

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
 Data File : BF122038.D
 Acq On : 20 Oct 2020 19:40
 Operator : JU/CG
 Sample : L4461-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-OH-B2-0.2-4.5

Quant Time: Oct 21 00:37:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

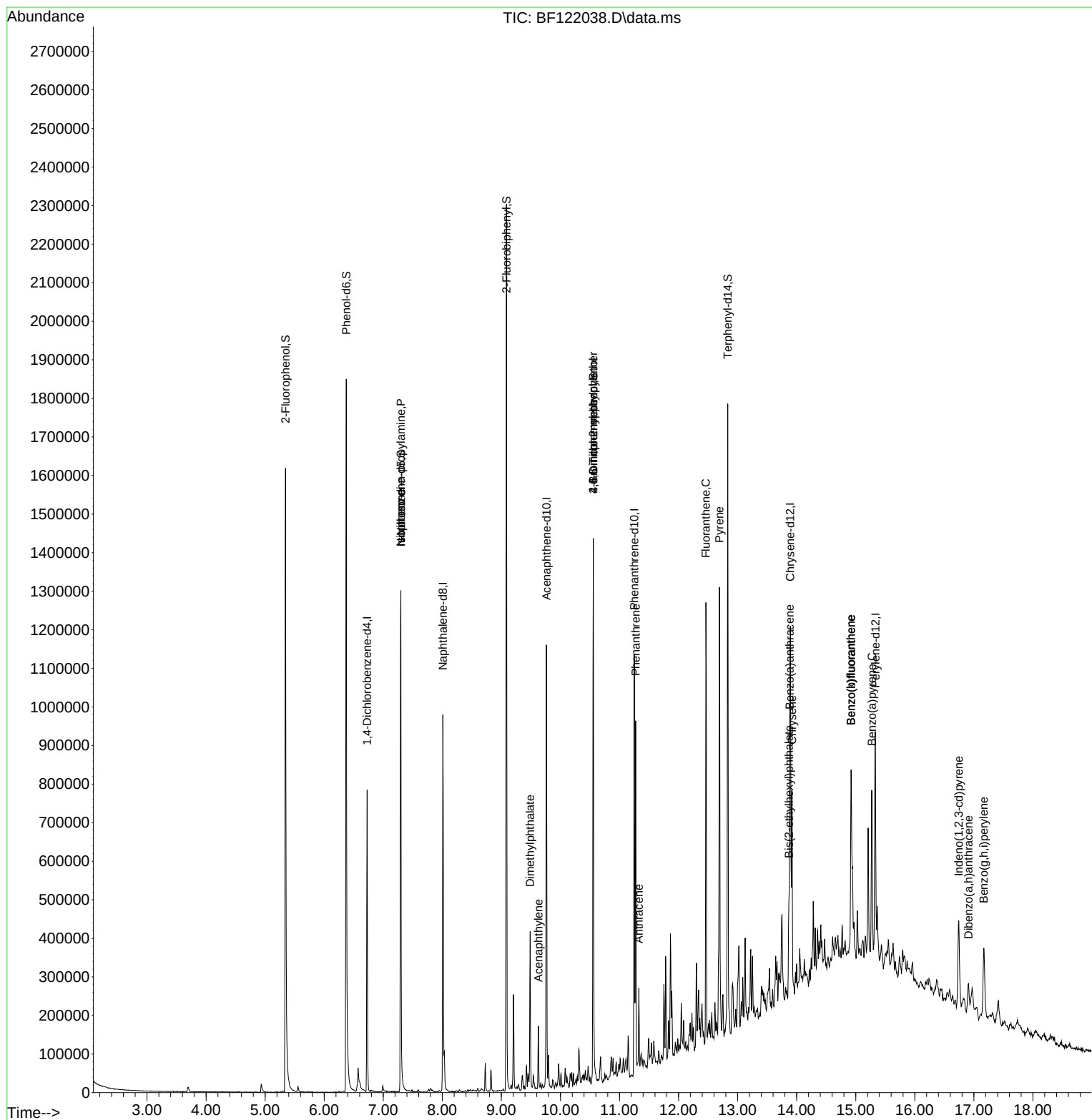
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	107830	20.00	ng	-0.02
21) Naphthalene-d8	8.010	136	427429	20.00	ng	-0.02
39) Acenaphthene-d10	9.763	164	216798	20.00	ng	-0.02
64) Phenanthrene-d10	11.251	188	374648	20.00	ng	-0.01
76) Chrysene-d12	13.892	240	246749	20.00	ng	-0.02
86) Perylene-d12	15.333	264	264076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	511081	69.95	ng	-0.02
7) Phenol-d6	6.375	99	645133	68.60	ng	-0.02
23) Nitrobenzene-d5	7.298	82	430961	51.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.557	330	168716	62.91	ng	-0.02
45) 2-Fluorobiphenyl	9.086	172	651251	44.20	ng	-0.02
79) Terphenyl-d14	12.833	244	464471	35.87	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.334	77	777	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.298	70	58292	10.89	ng	# 79
25) Isophorone	7.298	82	430957	27.35	ng	# 67
49) Acenaphthylene	9.628	152	54457	2.59	ng	98
50) Dimethylphthalate	9.486	163	146162	9.22	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	187	4.50	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	9791	2.26	ng	# 1
71) Phenanthrene	11.275	178	316039	15.38	ng	98
72) Anthracene	11.327	178	78733	3.70	ng	97
75) Fluoranthene	12.463	202	420894	19.11	ng	100
78) Pyrene	12.692	202	462892	24.62	ng	99
81) Benzo(a)anthracene	13.880	228	226112	13.98	ng	98
83) Chrysene	13.921	228	219985	13.86	ng	98
84) Bis(2-ethylhexyl)phtha...	13.868	149	51328	5.07	ng	99
87) Indeno(1,2,3-cd)pyrene	16.745	276	135491	7.90	ng	95
88) Benzo(b)fluoranthene	14.921	252	345626	19.36	ng	97
89) Benzo(k)fluoranthene	14.921	252	345626	20.38	ng	# 96
90) Benzo(a)pyrene	15.274	252	217387	14.10	ng	98
91) Dibenzo(a,h)anthracene	16.909	278	33455	2.37	ng	93
92) Benzo(g,h,i)perylene	17.168	276	140784	9.96	ng	100

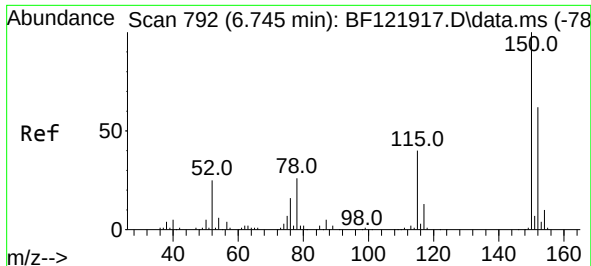
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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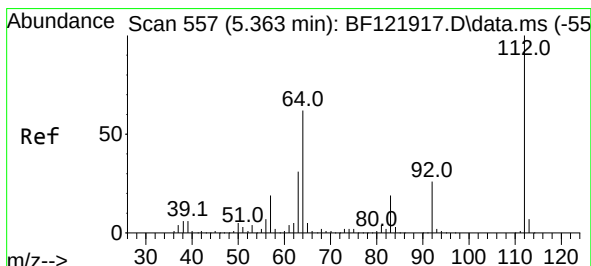
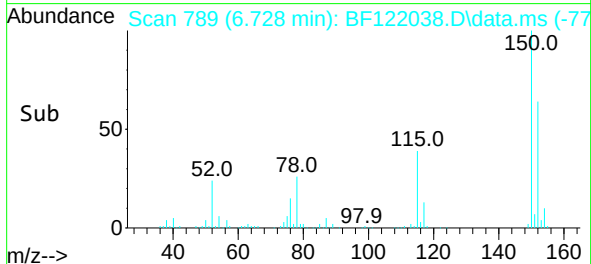
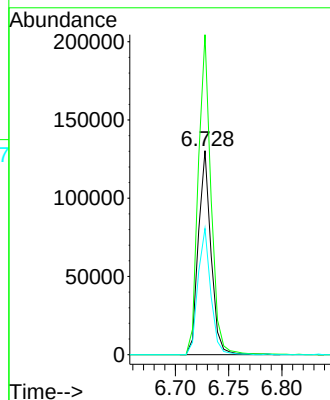
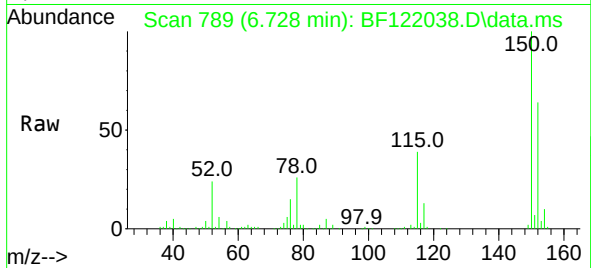




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.728 min Scan# 789
Delta R.T. -0.017 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

