

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139976.D
 Acq On : 23 Oct 2024 20:51
 Operator : RC/JU
 Sample : P4397-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-301-BOT

Quant Time: Oct 24 01:12:16 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)

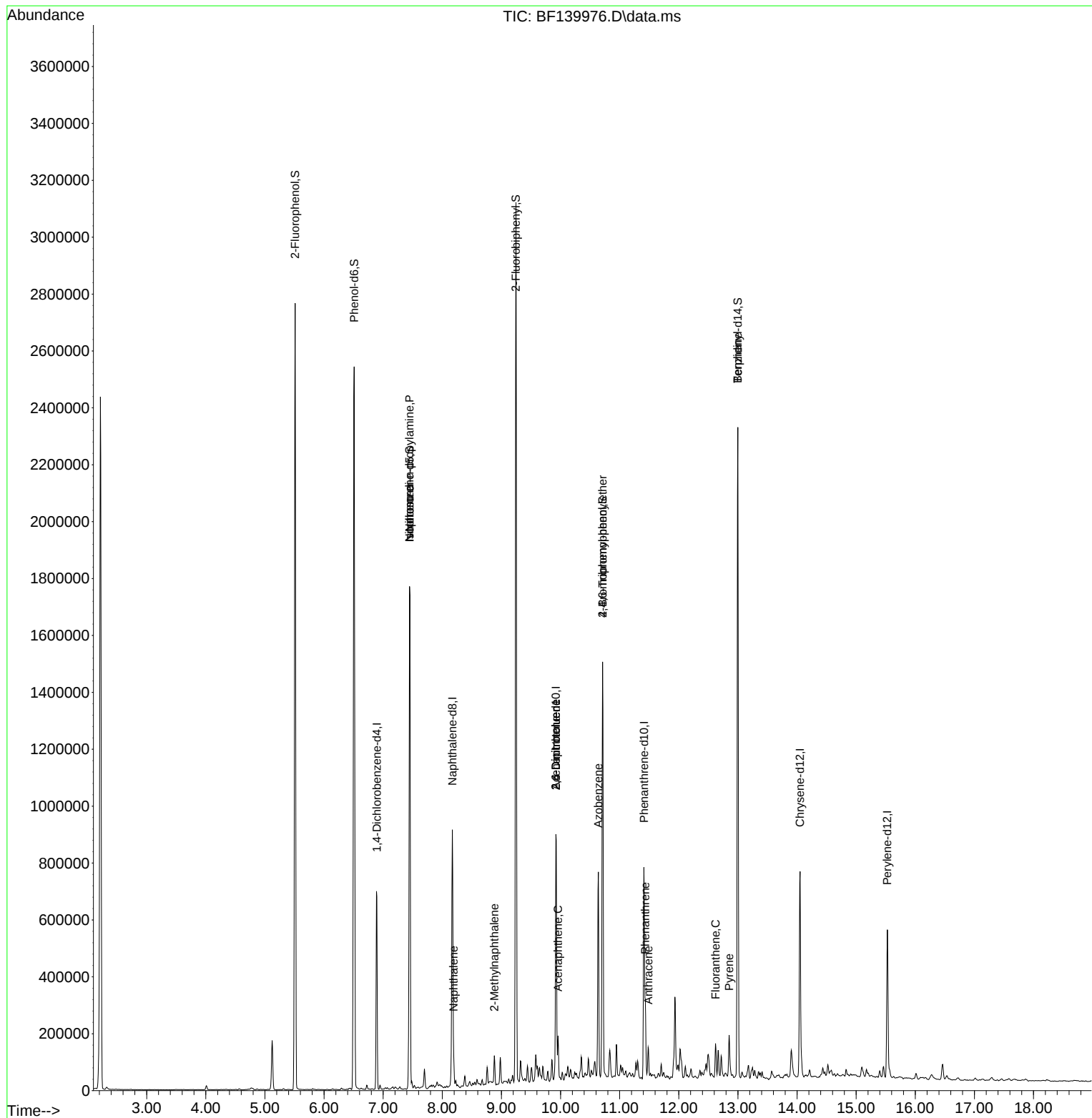
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	146113	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	542139	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	263407	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	381099	20.000	ng	0.00
76) Chrysene-d12	14.051	240	321287	20.000	ng	0.00
86) Perylene-d12	15.527	264	306800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1058310	113.390	ng	0.01
7) Phenol-d6	6.510	99	1308970	108.285	ng	0.00
23) Nitrobenzene-d5	7.445	82	819717	83.801	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	251339	102.012	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1364688	85.625	ng	0.00
79) Terphenyl-d14	12.998	244	1135897	57.610	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	113034	15.418	ng	# 76
25) Isophorone	7.445	82	816010	43.952	ng	# 67
31) Naphthalene	8.192	128	56302	2.014	ng	99
37) 2-Methylnaphthalene	8.881	142	37673	2.200	ng	98
51) 2,6-Dinitrotoluene	9.922	165	35802	10.078	ng	# 22
52) Acenaphthene	9.957	154	43848	3.175	ng	98
57) 2,4-Dinitrotoluene	9.922	165	35802	8.195	ng	# 22
63) Azobenzene	10.639	77	180254	10.554	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	16426	4.184	ng	# 1
71) Phenanthrene	11.433	178	135628	7.534	ng	99
72) Anthracene	11.486	178	43687	2.487	ng	99
75) Fluoranthene	12.622	202	61855	3.399	ng	100
77) Benzidine	12.998	184	14442	2.734	ng	# 93
78) Pyrene	12.851	202	81427	2.895	ng	99

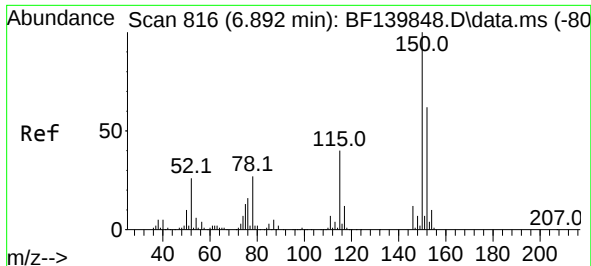
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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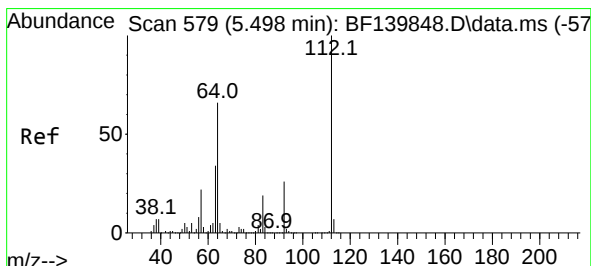
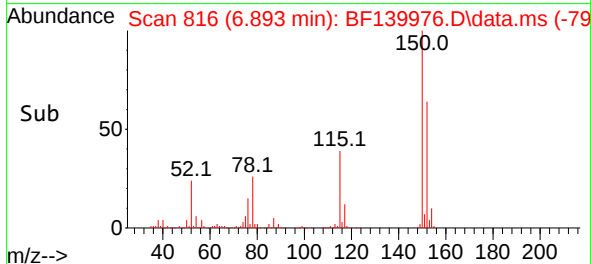
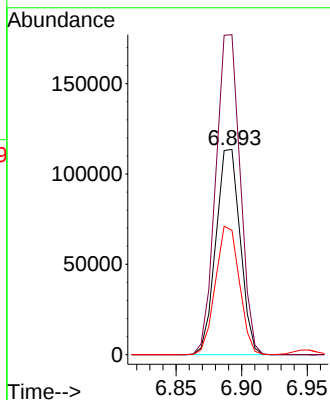
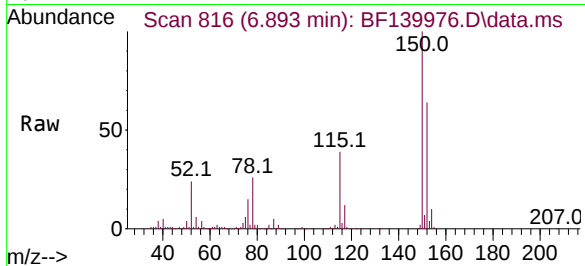




