

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081224\
 Data File : BF138943.D
 Acq On : 12 Aug 2024 19:58
 Operator : RC/JU
 Sample : P3506-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4534

Quant Time: Aug 13 01:00:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

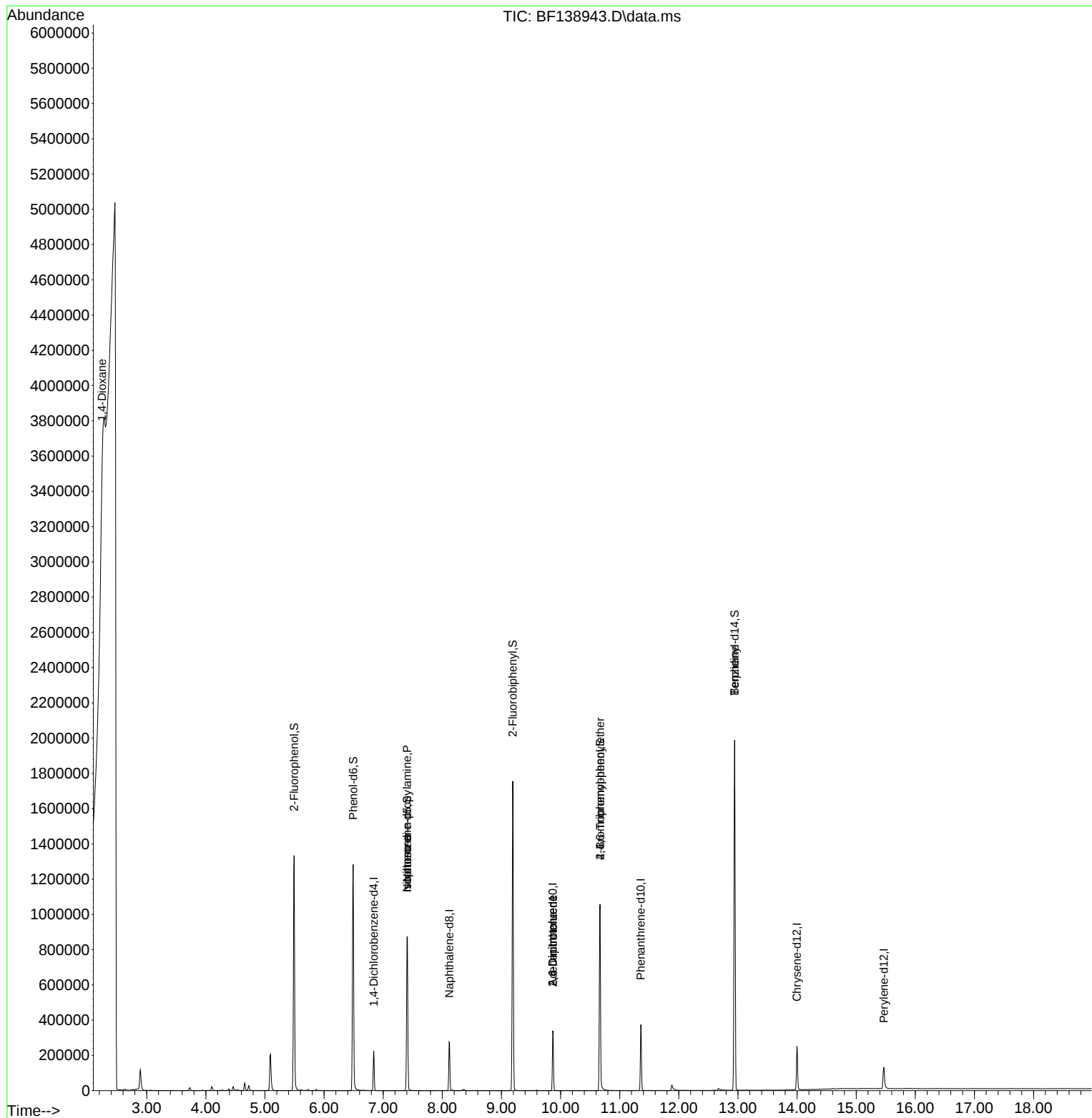
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	41573	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	170793	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	99023	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	194510	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	117031	20.000	ng	0.00
86) Perylene-d12	15.468	264	81727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	458673	170.310	ng	0.02
7) Phenol-d6	6.492	99	590275	163.247	ng	0.00
23) Nitrobenzene-d5	7.404	82	405204	115.994	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	168300	207.488	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	756586	114.798	ng	-0.01
79) Terphenyl-d14	12.945	244	959593	137.281	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.246	88	13074	11.088	ng	# 14
19) n-Nitroso-di-n-propyla...	7.404	70	57246	26.213	ng	# 77
25) Isophorone	7.404	82	405202	67.930	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	12876	9.011	ng	# 20
57) 2,4-Dinitrotoluene	9.869	165	12876	7.063	ng	# 17
67) 4-Bromophenyl-phenylether	10.669	248	11849	5.626	ng	# 1
77) Benzidine	12.945	184	13781	4.923	ng	# 93

