

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136544.D
 Acq On : 13 Dec 2023 18:41
 Operator : CG\JU
 Sample : 05726-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 14 01:43:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

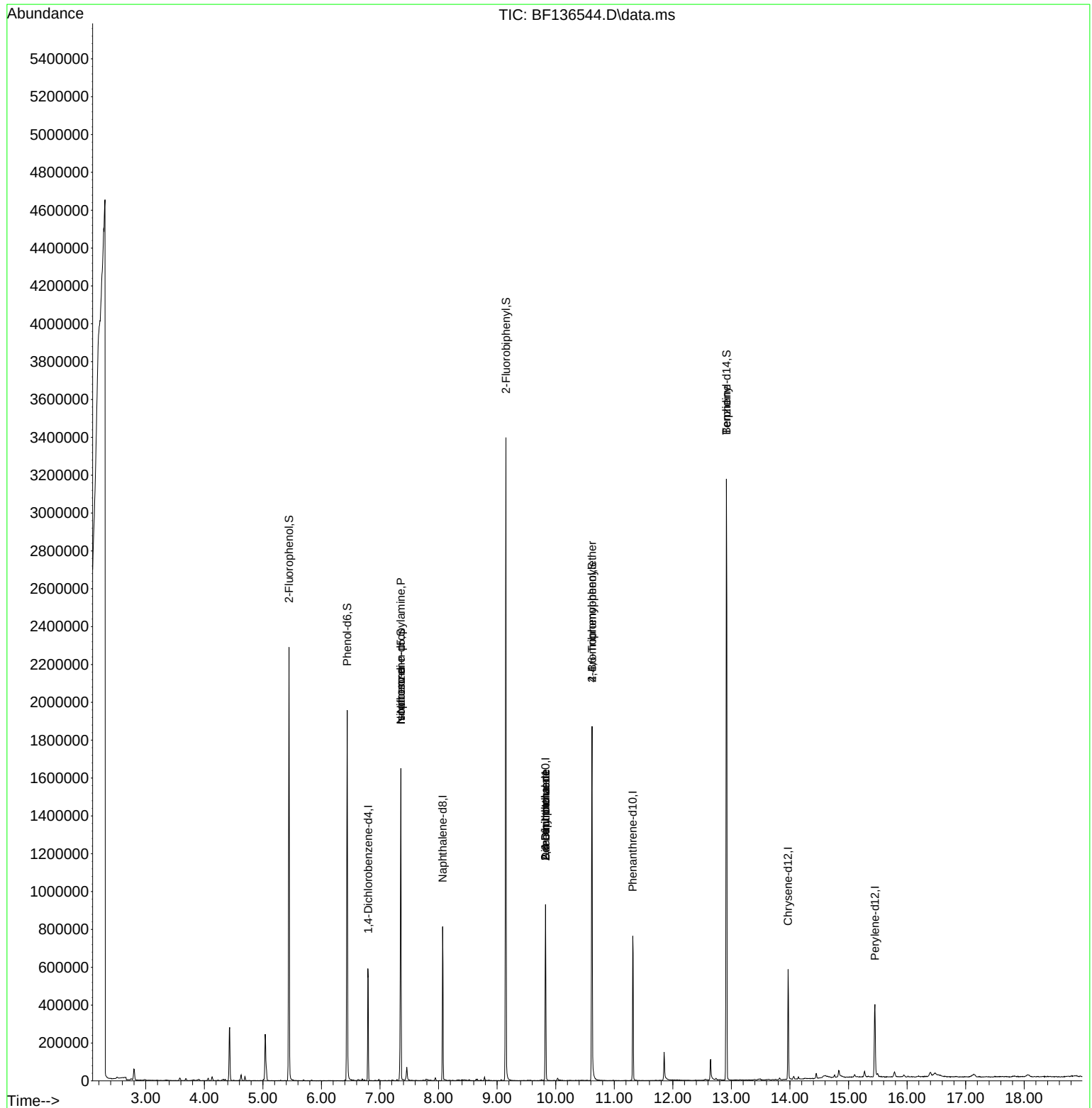
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	90787	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	349967	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	172301	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	289773	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	193299	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	188161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	638903	103.930	ng	0.01
7) Phenol-d6	6.440	99	724956	94.520	ng	0.00
23) Nitrobenzene-d5	7.357	82	503582	77.790	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	260931	122.821	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1036366	82.073	ng	-0.01
79) Terphenyl-d14	12.916	244	1152301	78.572	ng	0.00
Target Compounds						
9) Benzaldehyde	6.398	77	123	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.357	70	65435	14.790	ng	# 75
25) Isophorone	7.357	82	503570	43.297	ng	# 65
50) Dimethylphthalate	9.828	163	36412	2.870	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	22145	7.760	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	22145	5.866	ng	# 27
67) 4-Bromophenyl-phenylether	10.622	248	15831	4.699	ng	# 1
77) Benzidine	12.916	184	13819	3.930	ng	# 94

