

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135317.D
 Acq On : 18 Sep 2023 20:48
 Operator : CG\JU
 Sample : 04399-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11985

Quant Time: Sep 19 00:16:34 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

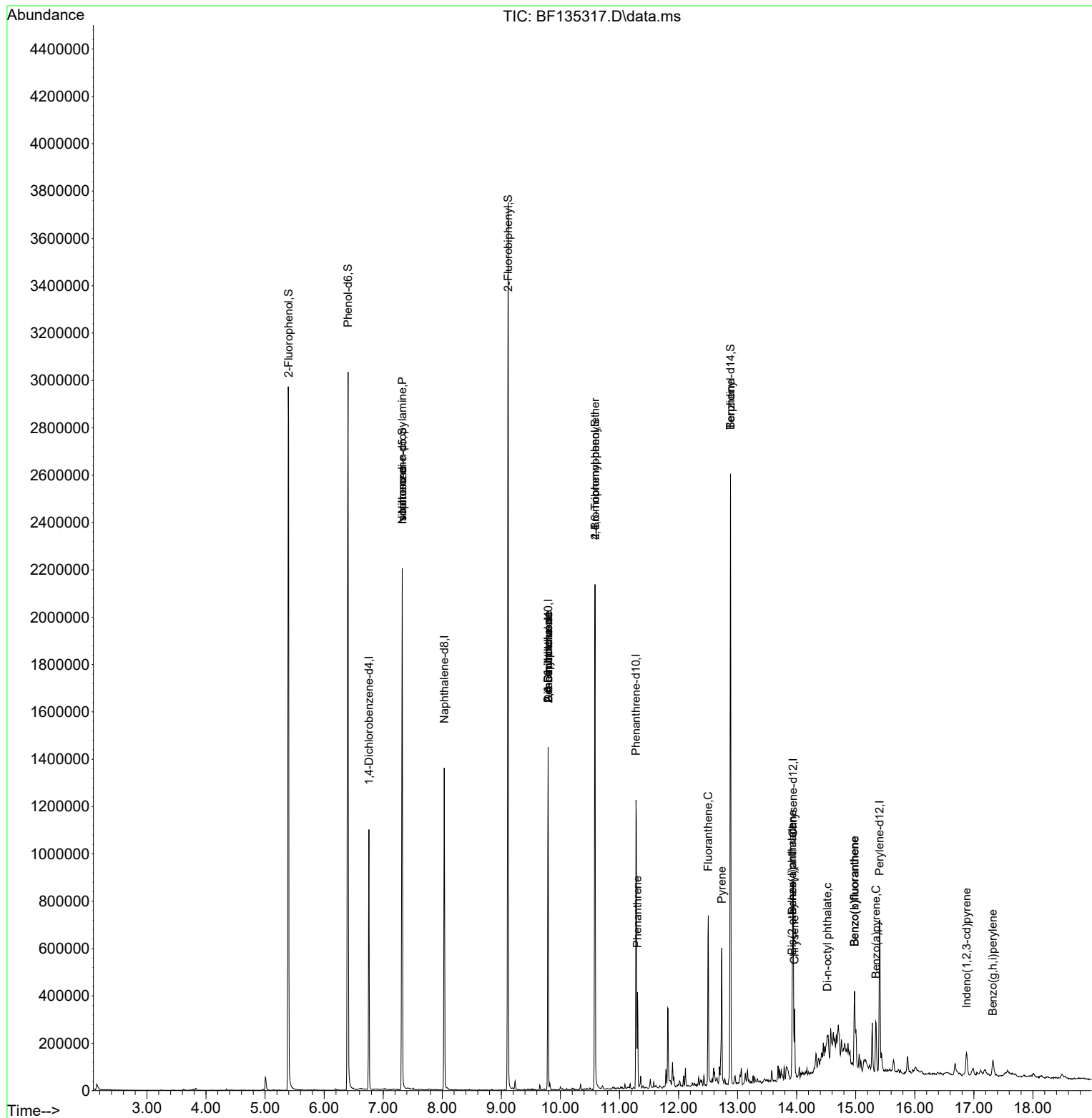
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	145482	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	556717	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	270886	20.000	ng	-0.01
64) Phenanthrene-d10	11.280	188	465851	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	241176	20.000	ng	0.00
86) Perylene-d12	15.404	264	307553	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	835899	93.451	ng	0.01
7) Phenol-d6	6.404	99	1051639	92.462	ng	0.00
23) Nitrobenzene-d5	7.322	82	674503	65.824	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	237135	88.090	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1189879	66.271	ng	-0.01
79) Terphenyl-d14	12.880	244	868356	55.815	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	90428	12.836	ng	# 79
25) Isophorone	7.322	82	674492	35.846	ng	# 65
50) Dimethylphthalate	9.792	163	55440	3.027	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	35727	8.905	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	35727	7.113	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	15422	3.329	ng	# 1
71) Phenanthrene	11.304	178	141335	6.415	ng	100
75) Fluoranthene	12.504	202	295480	12.871	ng	98
77) Benzidine	12.880	184	11687	2.365	ng	96
78) Pyrene	12.733	202	242927	10.580	ng	98
81) Benzo(a)anthracene	13.927	228	97426	6.256	ng	98
83) Chrysene	13.963	228	112127	7.242	ng	98
84) Bis(2-ethylhexyl)phtha...	13.921	149	52633	6.344	ng	100
85) Di-n-octyl phthalate	14.521	149	59029	4.477	ng	# 4
87) Indeno(1,2,3-cd)pyrene	16.874	276	61337	3.042	ng	96
88) Benzo(b)fluoranthene	14.980	252	232917	13.990	ng	98
89) Benzo(k)fluoranthene	14.980	252	232917	14.162	ng	99
90) Benzo(a)pyrene	15.345	252	107907	6.796	ng	98
92) Benzo(g,h,i)perylene	17.321	276	55405	3.215	ng	98

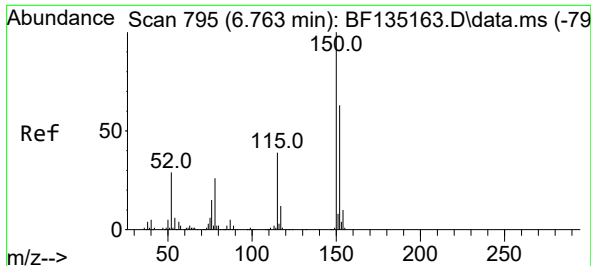
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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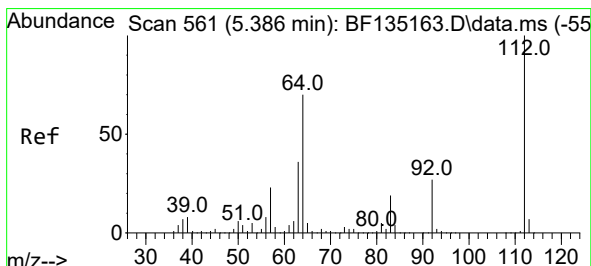
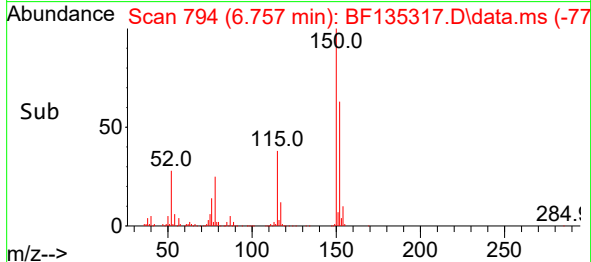
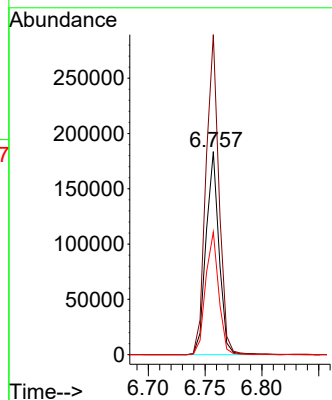
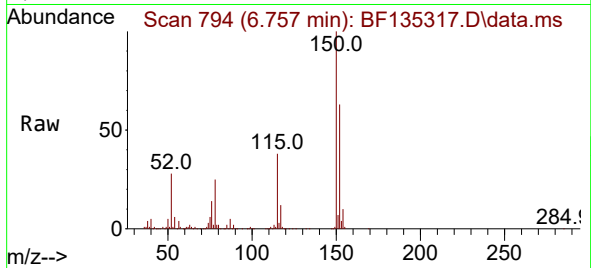




