

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135289.D
 Acq On : 15 Sep 2023 20:26
 Operator : CG\JU
 Sample : 04399-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Quant Time: Sep 16 01:55:42 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)

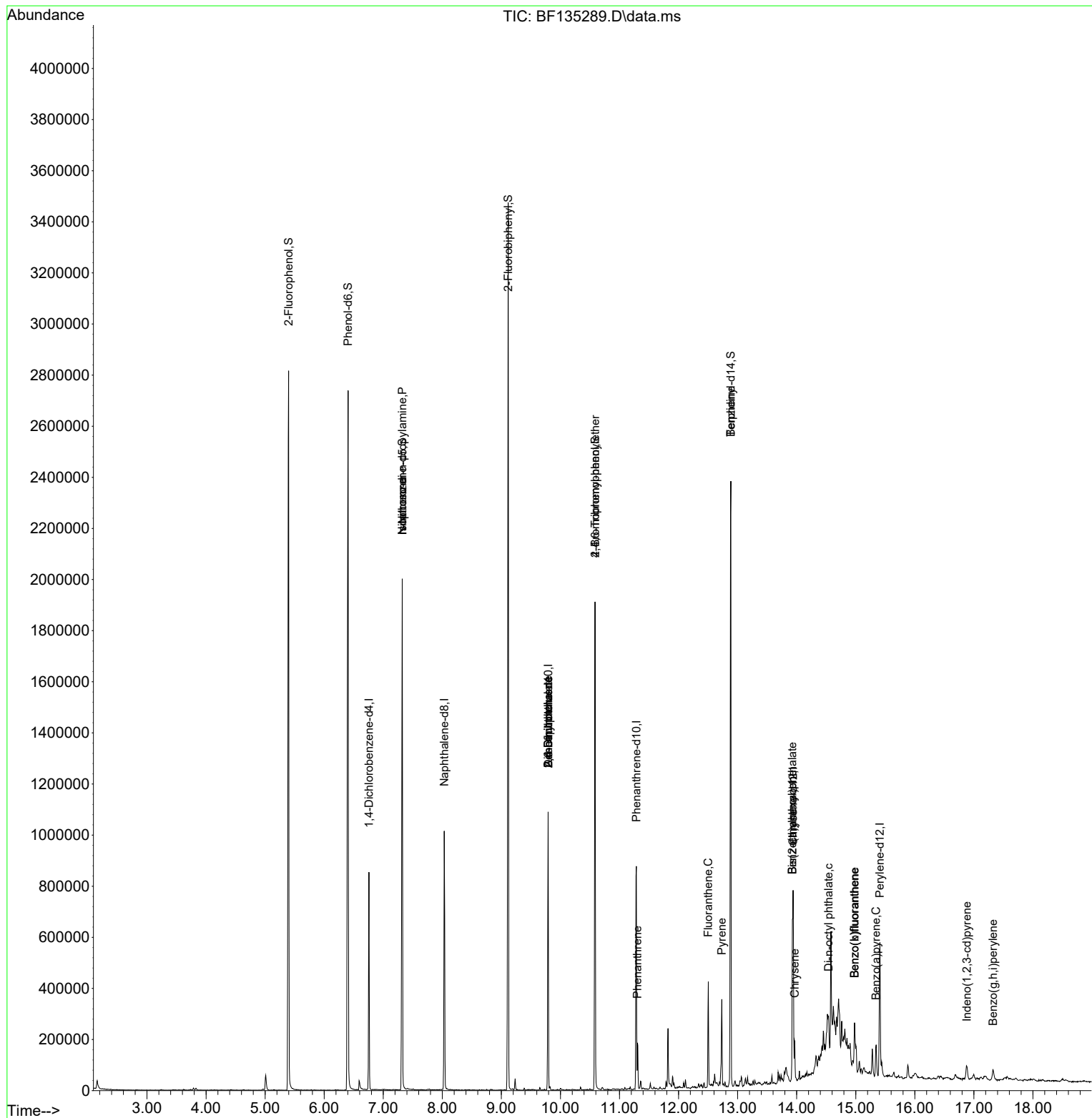
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	112953	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	420711	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	202918	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	337757	20.000	ng	0.00
76) Chrysene-d12	13.939	240	209034	20.000	ng	0.00
86) Perylene-d12	15.409	264	252234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	784998	113.034	ng	0.01
7) Phenol-d6	6.404	99	973078	110.193	ng	0.00
23) Nitrobenzene-d5	7.322	82	616492	79.612	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	219641	108.921	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1086503	80.783	ng	-0.01
79) Terphenyl-d14	12.886	244	871335	64.618	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	83270	15.224	ng	# 78
25) Isophorone	7.322	82	616487	43.355	ng	# 65
50) Dimethylphthalate	9.792	163	40211	2.931	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	26006	8.653	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	26006	6.912	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	13756	4.095	ng	# 1
71) Phenanthrene	11.304	178	69251	4.335	ng	99
75) Fluoranthene	12.504	202	155959	9.370	ng	98
77) Benzidine	12.886	184	10618	2.479	ng	# 93
78) Pyrene	12.733	202	135637	6.815	ng	99
81) Benzo(a)anthracene	13.927	228	60534	4.485	ng	99
83) Chrysene	13.968	228	69418	5.173	ng	97
84) Bis(2-ethylhexyl)phtha...	13.927	149	110832	15.414	ng	100
85) Di-n-octyl phthalate	14.539	149	93068	8.145	ng	# 37
87) Indeno(1,2,3-cd)pyrene	16.880	276	33755	2.041	ng	96
88) Benzo(b)fluoranthene	14.980	252	130249	9.539	ng	98
89) Benzo(k)fluoranthene	14.980	252	130249	9.657	ng	99
90) Benzo(a)pyrene	15.345	252	59547	4.573	ng	96
92) Benzo(g,h,i)perylene	17.327	276	33142	2.345	ng	97

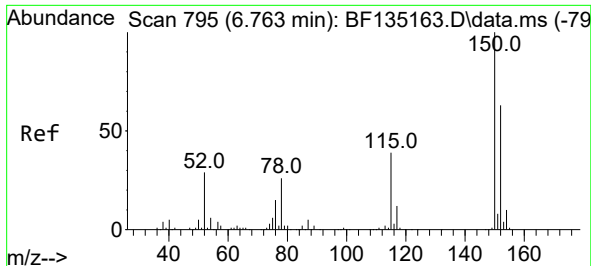
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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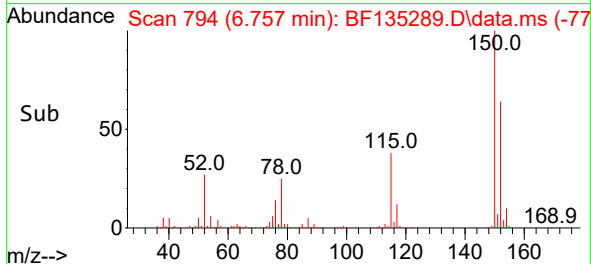
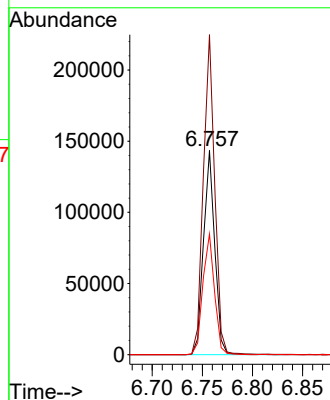
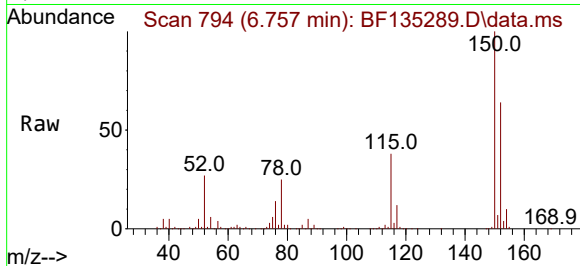




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

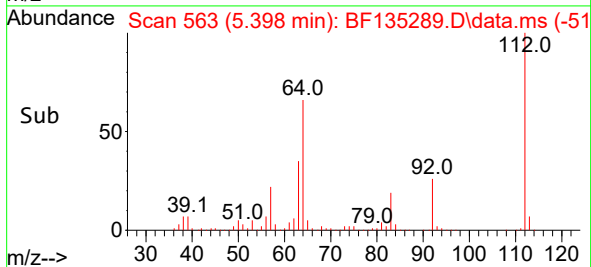
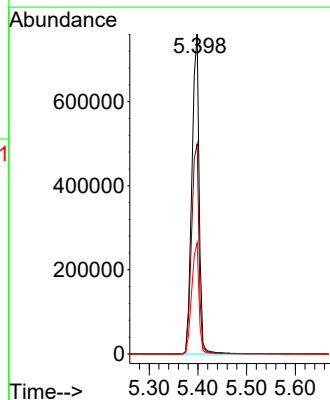
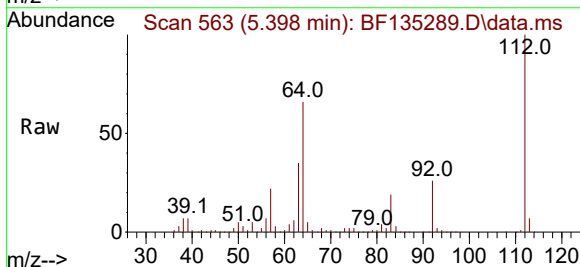
Instrument :
BNA_F
ClientSampleId :
72-11930

