

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
 Data File : BF140844.D
 Acq On : 13 Dec 2024 15:18
 Operator : RC/JU
 Sample : P5239-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 13 16:41:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

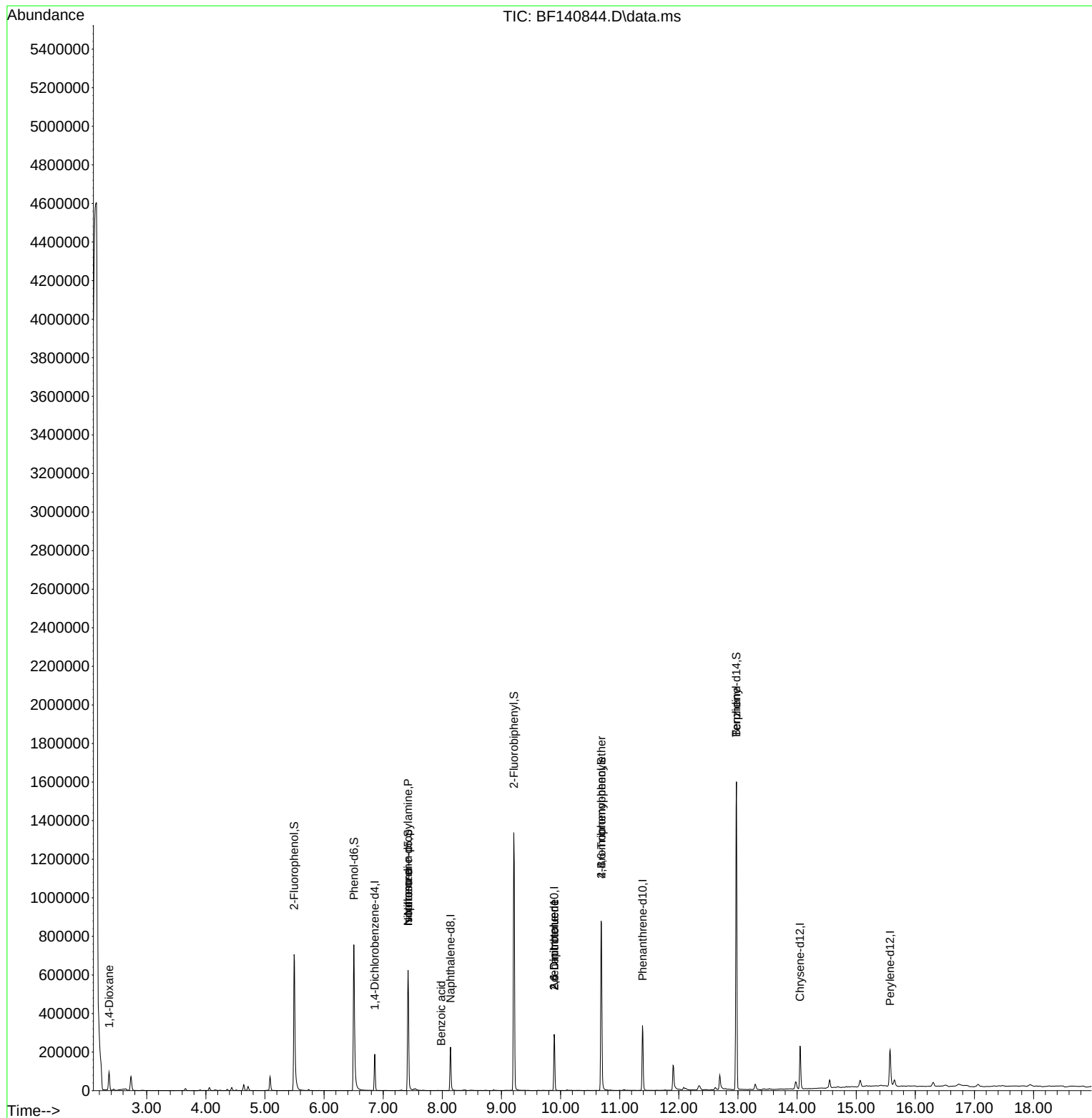
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	40799	20.000	ng	-0.02
21) Naphthalene-d8	8.139	136	153137	20.000	ng	-0.02
39) Acenaphthene-d10	9.892	164	90893	20.000	ng	-0.02
64) Phenanthrene-d10	11.386	188	191617	20.000	ng	-0.02
76) Chrysene-d12	14.051	240	119876	20.000	ng	0.00
86) Perylene-d12	15.574	264	133401	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	328309	137.298	ng	0.00
7) Phenol-d6	6.504	99	419804	132.798	ng	-0.01
23) Nitrobenzene-d5	7.422	82	288916	96.503	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	164401	169.118	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	591833	97.015	ng	-0.02
79) Terphenyl-d14	12.974	244	790418	102.671	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.363	88	2231	2.219	ng	# 1
19) n-Nitroso-di-n-propyla...	7.422	70	38546	20.632	ng	# 75
25) Isophorone	7.422	82	288913	57.857	ng	# 66
32) Benzoic acid	7.981	122	272	7.354	ng	# 1
51) 2,6-Dinitrotoluene	9.892	165	11794	8.687	ng	# 19
57) 2,4-Dinitrotoluene	9.892	165	11794	6.536	ng	# 17
67) 4-Bromophenyl-phenylether	10.692	248	10681	5.413	ng	# 1
77) Benzidine	12.974	184	10673	3.062	ng	# 94

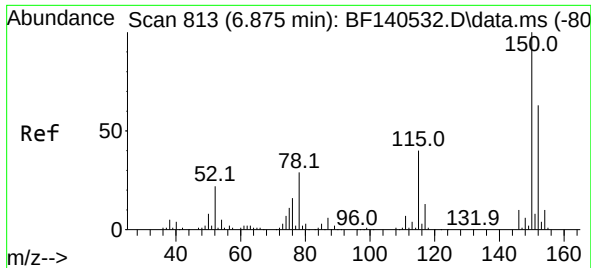
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

