

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132259.D
 Acq On : 01 Feb 2023 14:31
 Operator : CG\JU
 Sample : 01352-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WC

Quant Time: Feb 02 00:54:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

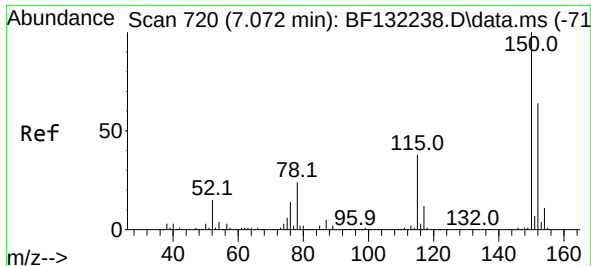
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	169685	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	662147	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	333448	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	629535	20.000	ng	0.00
76) Chrysene-d12	14.277	240	418655	20.000	ng	-0.01
86) Perylene-d12	15.865	264	368492	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	1007211	95.411	ng	0.00
7) Phenol-d6	6.678	99	1238911	95.193	ng	0.00
23) Nitrobenzene-d5	7.631	82	738816	62.091	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	298955	87.183	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	1206433	55.872	ng	0.00
79) Terphenyl-d14	13.213	244	1339204	61.878	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.619	77	144	Below Cal	#	32
19) n-Nitroso-di-n-propyla...	7.631	70	90626	12.259	ng	# 78
25) Isophorone	7.631	82	738805	32.713	ng	# 64
51) 2,6-Dinitrotoluene	10.119	165	44375	8.518	ng	# 24
57) 2,4-Dinitrotoluene	10.119	165	44375	6.558	ng	# 23
67) 4-Bromophenyl-phenylether	10.907	248	17905	2.778	ng	# 1
71) Phenanthrene	11.642	178	96248	2.926	ng	96
75) Fluoranthene	12.836	202	214400	6.387	ng	97
78) Pyrene	13.072	202	224750	6.675	ng	99
81) Benzo(a)anthracene	14.266	228	106504	3.637	ng	99
83) Chrysene	14.301	228	90363	3.296	ng	95
84) Bis(2-ethylhexyl)phtha...	14.242	149	86330	4.293	ng	# 99
88) Benzo(b)fluoranthene	15.383	252	112969	4.823	ng	98
89) Benzo(k)fluoranthene	15.383	252	112969	5.053	ng	98
90) Benzo(a)pyrene	15.789	252	57586	2.640	ng	97

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

TP-2-WC

Response via : Initial Calibration

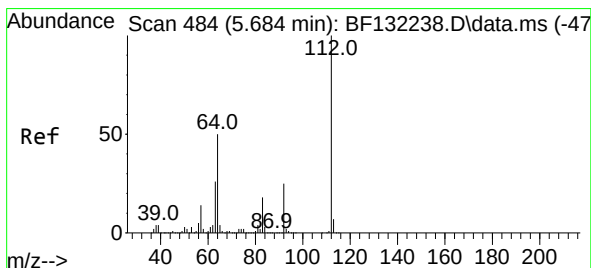
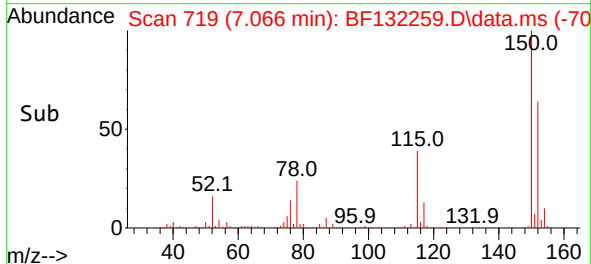
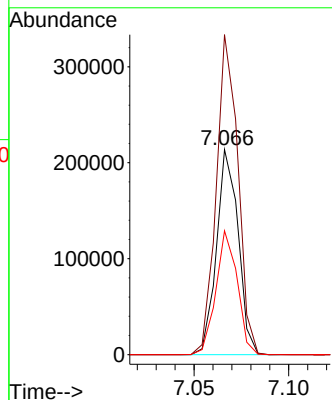
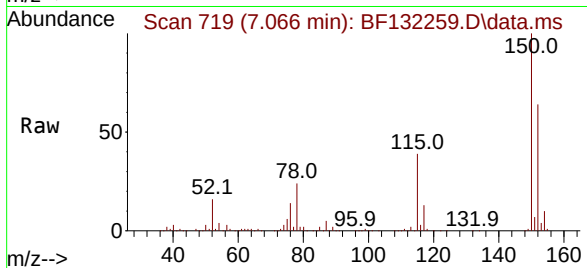




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.066 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF132259.D
 Acq: 01 Feb 2023 14:31

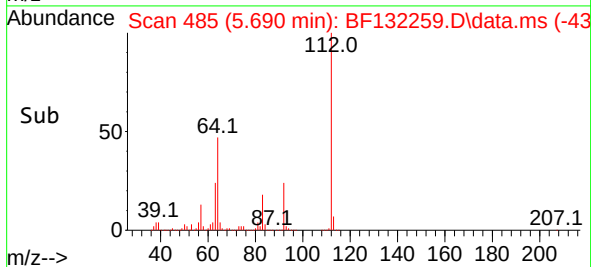
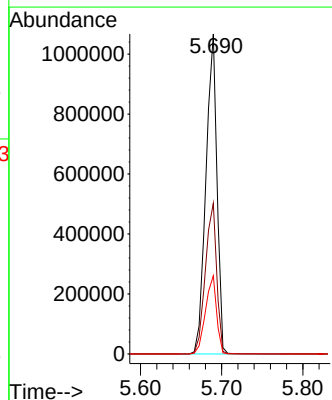
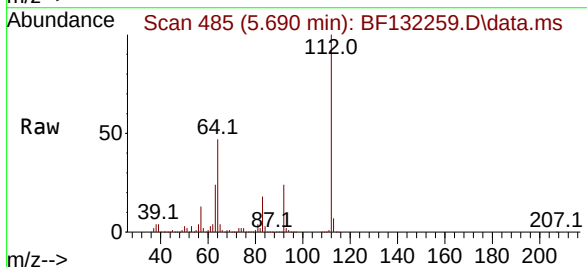
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-WC

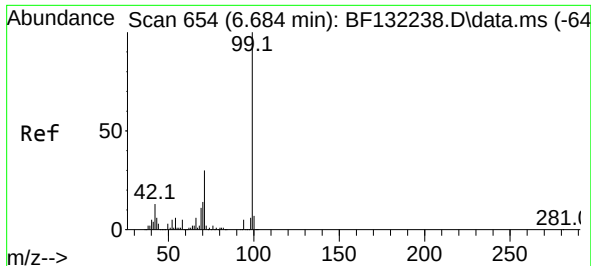
Tgt Ion:152 Resp: 169685
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.2 186.2
 115 60.4 47.3 70.9



#5
 2-Fluorophenol
 Concen: 95.411 ng
 RT: 5.690 min Scan# 485
 Delta R.T. 0.006 min
 Lab File: BF132259.D
 Acq: 01 Feb 2023 14:31

Tgt Ion:112 Resp: 1007211
 Ion Ratio Lower Upper
 112 100
 64 47.1 40.0 60.0
 63 24.4 20.5 30.7