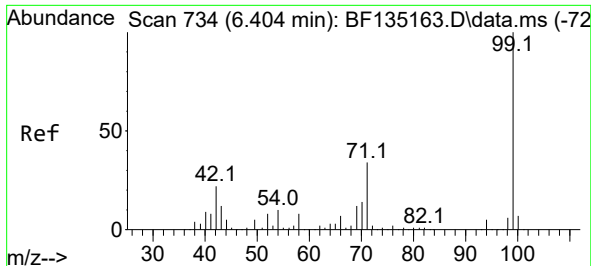
Tgt Ion:152 Resp: 112953
Ion Ratio Lower Upper
152 100
150 156.8 127.8 191.6
115 59.1 49.8 74.8



#5
2-Fluorophenol
Concen: 113.034 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Tgt Ion:112 Resp: 784998
Ion Ratio Lower Upper
112 100
64 65.6 55.9 83.9
63 34.8 29.0 43.6

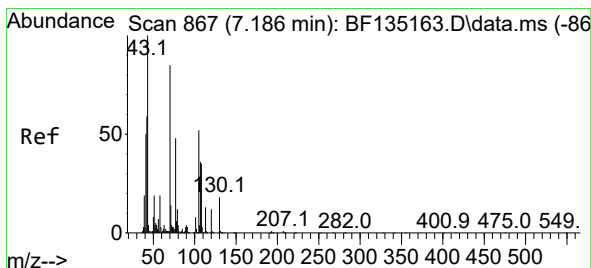
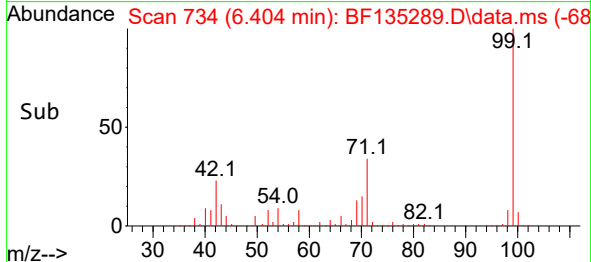
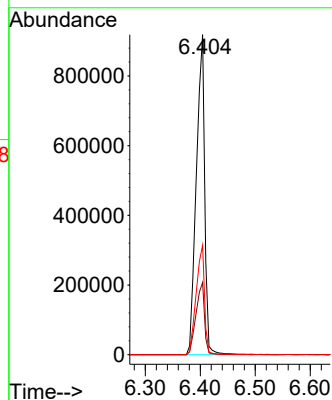
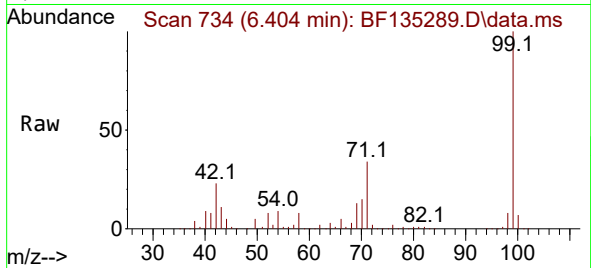




#7
Phenol-d6
Concen: 110.193 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

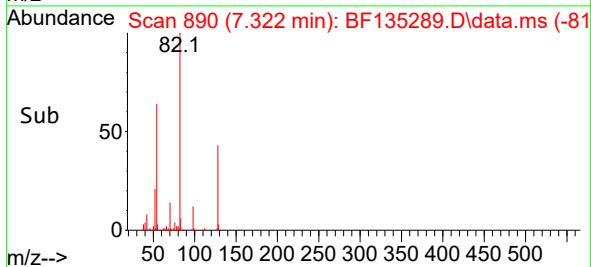
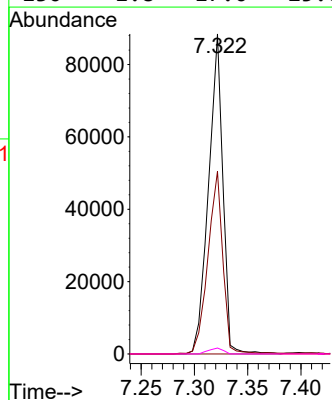
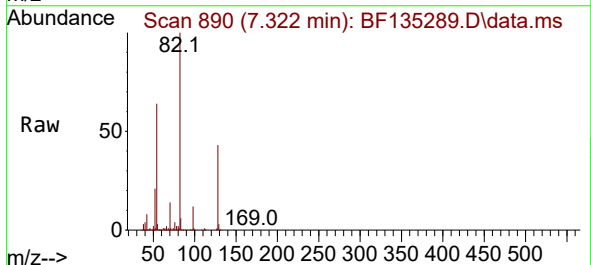
Instrument :
BNA_F
ClientSampleId :
72-11930

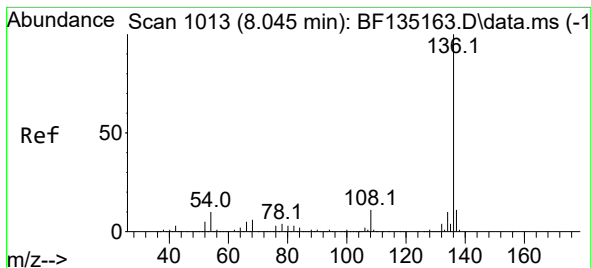
Tgt Ion: 99 Resp: 973078
Ion Ratio Lower Upper
99 100
42 22.6 17.9 26.9
71 34.2 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.224 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Tgt Ion: 70 Resp: 83270
Ion Ratio Lower Upper
70 100
42 57.1 55.4 83.0
101 0.0 7.7 11.5#
130 1.8 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: BF135289.D

Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

ClientSampleId :

72-11930

Tgt Ion:136 Resp: 420711

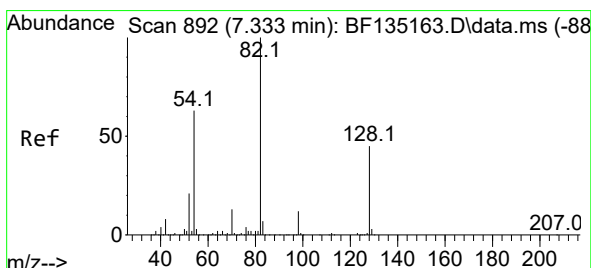
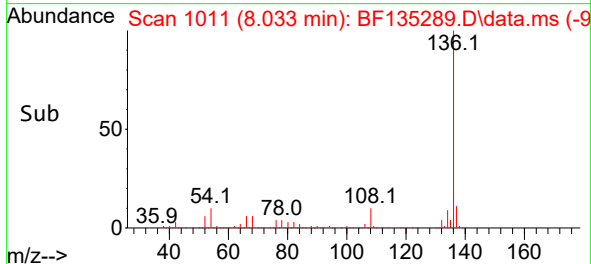
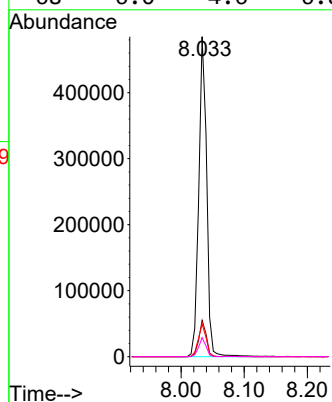
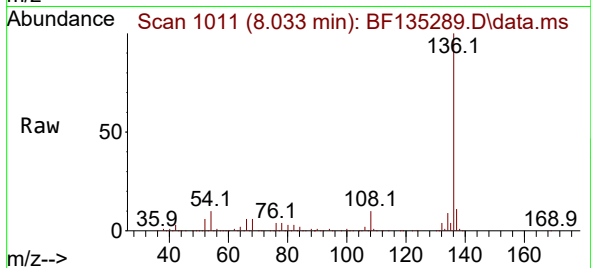
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 10.2 7.7 11.5

68 6.0 4.6 6.8



#23

Nitrobenzene-d5

Concen: 79.612 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.012 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

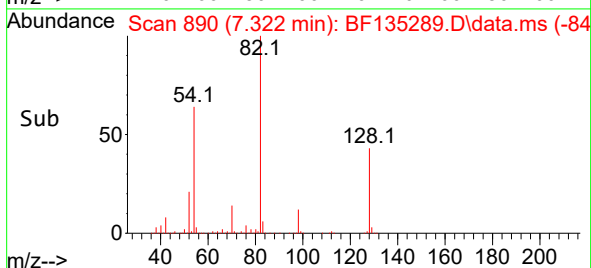
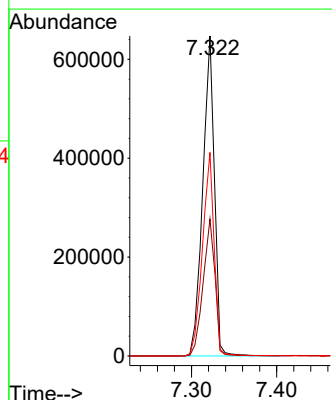
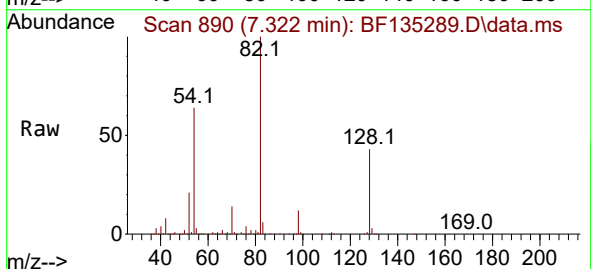
Tgt Ion: 82 Resp: 616492

