

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140086.D
 Acq On : 28 Oct 2024 14:47
 Operator : RC/JU
 Sample : P4567-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Oct 28 15:11:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

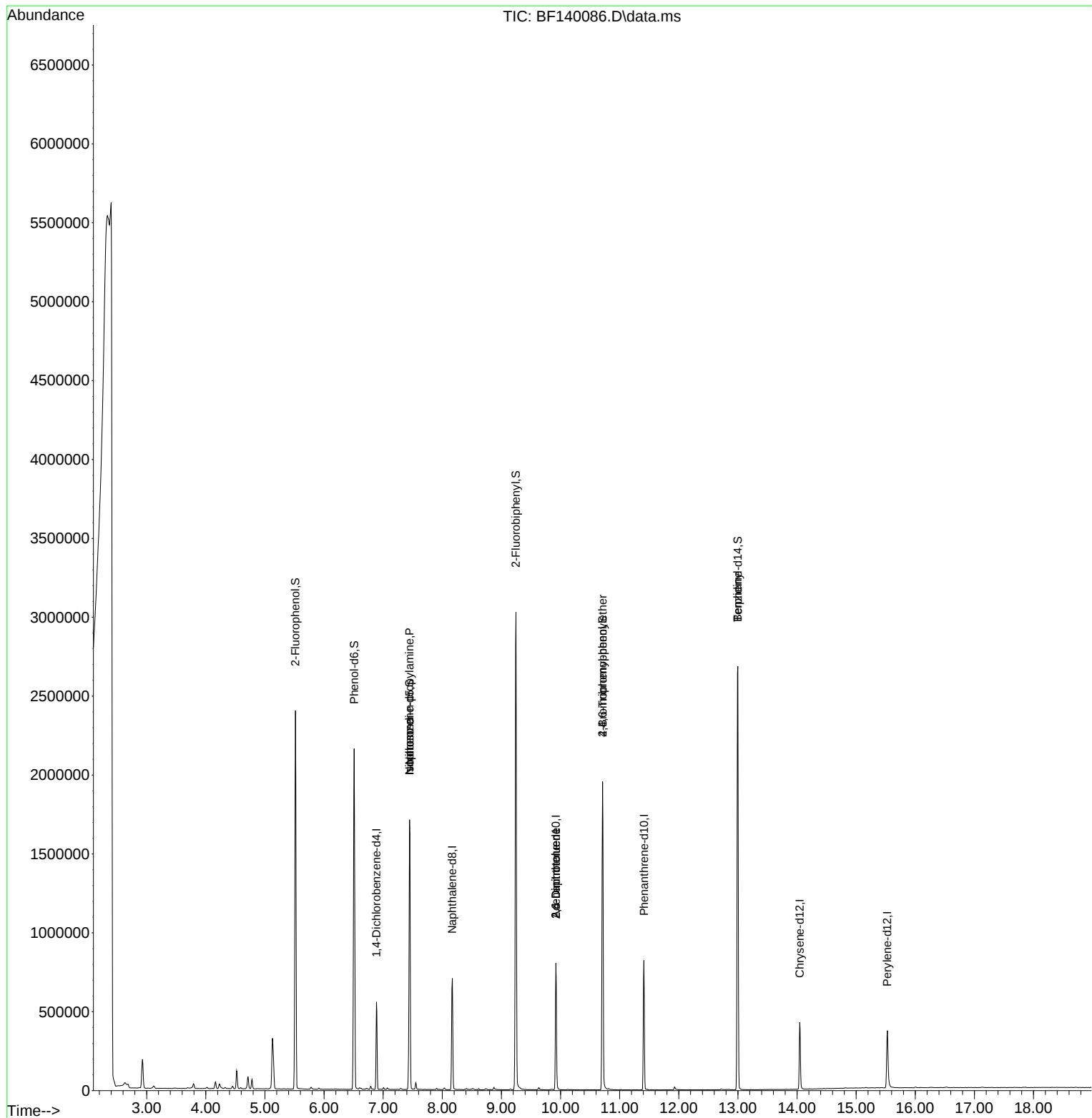
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	110919	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	439693	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	243777	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	428643	20.000	ng	0.00
76) Chrysene-d12	14.045	240	214541	20.000	ng	0.00
86) Perylene-d12	15.527	264	247245	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	897681	126.697	ng	0.02
7) Phenol-d6	6.510	99	1059392	115.445	ng	0.00
23) Nitrobenzene-d5	7.445	82	794903	100.198	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	354870	155.630	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1430805	97.002	ng	0.00
79) Terphenyl-d14	12.998	244	1412968	107.318	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	107660	19.344	ng	Qvalue 76
25) Isophorone	7.445	82	790447	52.495	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	31881	9.697	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	31881	7.885	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	22512	5.098	ng	# 1
77) Benzidine	12.998	184	17023	4.825	ng	# 91