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

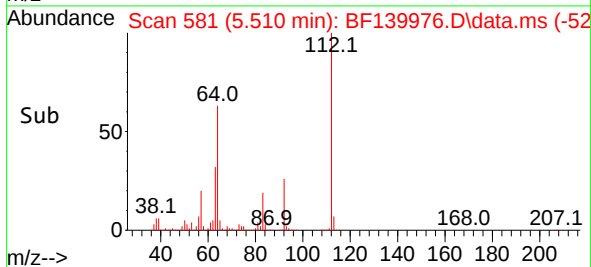
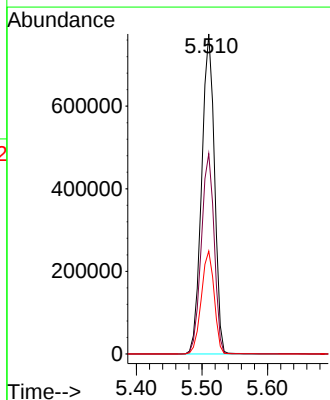
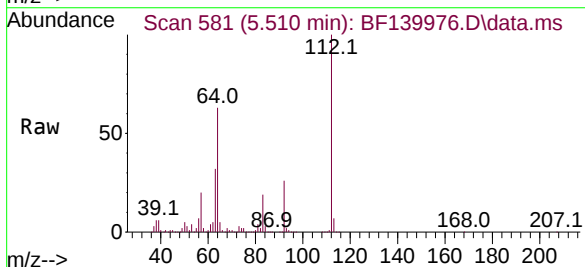
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

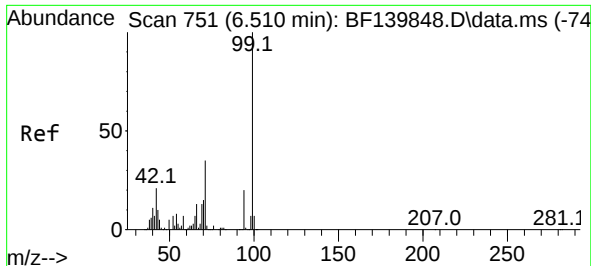
Tgt Ion:152 Resp: 146113
Ion Ratio Lower Upper
152 100
150 155.9 130.2 195.2
115 60.5 51.4 77.2



#5
2-Fluorophenol
Concen: 113.390 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion:112 Resp: 1058310
Ion Ratio Lower Upper
112 100
64 62.6 53.0 79.6
63 32.2 27.0 40.4

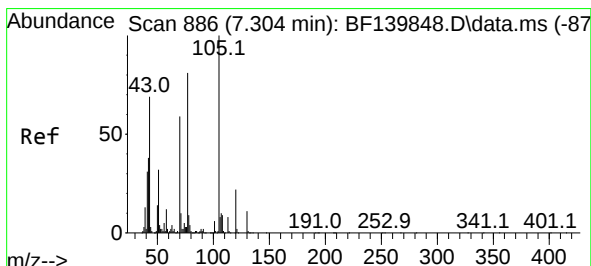
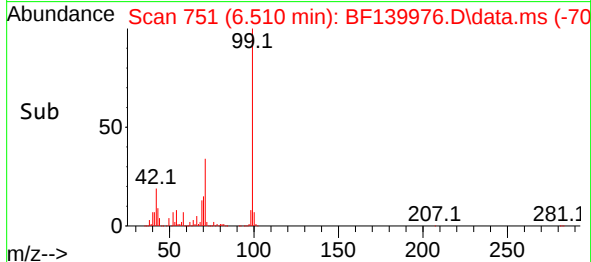
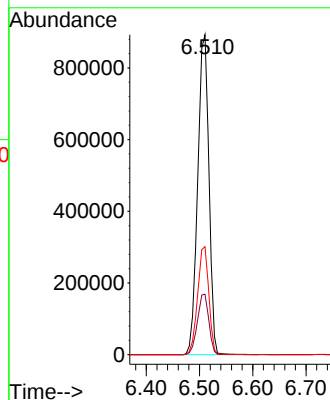
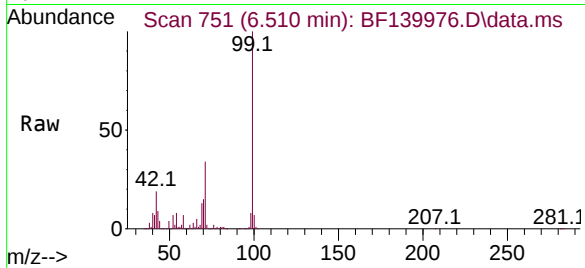




#7
Phenol-d6
Concen: 108.285 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

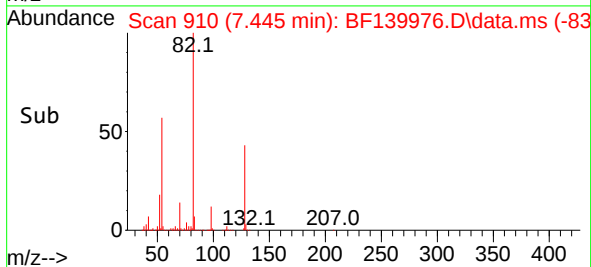
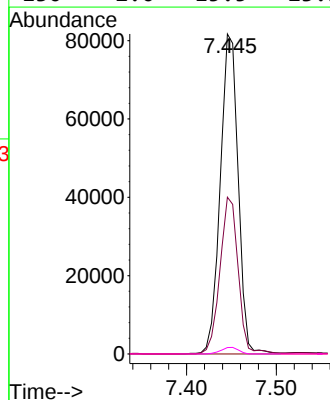
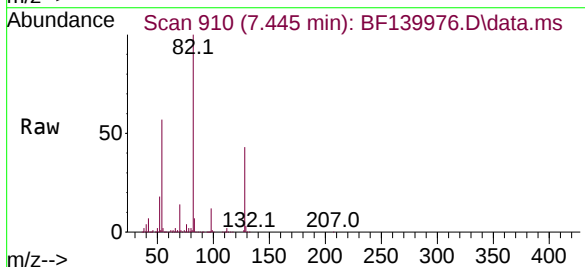
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

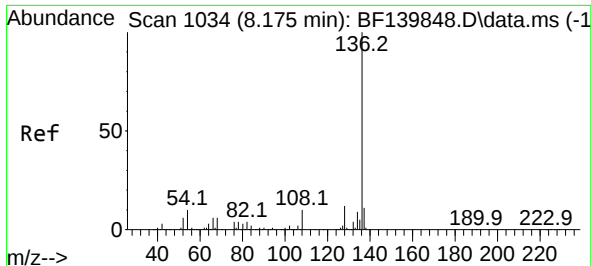
Tgt Ion: 99 Resp: 1308970
Ion Ratio Lower Upper
99 100
42 18.9 16.7 25.1
71 33.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.418 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion: 70 Resp: 113034
Ion Ratio Lower Upper
70 100
42 49.0 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