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

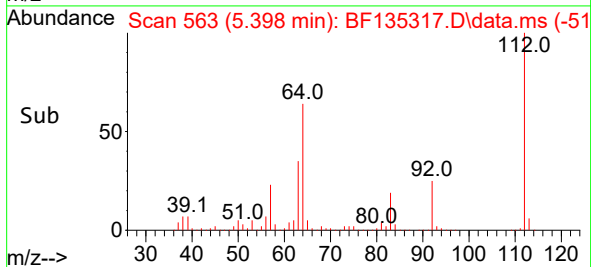
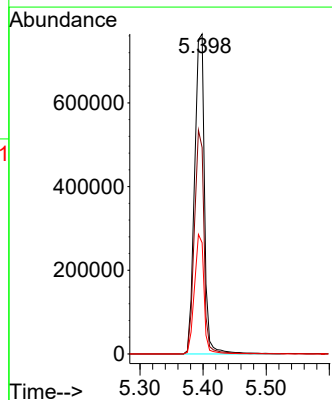
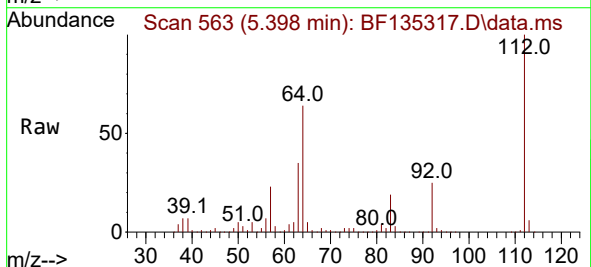
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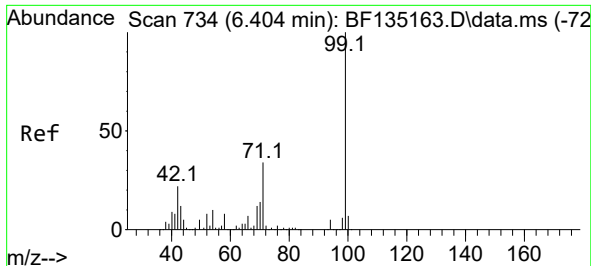
Tgt Ion:152 Resp: 145482
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.8 191.6
 115 60.4 49.8 74.8



#5
 2-Fluorophenol
 Concen: 93.451 ng
 RT: 5.398 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

Tgt Ion:112 Resp: 835899
 Ion Ratio Lower Upper
 112 100
 64 64.5 55.9 83.9
 63 34.8 29.0 43.6

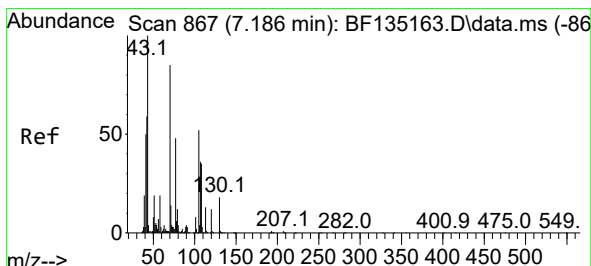
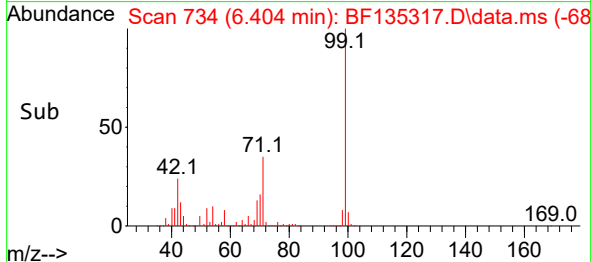
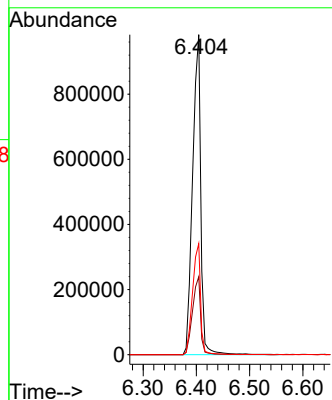
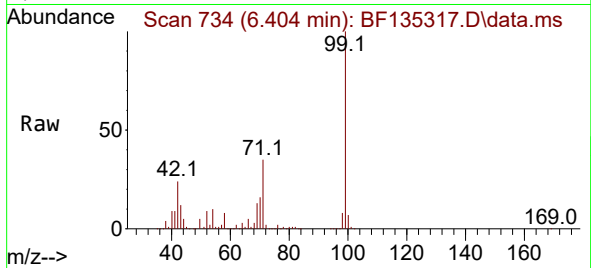




#7
Phenol-d6
Concen: 92.462 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

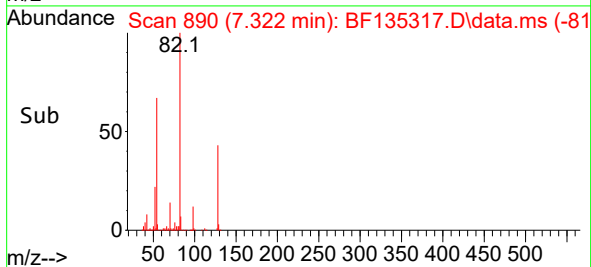
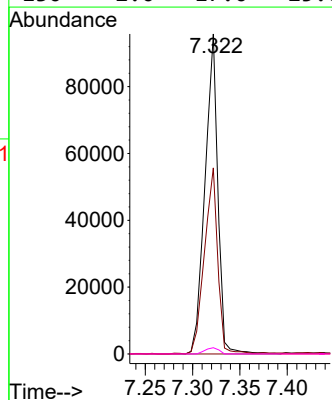
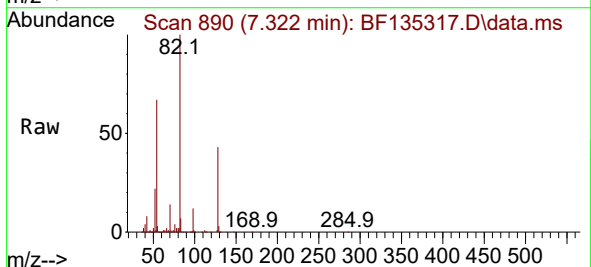
Instrument :
BNA_F
ClientSampleId :
72-11985

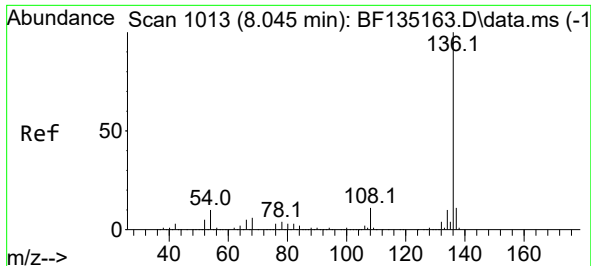
Tgt Ion: 99 Resp: 1051639
Ion Ratio Lower Upper
99 100
42 24.3 17.9 26.9
71 34.7 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.836 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion: 70 Resp: 90428
Ion Ratio Lower Upper
70 100
42 58.2 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

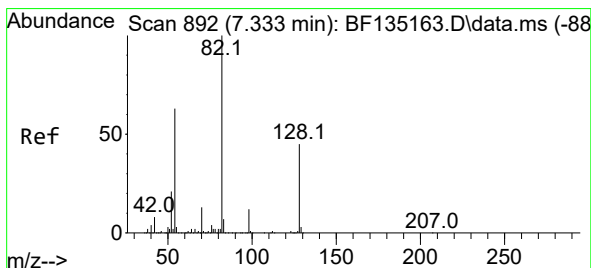
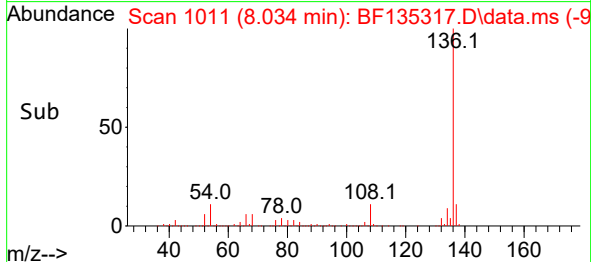
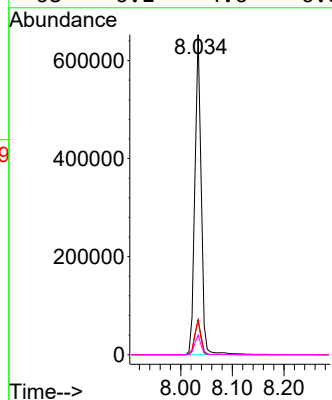
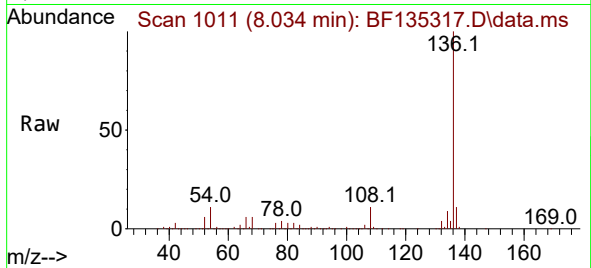