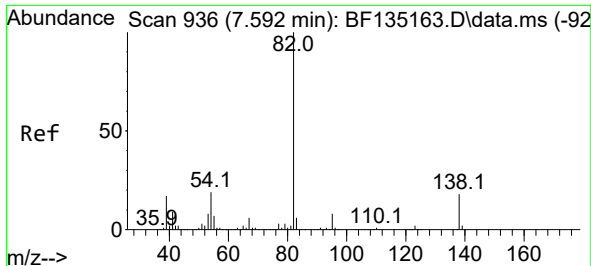
Ion Ratio Lower Upper

82 100

128 42.8 35.8 53.6

54 63.6 50.6 76.0

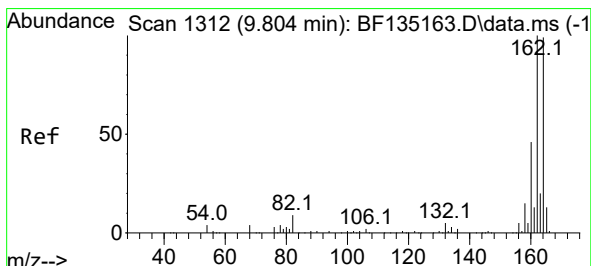
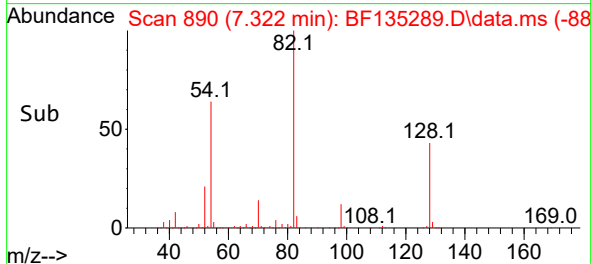
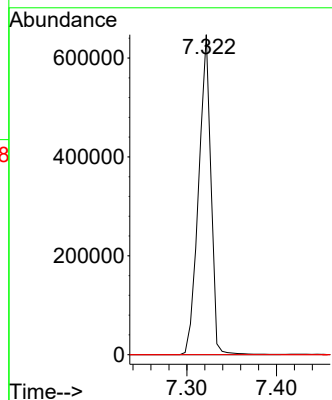
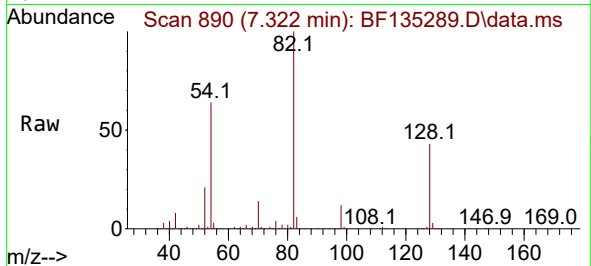




#25
Isophorone
Concen: 43.355 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.271 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

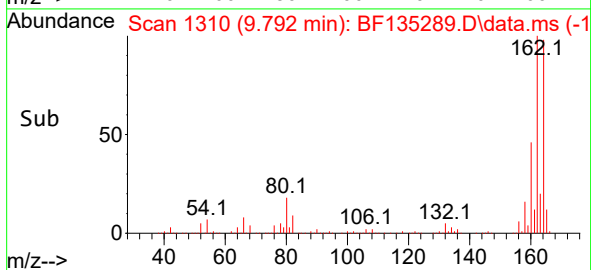
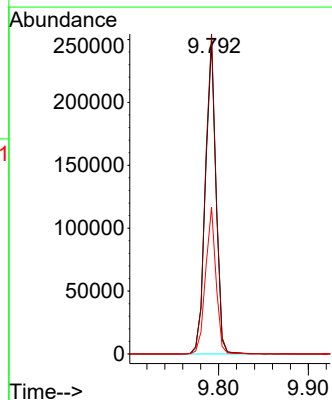
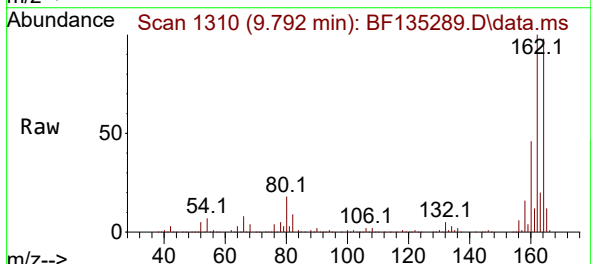
Instrument :
BNA_F
ClientSampleId :
72-11930

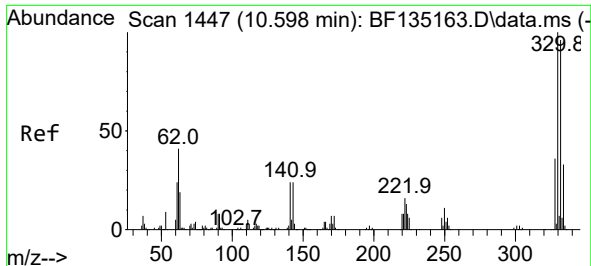
Tgt Ion: 82 Resp: 616487
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Tgt Ion:164 Resp: 202918
Ion Ratio Lower Upper
164 100
162 102.3 81.0 121.4
160 47.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 108.921 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

ClientSampleId :

72-11930

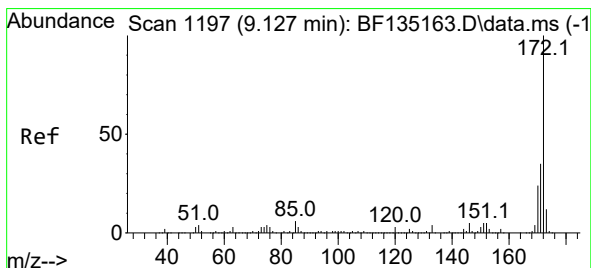
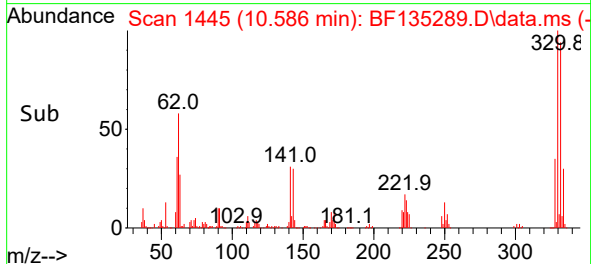
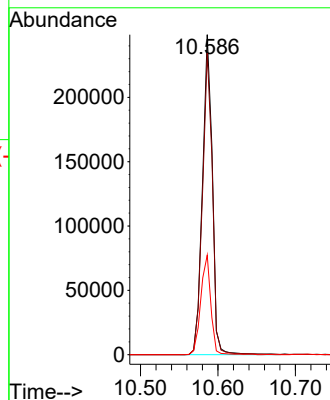
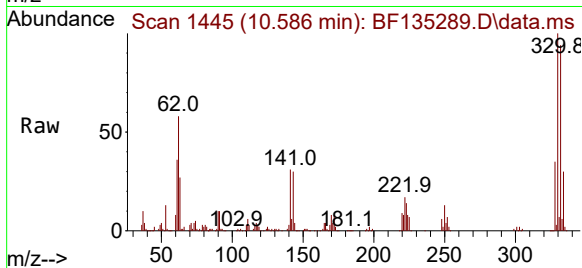
Tgt Ion:330 Resp: 219641

Ion Ratio Lower Upper

330 100

332 95.0 77.3 115.9

141 31.7 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 80.783 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

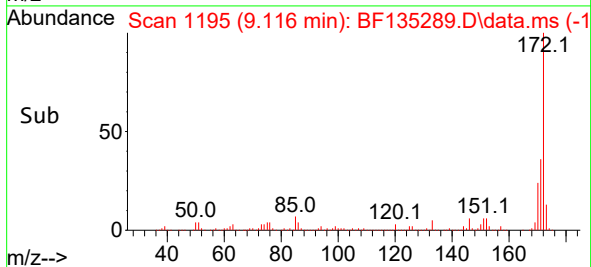
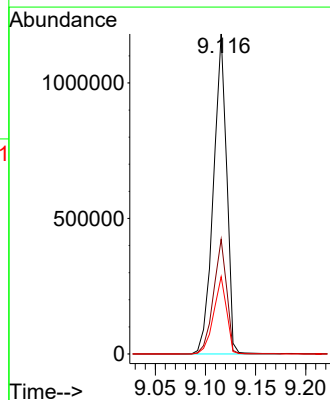
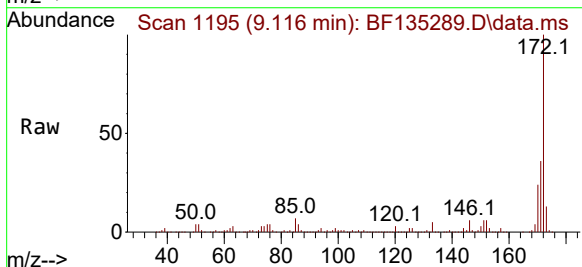
Tgt Ion:172 Resp: 1086503

