

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
 Data File : BF130354.D
 Acq On : 20 Sep 2022 20:35
 Operator : CG\JU
 Sample : N4630-06 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-2

Quant Time: Sep 21 05:19:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

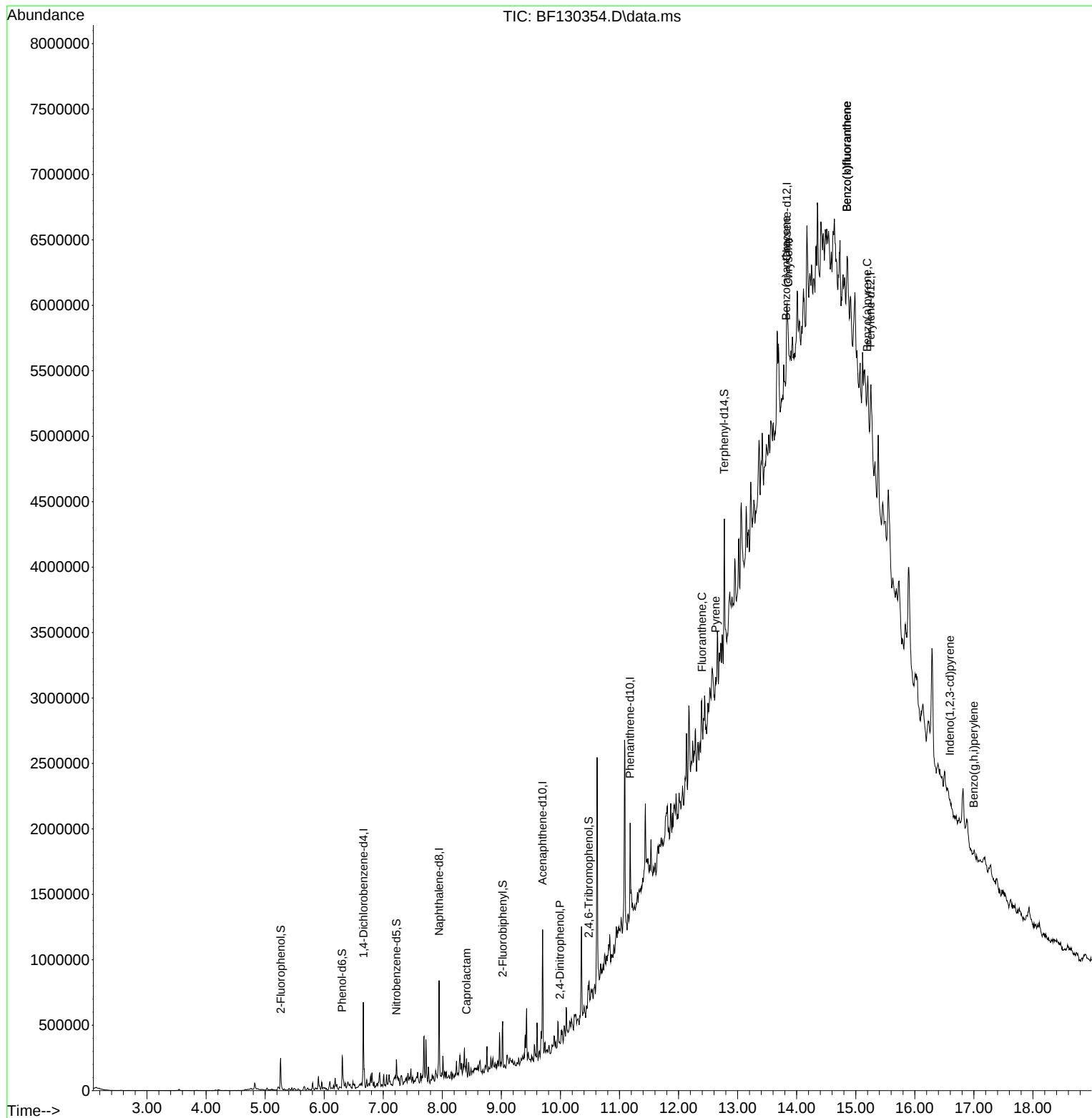
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.663	152	78431	20.000	ng	0.00
21) Naphthalene-d8	7.945	136	265207	20.000	ng	0.00
39) Acenaphthene-d10	9.698	164	135449	20.000	ng	0.00
64) Phenanthrene-d10	11.180	188	237146	20.000	ng	0.00
76) Chrysene-d12	13.833	240	207566	20.000	ng	# 0.03
86) Perylene-d12	15.251	264	166048	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	75506	16.698	ng	0.00
7) Phenol-d6	6.304	99	90283	15.957	ng	0.00
23) Nitrobenzene-d5	7.222	82	52726	10.157	ng	-0.01
42) 2,4,6-Tribromophenol	10.480	330	23151	17.838	ng	0.00
45) 2-Fluorobiphenyl	9.022	172	100369	10.791	ng	0.00
79) Terphenyl-d14	12.774	244	133101	10.622	ng	0.02
Target Compounds						
						Qvalue
35) Caprolactam	8.410	113	2740	2.622	ng	# 1
54) 2,4-Dinitrophenol	9.992	184	732	6.890	ng	82
75) Fluoranthene	12.398	202	34517	2.683	ng	80
78) Pyrene	12.627	202	68276	3.760	ng	# 86
81) Benzo(a)anthracene	13.821	228	47605	3.448	ng	# 60
83) Chrysene	13.857	228	79144	6.036	ng	# 67
87) Indeno(1,2,3-cd)pyrene	16.592	276	29289	2.487	ng	93
88) Benzo(b)fluoranthene	14.851	252	106458	9.823	ng	# 1
89) Benzo(k)fluoranthene	14.851	252	106458	9.986	ng	# 1
90) Benzo(a)pyrene	15.192	252	60439	7.039	ng	# 2
92) Benzo(g,h,i)perylene	16.998	276	40474	4.159	ng	# 65

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

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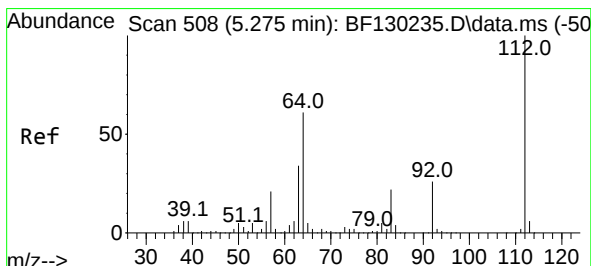
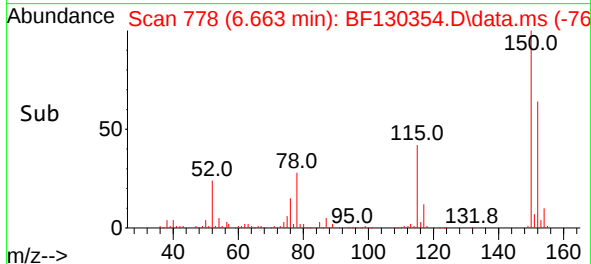
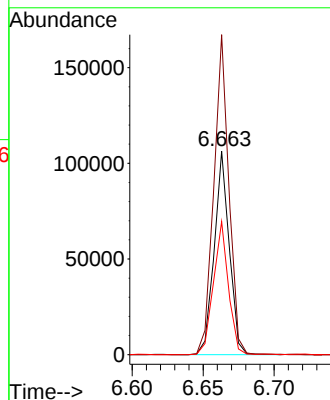
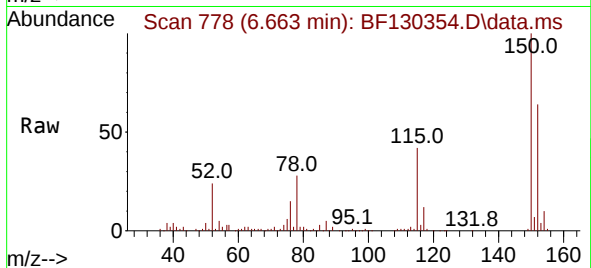