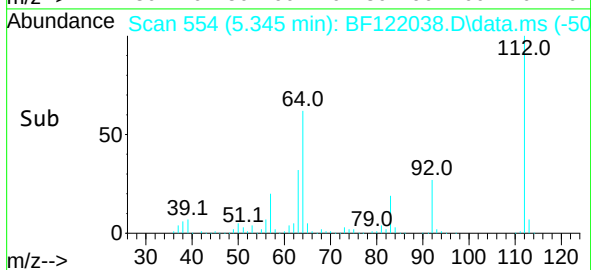
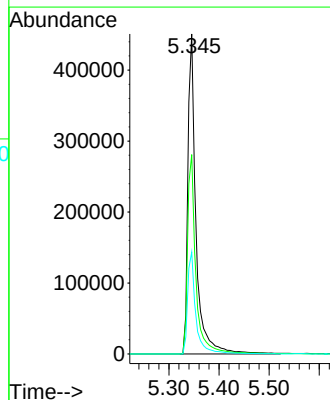
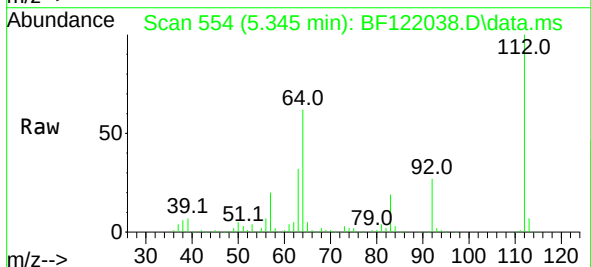
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

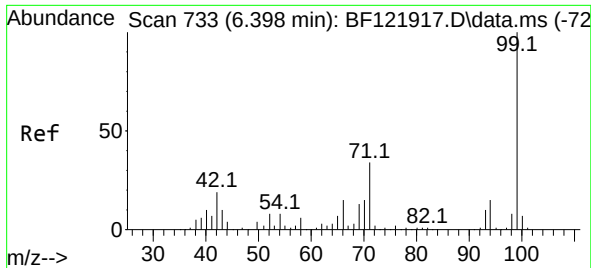
Tgt Ion:152 Resp: 107830
Ion Ratio Lower Upper
152 100
150 156.8 125.3 187.9
115 61.9 51.9 77.9



#5
2-Fluorophenol
Concen: 69.95 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion:112 Resp: 511081
Ion Ratio Lower Upper
112 100
64 62.3 50.4 75.6
63 31.8 25.8 38.6

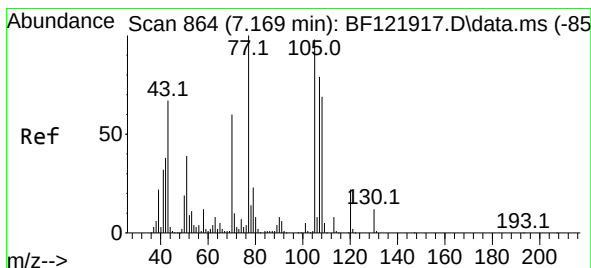
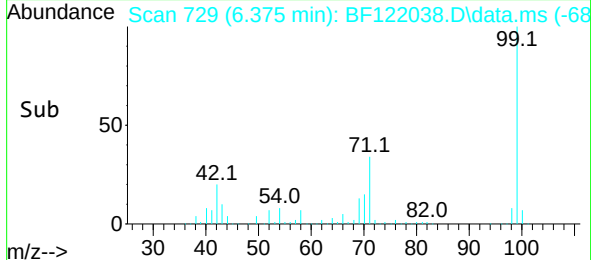
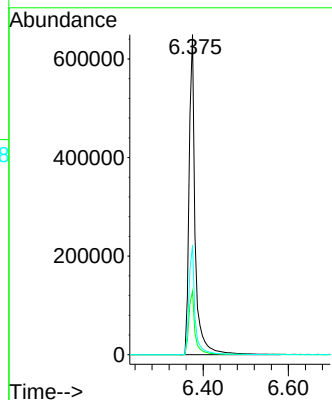
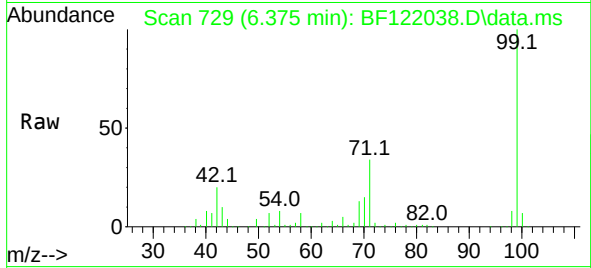




#7
Phenol-d6
Concen: 68.60 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

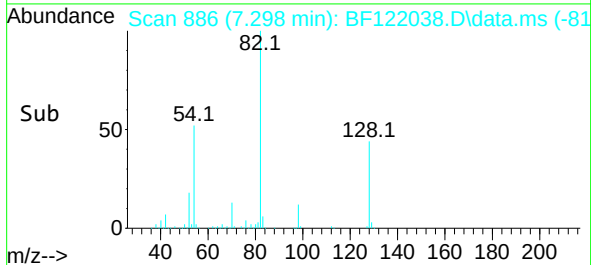
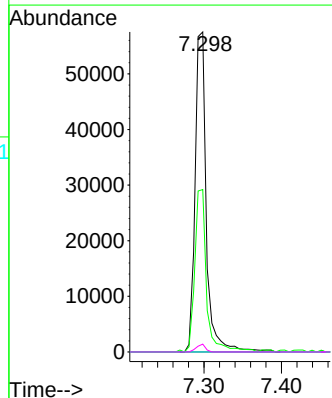
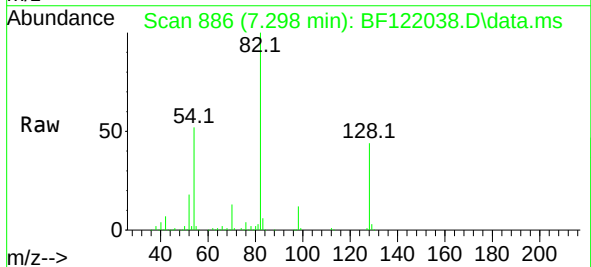
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

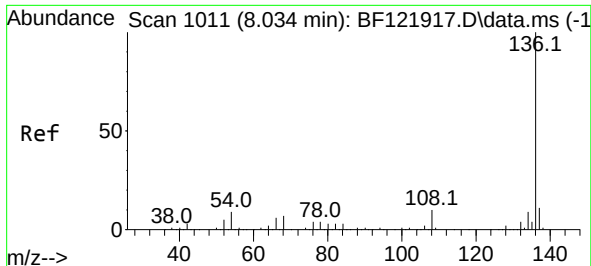
Tgt Ion: 99 Resp: 645133
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 34.3 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.89 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.135 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

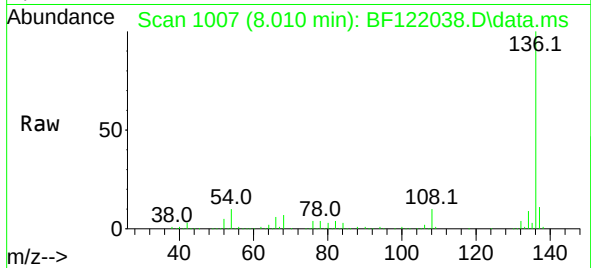
Tgt Ion: 70 Resp: 58292
Ion Ratio Lower Upper
70 100
42 50.8 50.2 75.4
101 0.0 7.5 11.3#
130 2.5 15.5 23.3#



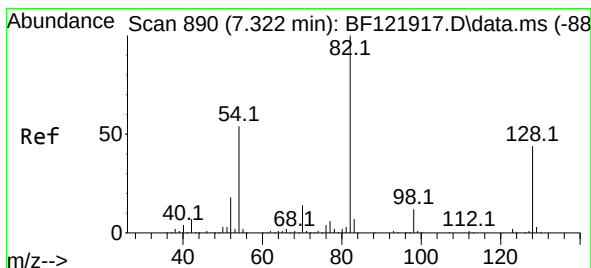
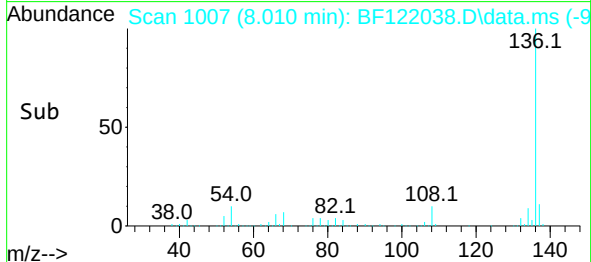
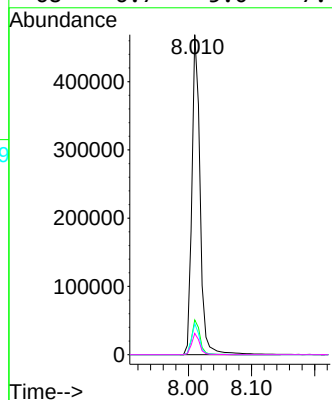


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

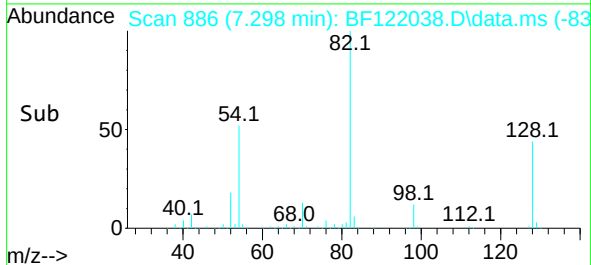
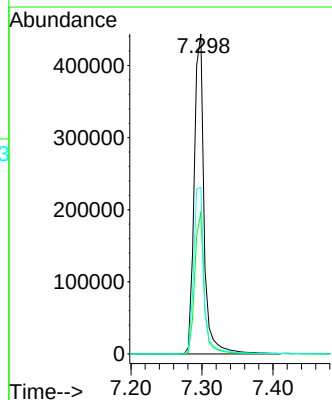
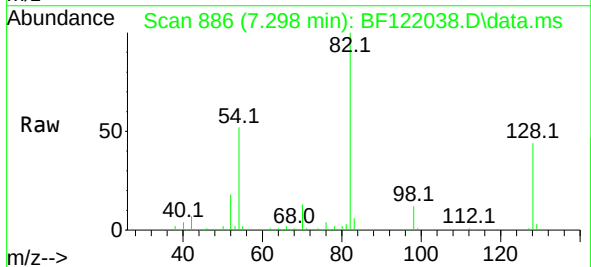