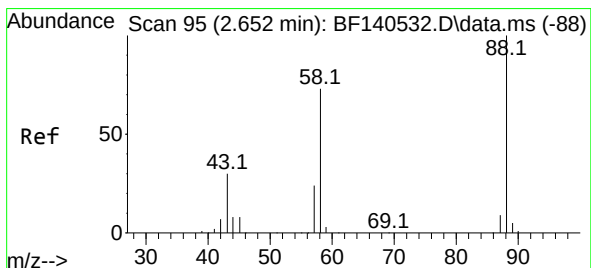
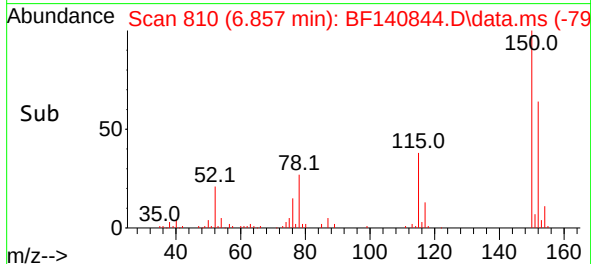
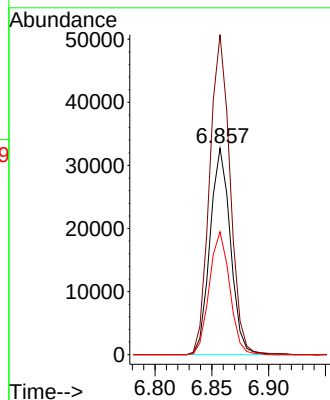
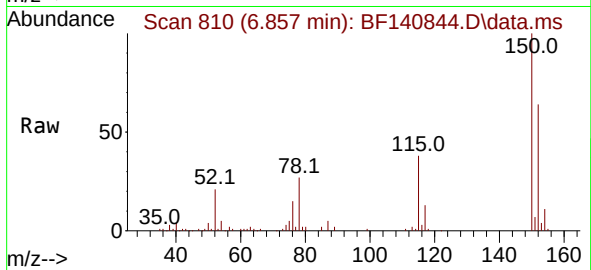




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 81
 Delta R.T. -0.018 min
 Lab File: BF140844.D
 Acq: 13 Dec 2024 15:18

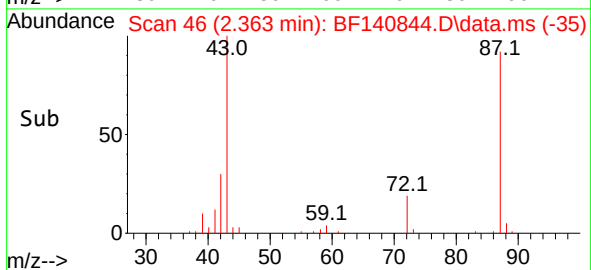
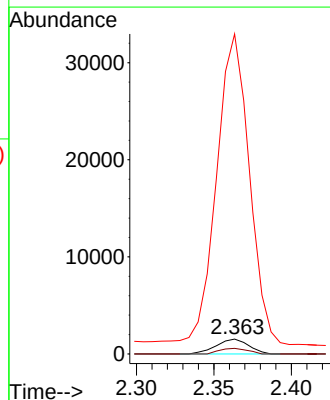
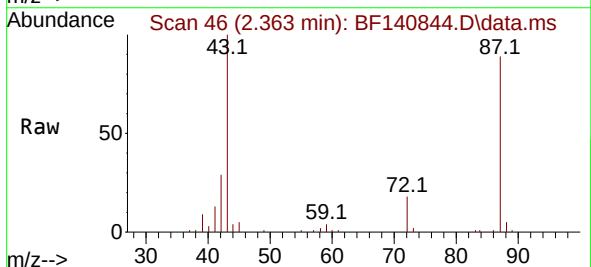
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

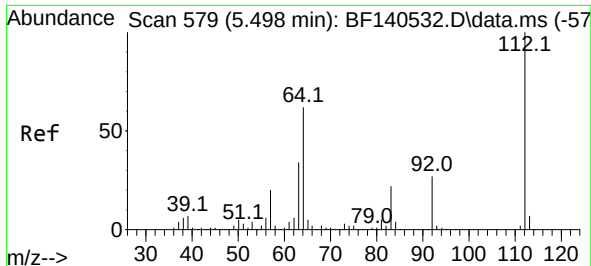
Tgt Ion:152 Resp: 40799
 Ion Ratio Lower Upper
 152 100
 150 155.1 128.5 192.7
 115 59.6 50.2 75.4



#2
 1,4-Dioxane
 Concen: 2.219 ng
 RT: 2.363 min Scan# 46
 Delta R.T. -0.288 min
 Lab File: BF140844.D
 Acq: 13 Dec 2024 15:18

Tgt Ion: 88 Resp: 2231
 Ion Ratio Lower Upper
 88 100
 58 32.9 57.4 86.2#
 43 2132.9 24.3 36.5#

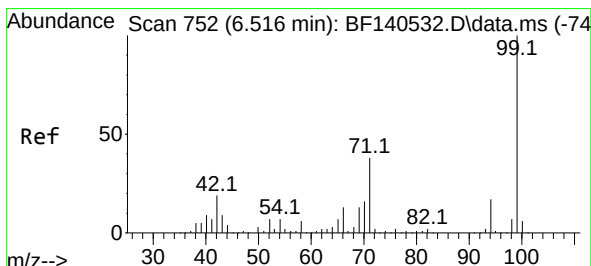
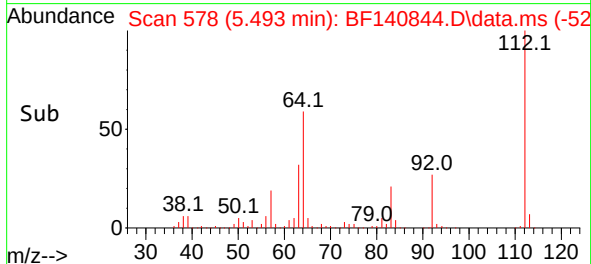
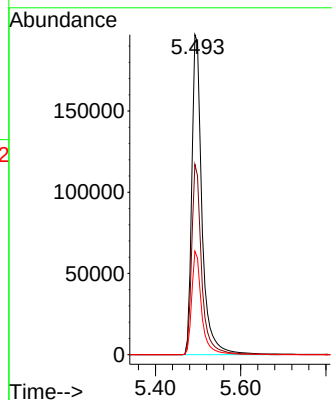
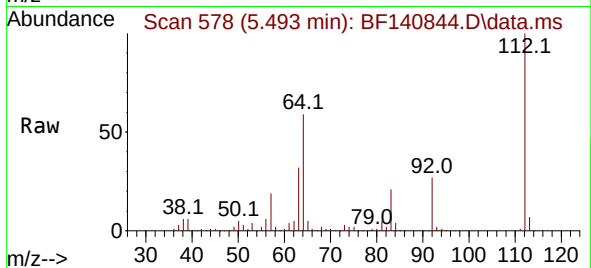