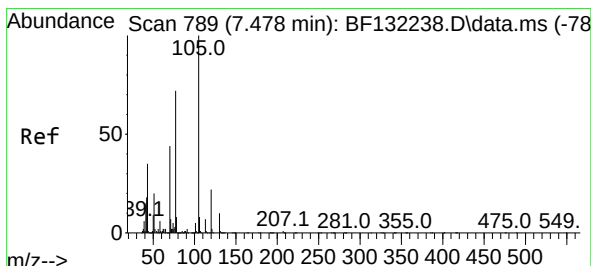
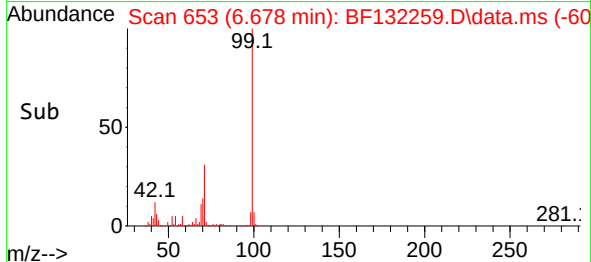
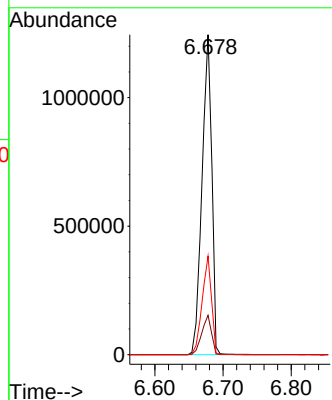
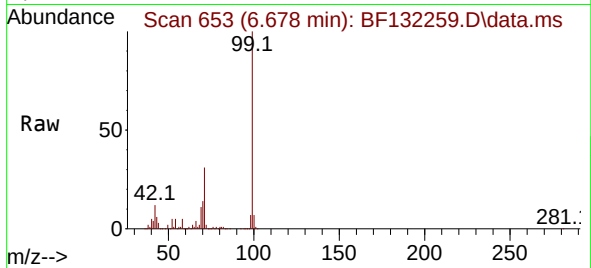




#7
Phenol-d6
Concen: 95.193 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

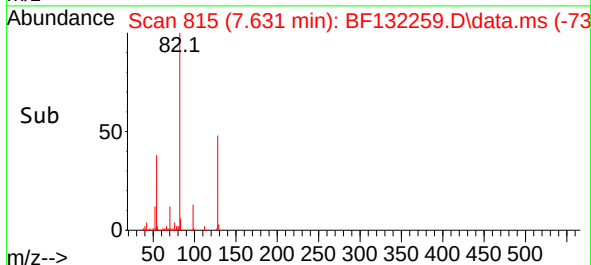
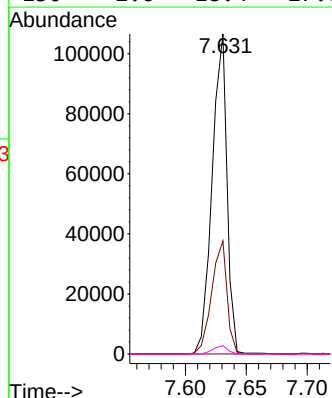
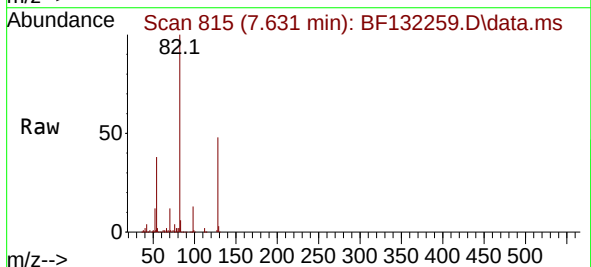
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

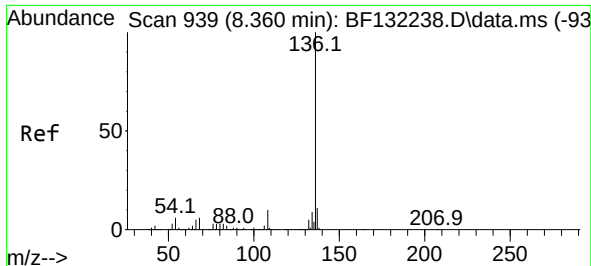
Tgt Ion: 99 Resp: 1238911
Ion Ratio Lower Upper
99 100
42 12.3 10.1 15.1
71 30.8 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.259 ng
RT: 7.631 min Scan# 815
Delta R.T. 0.153 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion: 70 Resp: 90626
Ion Ratio Lower Upper
70 100
42 35.4 33.4 50.0
101 0.0 8.2 12.4#
130 2.6 18.4 27.6#

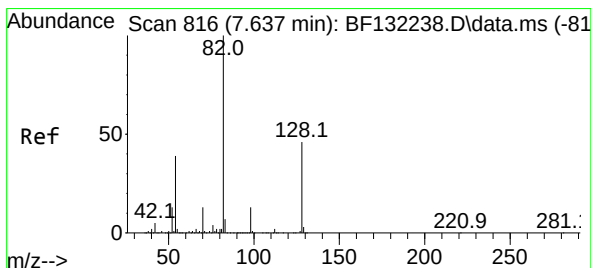
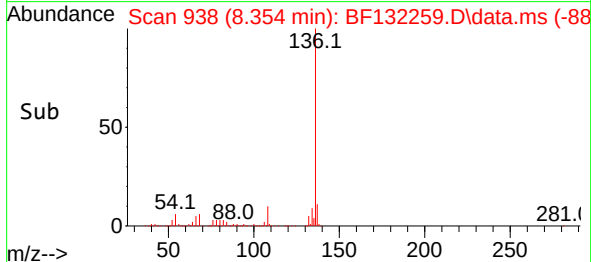
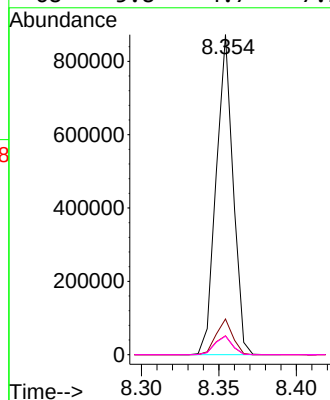
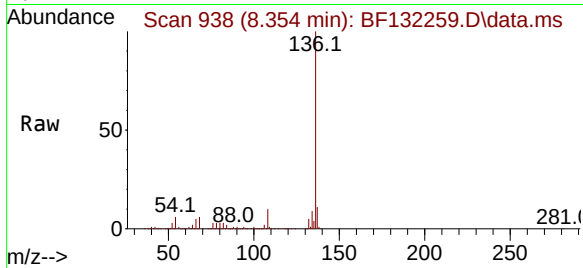




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

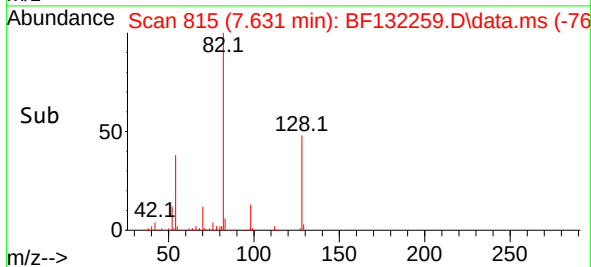
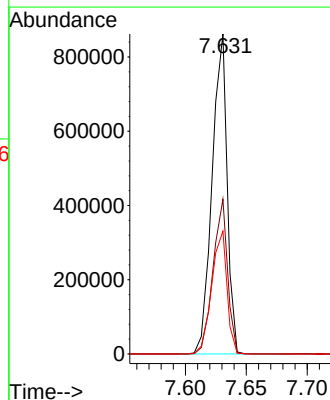
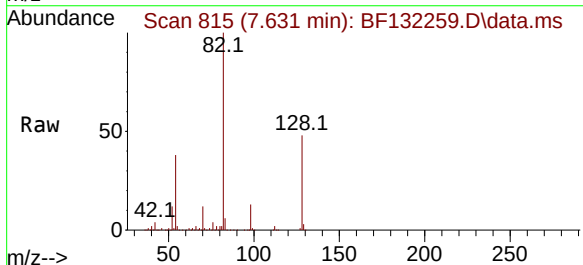
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

