

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141609.D
 Acq On : 13 Feb 2025 12:51
 Operator : RC/JU
 Sample : Q1343-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-13

Quant Time: Feb 13 13:11:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

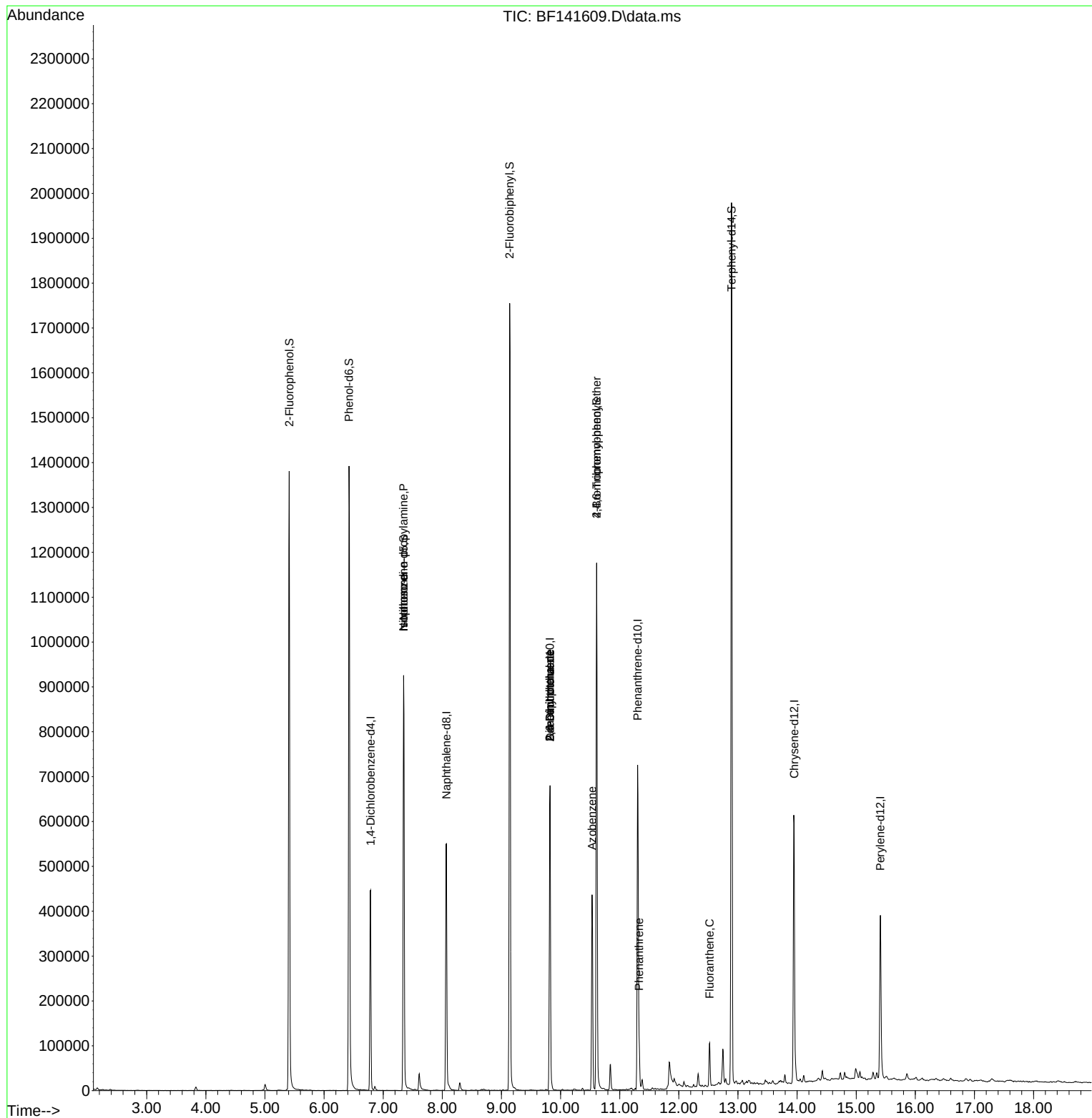
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	95544	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	392144	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	214866	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	388865	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	296511	20.000	ng	-0.01
86) Perylene-d12	15.409	264	220737	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	513169	84.204	ng	0.00
7) Phenol-d6	6.422	99	647406	84.048	ng	-0.02
23) Nitrobenzene-d5	7.345	82	428451	56.987	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	192027	88.966	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	803696	57.627	ng	-0.01
79) Terphenyl-d14	12.892	244	965566	54.974	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	57407	12.459	ng	# 74
25) Isophorone	7.345	82	411892	34.359	ng	# 66
50) Dimethylphthalate	9.822	163	32435	2.224	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	28034	8.792	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	28034	6.604	ng	# 19
63) Azobenzene	10.533	77	110245	7.727	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	12729	2.929	ng	# 1
71) Phenanthrene	11.327	178	49430	2.309	ng	97
75) Fluoranthene	12.521	202	60057	2.646	ng	98

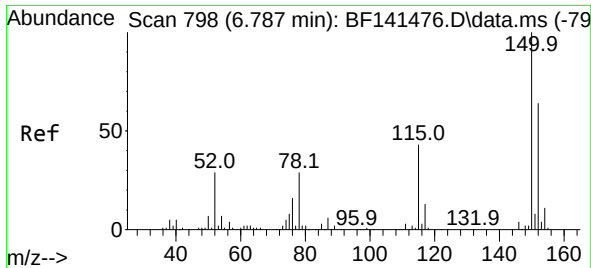
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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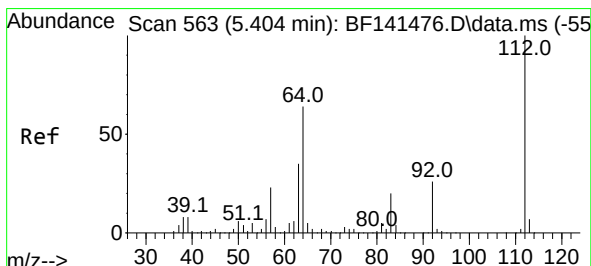
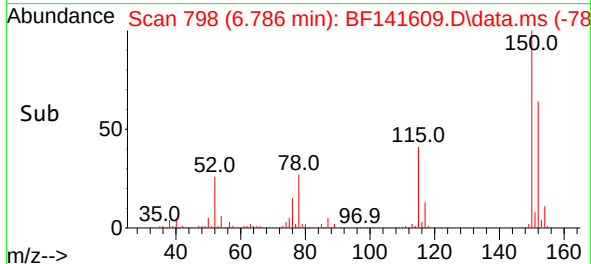
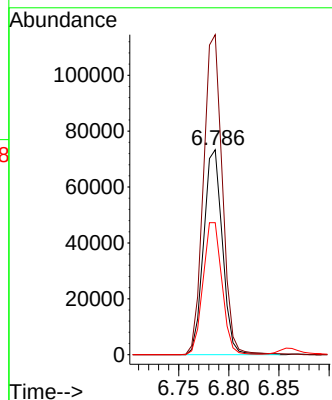
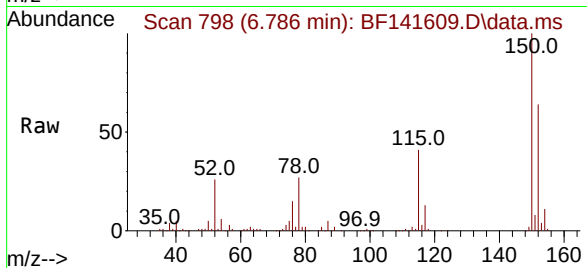




