

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135294.D
 Acq On : 15 Sep 2023 23:07
 Operator : CG\JU
 Sample : 04401-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH110

Quant Time: Sep 16 01:57:08 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)

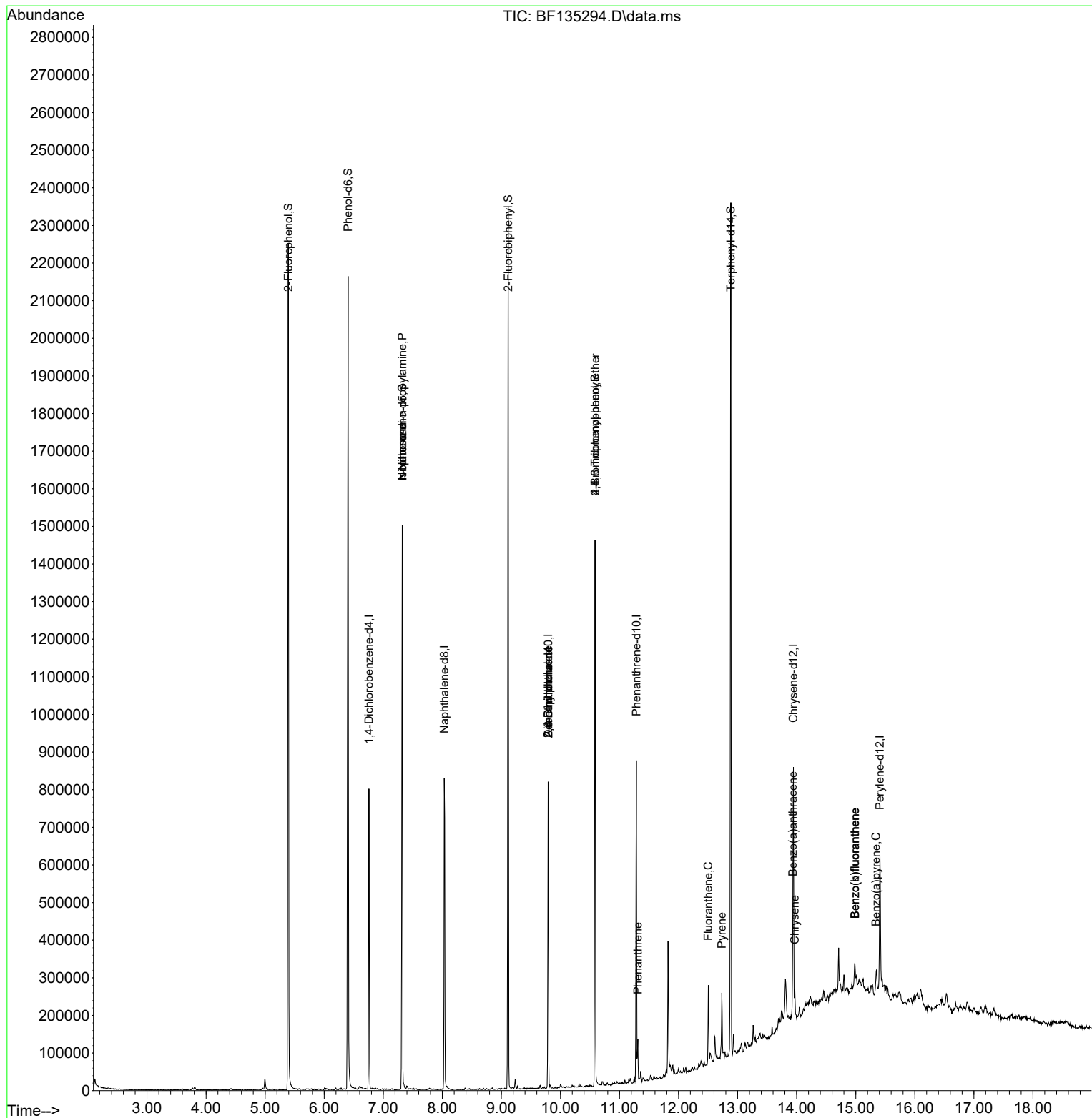
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	100762	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	352814	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	146004	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	297413	20.000	ng	0.00
76) Chrysene-d12	13.945	240	217616	20.000	ng	0.00
86) Perylene-d12	15.409	264	169636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	570728	92.124	ng	0.00
7) Phenol-d6	6.404	99	683299	86.740	ng	0.00
23) Nitrobenzene-d5	7.322	82	417968	64.362	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	155033	106.851	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	667605	68.986	ng	-0.01
79) Terphenyl-d14	12.886	244	780919	55.629	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	55511	11.377	ng	# 78
25) Isophorone	7.322	82	417965	35.051	ng	# 65
50) Dimethylphthalate	9.792	163	27729	2.809	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	18615	8.608	ng	# 18
57) 2,4-Dinitrotoluene	9.792	165	18615	6.876	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	10078	3.407	ng	# 1
71) Phenanthrene	11.310	178	37315	2.653	ng	99
75) Fluoranthene	12.504	202	77129	5.262	ng	98
78) Pyrene	12.733	202	68142	3.289	ng	99
81) Benzo(a)anthracene	13.933	228	36189	2.575	ng	97
83) Chrysene	13.968	228	31828	2.278	ng	95
88) Benzo(b)fluoranthene	14.986	252	41417	4.510	ng	# 89
89) Benzo(k)fluoranthene	14.986	252	41417	4.566	ng	# 89
90) Benzo(a)pyrene	15.345	252	22052	2.518	ng	# 92

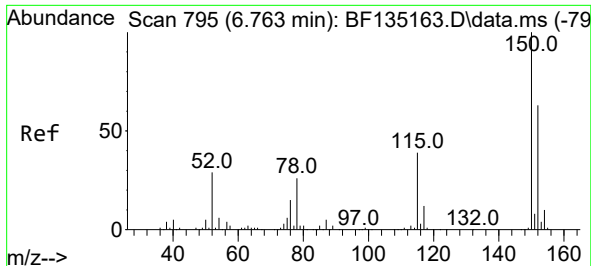
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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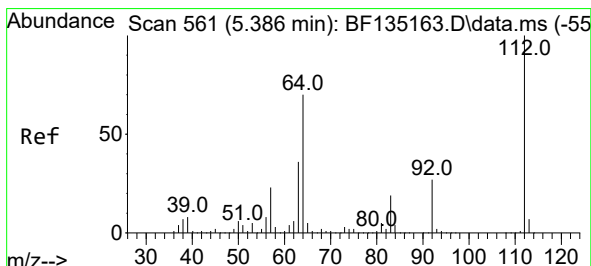
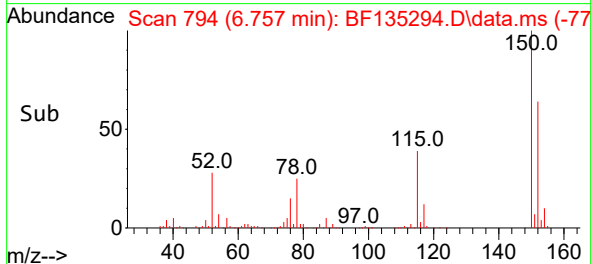
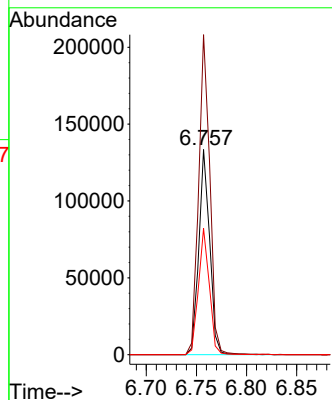
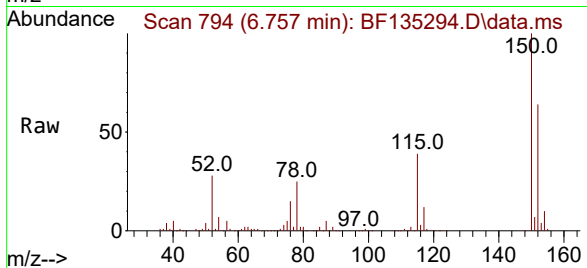