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

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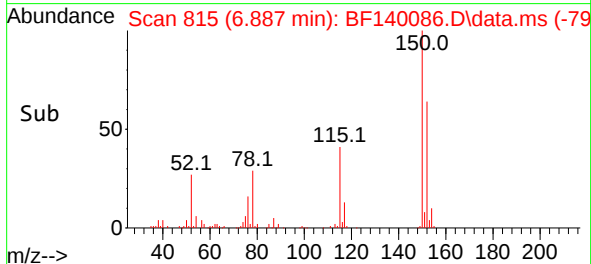
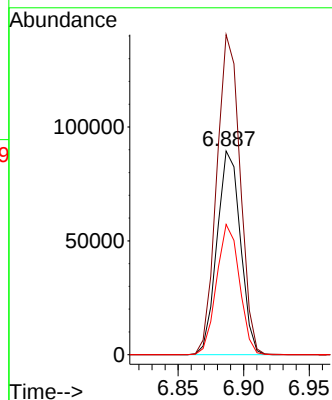
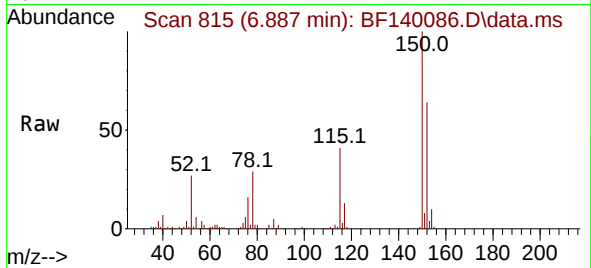




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

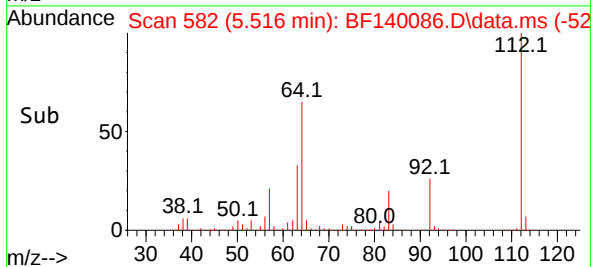
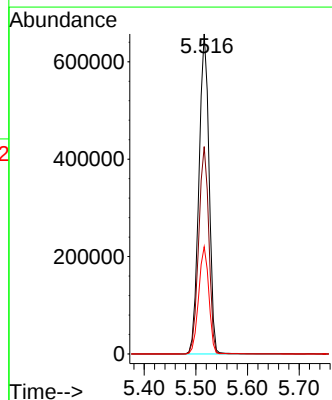
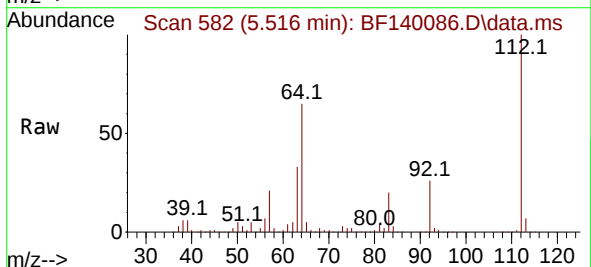
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 110919
Ion Ratio Lower Upper
152 100
150 157.2 130.2 195.2
115 64.0 51.4 77.2



#5
2-Fluorophenol
Concen: 126.697 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

Tgt Ion:112 Resp: 897681
Ion Ratio Lower Upper
112 100
64 64.8 53.0 79.6
63 33.5 27.0 40.4



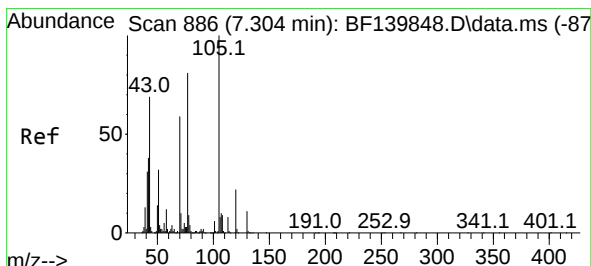
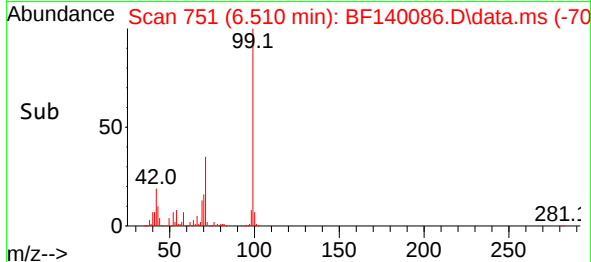
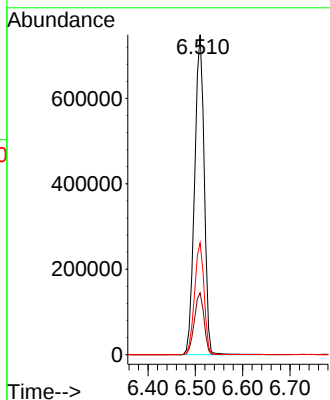
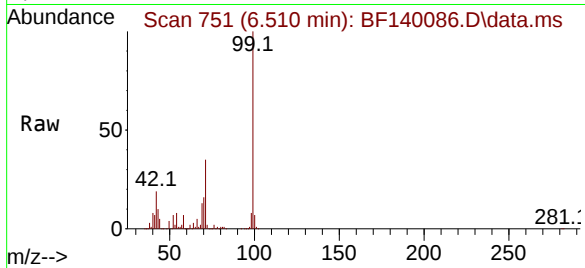