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

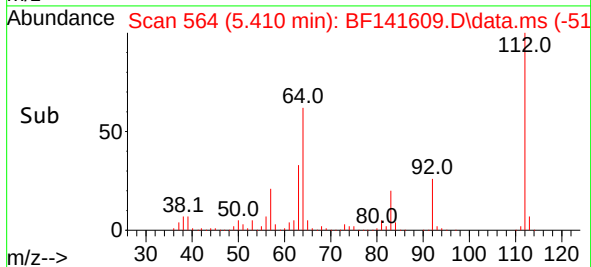
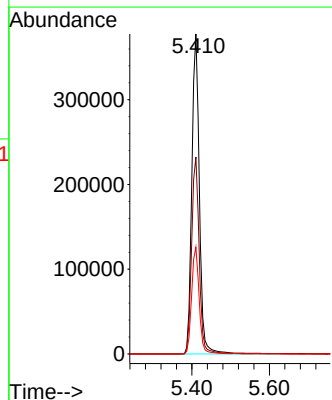
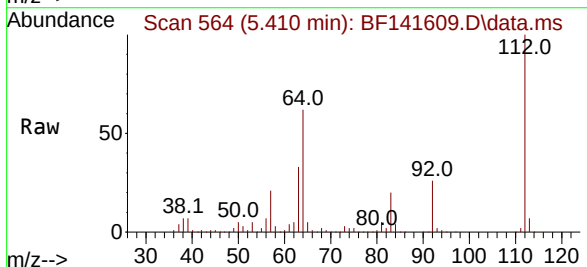
Instrument :
BNA_F
ClientSampleId :
WC-13

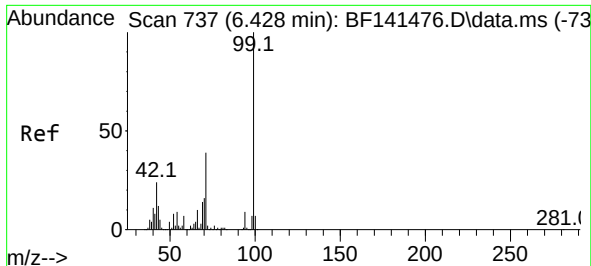
Tgt Ion:152 Resp: 95544
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 64.5 53.6 80.4



#5
2-Fluorophenol
Concen: 84.204 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion:112 Resp: 513169
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 33.3 28.4 42.6

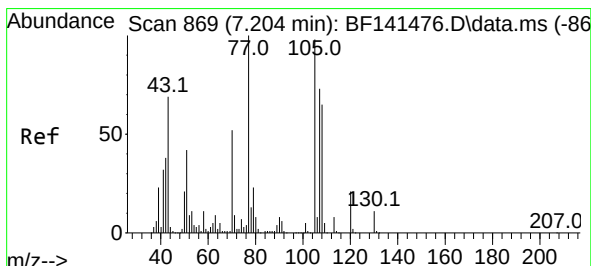
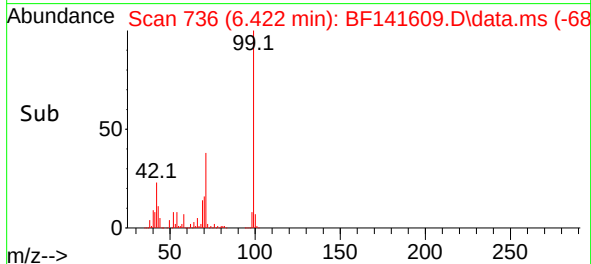
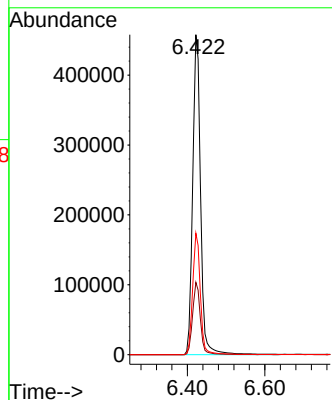
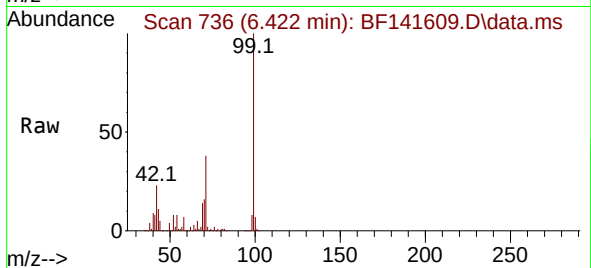




#7
Phenol-d6
Concen: 84.048 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