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

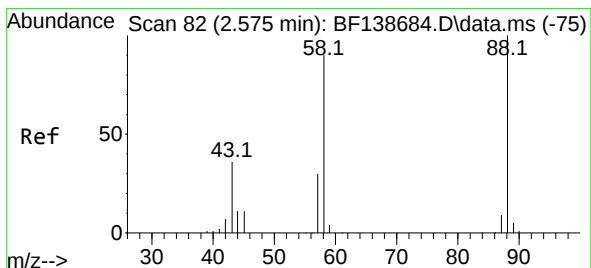
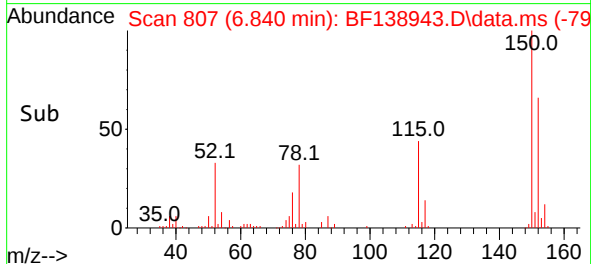
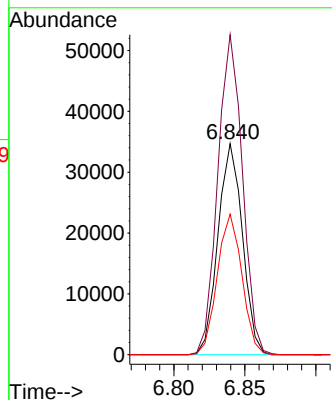
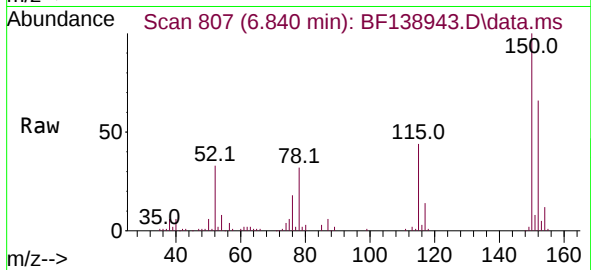




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

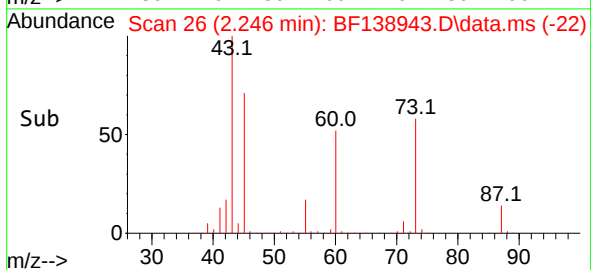
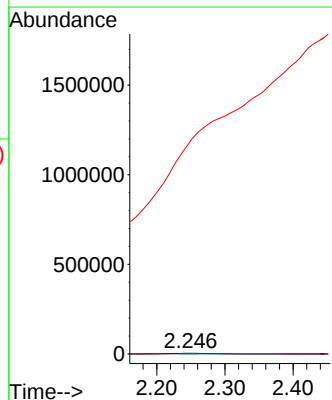
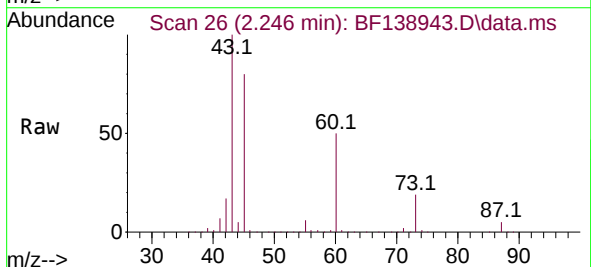
Instrument :
BNA_F
ClientSampleId :
RT4534

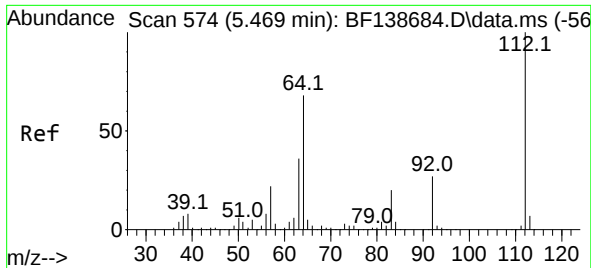
Tgt Ion:152 Resp: 41573
Ion Ratio Lower Upper
152 100
150 151.6 126.0 189.0
115 66.6 51.7 77.5



#2
1,4-Dioxane
Concen: 11.088 ng
RT: 2.246 min Scan# 26
Delta R.T. -0.329 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

Tgt Ion: 88 Resp: 13074
Ion Ratio Lower Upper
88 100
58 0.0 71.6 107.4#
43 0.0 28.7 43.1#

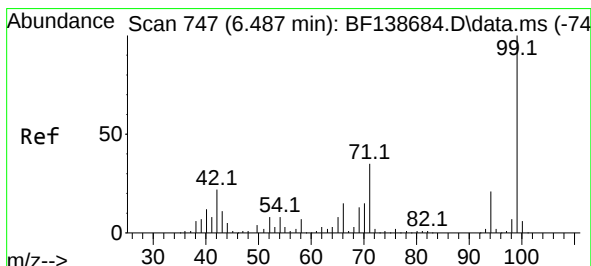
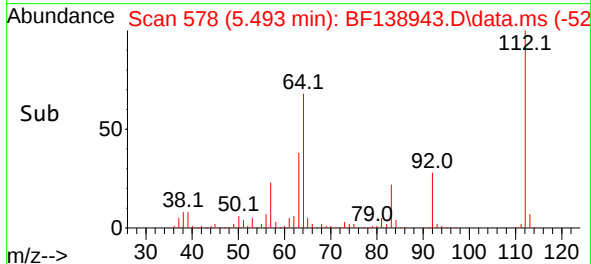
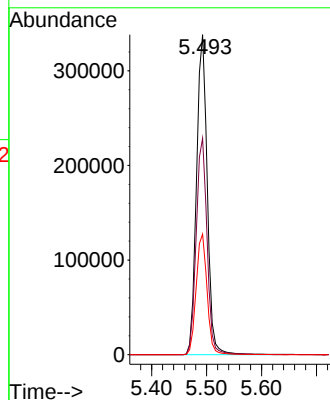
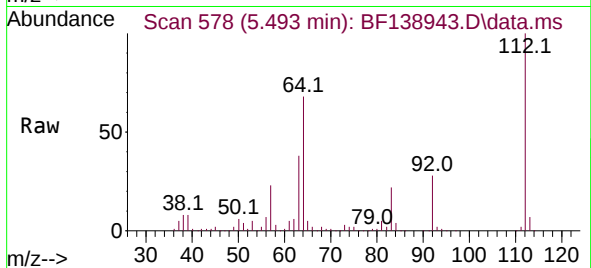




#5
2-Fluorophenol
Concen: 170.310 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