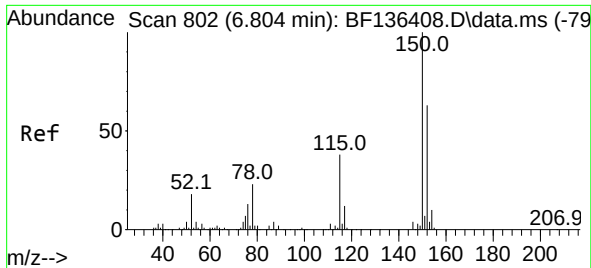
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 01:43:54 2023
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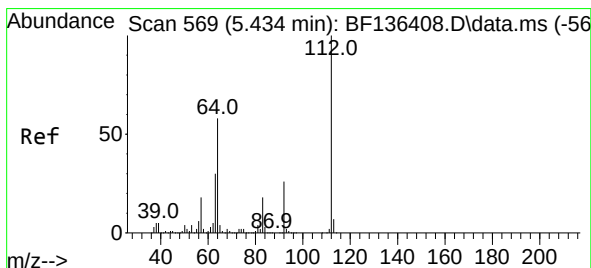
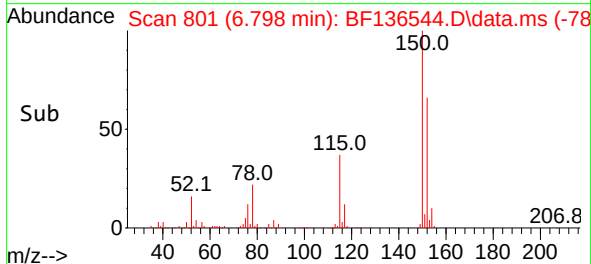
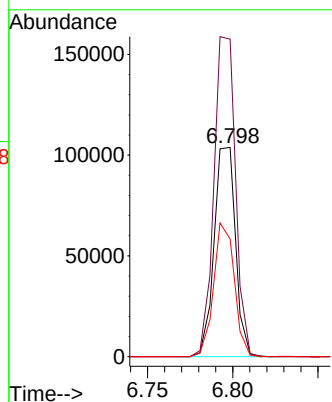
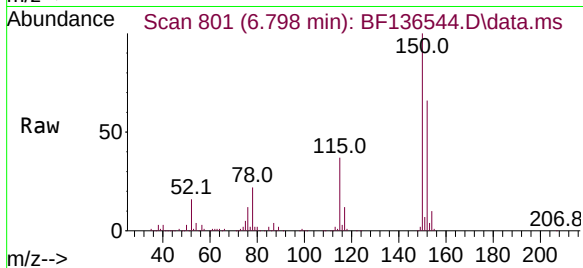




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

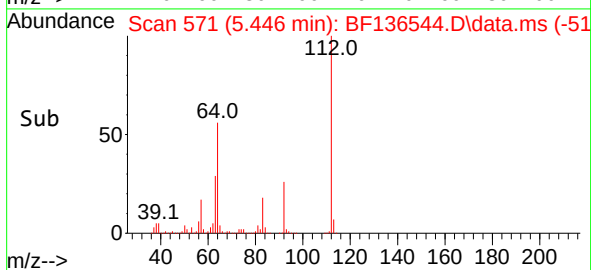
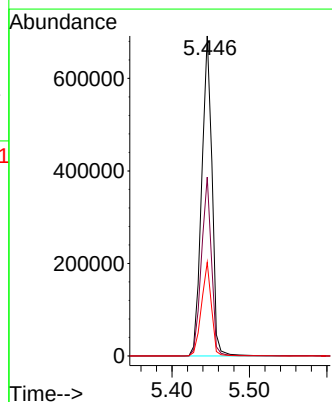
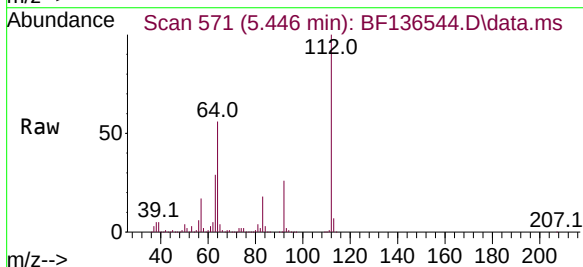
Instrument :
BNA_F
ClientSampleId :
WC-1

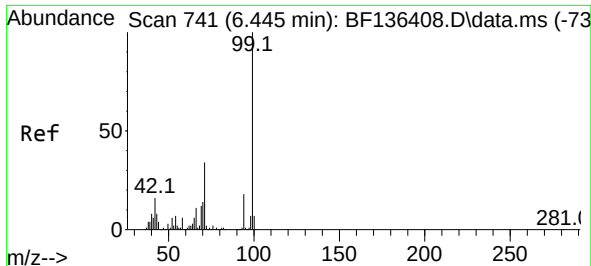
Tgt Ion:152 Resp: 90787
Ion Ratio Lower Upper
152 100
150 151.8 126.4 189.6
115 56.2 48.2 72.4



#5
2-Fluorophenol
Concen: 103.930 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion:112 Resp: 638903
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 29.2 23.9 35.9

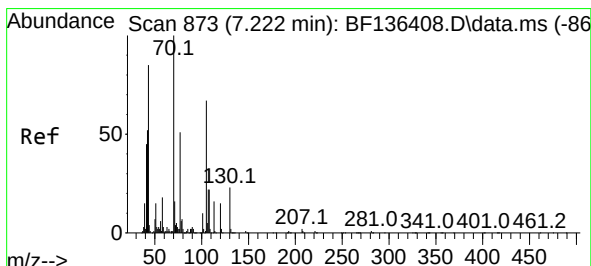
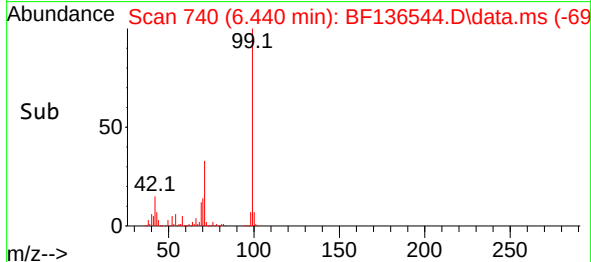
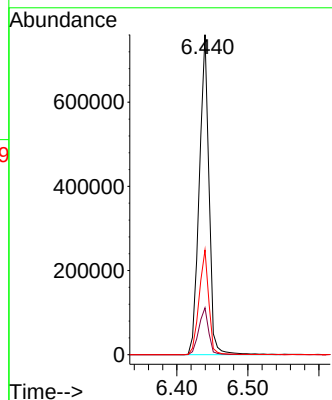
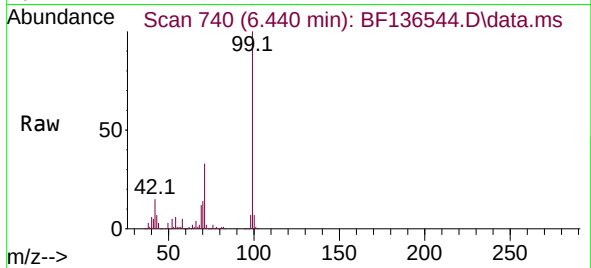