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

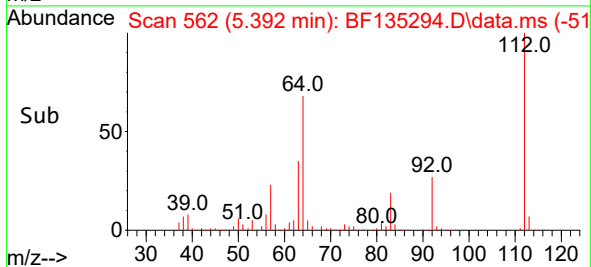
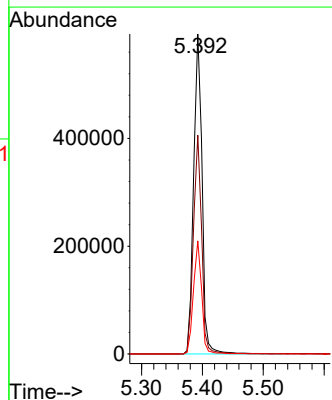
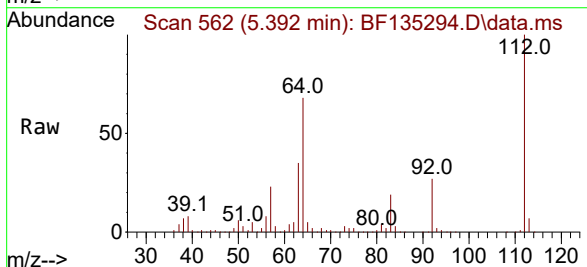
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BNA_F
ClientSampleId :
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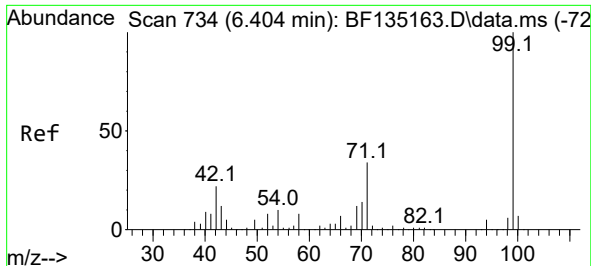
Tgt Ion:152 Resp: 100762
Ion Ratio Lower Upper
152 100
150 156.0 127.8 191.6
115 61.6 49.8 74.8



#5
2-Fluorophenol
Concen: 92.124 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:112 Resp: 570728
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 35.4 29.0 43.6

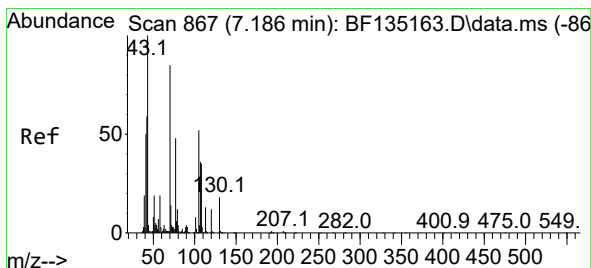
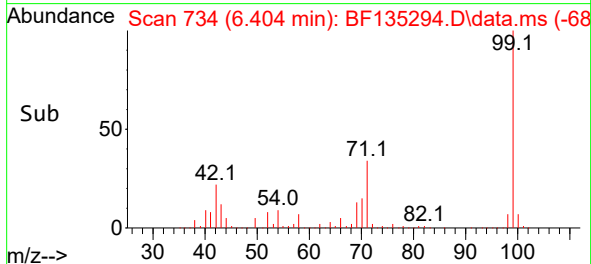
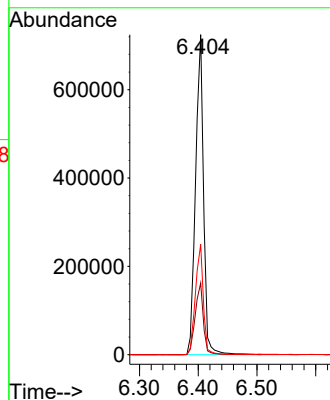
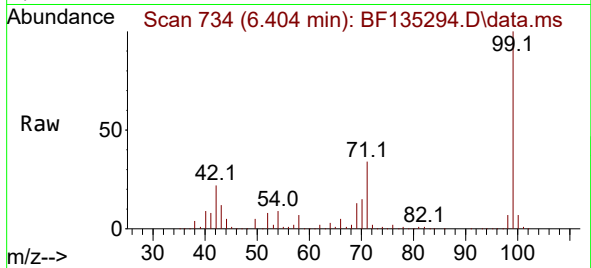




#7
Phenol-d6
Concen: 86.740 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

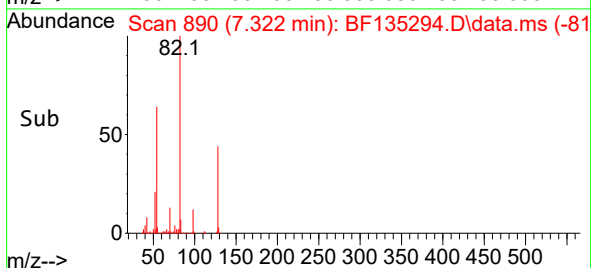
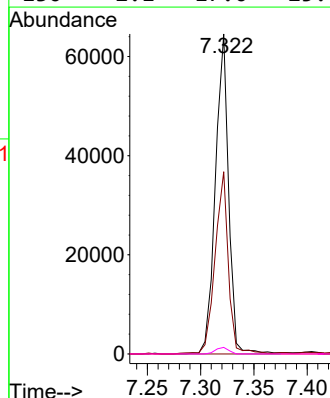
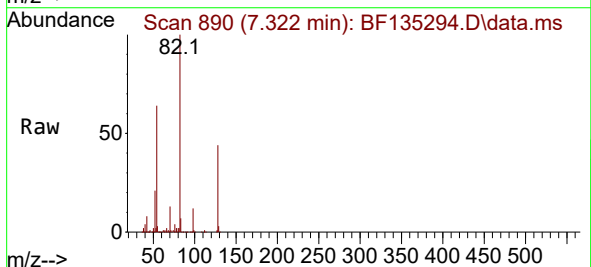
Instrument :
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ClientSampleId :
MH110

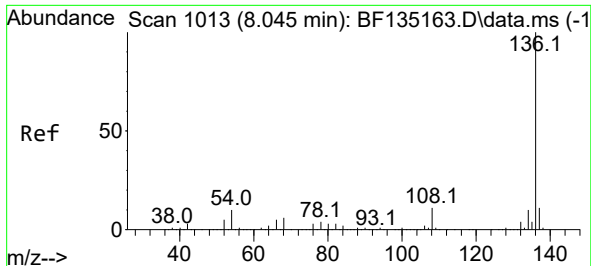
Tgt Ion: 99 Resp: 683299
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.377 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion: 70 Resp: 55511
Ion Ratio Lower Upper
70 100
42 57.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