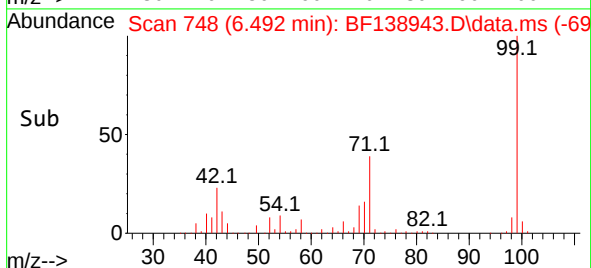
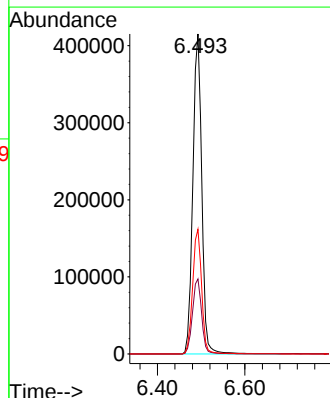
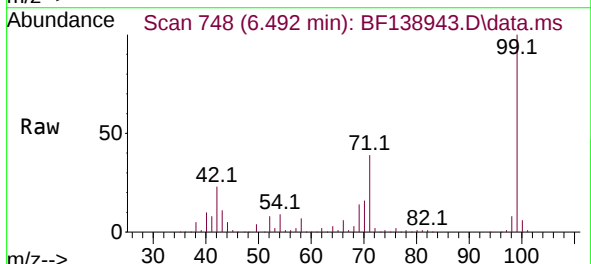
Instrument :
BNA_F
ClientSampleId :
RT4534

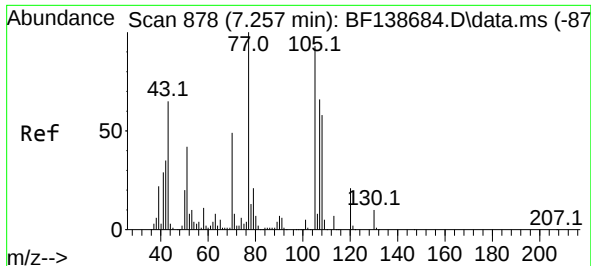
Tgt Ion:112 Resp: 458673
Ion Ratio Lower Upper
112 100
64 67.6 54.2 81.4
63 37.7 28.7 43.1



#7
Phenol-d6
Concen: 163.247 ng
RT: 6.492 min Scan# 748
Delta R.T. 0.006 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

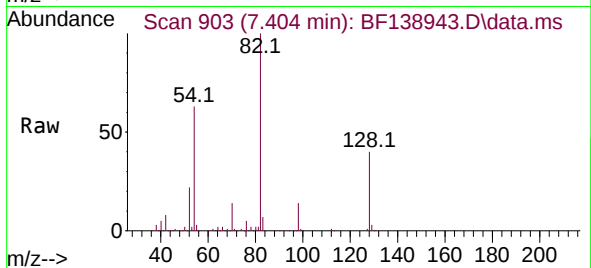
Tgt Ion: 99 Resp: 590275
Ion Ratio Lower Upper
99 100
42 23.4 17.4 26.0
71 38.9 28.1 42.1



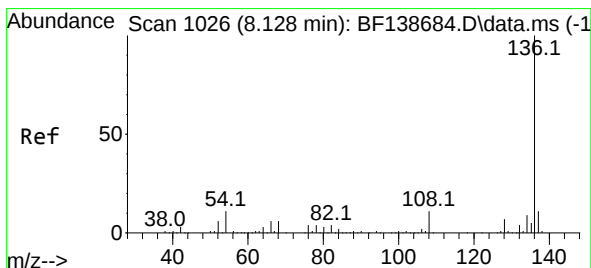
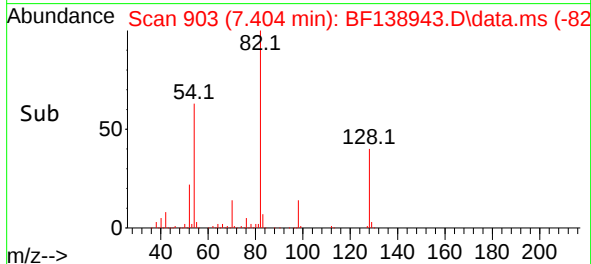
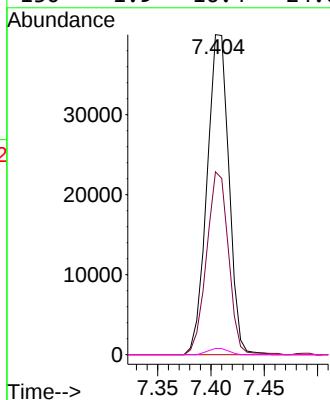


#19
n-Nitroso-di-n-propylamine
Concen: 26.213 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

Instrument :
BNA_F
ClientSampleId :
RT4534

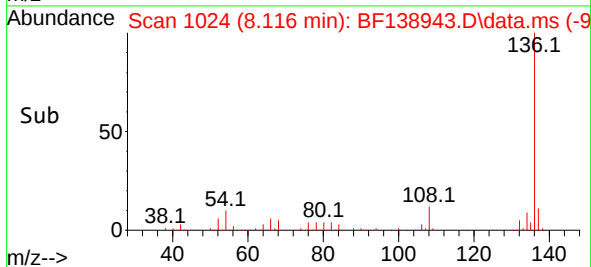
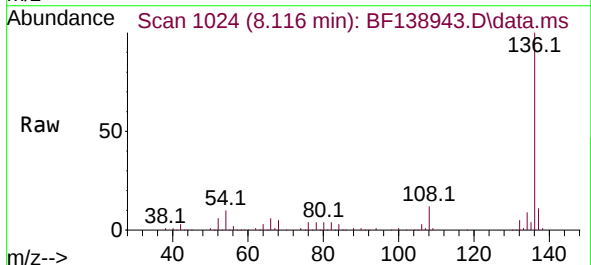
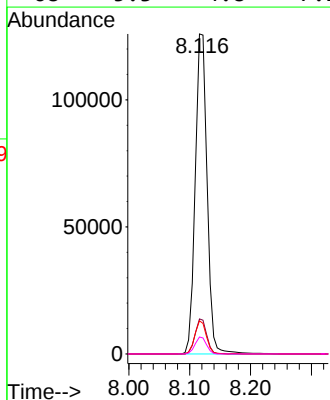