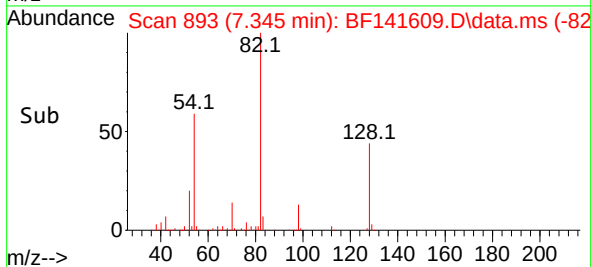
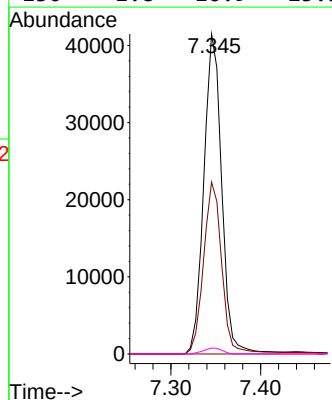
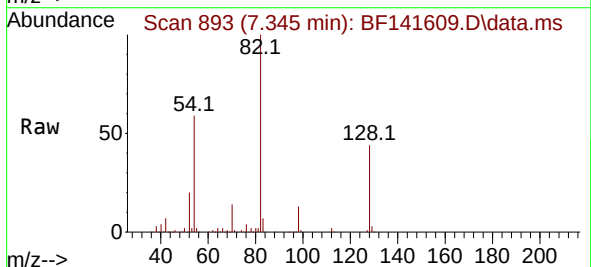
Instrument :
BNA_F
ClientSampleId :
WC-13

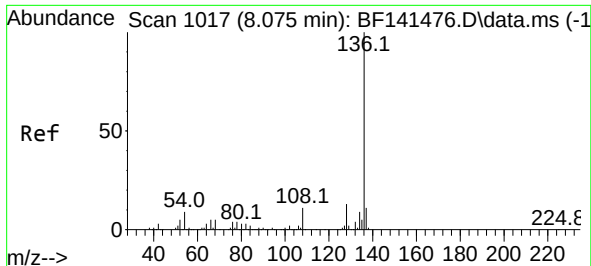
Tgt Ion: 99 Resp: 647406
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 38.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.459 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion: 70 Resp: 57407
Ion Ratio Lower Upper
70 100
42 53.7 57.4 86.2#
101 0.0 8.0 12.0#
130 1.8 16.9 25.3#

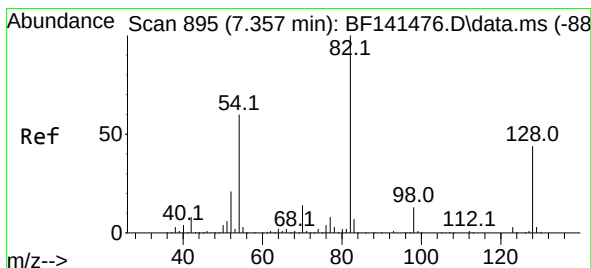
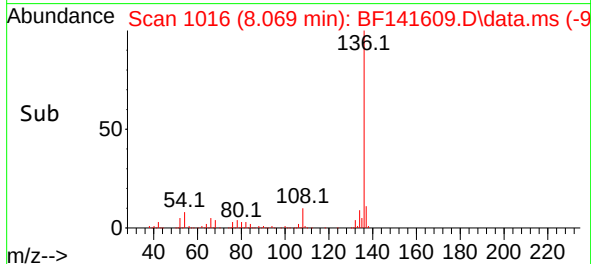
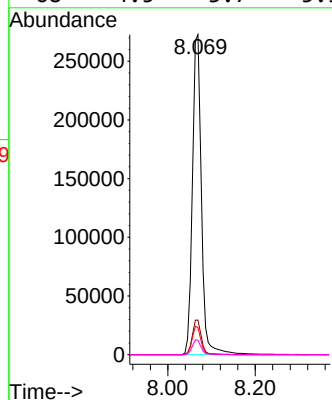
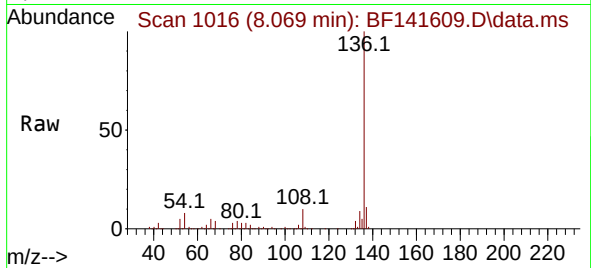




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

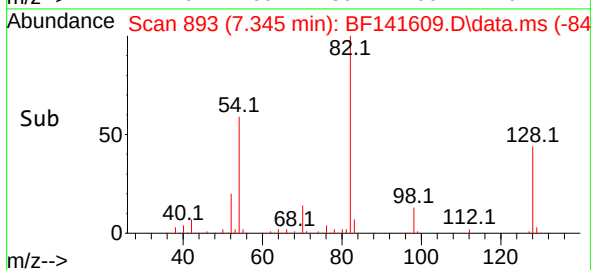
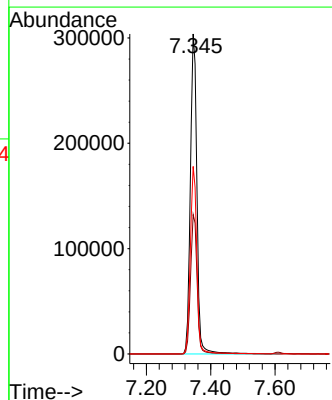
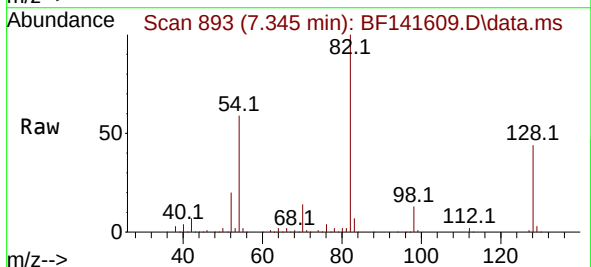
Instrument :
BNA_F
ClientSampleId :
WC-13

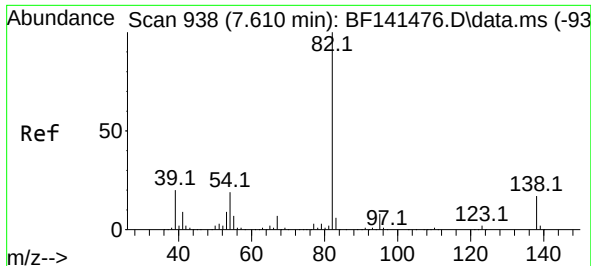
Tgt Ion:136 Resp: 392144
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 7.2 10.8
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 56.987 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion: 82 Resp: 428451
Ion Ratio Lower Upper
82 100
128 43.6 34.8 52.2
54 58.6 48.2 72.4

