

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135368.D
 Acq On : 20 Sep 2023 20:50
 Operator : CG\JU
 Sample : 04304-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Sep 21 01:54:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

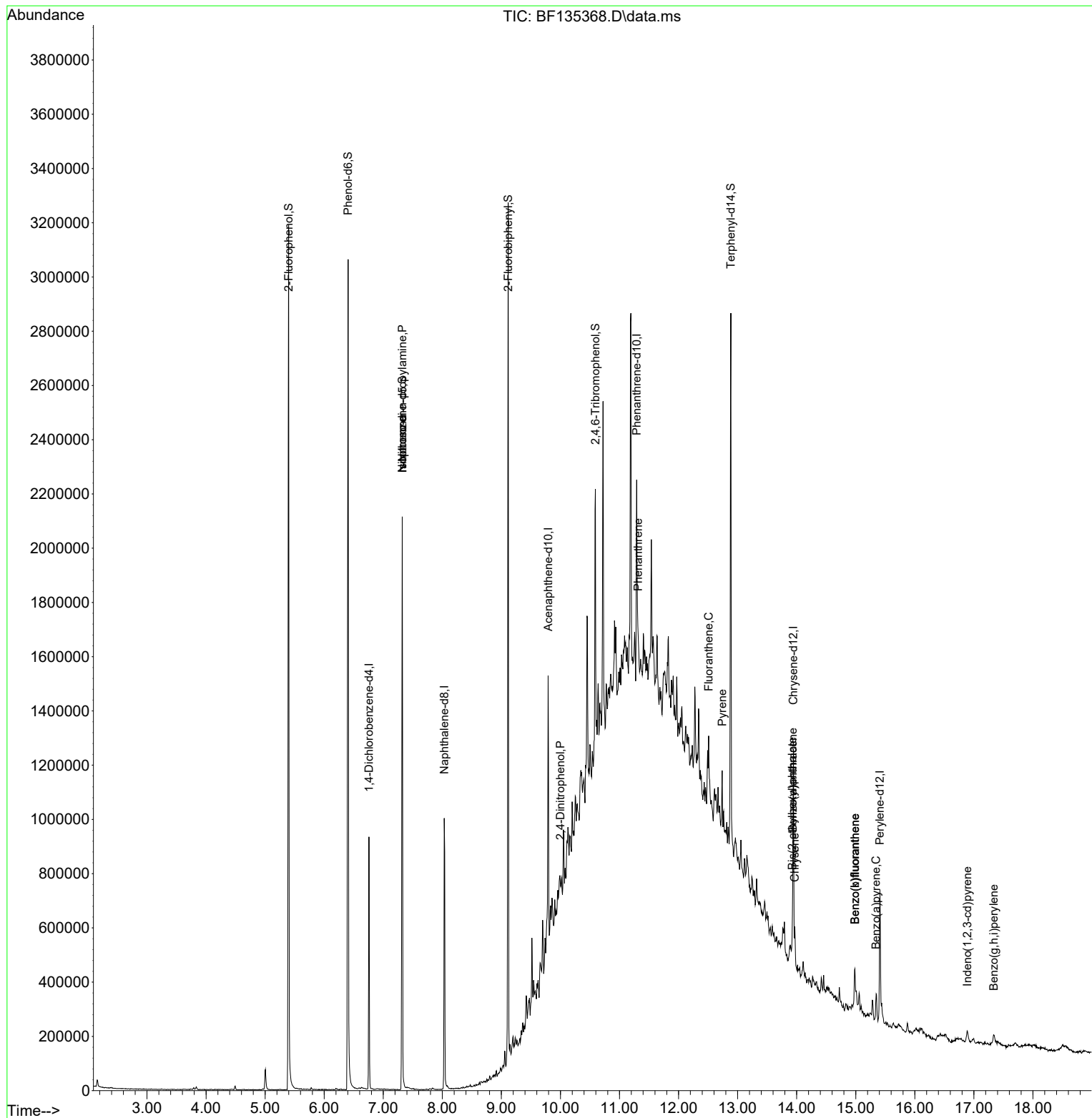
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	124694	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	434227	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	181535	20.000	ng	-0.01
64) Phenanthrene-d10	11.292	188	252901	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	238397	20.000	ng	0.00
86) Perylene-d12	15.409	264	217121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	845372	110.266	ng	0.01
7) Phenol-d6	6.404	99	1074735	110.245	ng	0.00
23) Nitrobenzene-d5	7.322	82	664611	83.154	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	152689	84.638	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	974656	81.003	ng	-0.01
79) Terphenyl-d14	12.886	244	753264	48.981	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	86250	14.284	ng	# 81
25) Isophorone	7.322	82	664607	45.284	ng	# 65
54) 2,4-Dinitrophenol	9.998	184	54	6.280	ng	# 1
71) Phenanthrene	11.316	178	46862	3.918	ng	# 90
75) Fluoranthene	12.510	202	103055	8.269	ng	98
78) Pyrene	12.739	202	95436	4.205	ng	98
81) Benzo(a)anthracene	13.933	228	63089	4.098	ng	96
83) Chrysene	13.968	228	54970	3.592	ng	96
84) Bis(2-ethylhexyl)phtha...	13.927	149	19577	2.387	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.886	276	28523	2.004	ng	96
88) Benzo(b)fluoranthene	14.986	252	98438	8.375	ng	# 92
89) Benzo(k)fluoranthene	14.986	252	98438	8.478	ng	# 93
90) Benzo(a)pyrene	15.345	252	48544	4.331	ng	# 92
92) Benzo(g,h,i)perylene	17.339	276	27424	2.254	ng	# 94

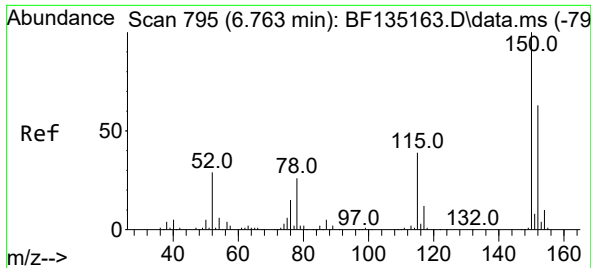
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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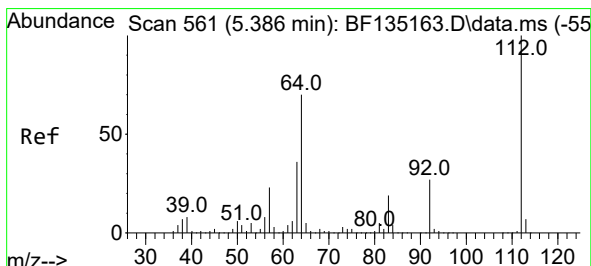
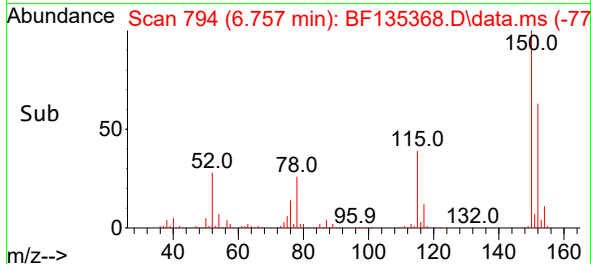
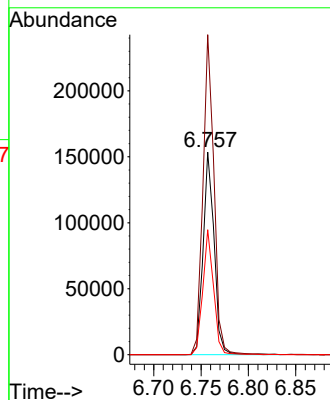
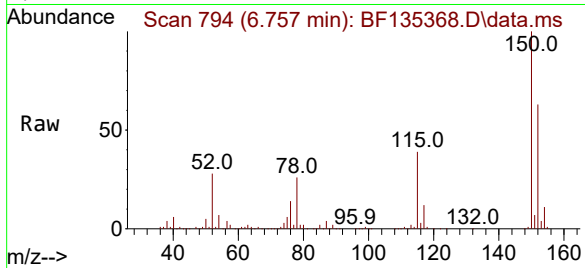