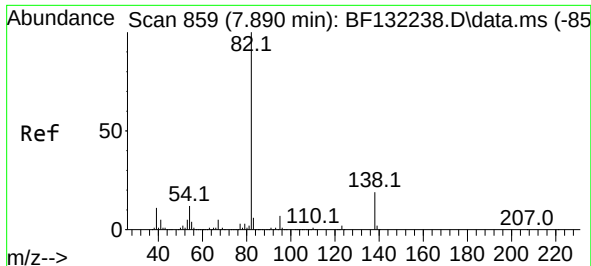
Tgt Ion:136 Resp: 662147
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.9 4.9 7.3
68 5.8 4.7 7.1



#23
Nitrobenzene-d5
Concen: 62.091 ng
RT: 7.631 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion: 82 Resp: 738816
Ion Ratio Lower Upper
82 100
128 48.3 37.0 55.4
54 38.4 31.5 47.3

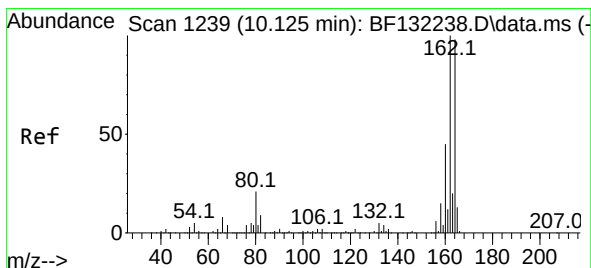
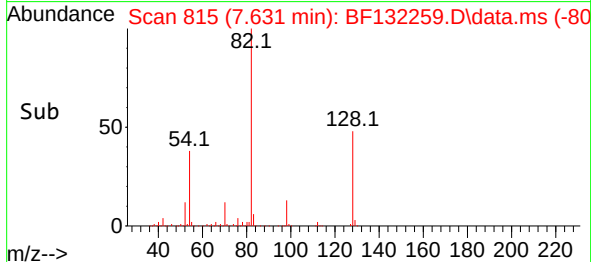
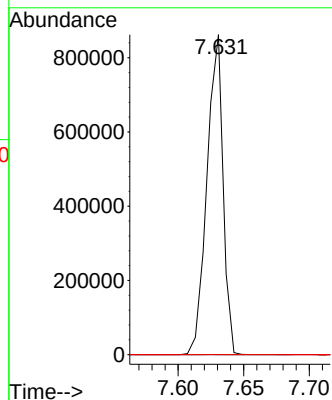
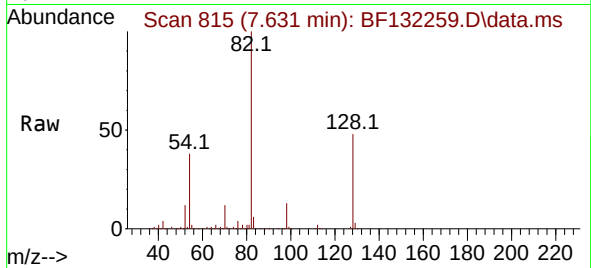




#25
Isophorone
Concen: 32.713 ng
RT: 7.631 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

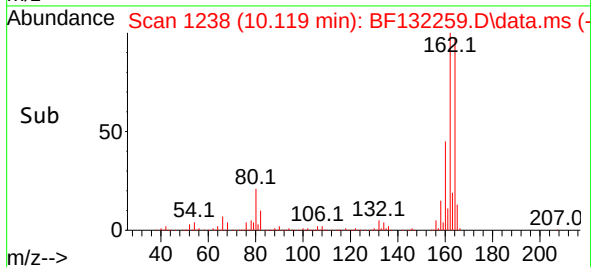
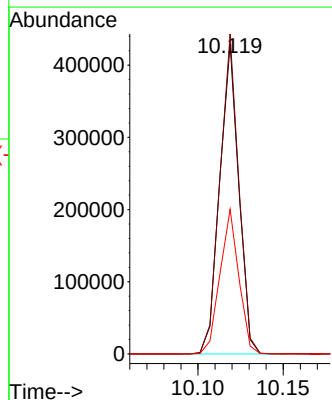
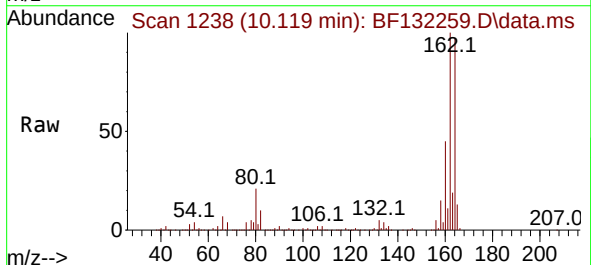
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

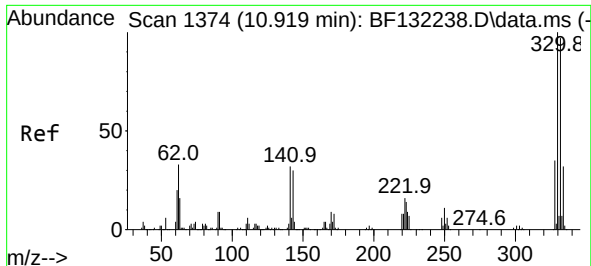
Tgt Ion: 82 Resp: 738805
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion:164 Resp: 333448
Ion Ratio Lower Upper
164 100
162 103.3 82.0 123.0
160 46.7 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 87.183 ng

RT: 10.913 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

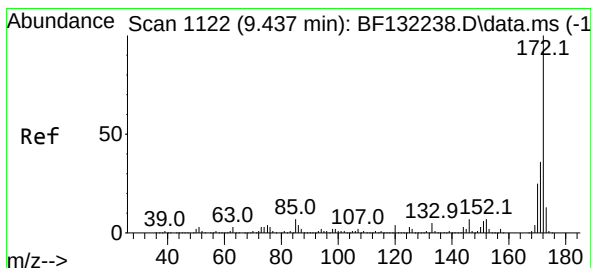
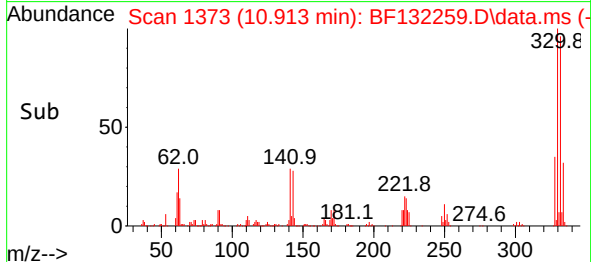
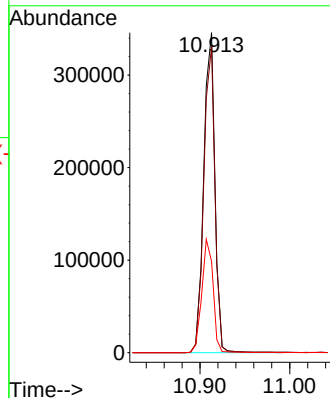
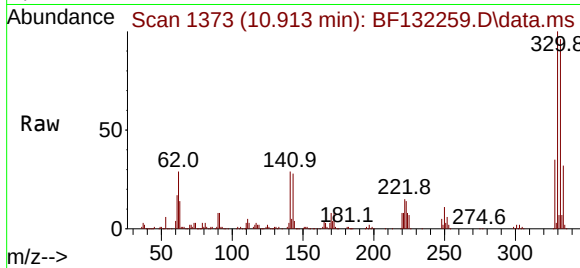
Tgt Ion:330 Resp: 298955