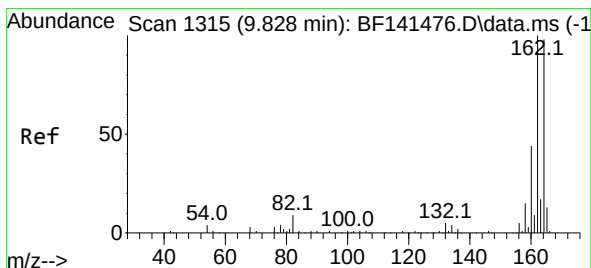
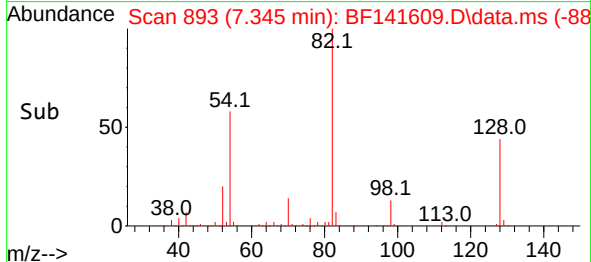
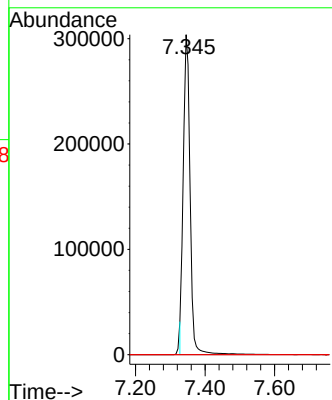
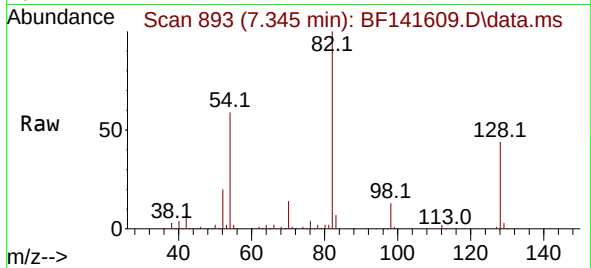




#25
Isophorone
Concen: 34.359 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

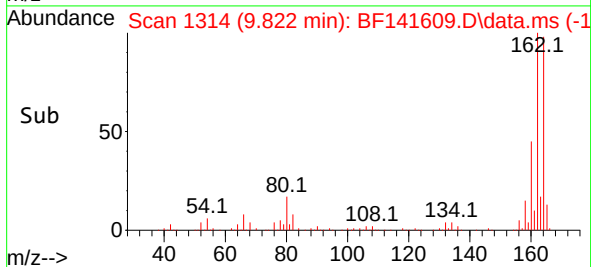
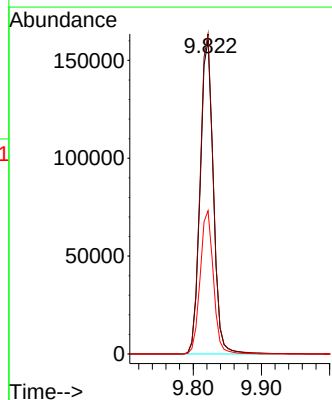
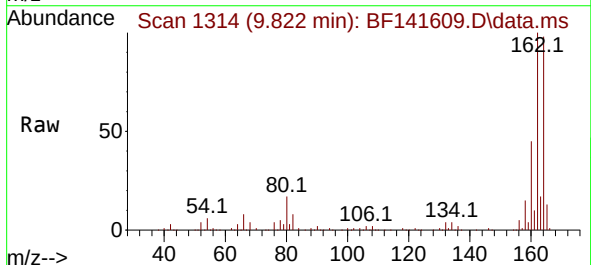
Instrument :
BNA_F
ClientSampleId :
WC-13

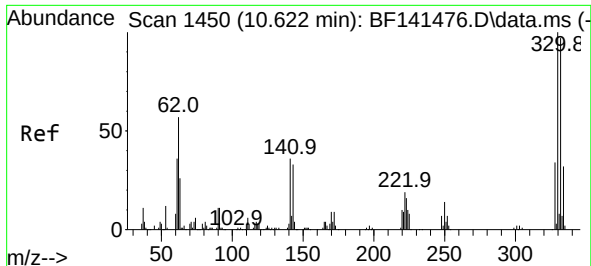
Tgt Ion: 82 Resp: 411892
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion:164 Resp: 214866
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 45.6 35.9 53.9

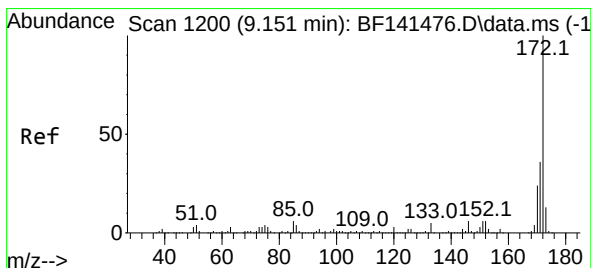
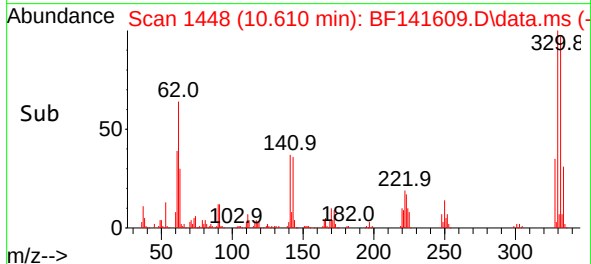
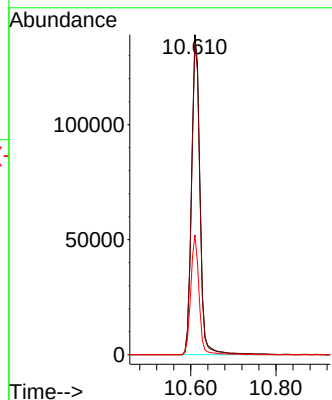
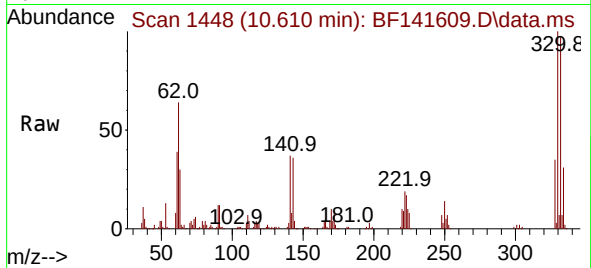