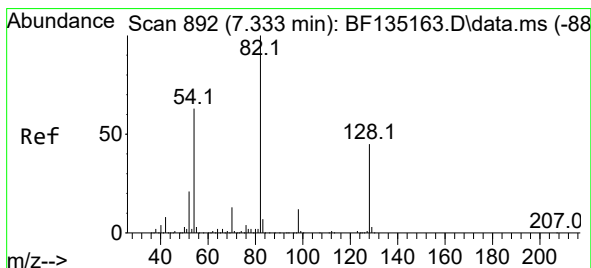
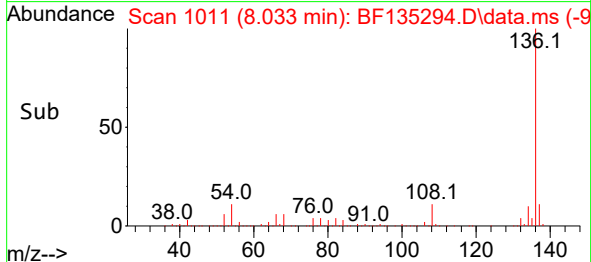
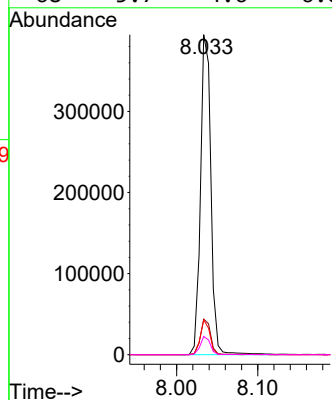
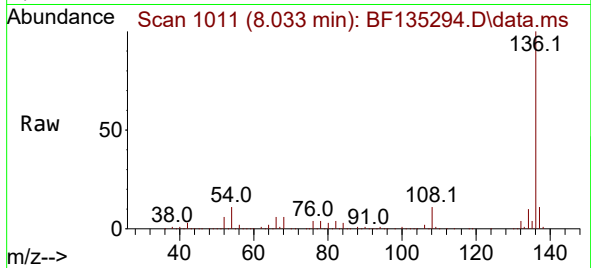




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

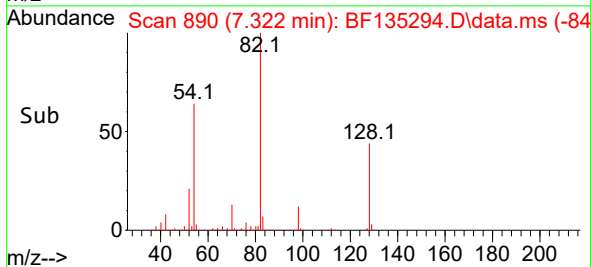
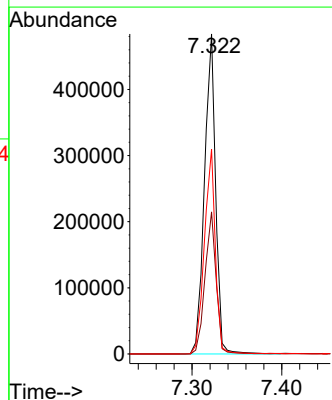
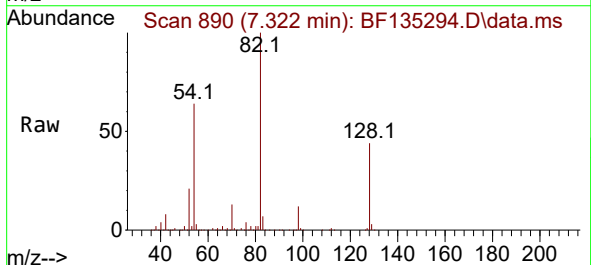
Instrument :
BNA_F
ClientSampleId :
MH110

Tgt	Ion:136	Resp:	352814
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.9	7.7	11.5
68	5.7	4.6	6.8



#23
Nitrobenzene-d5
Concen: 64.362 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion: 82	Resp: 417968
Ion Ratio	Lower Upper
82 100	
128 44.4	35.8 53.6
54 64.0	50.6 76.0

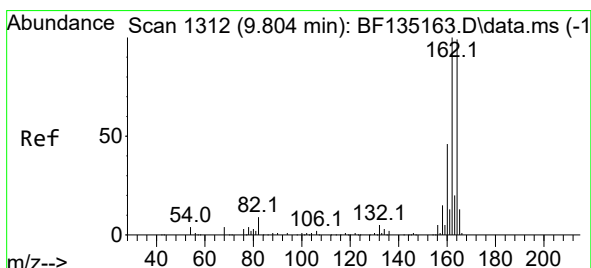
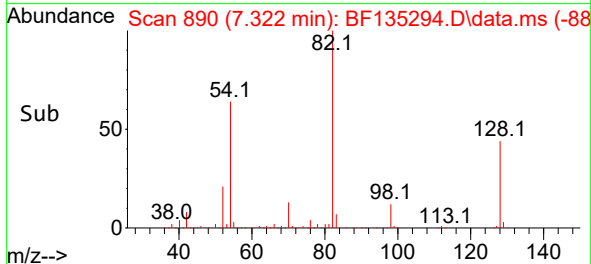
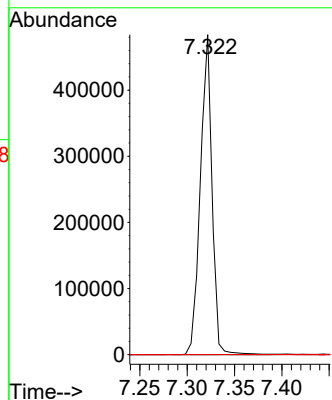
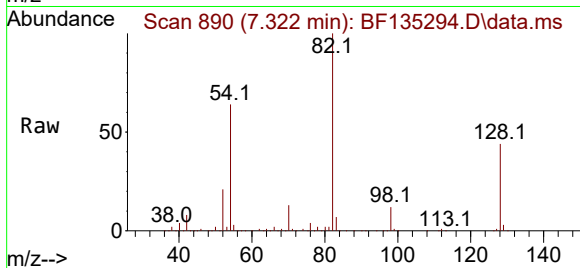




#25
Isophorone
Concen: 35.051 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

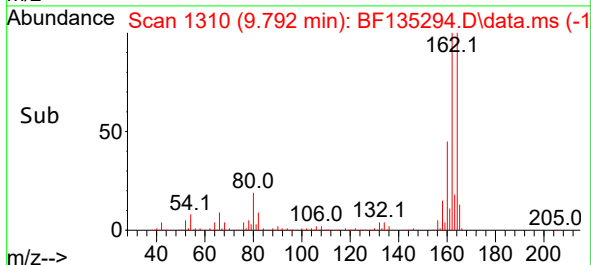
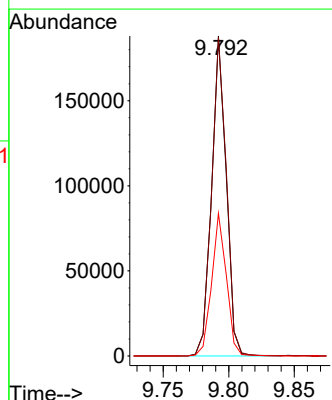
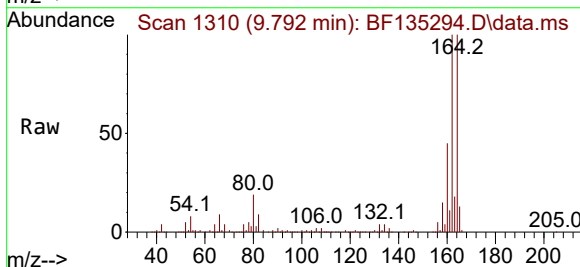
Instrument :
BNA_F
ClientSampleId :
MH110

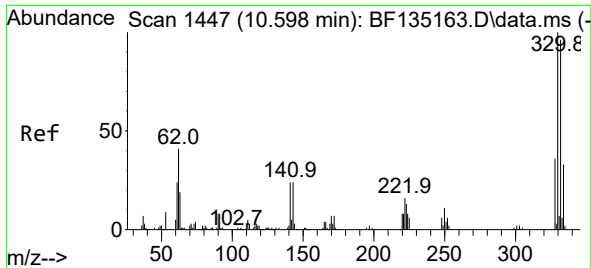
Tgt Ion: 82 Resp: 417965
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:164 Resp: 146004
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.4
160 44.6 37.0 55.4