Ion Ratio Lower Upper

330 100

332 95.9 77.9 116.9

141 35.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 55.872 ng

RT: 9.431 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

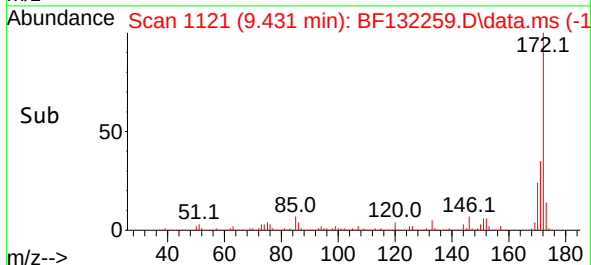
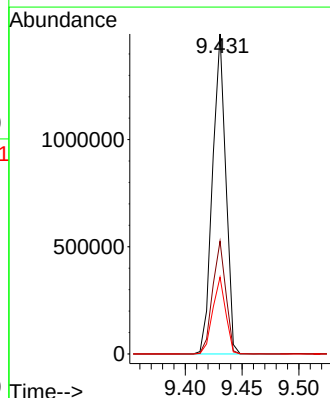
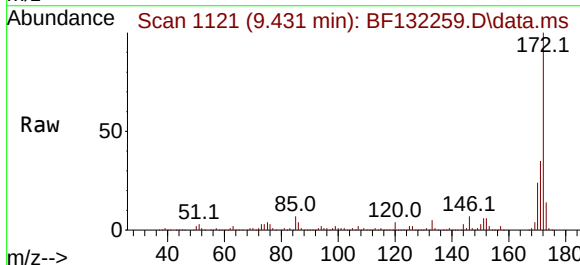
Tgt Ion:172 Resp: 1206433

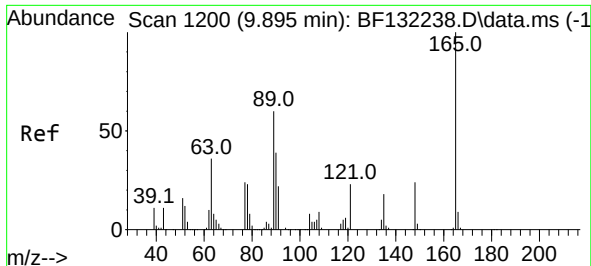
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 24.0 19.7 29.5





#51

2,6-Dinitrotoluene

Concen: 8.518 ng

RT: 10.119 min Scan# 1238

Delta R.T. 0.224 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

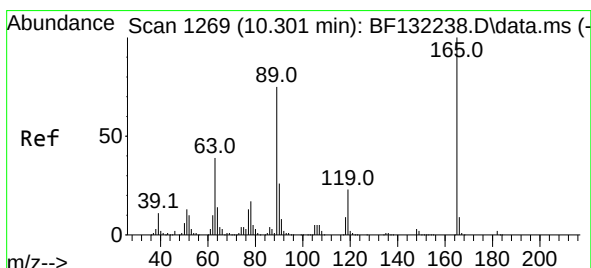
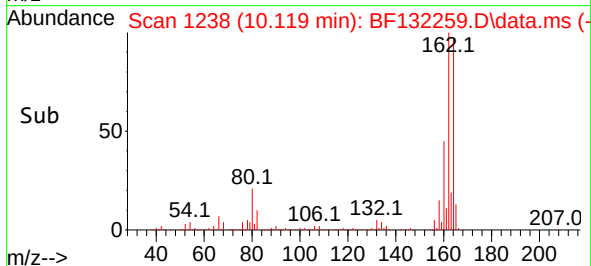
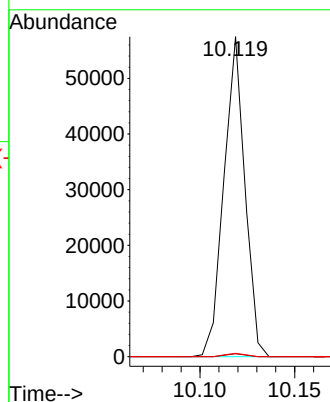
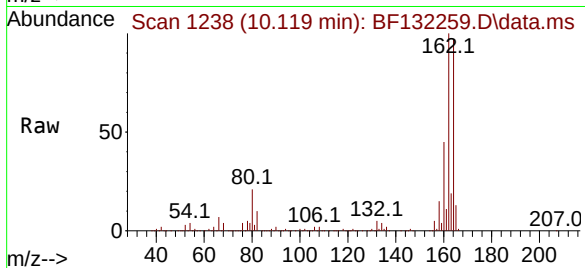
Tgt Ion:165 Resp: 44375

Ion Ratio Lower Upper

165 100

63 0.9 41.5 62.3#

89 1.1 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 6.558 ng

RT: 10.119 min Scan# 1238

Delta R.T. -0.182 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

Tgt Ion:165 Resp: 44375

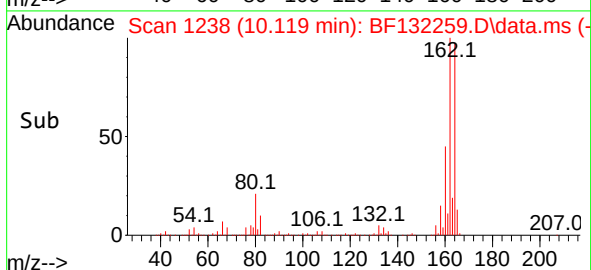
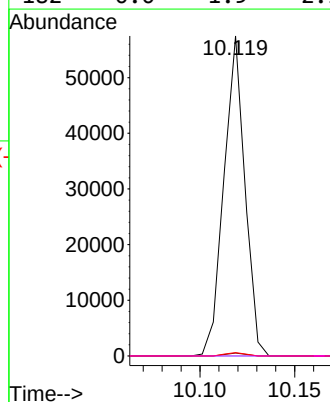
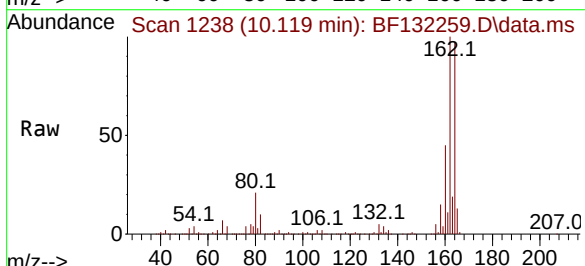
Ion Ratio Lower Upper