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

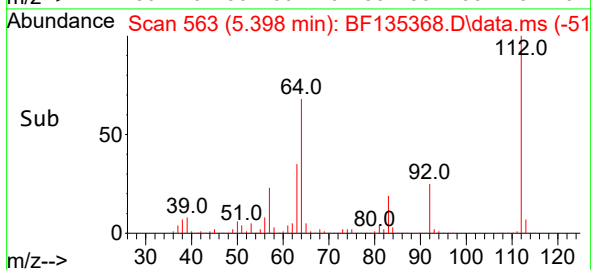
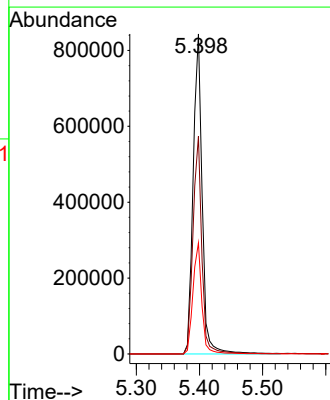
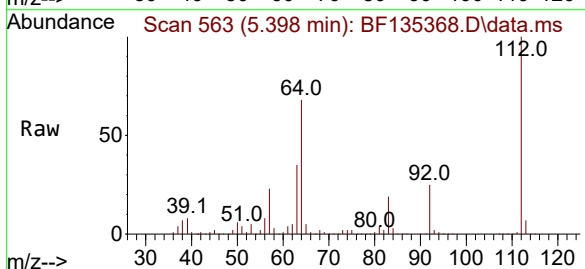
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BNA_F
ClientSampleId :
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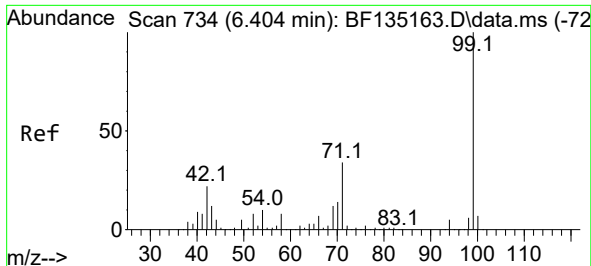
Tgt Ion:152 Resp: 124694
Ion Ratio Lower Upper
152 100
150 158.0 127.8 191.6
115 61.7 49.8 74.8



#5
2-Fluorophenol
Concen: 110.266 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Tgt Ion:112 Resp: 845372
Ion Ratio Lower Upper
112 100
64 68.0 55.9 83.9
63 34.7 29.0 43.6

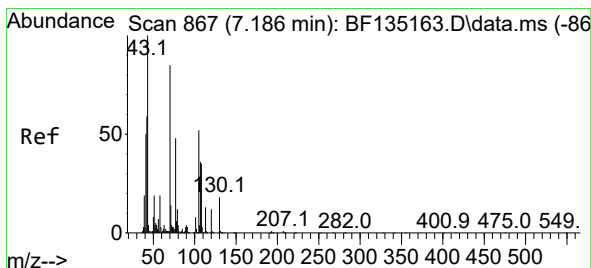
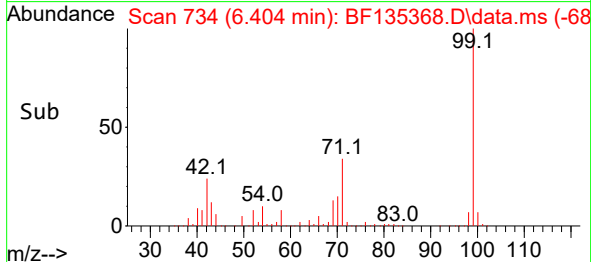
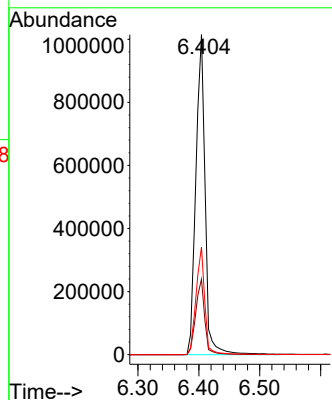
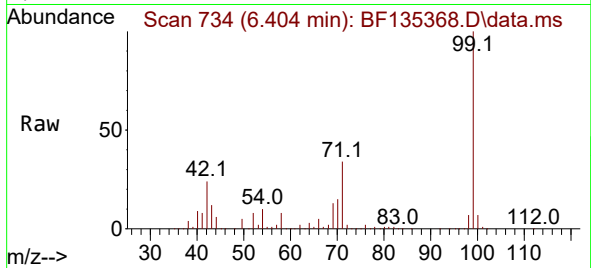




#7
Phenol-d6
Concen: 110.245 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

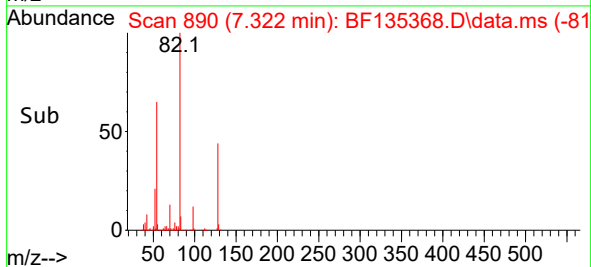
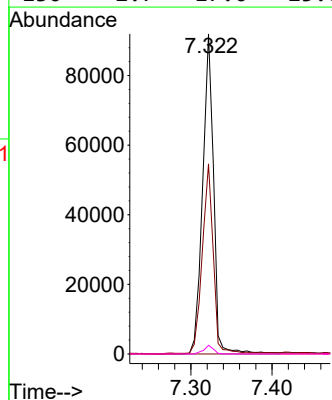
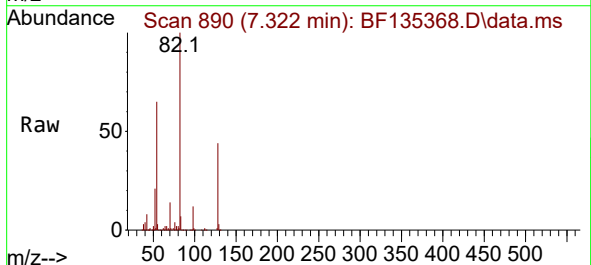
Instrument :
BNA_F
ClientSampleId :
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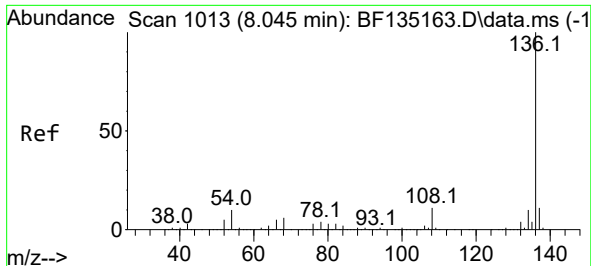
Tgt Ion: 99 Resp: 1074735
Ion Ratio Lower Upper
99 100
42 23.6 17.9 26.9
71 33.7 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.284 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Tgt Ion: 70 Resp: 86250
Ion Ratio Lower Upper
70 100
42 59.4 55.4 83.0
101 0.0 7.7 11.5#
130 2.7 17.0 25.6#