#5
2-Fluorophenol
Concen: 137.298 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

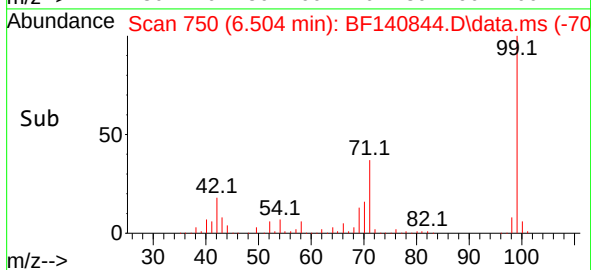
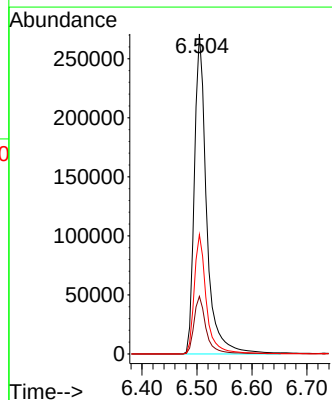
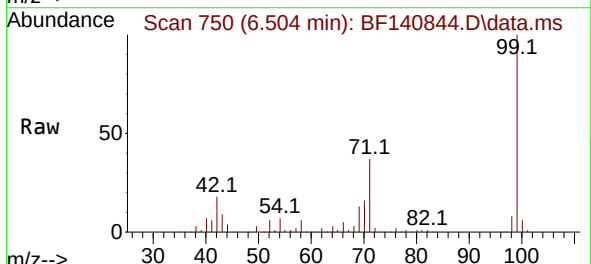
Instrument :
BNA_F
ClientSampleId :
WC-1

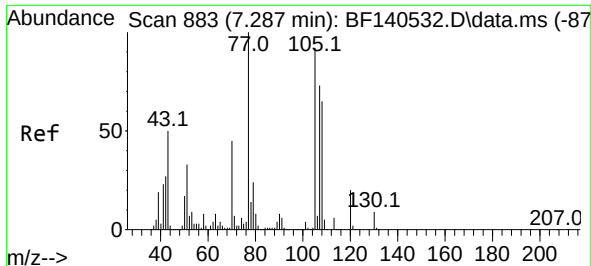
Tgt Ion:112 Resp: 328309
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 32.3 27.0 40.4



#7
Phenol-d6
Concen: 132.798 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

Tgt Ion: 99 Resp: 419804
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 37.3 30.6 46.0

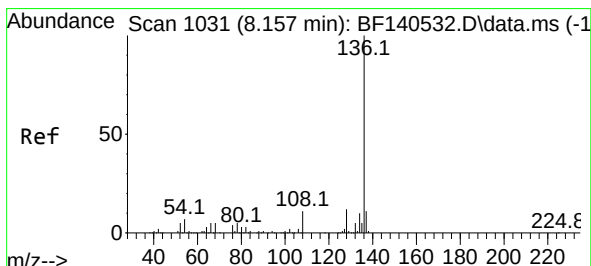
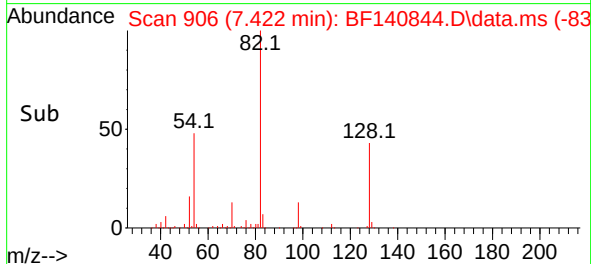
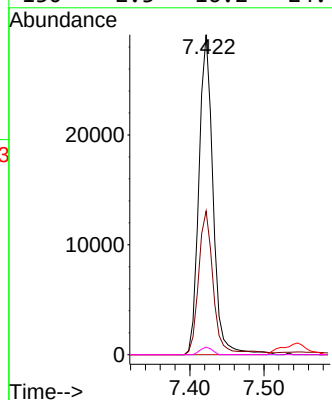
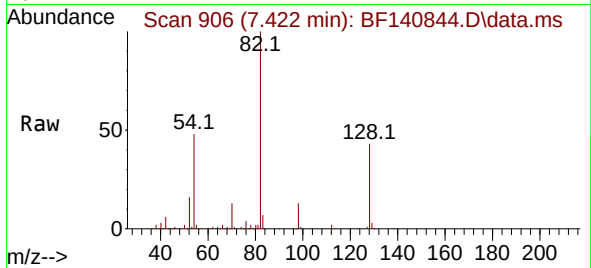




#19
n-Nitroso-di-n-propylamine
Concen: 20.632 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

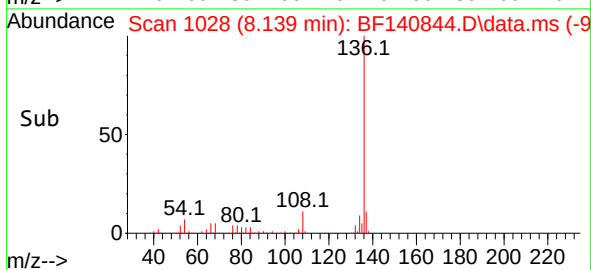
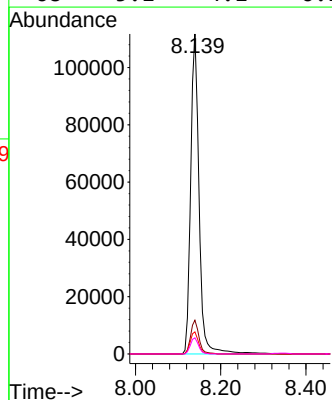
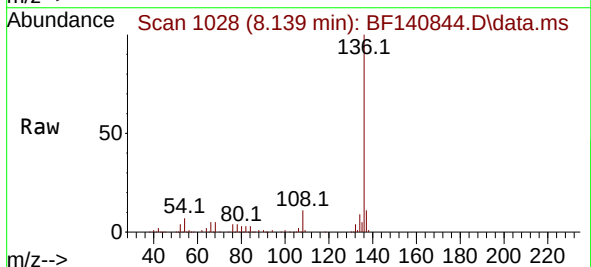
Instrument :
BNA_F
ClientSampleId :
WC-1