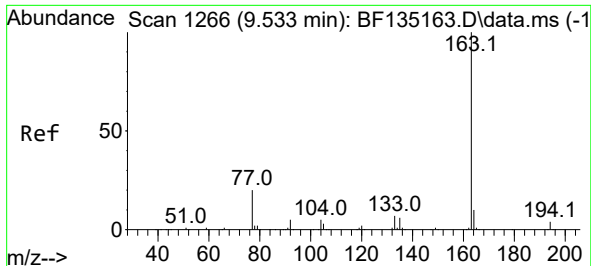
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 24.1 19.0 28.4

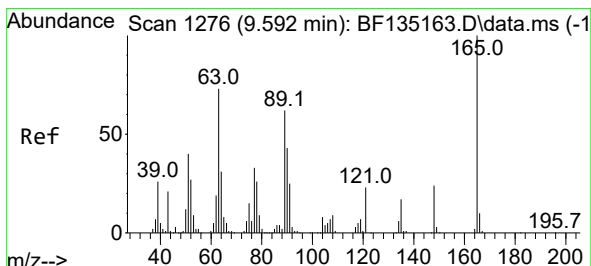
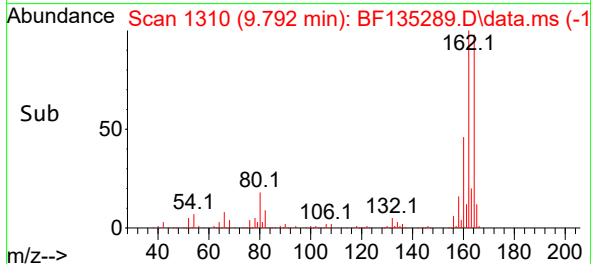
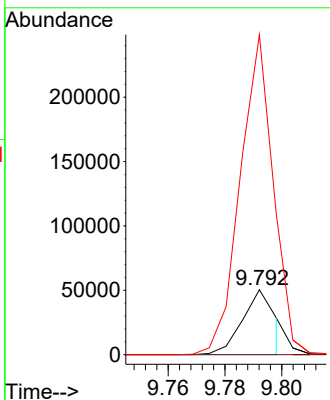
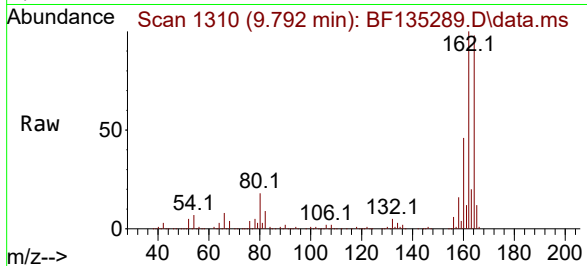




#50
Dimethylphthalate
Concen: 2.931 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

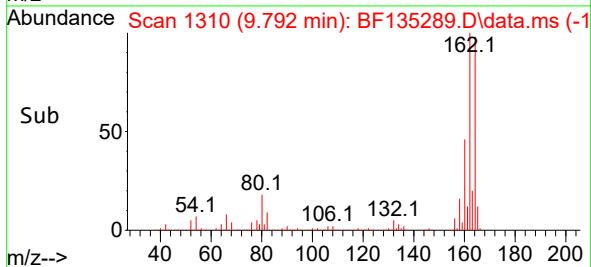
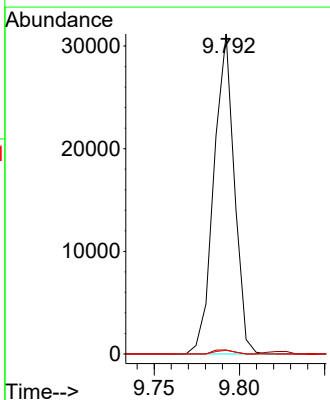
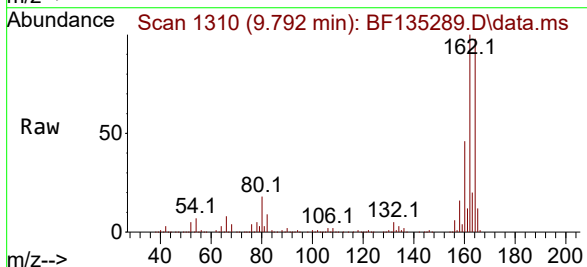
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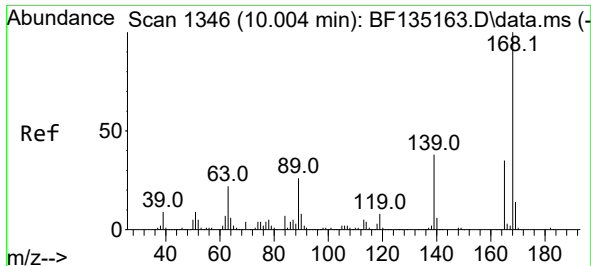
Tgt Ion:163 Resp: 40211
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 492.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.653 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

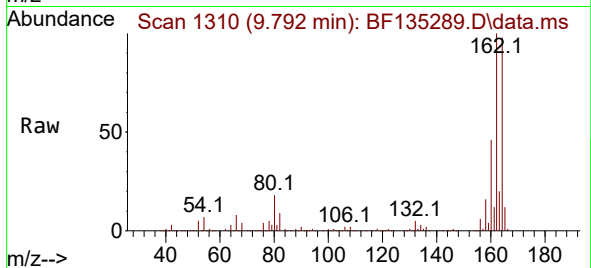
Tgt Ion:165 Resp: 26006
Ion Ratio Lower Upper
165 100
63 1.2 59.4 89.2#
89 1.1 49.8 74.8#



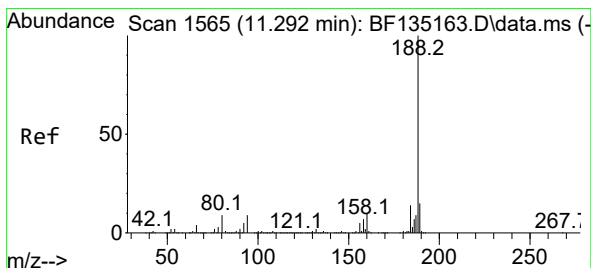
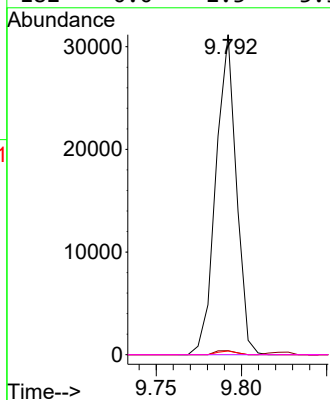
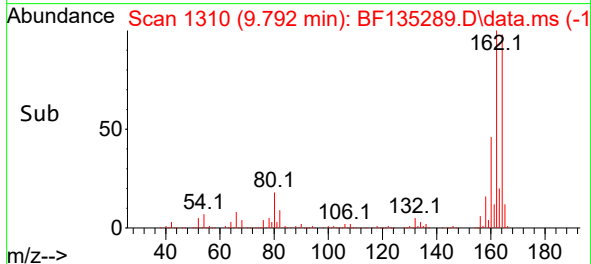


#57
2,4-Dinitrotoluene
Concen: 6.912 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

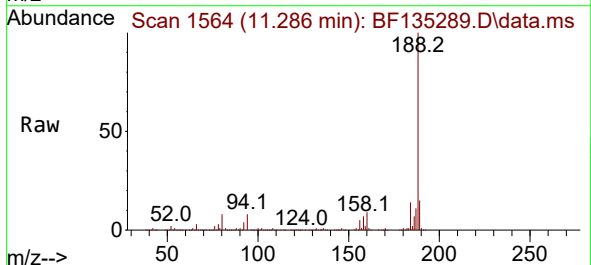
Instrument :
BNA_F
ClientSampleId :
72-11930



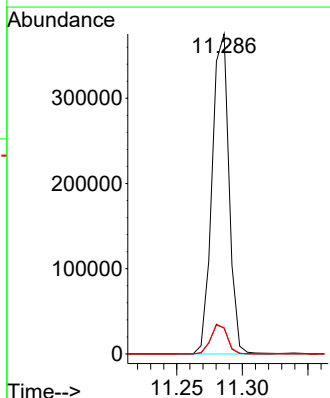
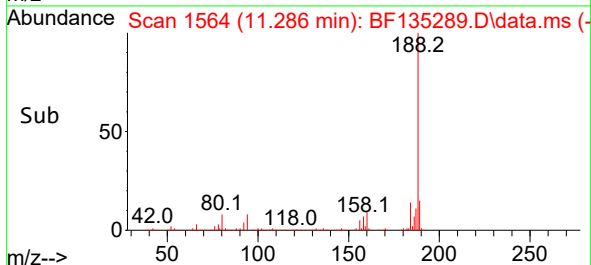
Tgt Ion:165 Resp: 26006
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#