#7
Phenol-d6
Concen: 115.445 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 1059392

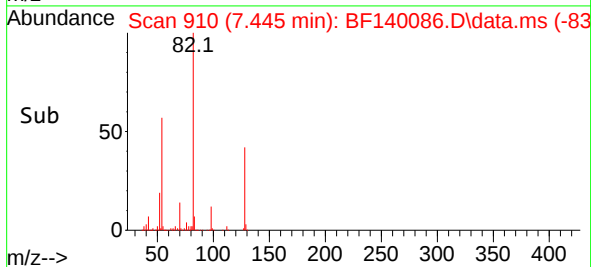
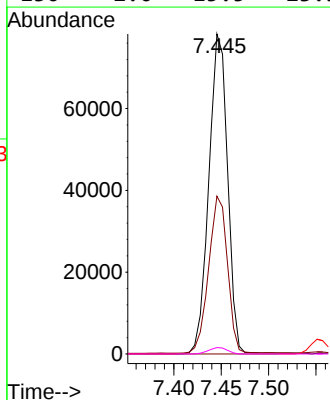
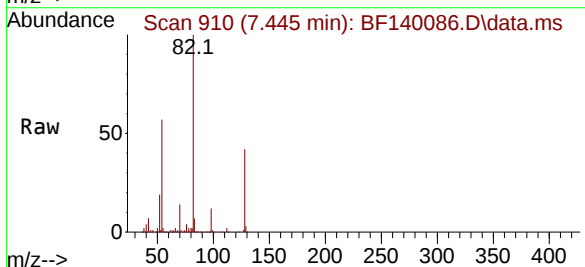
Ion	Ratio	Lower	Upper
99	100		
42	19.3	16.7	25.1
71	34.9	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 19.344 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

Tgt Ion: 70 Resp: 107660

Ion	Ratio	Lower	Upper
70	100		
42	49.3	51.5	77.3#
101	0.0	7.5	11.3#
130	2.0	15.5	23.3#

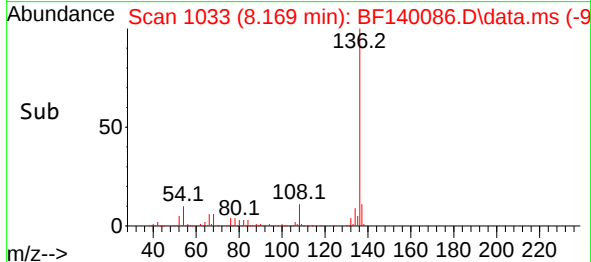
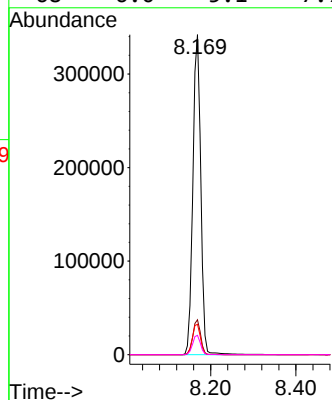
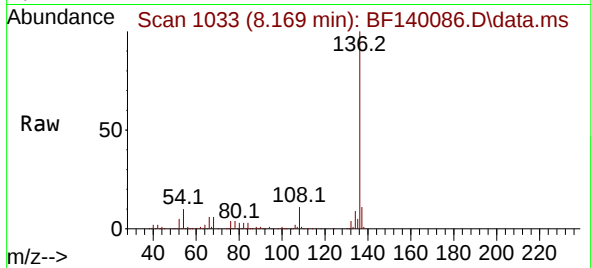