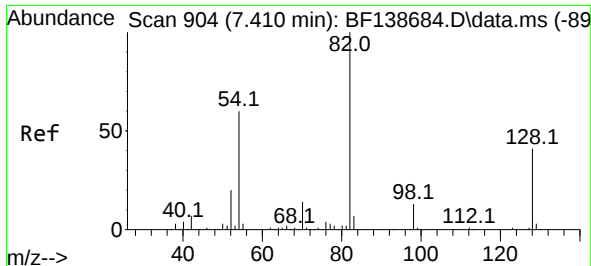
Tgt Ion: 70 Resp: 57246
Ion Ratio Lower Upper
70 100
42 57.2 57.4 86.0#
101 0.0 7.5 11.3#
130 1.9 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

Tgt Ion: 136 Resp: 170793
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.4 8.6 12.8
68 5.3 4.8 7.2

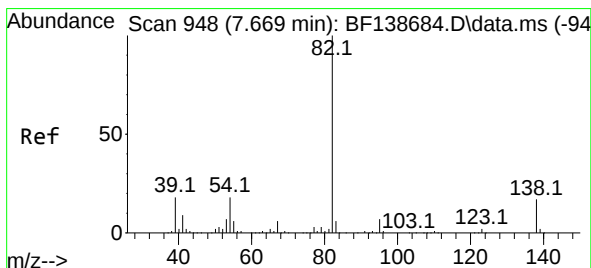
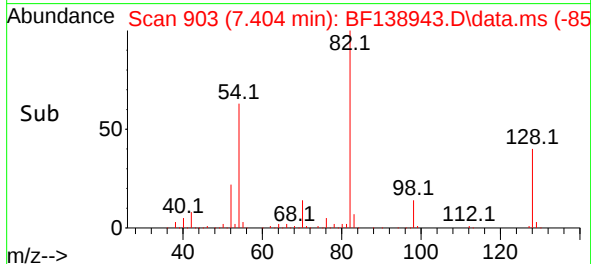
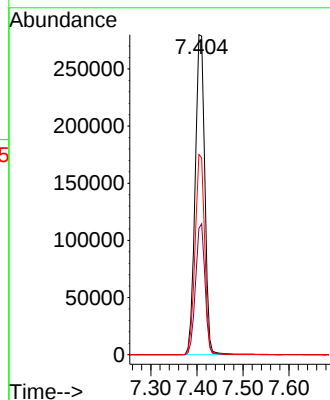
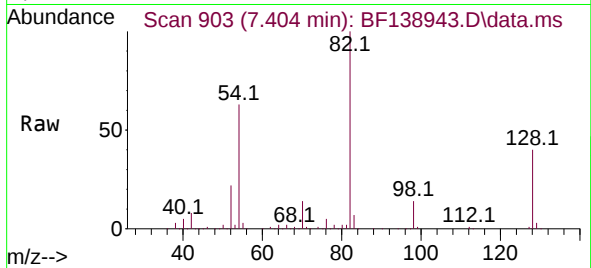




#23
Nitrobenzene-d5
Concen: 115.994 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

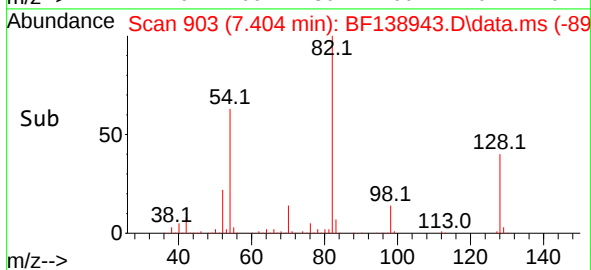
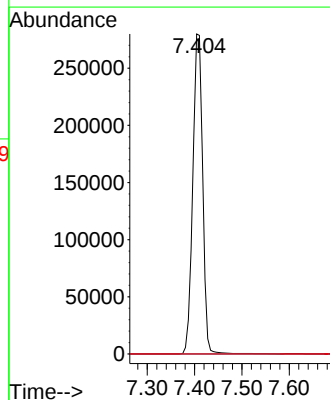
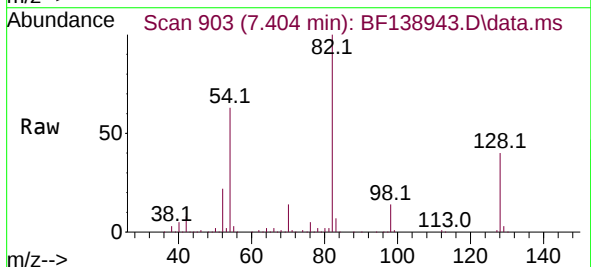
Instrument :
BNA_F
ClientSampleId :
RT4534

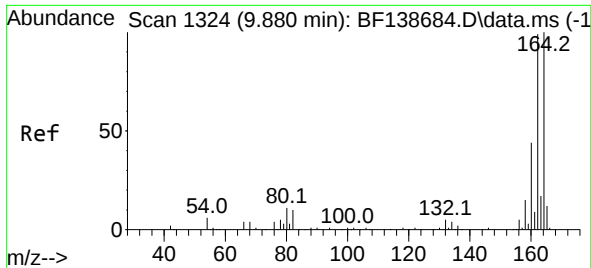
Tgt Ion: 82 Resp: 405204
Ion Ratio Lower Upper
82 100
128 39.5 32.8 49.2
54 62.5 48.3 72.5



#25
Isophorone
Concen: 67.930 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.265 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