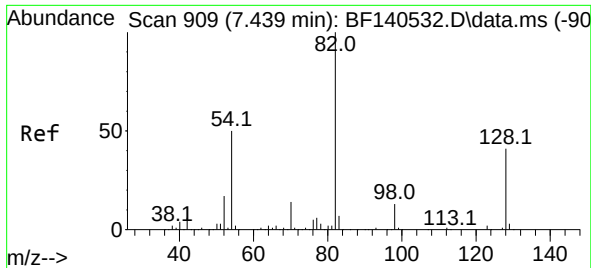
Tgt Ion:	70	Resp:	38546
Ion	Ratio	Lower	Upper
70	100		
42	44.9	47.6	71.4#
101	0.0	7.6	11.4#
130	2.3	16.2	24.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.018 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

Tgt Ion:	136	Resp:	153137
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	6.9	5.8	8.8
68	5.1	4.1	6.1

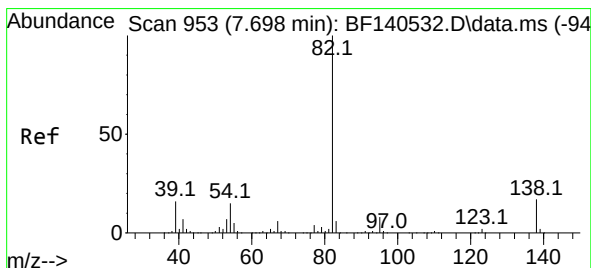
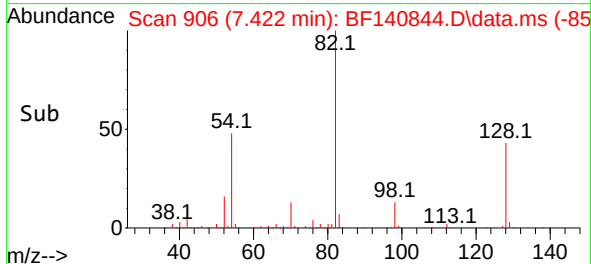
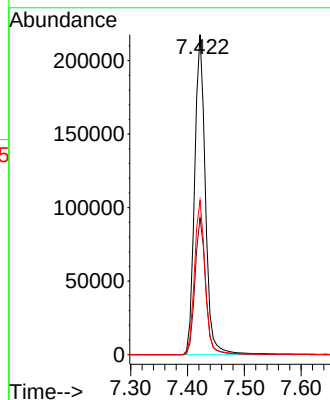
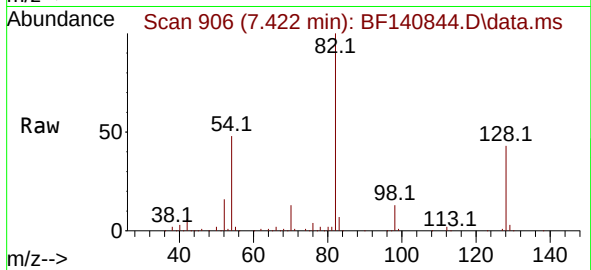




#23
Nitrobenzene-d5
Concen: 96.503 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

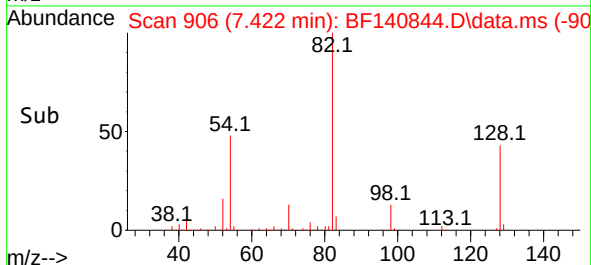
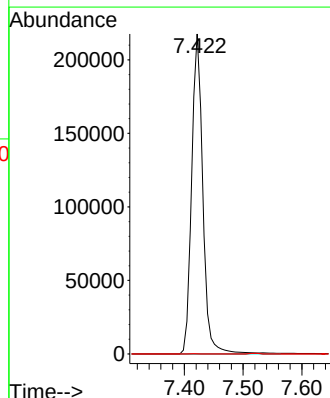
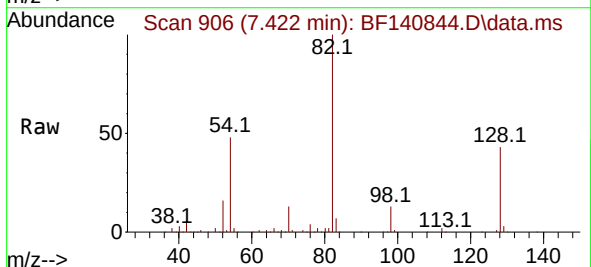
Instrument :
BNA_F
ClientSampleId :
WC-1

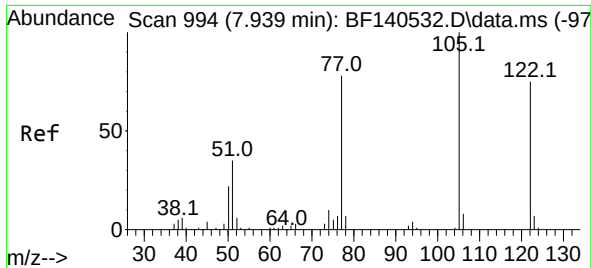
Tgt Ion: 82 Resp: 288916
Ion Ratio Lower Upper
82 100
128 42.8 33.0 49.4
54 48.2 39.5 59.3



#25
Isophorone
Concen: 57.857 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.276 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

Tgt Ion: 82 Resp: 288913
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.1 13.8 20.6#