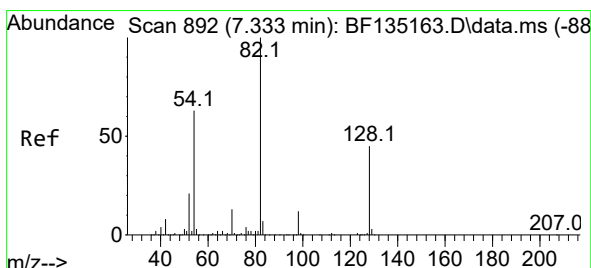
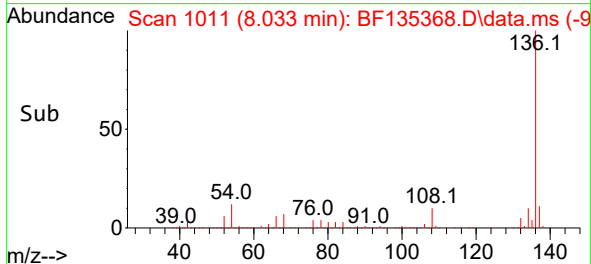
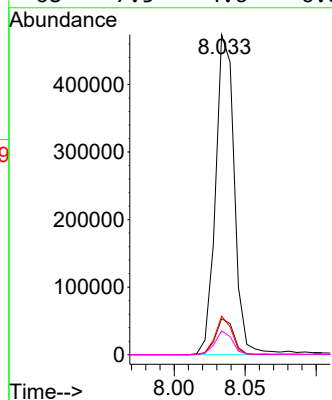
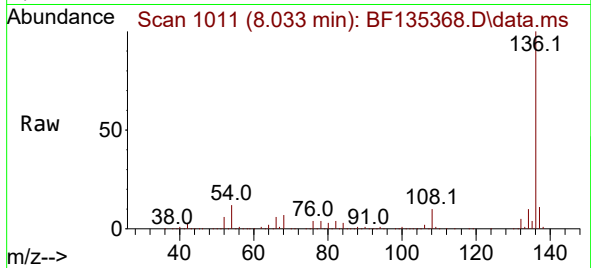




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

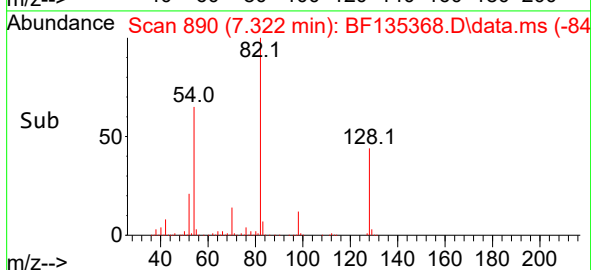
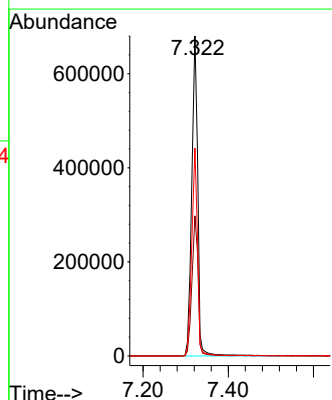
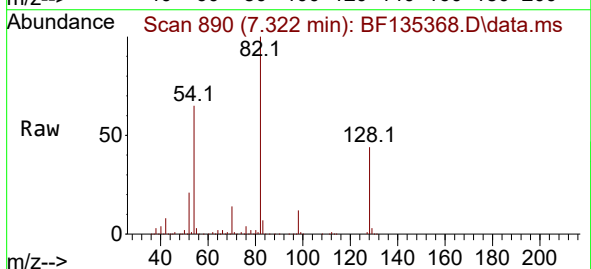
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 434227
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 12.1 7.7 11.5#
68 7.5 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 83.154 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Tgt Ion: 82 Resp: 664611
Ion Ratio Lower Upper
82 100
128 43.8 35.8 53.6
54 65.0 50.6 76.0

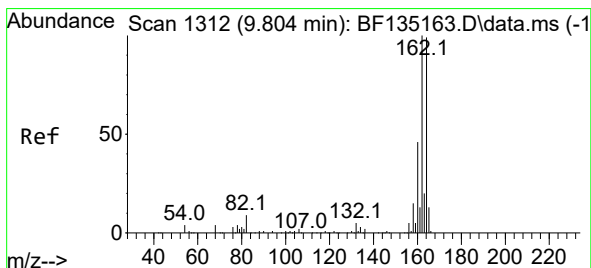
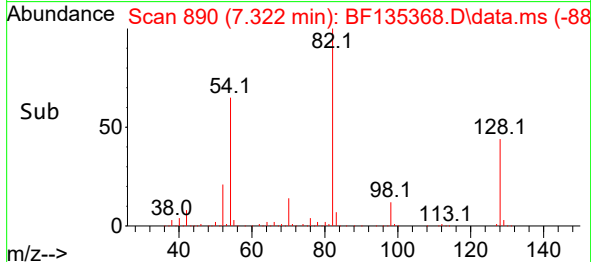
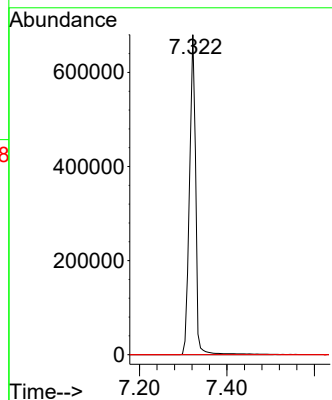
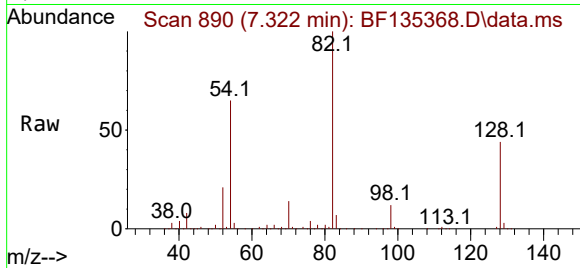




#25
Isophorone
Concen: 45.284 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

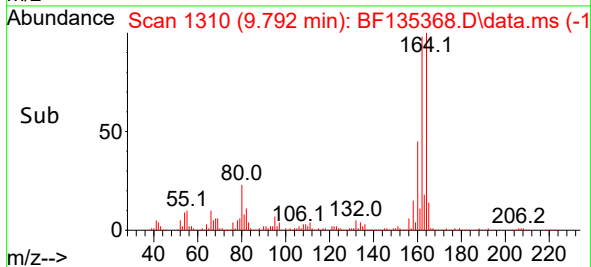
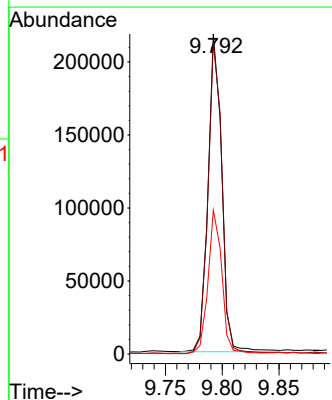
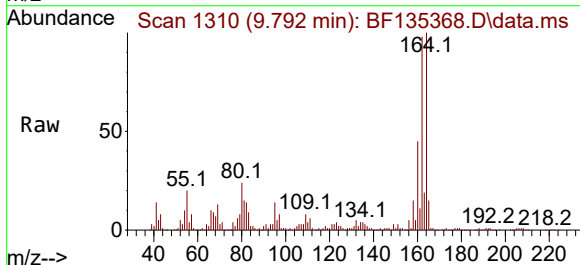
Instrument :
BNA_F
ClientSampleId :
WC-1