#42
2,4,6-Tribromophenol
Concen: 88.966 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

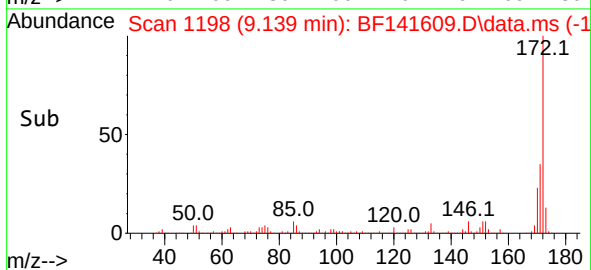
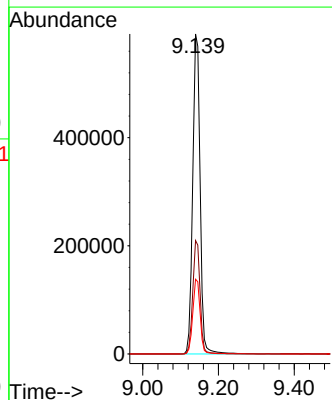
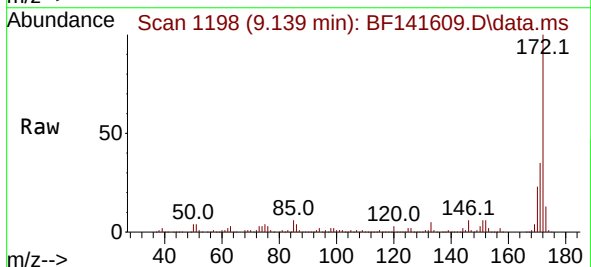
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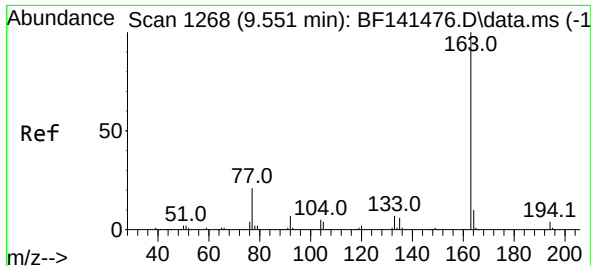
Tgt Ion: 330 Resp: 192027
Ion Ratio Lower Upper
330 100
332 96.7 78.5 117.7
141 36.4 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 57.627 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion: 172 Resp: 803696
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.4 18.9 28.3

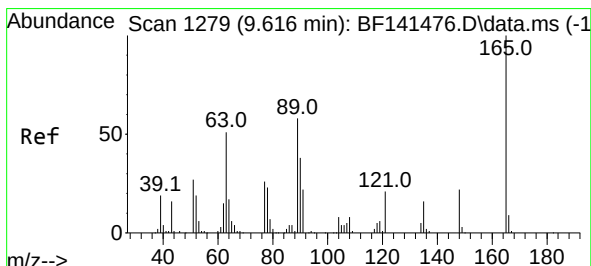
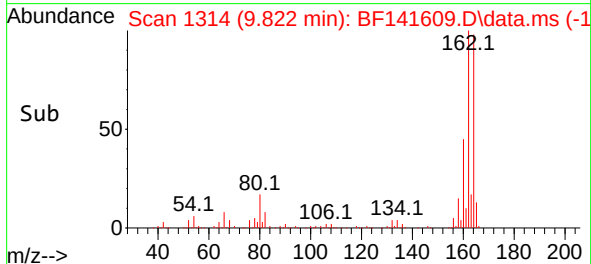
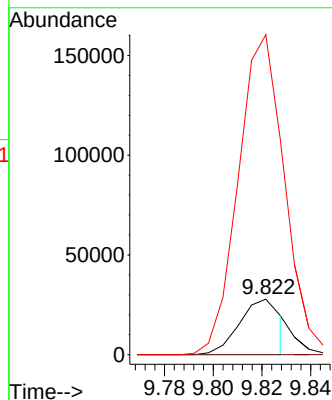
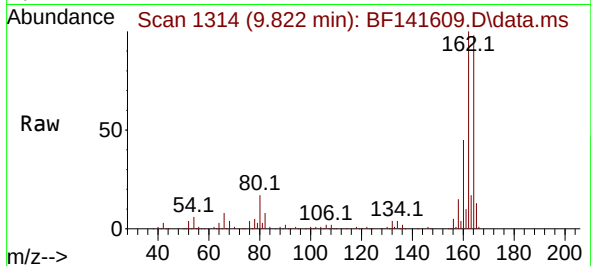




#50
Dimethylphthalate
Concen: 2.224 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

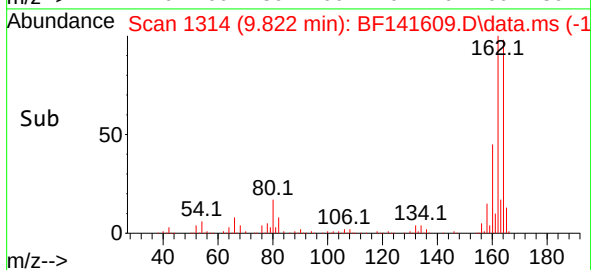
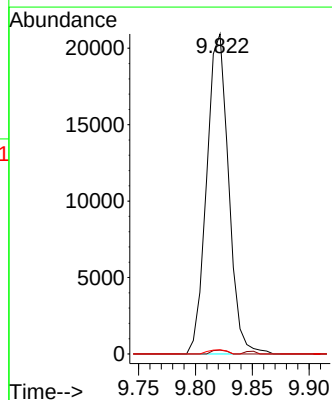
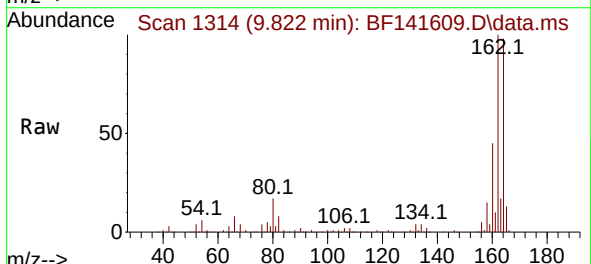
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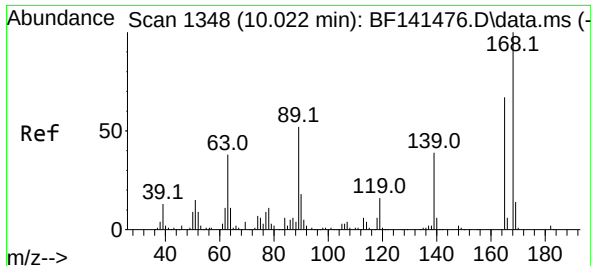
Tgt Ion:163 Resp: 32435
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 576.9 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.792 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

