

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142165.D
 Acq On : 28 Mar 2025 17:34
 Operator : RC/JU
 Sample : Q1662-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Mar 28 18:07:51 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)

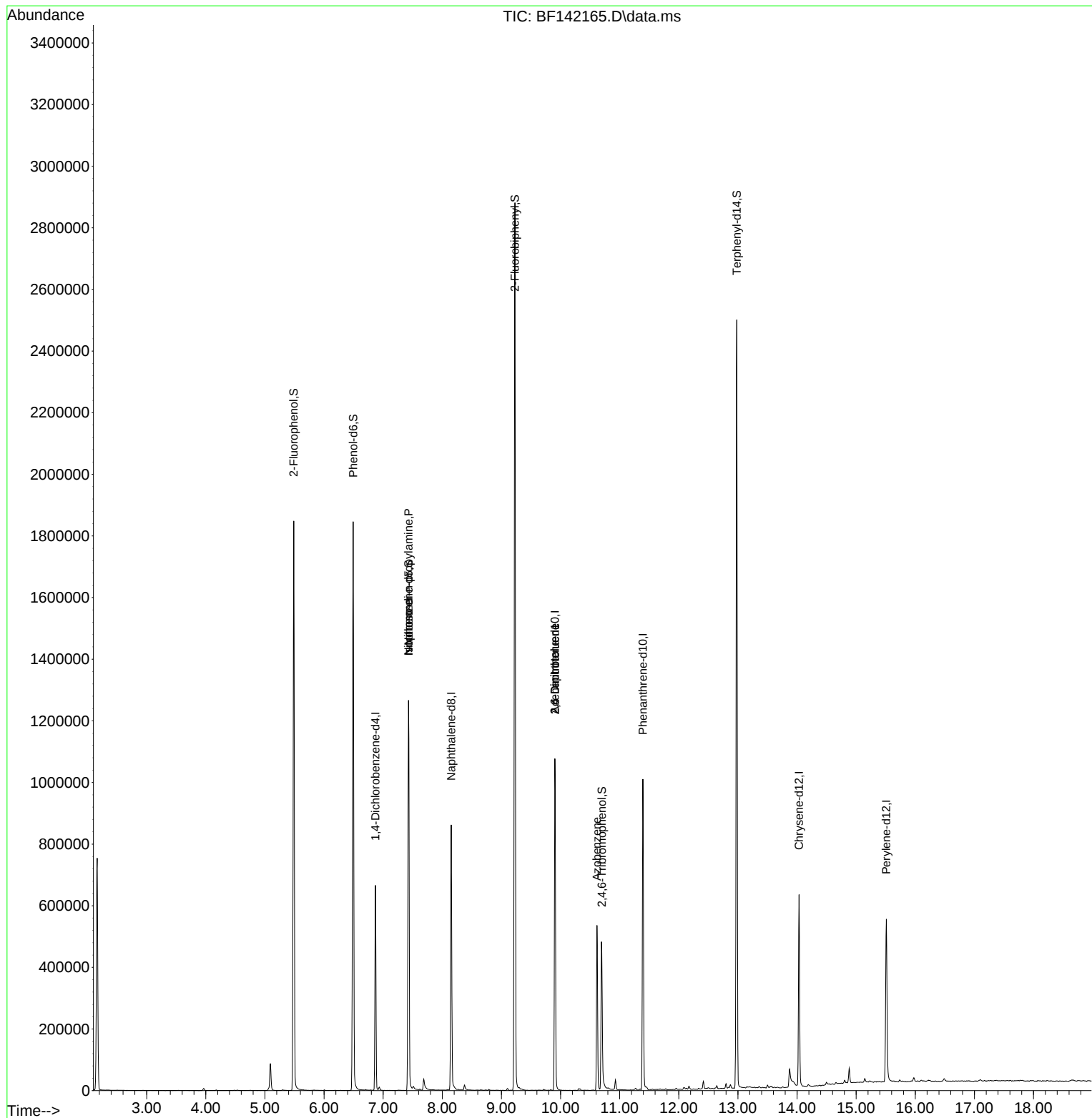
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	141820	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	575993	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	330416	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	544742	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	318101	20.000	ng	0.00
86) Perylene-d12	15.510	264	333315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	729449	85.843	ng	0.00
7) Phenol-d6	6.493	99	906493	83.786	ng	-0.01
23) Nitrobenzene-d5	7.428	82	597049	58.333	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	108890	25.977	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1305644	60.095	ng	-0.01
79) Terphenyl-d14	12.980	244	1251340	58.159	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.428	70	80950	11.644	ng	# 76
25) Isophorone	7.428	82	588544	32.530	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	43268	8.981	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	43269	6.877	ng	# 24
63) Azobenzene	10.616	77	139195	6.489	ng	# 1