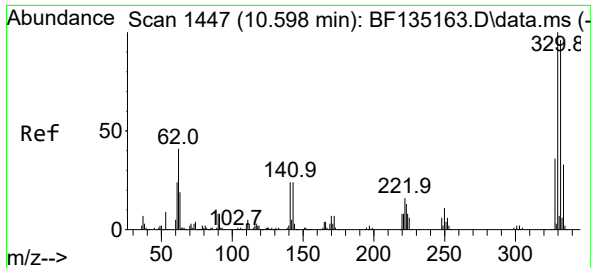
Tgt Ion: 82 Resp: 664607
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Tgt Ion: 164 Resp: 181535
Ion Ratio Lower Upper
164 100
162 97.5 81.0 121.4
160 45.0 37.0 55.4

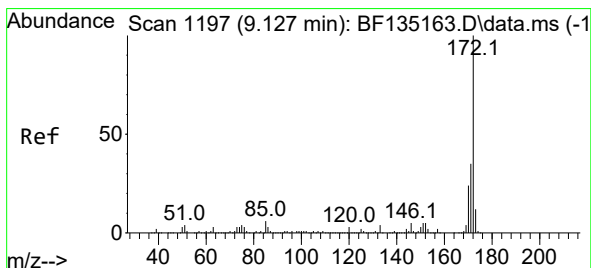
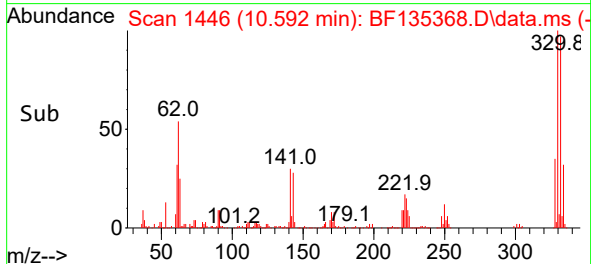
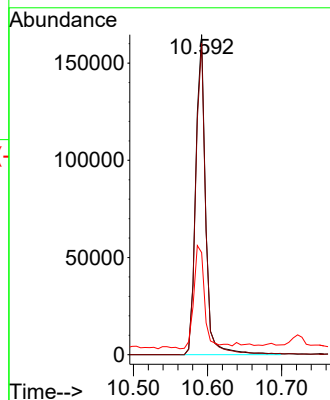
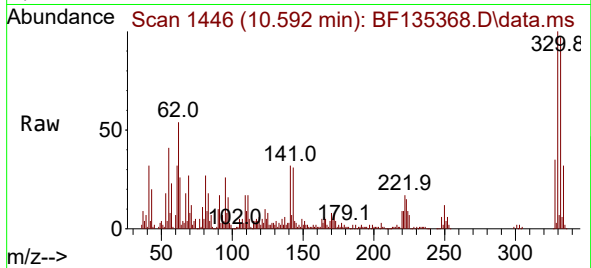




#42
2,4,6-Tribromophenol
Concen: 84.638 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

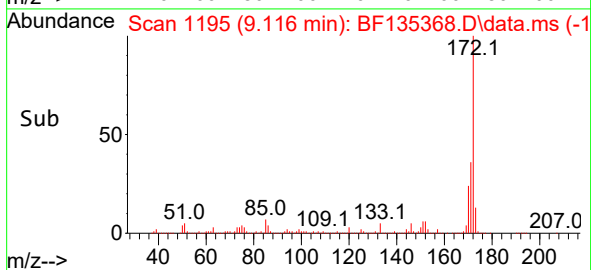
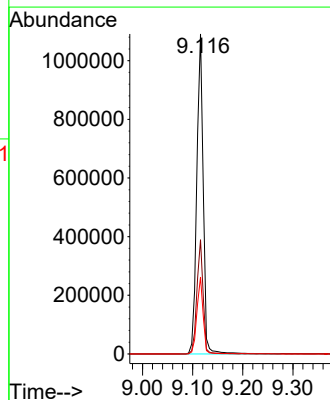
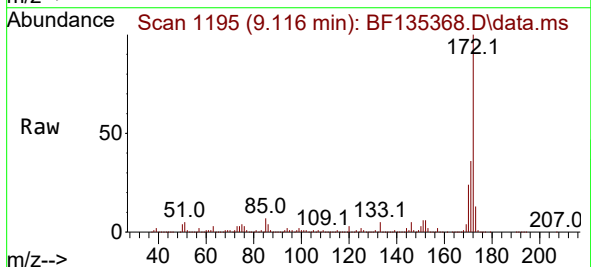
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ClientSampleId :
WC-1

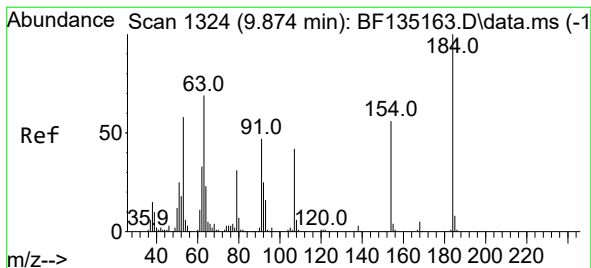
Tgt Ion:330 Resp: 152689
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 35.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 81.003 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Tgt Ion:172 Resp: 974656
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.1 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 6.280 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.124 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1

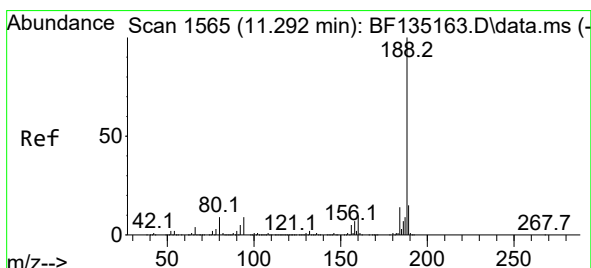
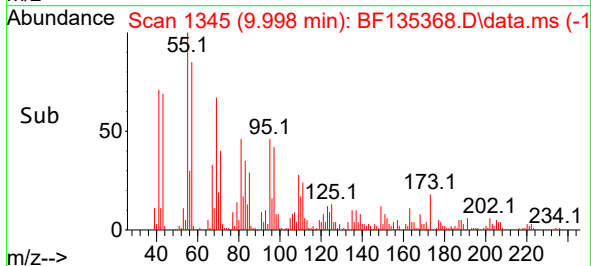
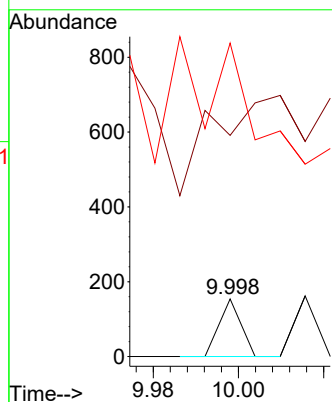
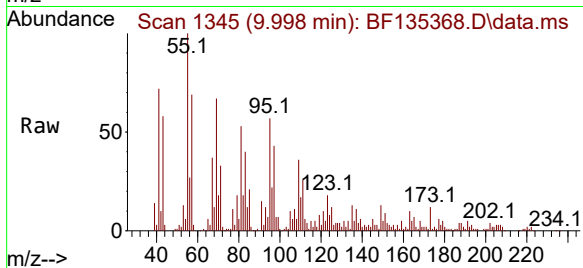
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 383.8 55.1 82.7#