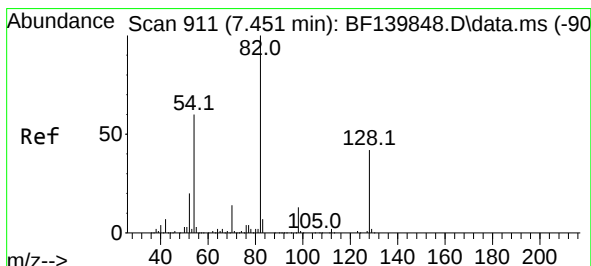
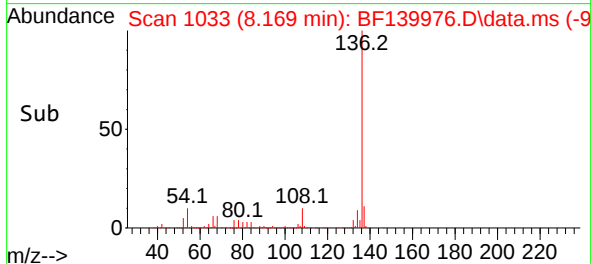
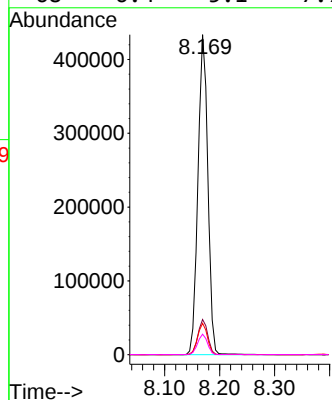
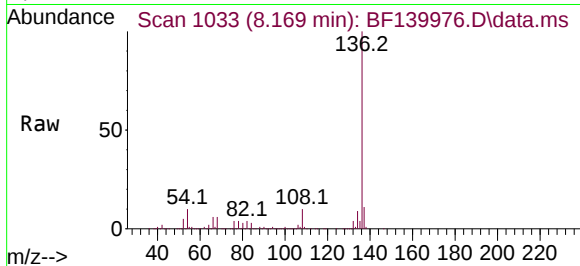


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:136 Resp: 542139

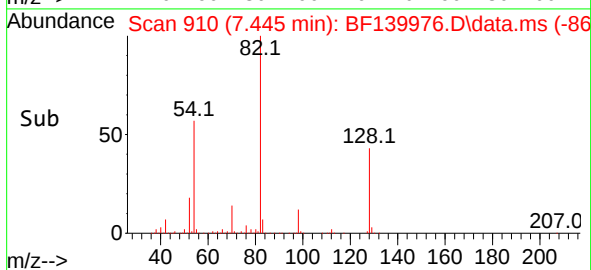
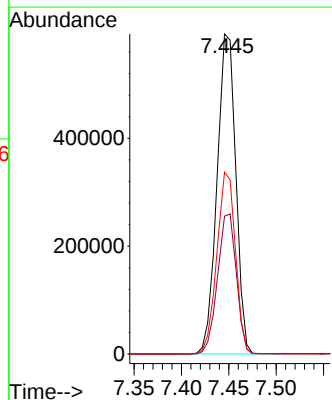
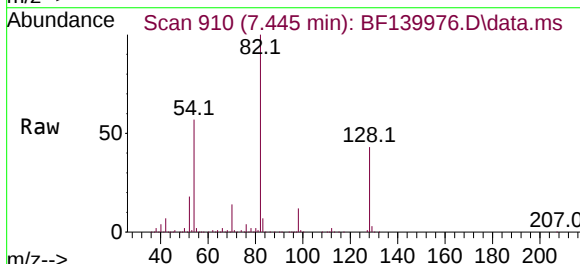
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.8	8.4	12.6
68	6.4	5.1	7.7

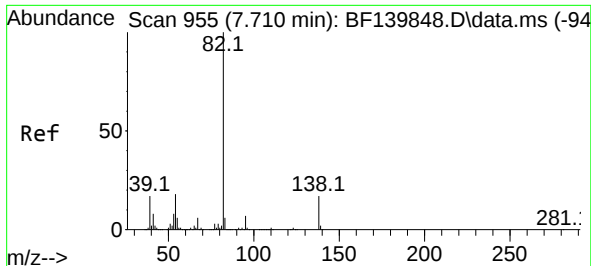


#23
Nitrobenzene-d5
Concen: 83.801 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion: 82 Resp: 819717

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.4	50.0
54	56.8	47.8	71.8

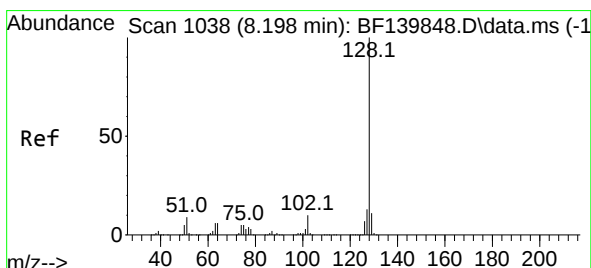
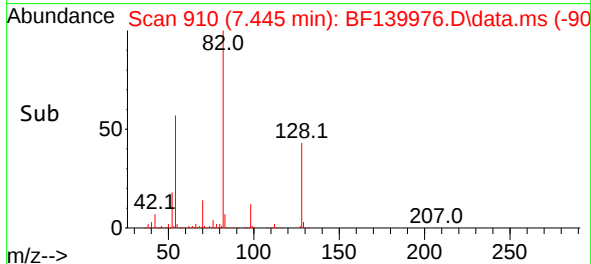
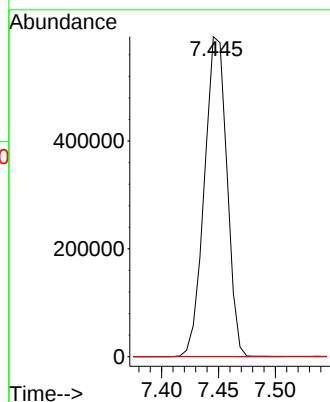
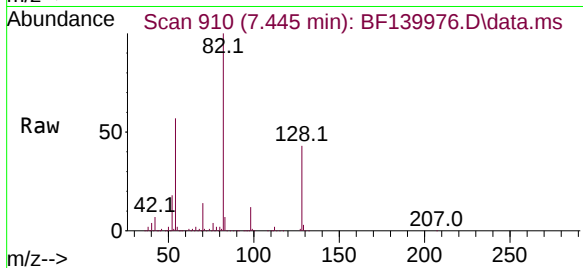




#25
Isophorone
Concen: 43.952 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

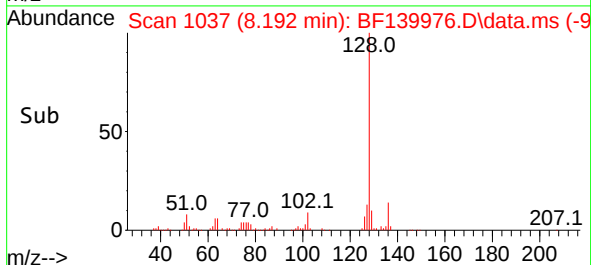
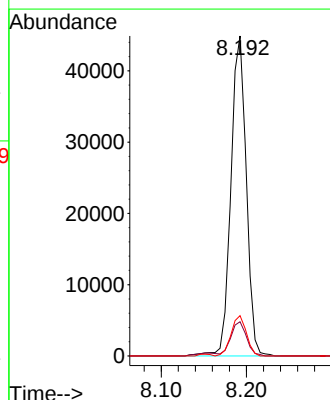
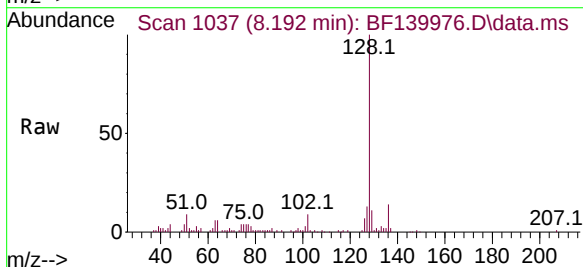
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