Tgt Ion: 82 Resp: 405202
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#

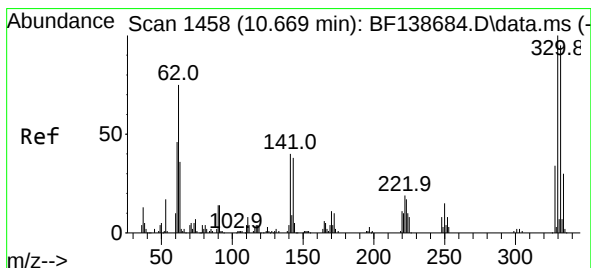
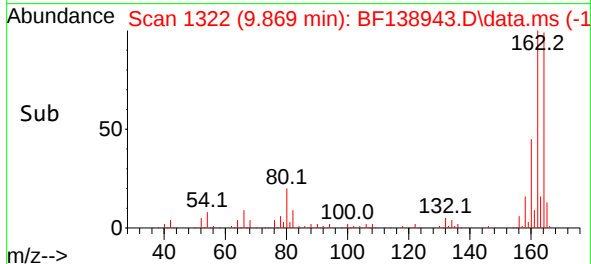
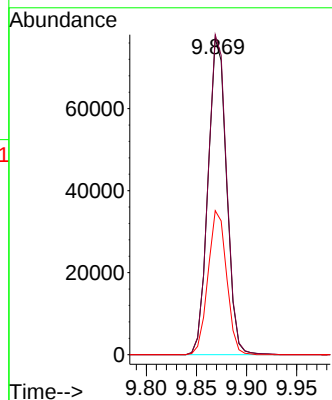
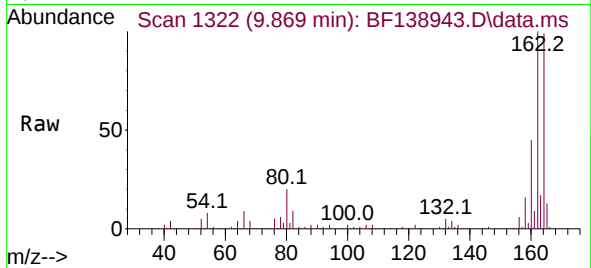




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.869 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BF138943.D
 Acq: 12 Aug 2024 19:58

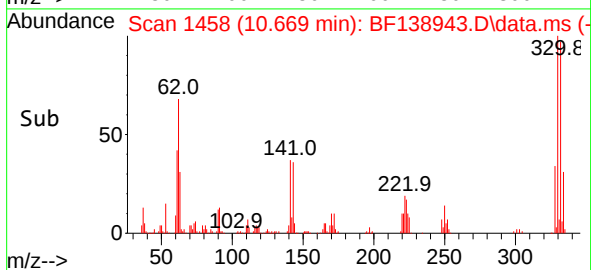
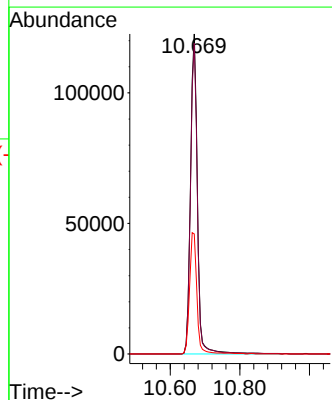
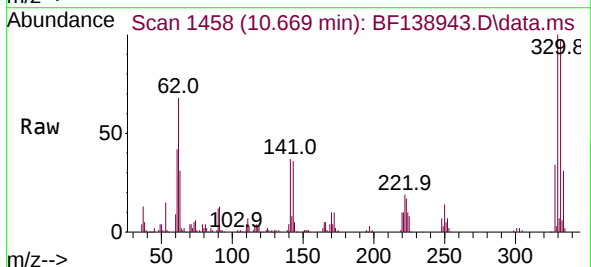
Instrument :
 BNA_F
 ClientSampleId :
 RT4534

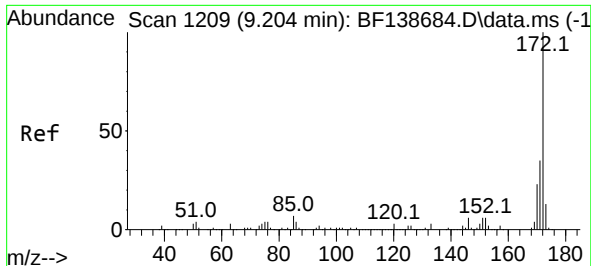
Tgt Ion:164 Resp: 99023
 Ion Ratio Lower Upper
 164 100
 162 101.2 79.4 119.0
 160 45.5 35.1 52.7



#42
 2,4,6-Tribromophenol
 Concen: 207.488 ng
 RT: 10.669 min Scan# 1458
 Delta R.T. 0.000 min
 Lab File: BF138943.D
 Acq: 12 Aug 2024 19:58

Tgt Ion:330 Resp: 168300
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.4 114.6
 141 40.0 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 114.798 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138943.D

Acq: 12 Aug 2024 19:58

Instrument :

BNA_F

ClientSampleId :

RT4534

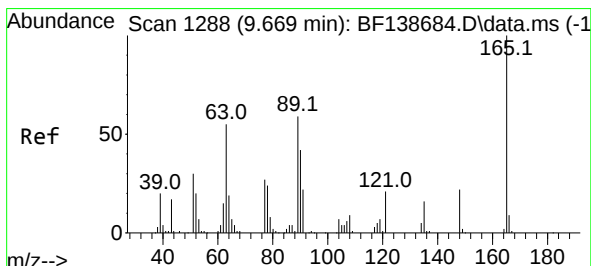
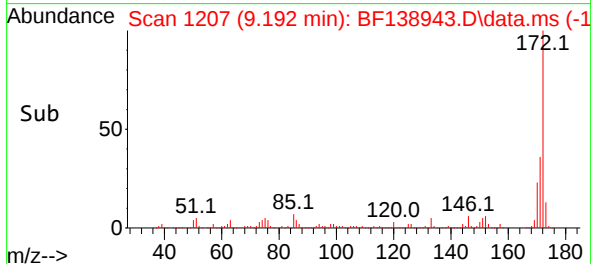
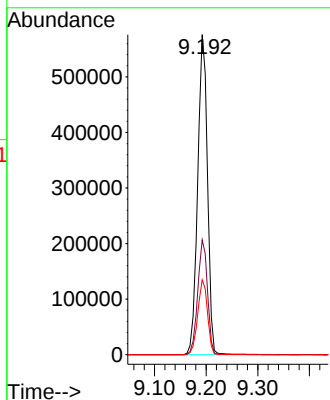
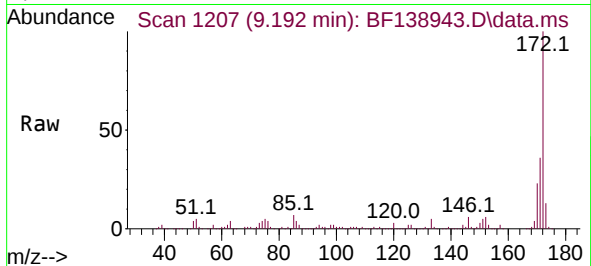
Tgt Ion:172 Resp: 756586

Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 23.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.011 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.200 min

Lab File: BF138943.D

Acq: 12 Aug 2024 19:58

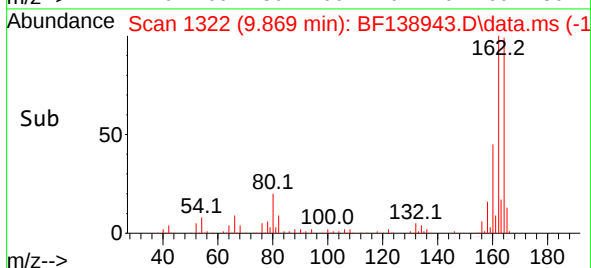
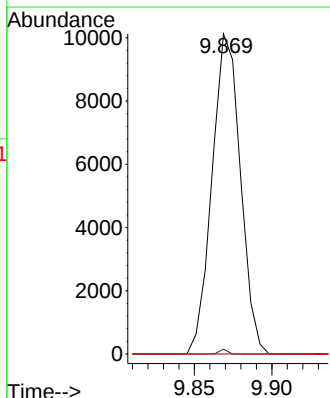
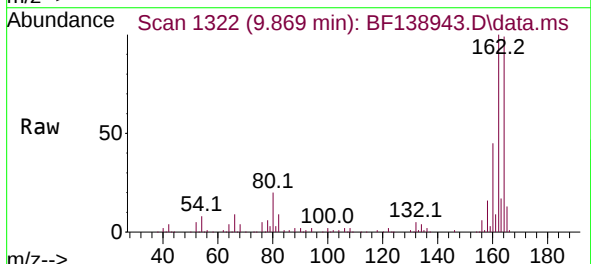
Tgt Ion:165 Resp: 12876

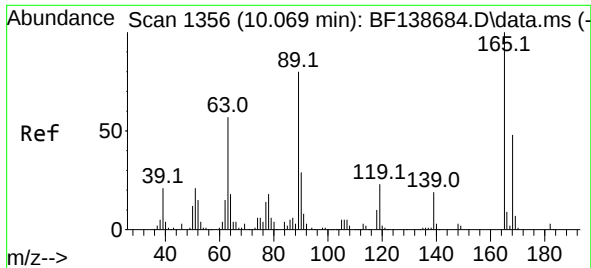
Ion Ratio Lower Upper

165 100

63 1.5 52.0 78.0#

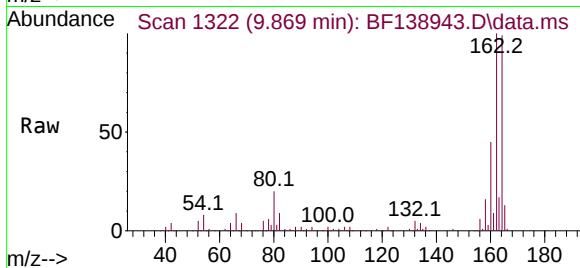
89 0.0 47.0 70.6#



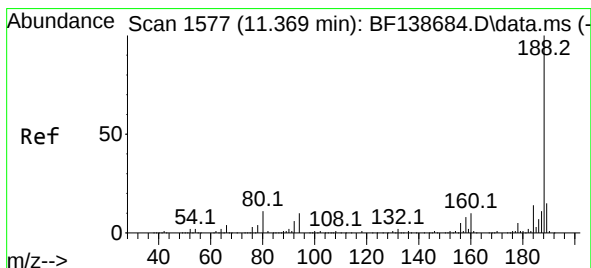
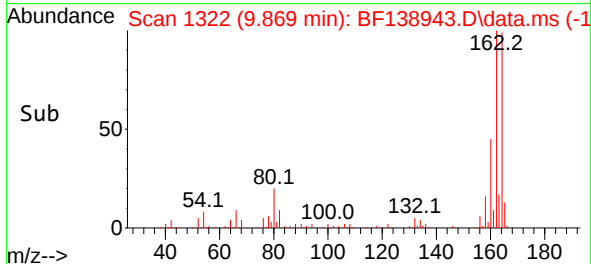
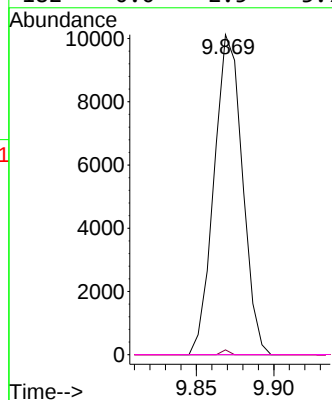


#57
2,4-Dinitrotoluene
Concen: 7.063 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