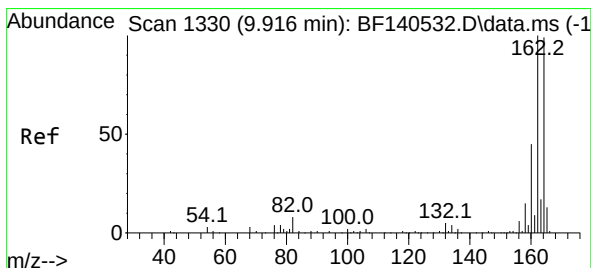
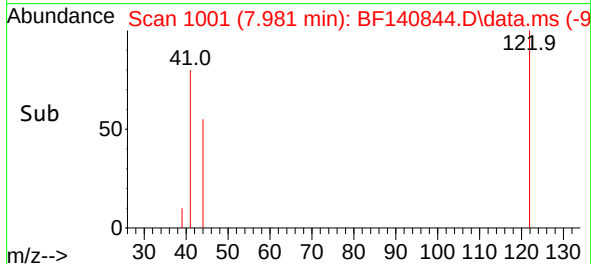
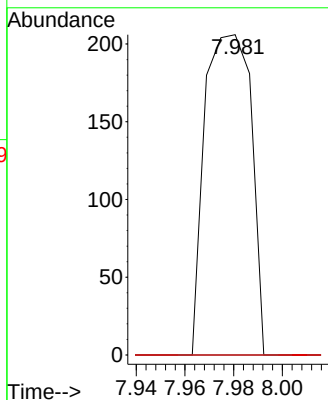
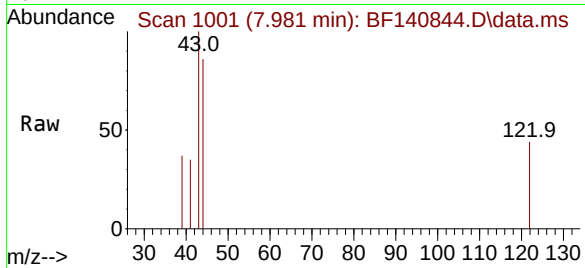




#32
Benzoic acid
Concen: 7.354 ng
RT: 7.981 min Scan# 1001
Delta R.T. 0.042 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

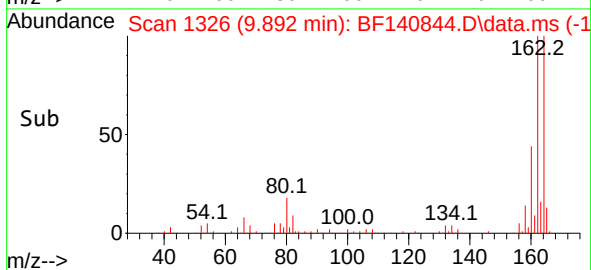
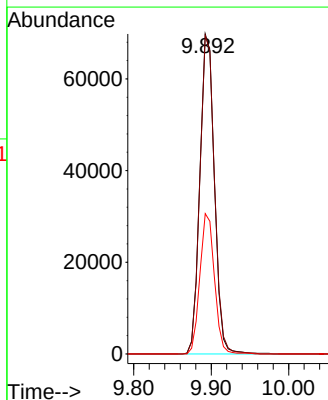
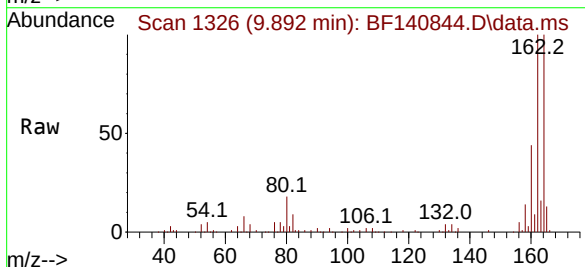
Instrument :
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ClientSampleId :
WC-1

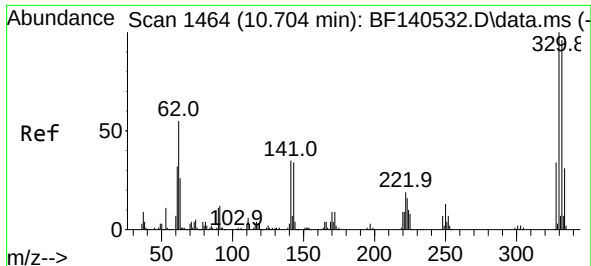
Tgt Ion:122	Resp:	272
Ion	Ratio	Lower Upper
122	100	
105	0.0	109.3 149.3#
77	0.0	82.3 122.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.024 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

Tgt Ion:164	Resp:	90893
Ion	Ratio	Lower Upper
164	100	
162	99.6	80.6 120.8
160	43.9	36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 169.118 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF140844.D

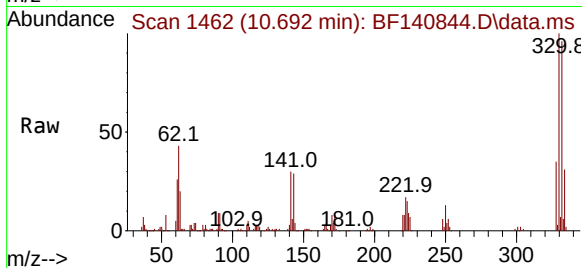
Acq: 13 Dec 2024 15:18

Instrument :

BNA_F

ClientSampleId :

WC-1



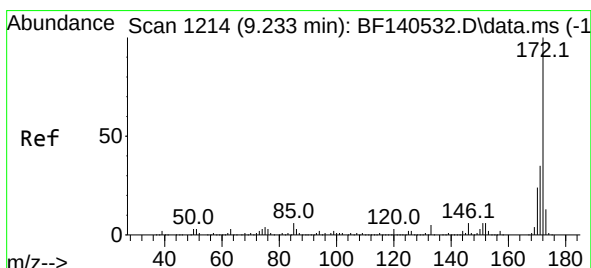
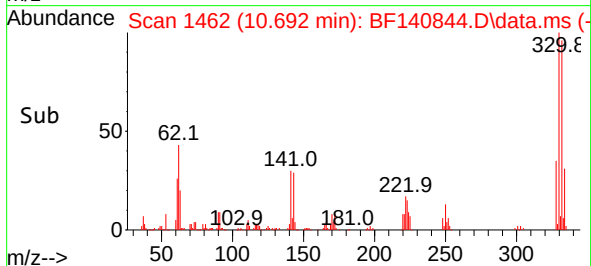
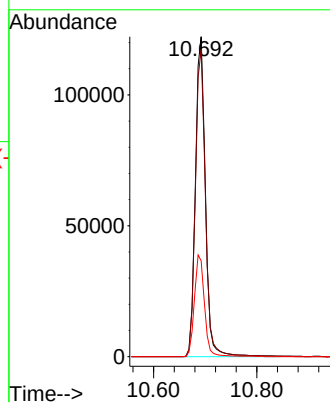
Tgt Ion:330 Resp: 164401