#7
Phenol-d6
Concen: 94.520 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

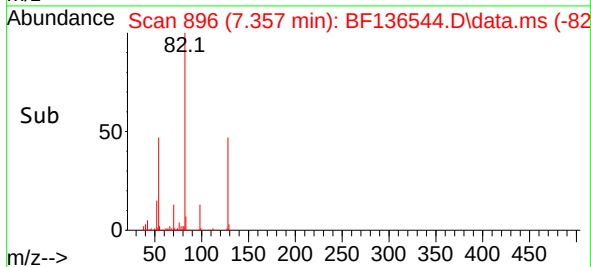
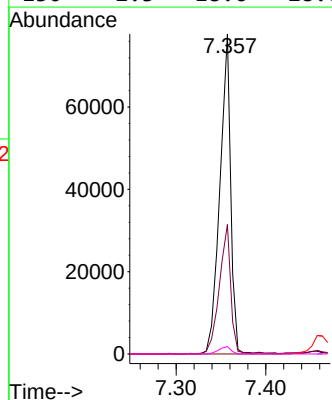
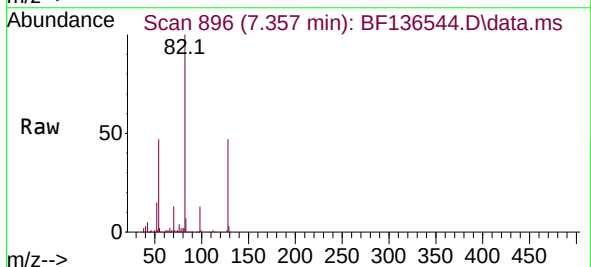
Instrument :
BNA_F
ClientSampleId :
WC-1

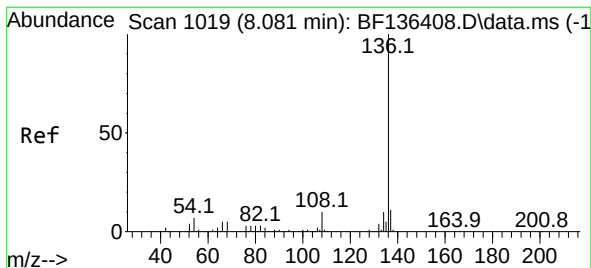
Tgt Ion: 99 Resp: 724956
Ion Ratio Lower Upper
99 100
42 14.7 12.8 19.2
71 32.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.790 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion: 70 Resp: 65435
Ion Ratio Lower Upper
70 100
42 40.5 41.4 62.0#
101 0.0 8.2 12.4#
130 2.3 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136544.D

Acq: 13 Dec 2023 18:41

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 349967

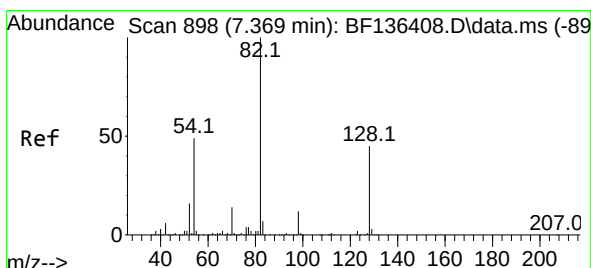
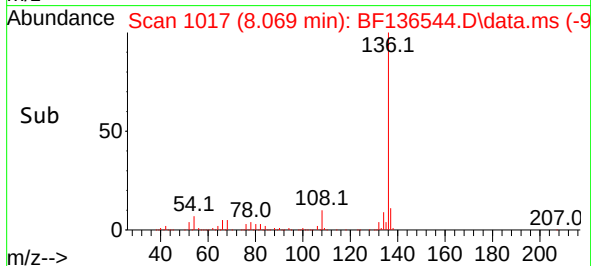
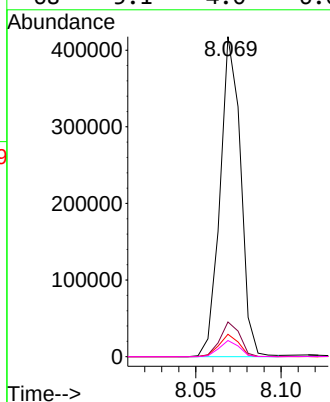
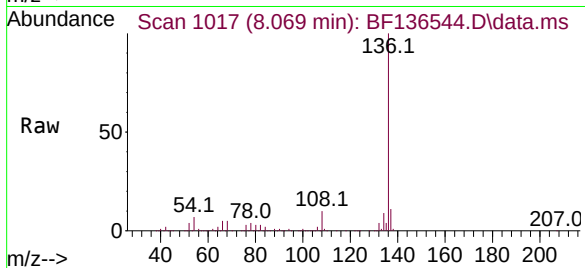
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 7.0 5.7 8.5