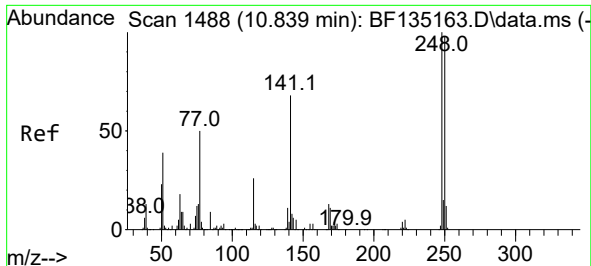


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26



Tgt Ion:188 Resp: 337757
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 8.2 7.5 11.3

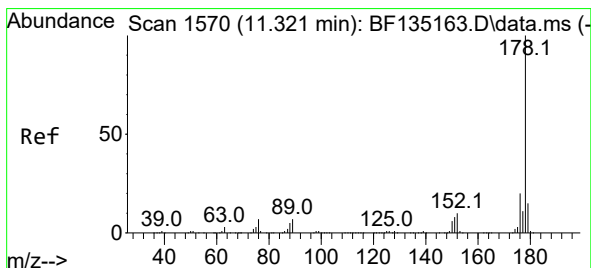
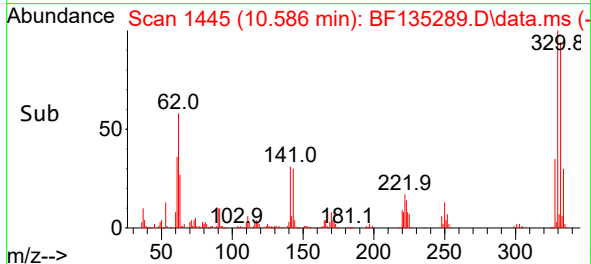
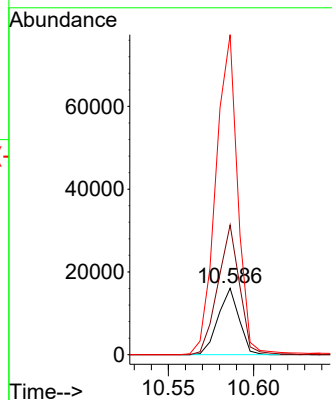
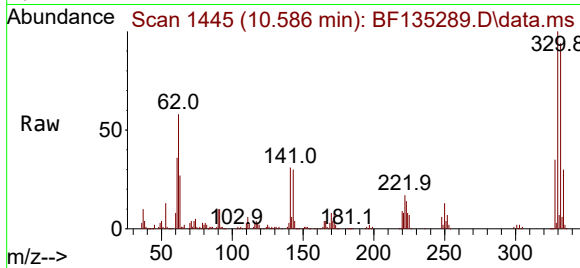




#67
4-Bromophenyl-phenylether
Concen: 4.095 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

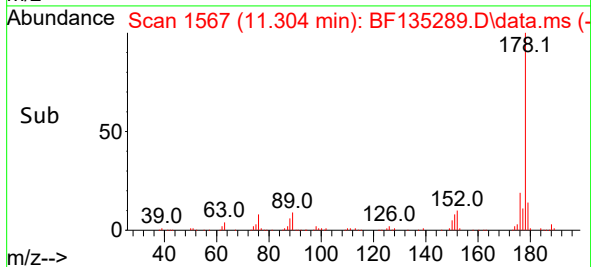
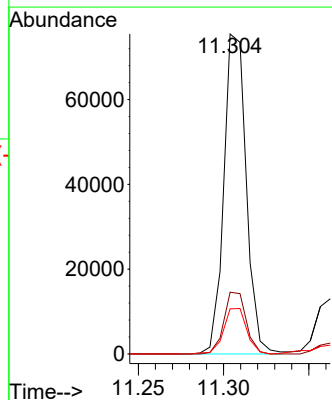
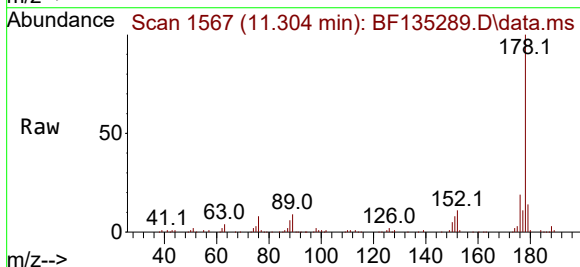
Instrument :
BNA_F
ClientSampleId :
72-11930

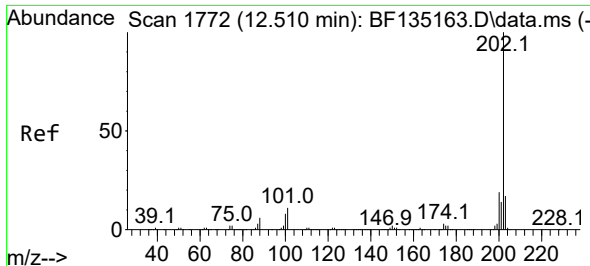
Tgt Ion:248 Resp: 13756
Ion Ratio Lower Upper
248 100
250 195.6 78.6 117.8#
141 482.2 54.2 81.2#



#71
Phenanthrene
Concen: 4.335 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Tgt Ion:178 Resp: 69251
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 14.1 12.0 18.0

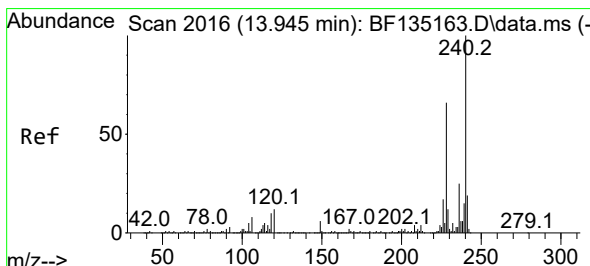
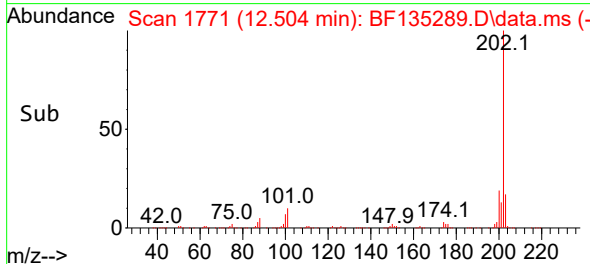
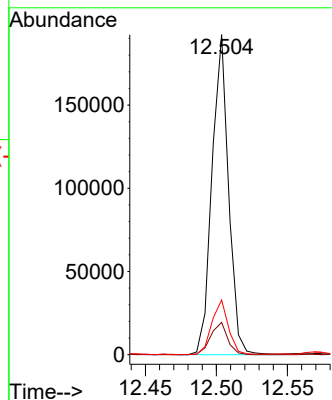
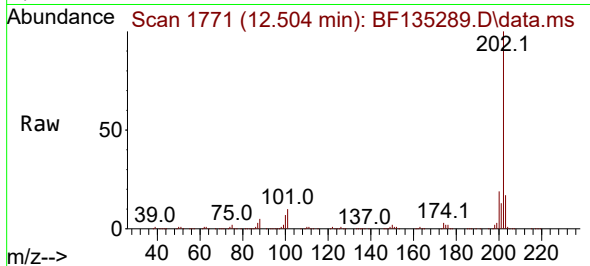




#75
Fluoranthene
Concen: 9.370 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

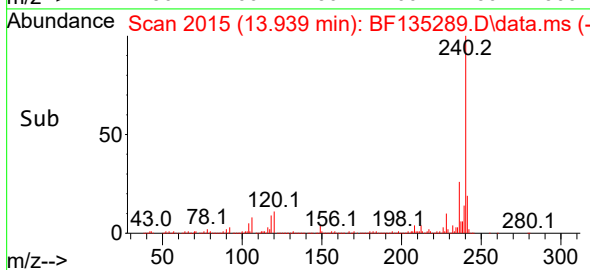
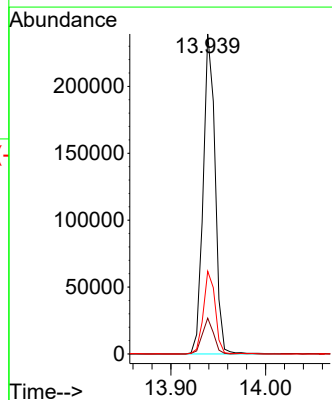
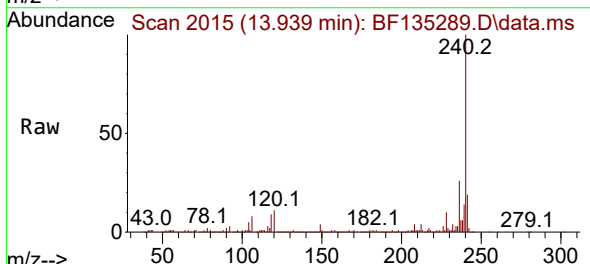
Instrument :
BNA_F
ClientSampleId :
72-11930