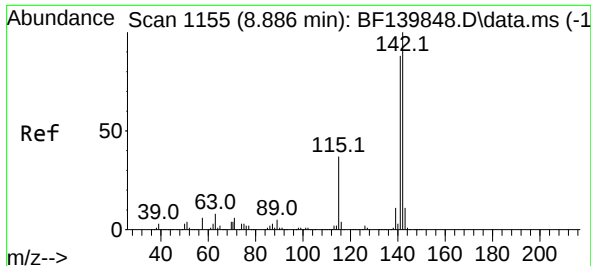
Tgt Ion: 82 Resp: 816010
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#31
Naphthalene
Concen: 2.014 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion: 128 Resp: 56302
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.6 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.200 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139976.D

Acq: 23 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

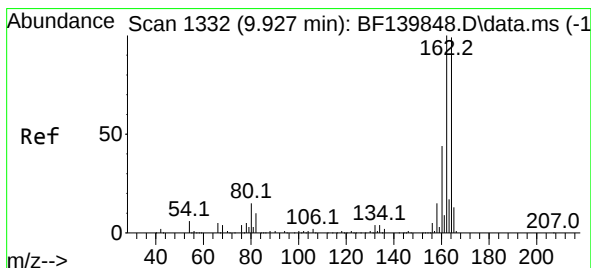
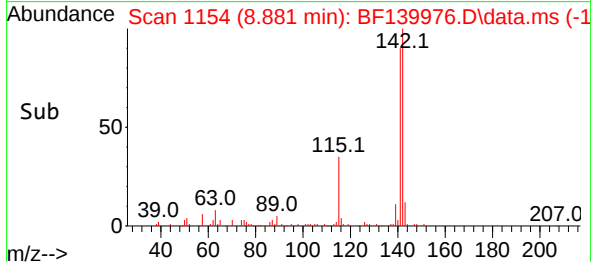
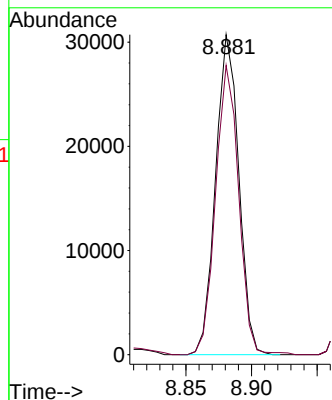
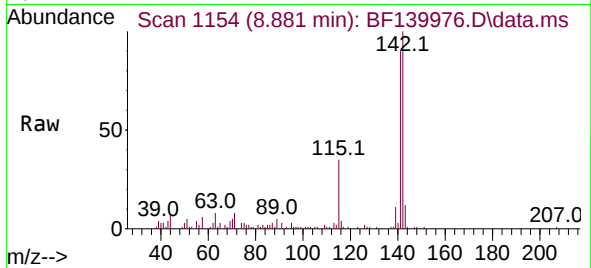
WB-301-BOT

Tgt Ion:142 Resp: 37673

Ion Ratio Lower Upper

142 100

141 90.4 70.8 106.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139976.D

Acq: 23 Oct 2024 20:51

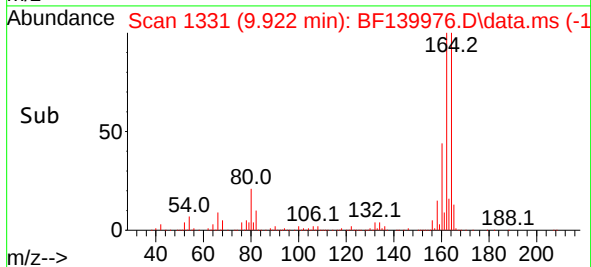
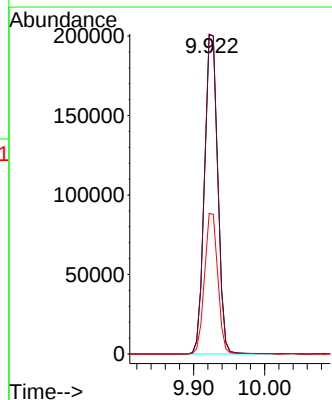
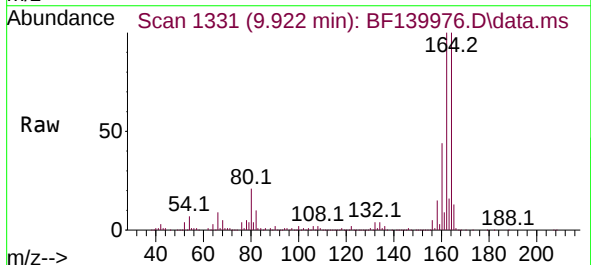
Tgt Ion:164 Resp: 263407

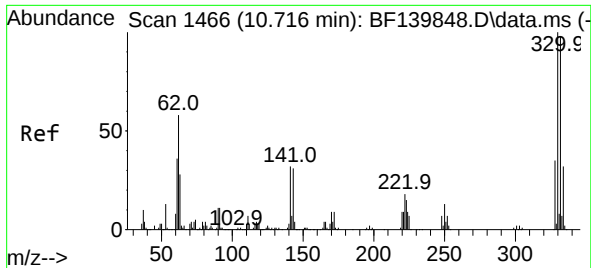
Ion Ratio Lower Upper

164 100

162 100.3 81.0 121.4

160 44.0 35.4 53.0

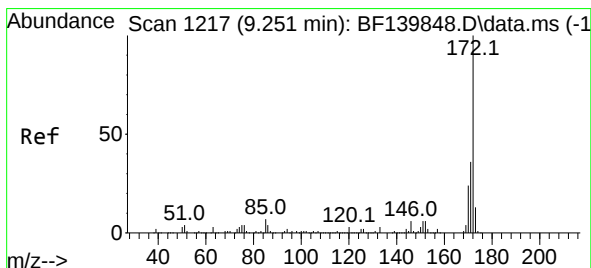
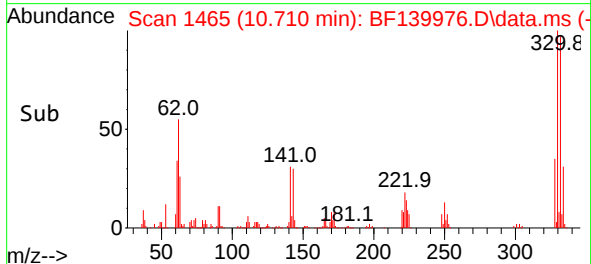
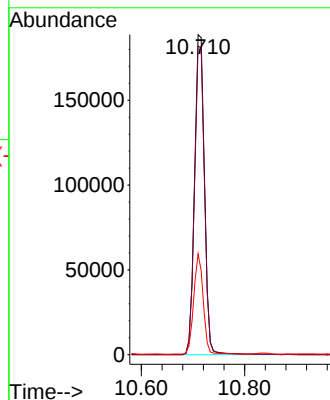
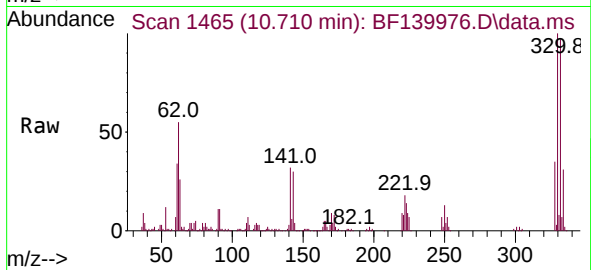




#42
2,4,6-Tribromophenol
Concen: 102.012 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