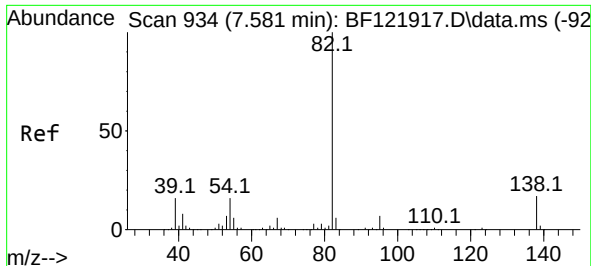
Tgt Ion:136 Resp: 427429
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.7 7.1 10.7
68 6.7 5.0 7.4



#23
Nitrobenzene-d5
Concen: 51.71 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion: 82 Resp: 430961
Ion Ratio Lower Upper
82 100
128 44.2 35.0 52.4
54 52.0 43.9 65.9

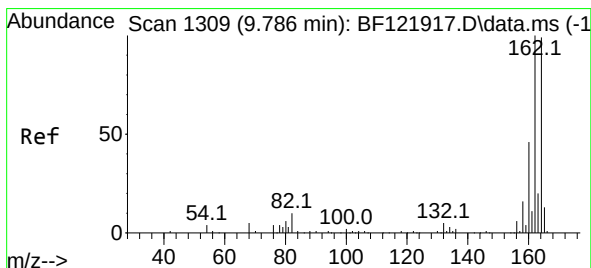
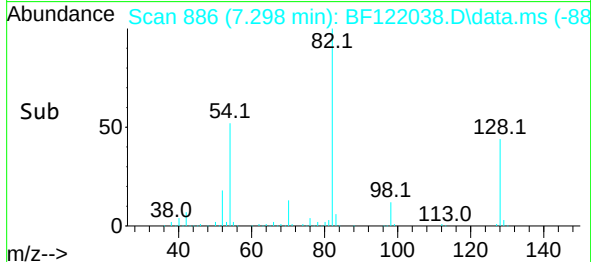
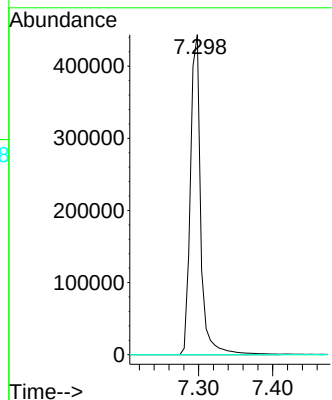
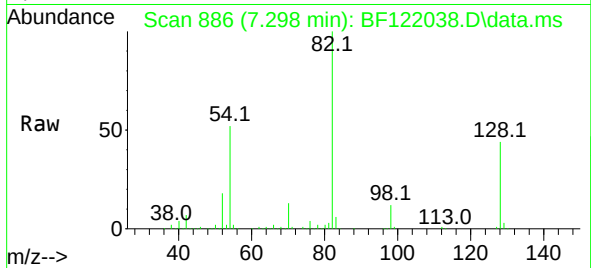




#25
Isophorone
Concen: 27.35 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.276 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

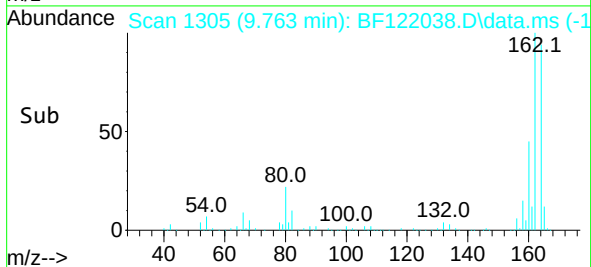
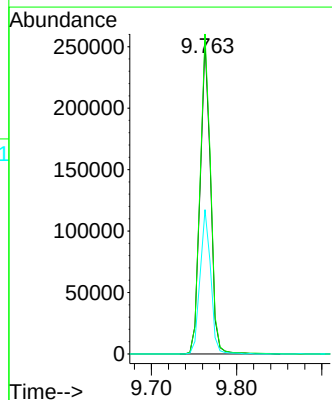
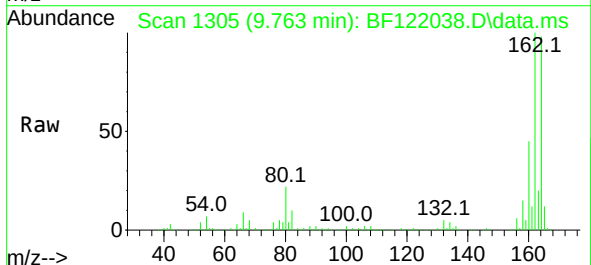
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

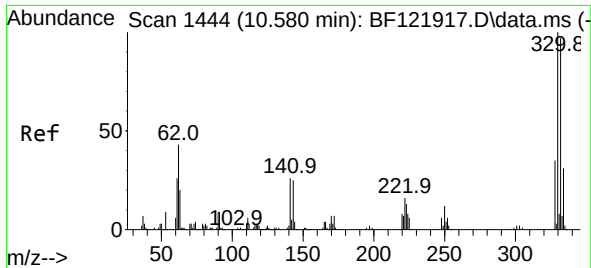
Tgt Ion: 82 Resp: 430957
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion:164 Resp: 216798
Ion Ratio Lower Upper
164 100
162 102.4 83.2 124.8
160 46.2 37.5 56.3

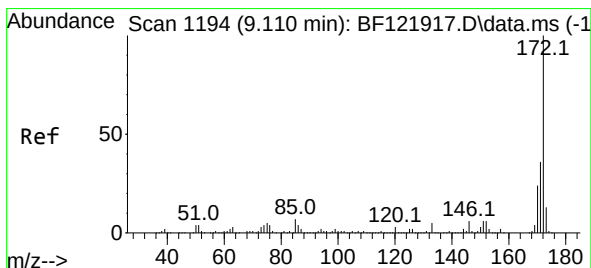
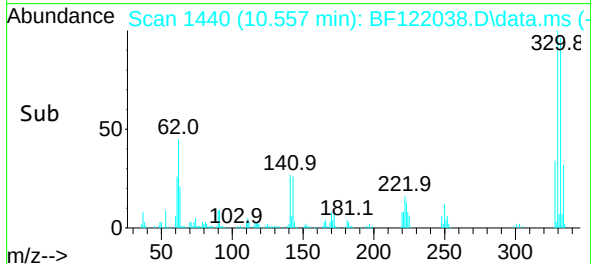
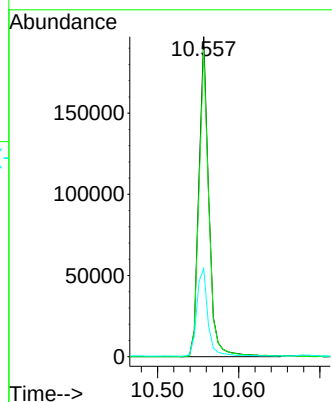
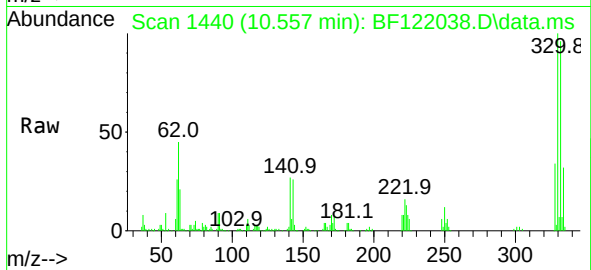




#42
2,4,6-Tribromophenol
Concen: 62.91 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

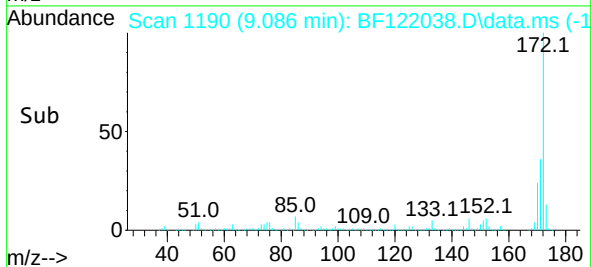
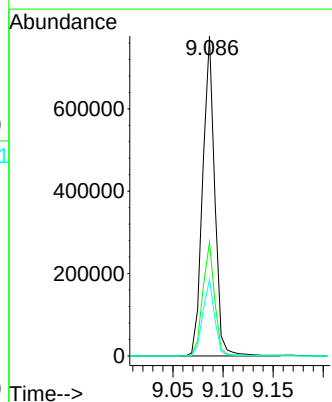
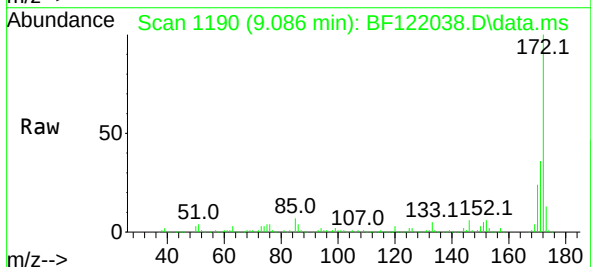
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