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

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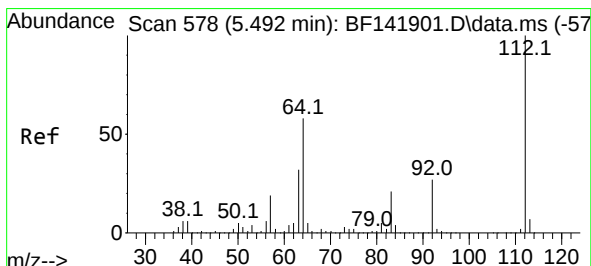
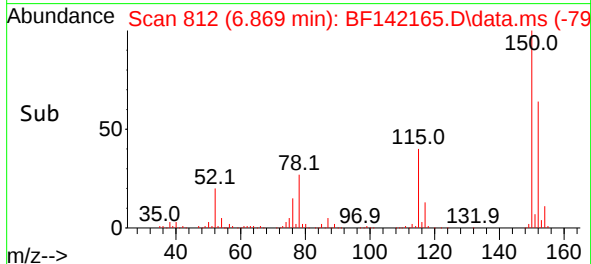
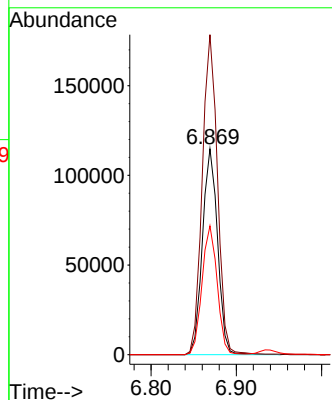
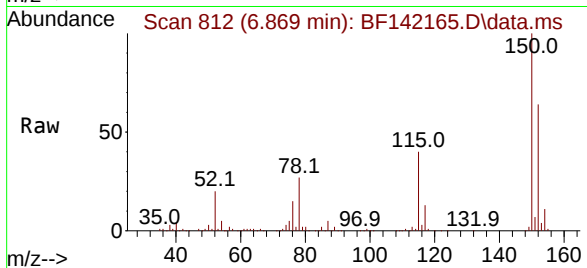




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 814
 Delta R.T. -0.012 min
 Lab File: BF142165.D
 Acq: 28 Mar 2025 17:34

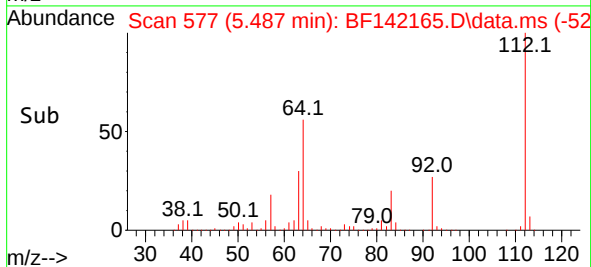
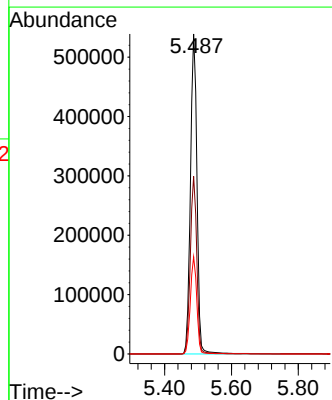
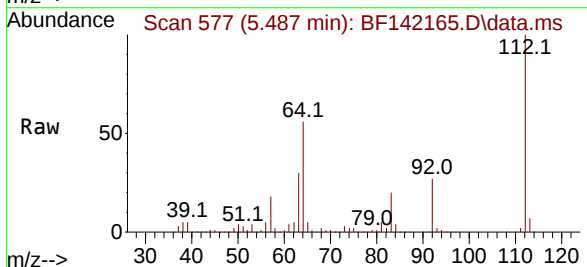
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tgt Ion:152 Resp: 141820
 Ion Ratio Lower Upper
 152 100
 150 155.4 127.4 191.2
 115 62.6 51.9 77.9



#5
 2-Fluorophenol
 Concen: 85.843 ng
 RT: 5.487 min Scan# 577
 Delta R.T. -0.006 min
 Lab File: BF142165.D
 Acq: 28 Mar 2025 17:34

Tgt Ion:112 Resp: 729449
 Ion Ratio Lower Upper
 112 100
 64 55.5 46.5 69.7
 63 30.4 25.4 38.2

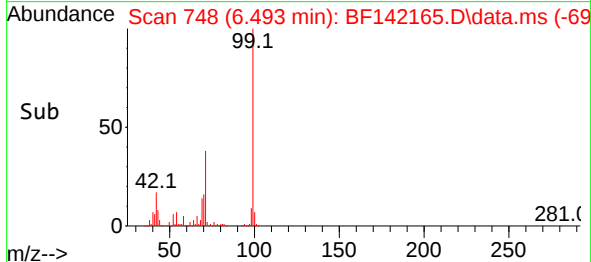
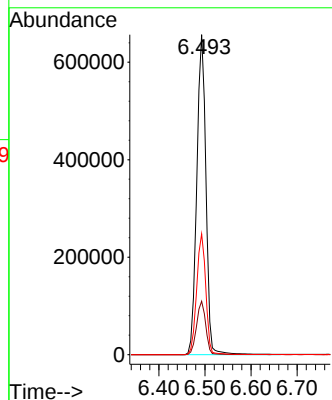
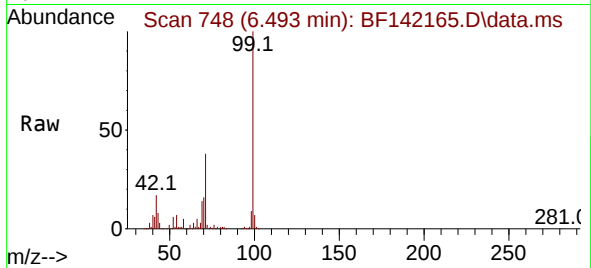




