

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110423\
 Data File : BF136144.D
 Acq On : 04 Nov 2023 12:57
 Operator : CG\JU
 Sample : 05243-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-AT-4.5-5.0

Quant Time: Nov 06 01:00:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

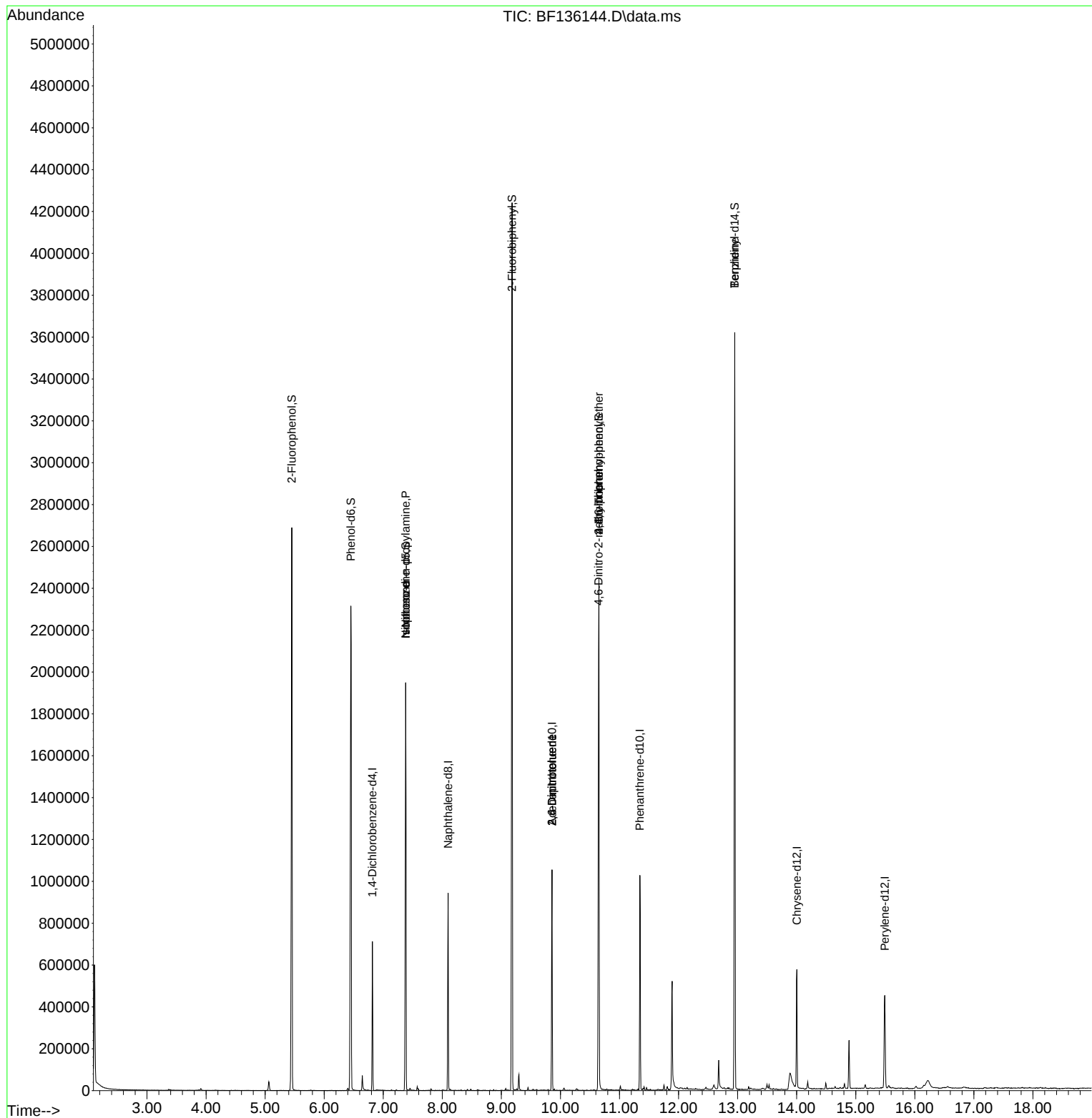
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	90538	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	363226	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	192664	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	366506	20.000	ng	0.00
76) Chrysene-d12	14.004	240	186908	20.000	ng	0.00
86) Perylene-d12	15.492	264	206953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	787204	136.630	ng	0.00
7) Phenol-d6	6.451	99	992258	138.225	ng	0.00
23) Nitrobenzene-d5	7.381	82	623688	103.510	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	316832	154.067	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1181027	97.718	ng	0.00
79) Terphenyl-d14	12.951	244	1355299	112.685	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	83275	20.303	ng	# 78
25) Isophorone	7.381	82	623680	54.828	ng	# 64
51) 2,6-Dinitrotoluene	9.857	165	24980	9.190	ng	# 29
57) 2,4-Dinitrotoluene	9.857	165	24980	7.264	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	858	6.165	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	19324	5.029	ng	# 1
77) Benzidine	12.951	184	17434	4.786	ng	# 91

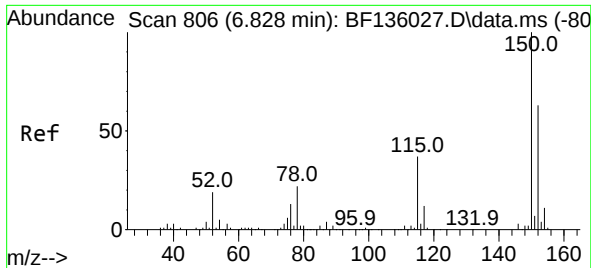
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 01:00:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