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

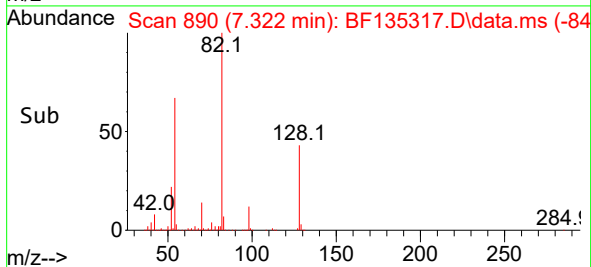
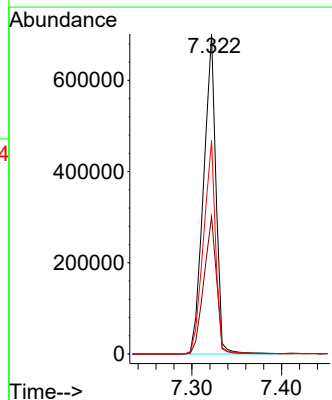
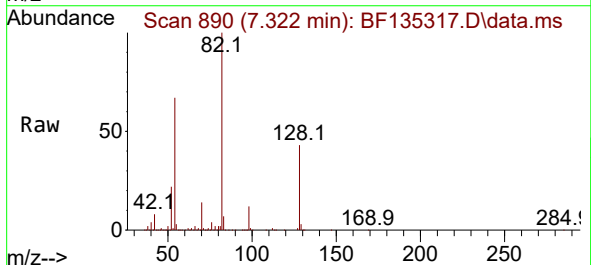
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ClientSampleId :
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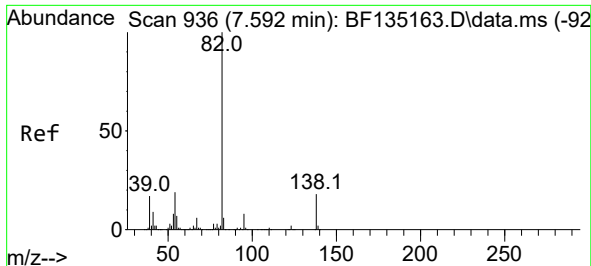
Tgt Ion:136 Resp: 556717
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.8 7.7 11.5
68 6.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 65.824 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion: 82 Resp: 674503
Ion Ratio Lower Upper
82 100
128 42.9 35.8 53.6
54 66.7 50.6 76.0

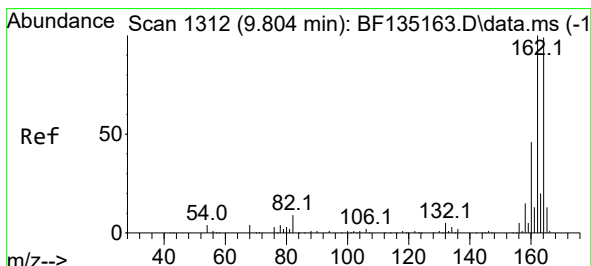
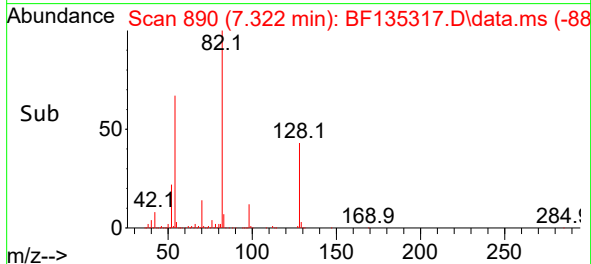
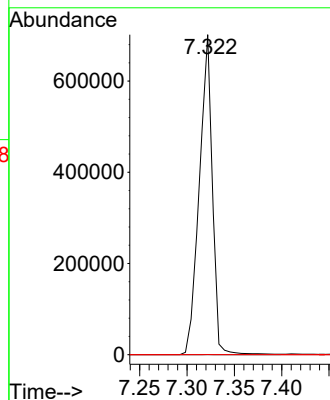
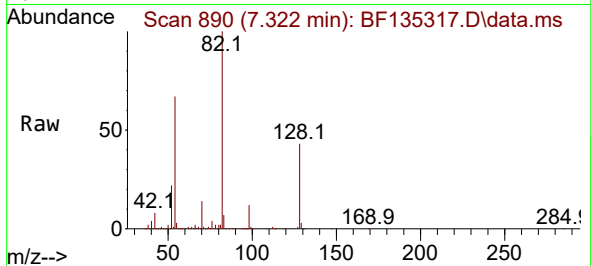




#25
Isophorone
Concen: 35.846 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

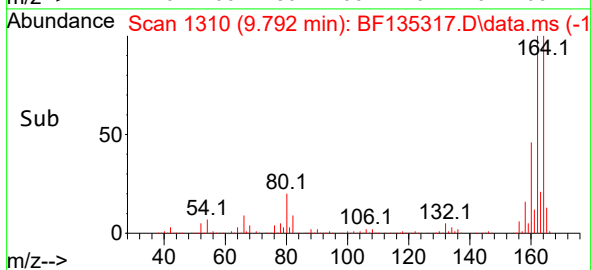
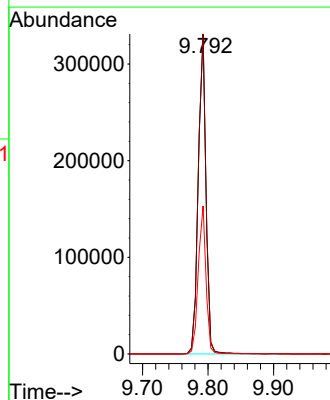
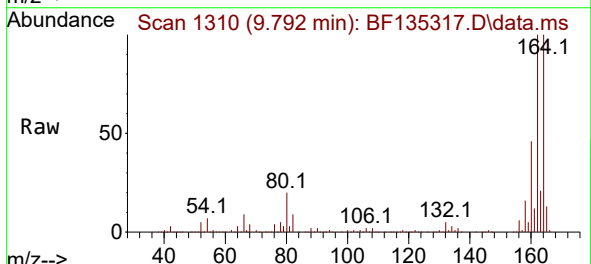
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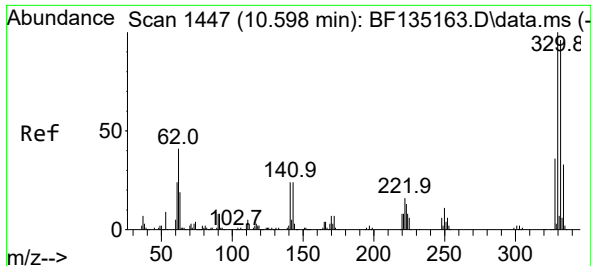
Tgt Ion: 82 Resp: 674492
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion: 164 Resp: 270886
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 46.3 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 88.090 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

Instrument :

BNA_F

ClientSampleId :

72-11985

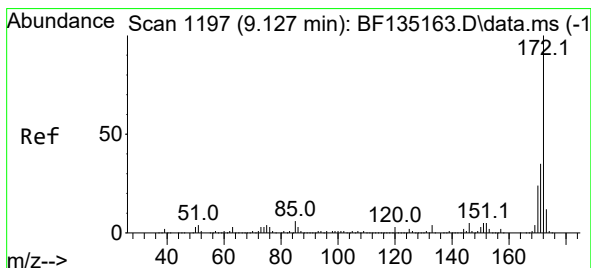
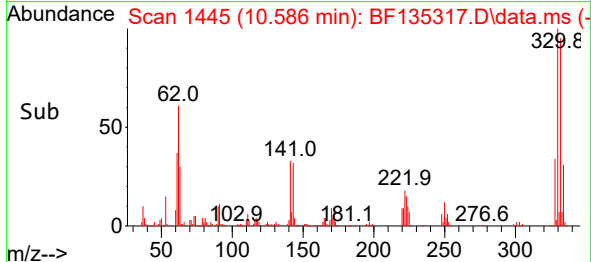
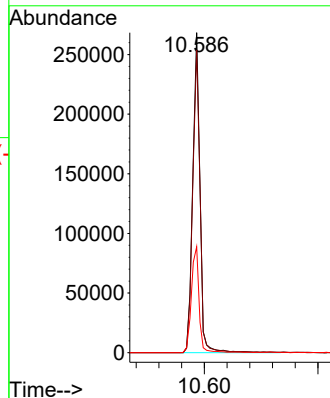
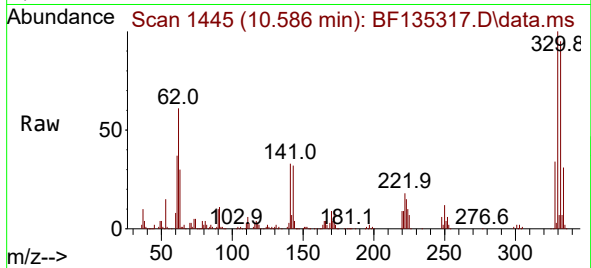
Tgt Ion:330 Resp: 237135

Ion Ratio Lower Upper

330 100

332 95.9 77.3 115.9

141 35.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 66.271 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

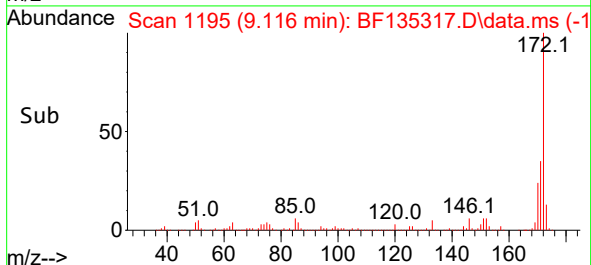
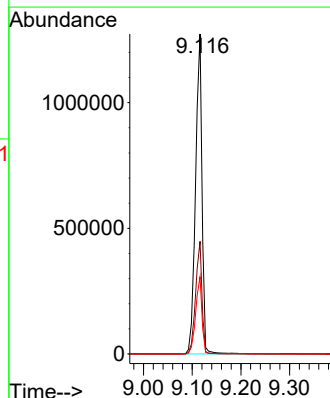
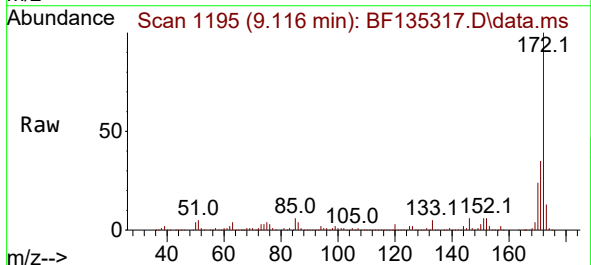
Tgt Ion:172 Resp: 1189879