#7
Phenol-d6
Concen: 83.786 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

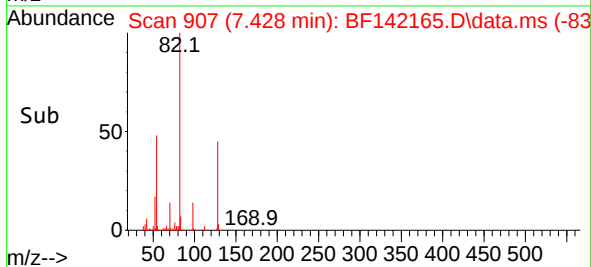
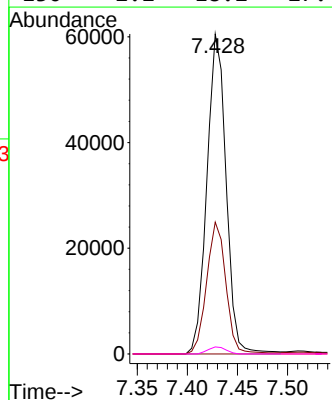
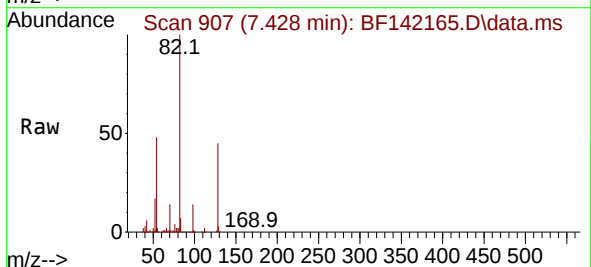
Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion: 99 Resp: 906493
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 37.8 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.644 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

Tgt Ion: 70 Resp: 80950
Ion Ratio Lower Upper
70 100
42 41.2 41.4 62.0#
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#

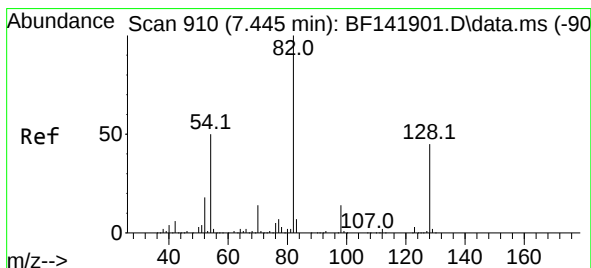
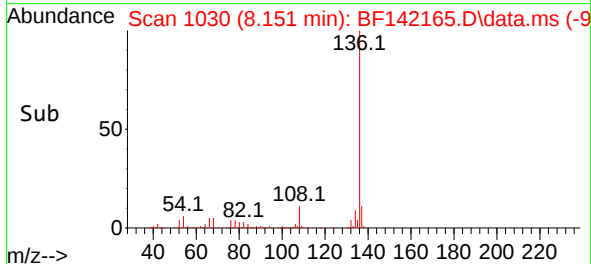
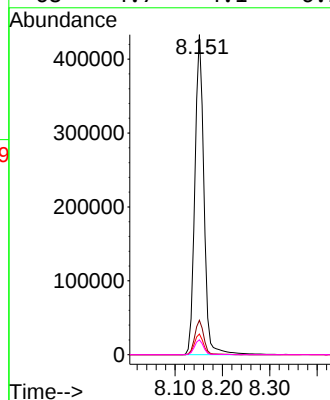
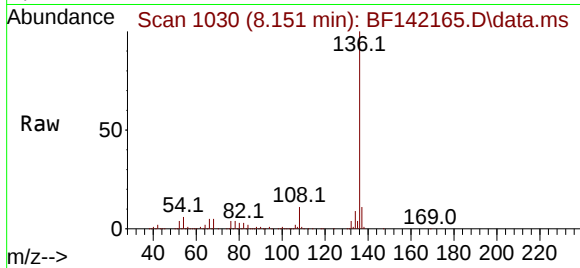