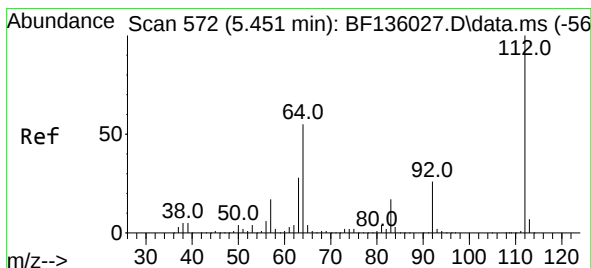
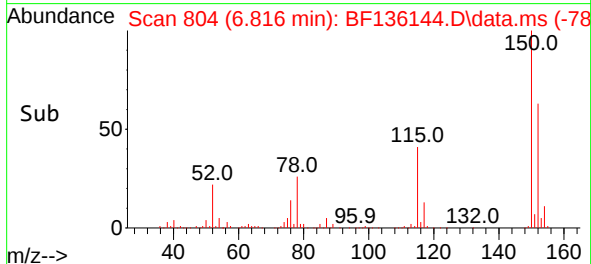
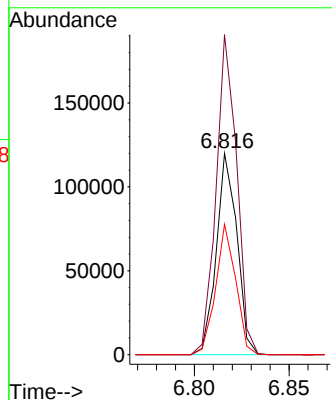
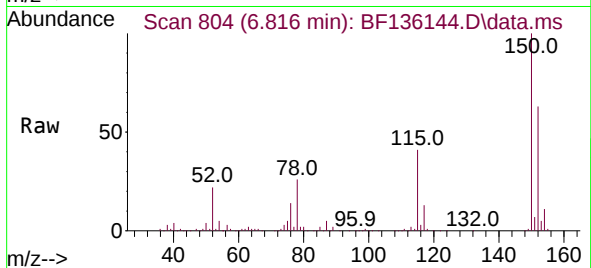




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

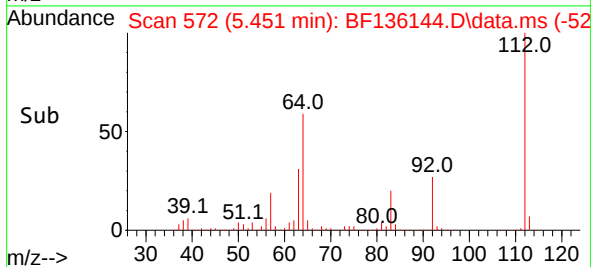
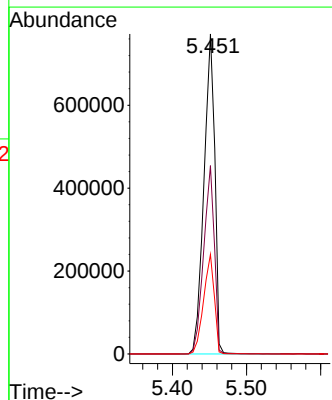
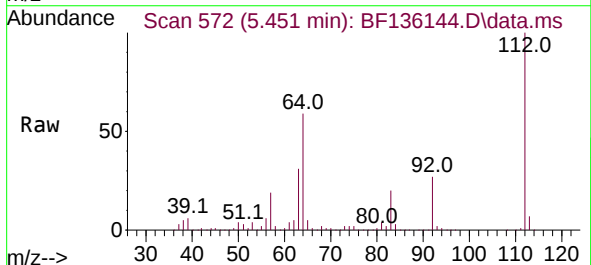
Instrument :
BNA_F
ClientSampleId :
SB-10-AT-4.5-5.0

Tgt Ion:152 Resp: 90538
Ion Ratio Lower Upper
152 100
150 159.0 126.4 189.6
115 64.8 47.0 70.4



#5
2-Fluorophenol
Concen: 136.630 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion:112 Resp: 787204
Ion Ratio Lower Upper
112 100
64 58.8 43.9 65.9
63 31.1 22.4 33.6

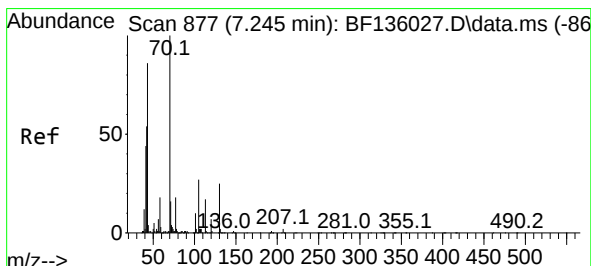
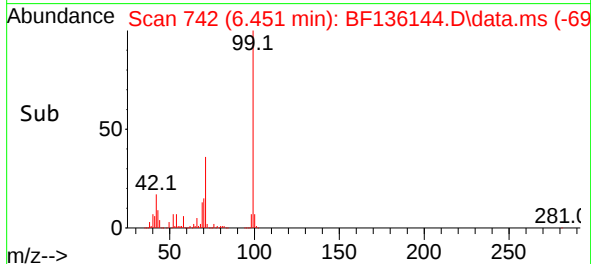
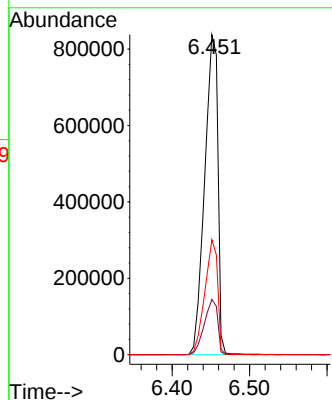
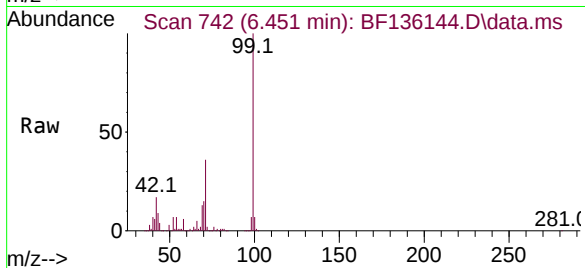