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

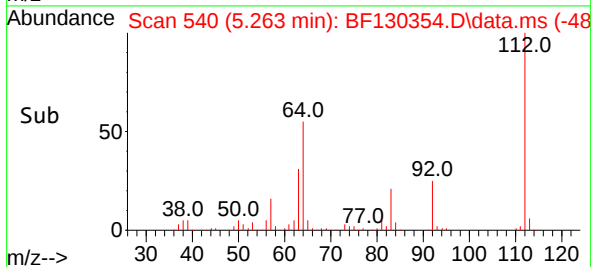
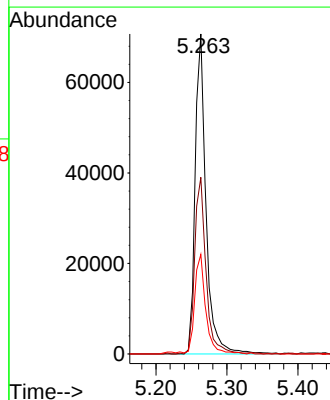
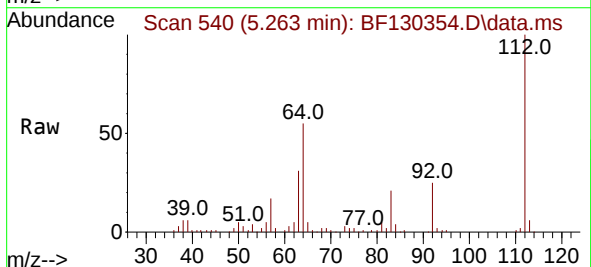
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2

Tgt Ion:152 Resp: 78431
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 65.4 53.8 80.8



#5
2-Fluorophenol
Concen: 16.698 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Tgt Ion:112 Resp: 75506
Ion Ratio Lower Upper
112 100
64 55.2 51.4 77.0
63 31.1 28.8 43.2

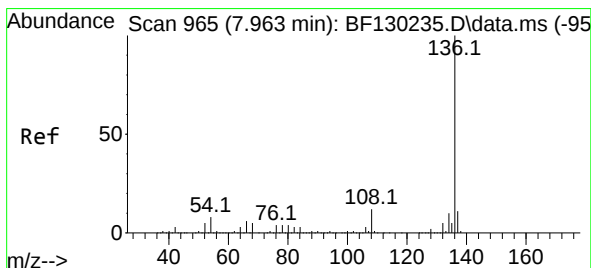
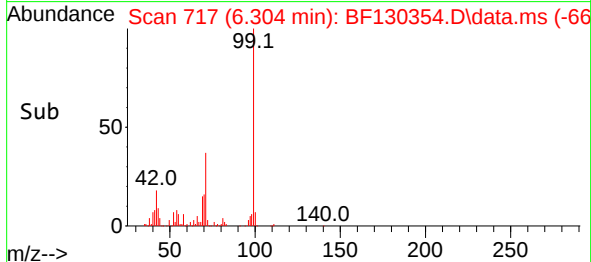
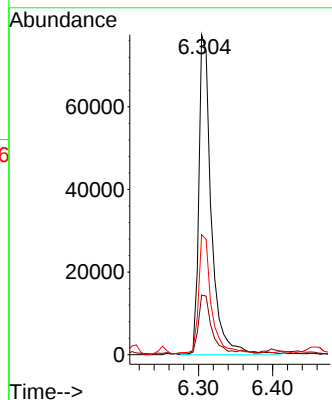
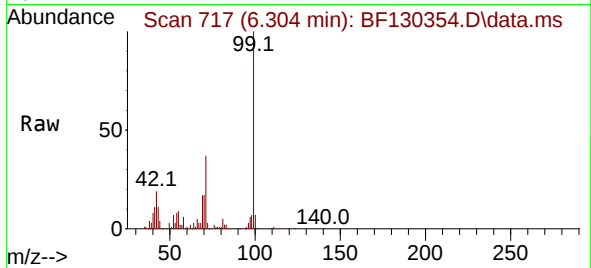




#7
Phenol-d6
Concen: 15.957 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

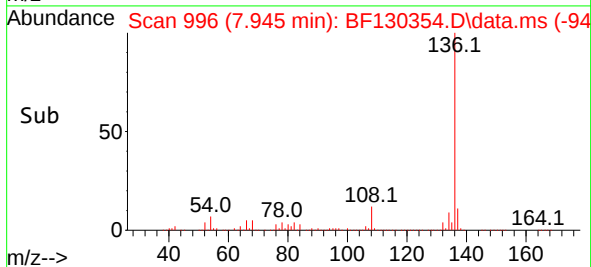
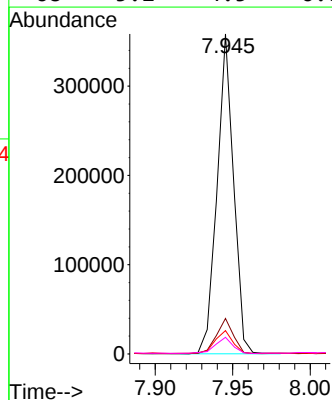
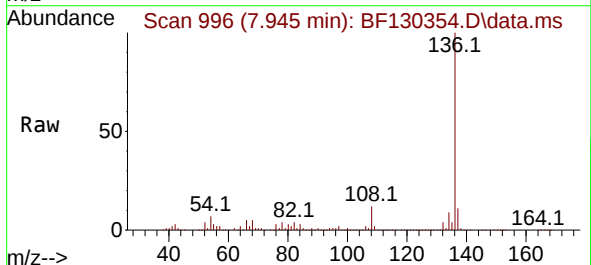
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2

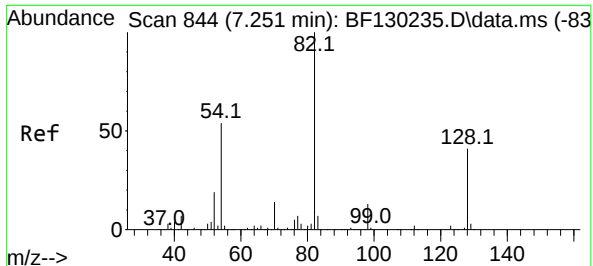
Tgt Ion: 99 Resp: 90283
Ion Ratio Lower Upper
99 100
42 18.7 17.0 25.6
71 37.5 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Tgt Ion:136 Resp: 265207
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.3 7.1 10.7
68 5.2 4.5 6.7