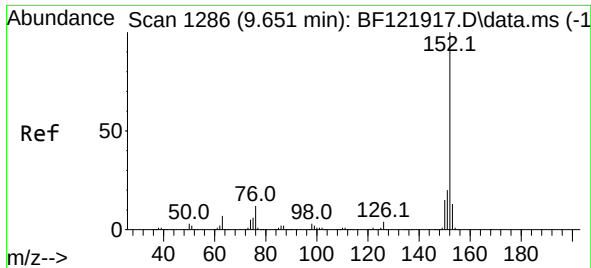
Tgt Ion: 330 Resp: 168716
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 30.4 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 44.20 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion: 172 Resp: 651251
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.8 19.8 29.6





#49

Acenaphthylene

Concen: 2.59 ng

RT: 9.628 min Scan# 1282

Delta R.T. -0.018 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

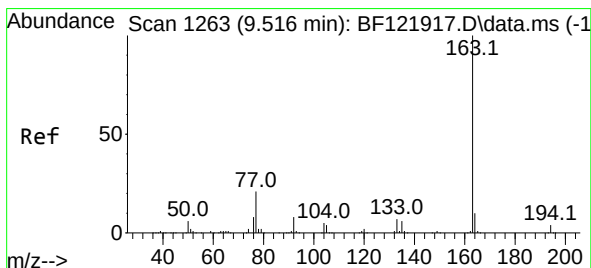
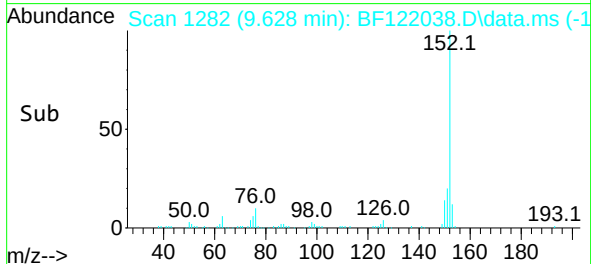
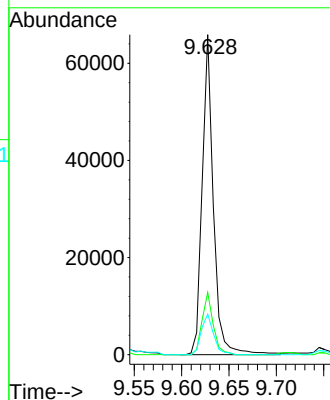
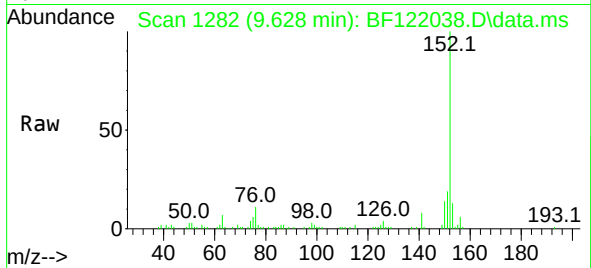
Tgt Ion:	152	Resp:	54457
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.4	24.6
153	12.7	10.6	15.8

Instrument :

BNA_F

ClientSampleId :

WCS-OH-B2-0.2-4.5



#50

Dimethylphthalate

Concen: 9.22 ng

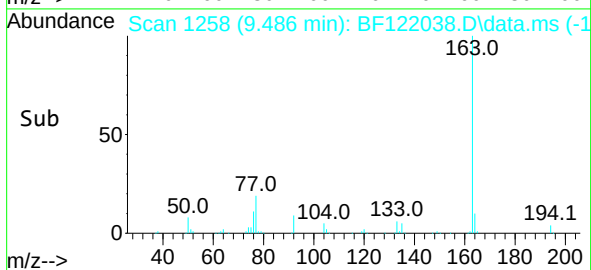
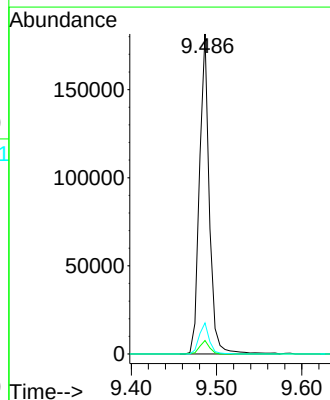
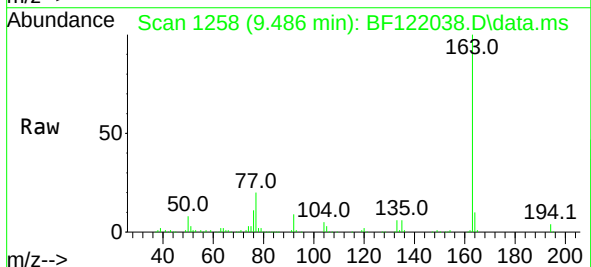
RT: 9.486 min Scan# 1258

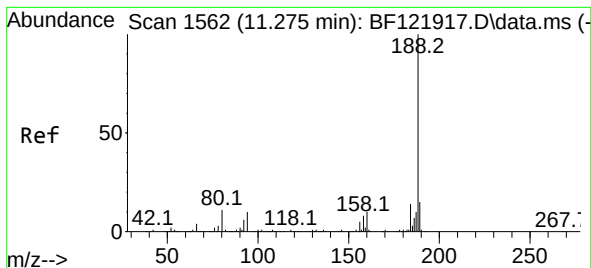
Delta R.T. -0.018 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

Tgt Ion:	163	Resp:	146162
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.3	4.9
164	9.7	8.2	12.4

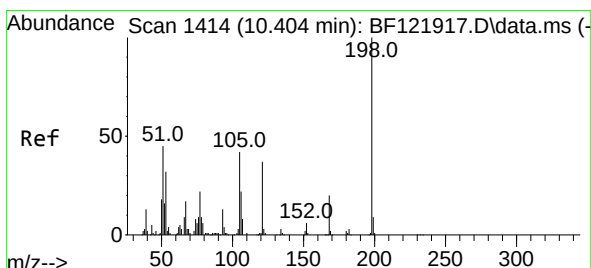
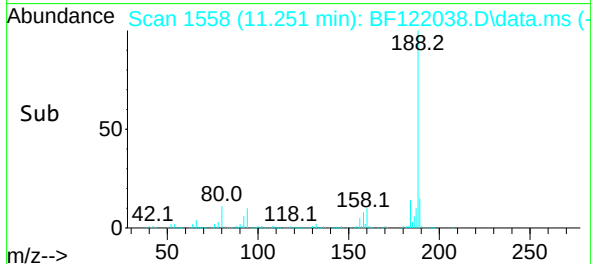
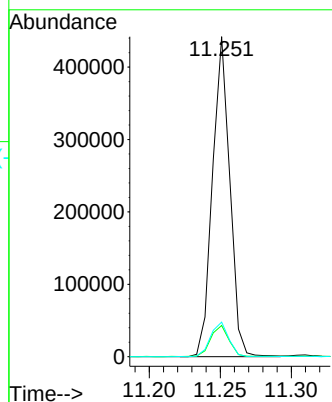
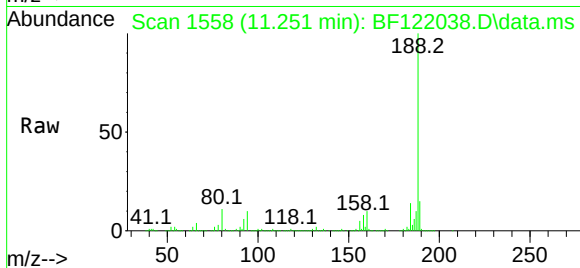




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

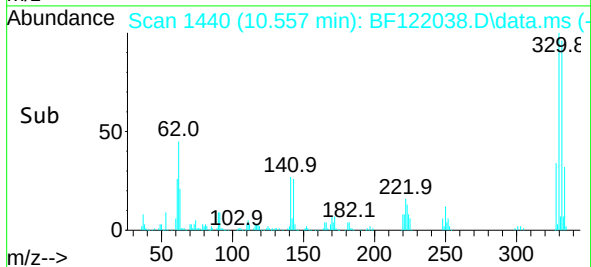
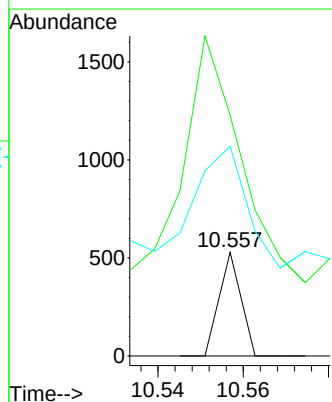
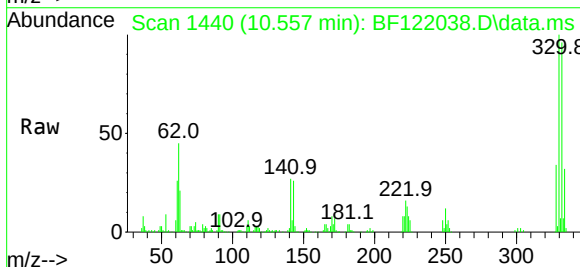
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