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

141 32.3 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 97.015 ng

RT: 9.210 min Scan# 1210

Delta R.T. -0.024 min

Lab File: BF140844.D

Acq: 13 Dec 2024 15:18

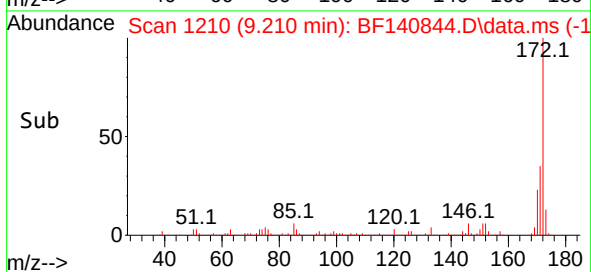
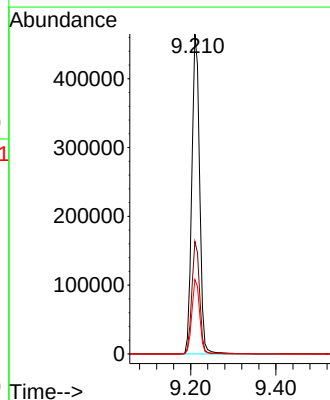
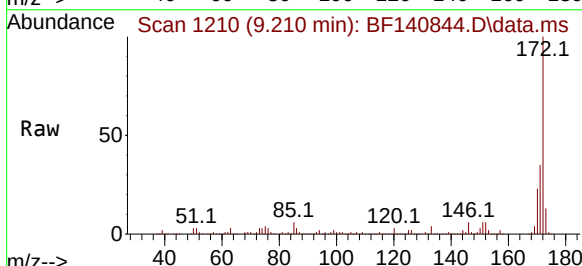
Tgt Ion:172 Resp: 591833

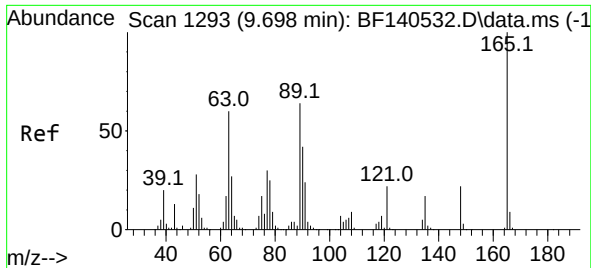
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.3 19.0 28.6

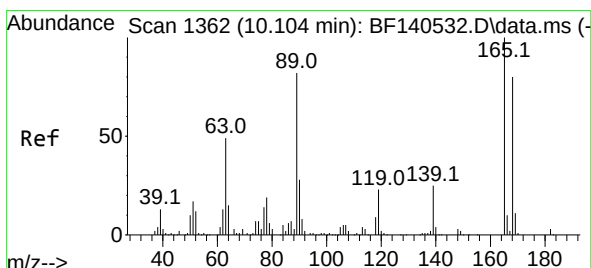
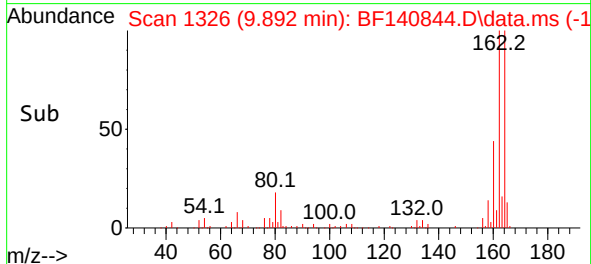
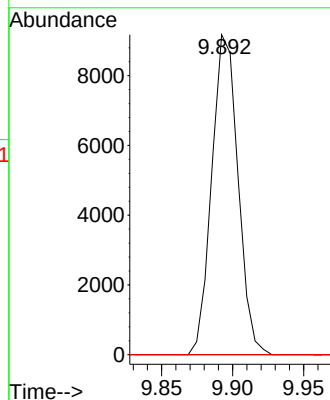
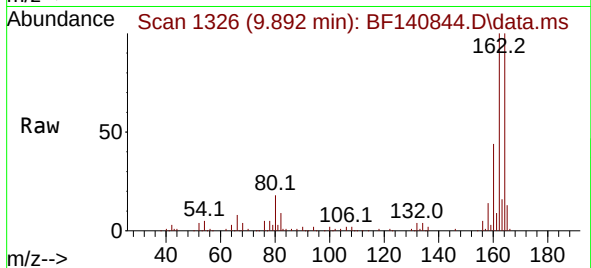




#51
2,6-Dinitrotoluene
Concen: 8.687 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

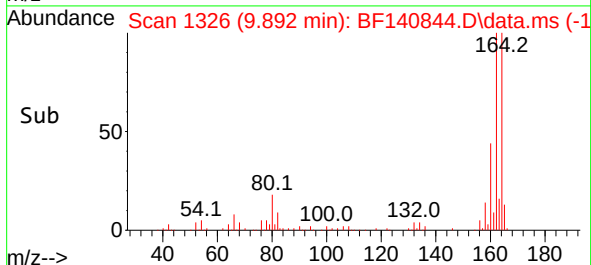
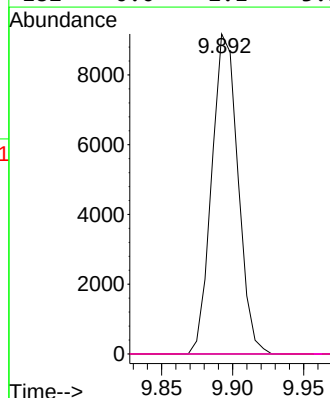
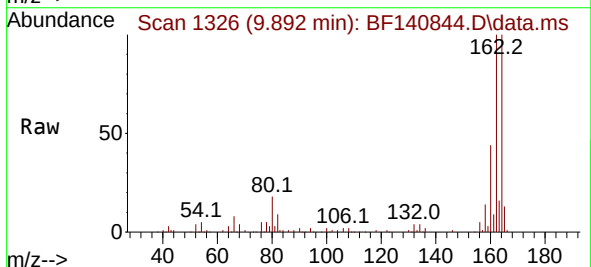
Instrument :
BNA_F
ClientSampleId :
WC-1