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

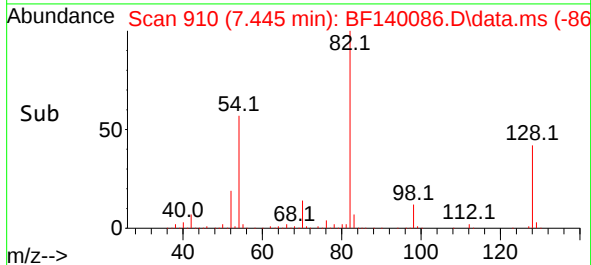
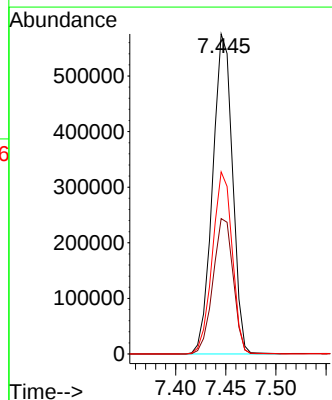
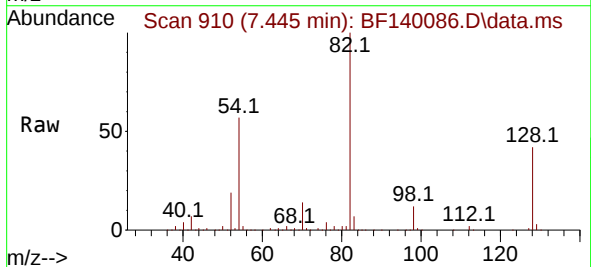
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 439693
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.5 8.4 12.6
68 6.0 5.1 7.7



#23
Nitrobenzene-d5
Concen: 100.198 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

Tgt Ion: 82 Resp: 794903
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.0
54 56.9 47.8 71.8

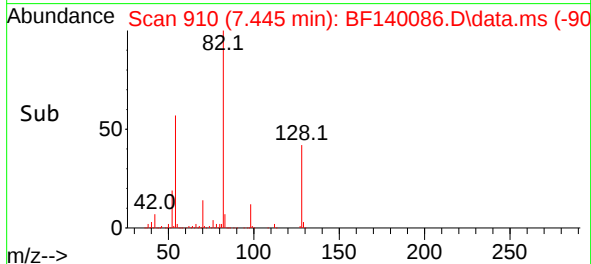
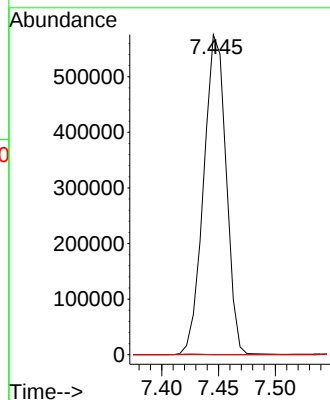
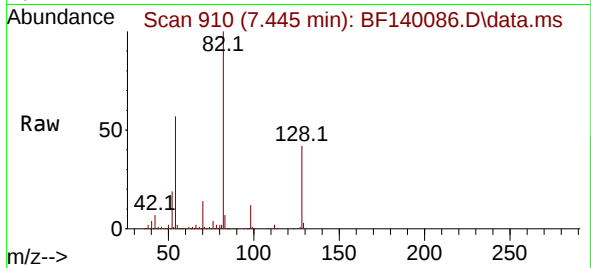




#25
Isophorone
Concen: 52.495 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

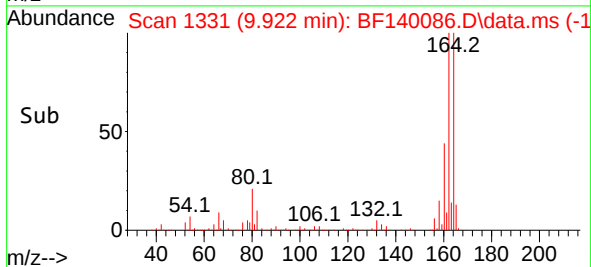
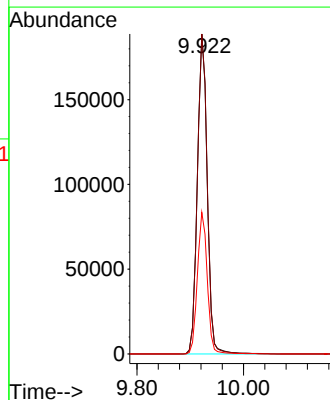
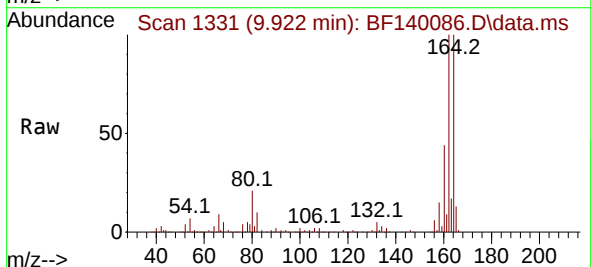
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 790447
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

Tgt Ion:164 Resp: 243777
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 44.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 155.630 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140086.D