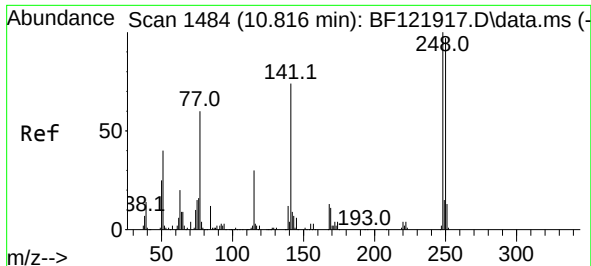
Tgt Ion:188 Resp: 374648
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.8 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.50 ng
RT: 10.557 min Scan# 1440
Delta R.T. 0.159 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion:198 Resp: 187
Ion Ratio Lower Upper
198 100
51 231.9 29.6 69.6#
105 202.1 24.4 64.4#

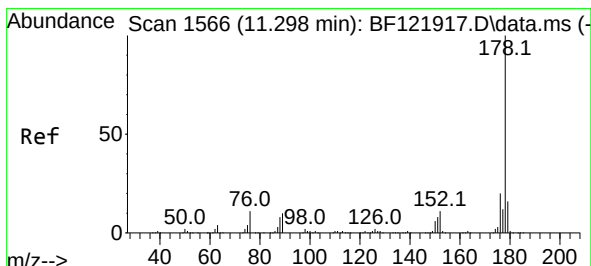
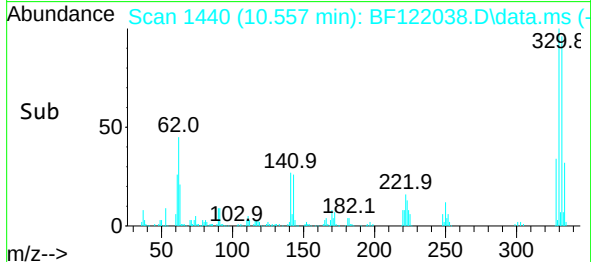
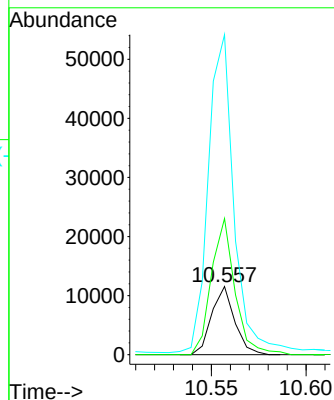
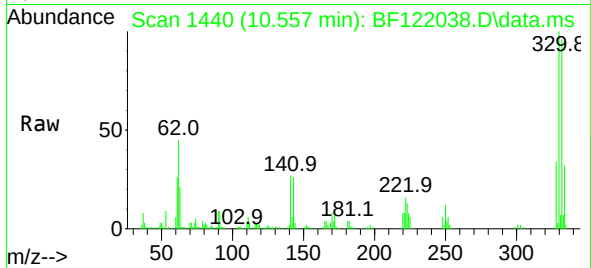




#67
4-Bromophenyl-phenylether
Concen: 2.26 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.253 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

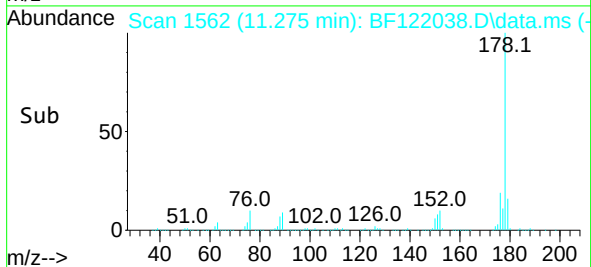
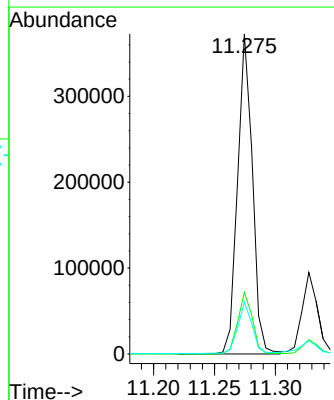
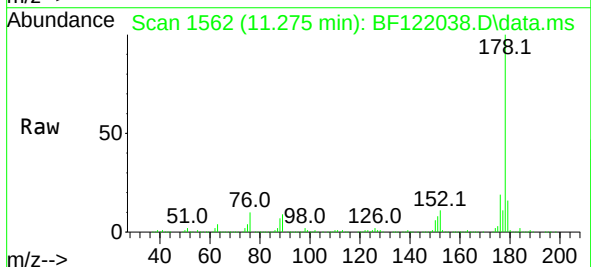
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

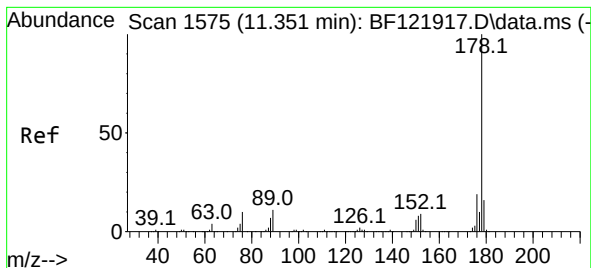
Tgt Ion:248 Resp: 9791
Ion Ratio Lower Upper
248 100
250 199.5 77.0 115.6#
141 469.1 53.7 80.5#



#71
Phenanthrene
Concen: 15.38 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion:178 Resp: 316039
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 16.1 12.2 18.4





#72

Anthracene

Concen: 3.70 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.018 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

Tgt Ion:178 Resp: 78733

Ion Ratio Lower Upper

178 100

176 17.4 15.7 23.5

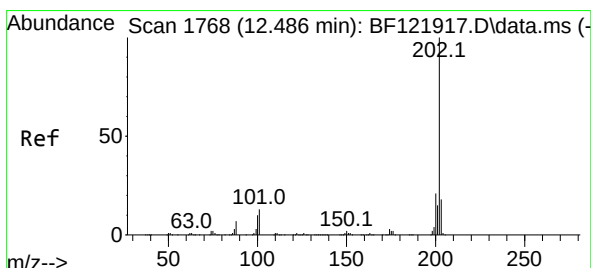
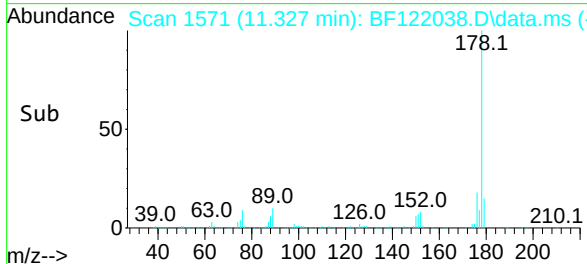
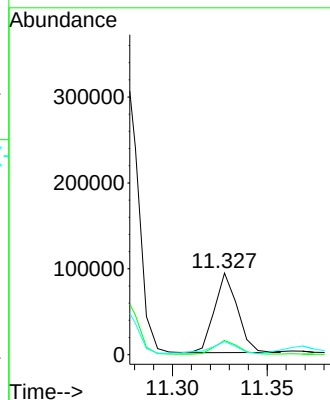
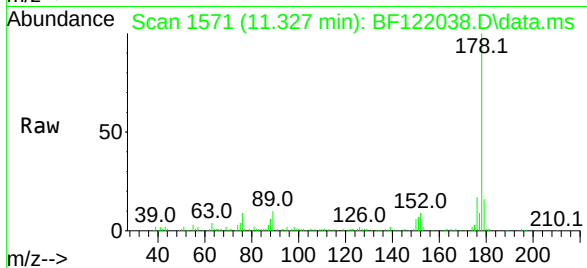
179 16.1 12.7 19.1

Instrument :

BNA_F

ClientSampleId :

WCS-OH-B2-0.2-4.5



#75

Fluoranthene

Concen: 19.11 ng

RT: 12.463 min Scan# 1764

Delta R.T. -0.018 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

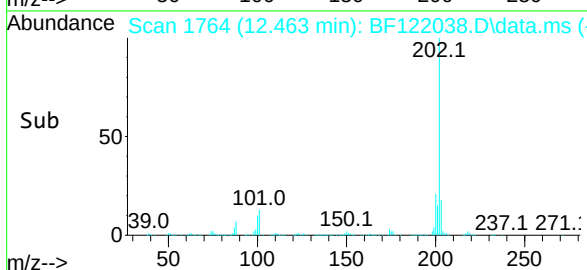
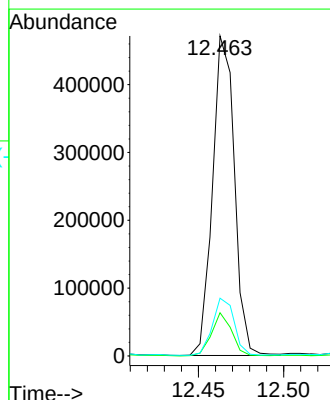
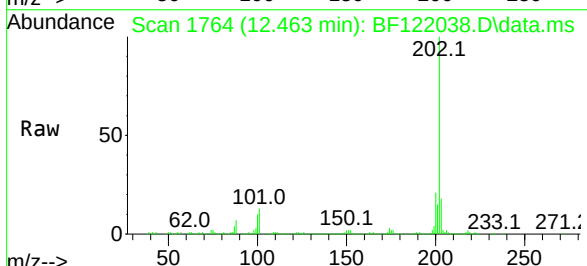
Tgt Ion:202 Resp: 420894

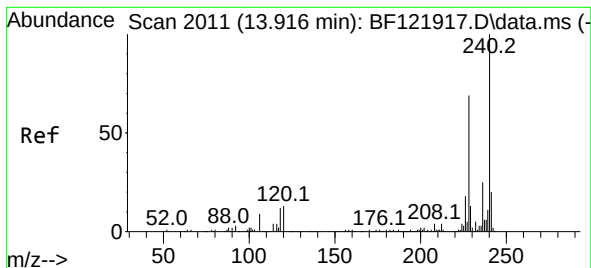
Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.4