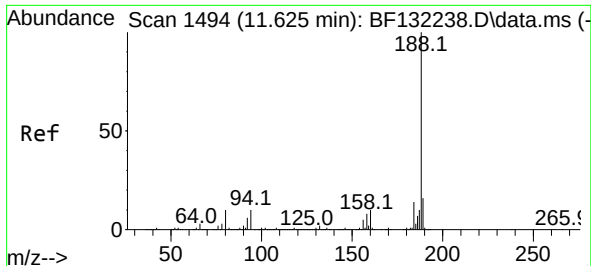
165 100

63 0.9 30.9 46.3#

89 1.1 60.1 90.1#

182 0.0 1.9 2.9#

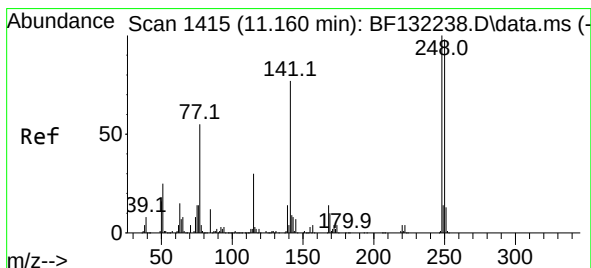
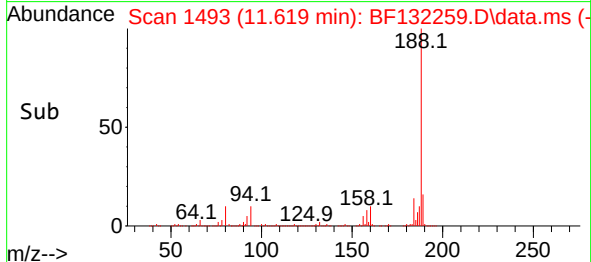
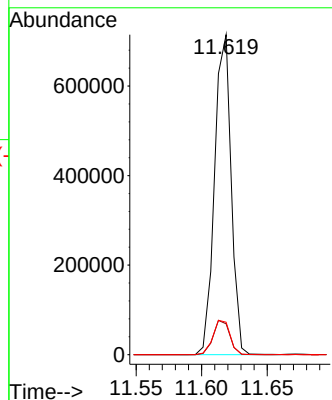
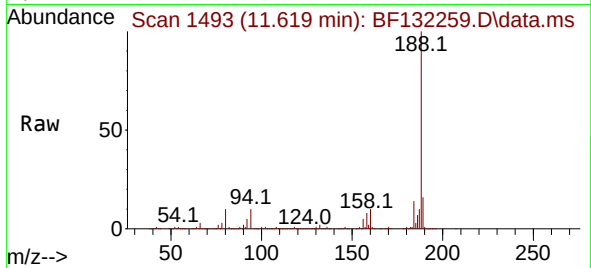




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.619 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

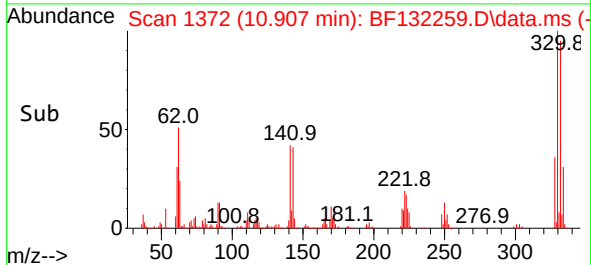
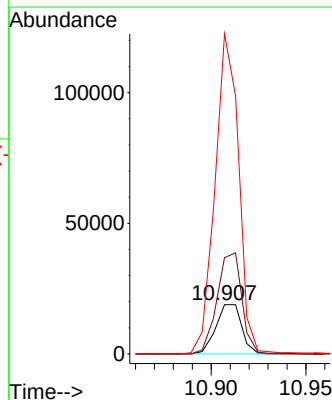
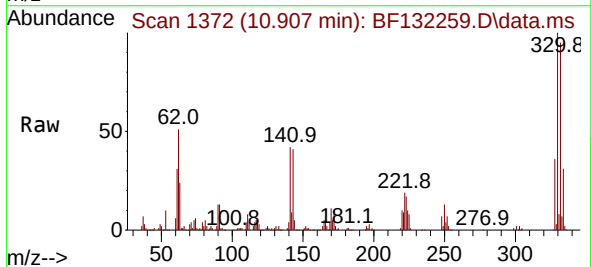
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

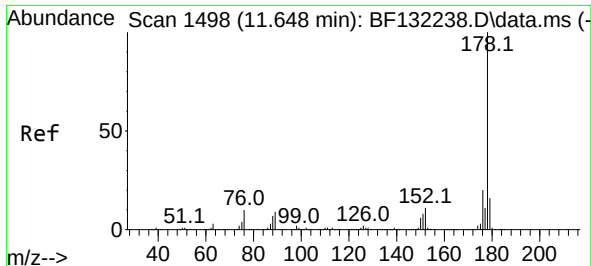
Tgt Ion:188 Resp: 629535
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 10.1 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 2.778 ng
RT: 10.907 min Scan# 1372
Delta R.T. -0.253 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion:248 Resp: 17905
Ion Ratio Lower Upper
248 100
250 195.4 78.6 117.8#
141 648.7 61.6 92.4#

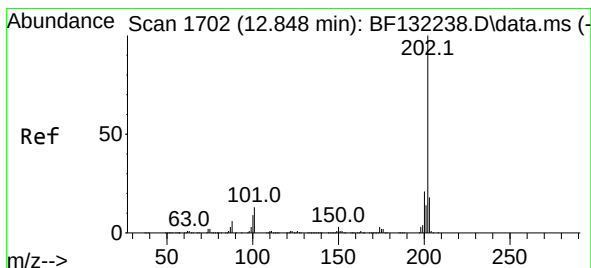
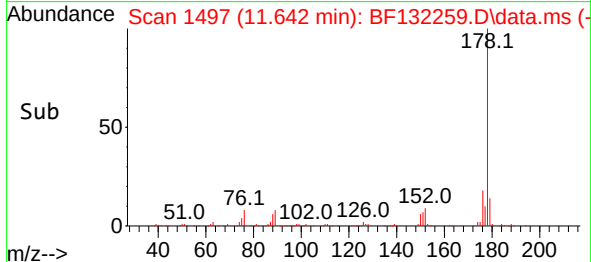
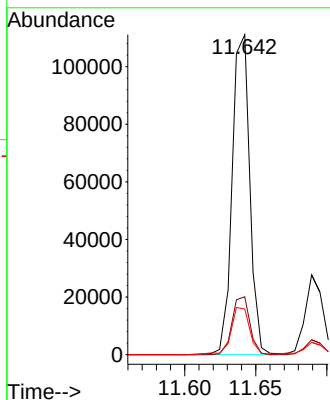
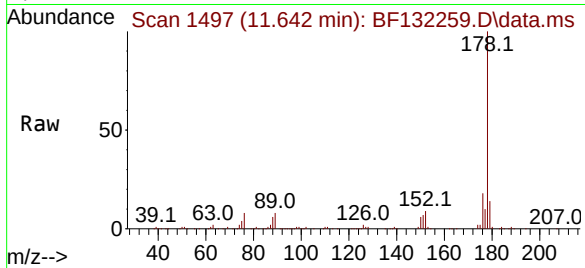




#71
Phenanthrene
Concen: 2.926 ng
RT: 11.642 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

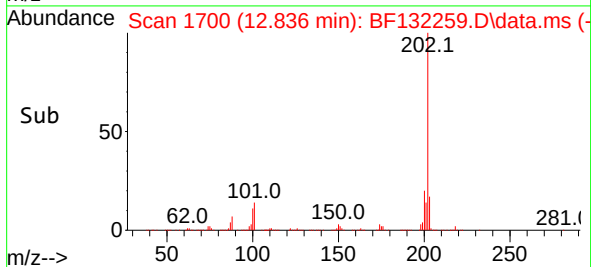
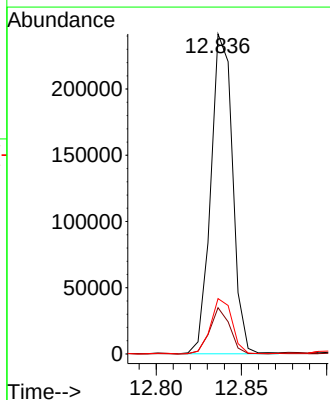
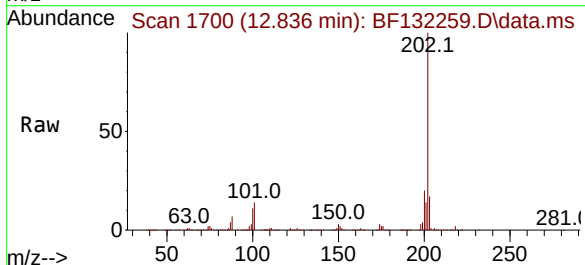
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