154 544.2 48.4 72.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

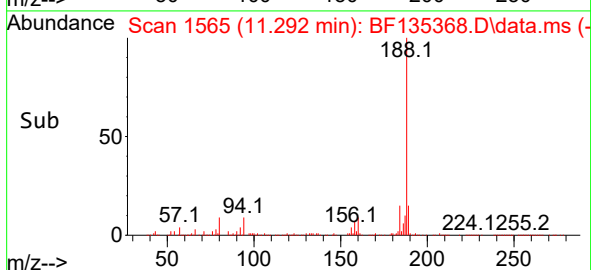
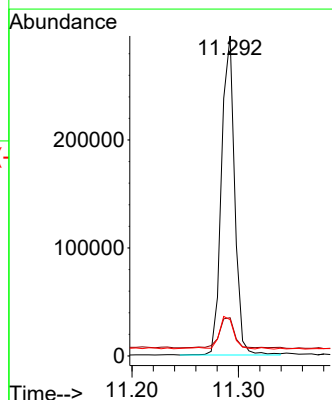
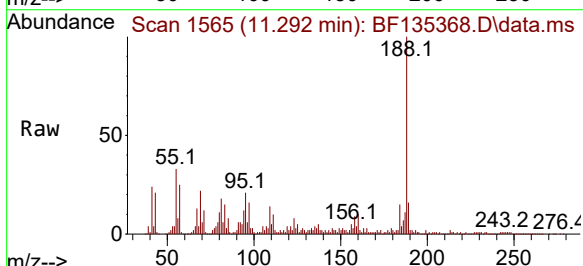
Tgt Ion:188 Resp: 252901

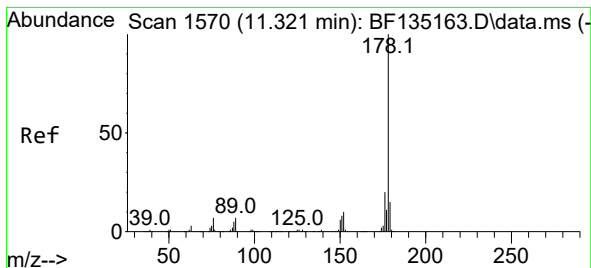
Ion Ratio Lower Upper

188 100

94 11.9 7.0 10.6#

80 11.4 7.5 11.3#





#71

Phenanthrene

Concen: 3.918 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

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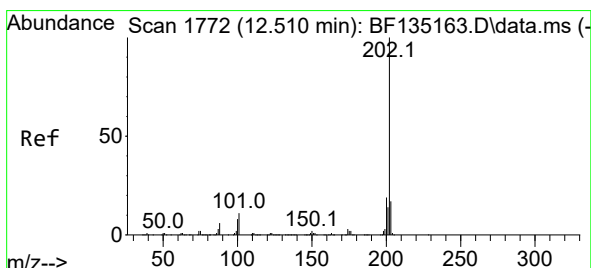
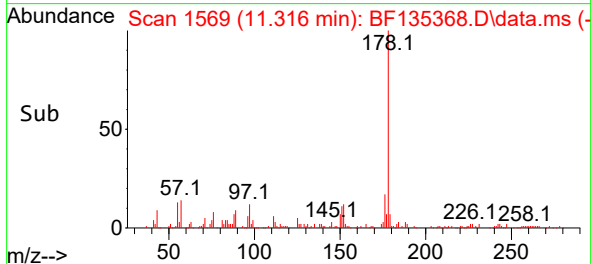
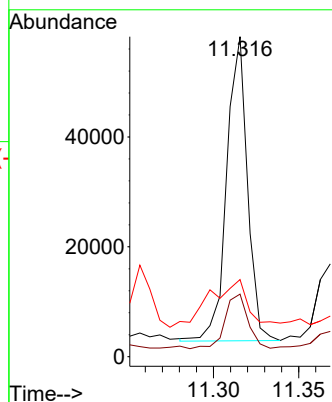
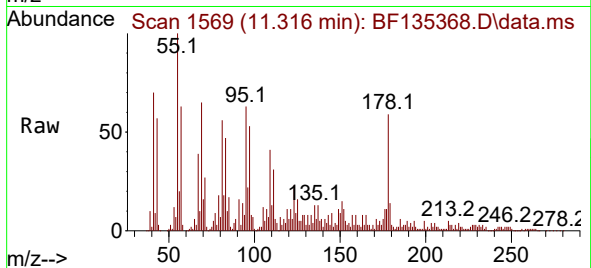
Tgt Ion:178 Resp: 46862

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 24.1 12.0 18.0#



#75

Fluoranthene

Concen: 8.269 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

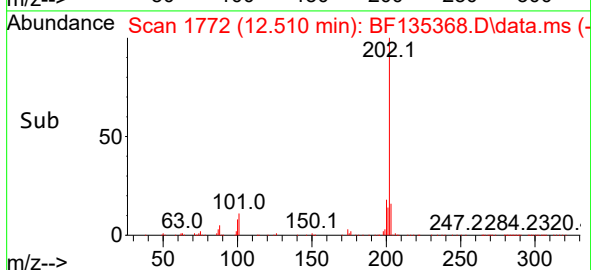
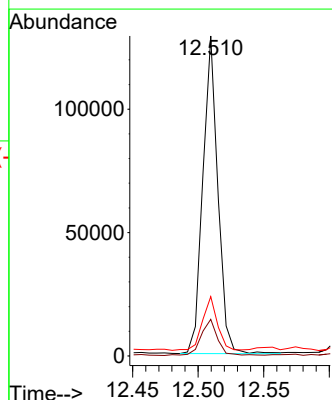
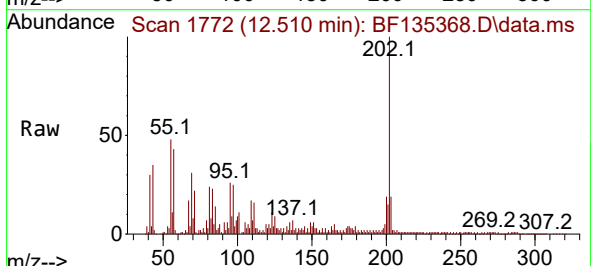
Tgt Ion:202 Resp: 103055

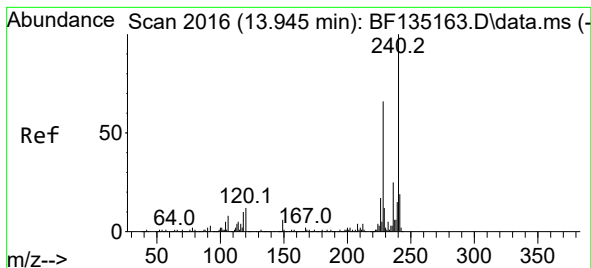
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.3

203 18.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1

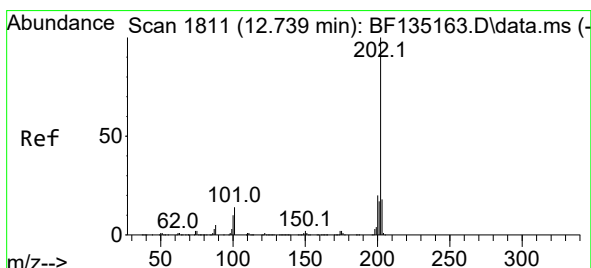
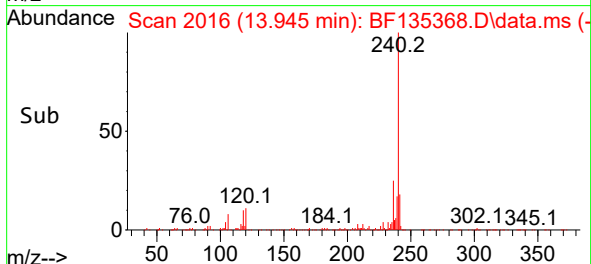
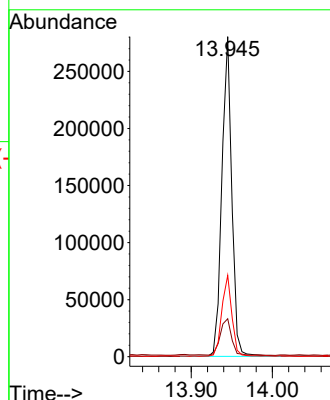
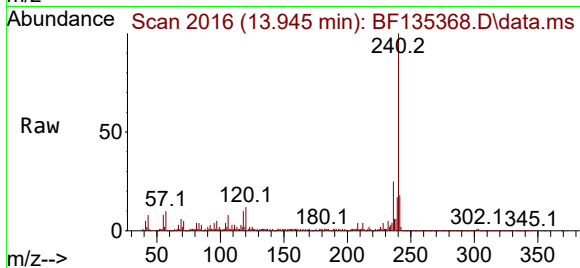
Tgt Ion:240 Resp: 238397

Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 25.4 19.8 29.8



#78

Pyrene

Concen: 4.205 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

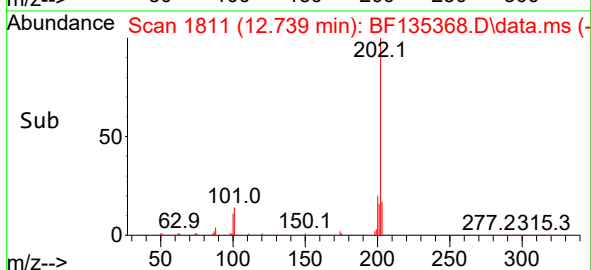
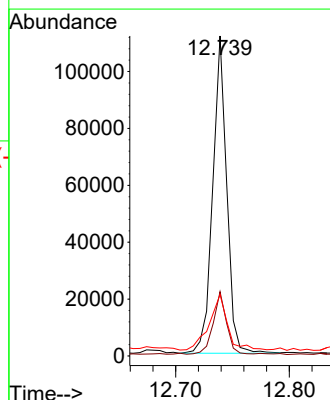
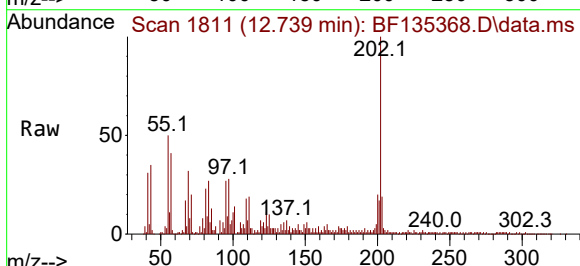
Tgt Ion:202 Resp: 95436

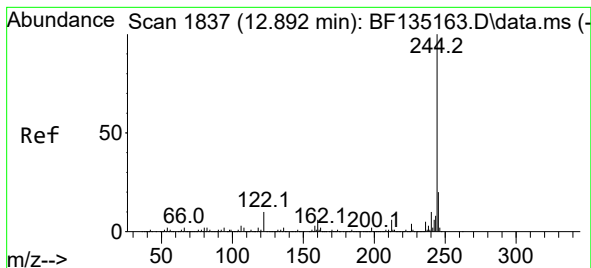
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 19.2 14.2 21.4





#79

Terphenyl-d14

Concen: 48.981 ng

RT: 12.886 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1

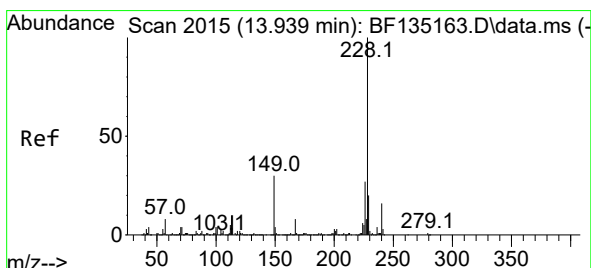
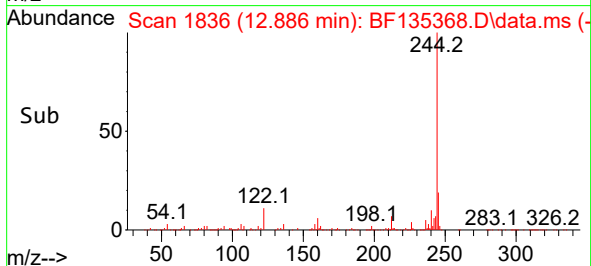
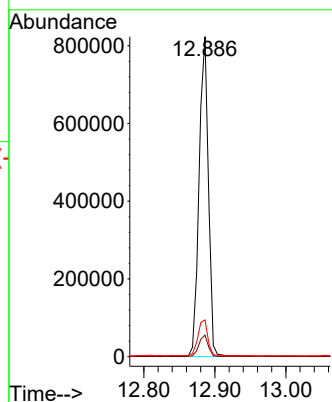
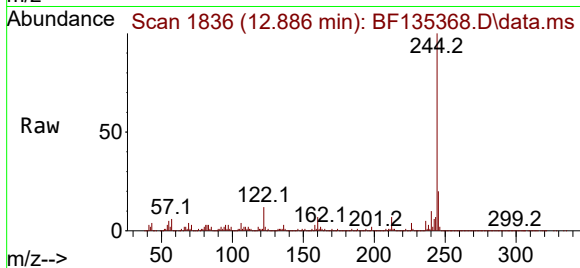
Tgt Ion:244 Resp: 753264

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 11.5 7.9 11.9



#81

Benzo(a)anthracene

Concen: 4.098 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

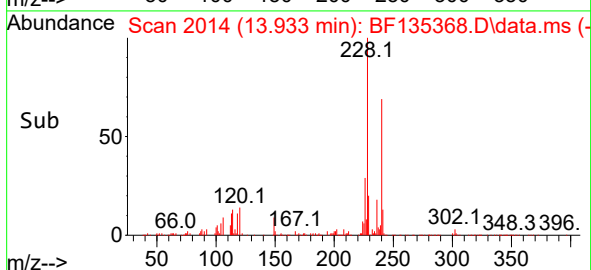
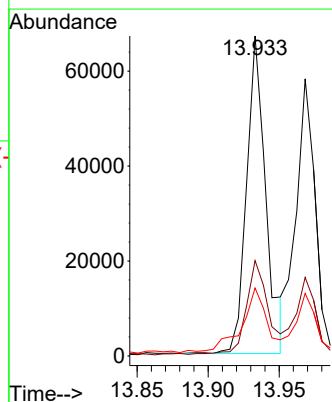
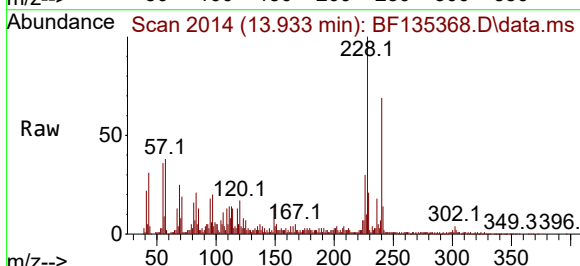
Tgt Ion:228 Resp: 63089