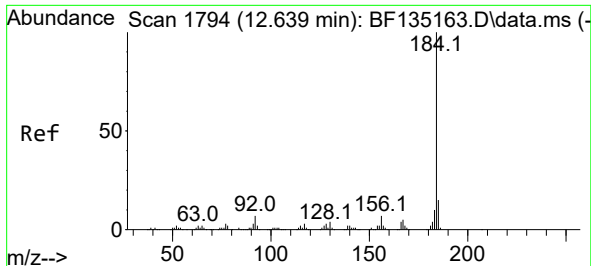
Tgt Ion:202 Resp: 155959
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.3
203 17.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Tgt Ion:240 Resp: 209034
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.8 19.8 29.8

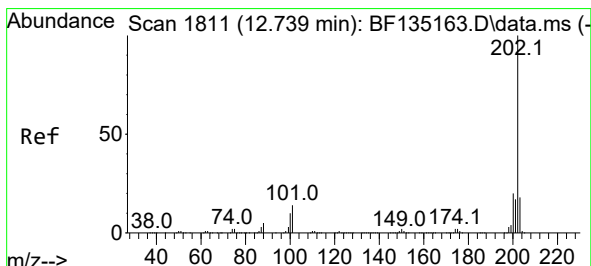
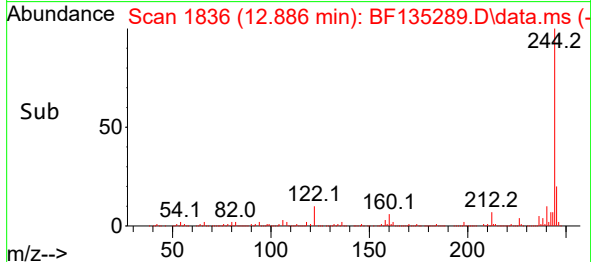
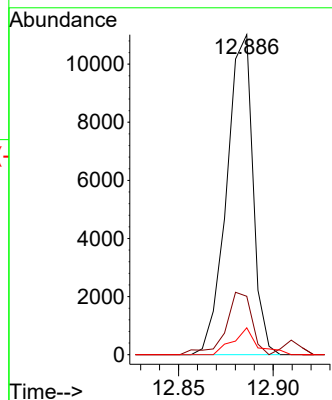
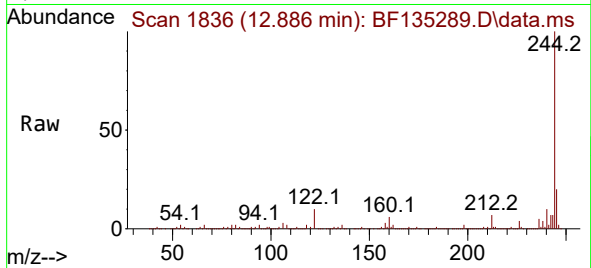




#77
Benzidine
Concen: 2.479 ng
RT: 12.886 min Scan# 1810
Delta R.T. 0.247 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

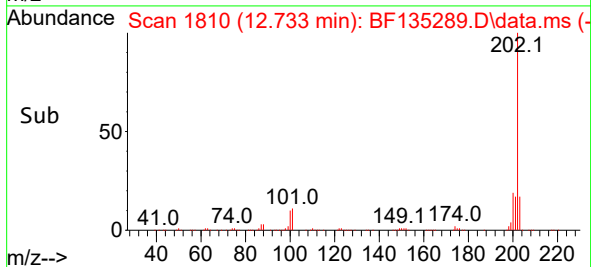
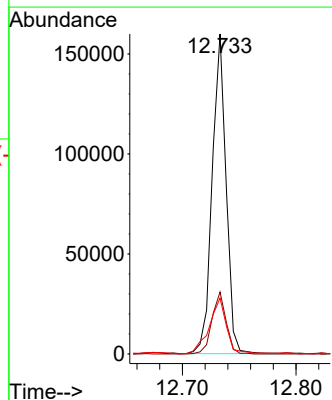
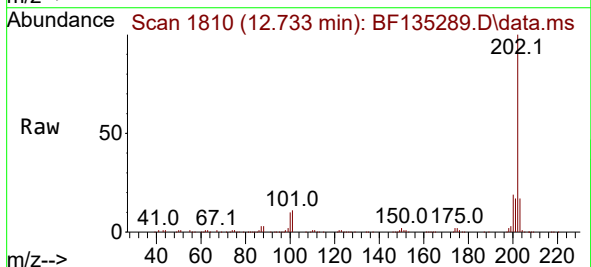
Instrument :
BNA_F
ClientSampleId :
72-11930

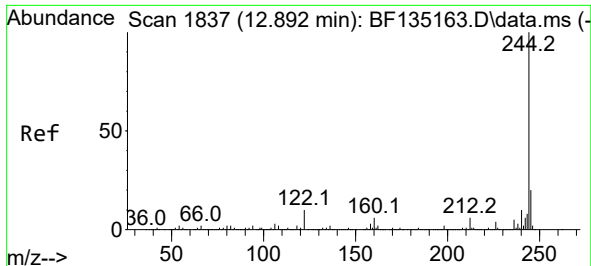
Tgt Ion:184 Resp: 10618
Ion Ratio Lower Upper
184 100
185 18.3 11.7 17.5#
183 8.4 8.2 12.4



#78
Pyrene
Concen: 6.815 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

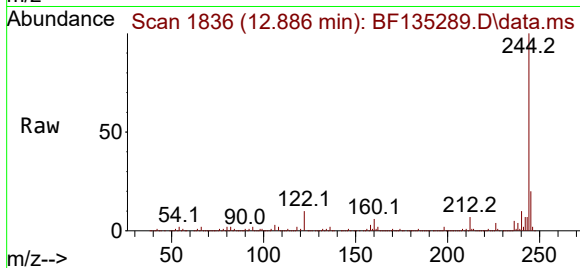
Tgt Ion:202 Resp: 135637
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 17.5 14.2 21.4



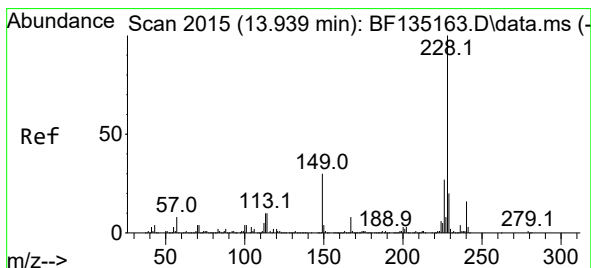
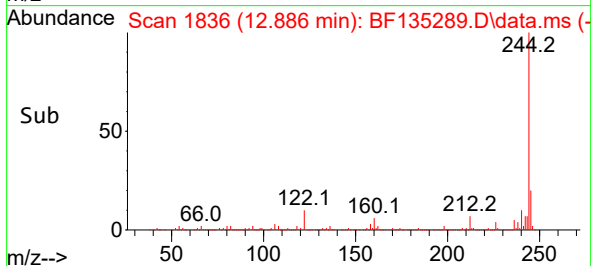
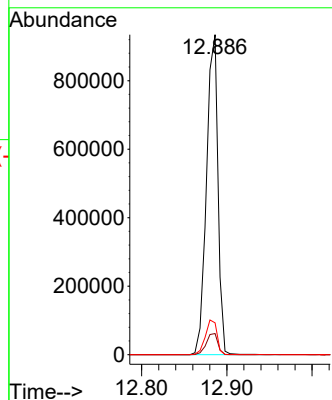


#79
 Terphenyl-d14
 Concen: 64.618 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135289.D
 Acq: 15 Sep 2023 20:26

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

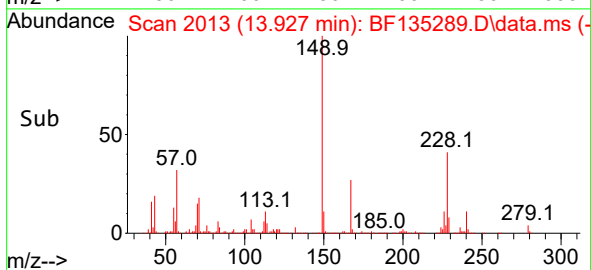
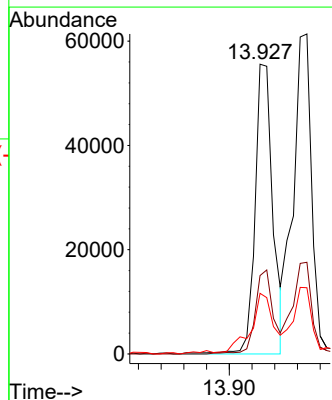
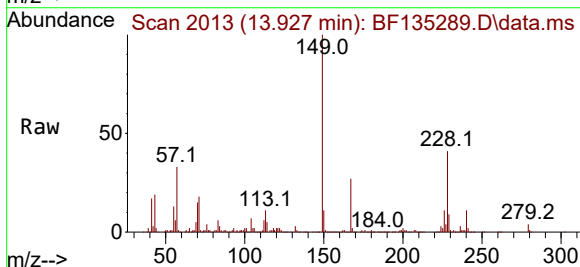


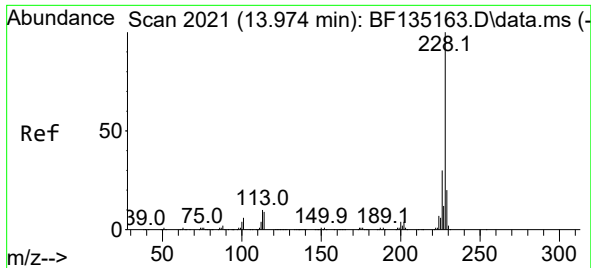
Tgt Ion:244 Resp: 871335
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.0 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 4.485 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135289.D
 Acq: 15 Sep 2023 20:26