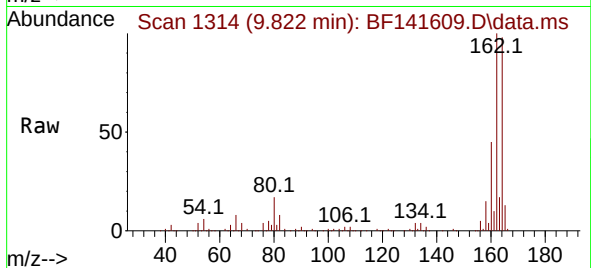
Tgt Ion:165 Resp: 28034
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.3 46.5 69.7#



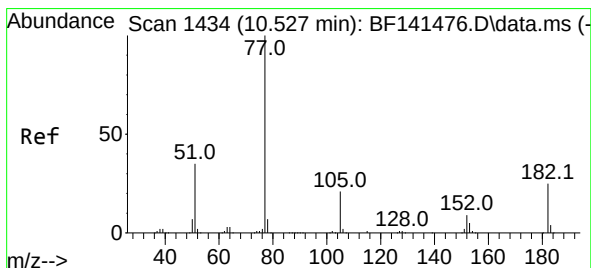
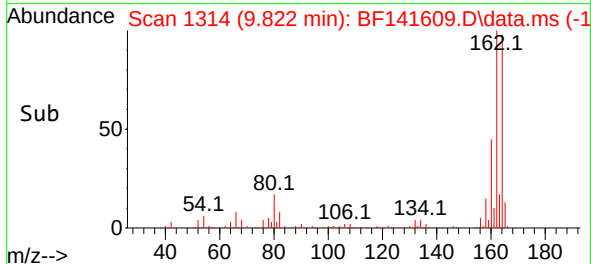
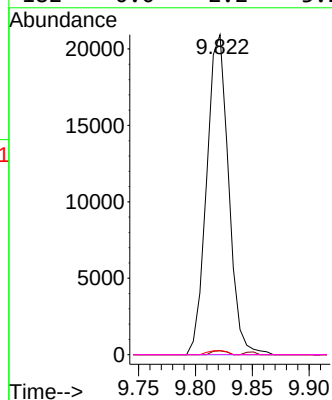


#57
2,4-Dinitrotoluene
Concen: 6.604 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Instrument :
BNA_F
ClientSampleId :
WC-13

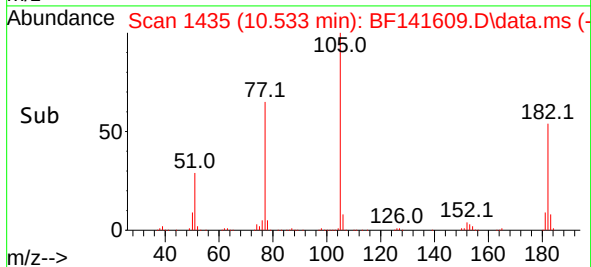
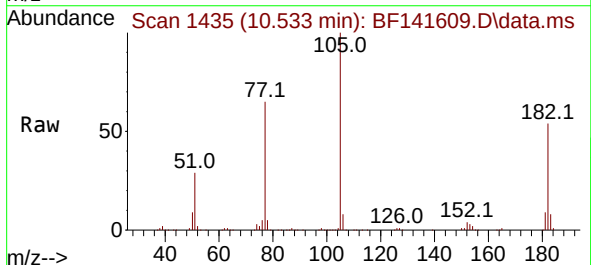
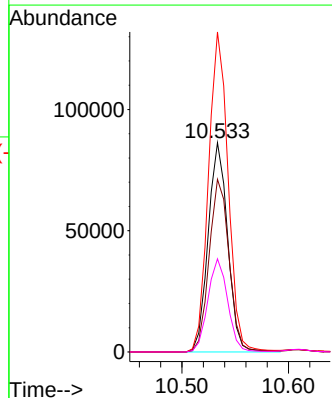


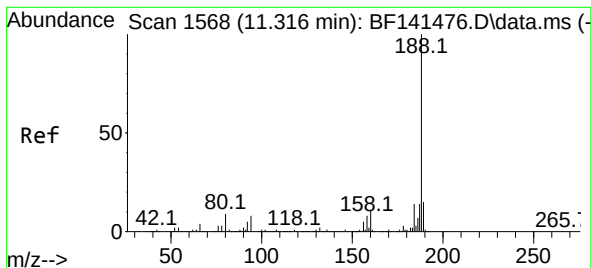
Tgt Ion:165 Resp: 28034
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 7.727 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion: 77 Resp: 110245
Ion Ratio Lower Upper
77 100
182 82.5 4.7 44.7#
105 153.0 0.4 40.4#
51 44.5 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

Instrument :

BNA_F

ClientSampleId :