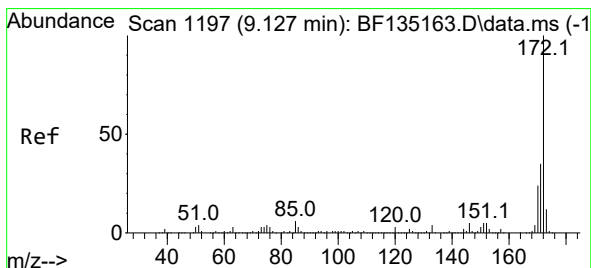
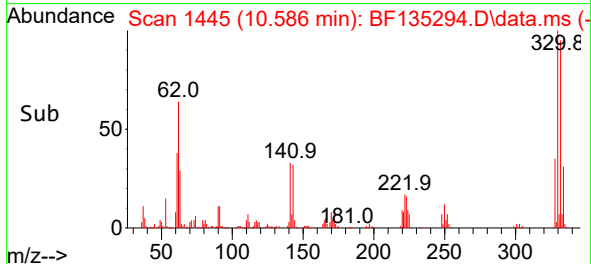
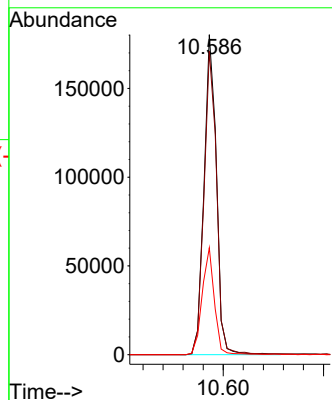
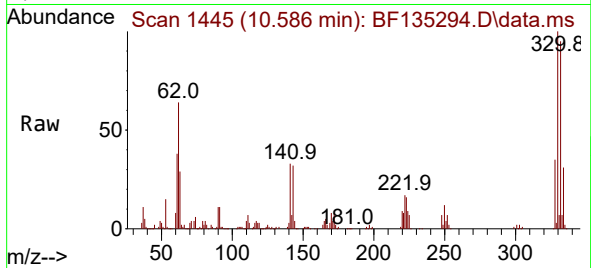




#42
2,4,6-Tribromophenol
Concen: 106.851 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

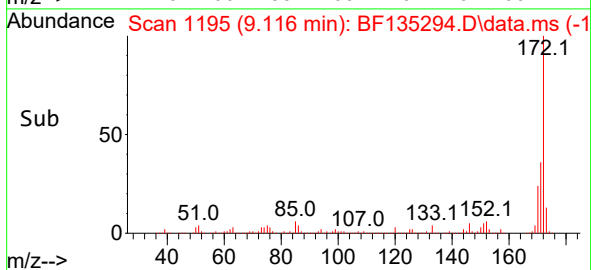
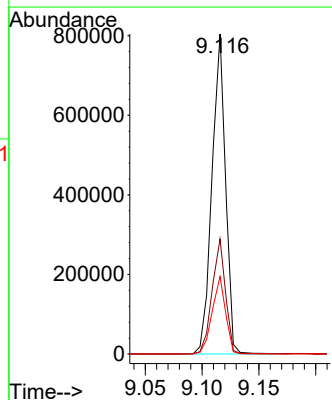
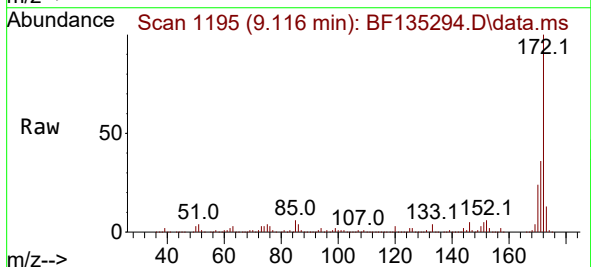
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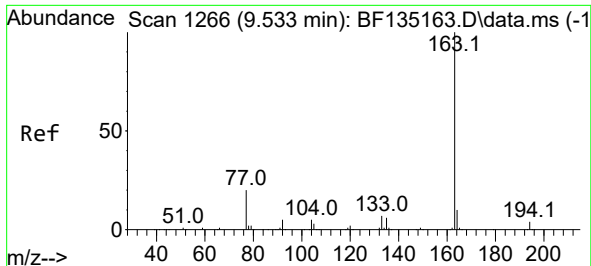
Tgt Ion:330 Resp: 155033
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 68.986 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:172 Resp: 667605
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 24.2 19.0 28.4

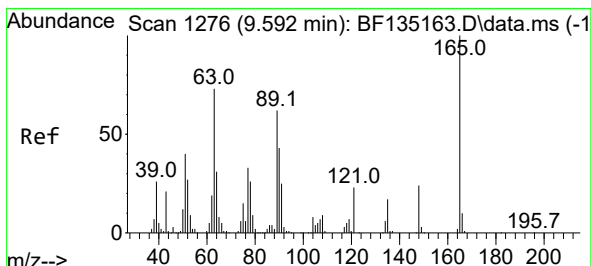
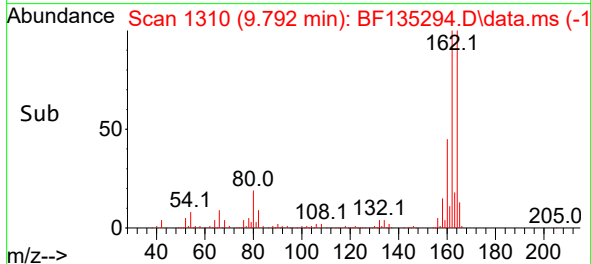
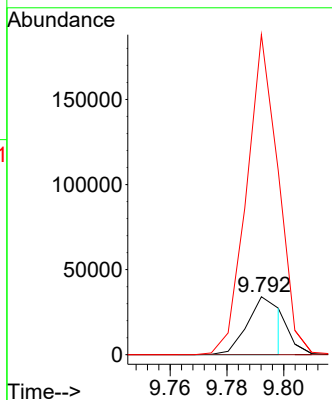
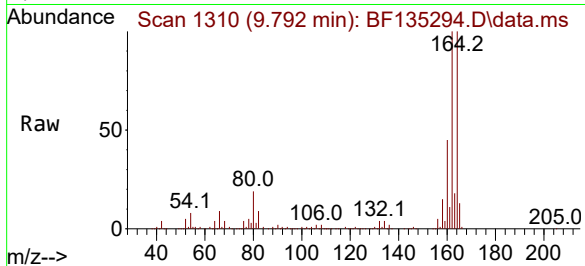




#50
Dimethylphthalate
Concen: 2.809 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