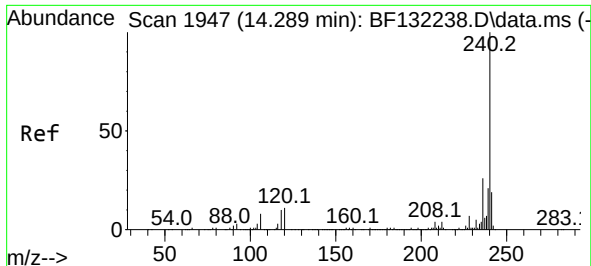
Tgt Ion:178 Resp: 96248
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 14.3 12.8 19.2



#75
Fluoranthene
Concen: 6.387 ng
RT: 12.836 min Scan# 1700
Delta R.T. -0.012 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion:202 Resp: 214400
Ion Ratio Lower Upper
202 100
101 14.4 0.0 32.7
203 17.3 0.0 37.9

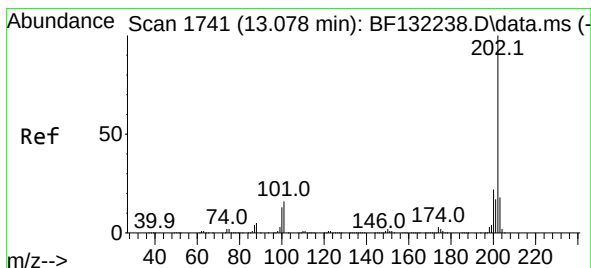
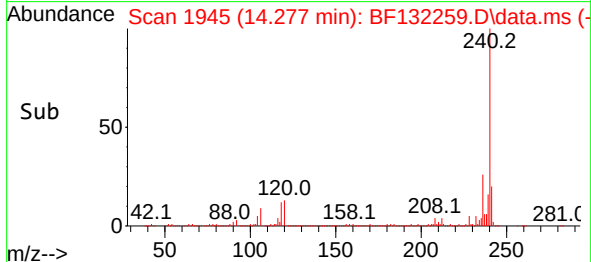
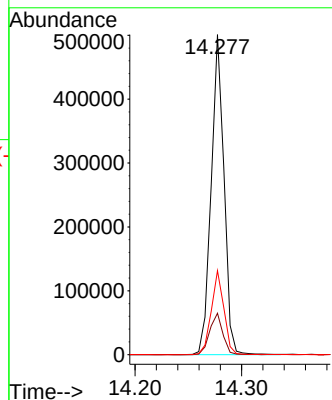
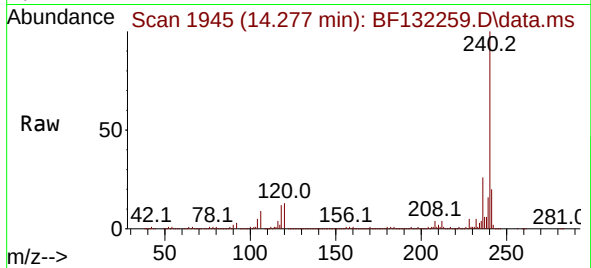




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

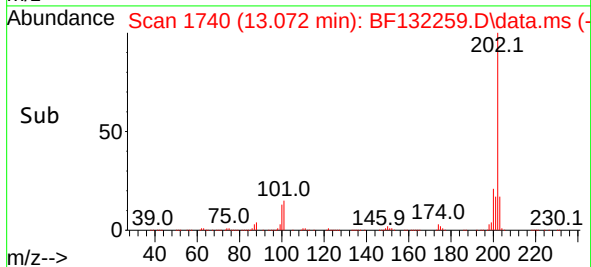
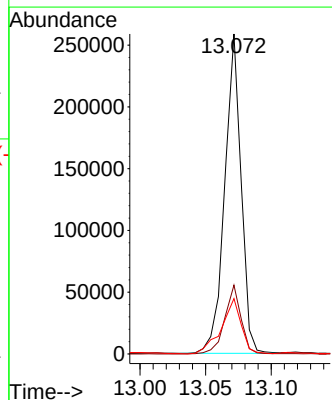
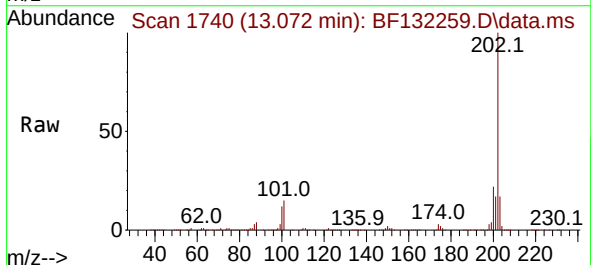
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

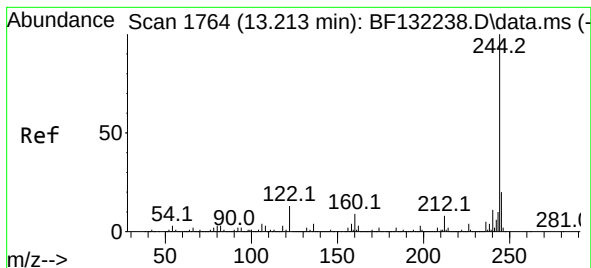
Tgt Ion:240 Resp: 418655
Ion Ratio Lower Upper
240 100
120 13.0 8.8 13.2
236 26.2 21.0 31.6



#78
Pyrene
Concen: 6.675 ng
RT: 13.072 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion:202 Resp: 224750
Ion Ratio Lower Upper
202 100
200 21.5 17.3 25.9
203 17.3 14.4 21.6





#79

Terphenyl-d14

Concen: 61.878 ng

RT: 13.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

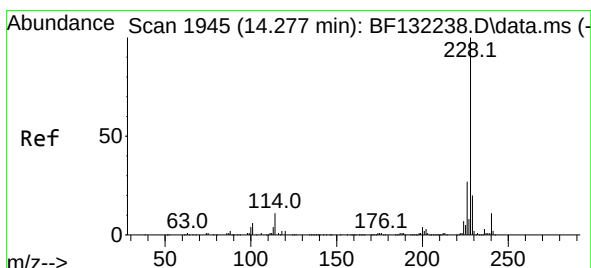
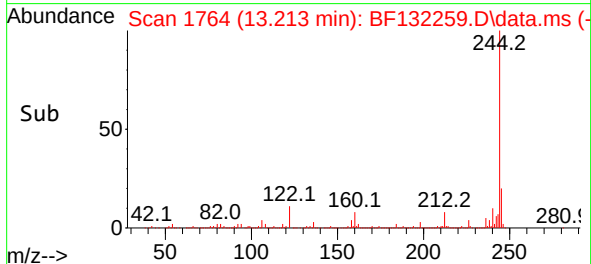
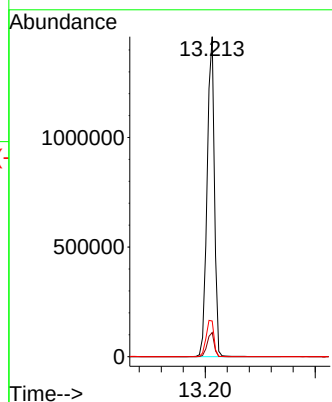
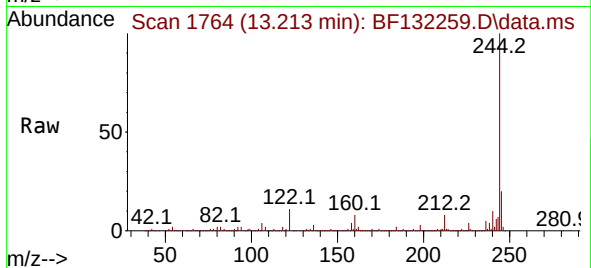
Tgt Ion:244 Resp: 1339204