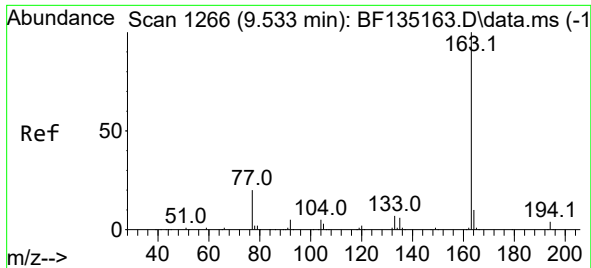
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 24.1 19.0 28.4

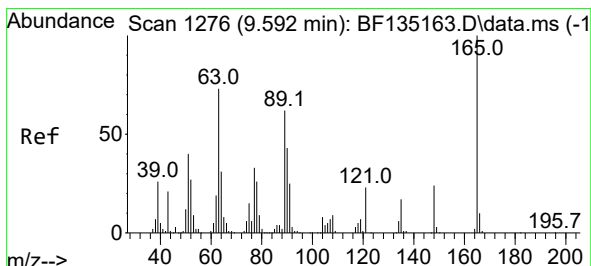
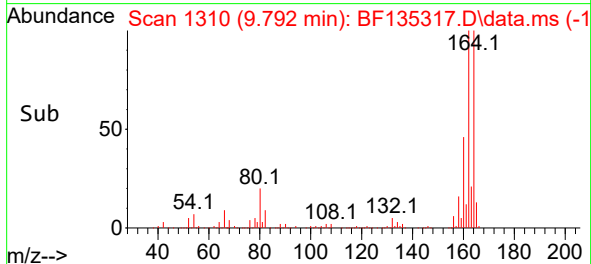
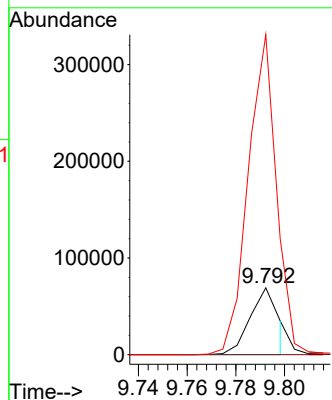
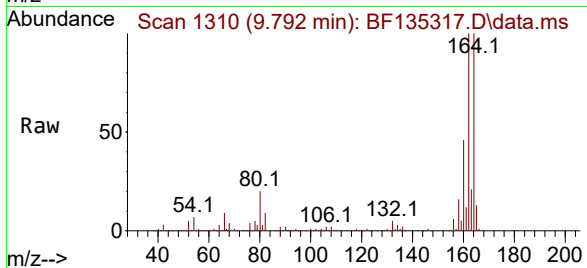




#50
 Dimethylphthalate
 Concen: 3.027 ng
 RT: 9.792 min Scan# 1310
 Delta R.T. 0.259 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

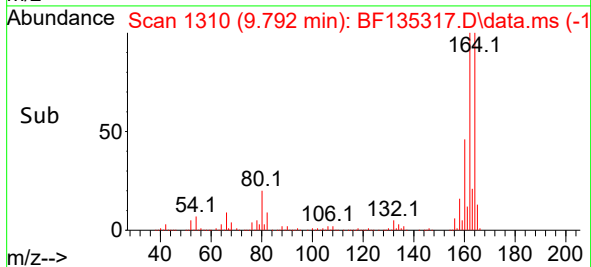
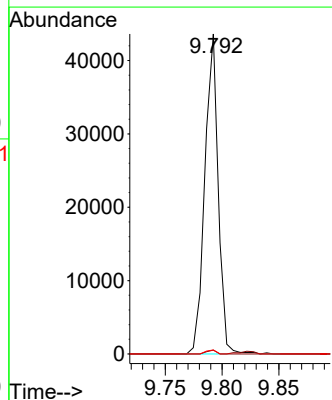
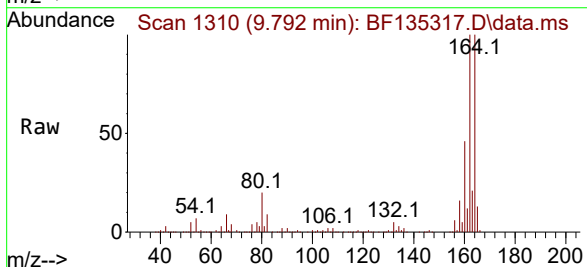
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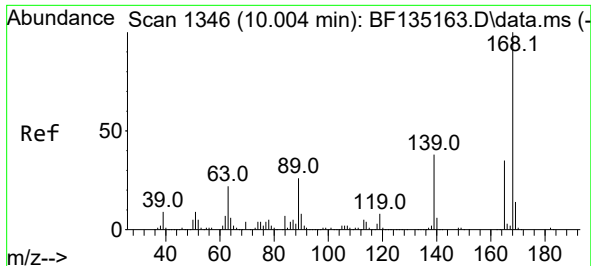
Tgt Ion:163 Resp: 55440
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.1 4.7#
 164 478.4 8.1 12.1#



#51
 2,6-Dinitrotoluene
 Concen: 8.905 ng
 RT: 9.792 min Scan# 1310
 Delta R.T. 0.200 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

Tgt Ion:165 Resp: 35727
 Ion Ratio Lower Upper
 165 100
 63 1.2 59.4 89.2#
 89 1.3 49.8 74.8#

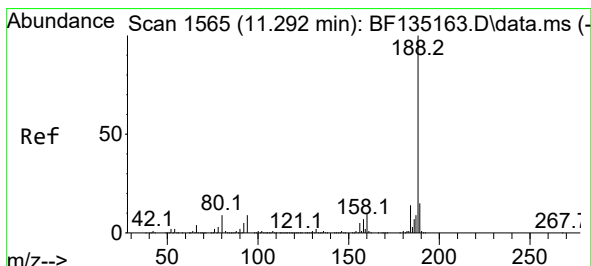
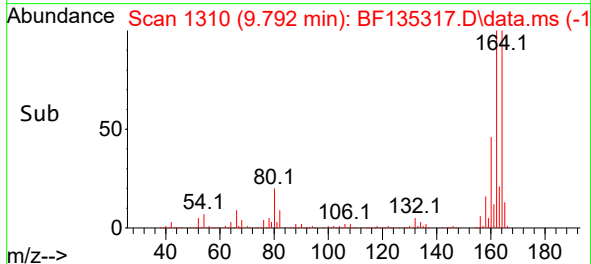
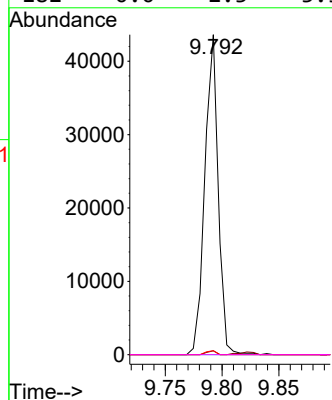
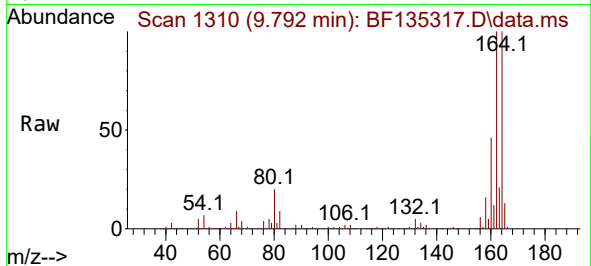




#57
2,4-Dinitrotoluene
Concen: 7.113 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

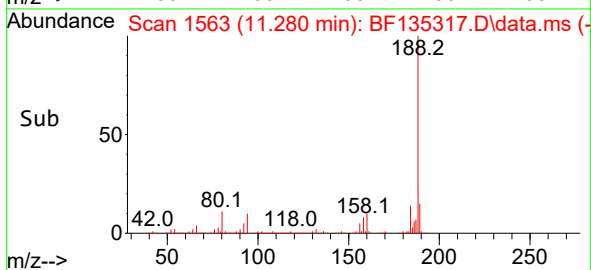
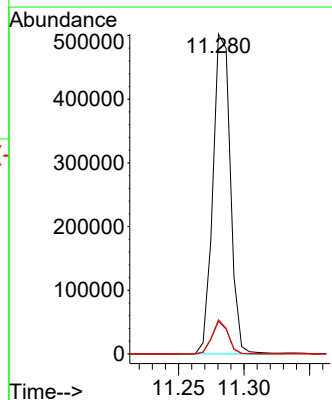
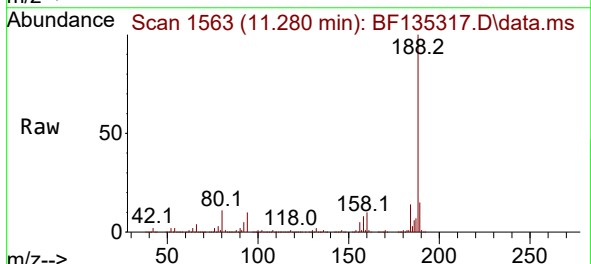
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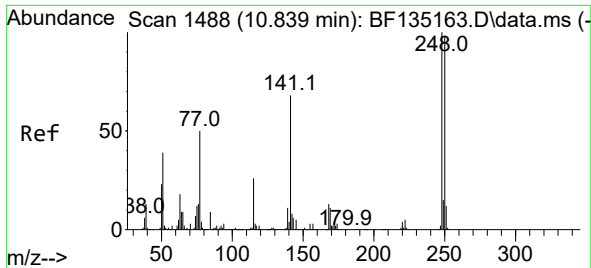
Tgt Ion:165 Resp: 35727
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.3 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion:188 Resp: 465851
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 10.7 7.5 11.3