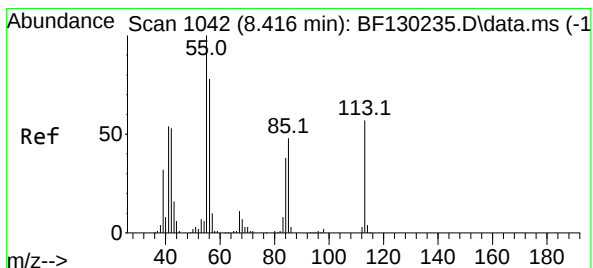
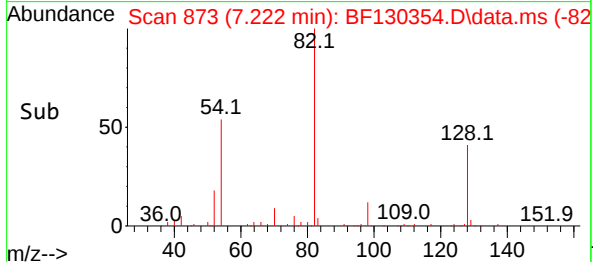
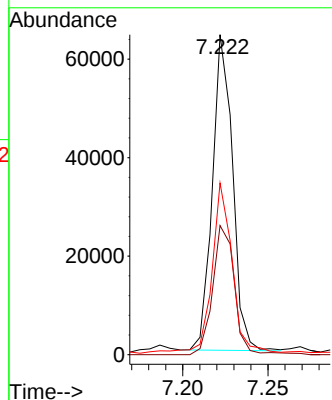
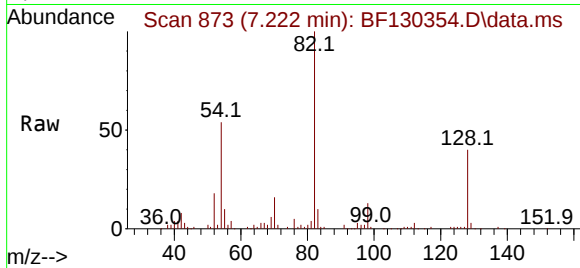




#23
Nitrobenzene-d5
Concen: 10.157 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

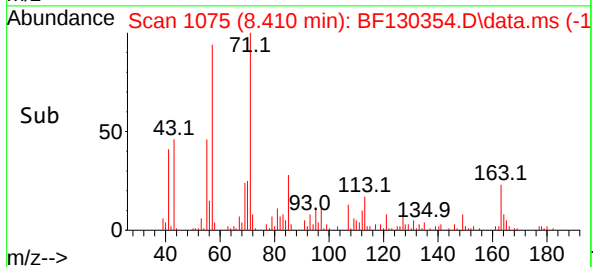
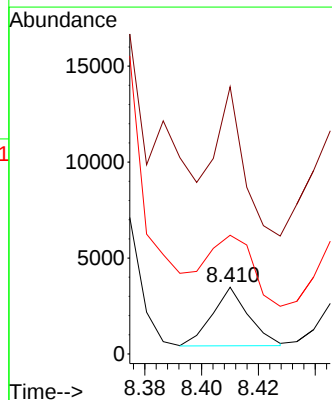
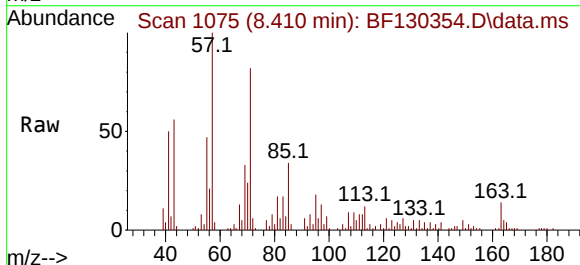
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2

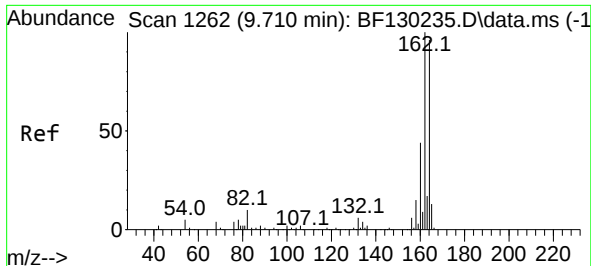
Tgt Ion: 82 Resp: 52726
Ion Ratio Lower Upper
82 100
128 40.3 32.6 49.0
54 53.7 43.8 65.6



#35
Caprolactam
Concen: 2.622 ng
RT: 8.410 min Scan# 1075
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Tgt Ion: 113 Resp: 2740
Ion Ratio Lower Upper
113 100
55 400.0 155.4 195.4#
56 177.7 120.4 160.4#

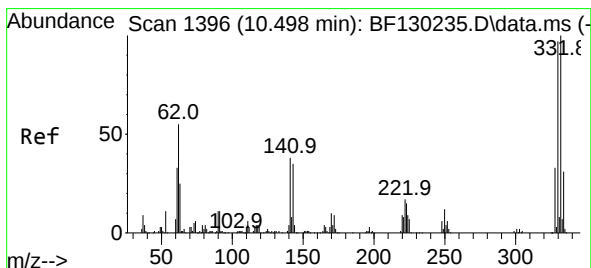
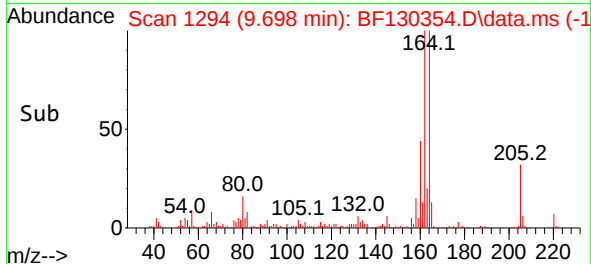
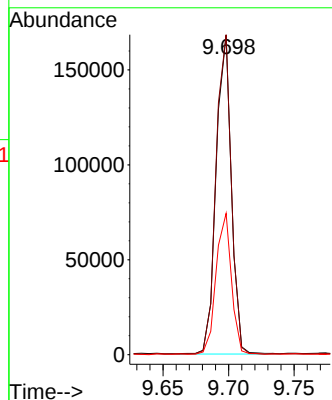
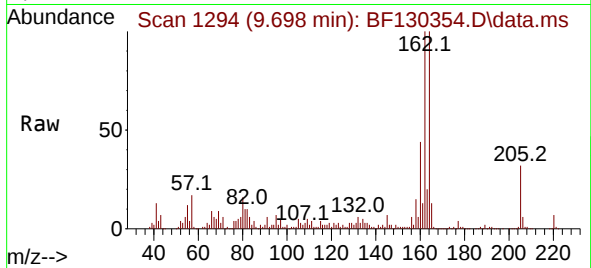




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.698 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