Tgt Ion:228 Resp: 60534
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.7 32.5
 229 20.9 15.8 23.8





#83

Chrysene

Concen: 5.173 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

ClientSampleId :

72-11930

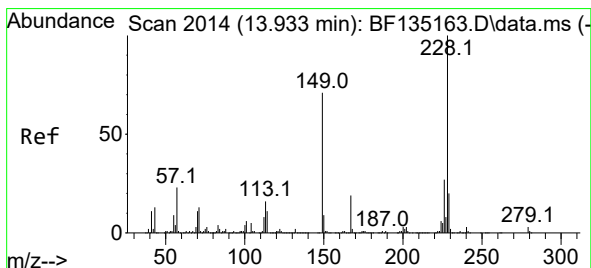
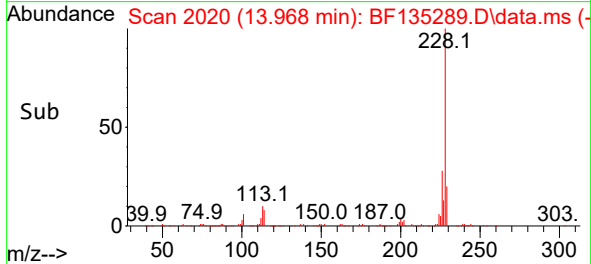
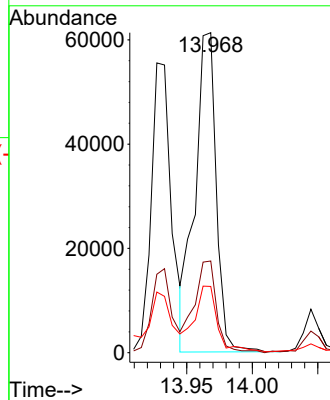
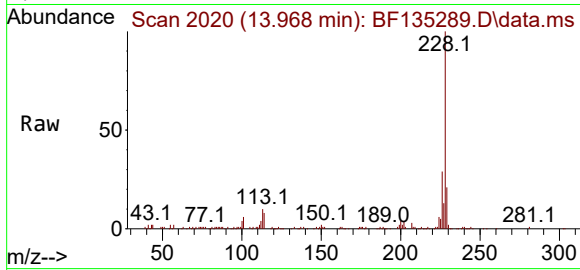
Tgt Ion:228 Resp: 69418

Ion Ratio Lower Upper

228 100

226 28.7 24.3 36.5

229 20.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 15.414 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

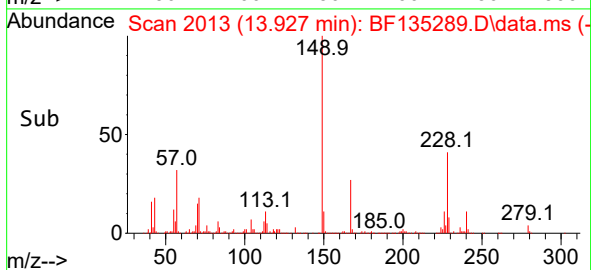
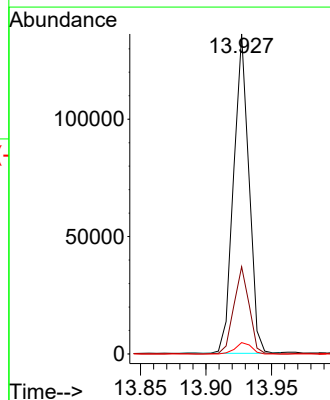
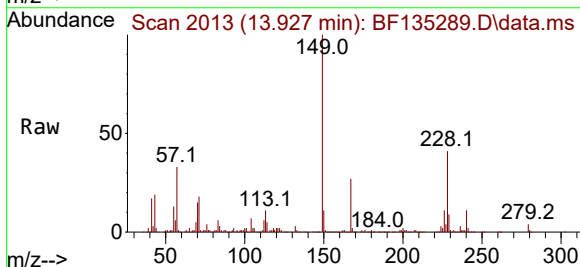
Tgt Ion:149 Resp: 110832

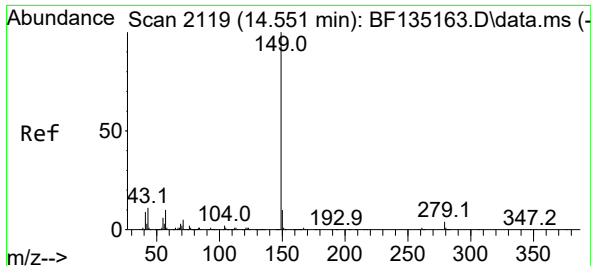
Ion Ratio Lower Upper

149 100

167 27.3 21.9 32.9

279 3.5 3.3 4.9

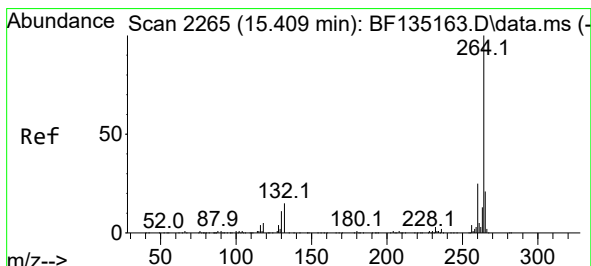
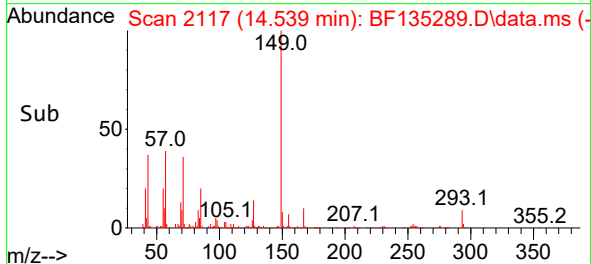
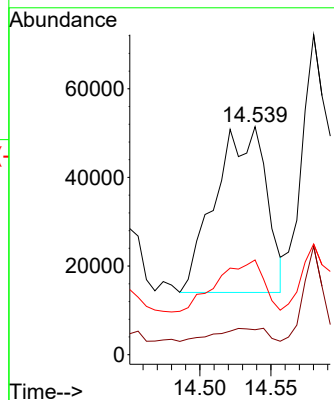
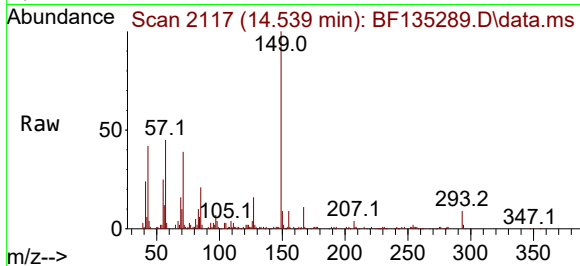




#85
Di-n-octyl phthalate
Concen: 8.145 ng
RT: 14.539 min Scan# 2117
Delta R.T. -0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

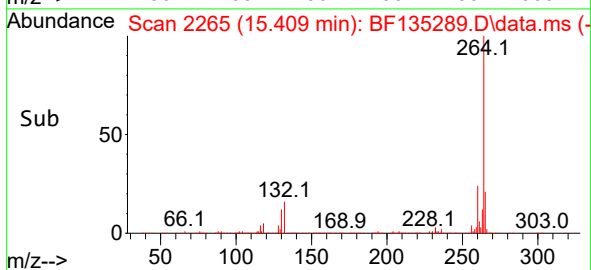
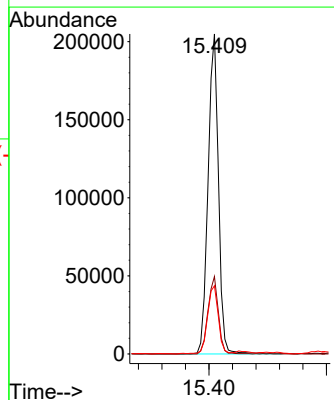
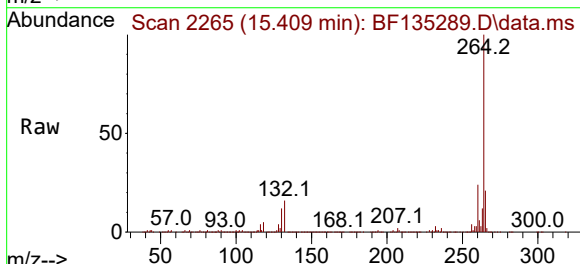
Instrument :
BNA_F
ClientSampleId :
72-11930

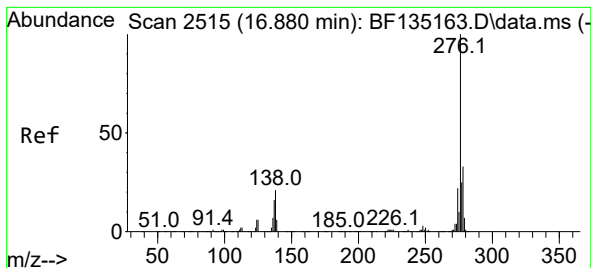
Tgt Ion:149 Resp: 93068
Ion Ratio Lower Upper
149 100
167 7.6 1.1 1.7#
43 38.9 9.8 14.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Tgt Ion:264 Resp: 252234
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.6
265 21.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.041 ng