#7
Phenol-d6
Concen: 138.225 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

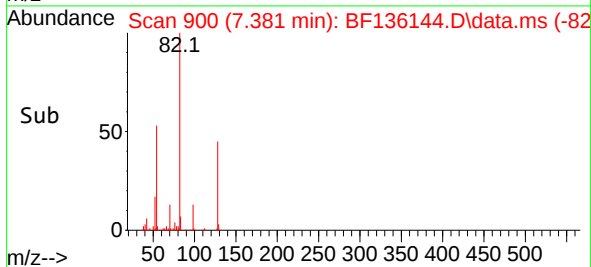
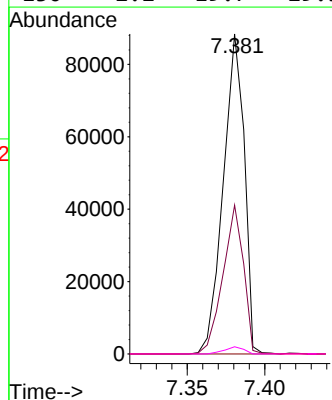
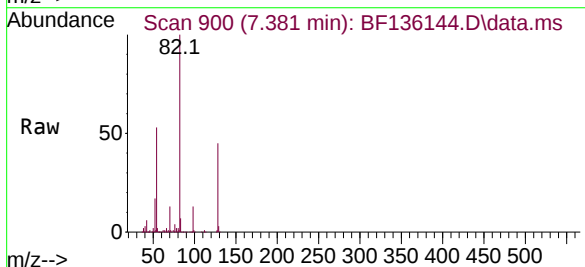
Instrument :
BNA_F
ClientSampleId :
SB-10-AT-4.5-5.0

Tgt Ion: 99 Resp: 992258
Ion Ratio Lower Upper
99 100
42 17.3 13.7 20.5
71 36.0 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 20.303 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion: 70 Resp: 83275
Ion Ratio Lower Upper
70 100
42 46.5 43.0 64.4
101 0.0 8.0 12.0#
130 2.2 19.7 29.5#



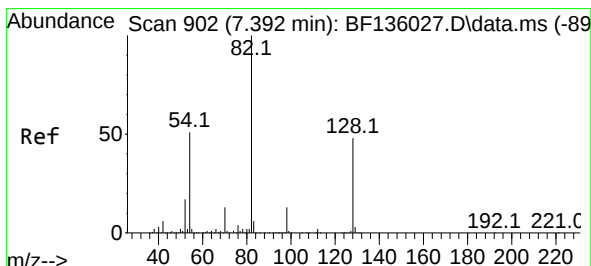
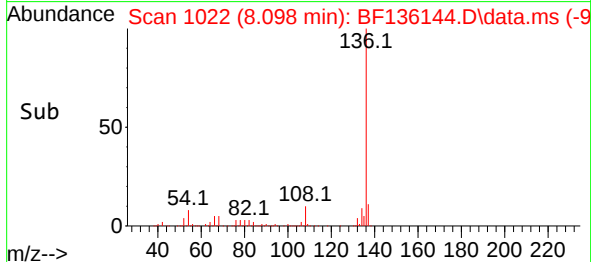
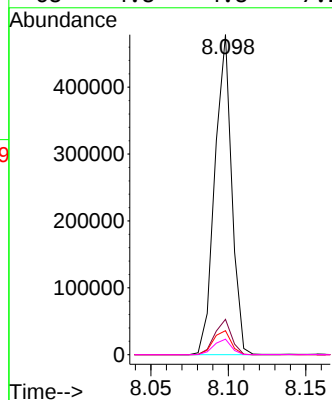
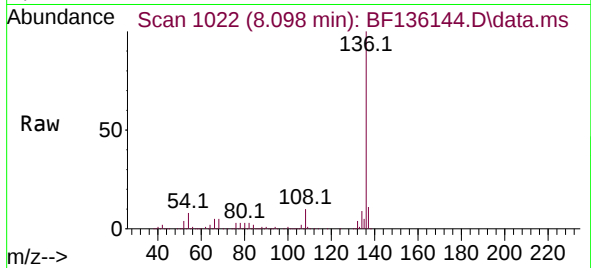


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Instrument :
BNA_F
ClientSampleId :
SB-10-AT-4.5-5.0

Tgt Ion:136 Resp: 363226

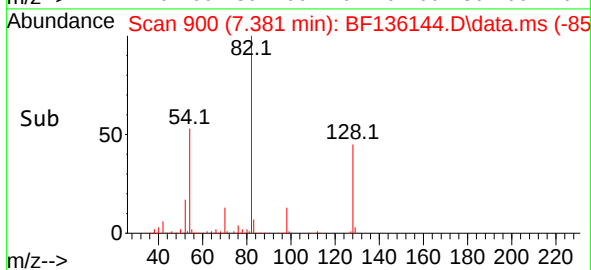
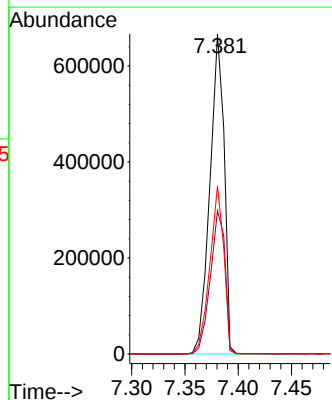
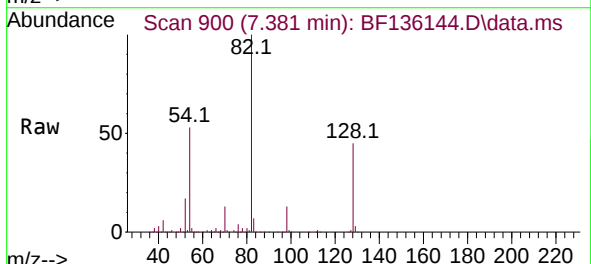
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.5	6.6	9.8
68	4.8	4.8	7.2