203 18.1 0.0 37.9

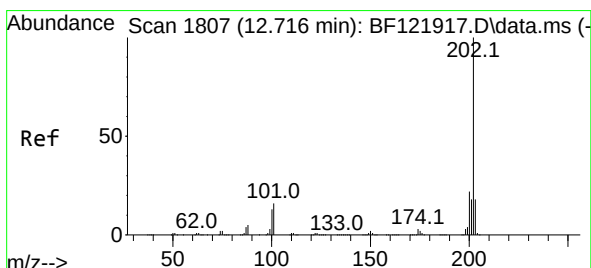
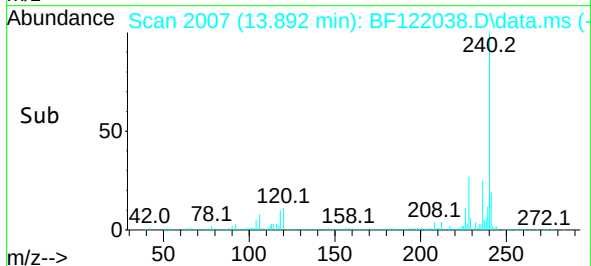
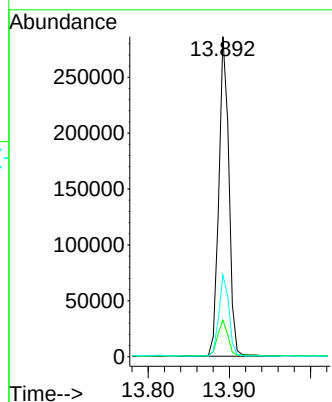
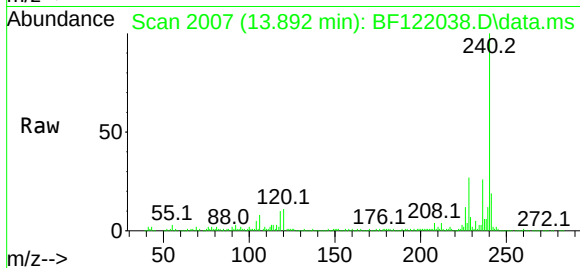




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

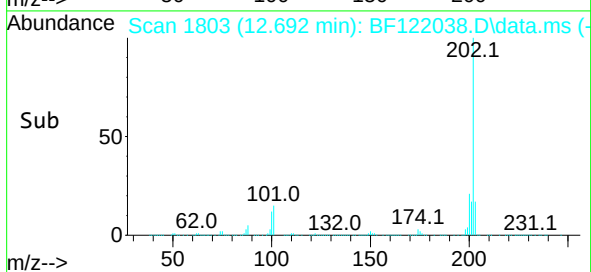
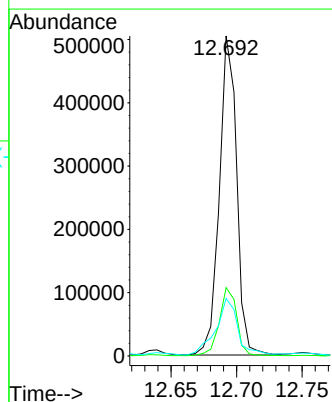
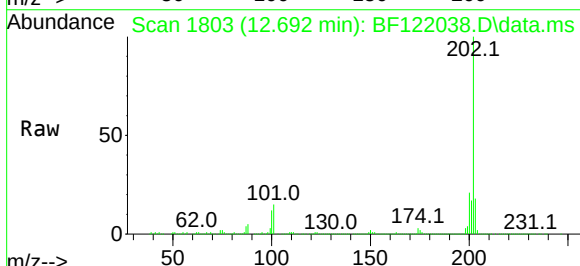
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

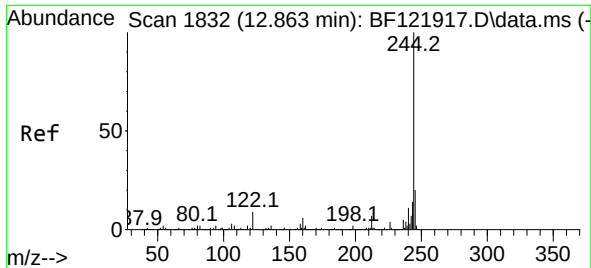
Tgt Ion:240 Resp: 246749
Ion Ratio Lower Upper
240 100
120 11.4 9.2 13.8
236 25.5 20.9 31.3



#78
Pyrene
Concen: 24.62 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion:202 Resp: 462892
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.9 14.6 21.8

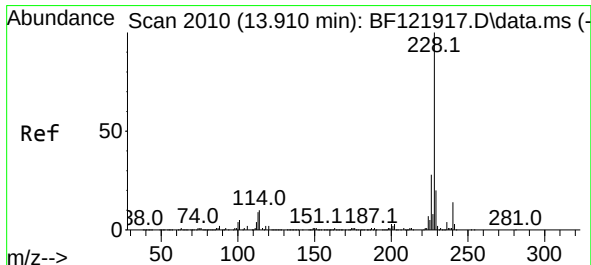
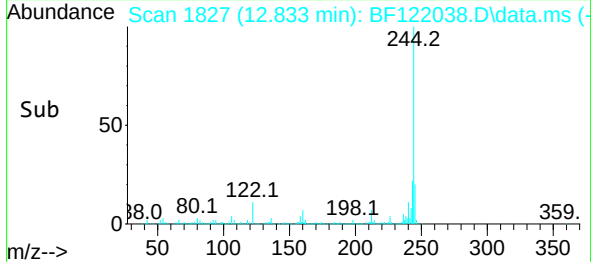
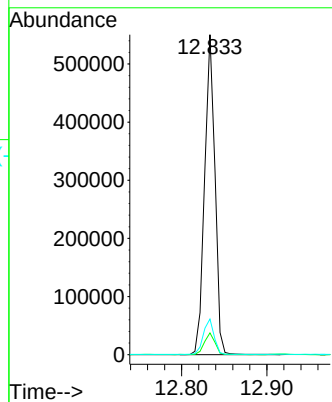
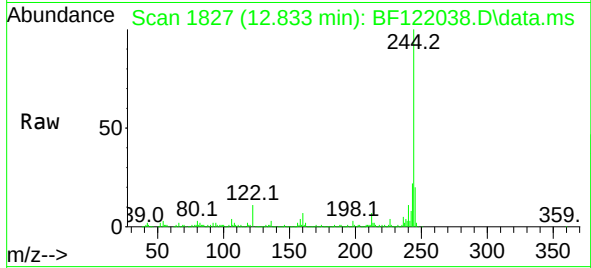




#79
 Terphenyl-d14
 Concen: 35.87 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.018 min
 Lab File: BF122038.D
 Acq: 20 Oct 2020 19:40

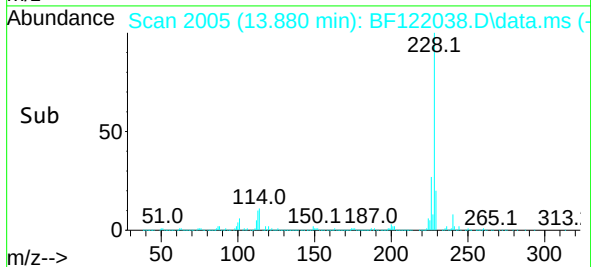
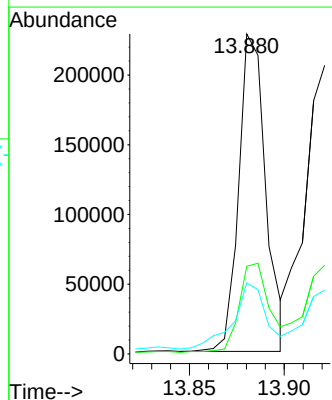
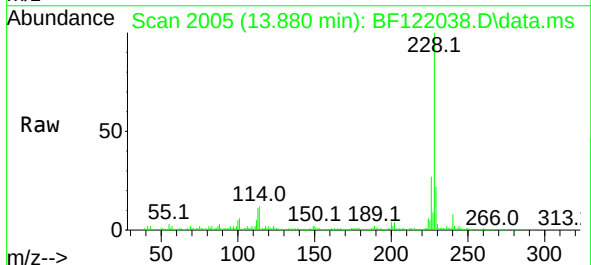
Instrument :
 BNA_F
 ClientSampleId :
 WCS-OH-B2-0.2-4.5

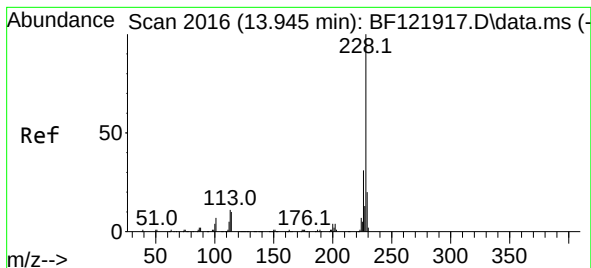
Tgt Ion:244 Resp: 464471
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.2 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 13.98 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. -0.018 min
 Lab File: BF122038.D
 Acq: 20 Oct 2020 19:40

Tgt Ion:228 Resp: 226112
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.3 33.5
 229 22.2 16.2 24.4