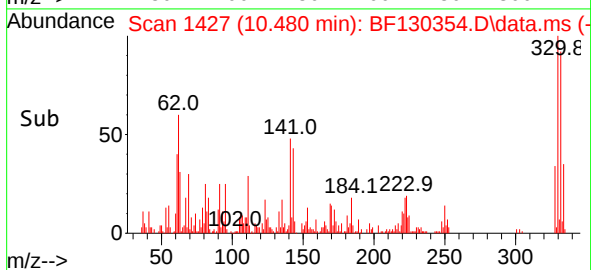
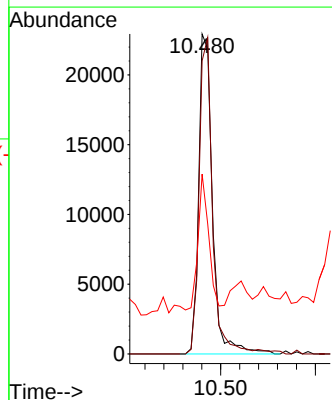
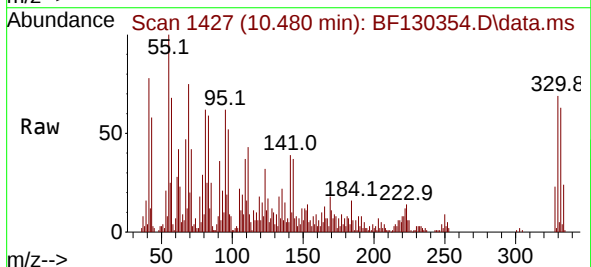
Instrument :
BNA_F
ClientSampleId :
WC-17-4-2

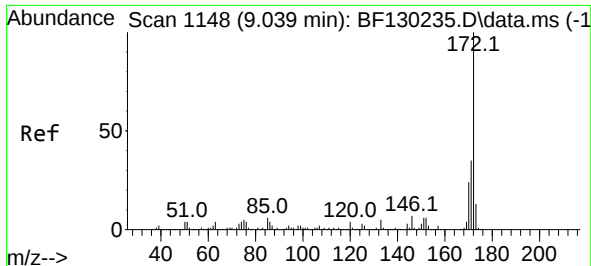
Tgt Ion:164 Resp: 135449
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 44.2 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 17.838 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Tgt Ion:330 Resp: 23151
Ion Ratio Lower Upper
330 100
332 97.1 83.4 125.2
141 32.7 34.0 51.0#

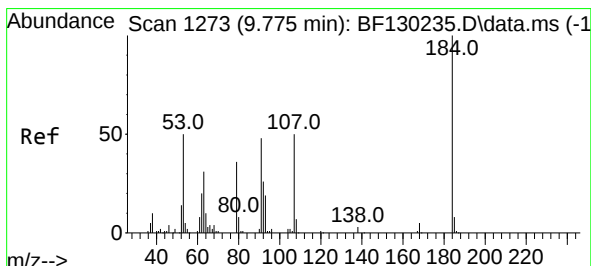
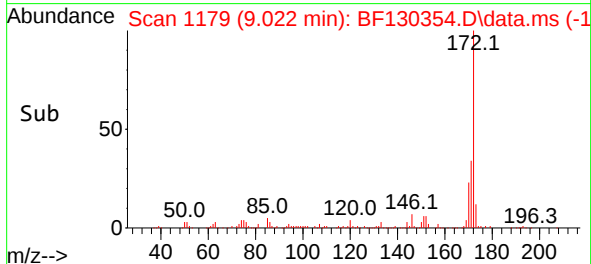
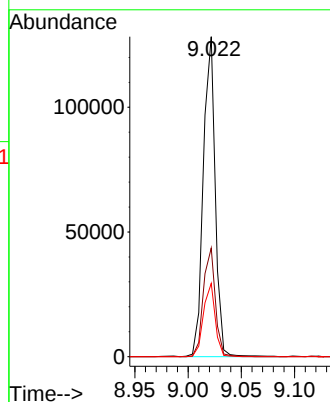
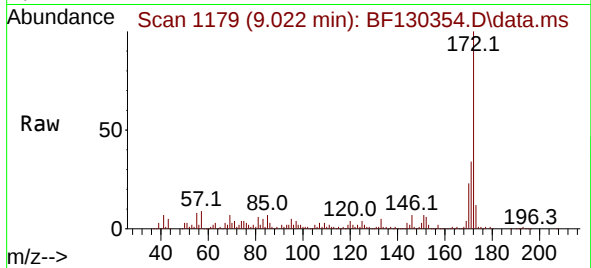




#45
2-Fluorobiphenyl
Concen: 10.791 ng
RT: 9.022 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

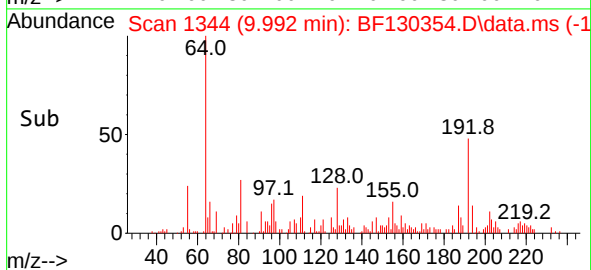
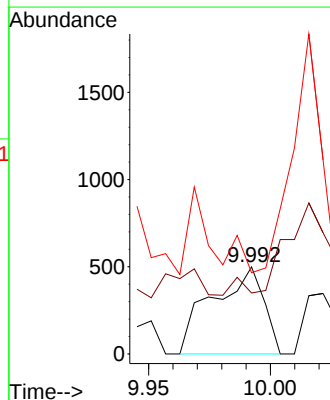
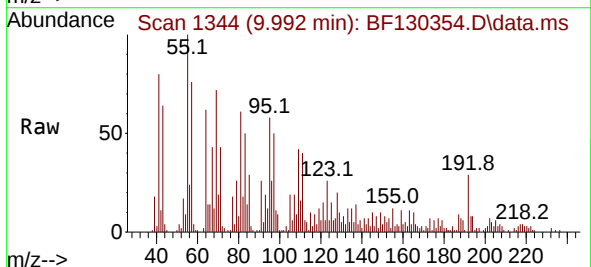
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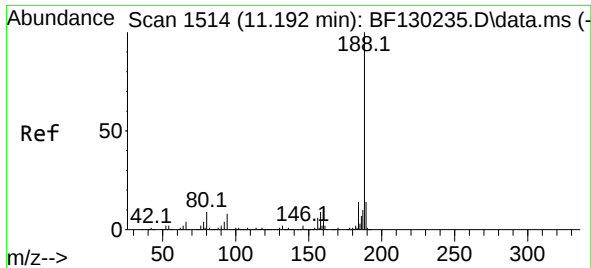
Tgt Ion:172 Resp: 100369
Ion Ratio Lower Upper
172 100
171 34.0 28.3 42.5
170 22.9 18.7 28.1



#54
2,4-Dinitrophenol
Concen: 6.890 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.235 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Tgt Ion:184 Resp: 732
Ion Ratio Lower Upper
184 100
63 70.1 70.0 105.0
154 93.4 63.0 94.6