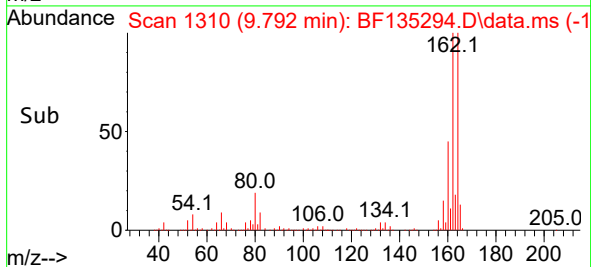
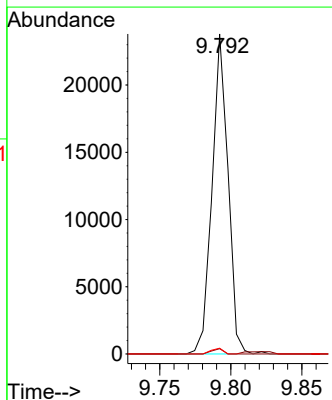
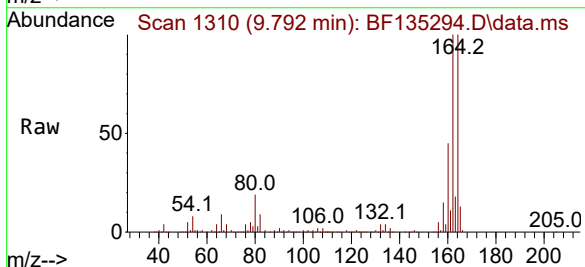
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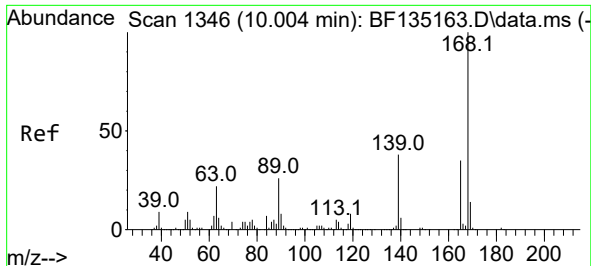
Tgt Ion:163 Resp: 27729
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 552.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.608 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:165 Resp: 18615
Ion Ratio Lower Upper
165 100
63 1.7 59.4 89.2#
89 1.8 49.8 74.8#





#57

2,4-Dinitrotoluene

Concen: 6.876 ng

RT: 9.792 min Scan# 1

Delta R.T. -0.212 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

Instrument :

BNA_F

ClientSampleId :

MH110

Tgt Ion:165 Resp: 18615

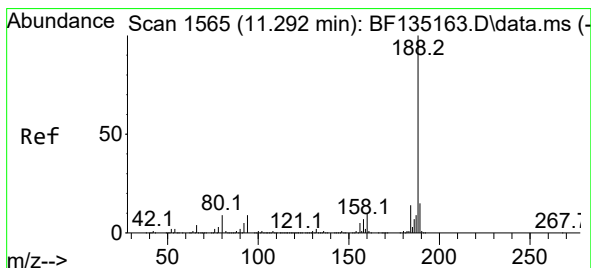
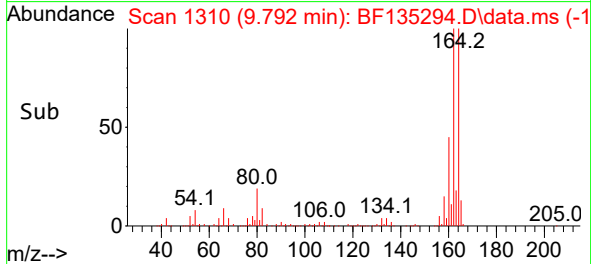
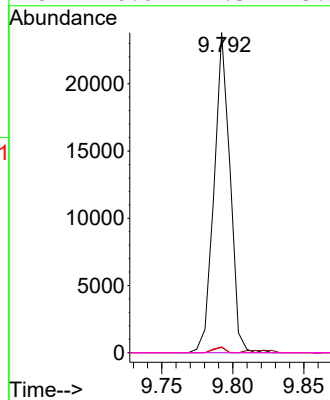
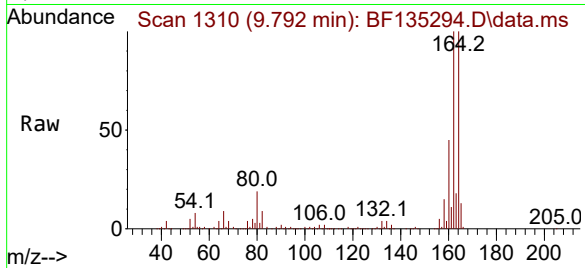
Ion Ratio Lower Upper

165 100

63 1.7 50.1 75.1#

89 1.8 59.3 88.9#

182 0.0 2.3 3.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

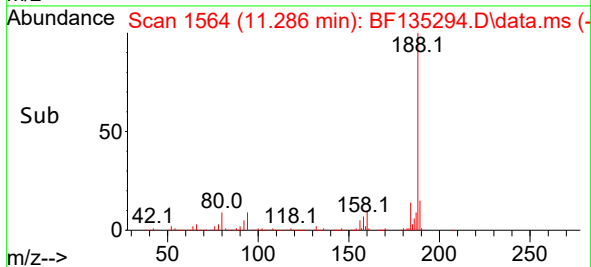
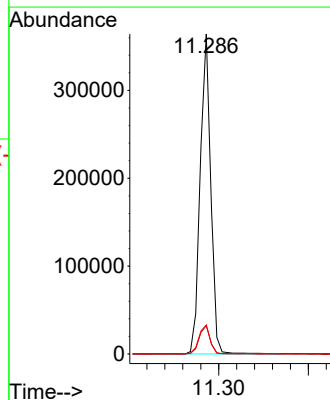
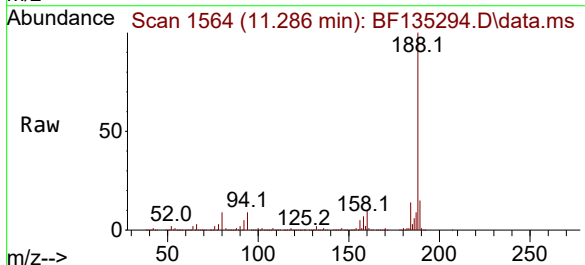
Tgt Ion:188 Resp: 297413

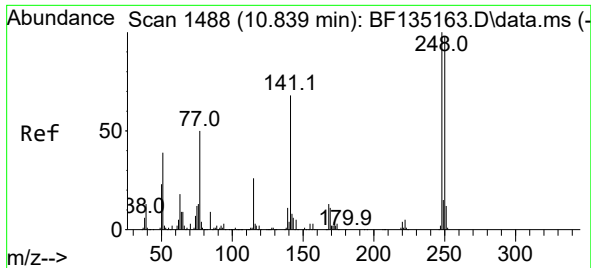
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

80 9.0 7.5 11.3

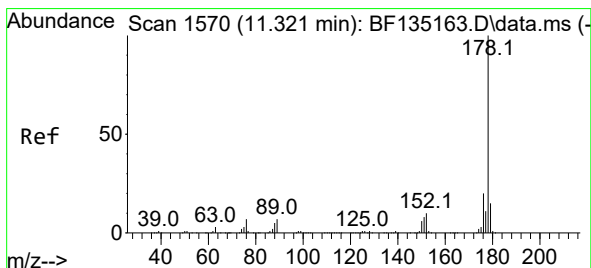
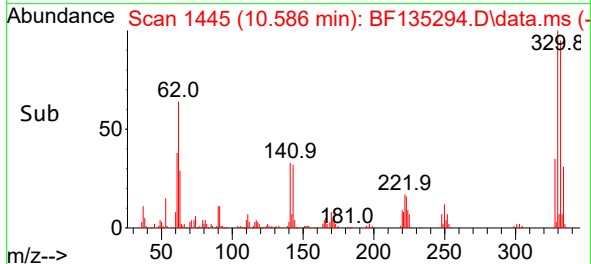
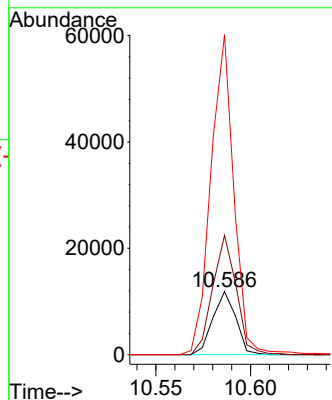
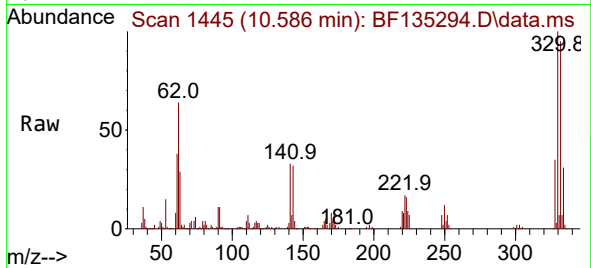