Acq: 28 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

WC-1

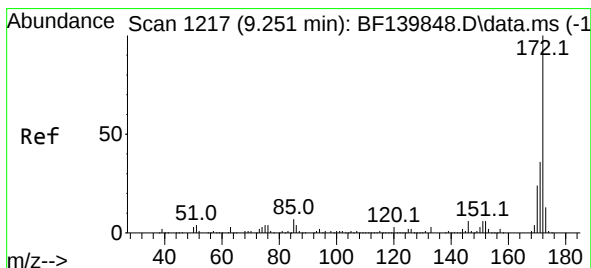
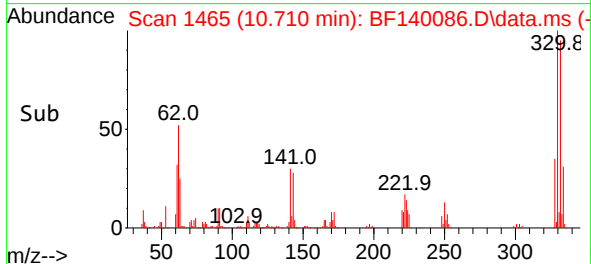
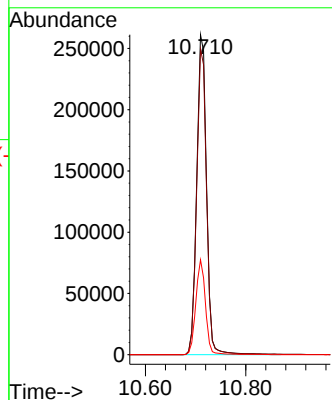
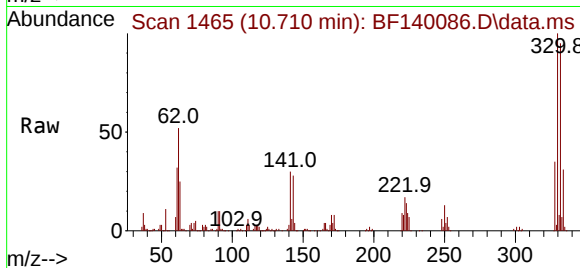
Tgt Ion:330 Resp: 354870

Ion Ratio Lower Upper

330 100

332 95.9 78.1 117.1

141 29.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 97.002 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140086.D

Acq: 28 Oct 2024 14:47

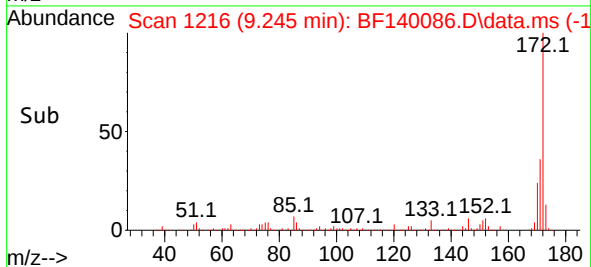
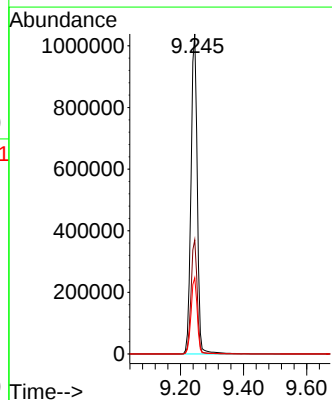
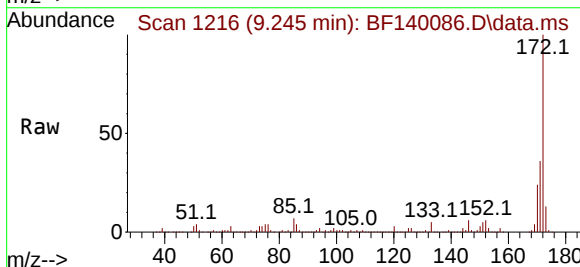
Tgt Ion:172 Resp: 1430805

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.8 19.1 28.7

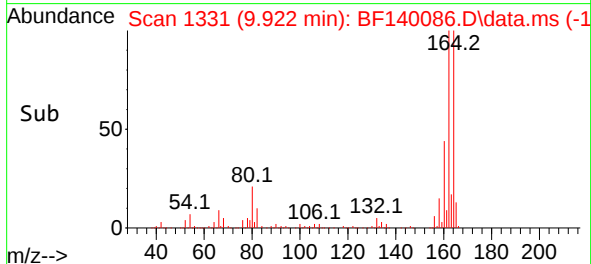
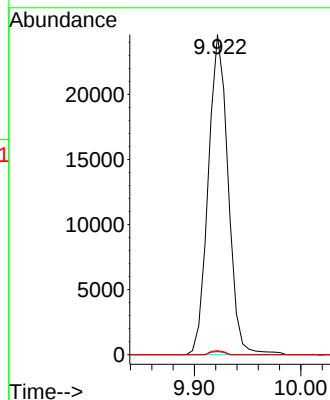
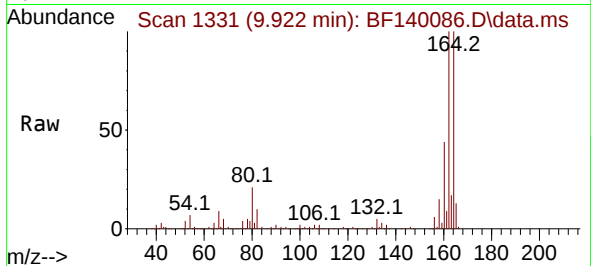