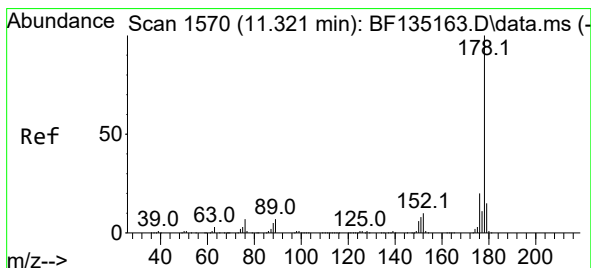
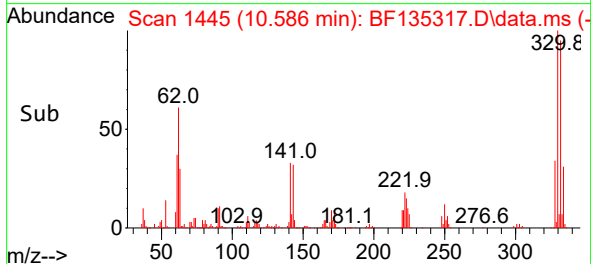
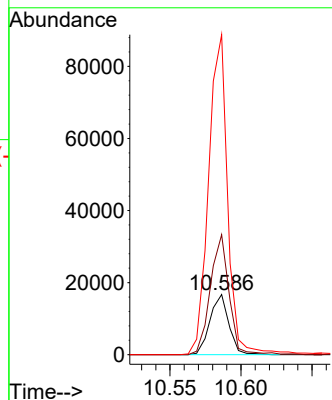
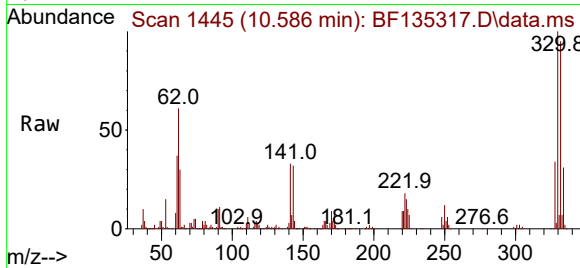




#67
4-Bromophenyl-phenylether
Concen: 3.329 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

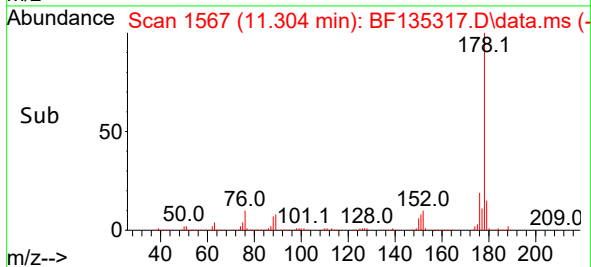
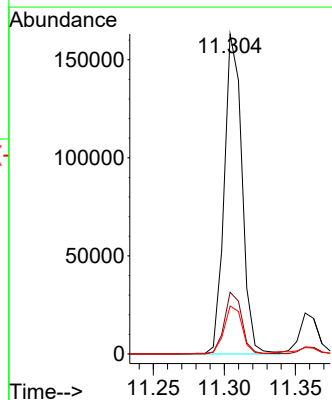
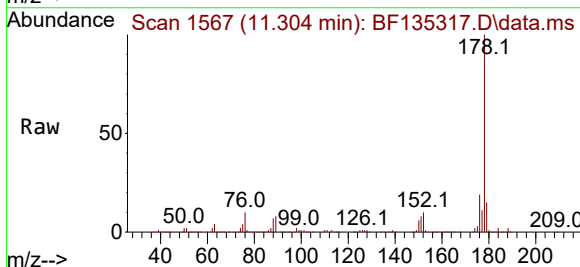
Instrument :
BNA_F
ClientSampleId :
72-11985

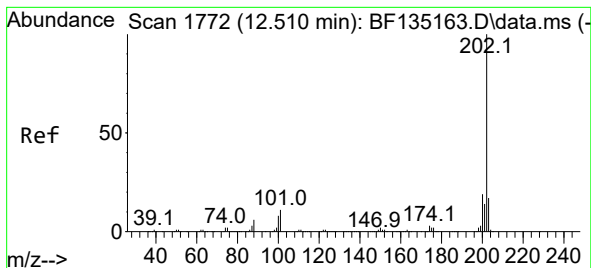
Tgt Ion:248 Resp: 15422
Ion Ratio Lower Upper
248 100
250 199.2 78.6 117.8#
141 531.4 54.2 81.2#



#71
Phenanthrene
Concen: 6.415 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.017 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion:178 Resp: 141335
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.0 12.0 18.0





#75

Fluoranthene

Concen: 12.871 ng

RT: 12.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

Instrument :

BNA_F

ClientSampleId :

72-11985

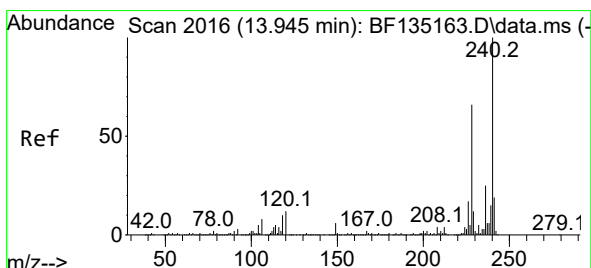
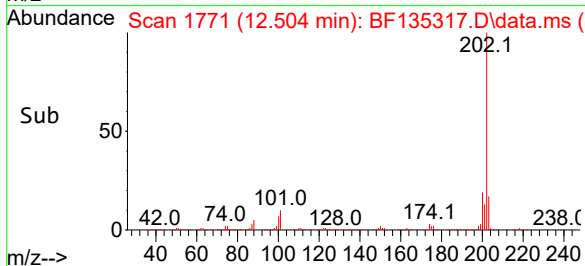
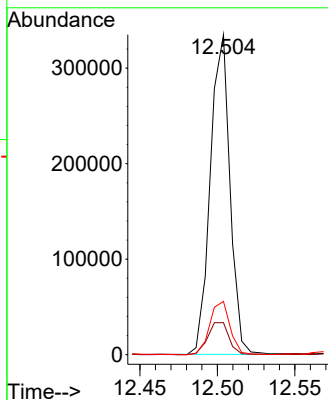
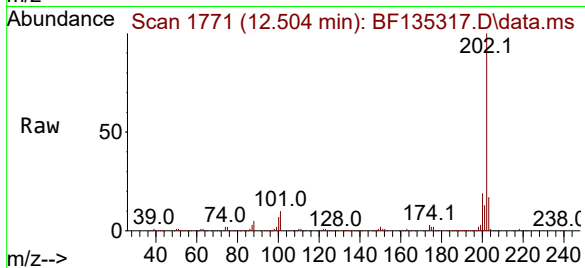
Tgt Ion:202 Resp: 295480

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.3

203 16.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

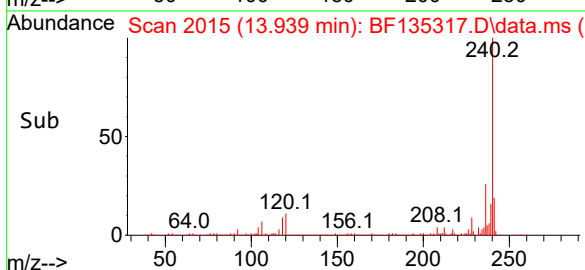
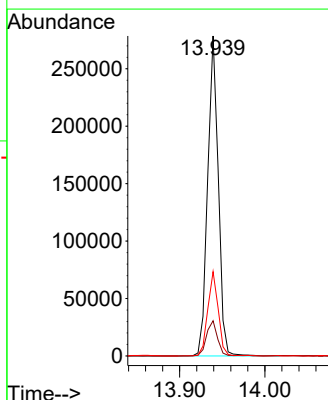
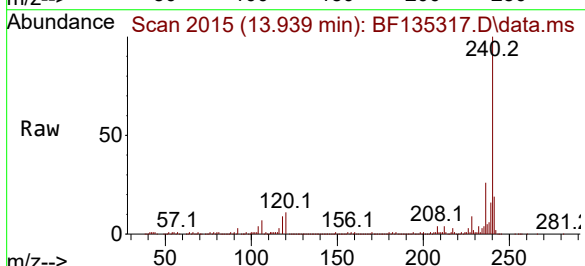
Tgt Ion:240 Resp: 241176

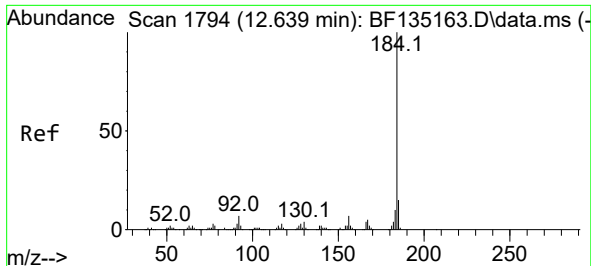
Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 26.3 19.8 29.8