#83

Chrysene

Concen: 13.86 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

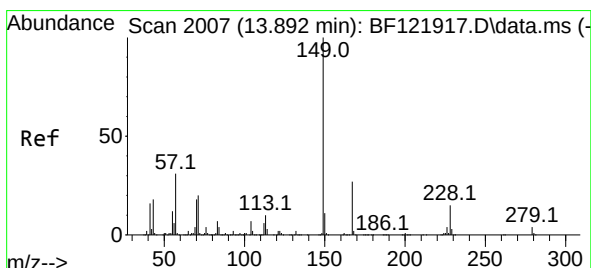
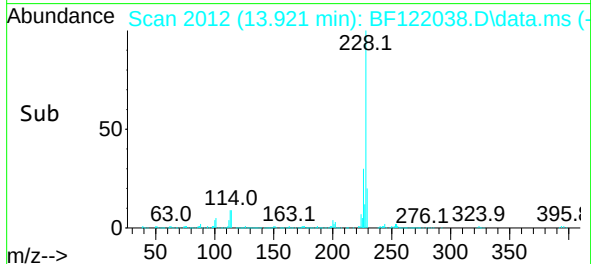
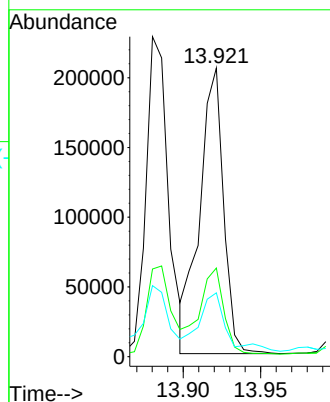
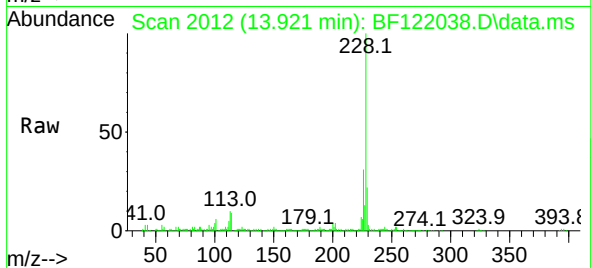
Tgt Ion:228 Resp: 219985

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

229 22.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.07 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

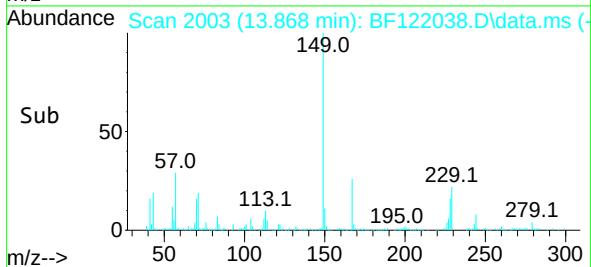
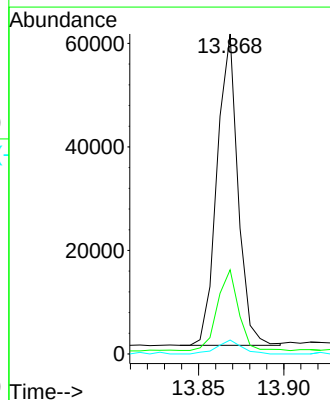
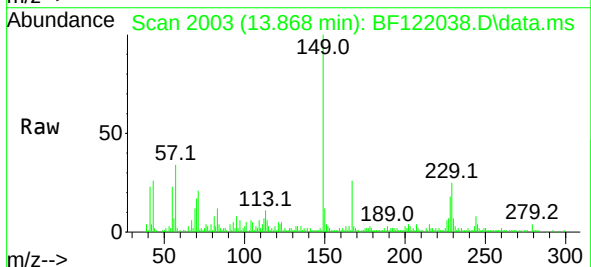
Tgt Ion:149 Resp: 51328

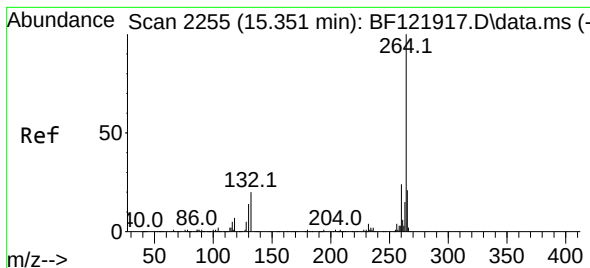
Ion Ratio Lower Upper

149 100

167 26.3 20.9 31.3

279 4.4 3.2 4.8

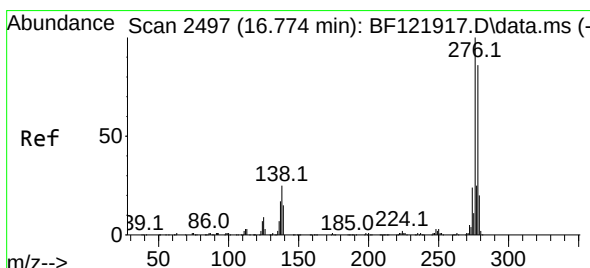
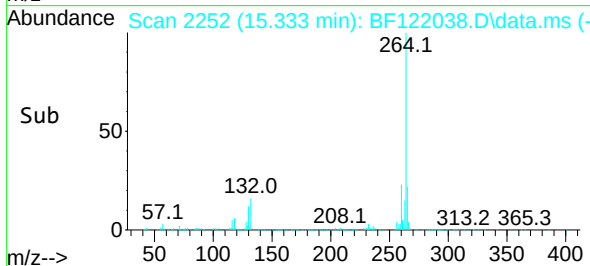
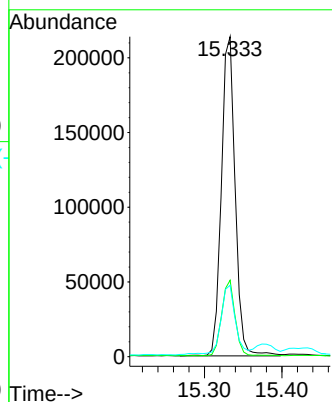
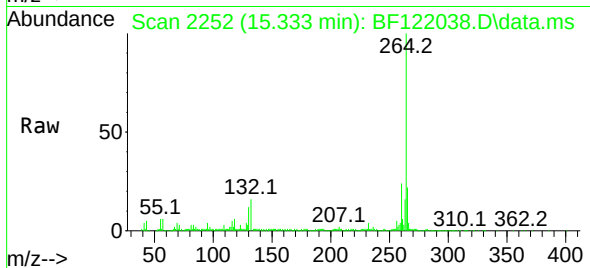




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.333 min Scan# 2252
Delta R.T. -0.006 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

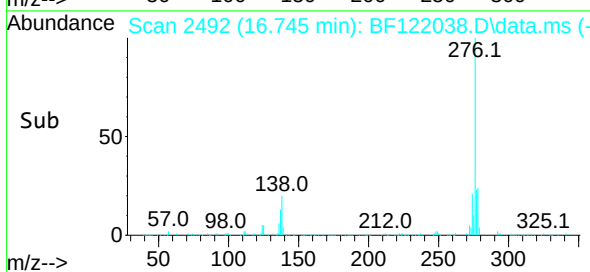
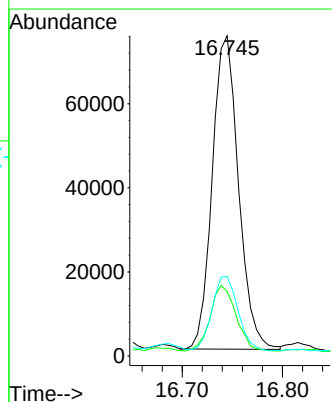
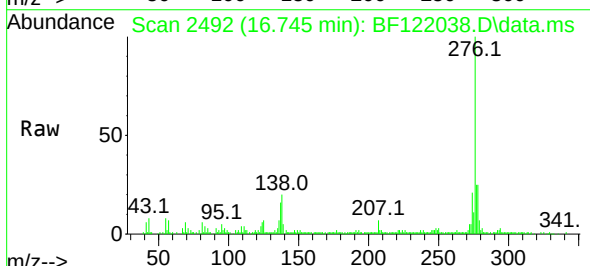
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

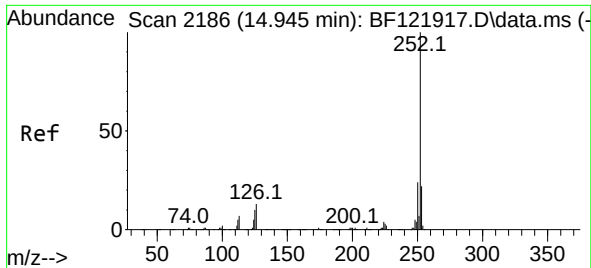
Tgt Ion:264 Resp: 264076
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.3 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.90 ng
RT: 16.745 min Scan# 2492
Delta R.T. -0.018 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion:276 Resp: 135491
Ion Ratio Lower Upper
276 100
138 21.7 19.9 29.9
277 23.5 20.4 30.6