#67
4-Bromophenyl-phenylether
Concen: 3.407 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

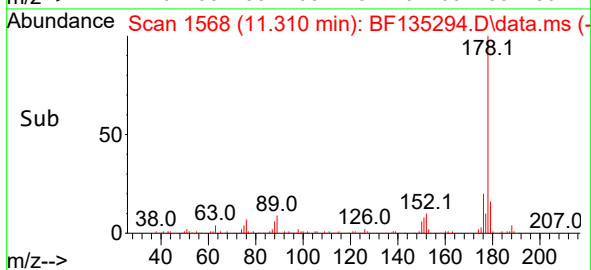
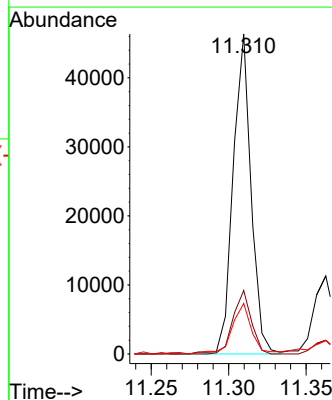
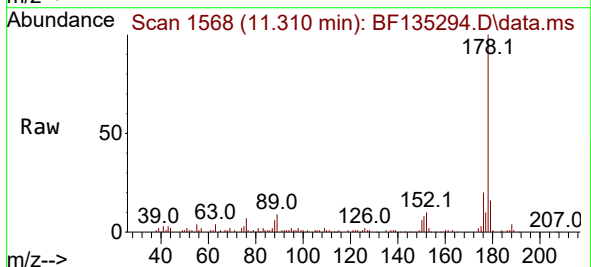
Instrument :
BNA_F
ClientSampleId :
MH110

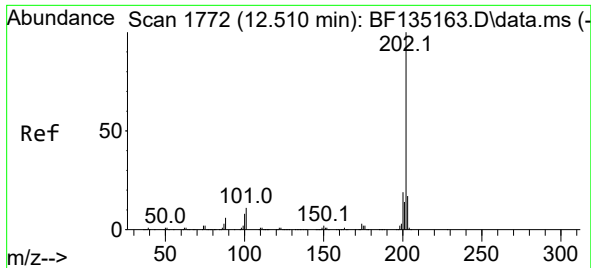
Tgt Ion:248 Resp: 10078
Ion Ratio Lower Upper
248 100
250 189.4 78.6 117.8#
141 507.9 54.2 81.2#



#71
Phenanthrene
Concen: 2.653 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:178 Resp: 37315
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.8 12.0 18.0

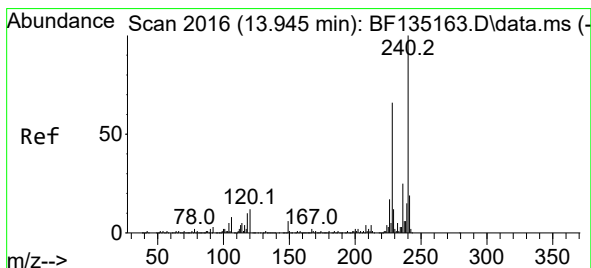
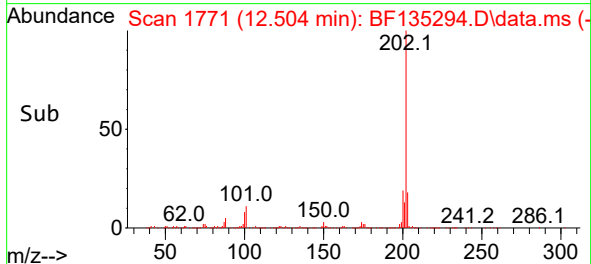
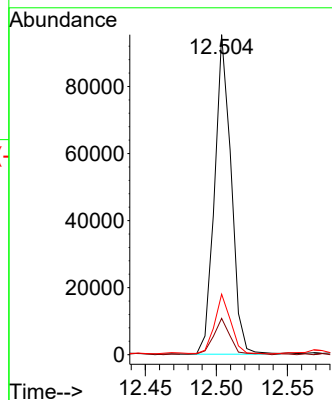
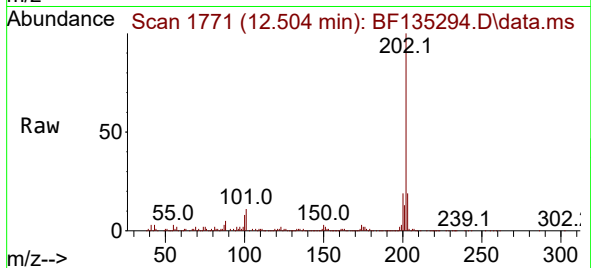




#75
Fluoranthene
Concen: 5.262 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

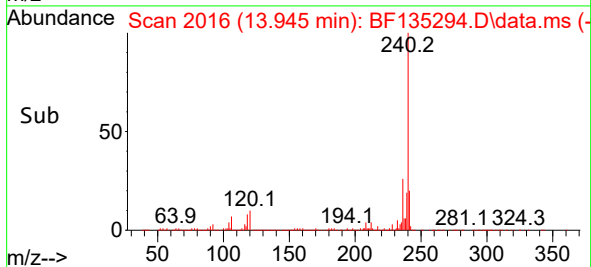
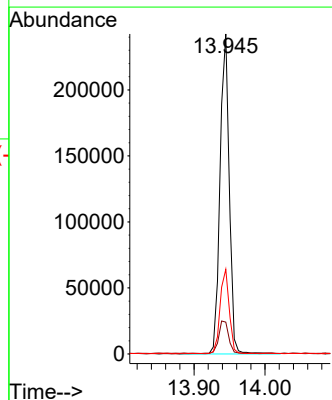
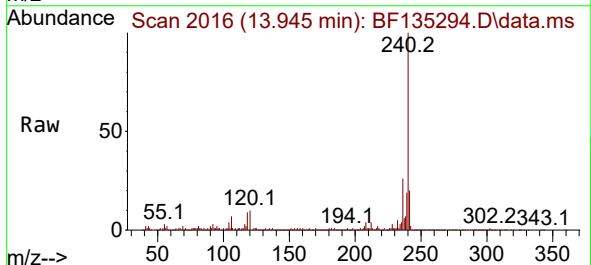
Instrument :
BNA_F
ClientSampleId :
MH110

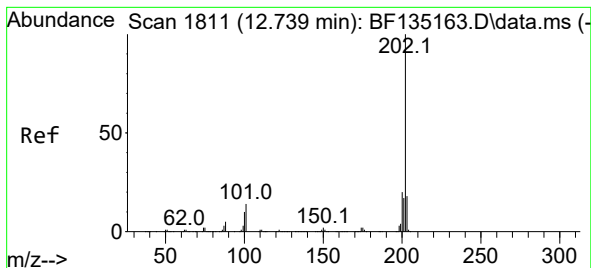
Tgt Ion:202 Resp: 77129
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 18.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:240 Resp: 217616
Ion Ratio Lower Upper
240 100
120 9.9 9.4 14.2
236 26.4 19.8 29.8





#78

Pyrene

Concen: 3.289 ng

RT: 12.733 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

Instrument :

BNA_F

ClientSampleId :

