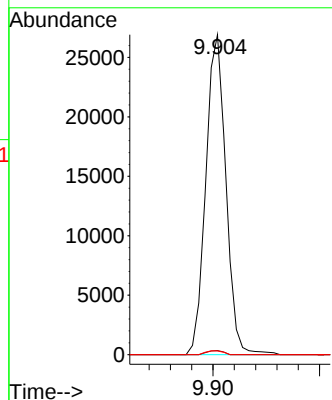
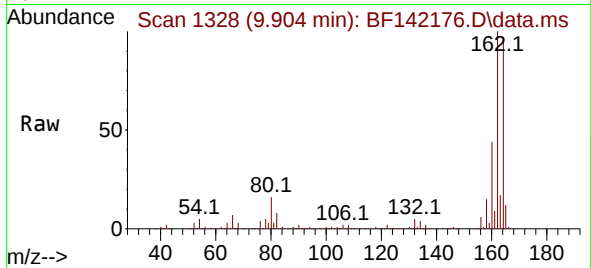




#51
2,6-Dinitrotoluene
Concen: 8.698 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

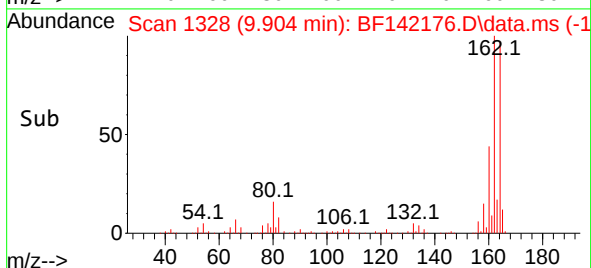
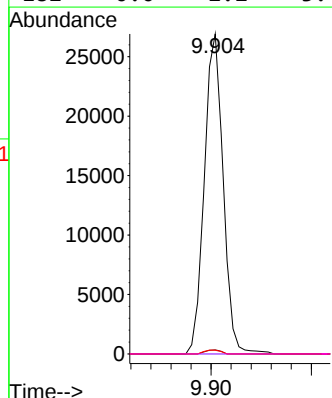
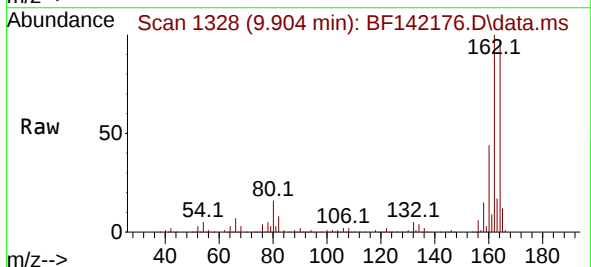
Instrument :
BNA_F
ClientSampleId :
PB167369BL

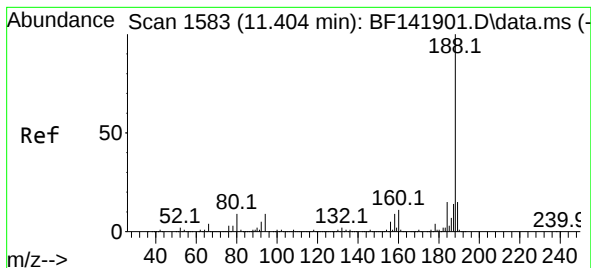
Tgt Ion:165 Resp: 35238
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.660 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:165 Resp: 35238
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.2 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: BF142176.D

Acq: 31 Mar 2025 12:52

Instrument :

BNA_F

ClientSampleId :