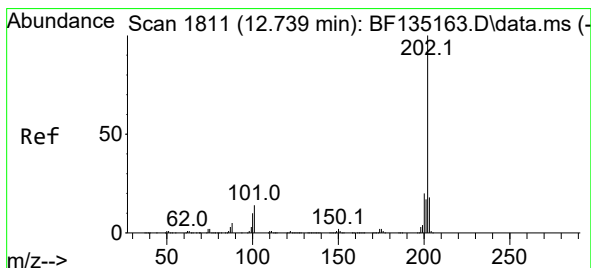
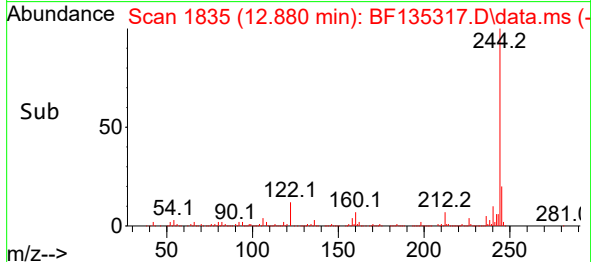
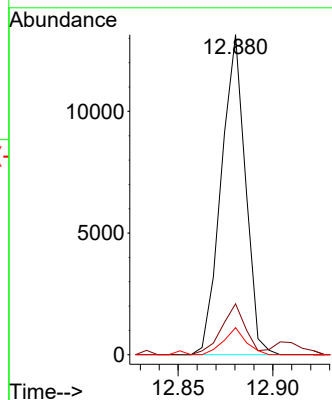
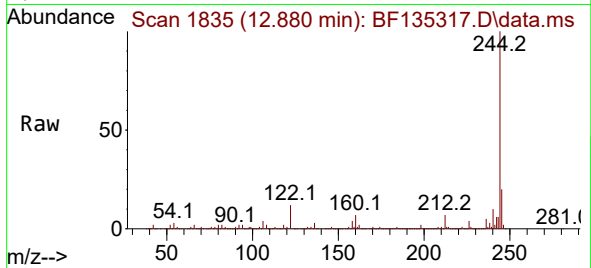




#77
Benzidine
Concen: 2.365 ng
RT: 12.880 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

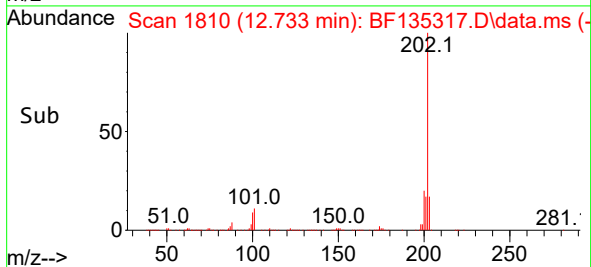
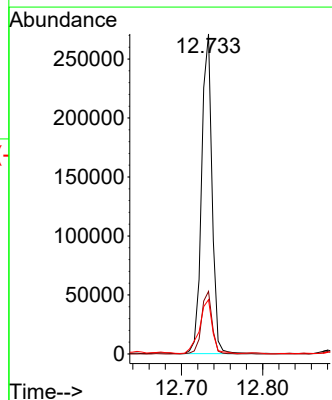
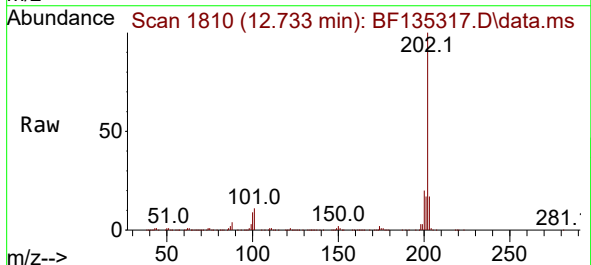
Instrument :
BNA_F
ClientSampleId :
72-11985

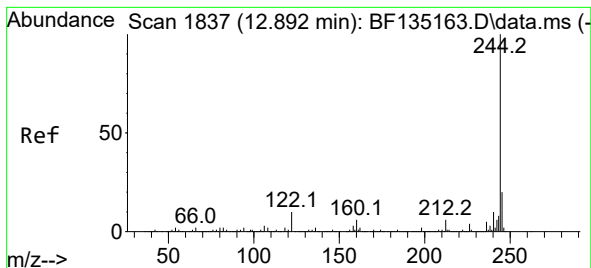
Tgt Ion:184 Resp: 11687
Ion Ratio Lower Upper
184 100
185 15.9 11.7 17.5
183 8.4 8.2 12.4



#78
Pyrene
Concen: 10.580 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion:202 Resp: 242927
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 17.0 14.2 21.4





#79

Terphenyl-d14

Concen: 55.815 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

Instrument :

BNA_F

ClientSampleId :

72-11985

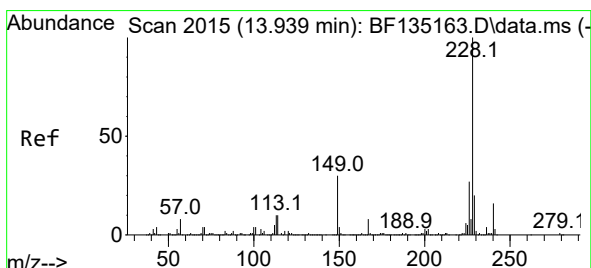
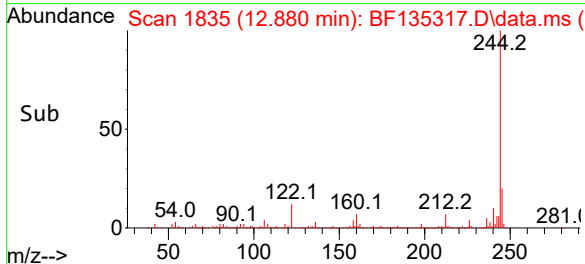
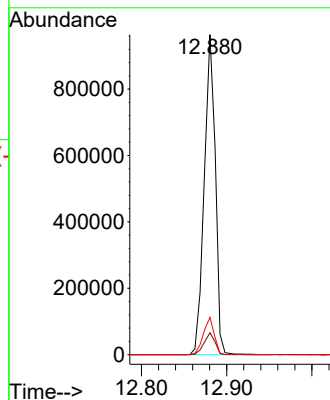
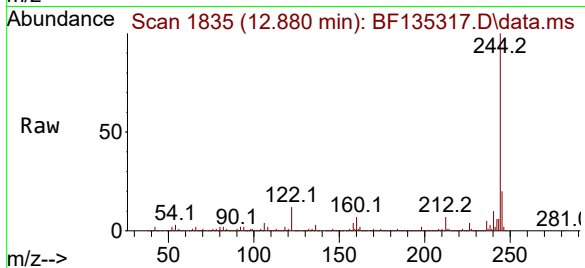
Tgt Ion:244 Resp: 868356

Ion Ratio Lower Upper

244 100

212 6.9 5.1 7.7

122 11.6 7.9 11.9



#81

Benzo(a)anthracene

Concen: 6.256 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

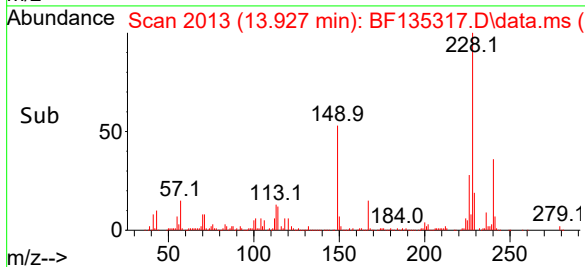
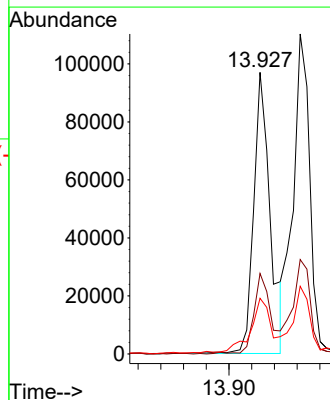
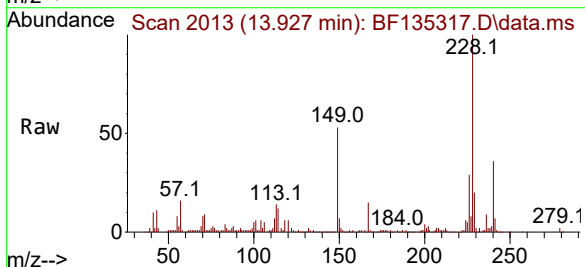
Tgt Ion:228 Resp: 97426

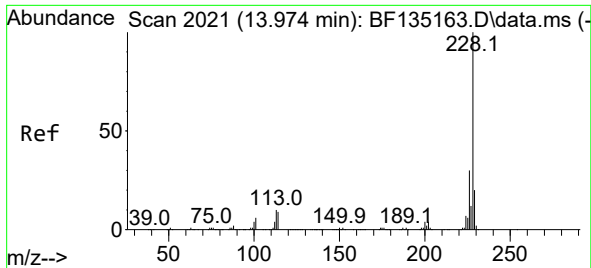
Ion Ratio Lower Upper

228 100

226 28.6 21.7 32.5

229 19.8 15.8 23.8





#83

Chrysene

Concen: 7.242 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

Instrument :

BNA_F

ClientSampleId :