68 5.1 4.0 6.0



#23

Nitrobenzene-d5

Concen: 77.790 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136544.D

Acq: 13 Dec 2023 18:41

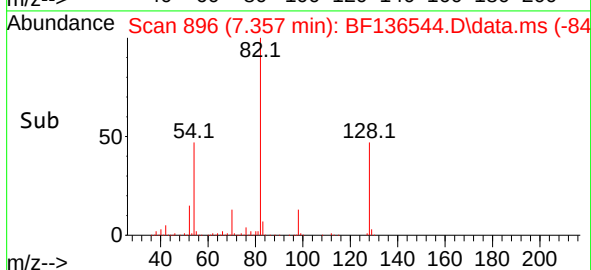
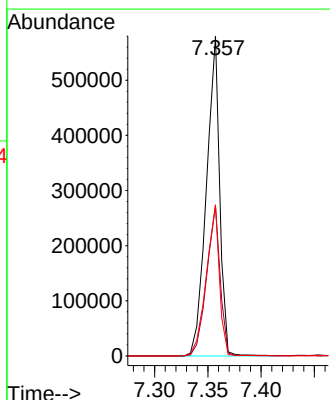
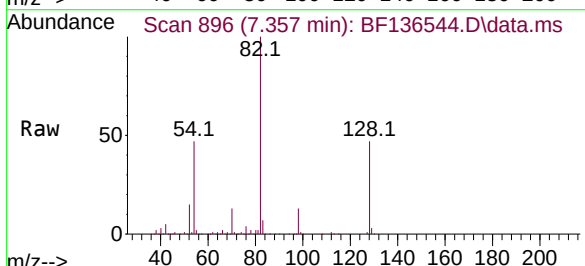
Tgt Ion: 82 Resp: 503582

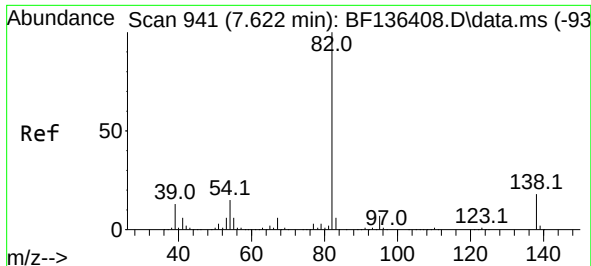
Ion Ratio Lower Upper

82 100

128 46.9 36.3 54.5

54 47.3 39.0 58.6

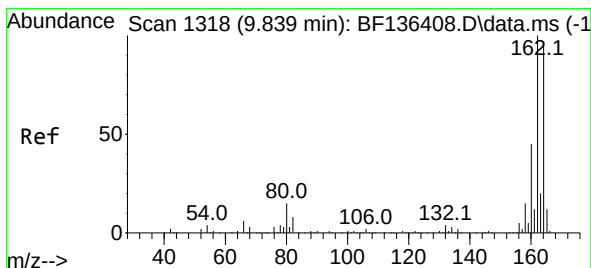
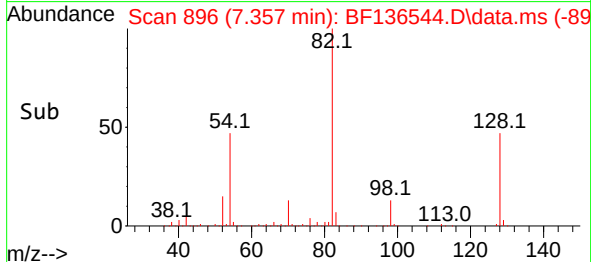
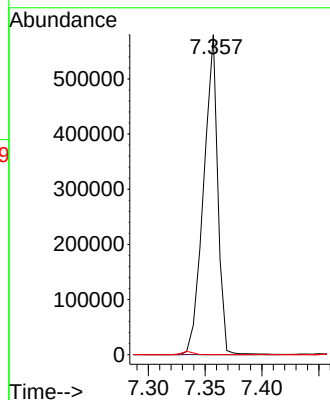
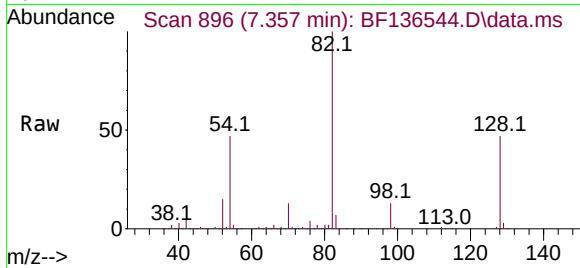




#25
Isophorone
Concen: 43.297 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

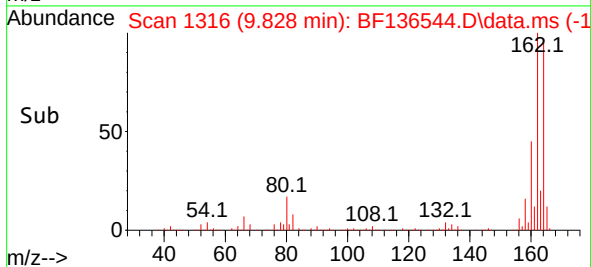
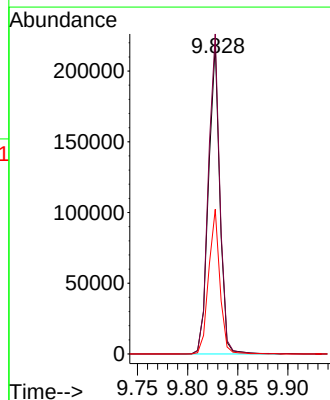
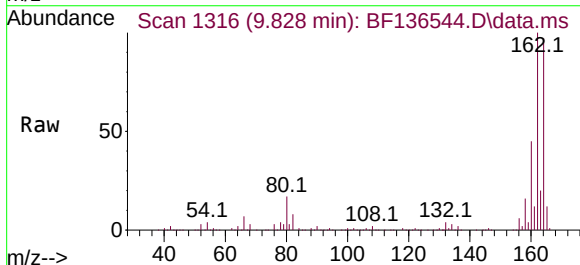
Instrument :
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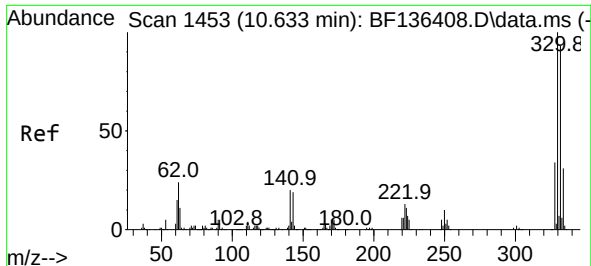
Tgt Ion: 82 Resp: 503570
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion:164 Resp: 172301
Ion Ratio Lower Upper
164 100
162 103.3 84.4 126.6
160 46.7 37.6 56.4