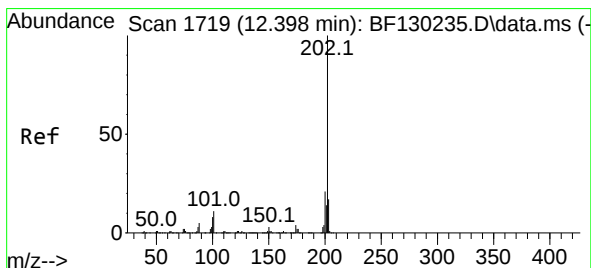
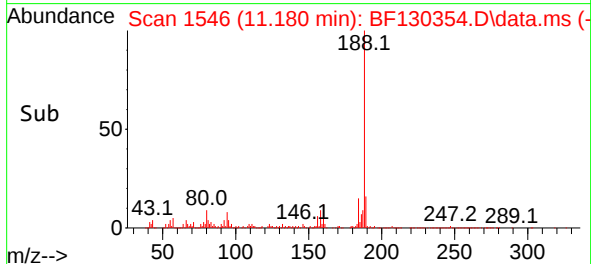
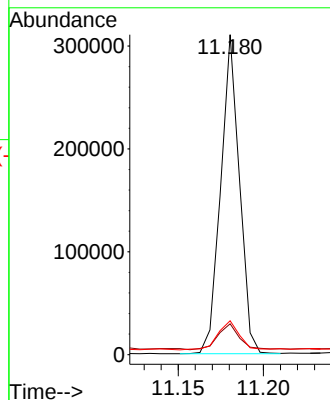
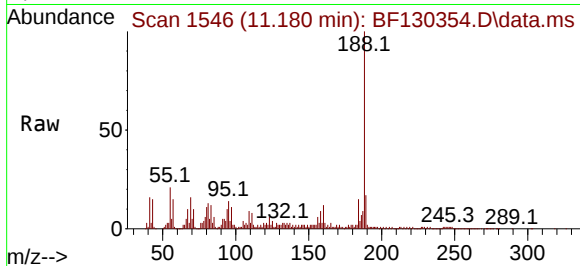




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.180 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

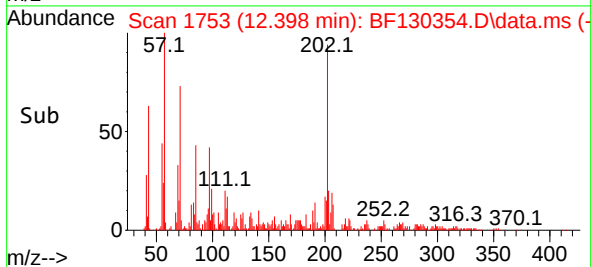
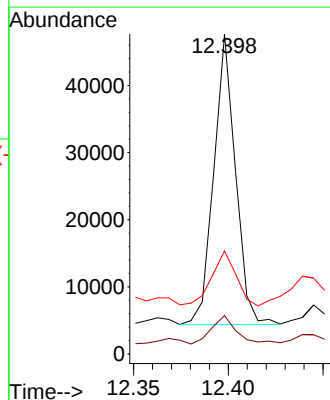
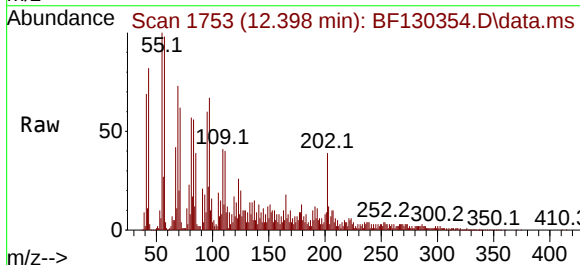
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ClientSampleId :
WC-17-4-2

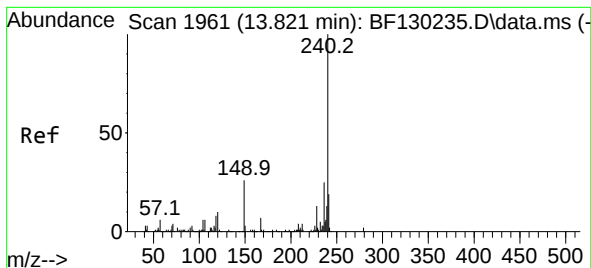
Tgt Ion:188 Resp: 237146
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.6 7.9 11.9



#75
Fluoranthene
Concen: 2.683 ng
RT: 12.398 min Scan# 1753
Delta R.T. 0.018 min
Lab File: BF130354.D
Acq: 20 Sep 2022 20:35

Tgt Ion:202 Resp: 34517
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.8
203 32.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.833 min Scan# 1961

Delta R.T. 0.029 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

Instrument :

BNA_F

ClientSampleId :

WC-17-4-2

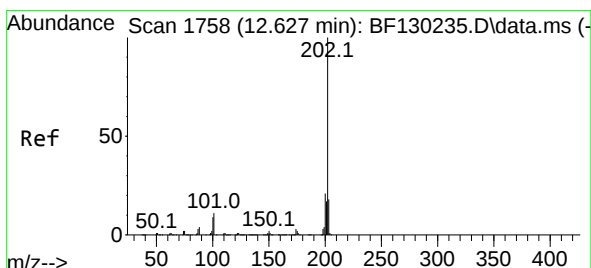
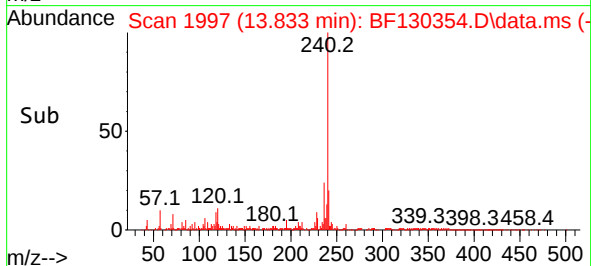
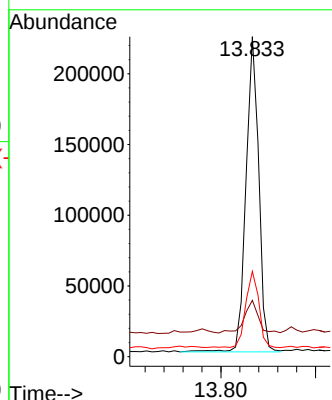
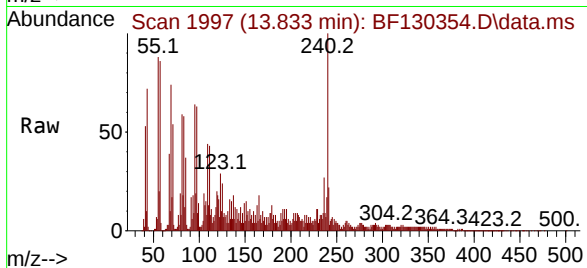
Tgt Ion:240 Resp: 207566

