

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135327.D
 Acq On : 19 Sep 2023 02:00
 Operator : CG\JU
 Sample : 04445-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 02:20:33 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)

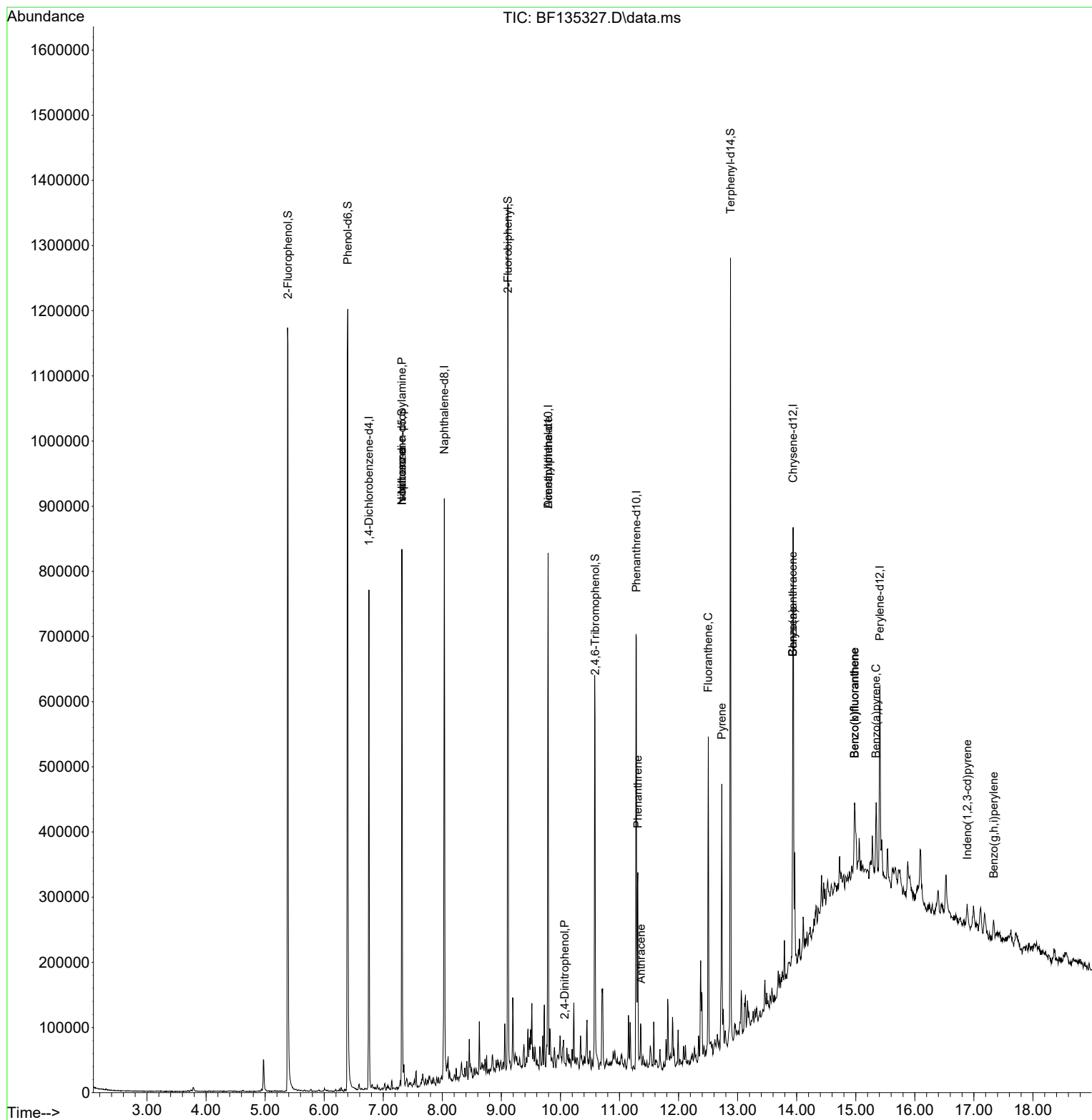
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	103083	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	350038	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	146437	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	261415	20.000	ng	0.00
76) Chrysene-d12	13.939	240	204022	20.000	ng	0.00
86) Perylene-d12	15.409	264	144726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	333525	52.624	ng	0.00
7) Phenol-d6	6.398	99	398917	49.499	ng	0.00
23) Nitrobenzene-d5	7.316	82	233163	36.189	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	68592	47.135	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	390399	40.222	ng	-0.02
79) Terphenyl-d14	12.880	244	391225	29.726	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.316	70	30297	6.069	ng	# 81
25) Isophorone	7.316	82	233159	19.708	ng	# 65
50) Dimethylphthalate	9.792	163	29476	2.977	ng	# 1
54) 2,4-Dinitrophenol	10.074	184	177	6.380	ng	# 18
71) Phenanthrene	11.310	178	112553	9.103	ng	99
72) Anthracene	11.363	178	25966	2.043	ng	95
75) Fluoranthene	12.504	202	189258	14.691	ng	99
78) Pyrene	12.733	202	155467	8.004	ng	99
81) Benzo(a)anthracene	13.933	228	71234	5.407	ng	98
83) Chrysene	13.933	228	71234	5.438	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	21268	2.241	ng	93
88) Benzo(b)fluoranthene	14.980	252	81679	10.425	ng	# 93
89) Benzo(k)fluoranthene	14.980	252	81679	10.554	ng	# 94
90) Benzo(a)pyrene	15.345	252	38115	5.102	ng	# 91
92) Benzo(g,h,i)perylene	17.339	276	20126	2.482	ng	97