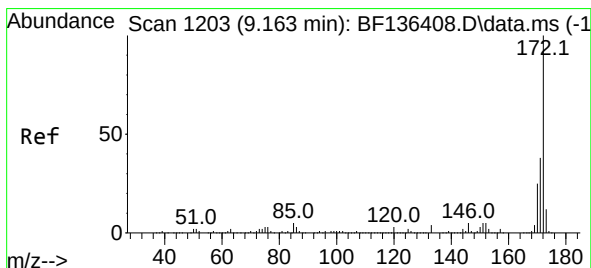
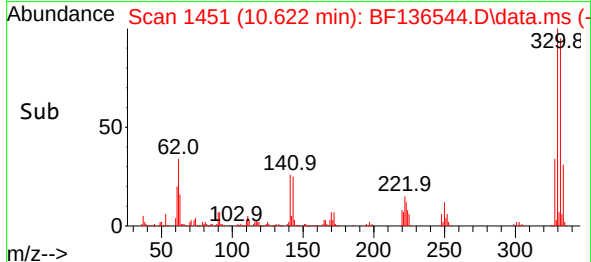
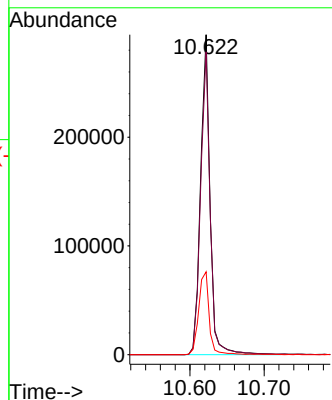
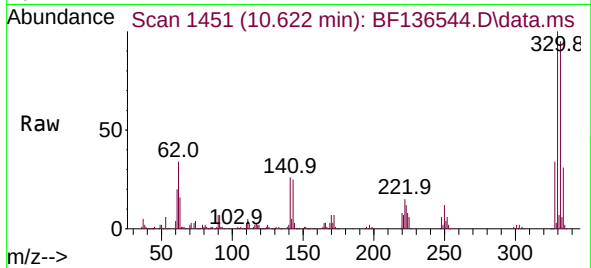




#42
2,4,6-Tribromophenol
Concen: 122.821 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

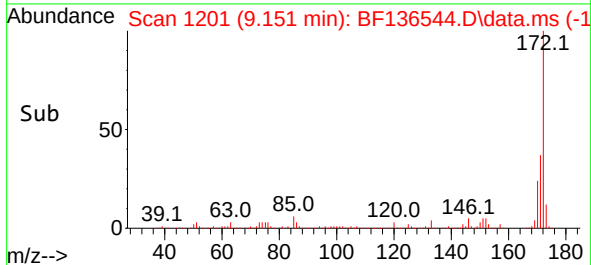
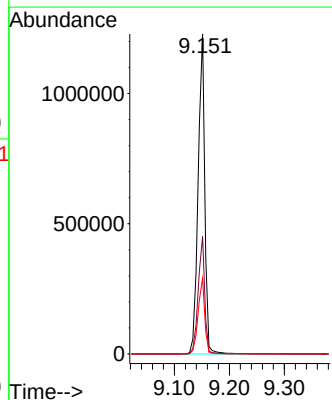
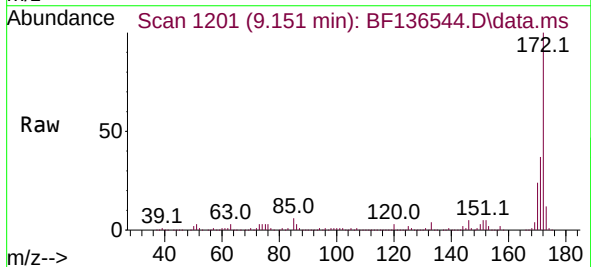
Instrument :
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ClientSampleId :
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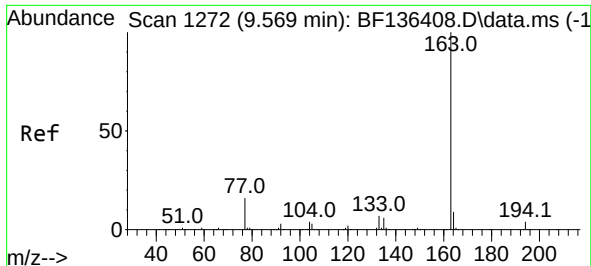
Tgt Ion:330 Resp: 260931
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 28.7 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 82.073 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion:172 Resp: 1036366
Ion Ratio Lower Upper
172 100
171 36.7 30.5 45.7
170 23.6 19.9 29.9

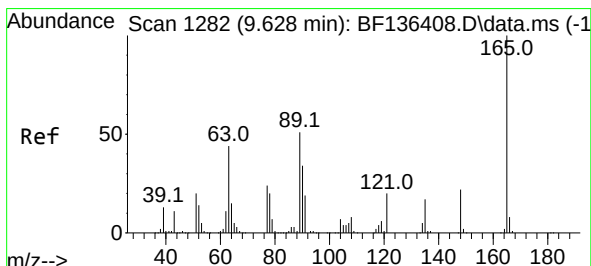
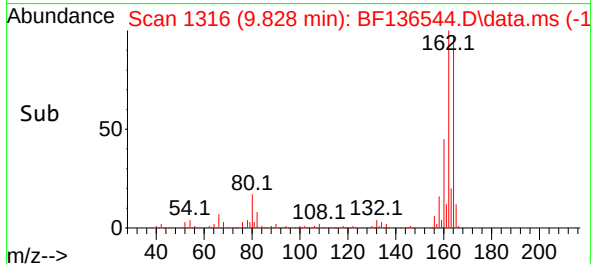
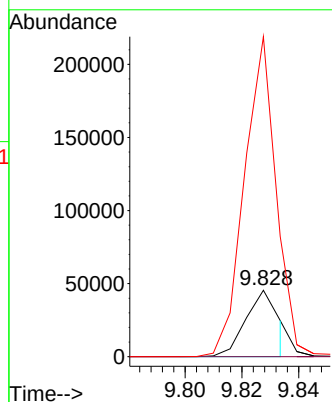
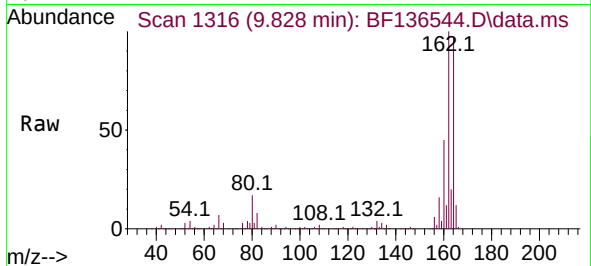