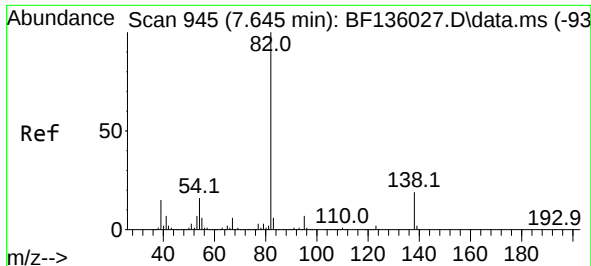


#23
Nitrobenzene-d5
Concen: 103.510 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion: 82 Resp: 623688

Ion	Ratio	Lower	Upper
82	100		
128	44.8	38.6	57.8
54	52.5	40.8	61.2

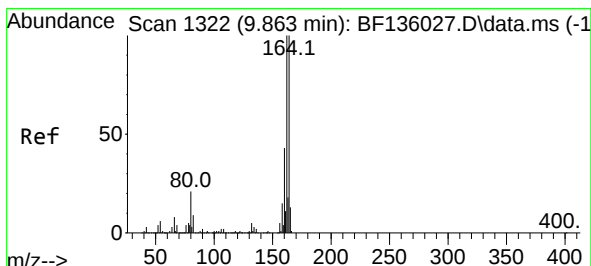
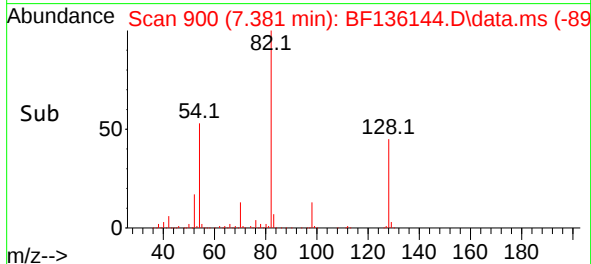
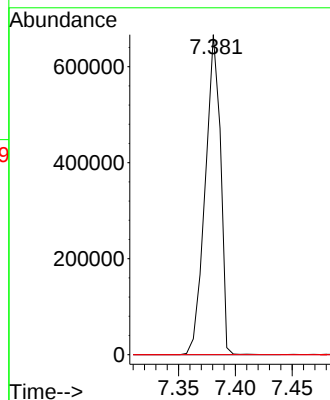
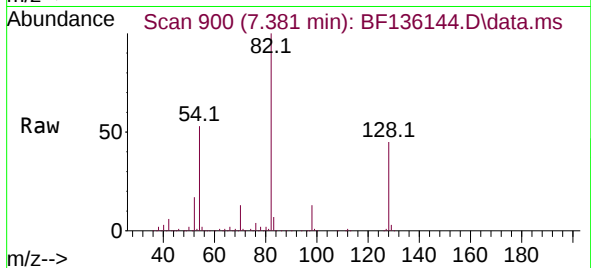




#25
Isophorone
Concen: 54.828 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

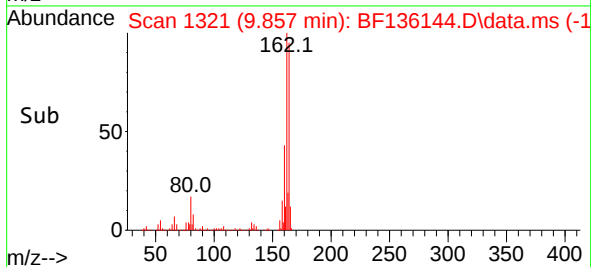
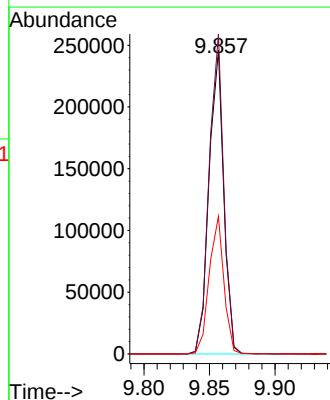
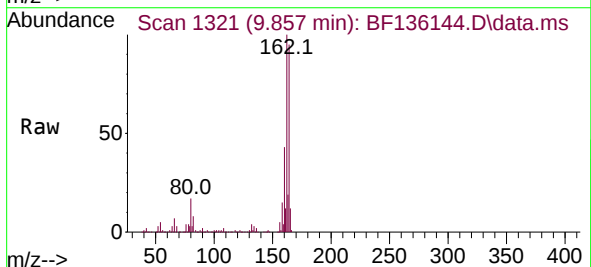
Instrument :
BNA_F
ClientSampleId :
SB-10-AT-4.5-5.0

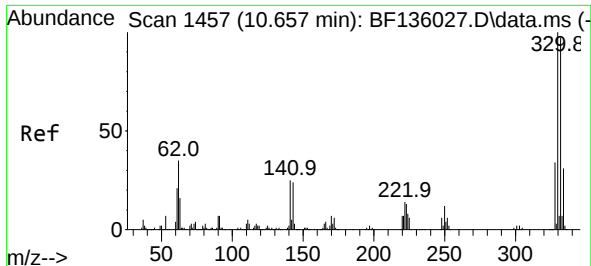
Tgt Ion: 82 Resp: 623680
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion: 164 Resp: 192664
Ion Ratio Lower Upper
164 100
162 105.4 80.1 120.1
160 45.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 154.067 ng