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

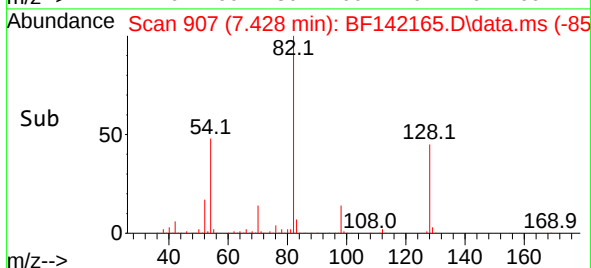
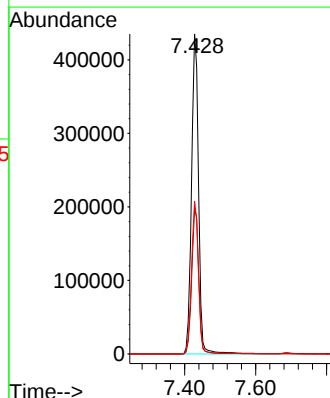
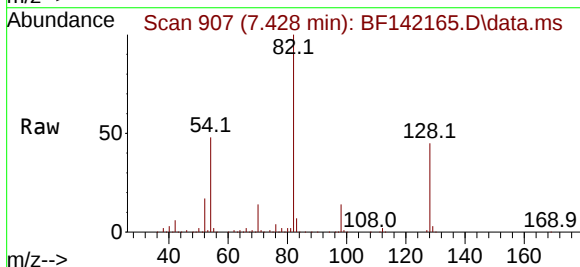
Instrument :
BNA_F
ClientSampleId :
TP-6

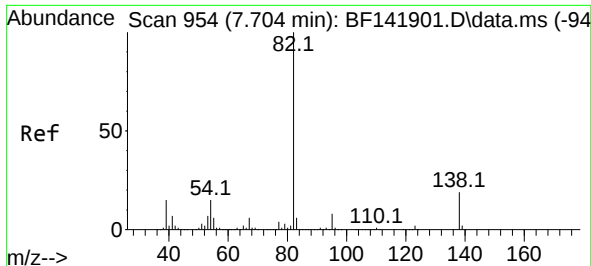
Tgt Ion	136	Resp:	575993
	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.5	5.8	8.8
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 58.333 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.017 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

Tgt Ion: 82	Resp: 597049
Ion Ratio	Lower Upper
82 100	
128 45.5	36.0 54.0
54 47.8	39.6 59.4

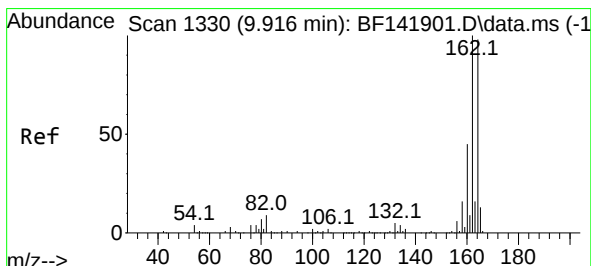
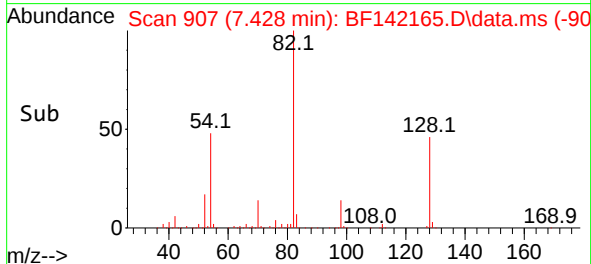
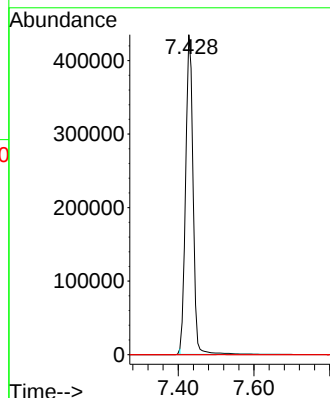
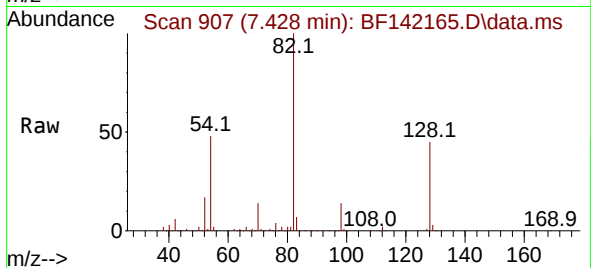




#25
Isophorone
Concen: 32.530 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

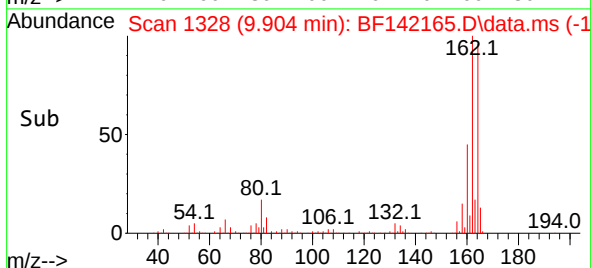
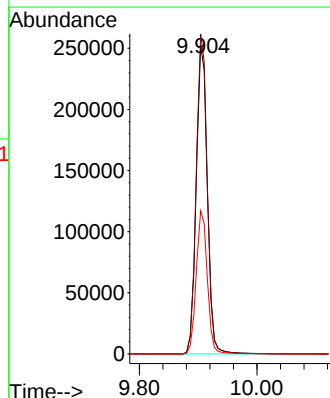
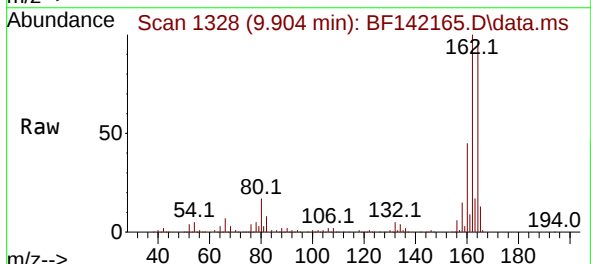
Instrument :
BNA_F
ClientSampleId :
TP-6