WC-13

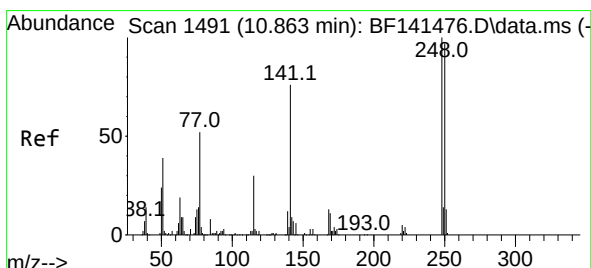
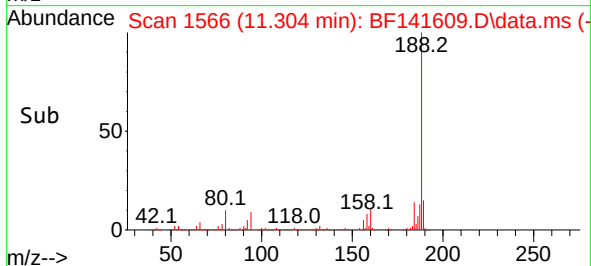
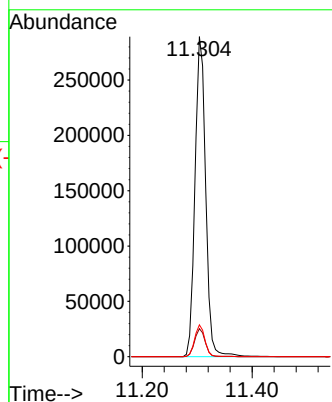
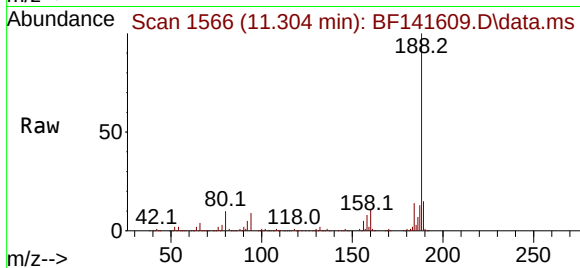
Tgt Ion:188 Resp: 388865

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 10.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.929 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

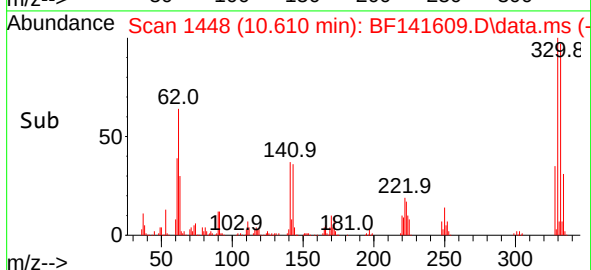
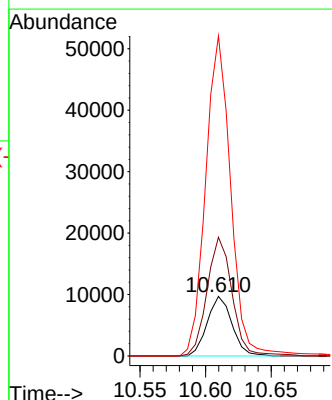
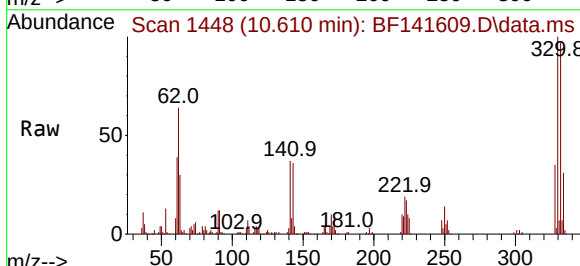
Tgt Ion:248 Resp: 12729

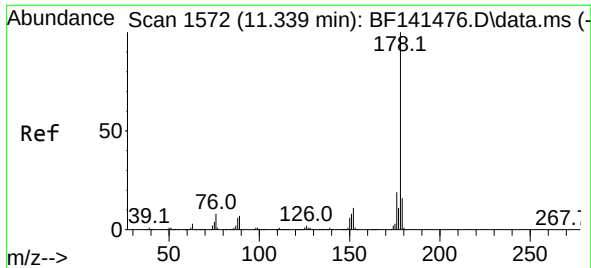
Ion Ratio Lower Upper

248 100

250 199.6 77.8 116.6#

141 537.9 60.6 90.8#

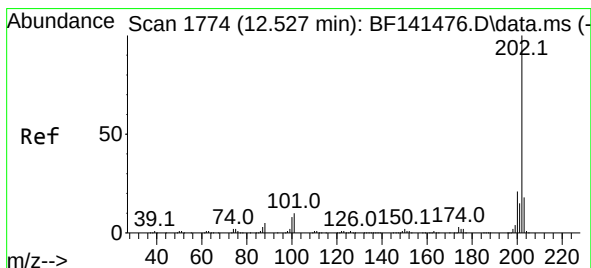
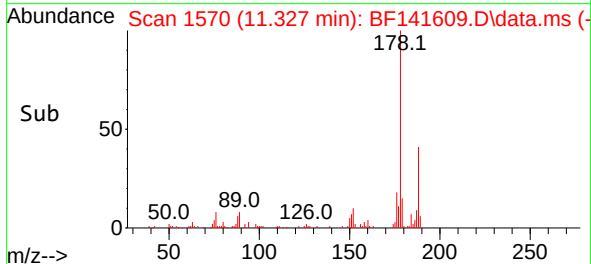
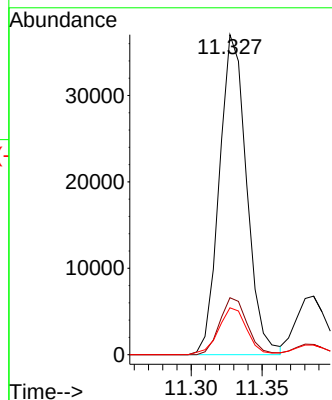
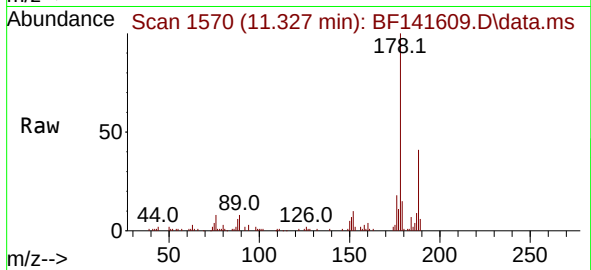




#71
Phenanthrene
Concen: 2.309 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