RT: 10.651 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF136144.D

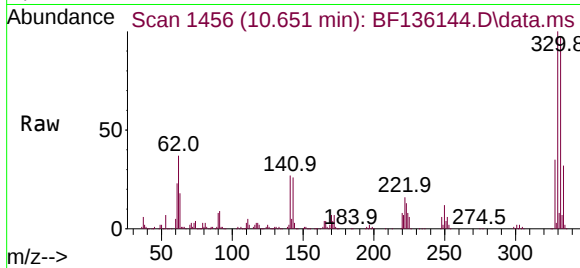
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Instrument :

BNA_F

ClientSampleId :

SB-10-AT-4.5-5.0



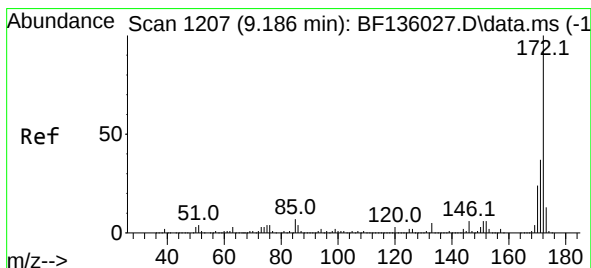
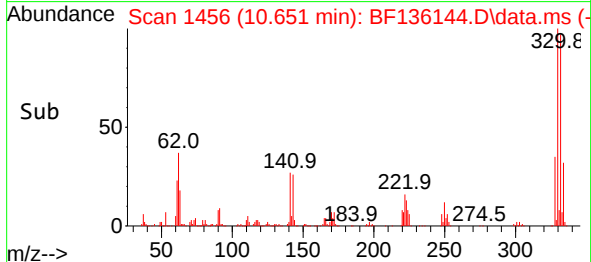
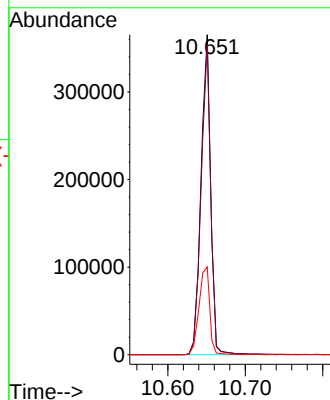
Tgt Ion:330 Resp: 316832

Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

141 30.3 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 97.718 ng

RT: 9.180 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF136144.D

Acq: 04 Nov 2023 12:57

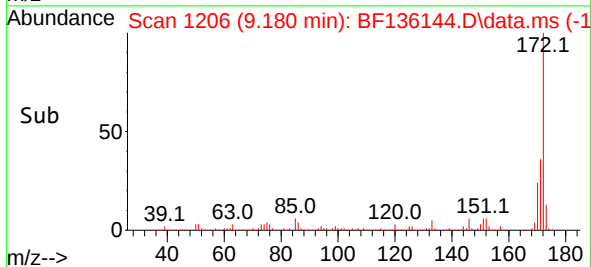
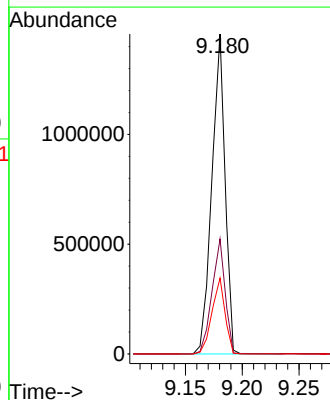
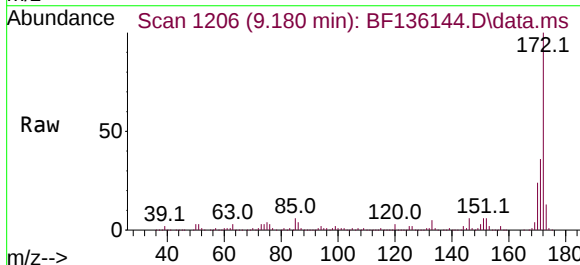
Tgt Ion:172 Resp: 1181027

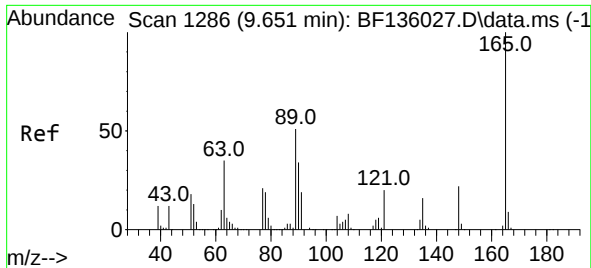
Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

170 23.7 19.3 28.9

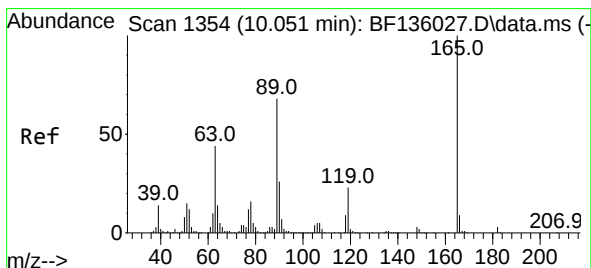
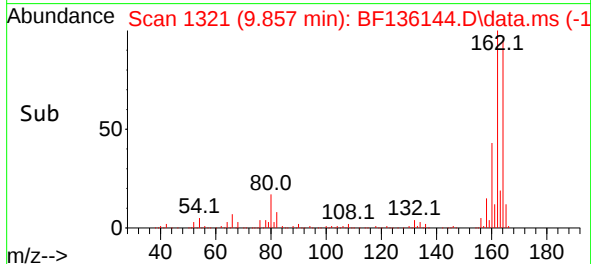
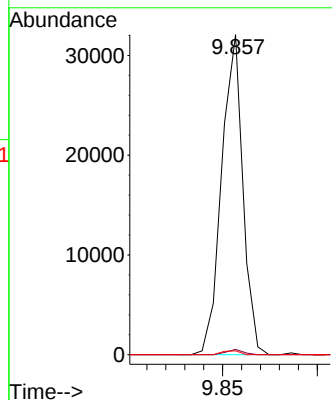
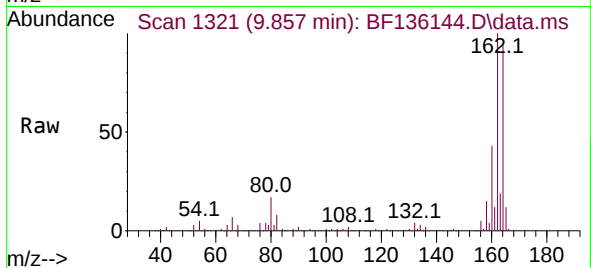