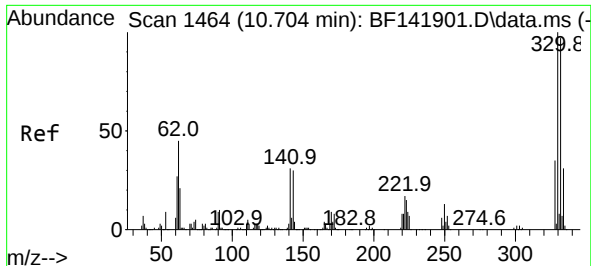
Tgt Ion: 82 Resp: 588544
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

Tgt Ion:164 Resp: 330416
Ion Ratio Lower Upper
164 100
162 103.7 81.8 122.6
160 46.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 25.977 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142165.D

Acq: 28 Mar 2025 17:34

Instrument :

BNA_F

ClientSampleId :

TP-6

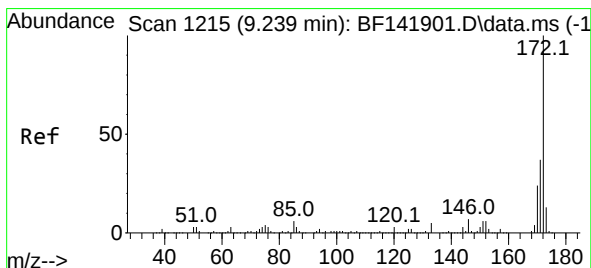
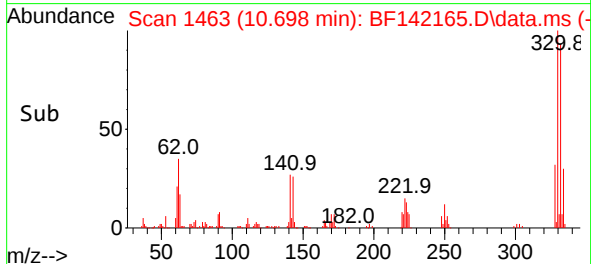
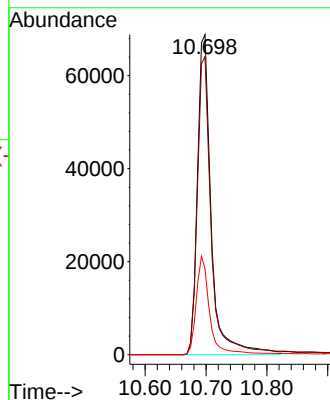
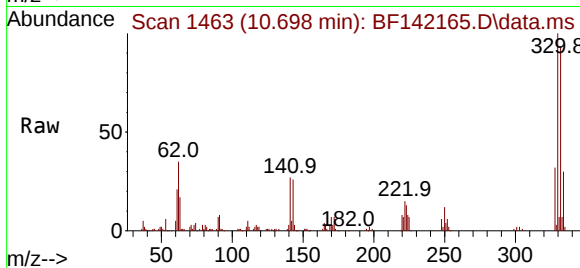
Tgt Ion:330 Resp: 108890

Ion Ratio Lower Upper

330 100

332 95.5 77.6 116.4

141 30.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 60.095 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142165.D

Acq: 28 Mar 2025 17:34

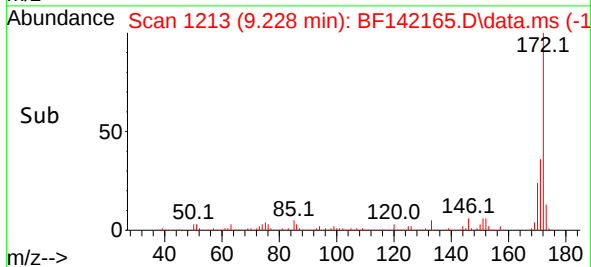
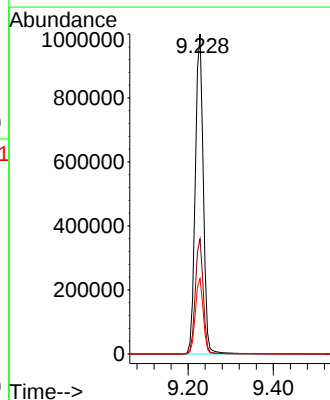
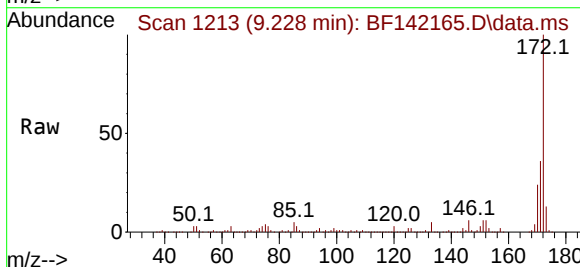
Tgt Ion:172 Resp: 1305644