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

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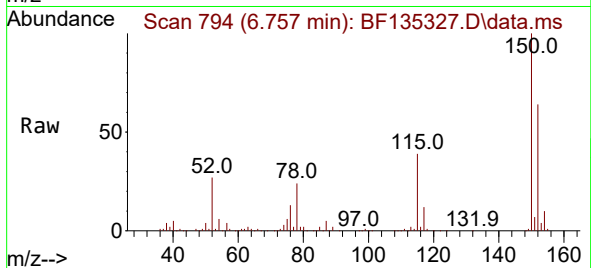
Quant Time: Sep 19 02:20:33 2023
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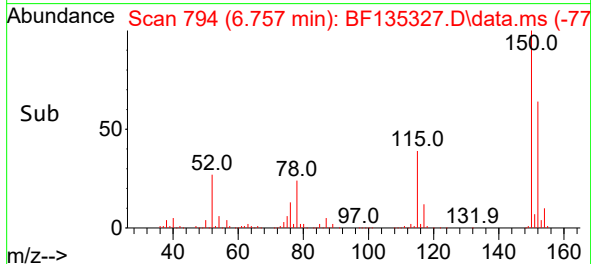
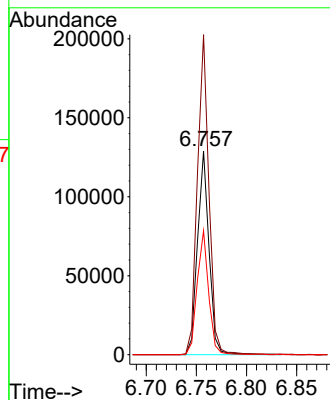


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

Instrument :
 BNA_F
 ClientSampleId :

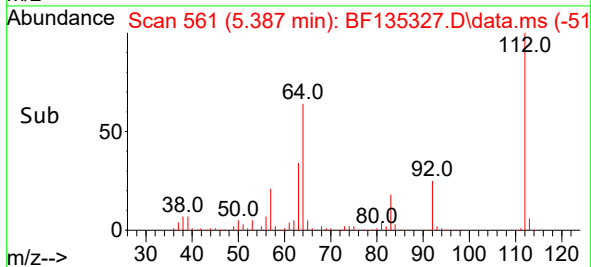
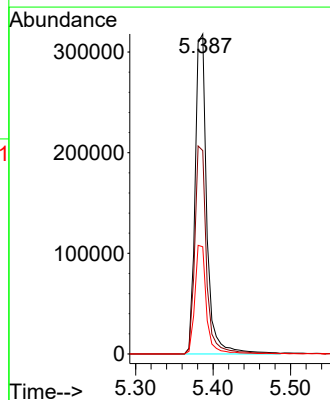
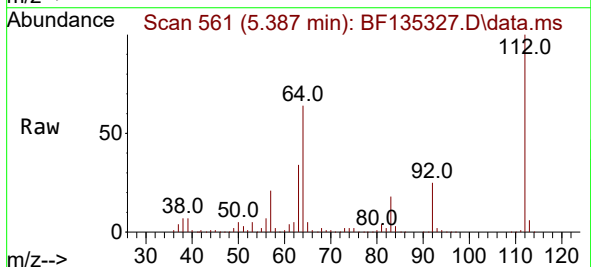


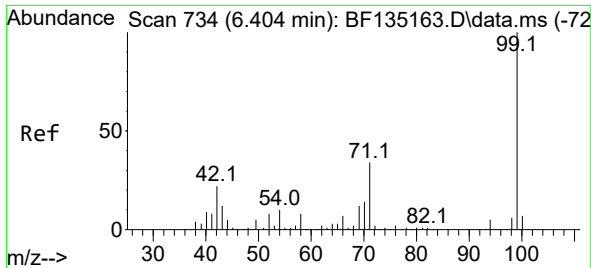
Tgt Ion:152 Resp: 103083
 Ion Ratio Lower Upper
 152 100
 150 157.1 127.8 191.6
 115 60.9 49.8 74.8



#5
 2-Fluorophenol
 Concen: 52.624 ng
 RT: 5.387 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

Tgt Ion:112 Resp: 333525
 Ion Ratio Lower Upper
 112 100
 64 63.6 55.9 83.9
 63 33.5 29.0 43.6