Ion Ratio Lower Upper

240 100

120 17.6 8.7 13.1#

236 26.7 20.9 31.3



#78

Pyrene

Concen: 3.760 ng

RT: 12.627 min Scan# 1792

Delta R.T. 0.018 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

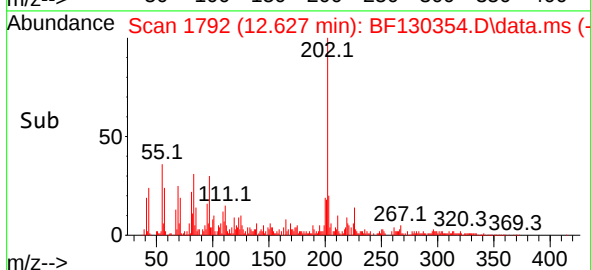
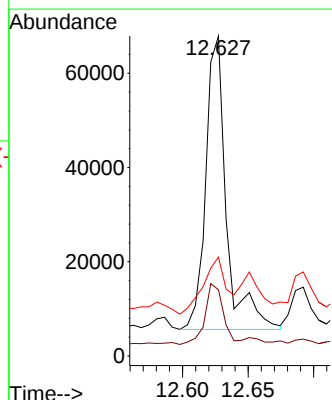
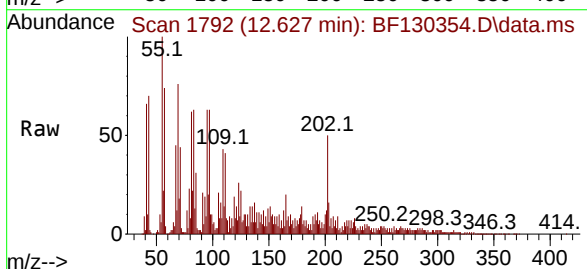
Tgt Ion:202 Resp: 68276

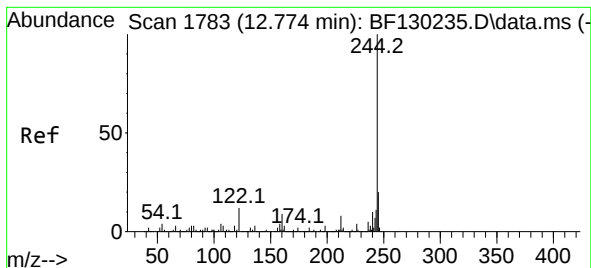
Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 30.9 14.3 21.5#





#79

Terphenyl-d14

Concen: 10.622 ng

RT: 12.774 min Scan# 1783

Delta R.T. 0.018 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

Instrument :

BNA_F

ClientSampleId :

WC-17-4-2

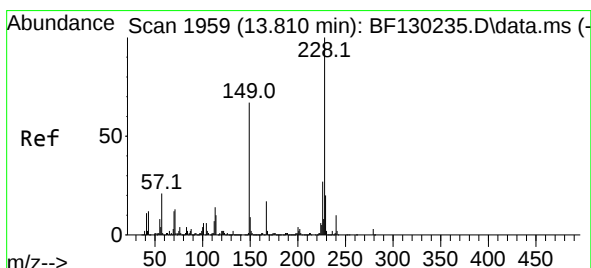
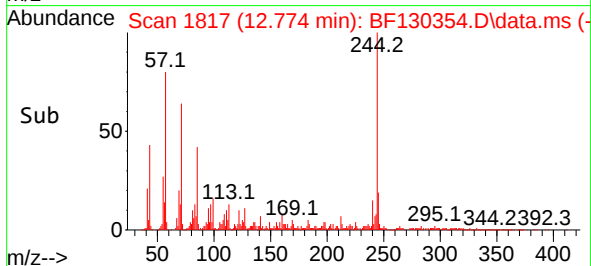
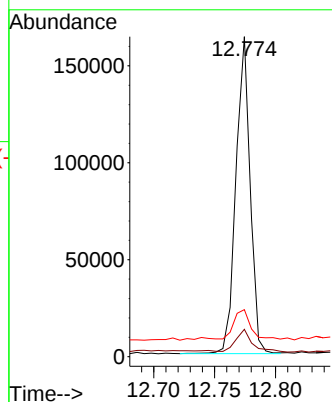
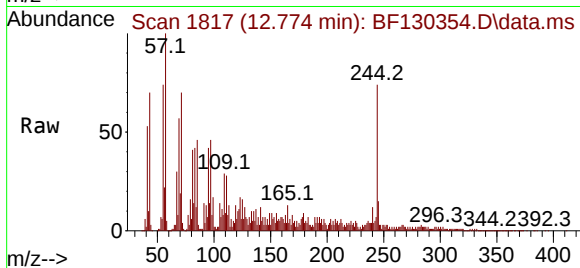
Tgt Ion:244 Resp: 133101

Ion Ratio Lower Upper

244 100

212 8.5 5.9 8.9

122 14.7 8.5 12.7#



#81

Benzo(a)anthracene

Concen: 3.448 ng

RT: 13.821 min Scan# 1995

Delta R.T. 0.029 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

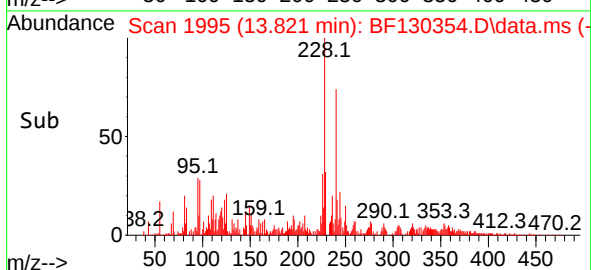
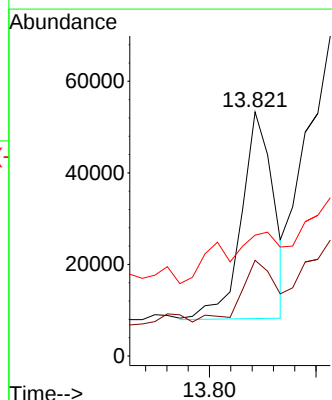
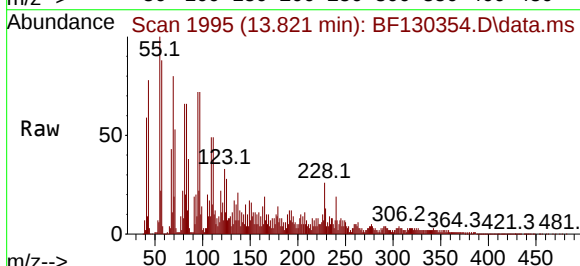
Tgt Ion:228 Resp: 47605

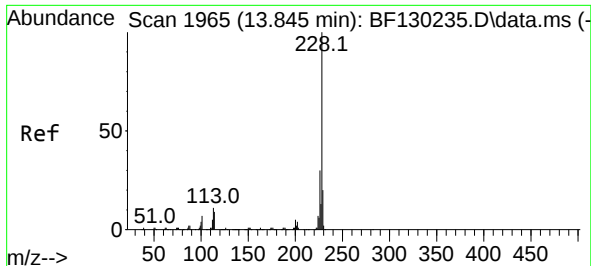
Ion Ratio Lower Upper

228 100

226 39.2 21.9 32.9#

229 49.5 16.1 24.1#





#83

Chrysene

Concen: 6.036 ng

RT: 13.857 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

Instrument :

BNA_F

ClientSampleId :