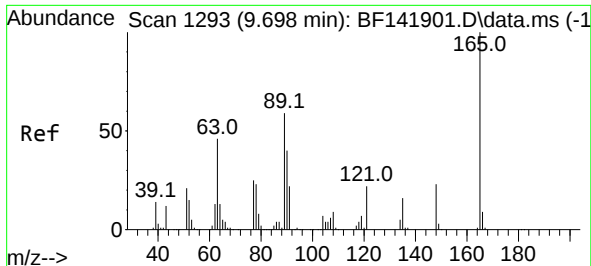
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.6 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.981 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF142165.D

Acq: 28 Mar 2025 17:34

Instrument :

BNA_F

ClientSampleId :

TP-6

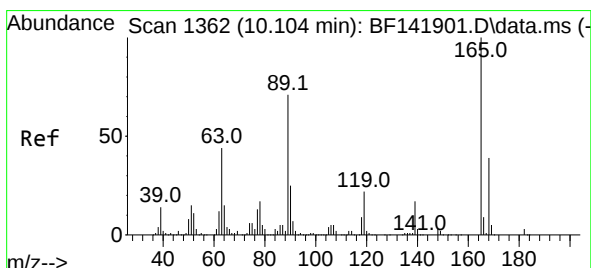
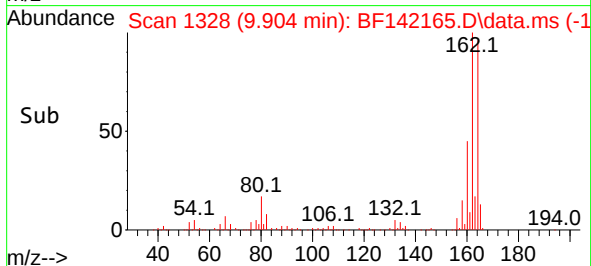
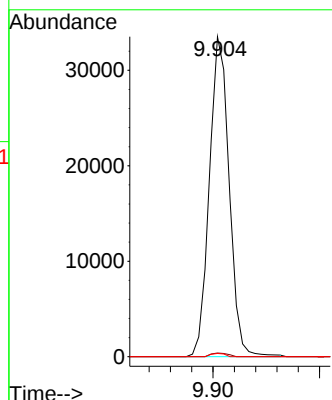
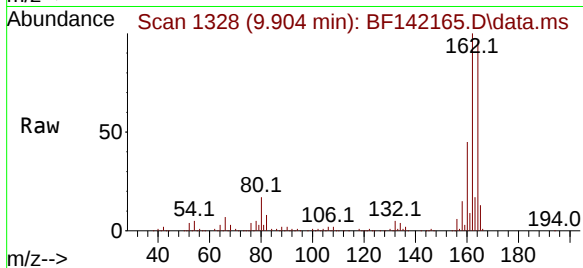
Tgt Ion:165 Resp: 43268

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: 6.877 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF142165.D

Acq: 28 Mar 2025 17:34

Tgt Ion:165 Resp: 43269

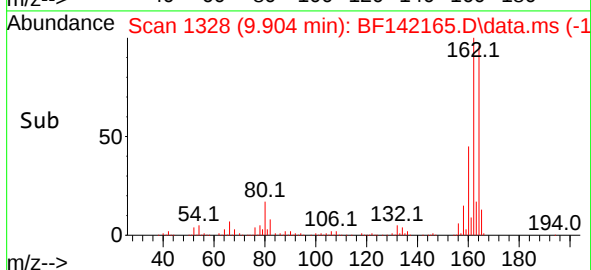
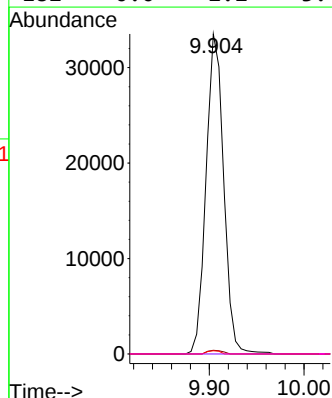
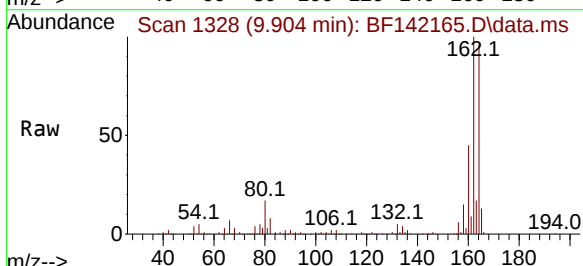
Ion Ratio Lower Upper