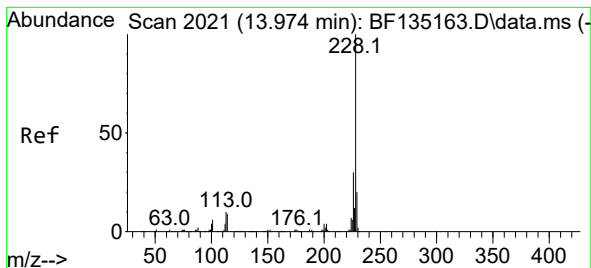
Ion Ratio Lower Upper

228 100

226 29.8 21.7 32.5

229 21.2 15.8 23.8





#83

Chrysene

Concen: 3.592 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1

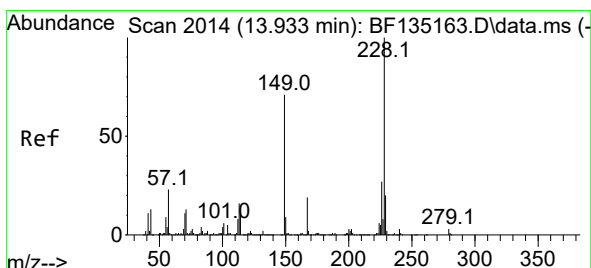
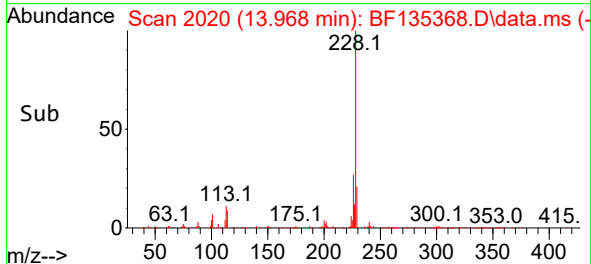
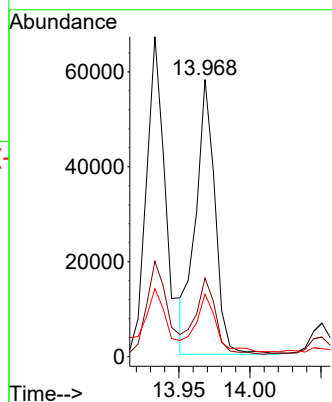
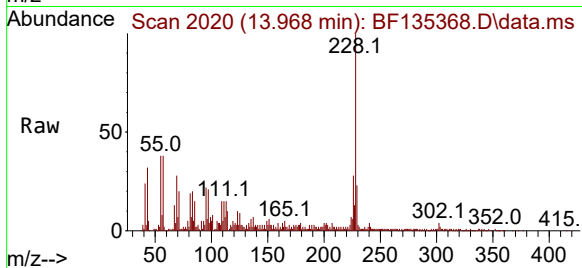
Tgt Ion:228 Resp: 54970

Ion Ratio Lower Upper

228 100

226 28.4 24.3 36.5

229 22.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.387 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

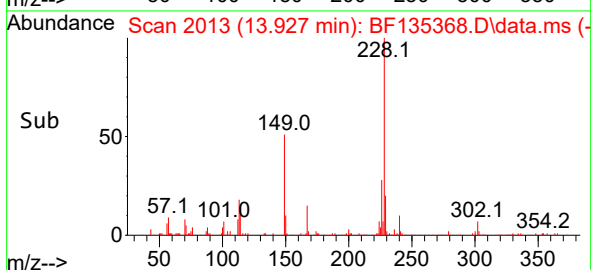
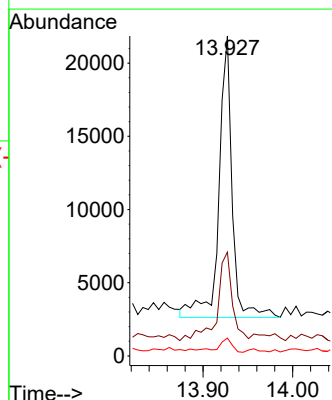
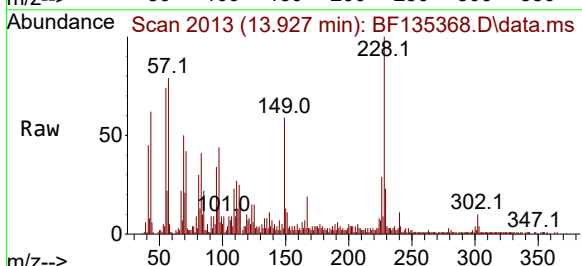
Tgt Ion:149 Resp: 19577

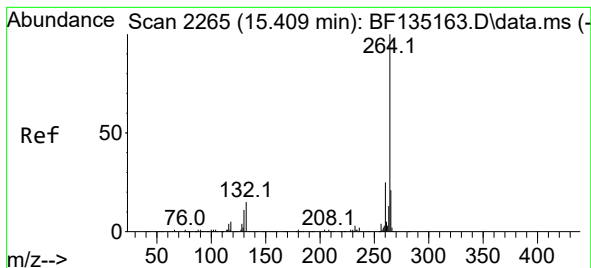
Ion Ratio Lower Upper

149 100

167 32.5 21.9 32.9

279 5.6 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Instrument :

BNA_F

ClientSampleId :

WC-1

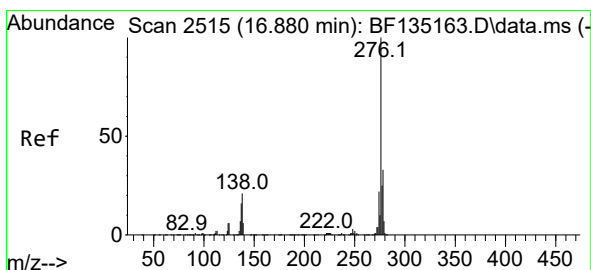
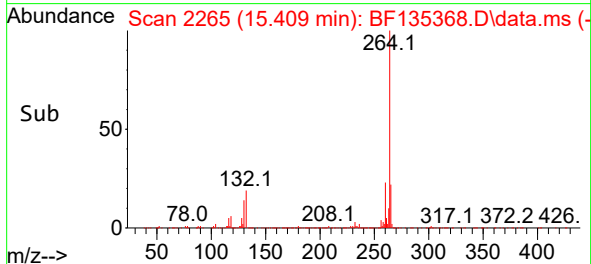
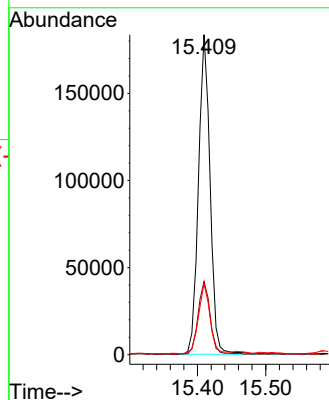
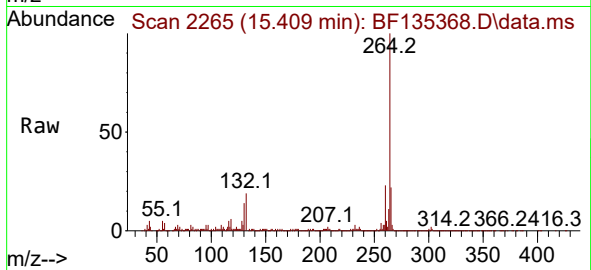
Tgt Ion:264 Resp: 217121

Ion Ratio Lower Upper

264 100

260 22.9 19.8 29.6

265 22.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.004 ng

RT: 16.886 min Scan# 2516

Delta R.T. 0.006 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

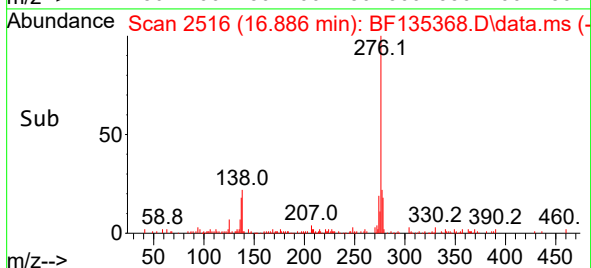
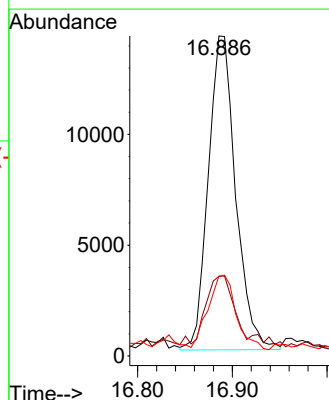
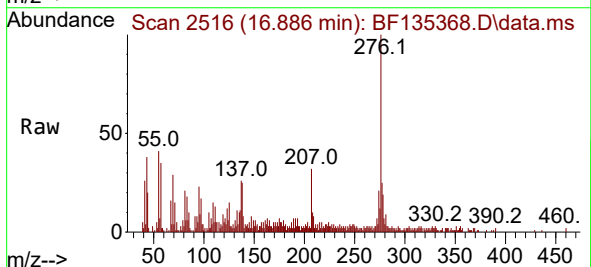
Tgt Ion:276 Resp: 28523