WC-17-4-2

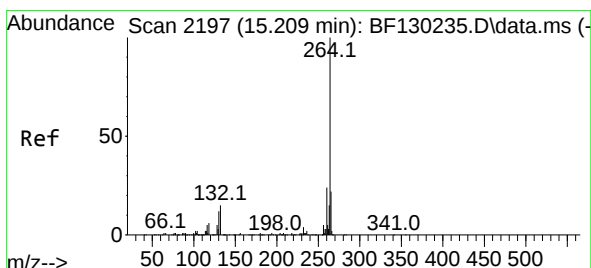
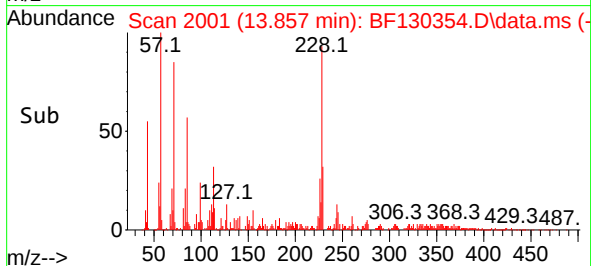
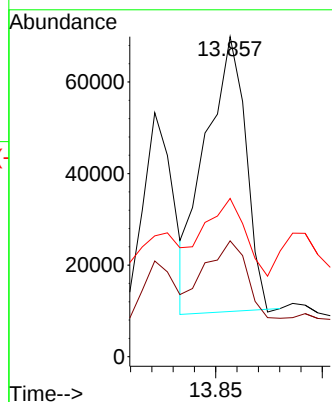
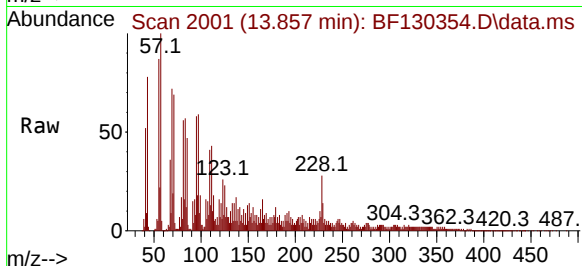
Tgt Ion:228 Resp: 79144

Ion Ratio Lower Upper

228 100

226 36.2 23.8 35.8#

229 49.4 15.3 22.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.065 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

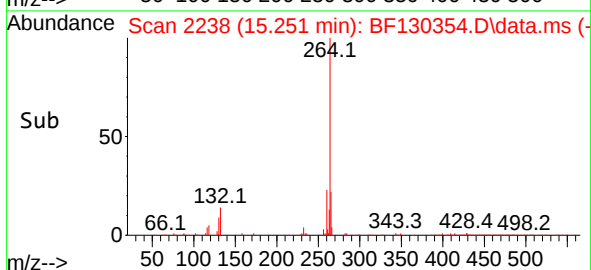
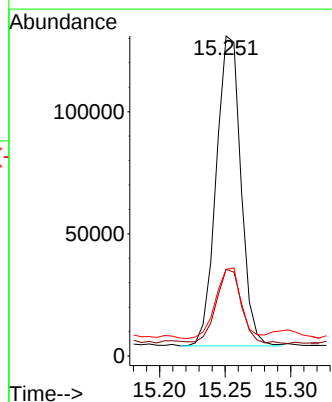
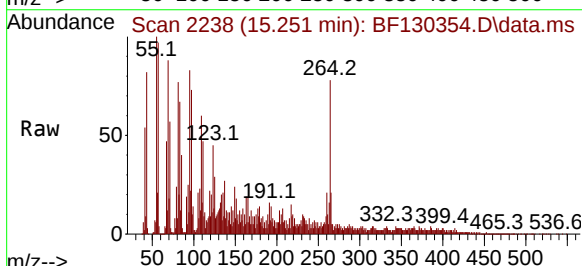
Tgt Ion:264 Resp: 166048

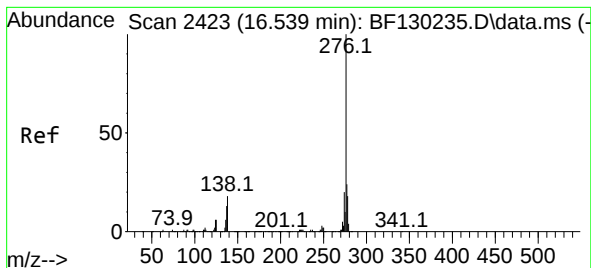
Ion Ratio Lower Upper

264 100

260 27.1 19.3 28.9

265 27.1 17.0 25.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.487 ng

RT: 16.592 min Scan# 24

Delta R.T. 0.082 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

Instrument :

BNA_F

ClientSampleId :

WC-17-4-2

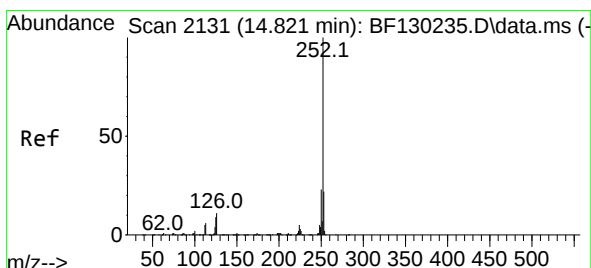
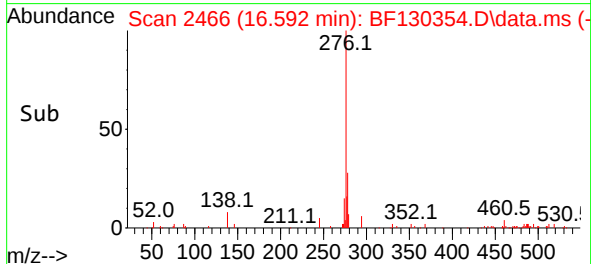
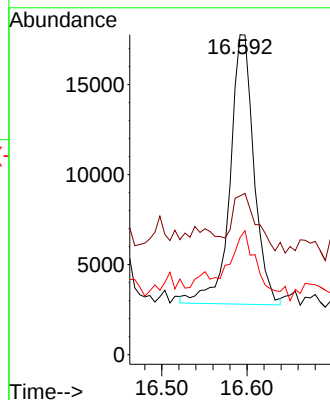
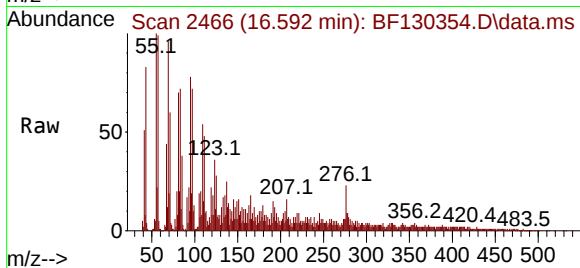
Tgt Ion:276 Resp: 29289

Ion Ratio Lower Upper

276 100

138 20.5 18.5 27.7

277 29.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 9.823 ng

RT: 14.851 min Scan# 2170

Delta R.T. 0.053 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

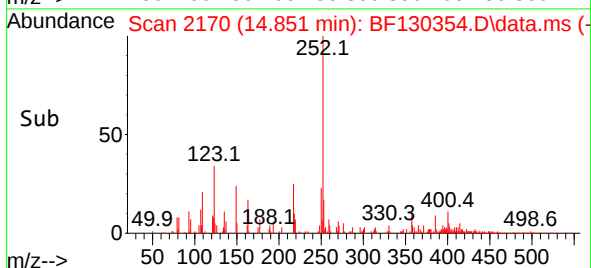
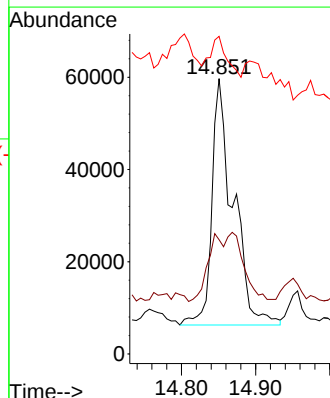
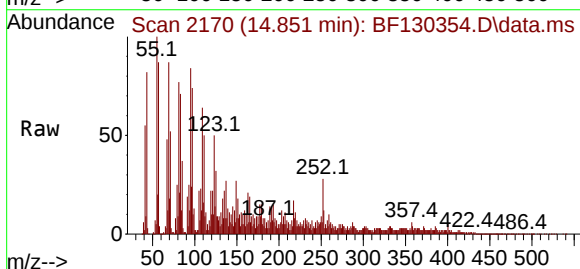
Tgt Ion:252 Resp: 106458