PB167369BL

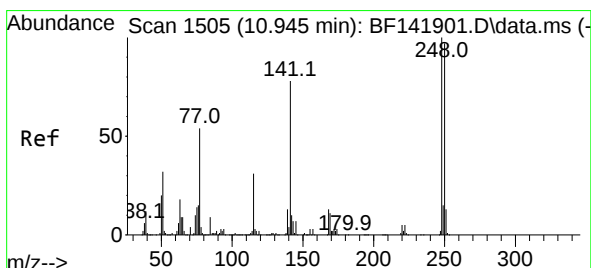
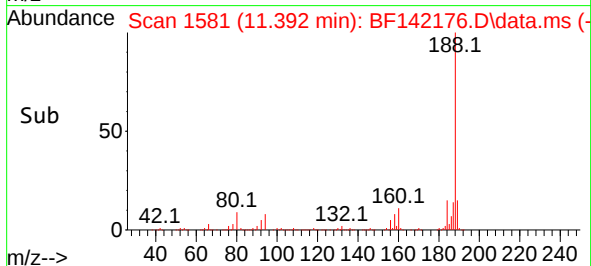
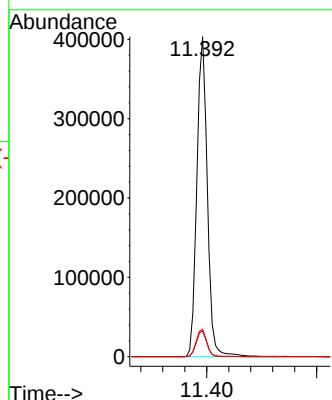
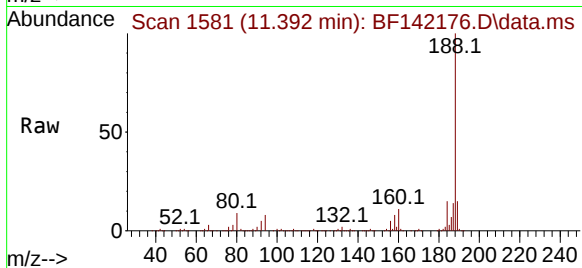
Tgt Ion:188 Resp: 534727

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.6 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.476 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.253 min

Lab File: BF142176.D

Acq: 31 Mar 2025 12:52

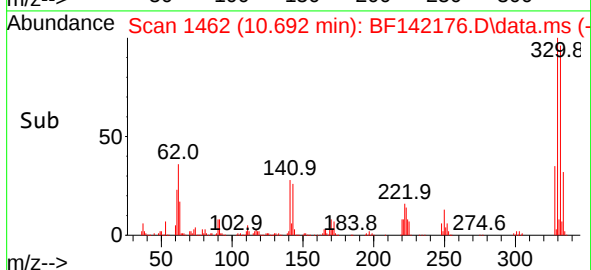
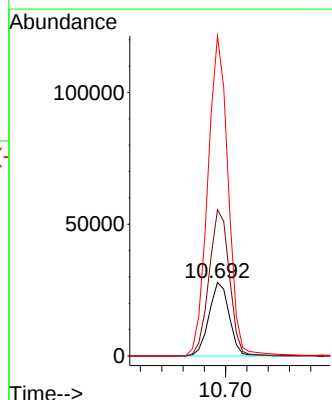
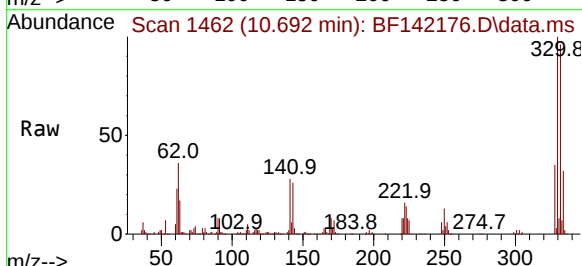
Tgt Ion:248 Resp: 36776