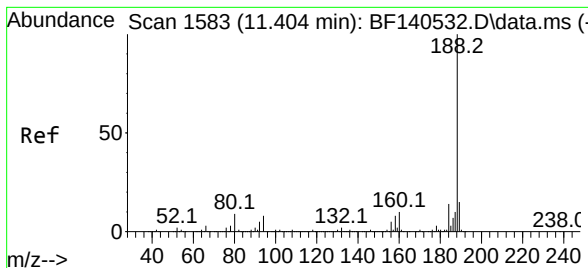
Tgt Ion:165 Resp: 11794
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.536 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.212 min
Lab File: BF140844.D
Acq: 13 Dec 2024 15:18

Tgt Ion:165 Resp: 11794
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 0.0 65.8 98.8#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF140844.D

Acq: 13 Dec 2024 15:18

Instrument :

BNA_F

ClientSampleId :

WC-1

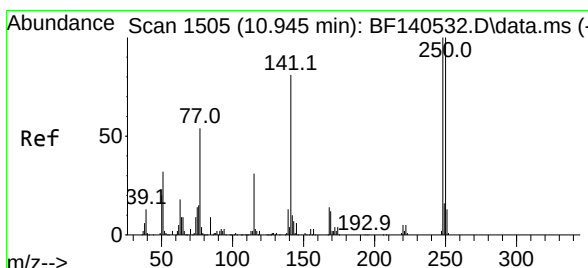
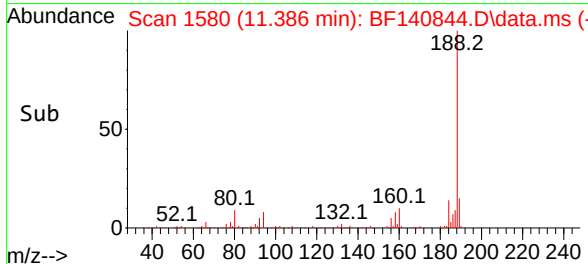
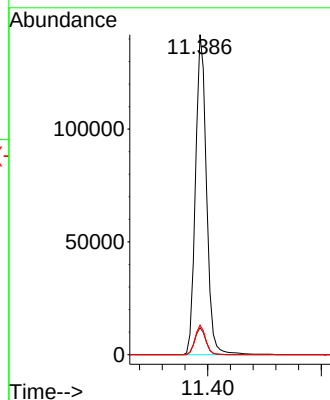
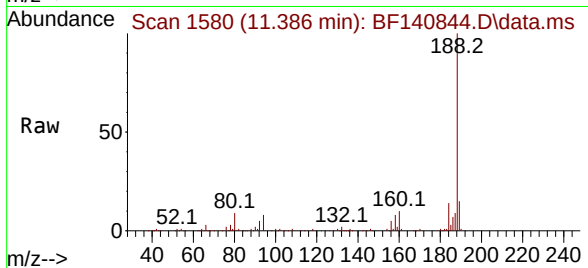
Tgt Ion:188 Resp: 191617

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.2 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.413 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.253 min

Lab File: BF140844.D

Acq: 13 Dec 2024 15:18

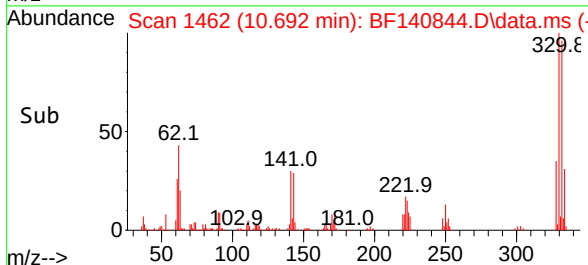
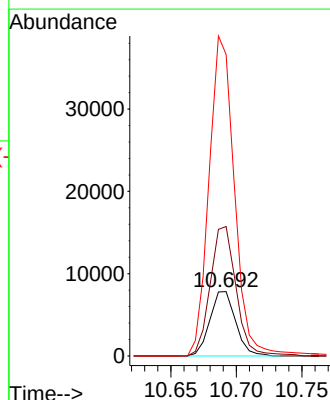
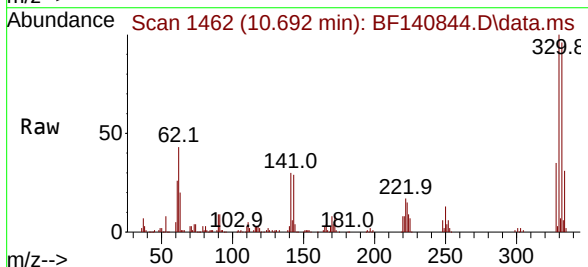
Tgt Ion:248 Resp: 10681

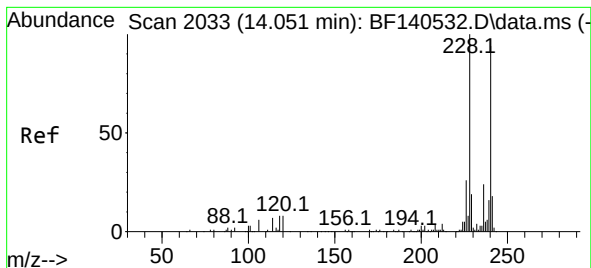
Ion Ratio Lower Upper

248 100

250 201.4 79.8 119.8#

141 469.1 64.7 97.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140844.D

Acq: 13 Dec 2024 15:18

Instrument :

BNA_F

ClientSampleId :