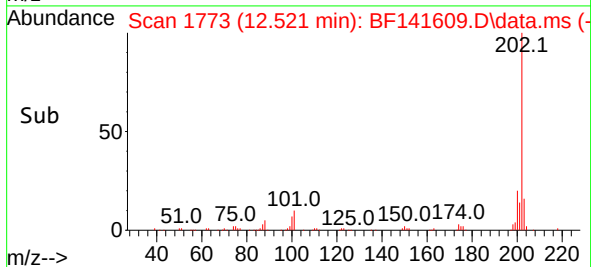
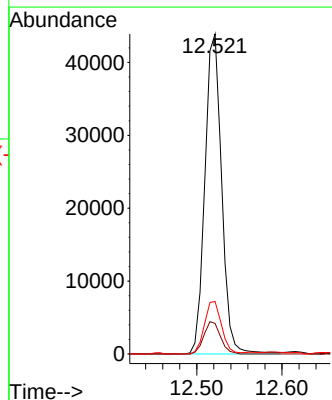
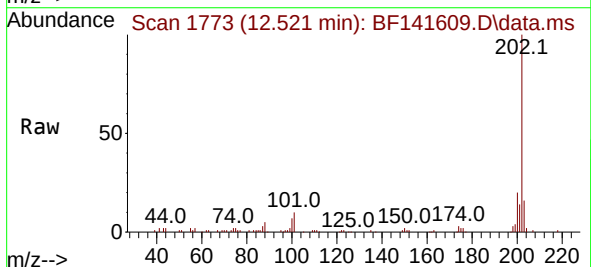
Instrument :
BNA_F
ClientSampleId :
WC-13

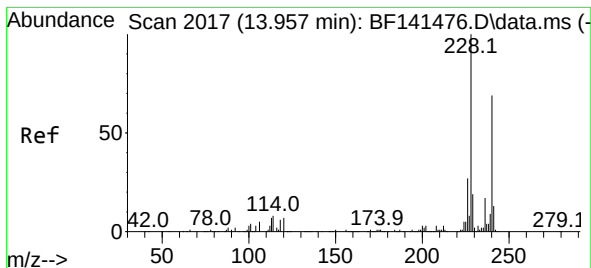
Tgt Ion:178 Resp: 49430
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 14.6 12.4 18.6



#75
Fluoranthene
Concen: 2.646 ng
RT: 12.521 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion:202 Resp: 60057
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 16.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

Instrument :

BNA_F

ClientSampleId :

WC-13

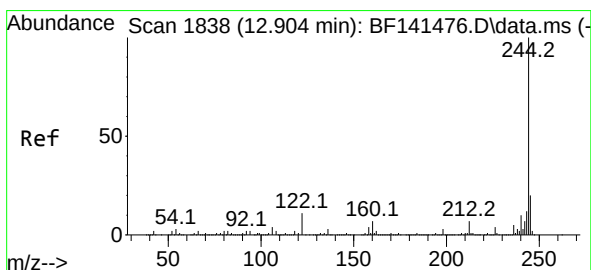
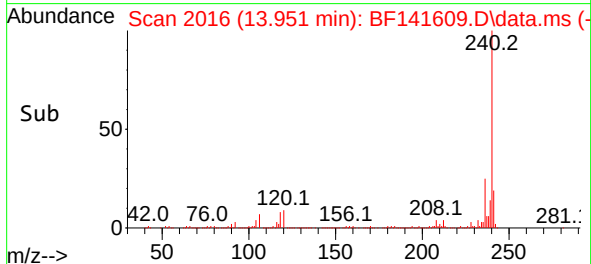
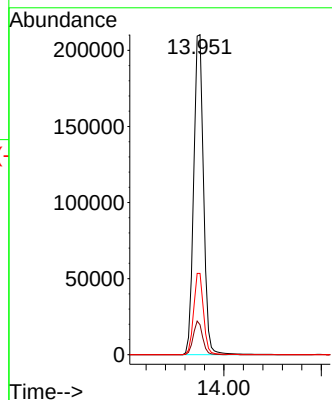
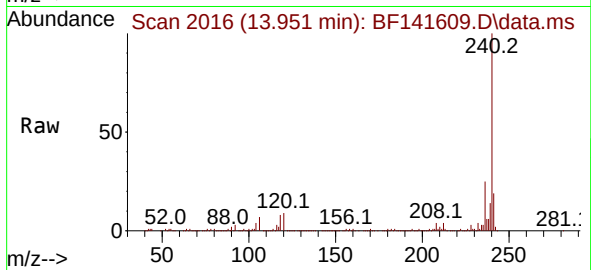
Tgt Ion:240 Resp: 296511

Ion Ratio Lower Upper

240 100

120 9.4 8.0 12.0

236 25.4 19.8 29.8



#79

Terphenyl-d14

Concen: 54.974 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

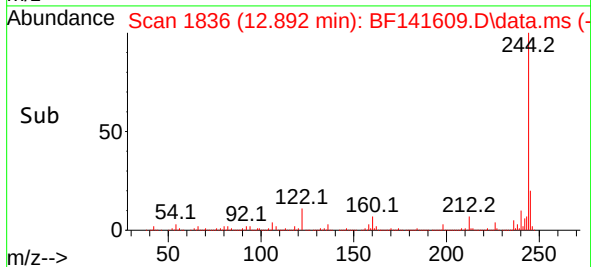
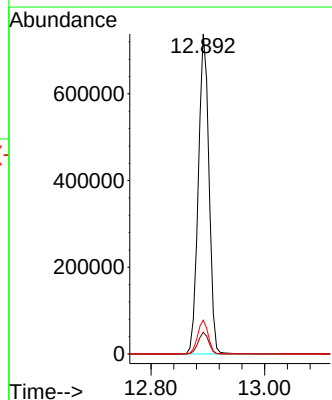
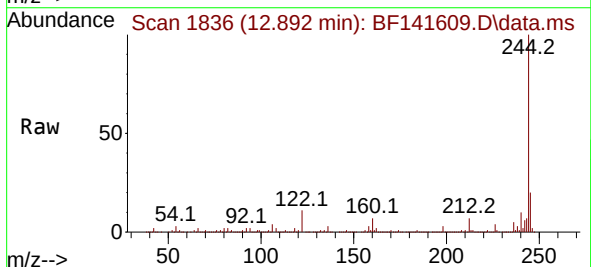
Tgt Ion:244 Resp: 965566

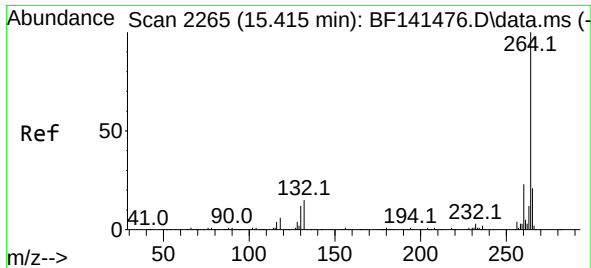
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.6 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141609.D
 Acq: 13 Feb 2025 12:51

Instrument :
 BNA_F
 ClientSampleId :
 WC-13

Tgt Ion:264 Resp: 220737
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.2 17.0 25.4