Instrument :
BNA_F
ClientSampleId :
RT4534

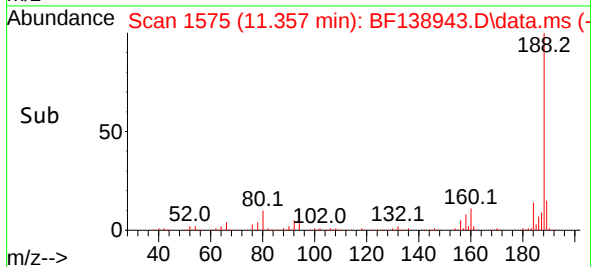
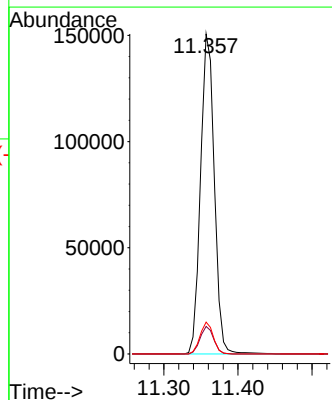
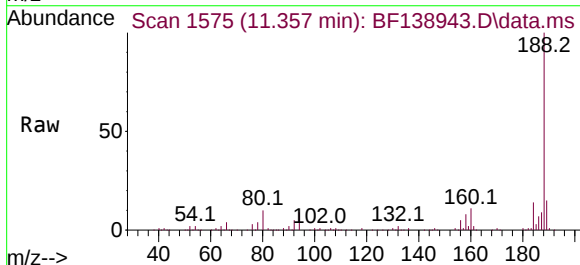


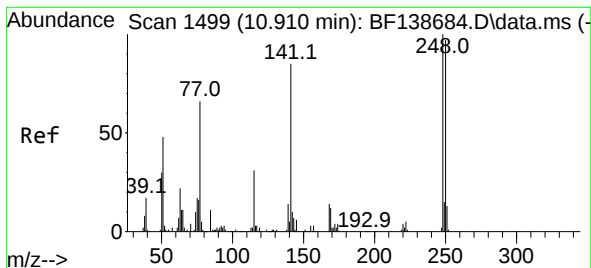
Tgt Ion:	165	Resp:	12876
Ion Ratio	Lower	Upper	
165	100		
63	1.5	46.3	69.5#
89	0.0	64.2	96.4#
182	0.0	2.5	3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

Tgt Ion:	188	Resp:	194510
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.6	11.4
80	9.9	8.6	12.8

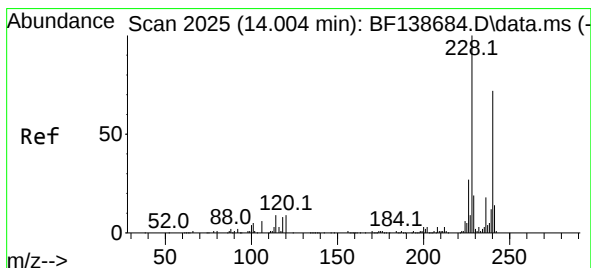
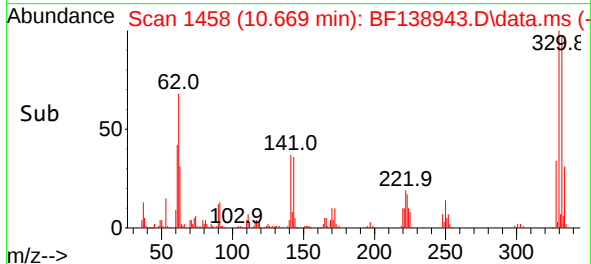
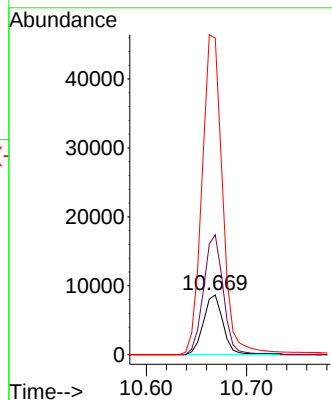
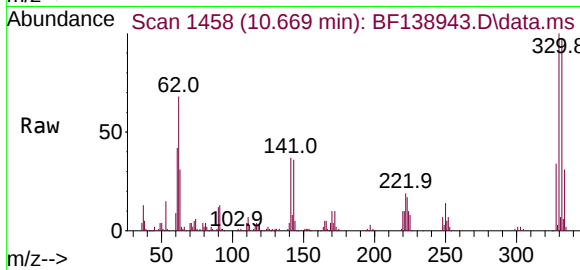




#67
4-Bromophenyl-phenylether
Concen: 5.626 ng
RT: 10.669 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

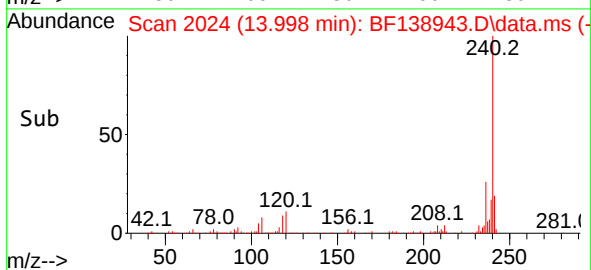
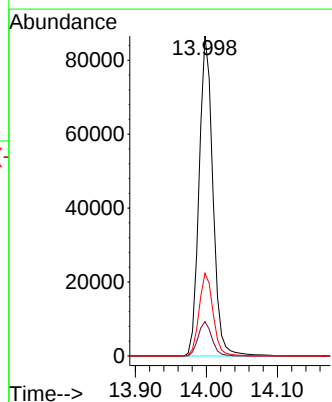
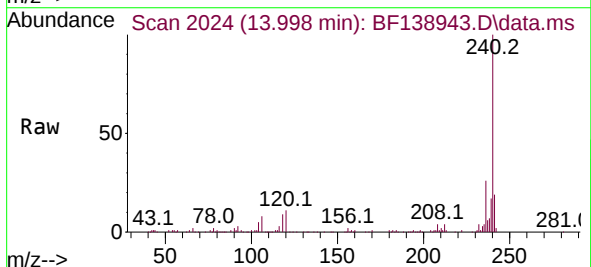
Instrument :
BNA_F
ClientSampleId :
RT4534

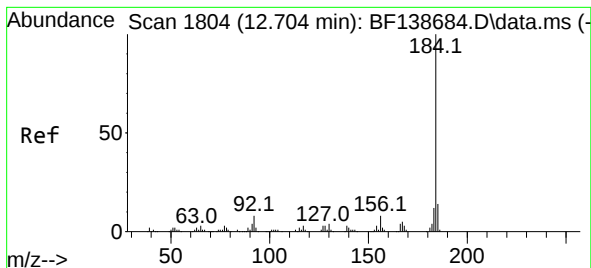
Tgt Ion:248 Resp: 11849
Ion Ratio Lower Upper
248 100
250 200.9 77.7 116.5#
141 530.0 68.0 102.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138943.D
Acq: 12 Aug 2024 19:58