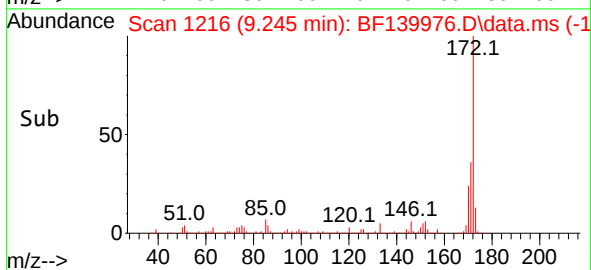
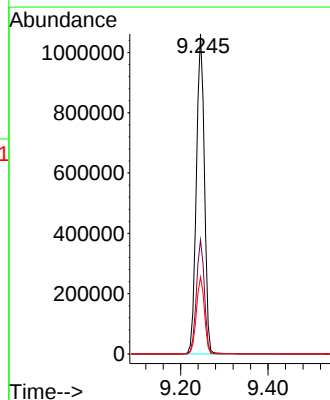
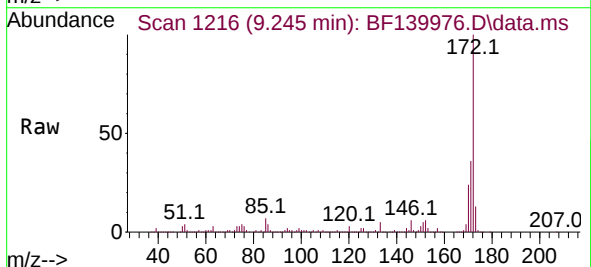
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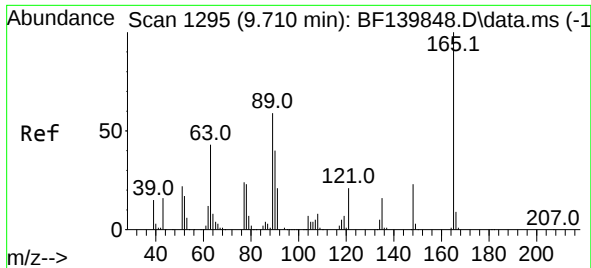
Tgt Ion:330 Resp: 251339
Ion Ratio Lower Upper
330 100
332 96.8 78.1 117.1
141 30.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 85.625 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion:172 Resp: 1364688
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.1 19.1 28.7

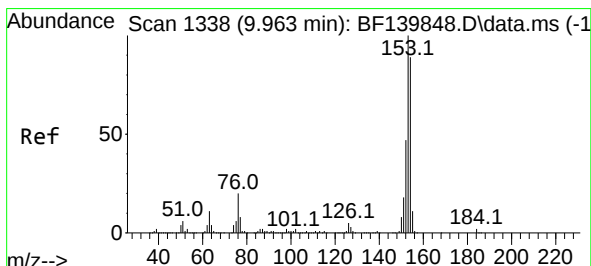
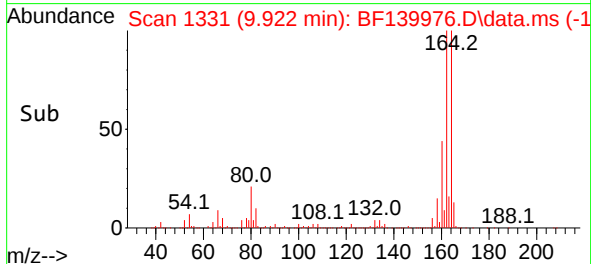
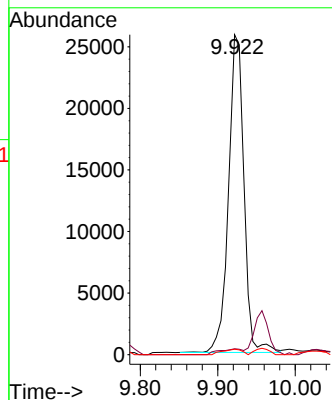
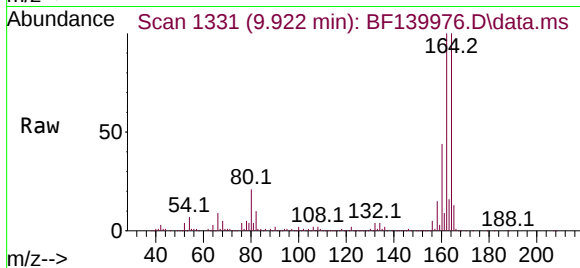




#51
2,6-Dinitrotoluene
Concen: 10.078 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

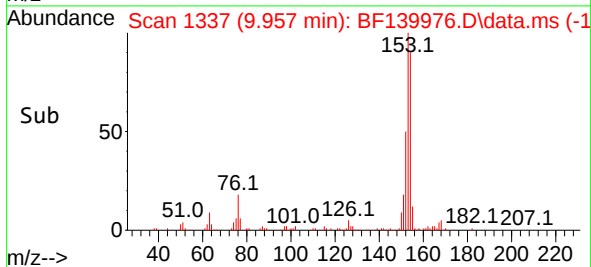
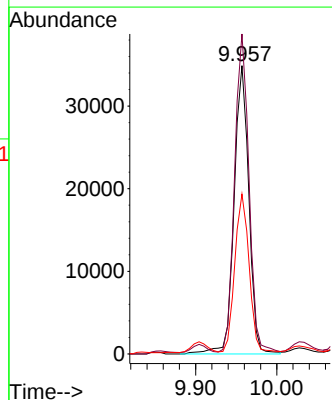
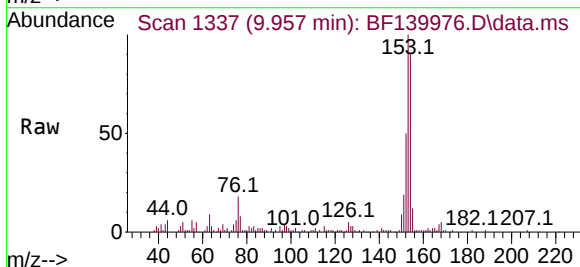
Instrument :
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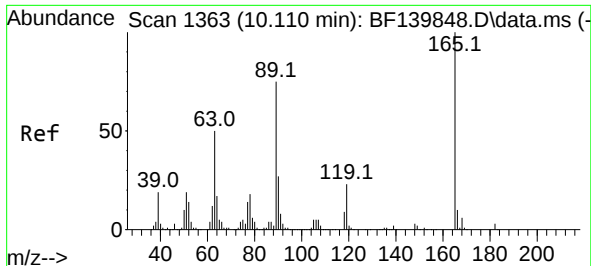
Tgt Ion:165 Resp: 35802
Ion Ratio Lower Upper
165 100
63 1.8 50.6 75.8#
89 1.7 47.5 71.3#



#52
Acenaphthene
Concen: 3.175 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion:154 Resp: 43848
Ion Ratio Lower Upper
154 100
153 111.0 89.8 134.6
152 55.5 42.4 63.6

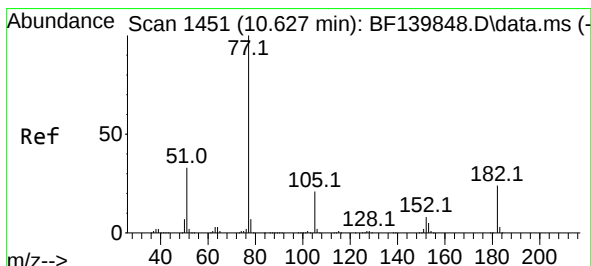
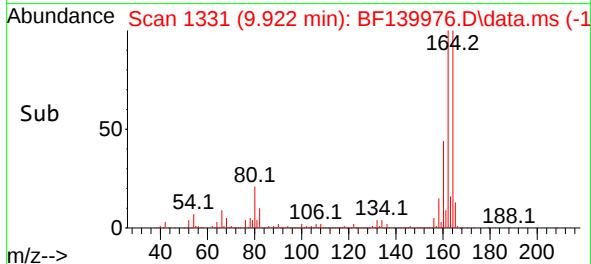
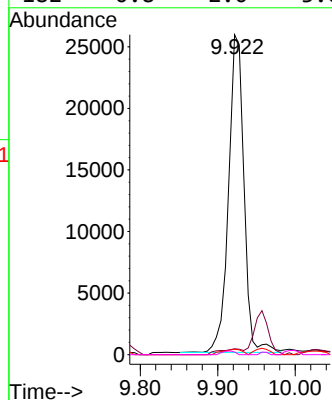
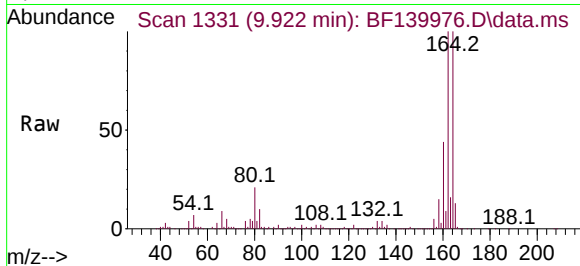