#51
2,6-Dinitrotoluene
Concen: 9.697 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

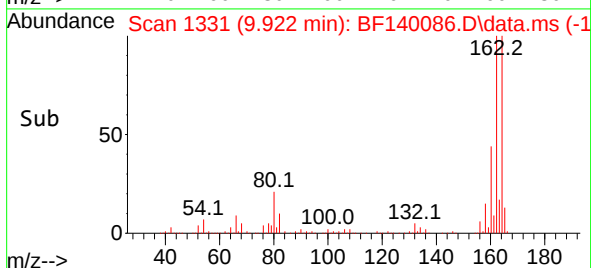
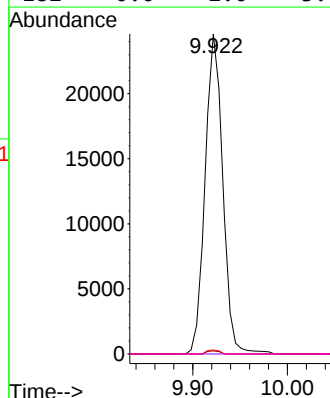
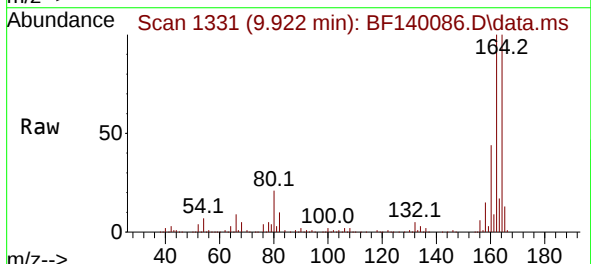
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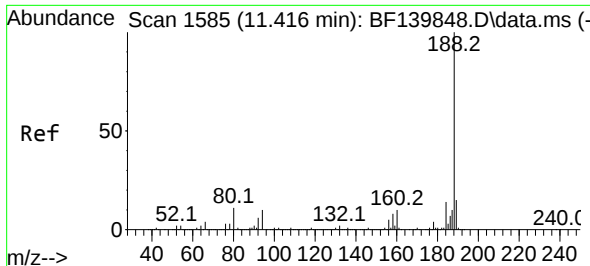
Tgt Ion:165 Resp: 31881
Ion Ratio Lower Upper
165 100
63 0.9 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.885 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

Tgt Ion:165 Resp: 31881
Ion Ratio Lower Upper
165 100
63 0.9 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#

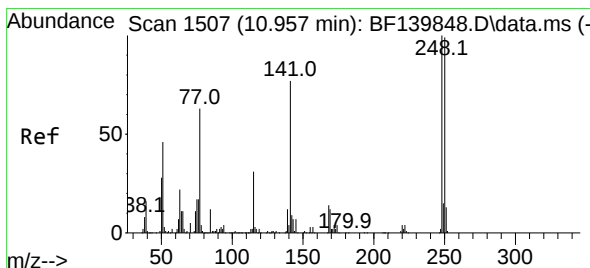
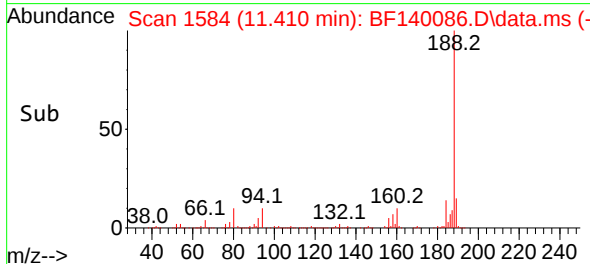
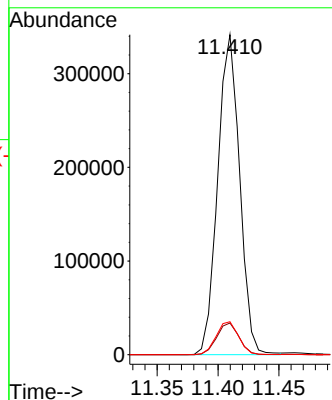
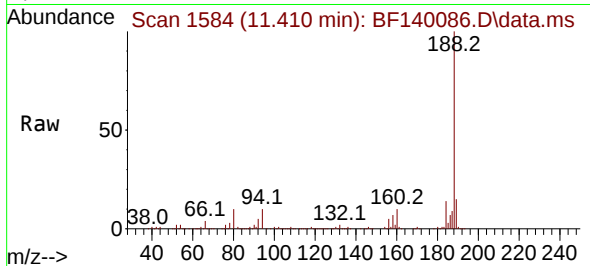