#50
Dimethylphthalate
Concen: 2.870 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

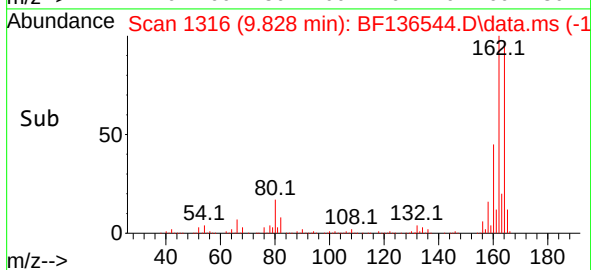
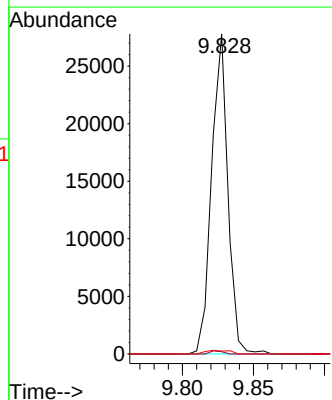
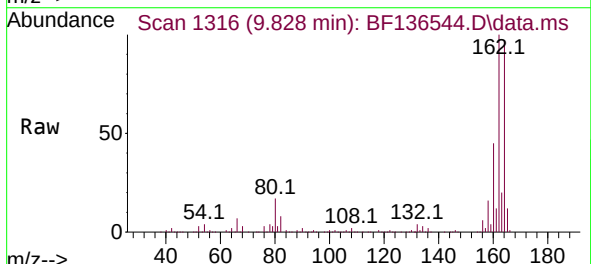
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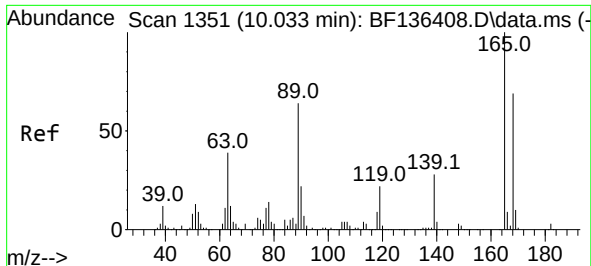
Tgt Ion:163 Resp: 36412
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 481.6 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.760 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion:165 Resp: 22145
Ion Ratio Lower Upper
165 100
63 0.7 40.4 60.6#
89 0.9 40.6 60.8#

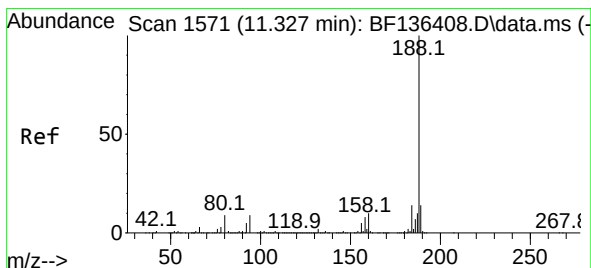
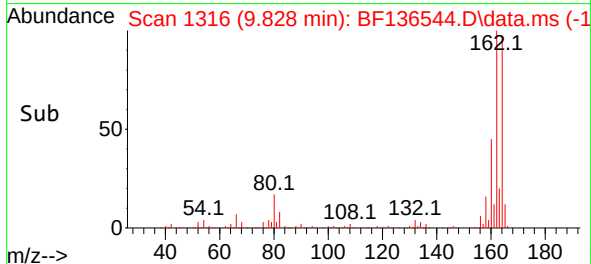
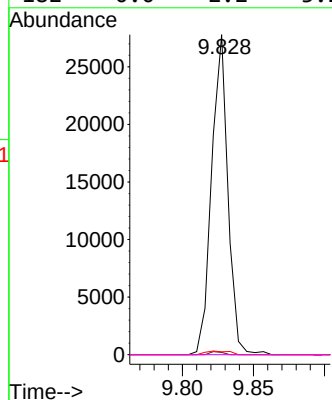
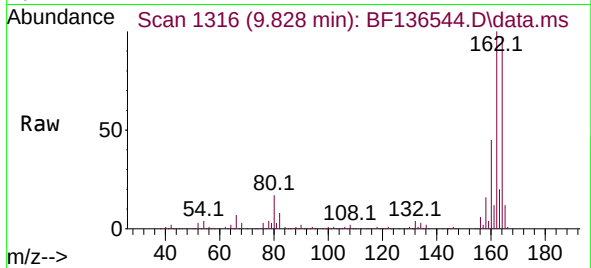




#57
2,4-Dinitrotoluene
Concen: 5.866 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