#57
2,4-Dinitrotoluene
Concen: 8.195 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

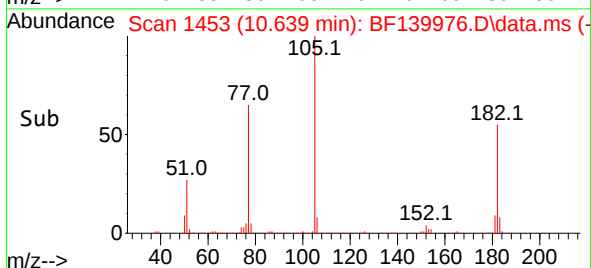
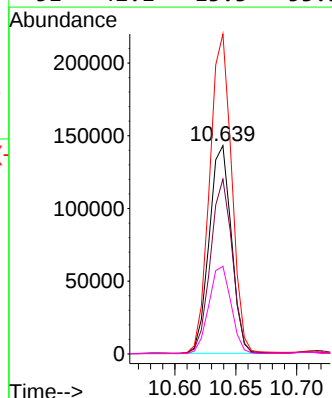
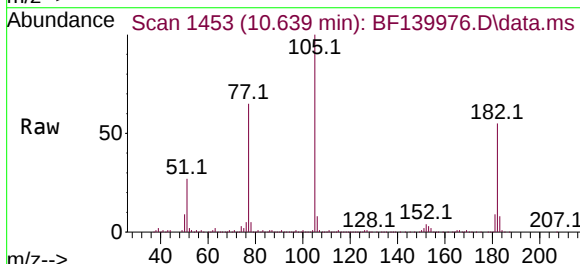
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

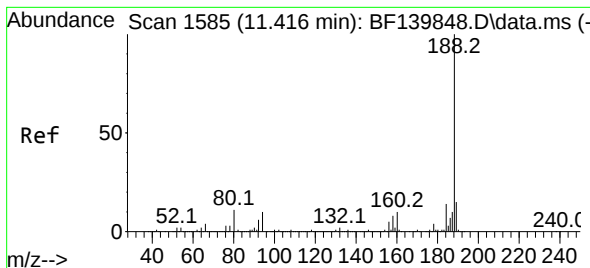
Tgt Ion:165 Resp: 35802
Ion Ratio Lower Upper
165 100
63 1.8 40.1 60.1#
89 1.7 60.4 90.6#
182 0.8 2.0 3.0#



#63
Azobenzene
Concen: 10.554 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion: 77 Resp: 180254
Ion Ratio Lower Upper
77 100
182 83.8 3.3 43.3#
105 153.6 1.2 41.2#
51 42.1 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139976.D

Acq: 23 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

WB-301-BOT

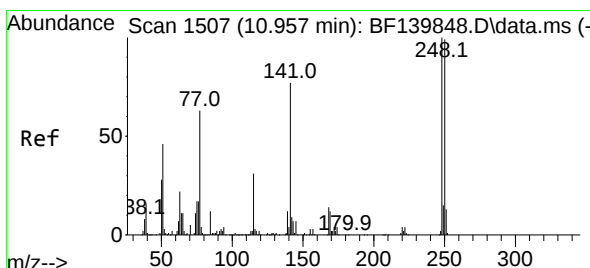
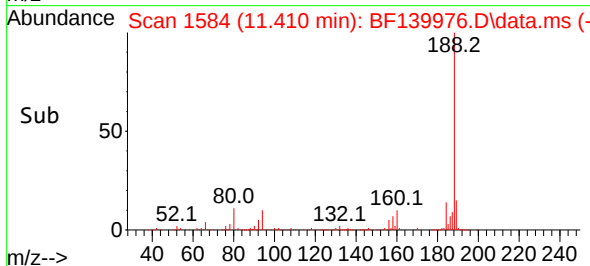
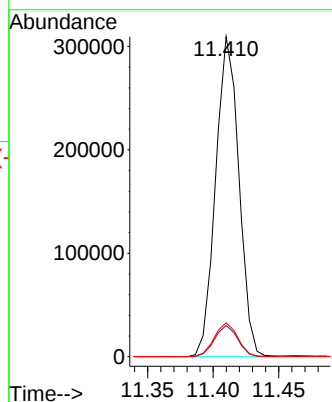
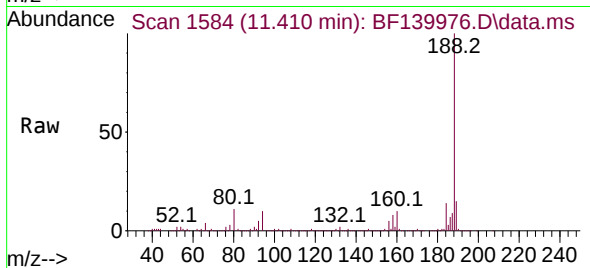
Tgt Ion:188 Resp: 381099

Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

80 10.6 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.184 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF139976.D

Acq: 23 Oct 2024 20:51

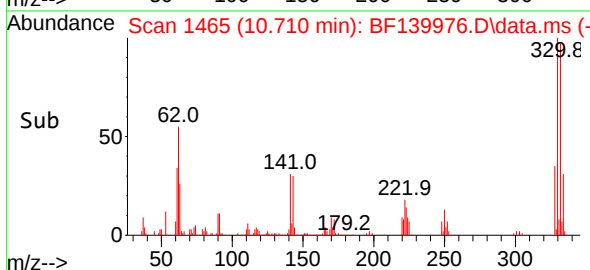
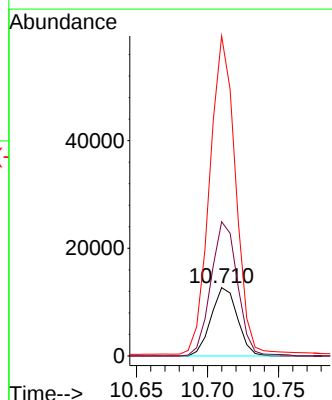
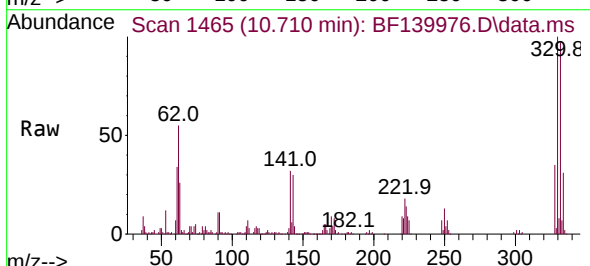
Tgt Ion:248 Resp: 16426