#51
2,6-Dinitrotoluene
Concen: 9.190 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

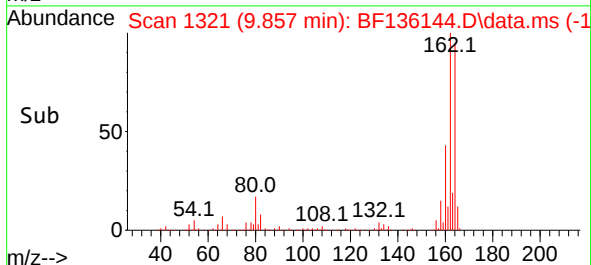
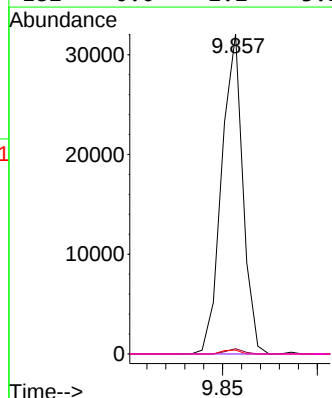
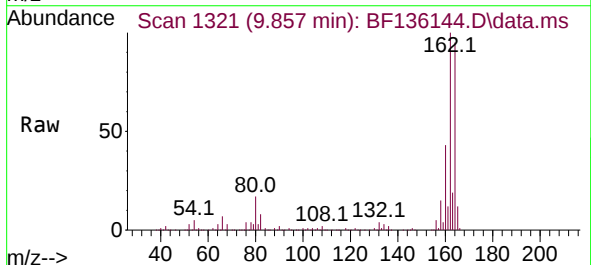
Instrument :
BNA_F
ClientSampleId :
SB-10-AT-4.5-5.0

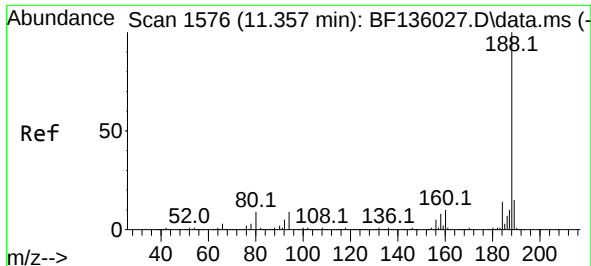
Tgt Ion:165 Resp: 24980
Ion Ratio Lower Upper
165 100
63 1.6 40.8 61.2#
89 1.2 41.1 61.7#



#57
2,4-Dinitrotoluene
Concen: 7.264 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion:165 Resp: 24980
Ion Ratio Lower Upper
165 100
63 1.6 35.2 52.8#
89 1.2 54.8 82.2#
182 0.0 2.2 3.2#

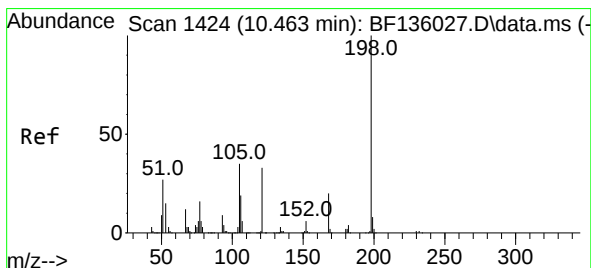
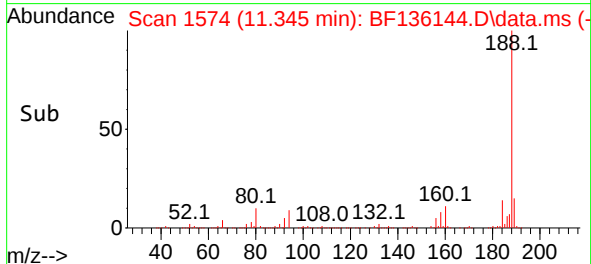
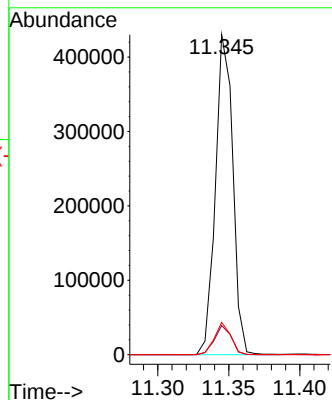
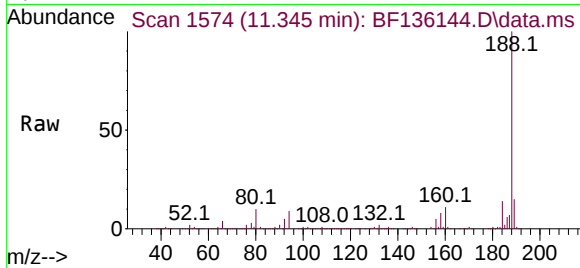