WC-1

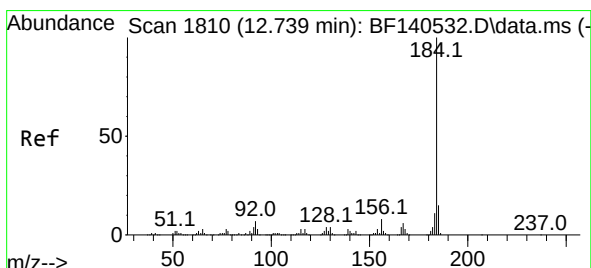
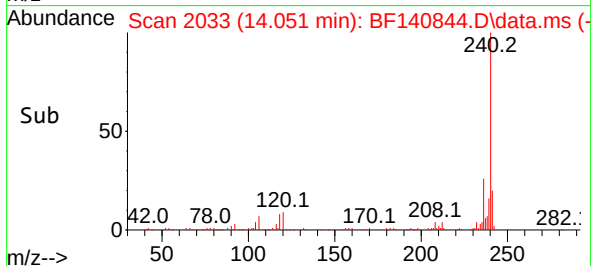
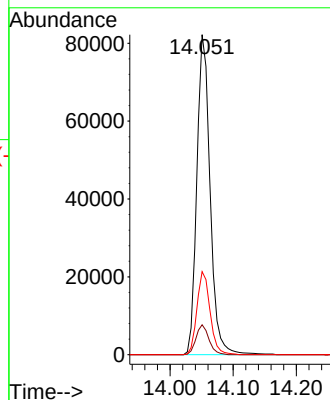
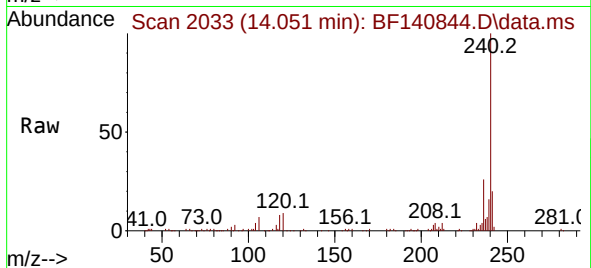
Tgt Ion:240 Resp: 119876

Ion Ratio Lower Upper

240 100

120 9.4 7.3 10.9

236 26.0 20.6 31.0



#77

Benzidine

Concen: 3.062 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.235 min

Lab File: BF140844.D

Acq: 13 Dec 2024 15:18

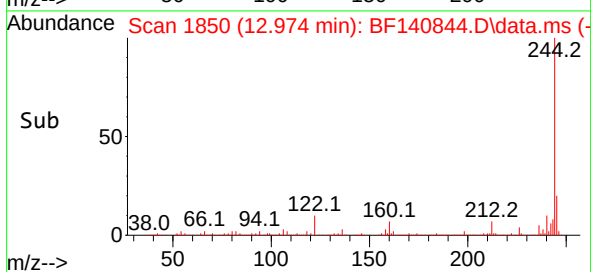
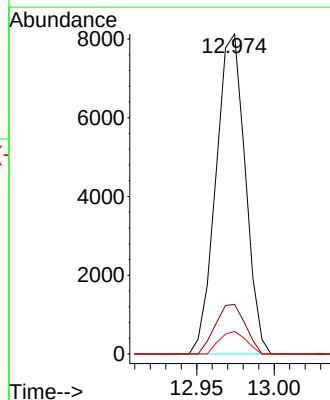
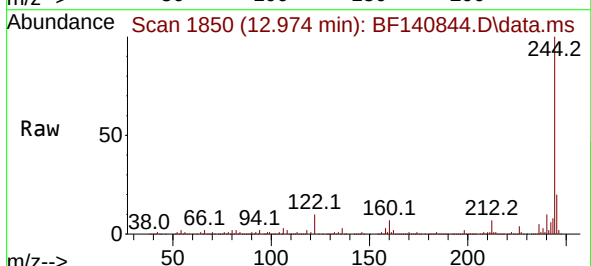
Tgt Ion:184 Resp: 10673

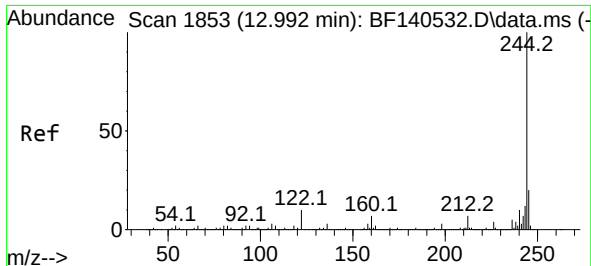
Ion Ratio Lower Upper

184 100

185 15.5 11.7 17.5

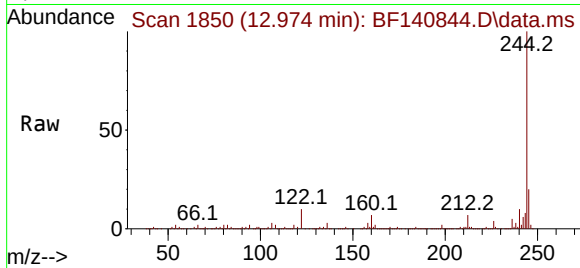
183 7.0 8.8 13.2#



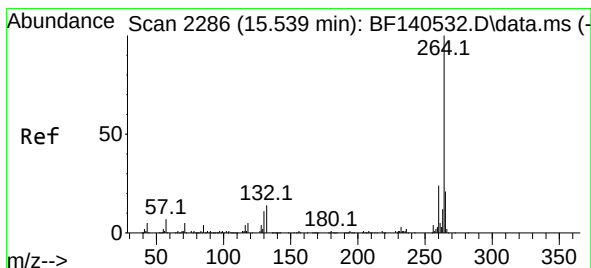
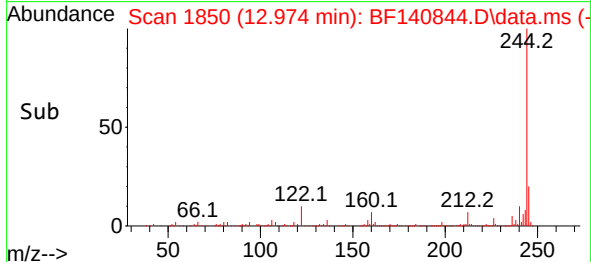
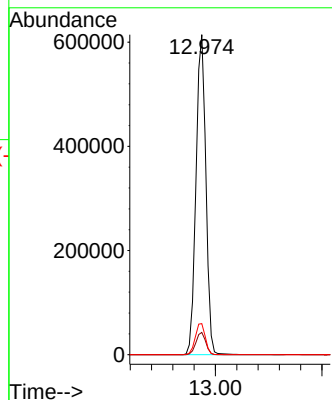


#79
 Terphenyl-d14
 Concen: 102.671 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.018 min
 Lab File: BF140844.D
 Acq: 13 Dec 2024 15:18

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:244 Resp: 790418
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 9.7 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 2292
 Delta R.T. 0.035 min
 Lab File: BF140844.D
 Acq: 13 Dec 2024 15:18

Tgt Ion:264 Resp: 133401
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.0 28.6
 265 21.2 16.6 25.0