RT: 16.880 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

ClientSampleId :

72-11930

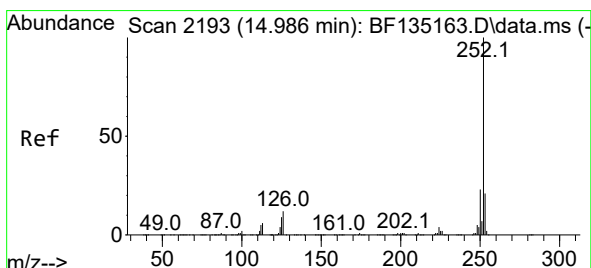
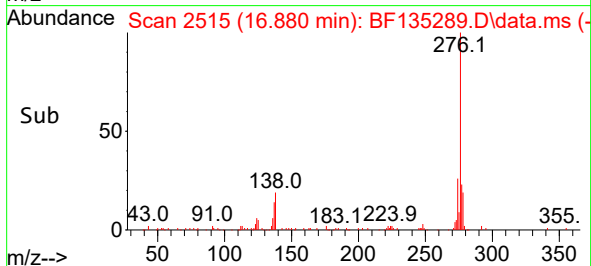
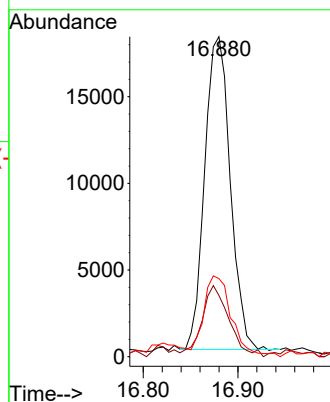
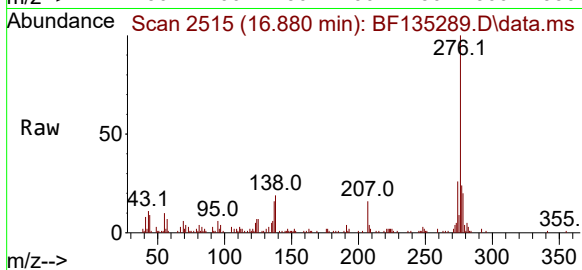
Tgt Ion:276 Resp: 33755

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 28.1 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 9.539 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

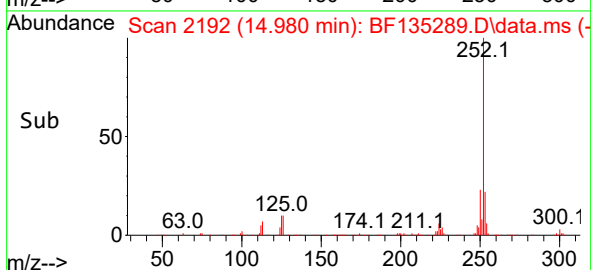
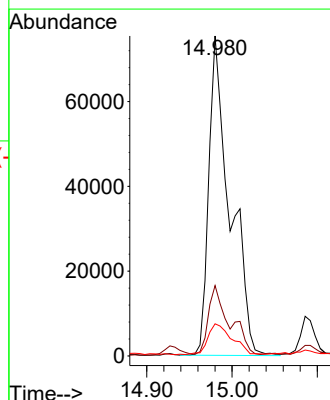
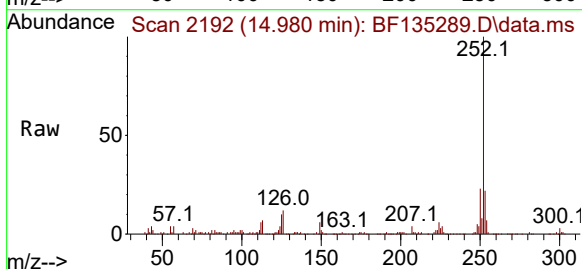
Tgt Ion:252 Resp: 130249

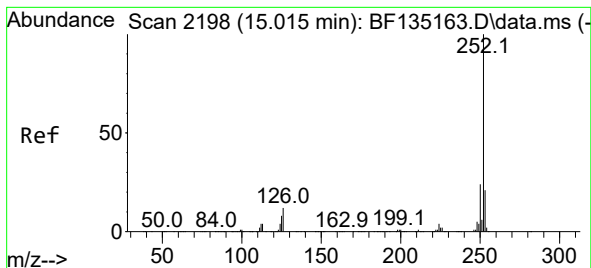
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 10.0 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 9.657 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

ClientSampleId :

72-11930

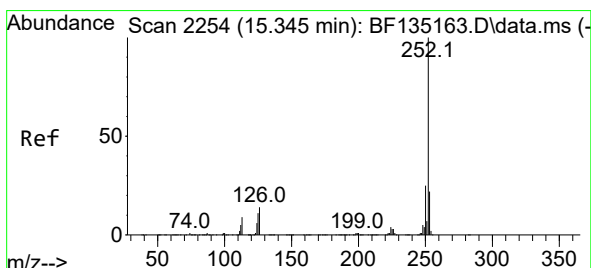
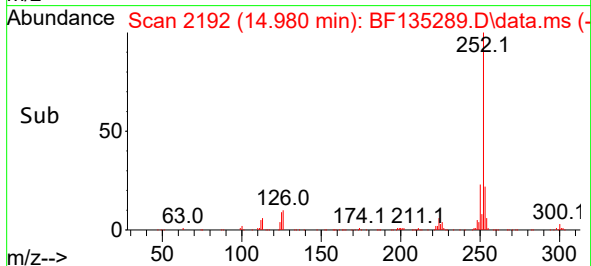
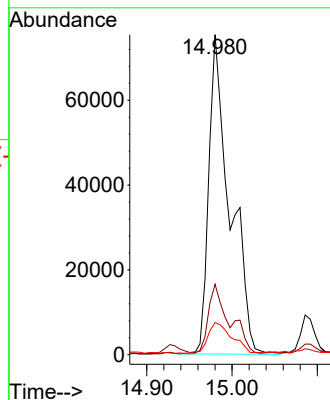
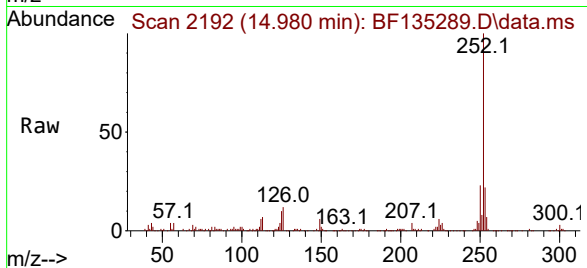
Tgt Ion:252 Resp: 130249

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 4.573 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

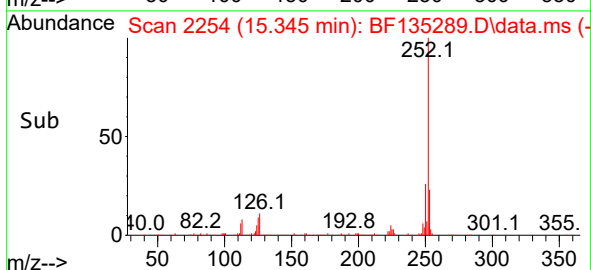
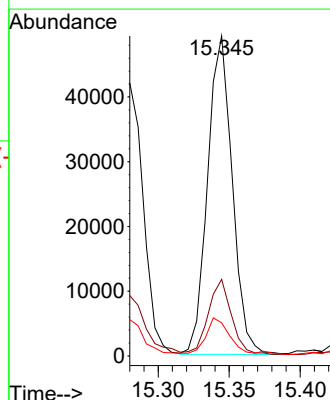
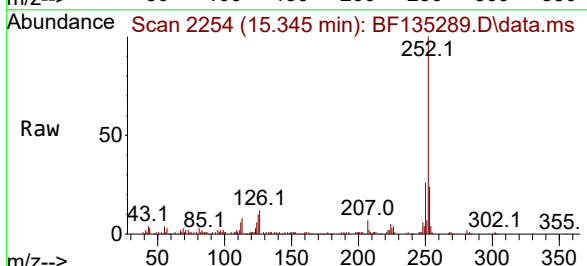
Tgt Ion:252 Resp: 59547

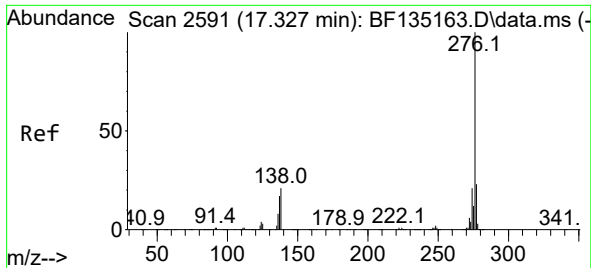
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 10.3 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.345 ng
 RT: 17.327 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135289.D
 Acq: 15 Sep 2023 20:26

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Tgt Ion:276 Resp: 33142
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.8 28.2
 138 19.4 16.9 25.3