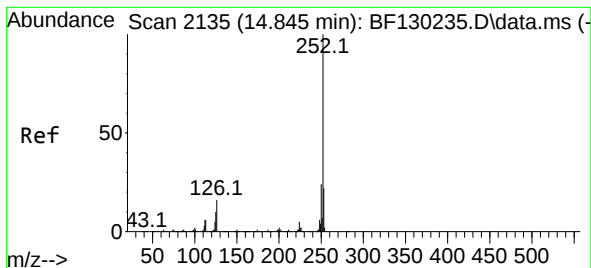
Ion Ratio Lower Upper

252 100

253 41.5 17.7 26.5#

125 115.4 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 9.986 ng

RT: 14.851 min Scan# 2135

Delta R.T. 0.024 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

Instrument :

BNA_F

ClientSampleId :

WC-17-4-2

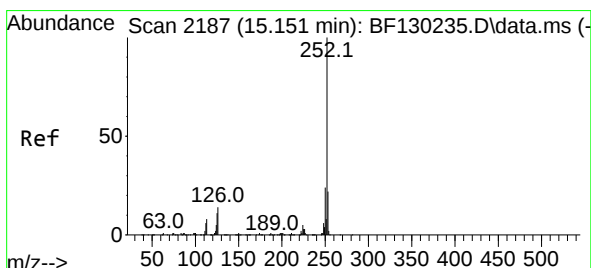
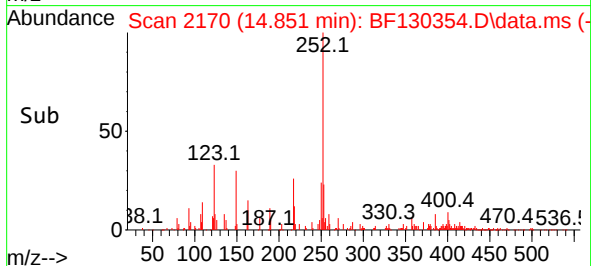
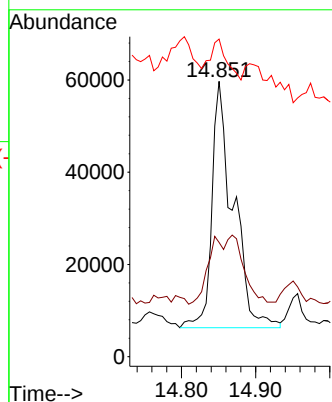
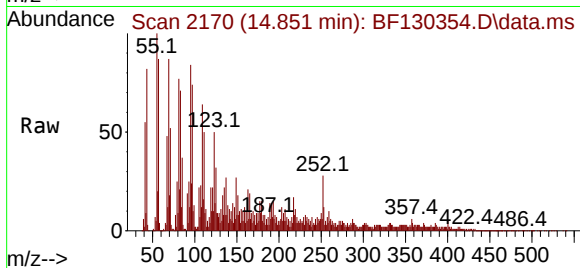
Tgt Ion:252 Resp: 106458

Ion Ratio Lower Upper

252 100

253 41.5 17.4 26.2#

125 115.4 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 7.039 ng

RT: 15.192 min Scan# 2228

Delta R.T. 0.059 min

Lab File: BF130354.D

Acq: 20 Sep 2022 20:35

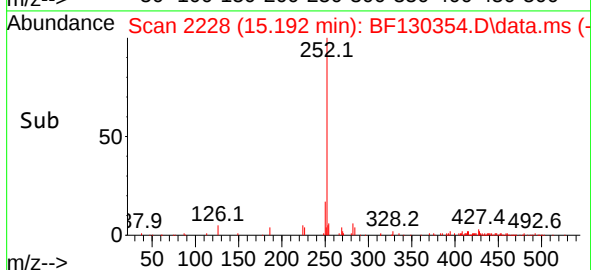
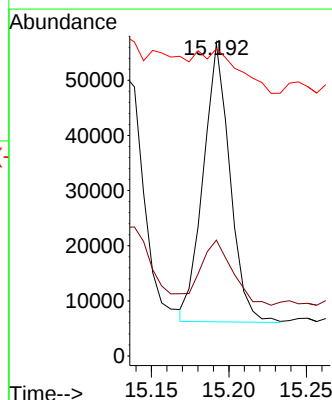
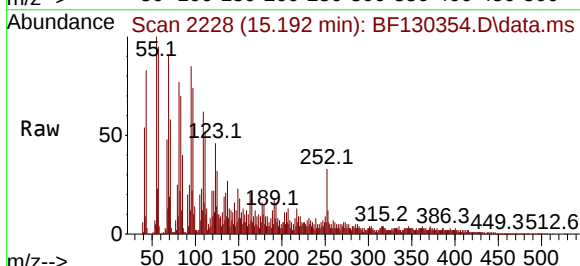
Tgt Ion:252 Resp: 60439

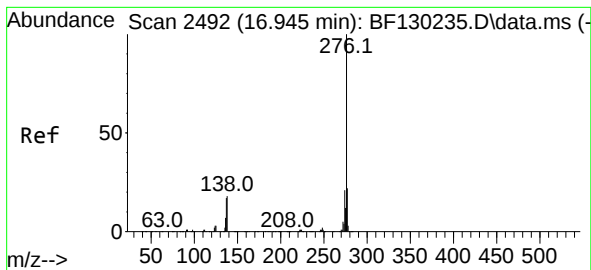
Ion Ratio Lower Upper

252 100

253 37.1 17.8 26.6#

125 98.4 9.0 13.6#





#92

Benzo(g,h,i)perylene

Concen: 4.159 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF130354.D

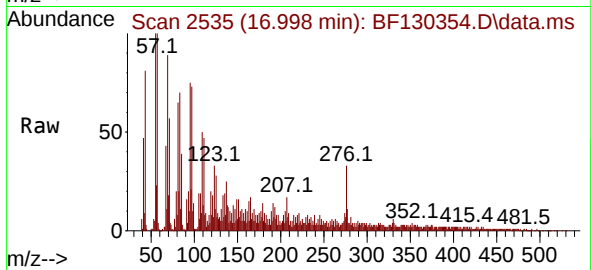
Acq: 20 Sep 2022 20:35

Instrument :

BNA_F

ClientSampleId :

WC-17-4-2



Tgt Ion: 276 Resp: 40474

Ion Ratio Lower Upper

276 100

277 34.6 18.6 27.8#

138 40.6 14.6 21.8#