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

122 11.2 10.5 15.7



#81

Benzo(a)anthracene

Concen: 3.637 ng

RT: 14.266 min Scan# 1943

Delta R.T. -0.012 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

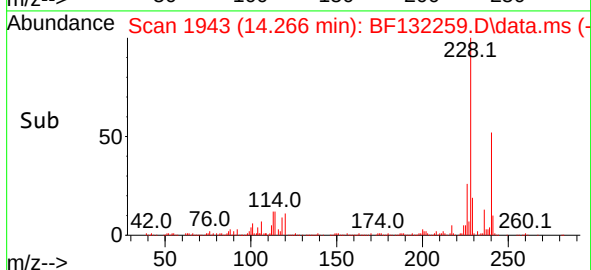
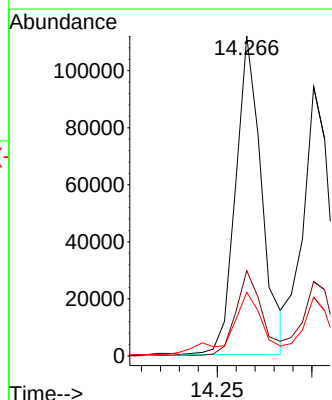
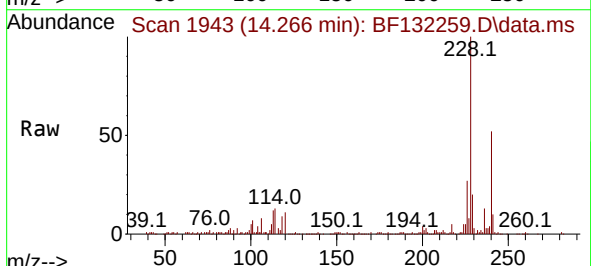
Tgt Ion:228 Resp: 106504

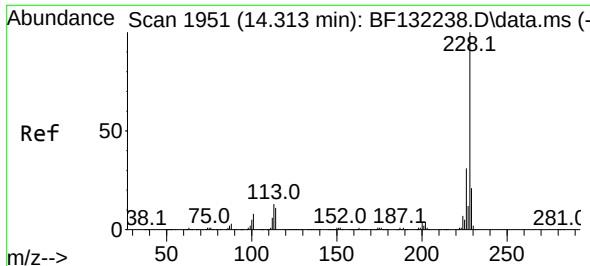
Ion Ratio Lower Upper

228 100

226 26.6 22.0 33.0

229 19.9 15.8 23.6

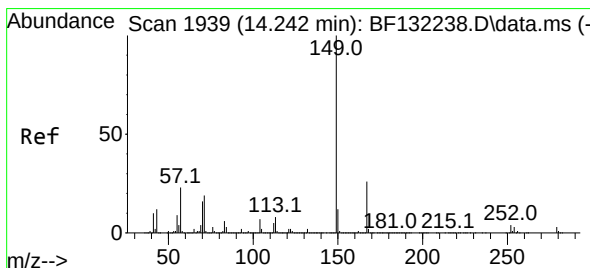
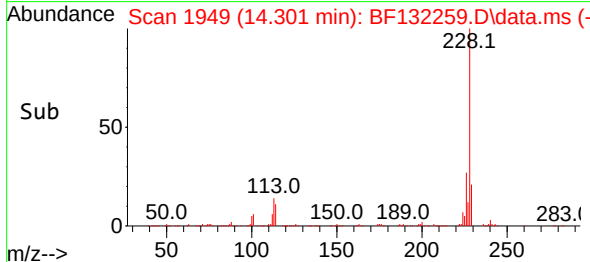
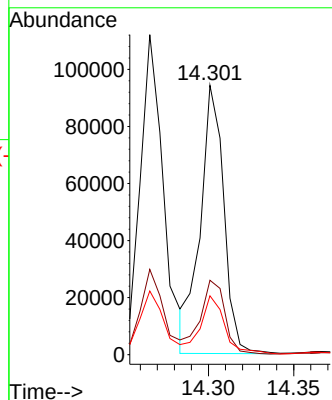
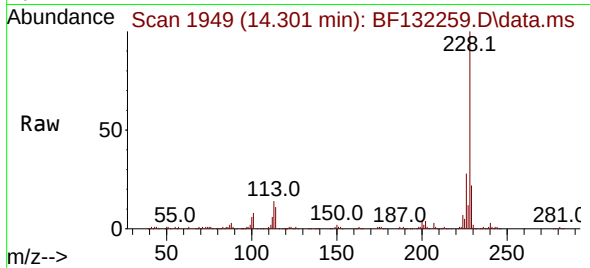




#83
Chrysene
Concen: 3.296 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

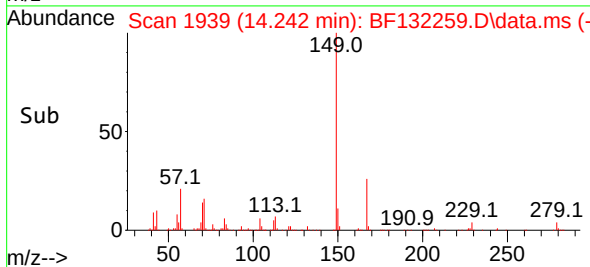
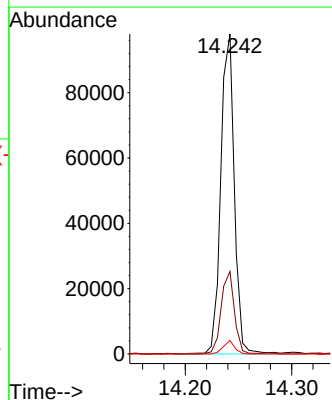
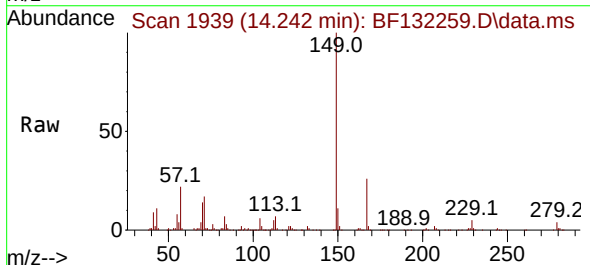
Instrument :
BNA_F
ClientSampleId :
TP-2-WC

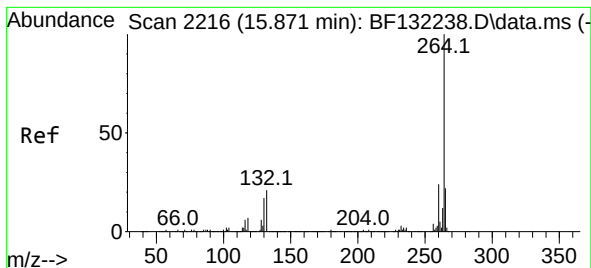
Tgt Ion:228 Resp: 90363
Ion Ratio Lower Upper
228 100
226 27.6 24.9 37.3
229 21.8 16.4 24.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.293 ng
RT: 14.242 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion:149 Resp: 86330
Ion Ratio Lower Upper
149 100
167 25.8 20.7 31.1
279 4.2 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.865 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