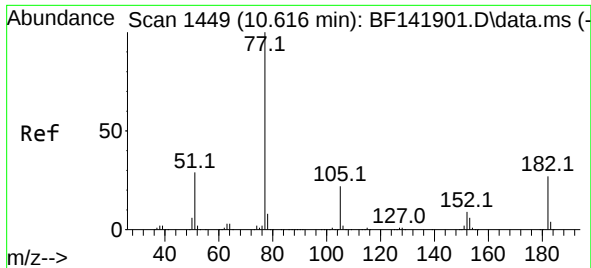
165 100

63 1.1 35.4 53.2#

89 1.0 56.6 84.8#

182 0.0 2.2 3.4#

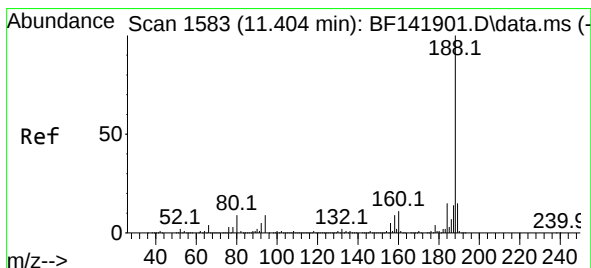
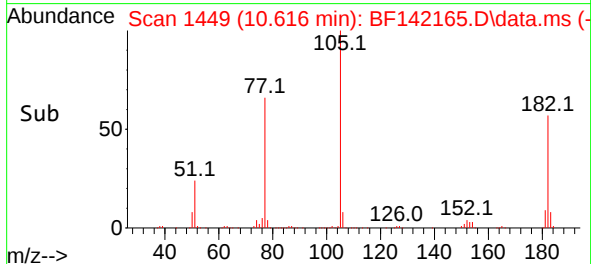
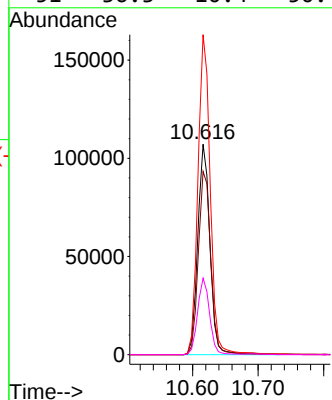
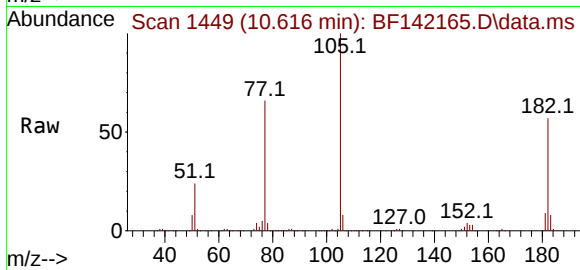




#63
Azobenzene
Concen: 6.489 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

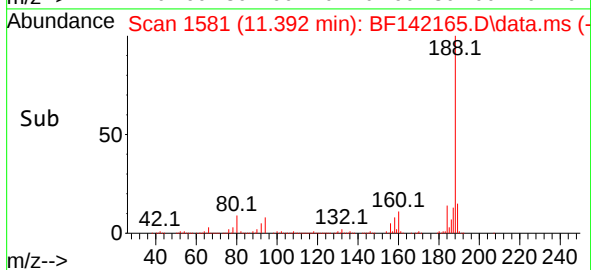
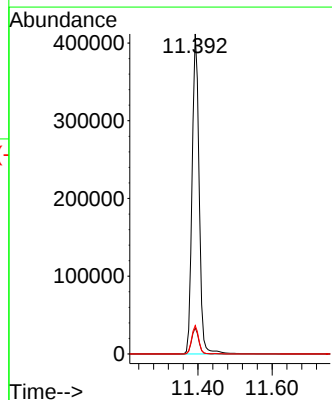
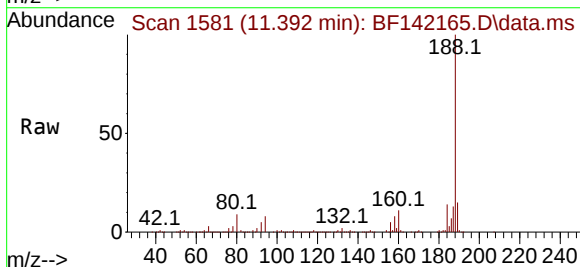
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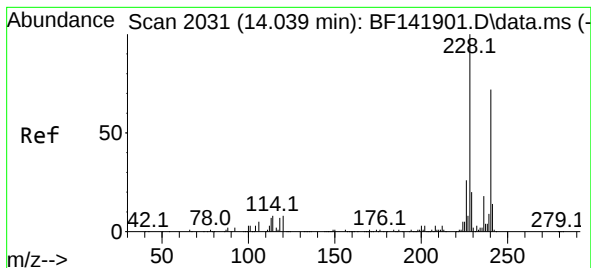
Tgt Ion: 77 Resp: 139195
Ion Ratio Lower Upper
77 100
182 87.1 6.6 46.6#
105 152.1 1.3 41.3#
51 36.3 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142165.D
Acq: 28 Mar 2025 17:34

Tgt Ion:188 Resp: 544742
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.9 7.6 11.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142165.D

Acq: 28 Mar 2025 17:34

Instrument :

BNA_F

ClientSampleId :