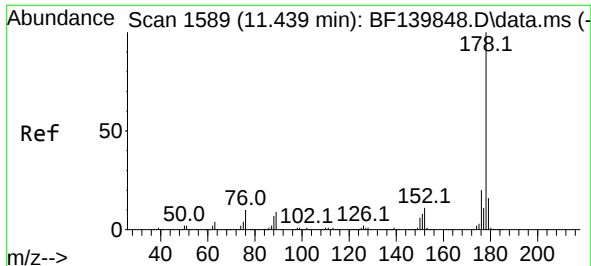
Ion Ratio Lower Upper

248 100

250 196.4 79.0 118.6#

141 468.0 61.7 92.5#

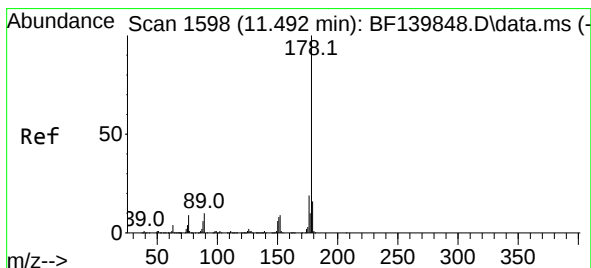
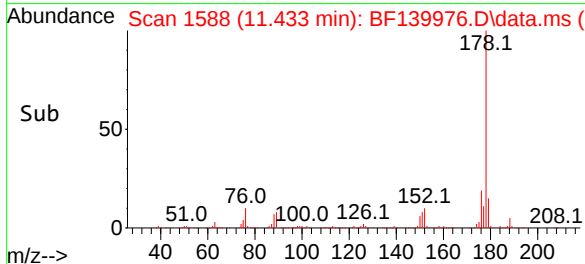
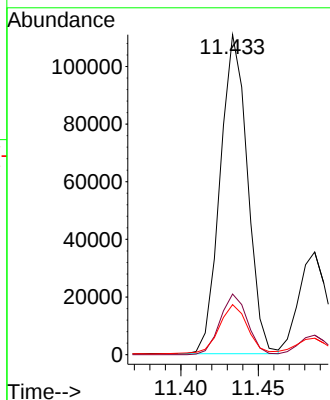
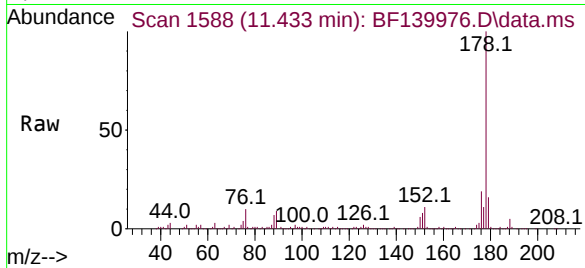




#71
Phenanthrene
Concen: 7.534 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

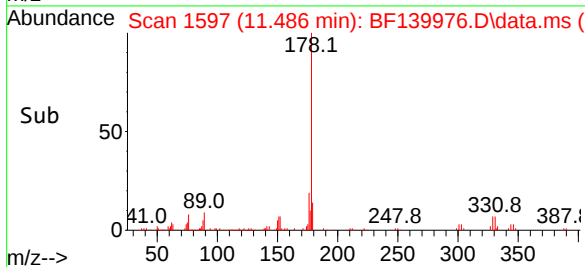
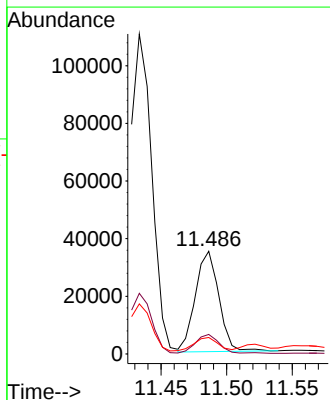
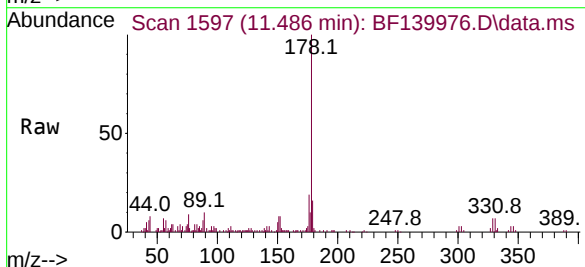
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

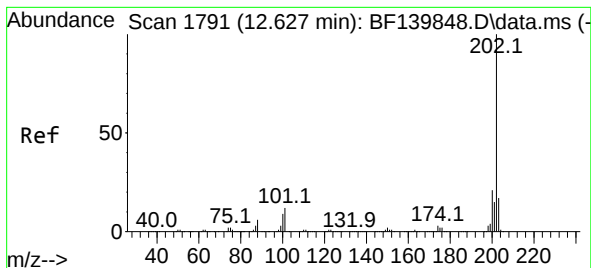
Tgt Ion:178 Resp: 135628
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.6 12.6 18.8



#72
Anthracene
Concen: 2.487 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion:178 Resp: 43687
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.0 12.4 18.6

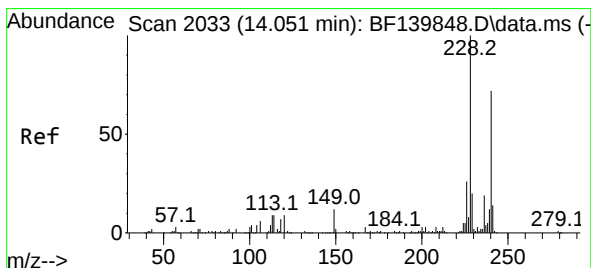
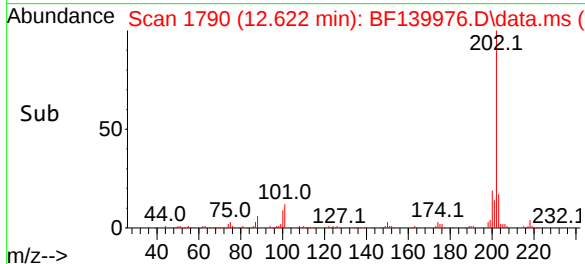
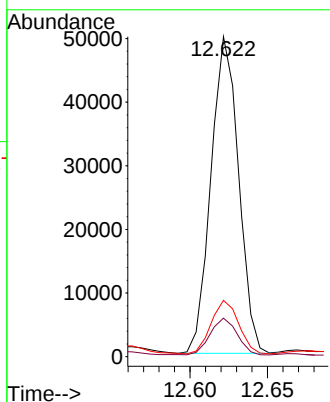
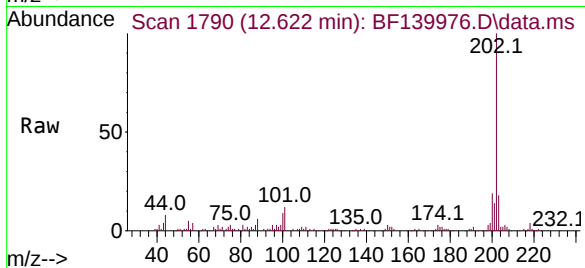




#75
Fluoranthene
Concen: 3.399 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

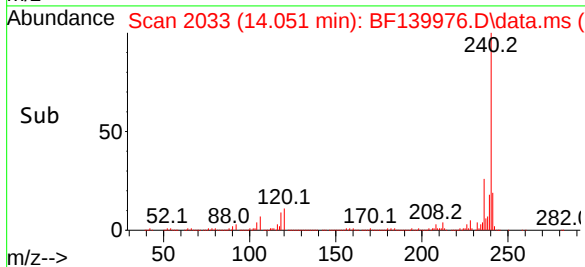
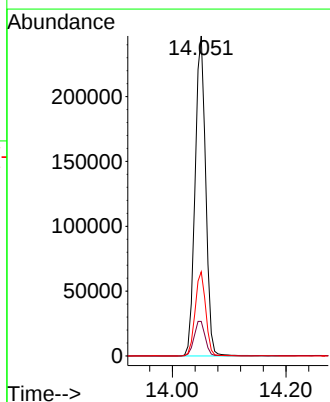
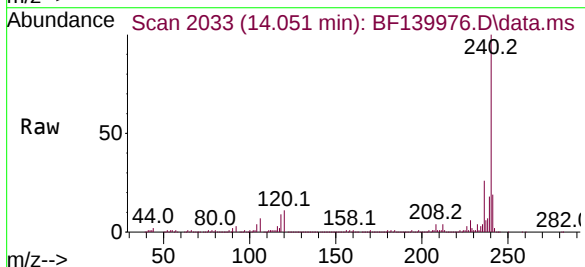
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