Tgt Ion:240 Resp: 117031
Ion Ratio Lower Upper
240 100
120 10.7 10.2 15.4
236 25.8 19.8 29.8





#77

Benzidine

Concen: 4.923 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.241 min

Lab File: BF138943.D

Acq: 12 Aug 2024 19:58

Instrument :

BNA_F

ClientSampleId :

RT4534

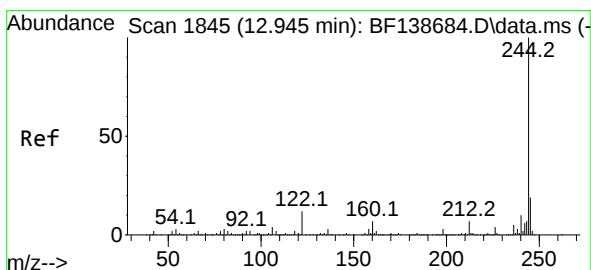
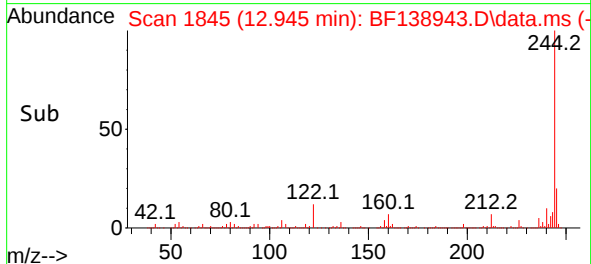
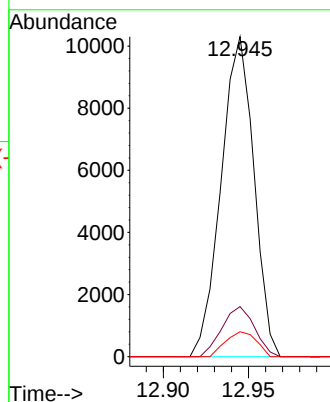
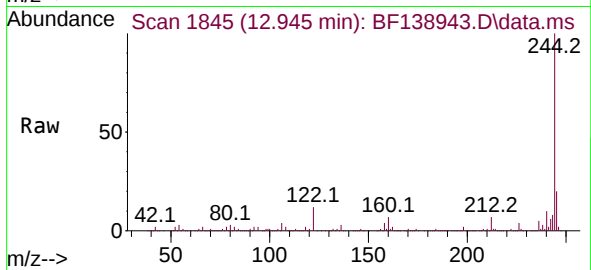
Tgt Ion:184 Resp: 13781

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

183 7.8 9.6 14.4#



#79

Terphenyl-d14

Concen: 137.281 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BF138943.D

Acq: 12 Aug 2024 19:58

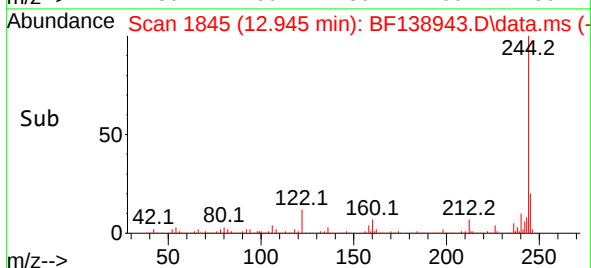
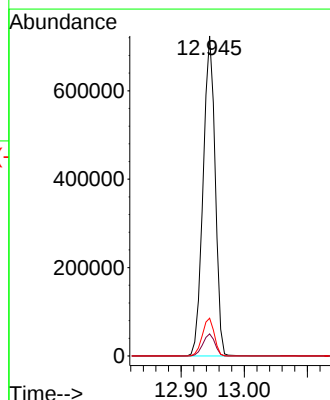
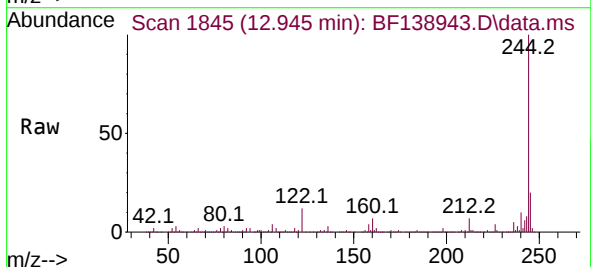
Tgt Ion:244 Resp: 959593

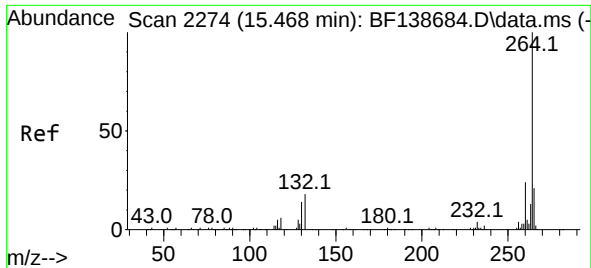
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

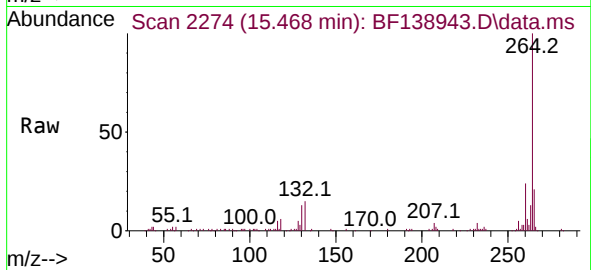
122 11.8 9.6 14.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF138943.D
 Acq: 12 Aug 2024 19:58

Instrument :
 BNA_F
 ClientSampleId :
 RT4534



Tgt Ion:264	Resp:	81727
Ion	Ratio	Lower Upper
264	100	
260	24.3	19.0 28.6
265	21.1	17.0 25.6