MH110

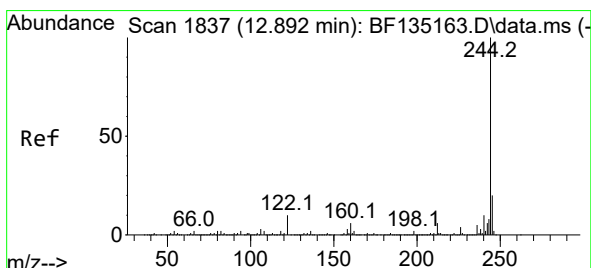
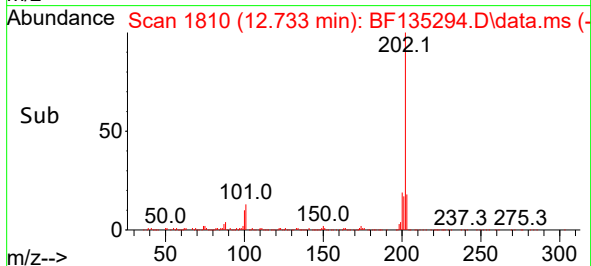
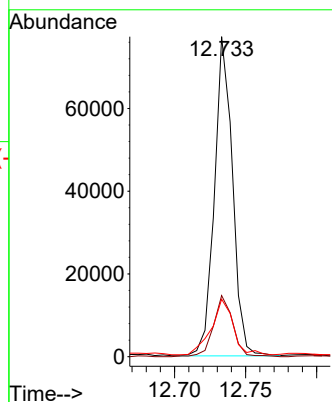
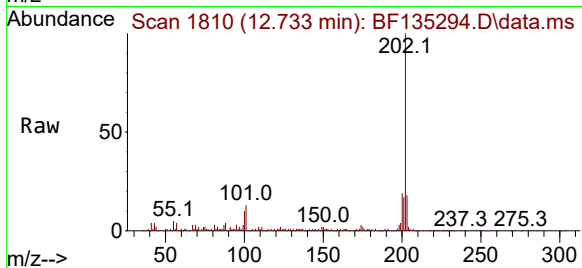
Tgt Ion:202 Resp: 68142

Ion Ratio Lower Upper

202 100

200 19.1 16.2 24.2

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 55.629 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

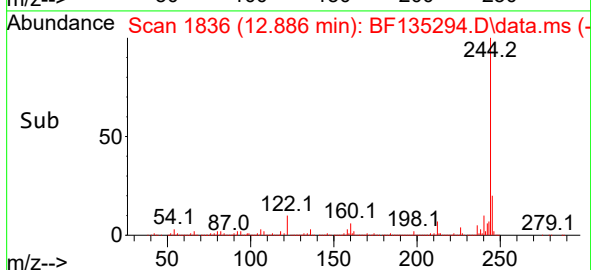
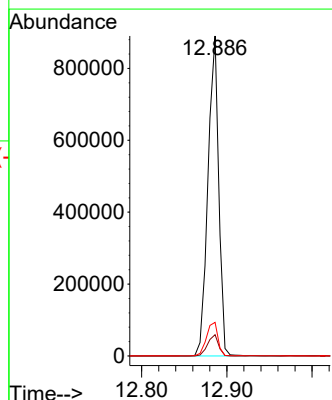
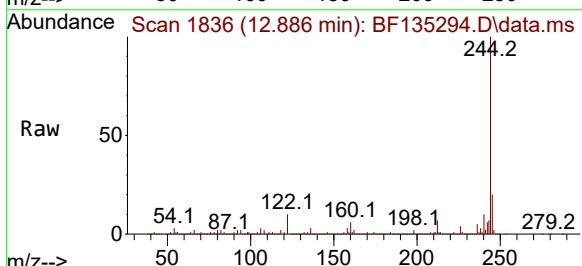
Tgt Ion:244 Resp: 780919

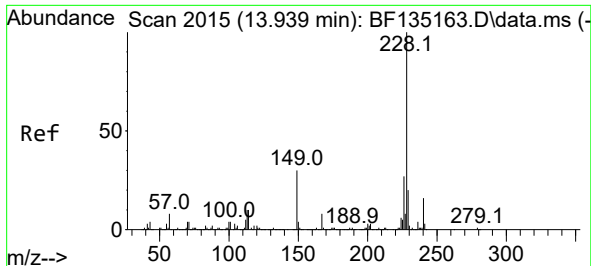
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.5 7.9 11.9

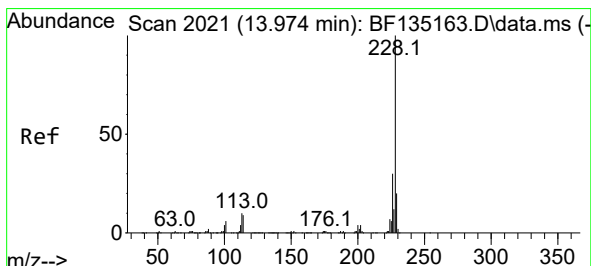
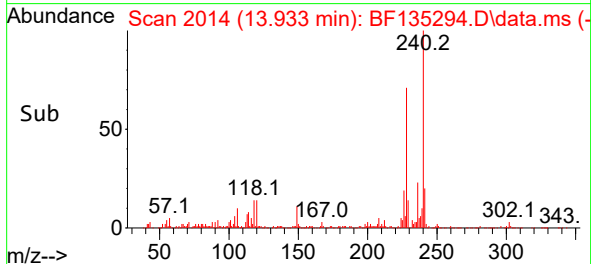
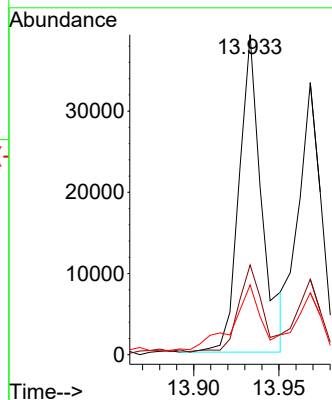
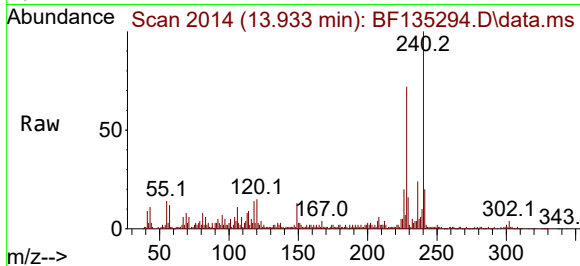




#81
Benzo(a)anthracene
Concen: 2.575 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

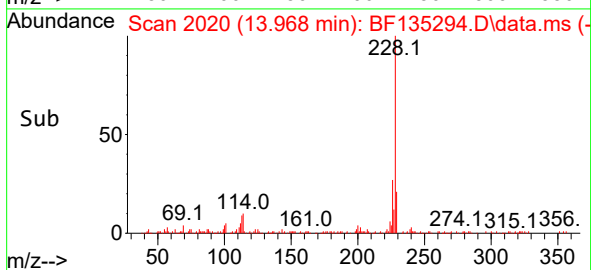
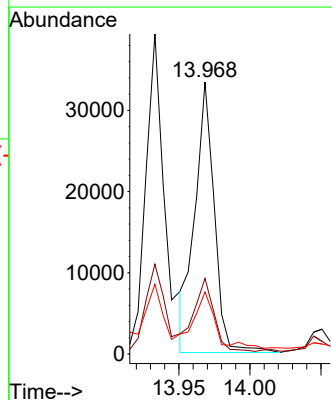
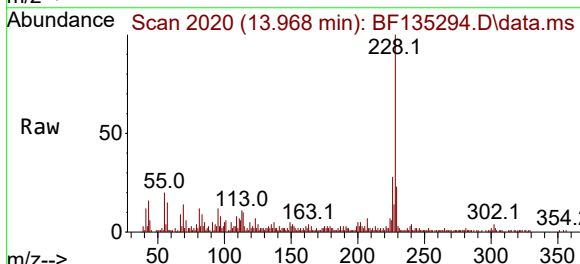
Instrument :
BNA_F
ClientSampleId :
MH110