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

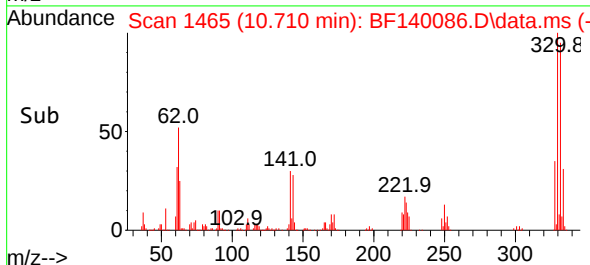
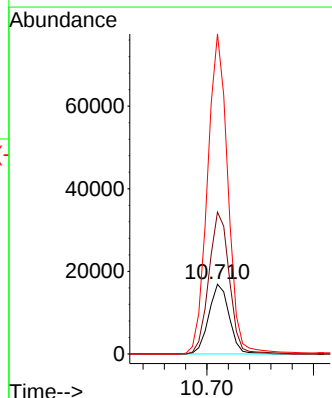
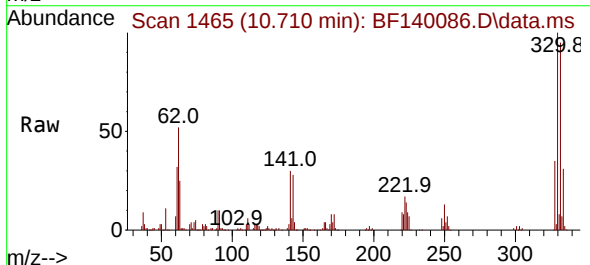
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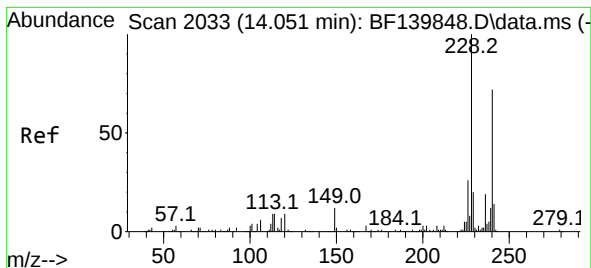
Tgt Ion:188 Resp: 428643
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.3 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140086.D
Acq: 28 Oct 2024 14:47

Tgt Ion:248 Resp: 22512
Ion Ratio Lower Upper
248 100
250 203.6 79.0 118.6#
141 459.1 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140086.D

Acq: 28 Oct 2024 14:47

Instrument :

BNA_F

ClientSampleId :

WC-1

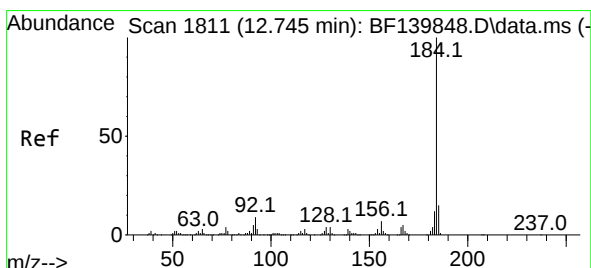
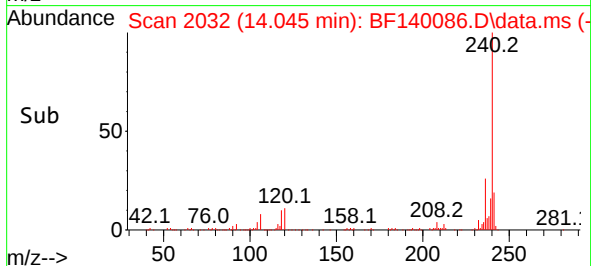
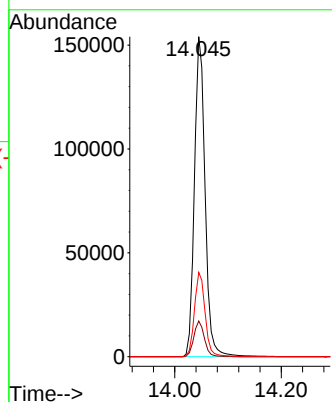
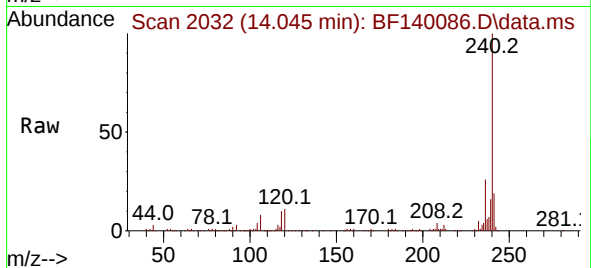
Tgt Ion:240 Resp: 214541