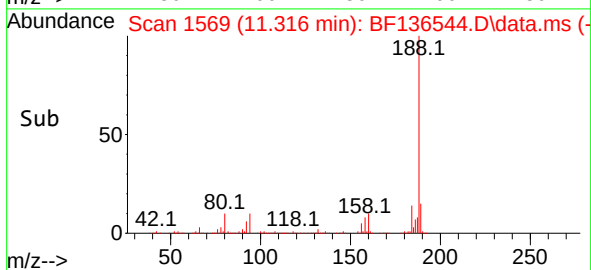
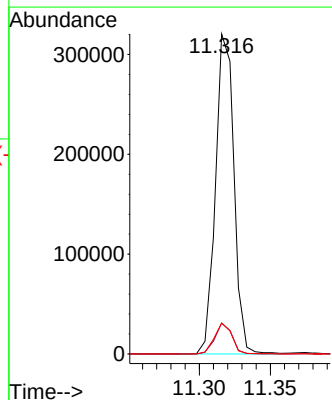
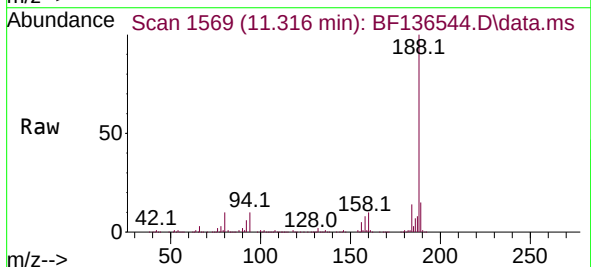
Instrument :
BNA_F
ClientSampleId :
WC-1

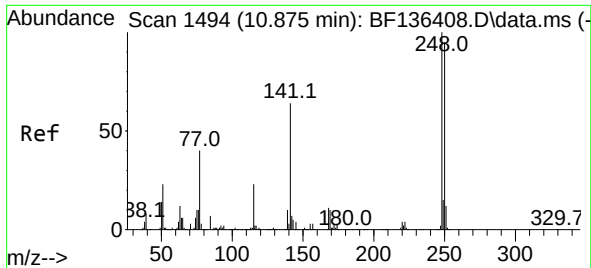
Tgt Ion:165	Resp:	22145
Ion Ratio	Lower	Upper
165	100	
63	0.7	31.4 47.2#
89	0.9	51.7 77.5#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion:188	Resp:	289773
Ion Ratio	Lower	Upper
188	100	
94	9.7	7.2 10.8
80	9.7	7.2 10.8

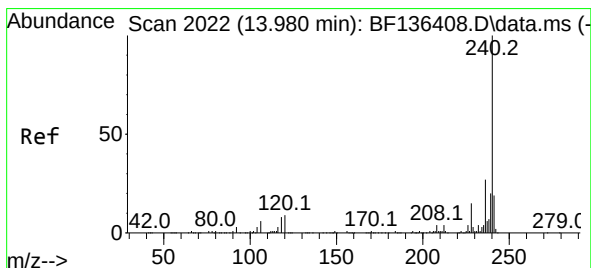
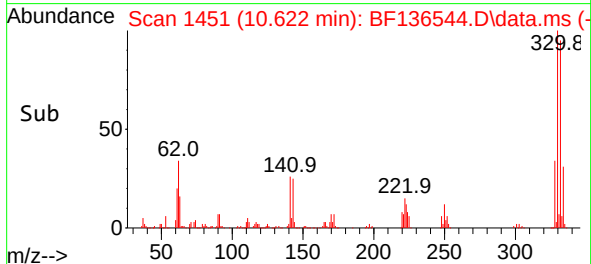
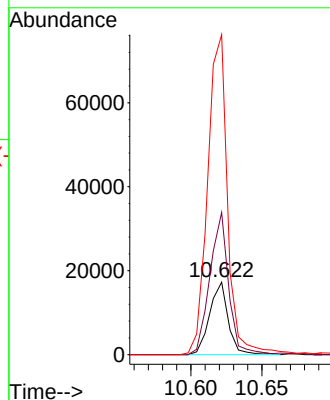
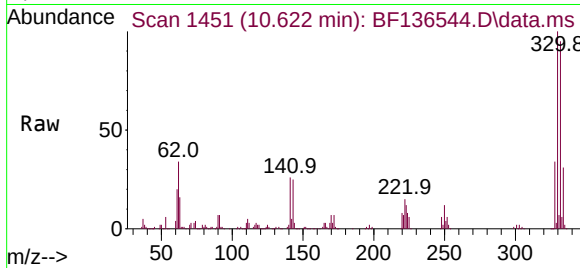




#67
4-Bromophenyl-phenylether
Concen: 4.699 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

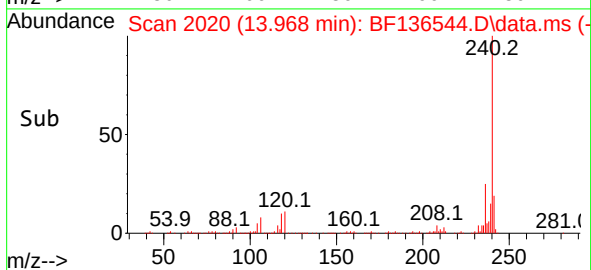
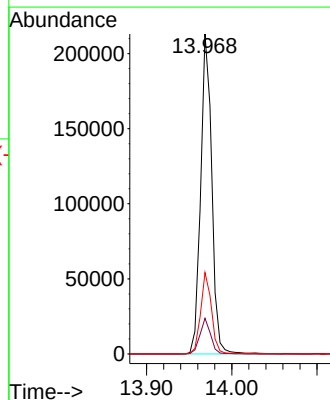
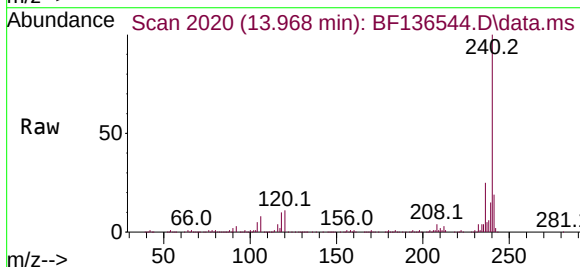
Instrument :
BNA_F
ClientSampleId :
WC-1