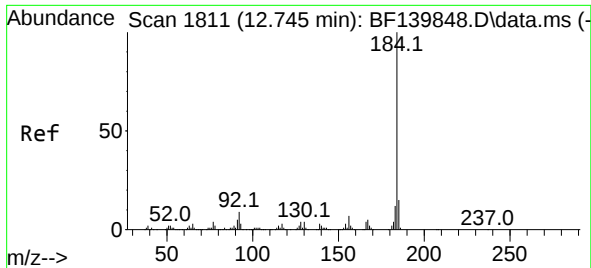
Tgt Ion:202 Resp: 61855
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.9
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion:240 Resp: 321287
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 26.3 20.9 31.3

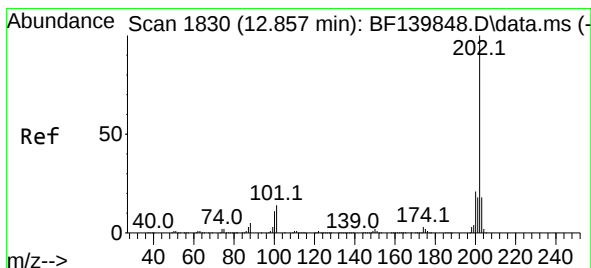
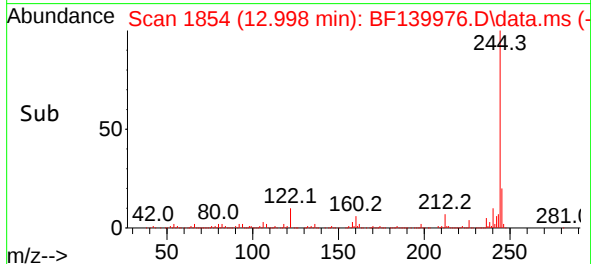
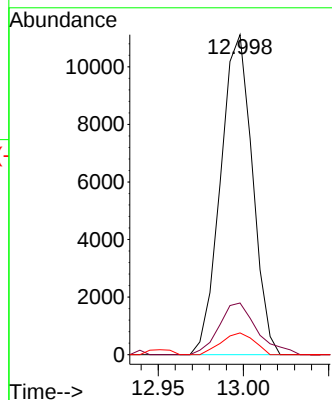
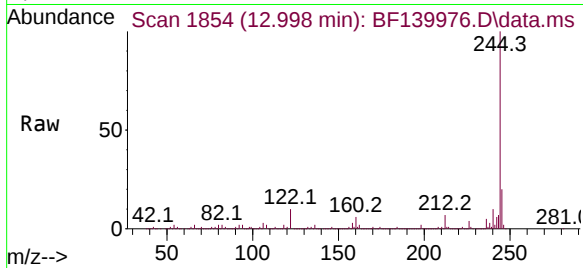




#77
Benzidine
Concen: 2.734 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

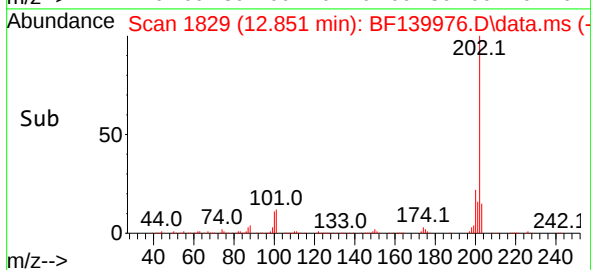
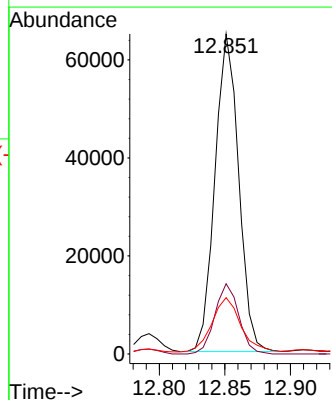
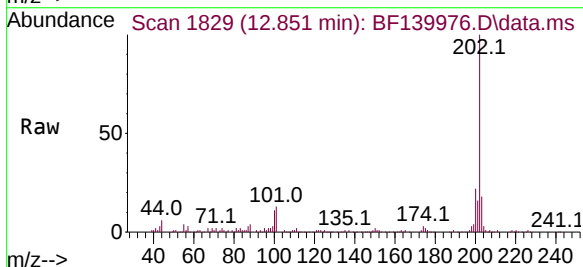
Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

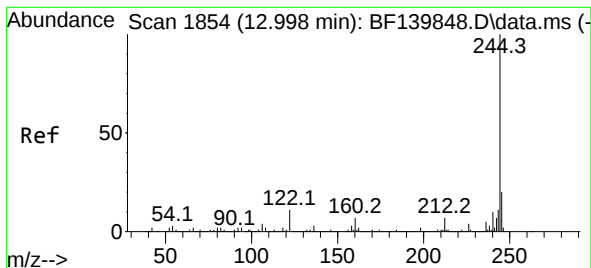
Tgt Ion:184 Resp: 14442
Ion Ratio Lower Upper
184 100
185 16.2 12.0 18.0
183 6.8 9.4 14.2#



#78
Pyrene
Concen: 2.895 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139976.D
Acq: 23 Oct 2024 20:51

Tgt Ion:202 Resp: 81427
Ion Ratio Lower Upper
202 100
200 21.9 17.2 25.8
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 57.610 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139976.D

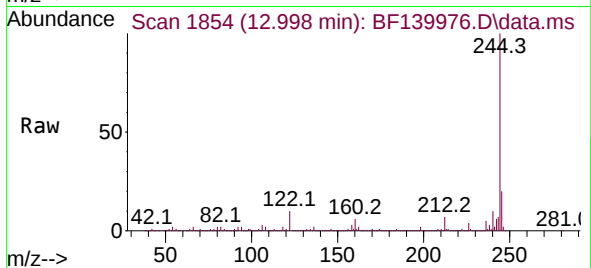
Acq: 23 Oct 2024 20:51

Instrument :

BNA_F

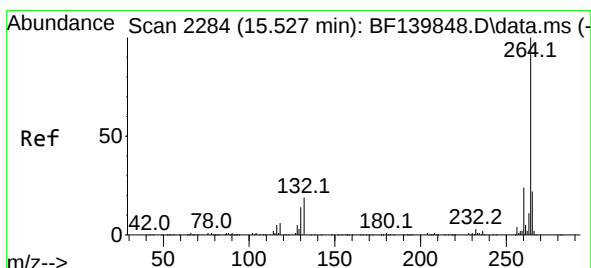
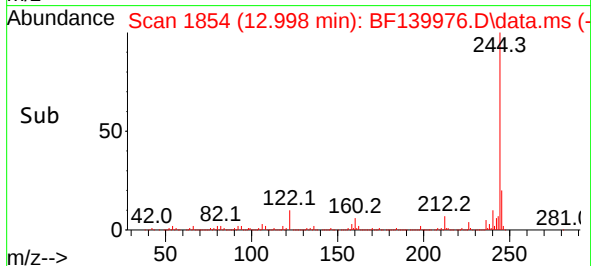
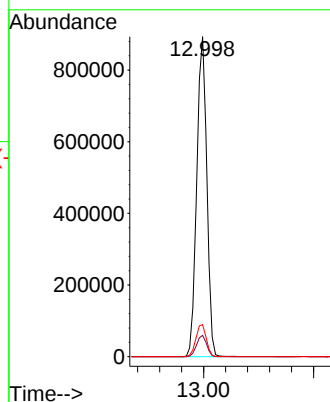
ClientSampleId :

WB-301-BOT



Tgt Ion:244 Resp: 1135897

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.0	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: BF139976.D

Acq: 23 Oct 2024 20:51

Tgt Ion:264 Resp: 306800

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.2	17.4	26.0