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 26.4 20.9 31.3



#77

Benzidine

Concen: 4.825 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140086.D

Acq: 28 Oct 2024 14:47

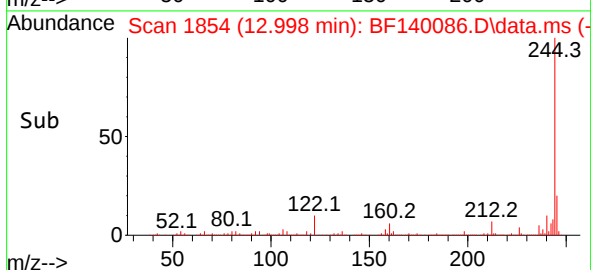
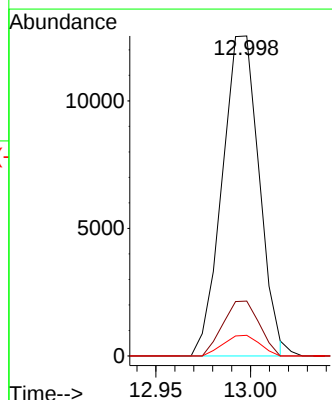
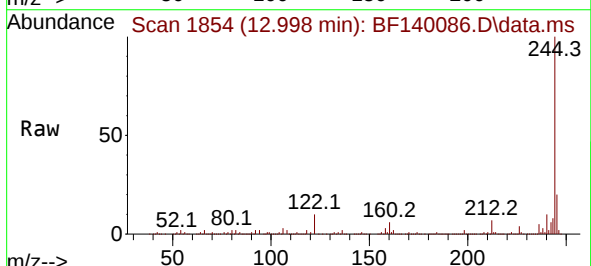
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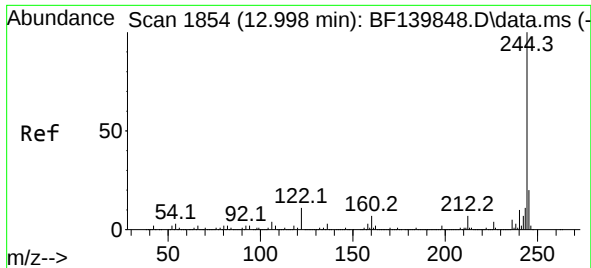
Ion Ratio Lower Upper

184 100

185 17.1 12.0 18.0

183 6.5 9.4 14.2#

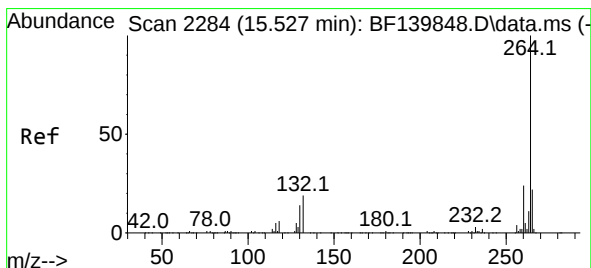
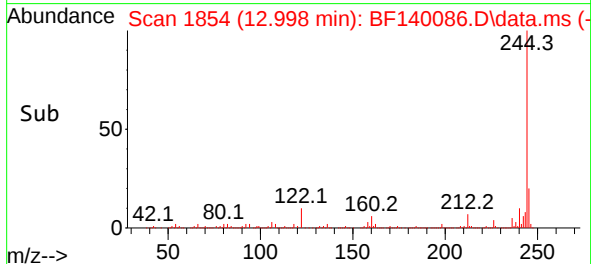
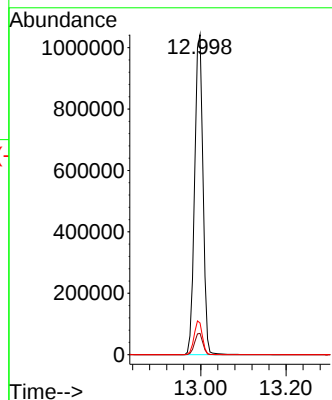
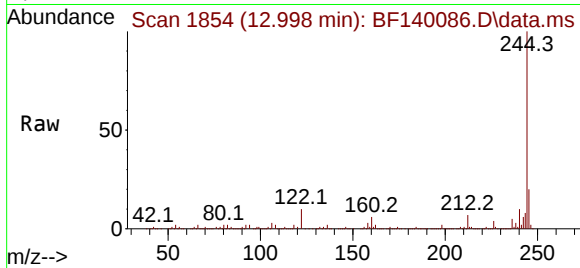




#79
 Terphenyl-d14
 Concen: 107.318 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF140086.D
 Acq: 28 Oct 2024 14:47

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:244 Resp: 1412968
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 9.9 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF140086.D
 Acq: 28 Oct 2024 14:47

Tgt Ion:264 Resp: 247245
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.1 17.4 26.0