72-11985

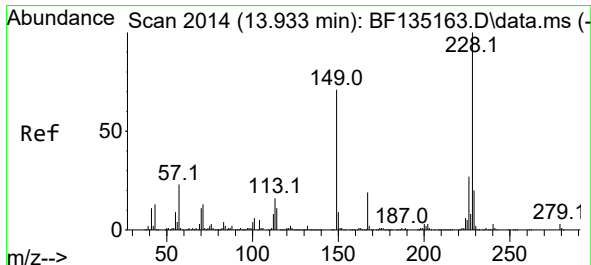
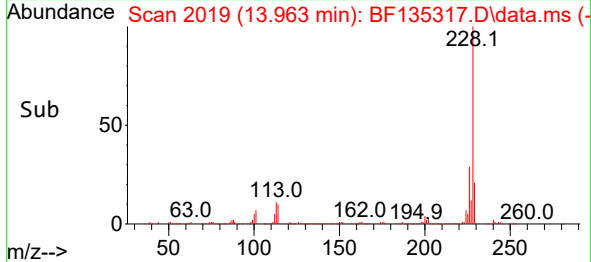
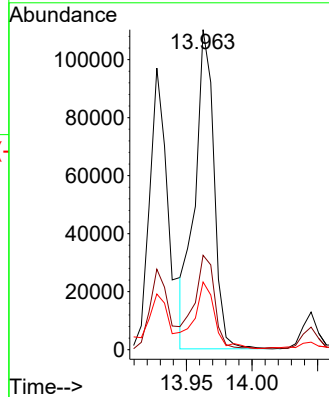
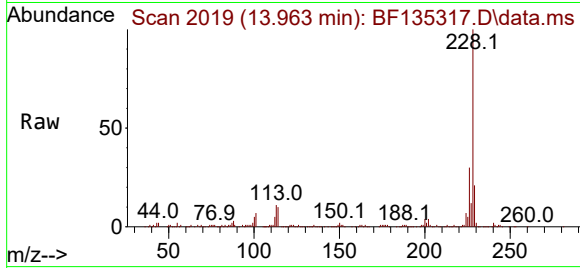
Tgt Ion:228 Resp: 112127

Ion Ratio Lower Upper

228 100

226 29.5 24.3 36.5

229 21.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.344 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

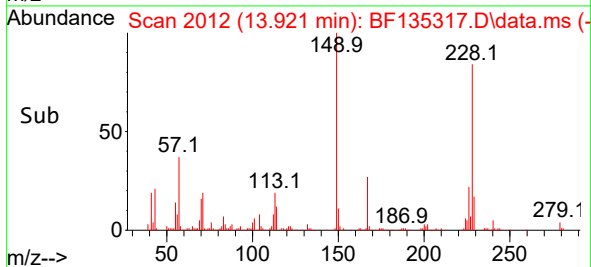
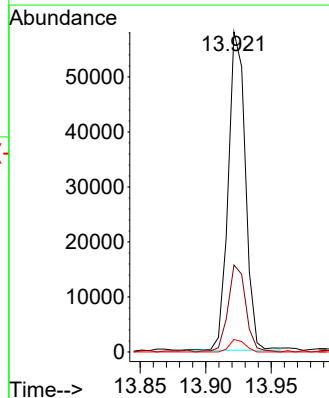
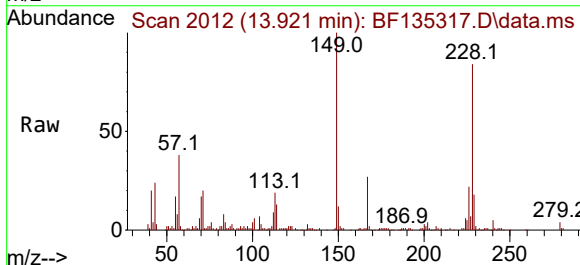
Tgt Ion:149 Resp: 52633

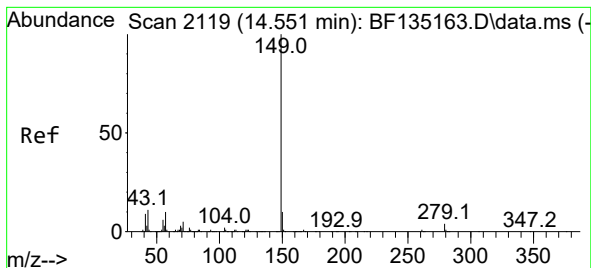
Ion Ratio Lower Upper

149 100

167 27.2 21.9 32.9

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 4.477 ng

RT: 14.521 min Scan# 2114

Delta R.T. -0.029 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

Instrument :

BNA_F

ClientSampleId :

72-11985

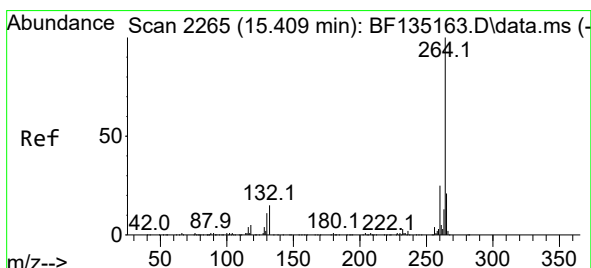
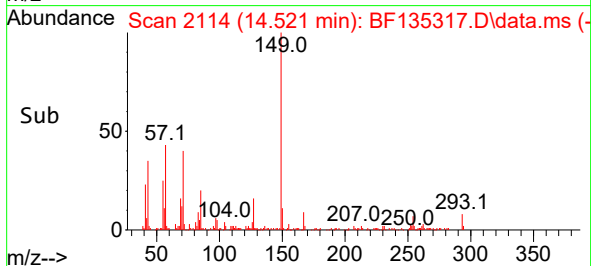
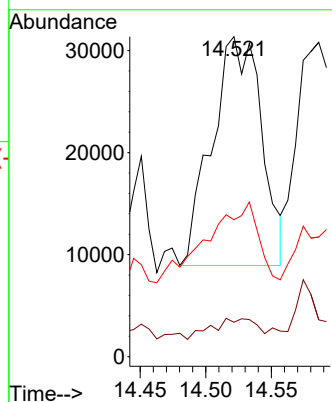
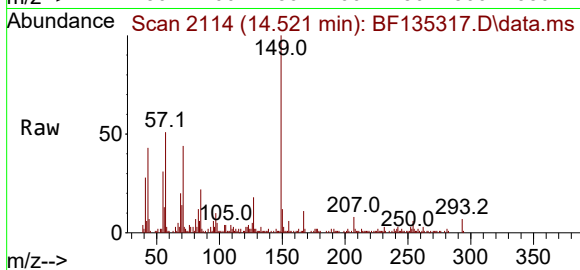
Tgt Ion:149 Resp: 59029

Ion Ratio Lower Upper

149 100

167 14.4 1.1 1.7#

43 52.5 9.8 14.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

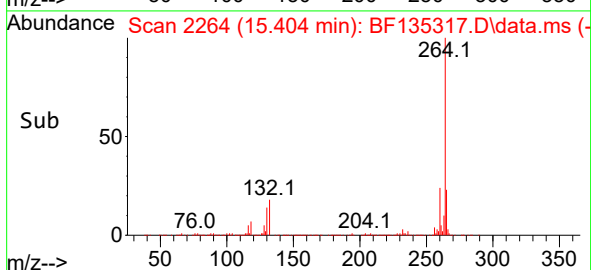
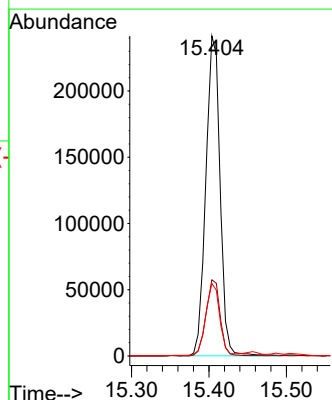
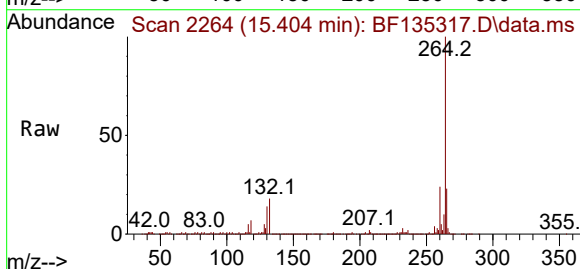
Tgt Ion:264 Resp: 307553