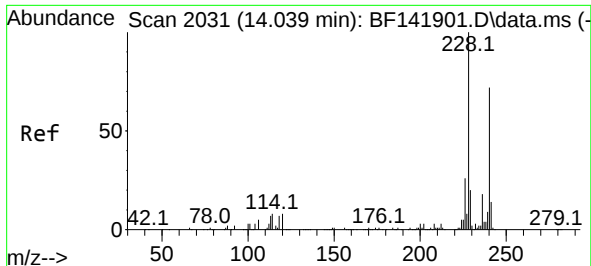
Ion Ratio Lower Upper

248 100

250 198.7 77.8 116.8#

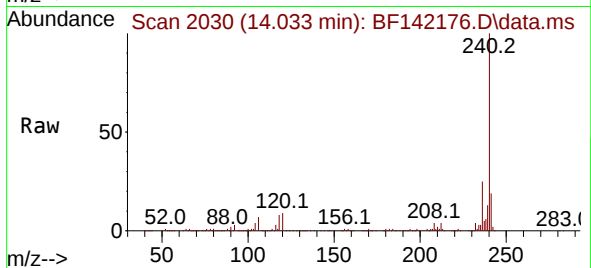
141 435.1 62.6 93.8#



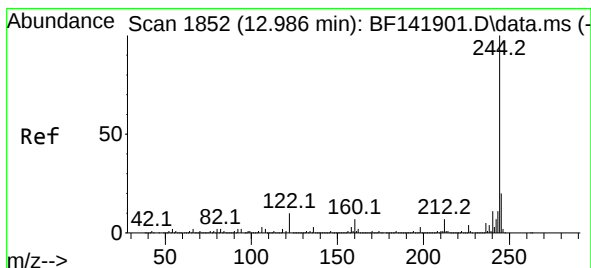
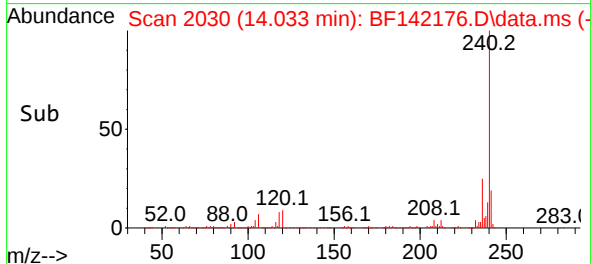
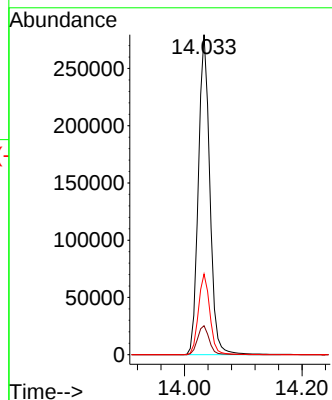


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Instrument :
BNA_F
ClientSampleId :
PB167369BL

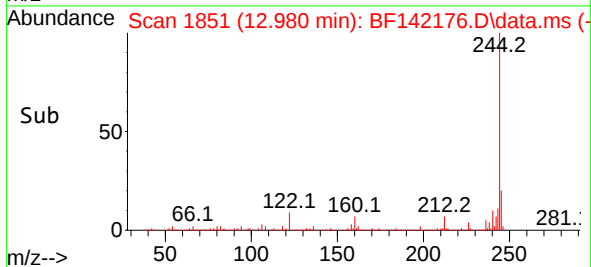
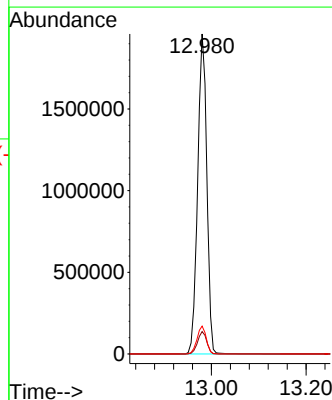
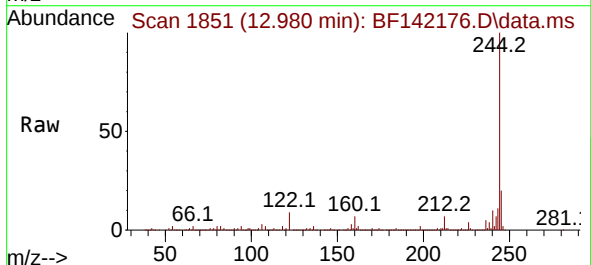


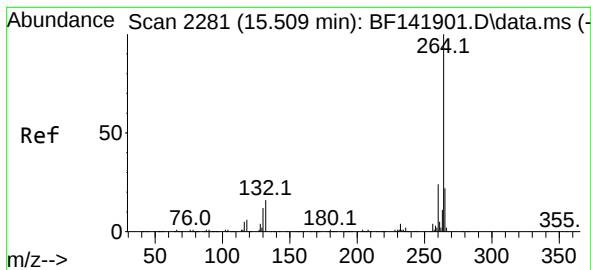
Tgt Ion:240 Resp: 378101
Ion Ratio Lower Upper
240 100
120 9.1 8.4 12.6
236 25.2 20.5 30.7



#79
Terphenyl-d14
Concen: 102.589 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:244 Resp: 2623632
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.7 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: BF142176.D
 Acq: 31 Mar 2025 12:52

Instrument :
 BNA_F
 ClientSampleId :
 PB167369BL

Tgt Ion:264 Resp: 303471
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 21.6 17.5 26.3