Instrument :

BNA_F

ClientSampleId :

TP-2-WC

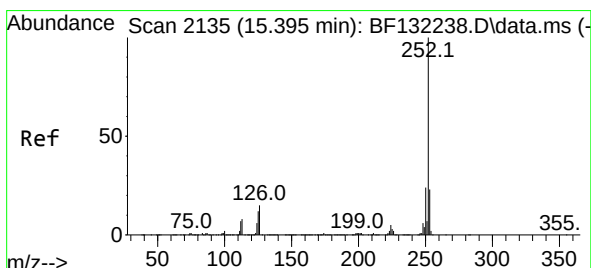
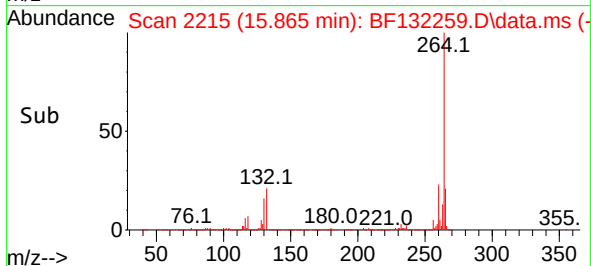
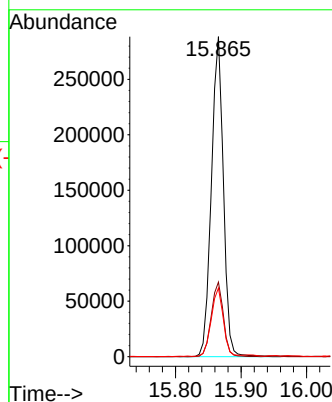
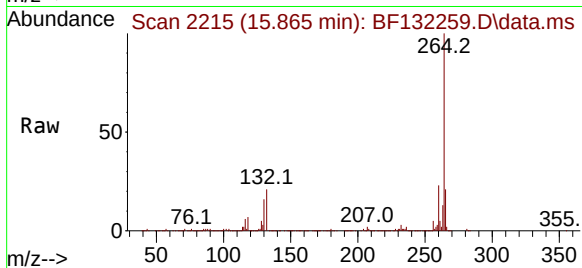
Tgt Ion:264 Resp: 368492

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.823 ng

RT: 15.383 min Scan# 2133

Delta R.T. -0.012 min

Lab File: BF132259.D

Acq: 01 Feb 2023 14:31

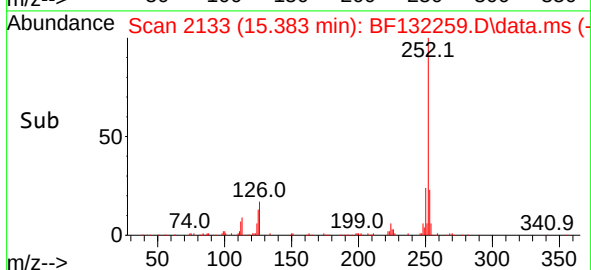
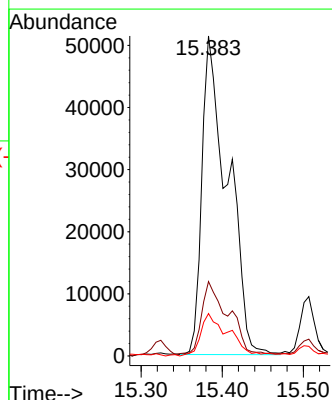
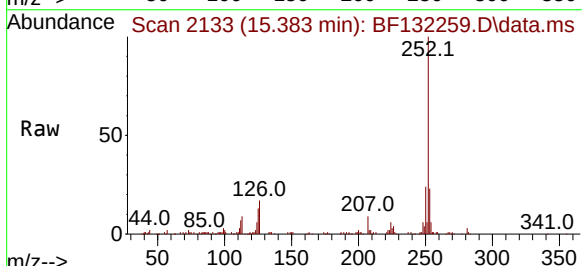
Tgt Ion:252 Resp: 112969

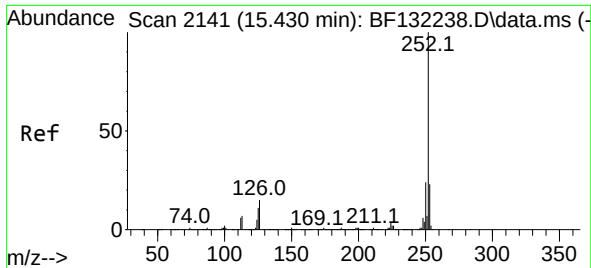
Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 13.3 9.6 14.4

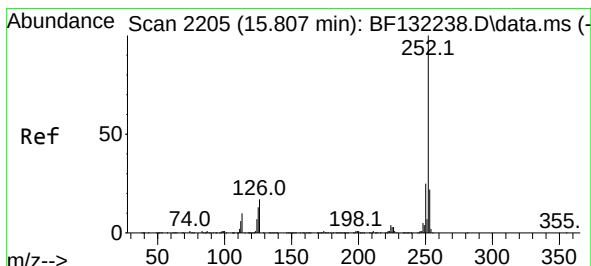
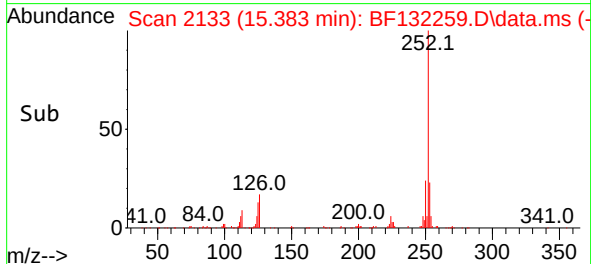
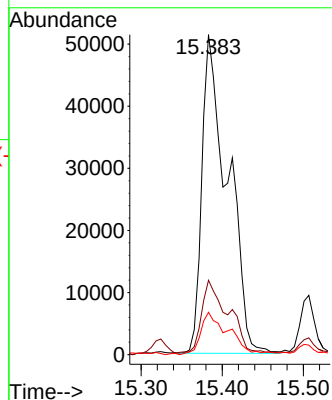
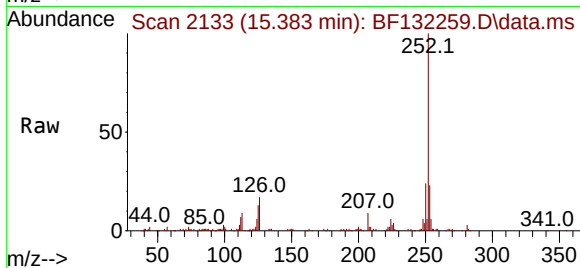




#89
Benzo(k)fluoranthene
Concen: 5.053 ng
RT: 15.383 min Scan# 2141
Delta R.T. -0.047 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Instrument :
BNA_F
ClientSampleId :
TP-2-WC

Tgt Ion:252 Resp: 112969
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 13.3 9.0 13.6



#90
Benzo(a)pyrene
Concen: 2.640 ng
RT: 15.789 min Scan# 2202
Delta R.T. -0.018 min
Lab File: BF132259.D
Acq: 01 Feb 2023 14:31

Tgt Ion:252 Resp: 57586
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 14.4 10.2 15.4