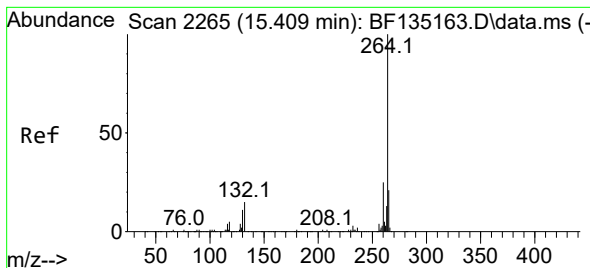
Tgt Ion:228 Resp: 36189
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 21.8 15.8 23.8



#83
Chrysene
Concen: 2.278 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:228 Resp: 31828
Ion Ratio Lower Upper
228 100
226 27.7 24.3 36.5
229 22.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

Instrument :

BNA_F

ClientSampleId :

MH110

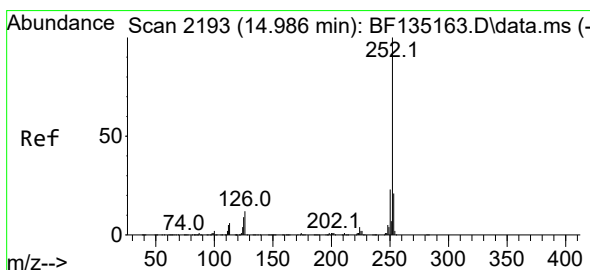
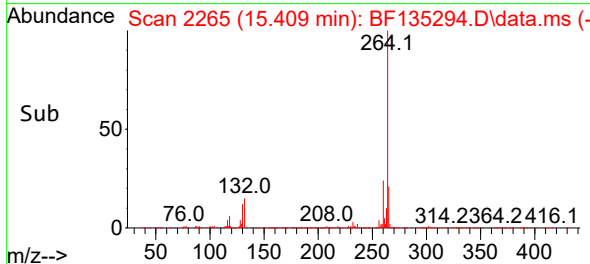
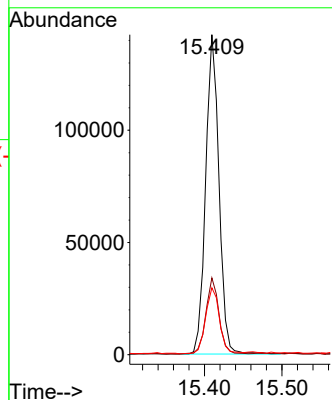
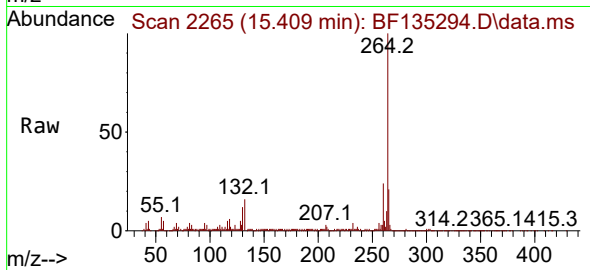
Tgt Ion:264 Resp: 169636

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 20.9 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.510 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

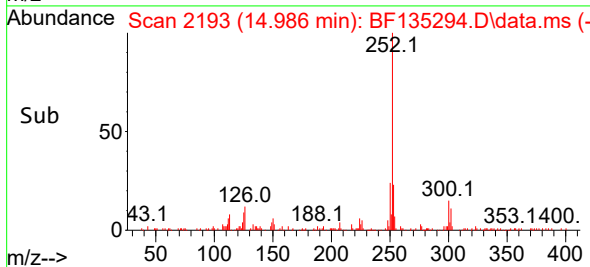
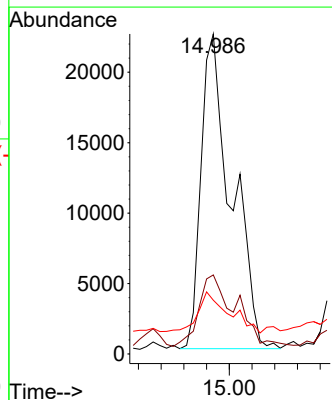
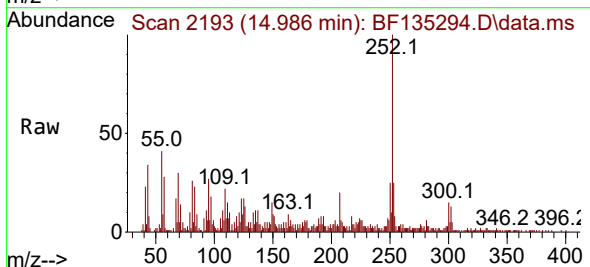
Tgt Ion:252 Resp: 41417

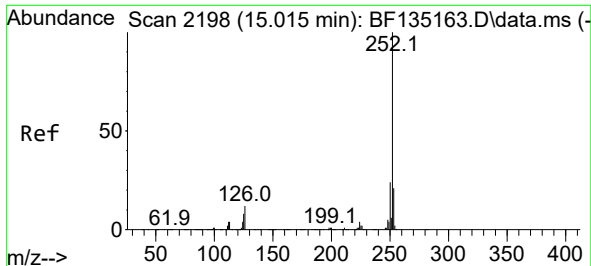
Ion Ratio Lower Upper

252 100

253 24.7 17.2 25.8

125 16.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 4.566 ng

RT: 14.986 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

Instrument :

BNA_F

ClientSampleId :

MH110

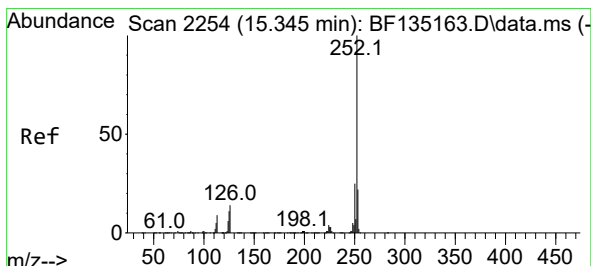
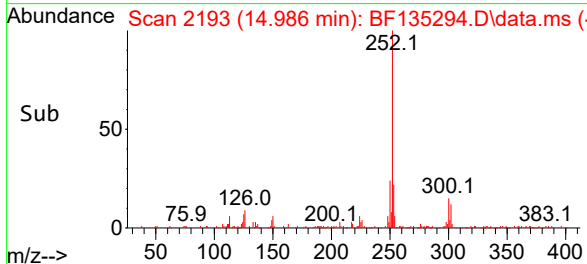
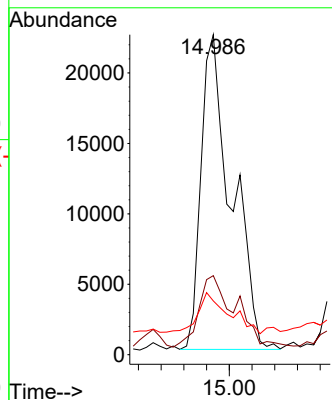
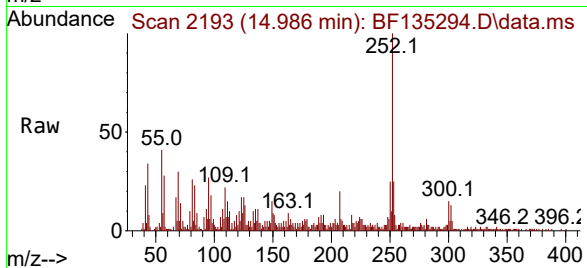
Tgt Ion:252 Resp: 41417

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

125 16.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 2.518 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

Tgt Ion:252 Resp: 22052

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 16.9 9.2 13.8#