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

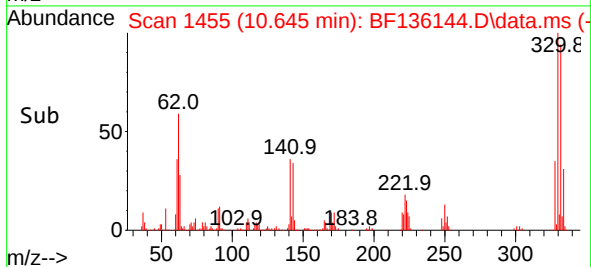
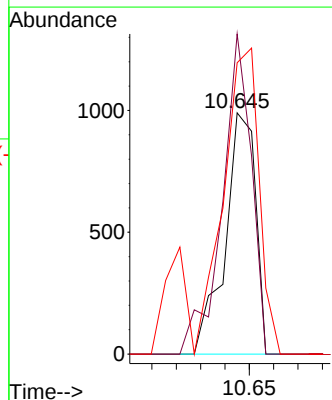
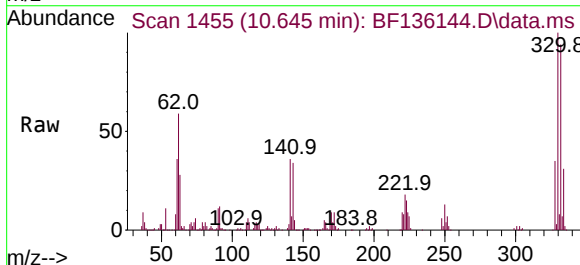
Instrument :
BNA_F
ClientSampleId :
SB-10-AT-4.5-5.0

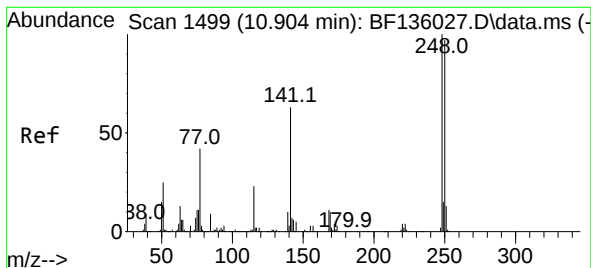
Tgt Ion:188 Resp: 366506
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.1 7.4 11.0



#65
4,6-Dinitro-2-methylphenol
Concen: 6.165 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.188 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion:198 Resp: 858
Ion Ratio Lower Upper
198 100
51 132.7 12.9 52.9#
105 120.8 16.0 56.0#

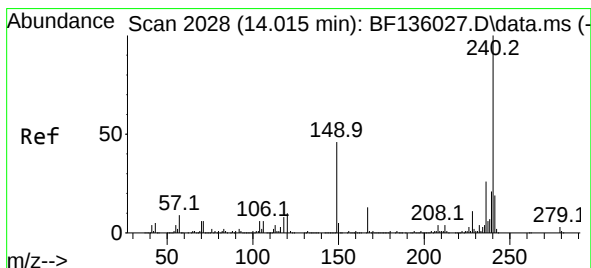
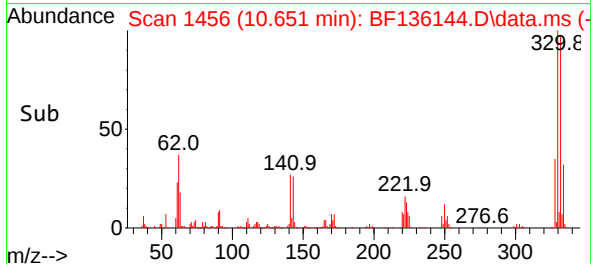
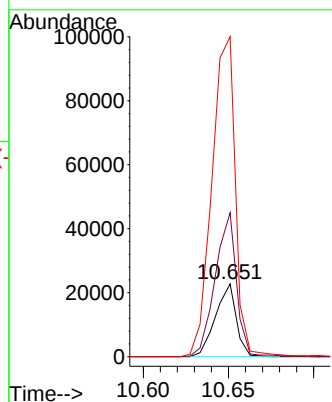
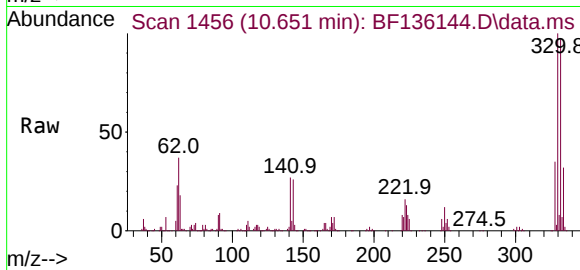




#67
4-Bromophenyl-phenylether
Concen: 5.029 ng
RT: 10.651 min Scan# 1499
Delta R.T. -0.247 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

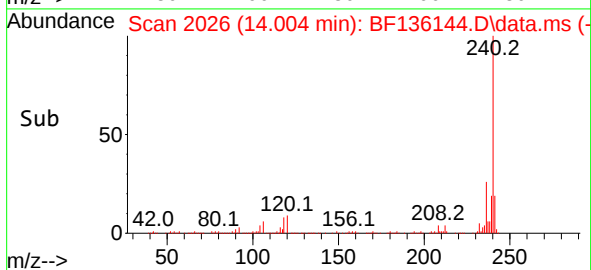
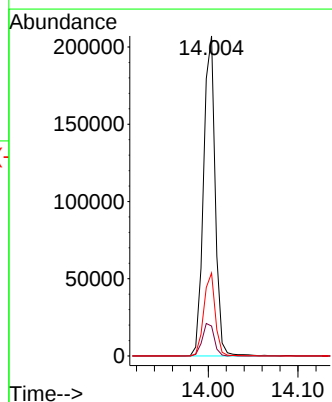
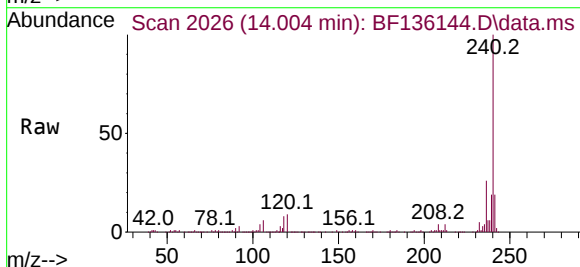
Instrument :
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ClientSampleId :
SB-10-AT-4.5-5.0