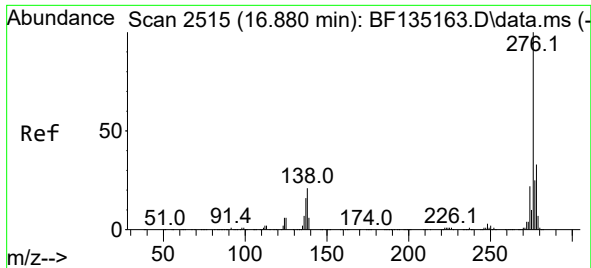
Ion Ratio Lower Upper

264 100

260 23.8 19.8 29.6

265 22.7 17.0 25.4

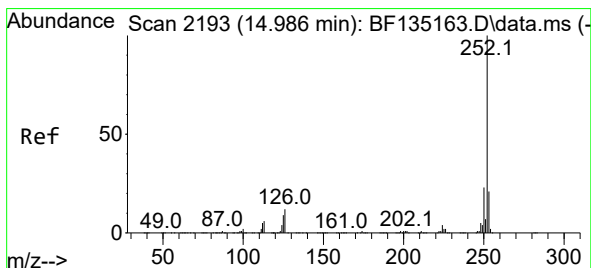
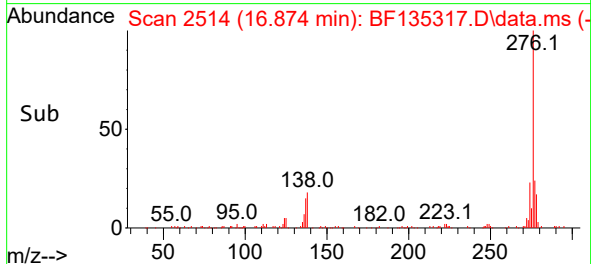
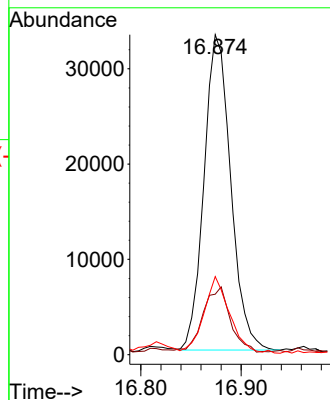
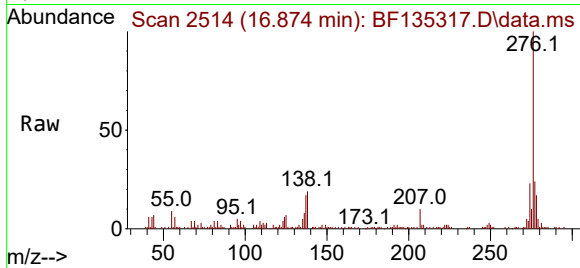




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.042 ng
RT: 16.874 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

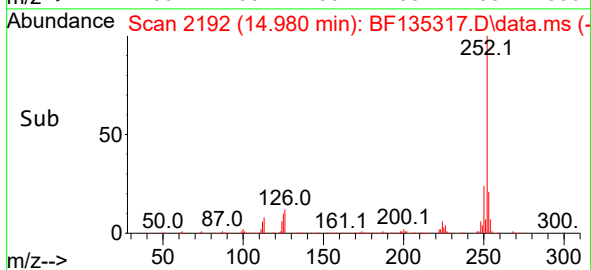
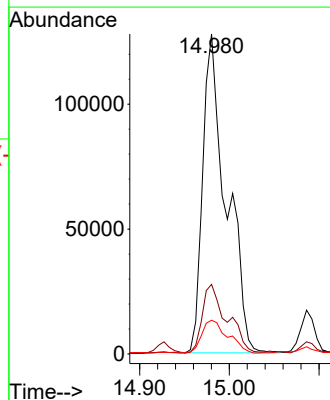
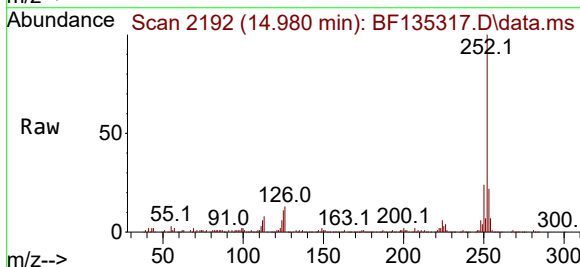
Instrument :
BNA_F
ClientSampleId :
72-11985

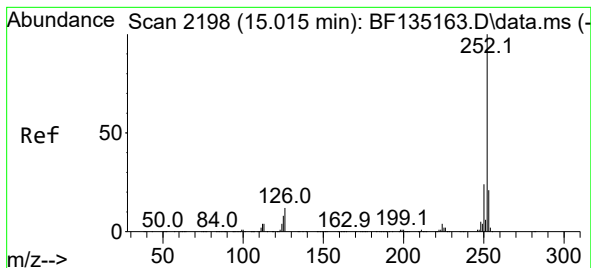
Tgt Ion:276 Resp: 61337
Ion Ratio Lower Upper
276 100
138 21.6 19.2 28.8
277 23.5 19.7 29.5



#88
Benzo(b)fluoranthene
Concen: 13.990 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion:252 Resp: 232917
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 10.6 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 14.162 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

Instrument :

BNA_F

ClientSampleId :

72-11985

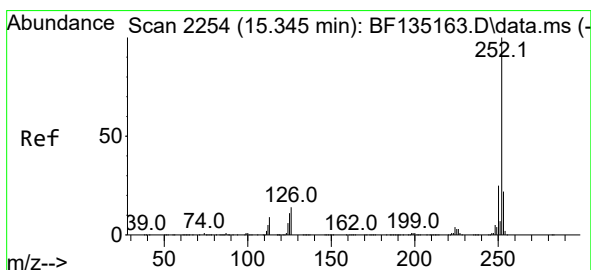
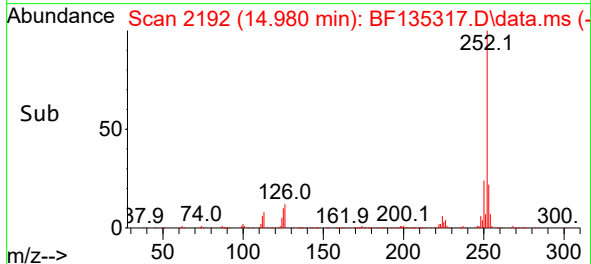
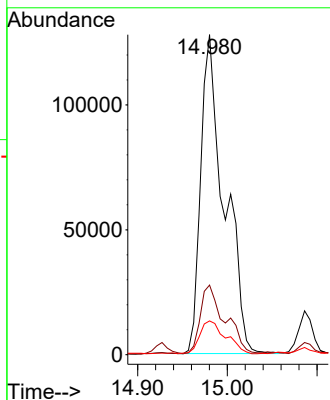
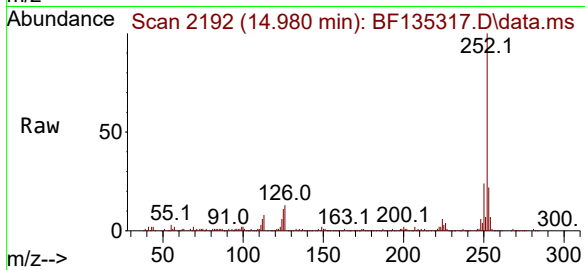
Tgt Ion:252 Resp: 232917

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 10.6 7.2 10.8



#90

Benzo(a)pyrene

Concen: 6.796 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

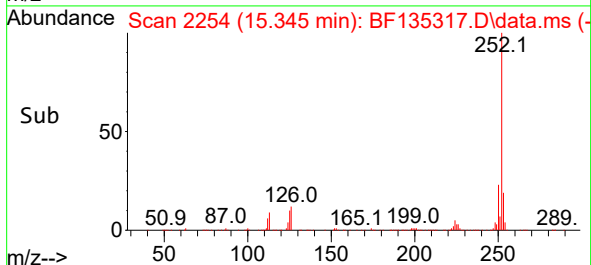
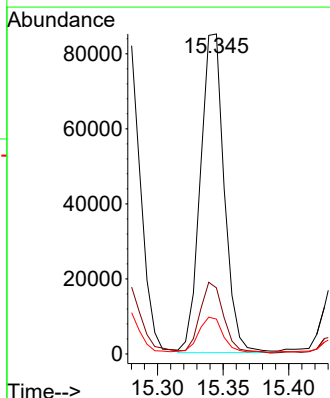
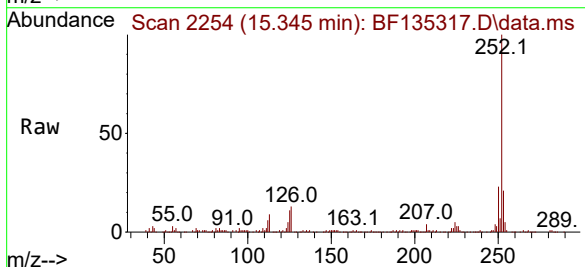
Tgt Ion:252 Resp: 107907

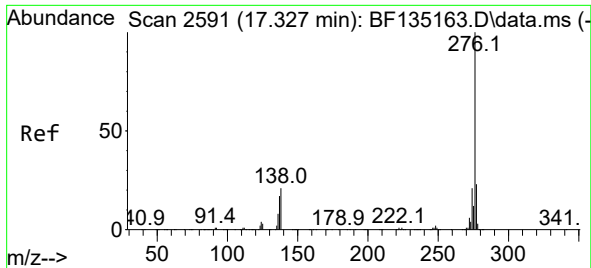
Ion Ratio Lower Upper

252 100

253 20.6 17.5 26.3

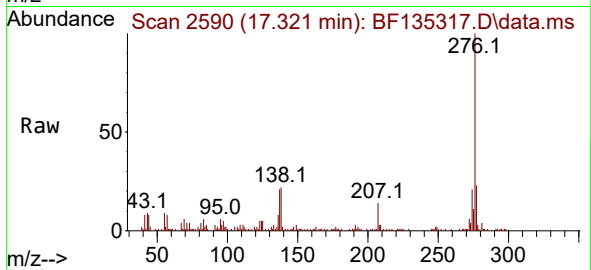
125 10.9 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.215 ng
 RT: 17.321 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

Instrument :
 BNA_F
 ClientSampleId :
 72-11985



Tgt Ion:276 Resp: 55405
 Ion Ratio Lower Upper
 276 100
 277 23.3 18.8 28.2
 138 22.4 16.9 25.3