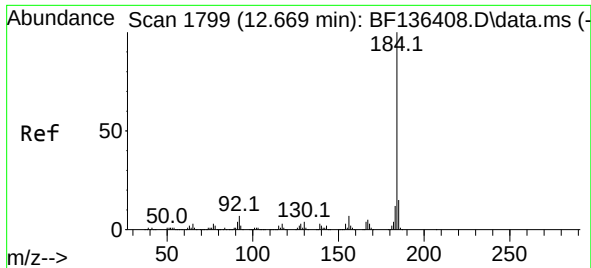
Tgt Ion:248 Resp: 15831
Ion Ratio Lower Upper
248 100
250 196.3 76.2 114.2#
141 441.5 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion:240 Resp: 193299
Ion Ratio Lower Upper
240 100
120 11.1 7.3 10.9#
236 25.4 21.3 31.9

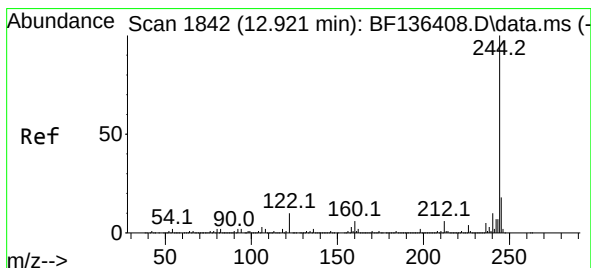
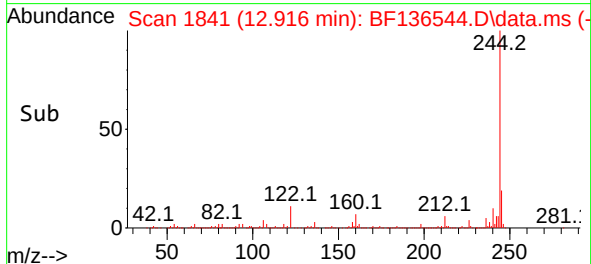
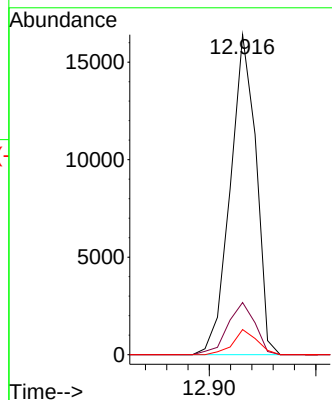
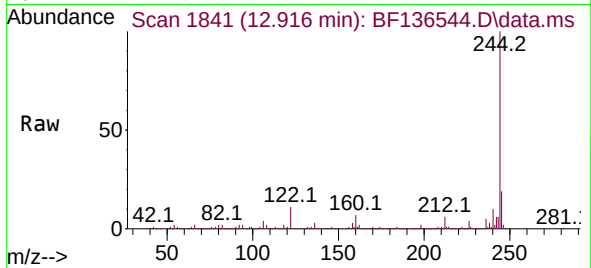




#77
Benzidine
Concen: 3.930 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.247 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

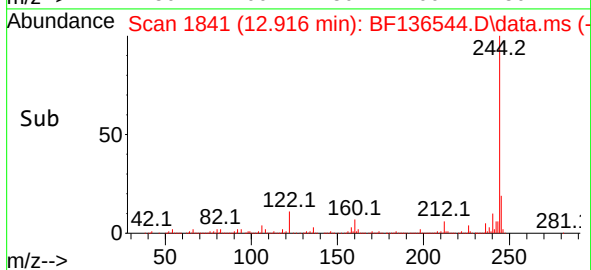
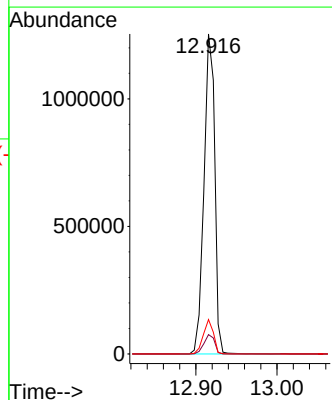
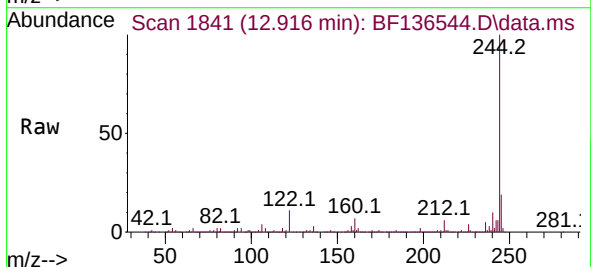
Instrument :
BNA_F
ClientSampleId :
WC-1

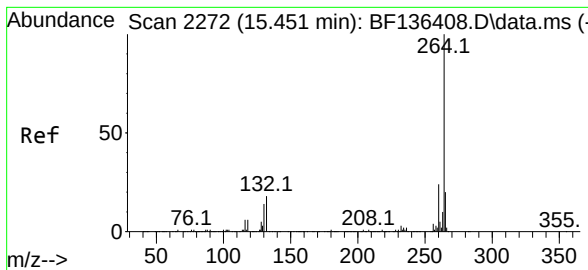
Tgt Ion:184 Resp: 13819
Ion Ratio Lower Upper
184 100
185 16.3 12.0 18.0
183 7.8 9.4 14.0#



#79
Terphenyl-d14
Concen: 78.572 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136544.D
Acq: 13 Dec 2023 18:41

Tgt Ion:244 Resp: 1152301
Ion Ratio Lower Upper
244 100
212 6.0 5.0 7.4
122 10.8 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136544.D
 Acq: 13 Dec 2023 18:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:264 Resp: 188161

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.4	15.9	23.9