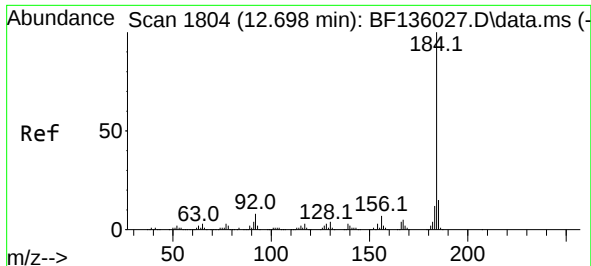
Tgt Ion:248 Resp: 19324
Ion Ratio Lower Upper
248 100
250 197.6 77.6 116.4#
141 439.2 50.4 75.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion:240 Resp: 186908
Ion Ratio Lower Upper
240 100
120 9.3 7.6 11.4
236 25.9 20.6 31.0

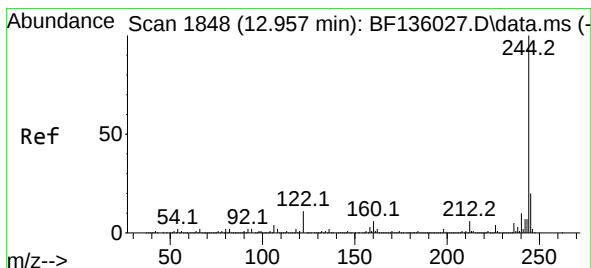
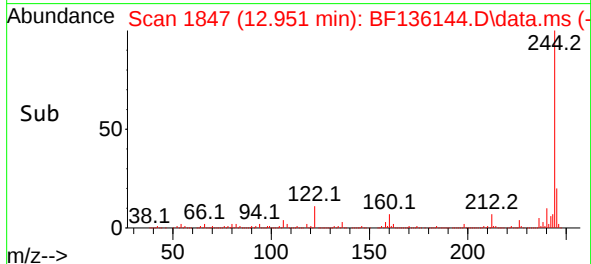
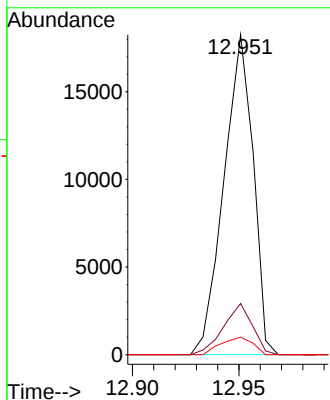
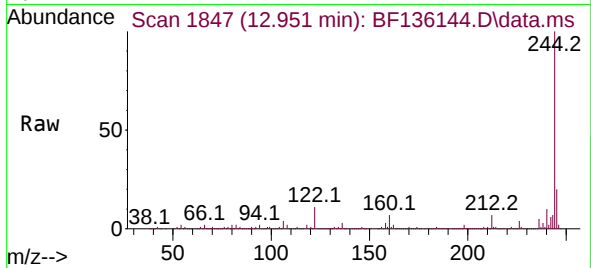




#77
Benzidine
Concen: 4.786 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

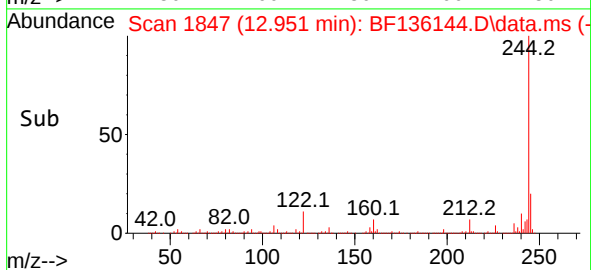
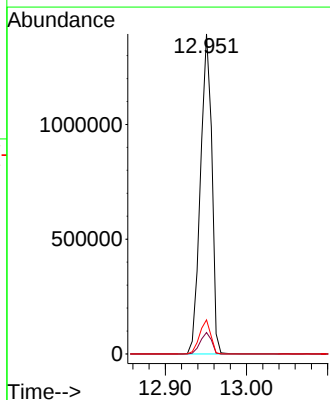
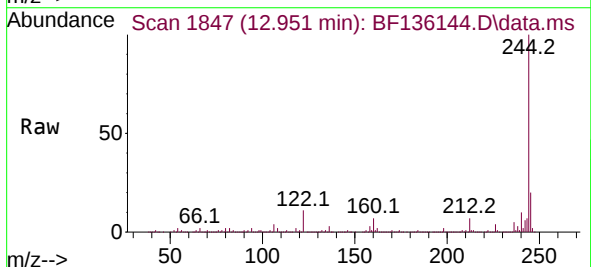
Instrument :
BNA_F
ClientSampleId :
SB-10-AT-4.5-5.0

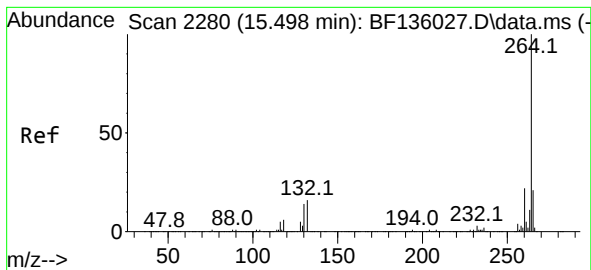
Tgt Ion:184 Resp: 17434
Ion Ratio Lower Upper
184 100
185 16.0 11.8 17.8
183 5.5 9.5 14.3#



#79
Terphenyl-d14
Concen: 112.685 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BF136144.D
Acq: 04 Nov 2023 12:57

Tgt Ion:244 Resp: 1355299
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 10.6 8.6 12.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136144.D
 Acq: 04 Nov 2023 12:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-AT-4.5-5.0

Tgt Ion:264 Resp: 206953
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.9 26.9
 265 21.2 16.8 25.2