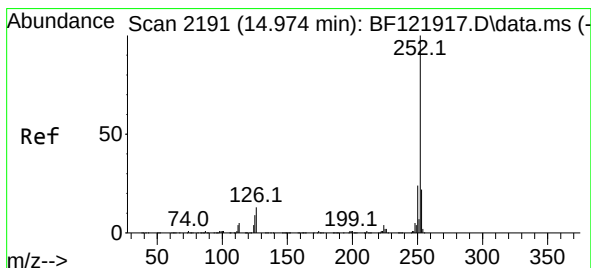
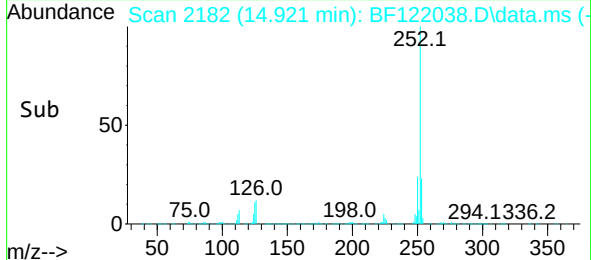
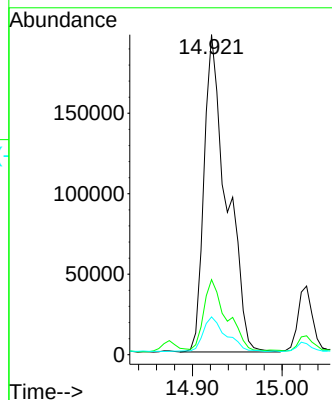
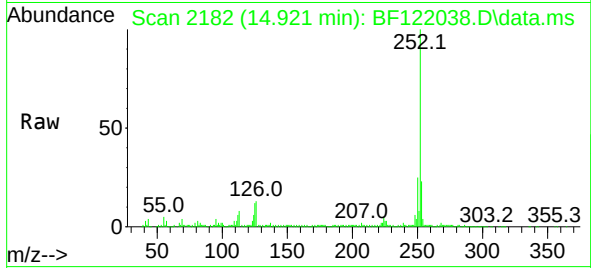




#88
Benzo(b)fluoranthene
Concen: 19.36 ng
RT: 14.921 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

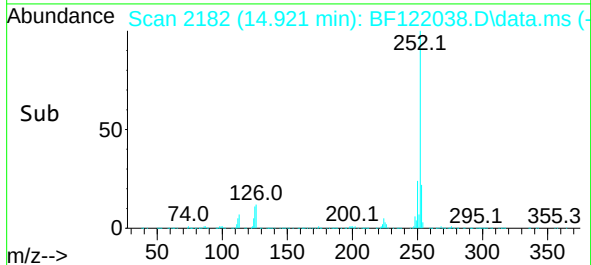
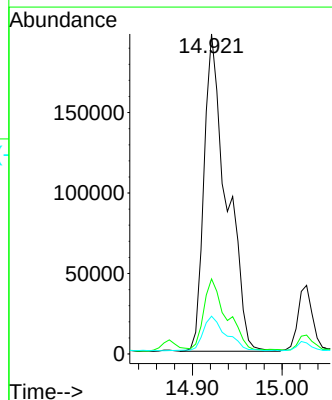
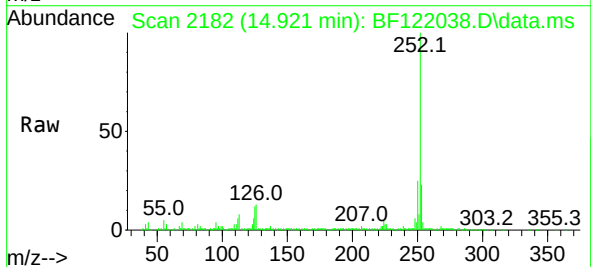
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

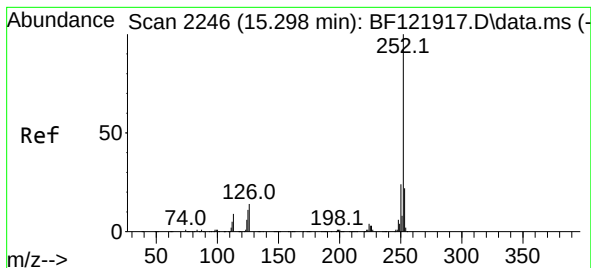
Tgt Ion:252 Resp: 345626
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 11.8 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 20.38 ng
RT: 14.921 min Scan# 2182
Delta R.T. -0.041 min
Lab File: BF122038.D
Acq: 20 Oct 2020 19:40

Tgt Ion:252 Resp: 345626
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.8 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 14.10 ng

RT: 15.274 min Scan# 2242

Delta R.T. -0.012 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

Tgt Ion:252 Resp: 217387

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

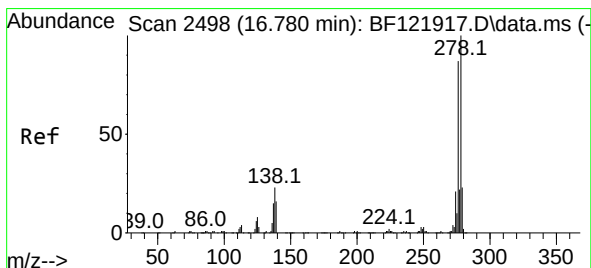
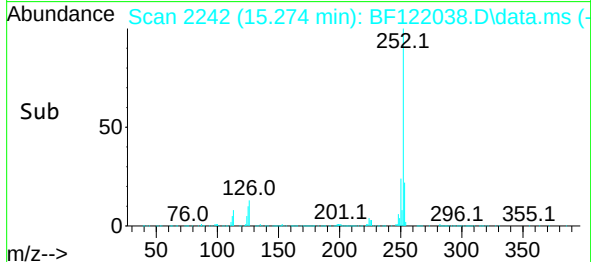
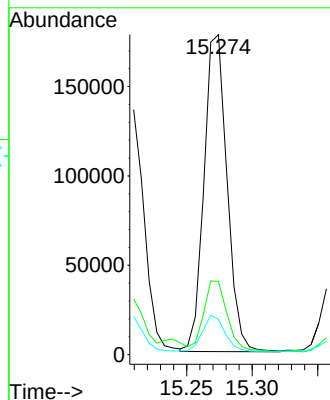
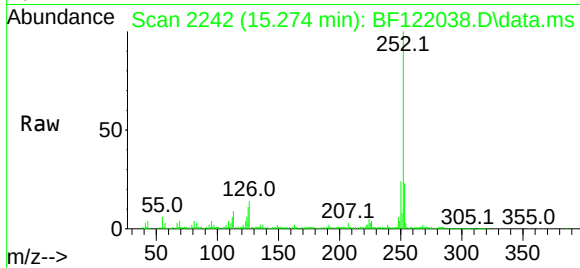
125 11.1 8.6 13.0

Instrument :

BNA_F

ClientSampleId :

WCS-OH-B2-0.2-4.5



#91

Dibenzo(a,h)anthracene

Concen: 2.37 ng

RT: 16.909 min Scan# 2520

Delta R.T. 0.141 min

Lab File: BF122038.D

Acq: 20 Oct 2020 19:40

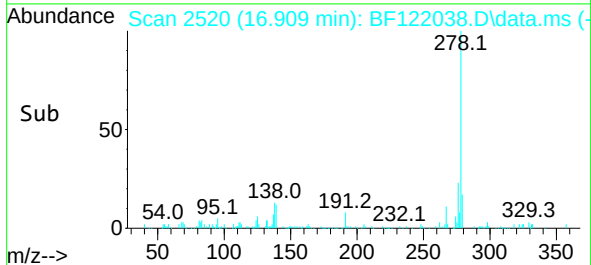
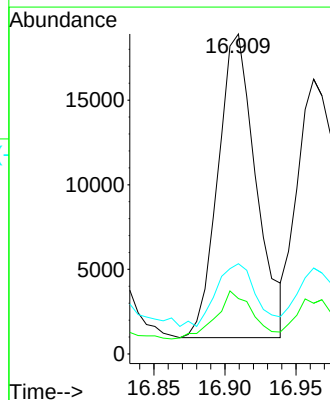
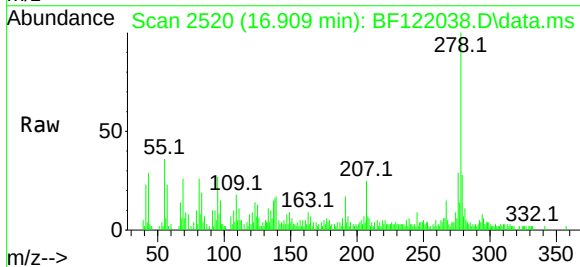
Tgt Ion:278 Resp: 33455

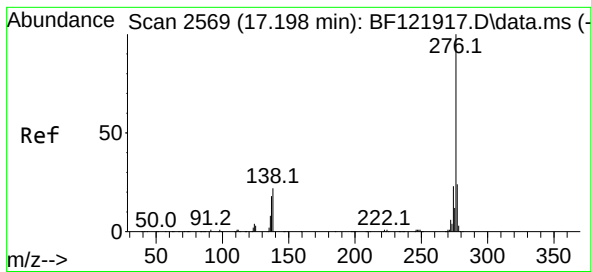
Ion Ratio Lower Upper

278 100

139 17.3 13.0 19.4

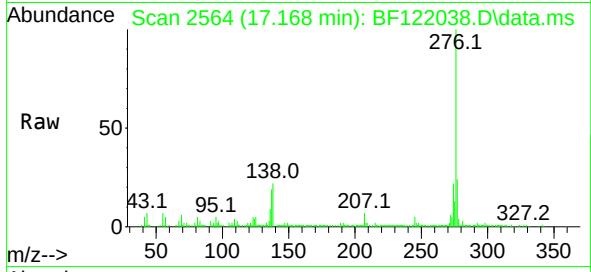
279 28.2 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 9.96 ng
 RT: 17.168 min Scan# 2564
 Delta R.T. -0.018 min
 Lab File: BF122038.D
 Acq: 20 Oct 2020 19:40

Instrument :
 BNA_F
 ClientSampleId :
 WCS-OH-B2-0.2-4.5



Tgt Ion:	276	Resp:	140784
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.4	29.2
138	22.0	17.8	26.6