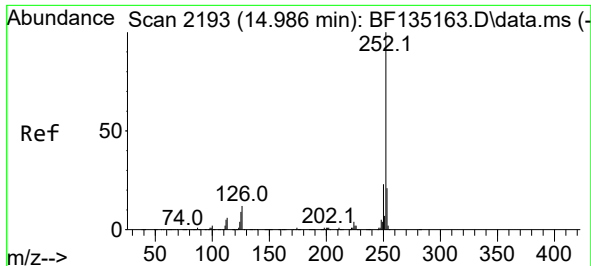
Ion Ratio Lower Upper

276 100

138 27.9 19.2 28.8

277 24.3 19.7 29.5

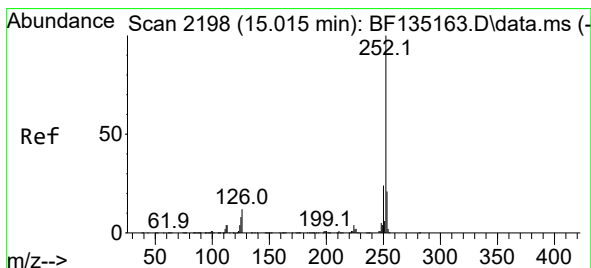
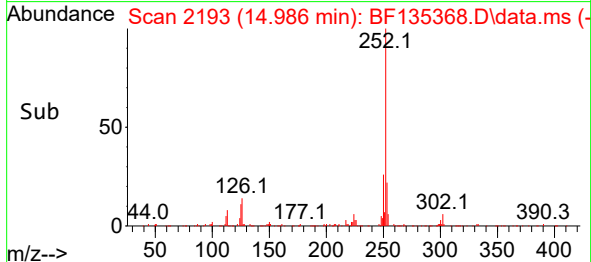
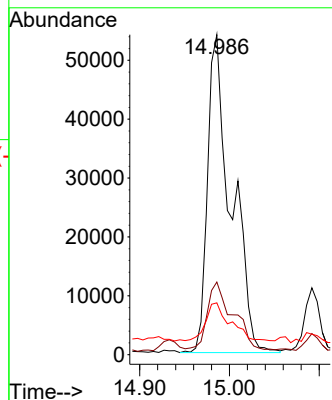
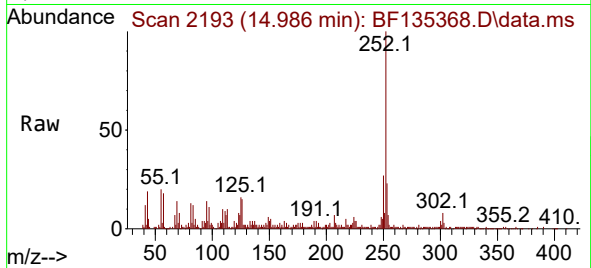




#88
Benzo(b)fluoranthene
Concen: 8.375 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

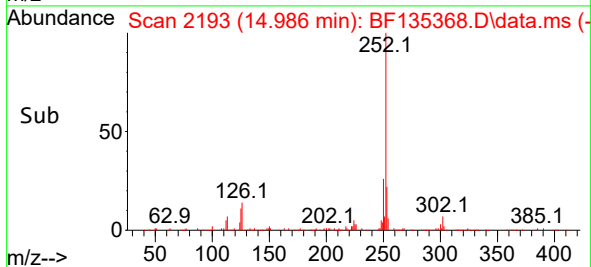
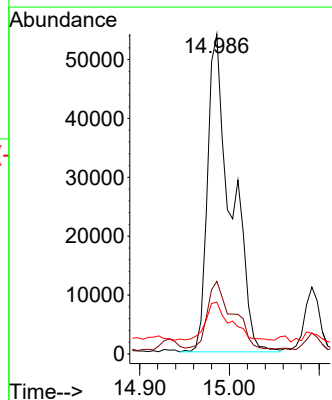
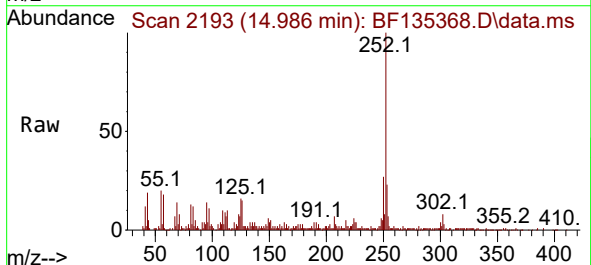
Instrument :
BNA_F
ClientSampleId :
WC-1

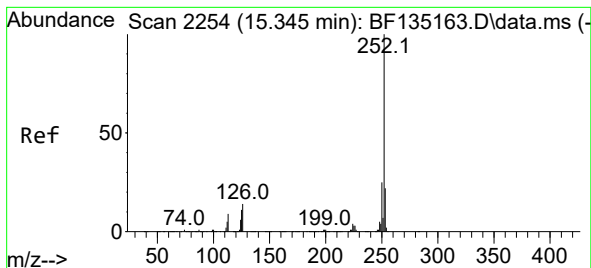
Tgt Ion:252 Resp: 98438
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 16.2 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 8.478 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.029 min
Lab File: BF135368.D
Acq: 20 Sep 2023 20:50

Tgt Ion:252 Resp: 98438
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 16.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.331 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

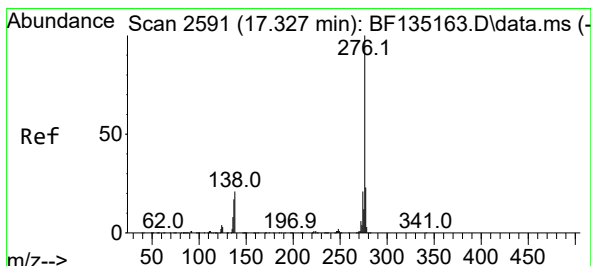
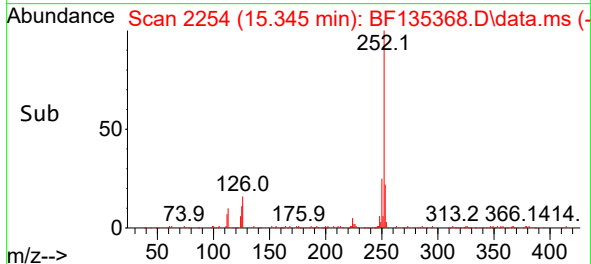
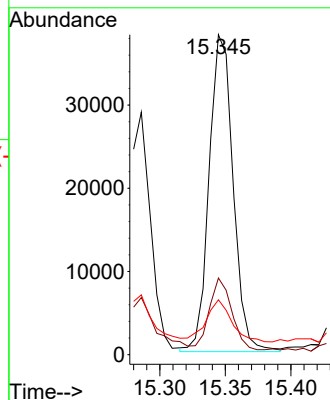
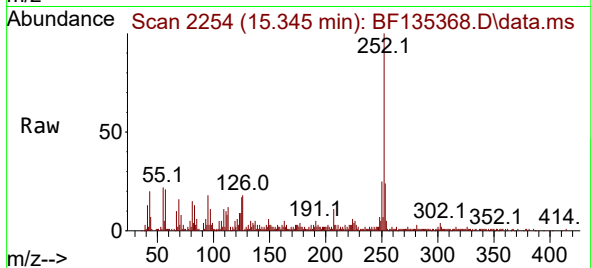
Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:	252	Resp:	48544
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	17.2	9.2	13.8#



#92

Benzo(g,h,i)perylene

Concen: 2.254 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.012 min

Lab File: BF135368.D

Acq: 20 Sep 2023 20:50

Tgt Ion:	276	Resp:	27424
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.8	28.2
138	27.2	16.9	25.3#