TP-6

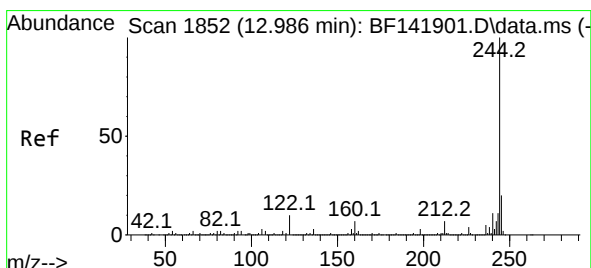
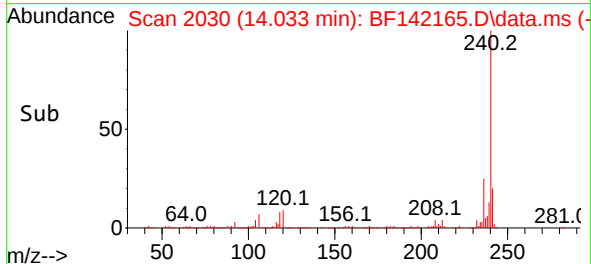
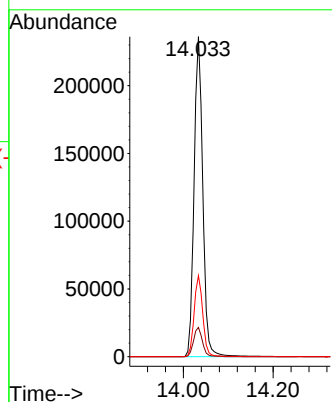
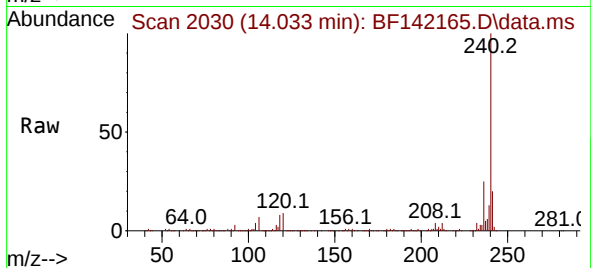
Tgt Ion:240 Resp: 318101

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.4 20.5 30.7



#79

Terphenyl-d14

Concen: 58.159 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142165.D

Acq: 28 Mar 2025 17:34

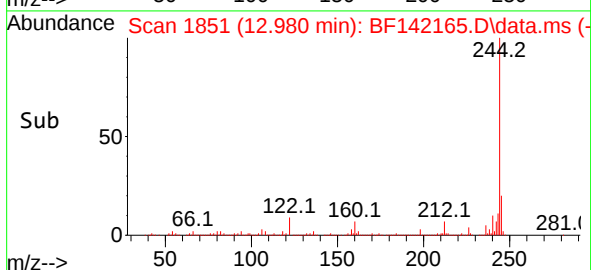
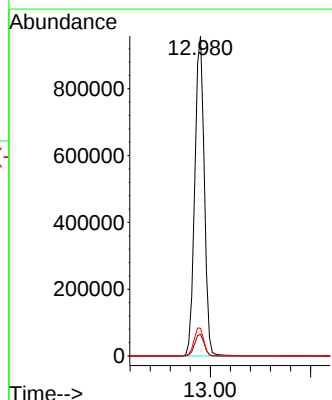
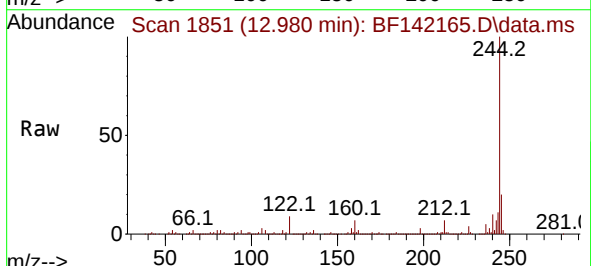
Tgt Ion:244 Resp: 1251340

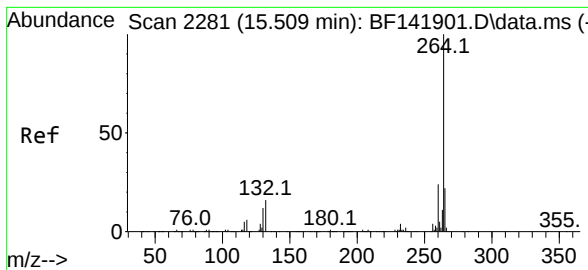
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

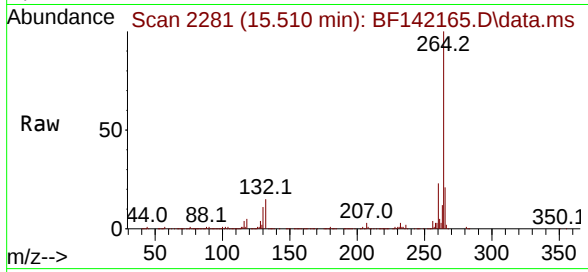
122 8.7 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142165.D
 Acq: 28 Mar 2025 17:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-6



Tgt Ion:264 Resp: 333315

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	21.2	17.5	26.3