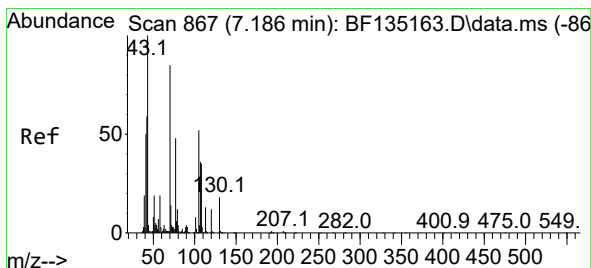
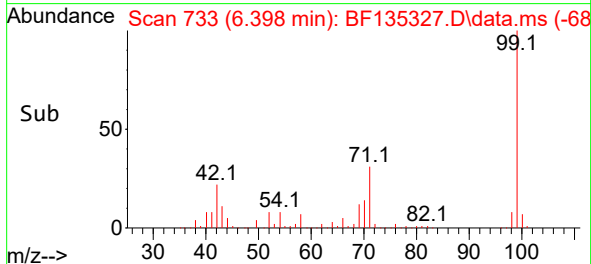
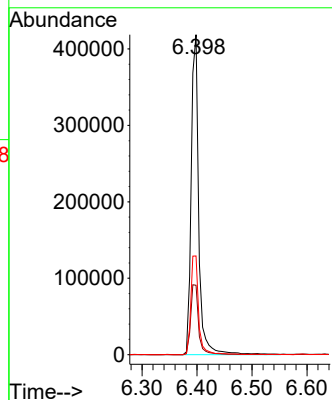
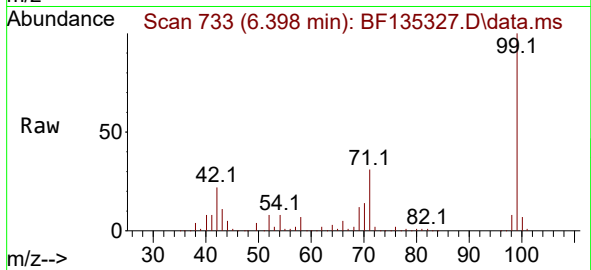




#7
Phenol-d6
Concen: 49.499 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

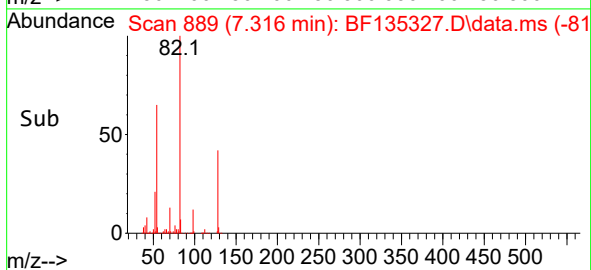
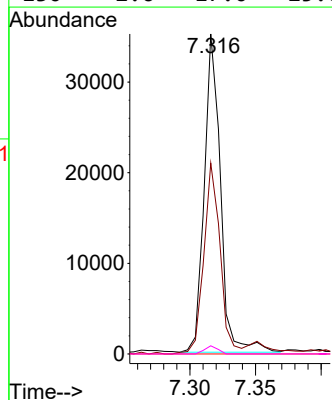
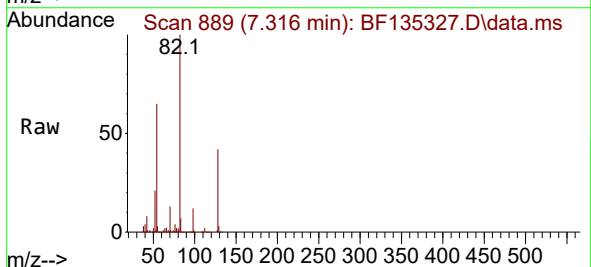
Instrument :
BNA_F
ClientSampleId :

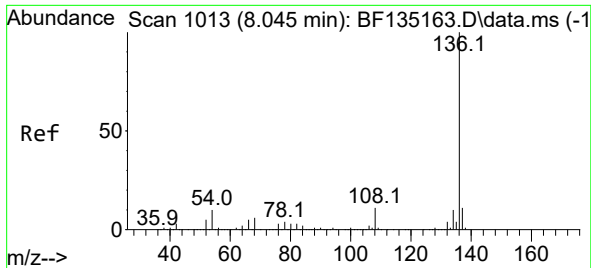
Tgt Ion: 99 Resp: 398917
Ion Ratio Lower Upper
99 100
42 21.7 17.9 26.9
71 30.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.069 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.129 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Tgt Ion: 70 Resp: 30297
Ion Ratio Lower Upper
70 100
42 59.7 55.4 83.0
101 0.0 7.7 11.5#
130 2.6 17.0 25.6#

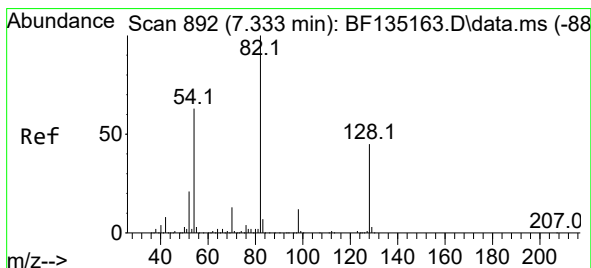
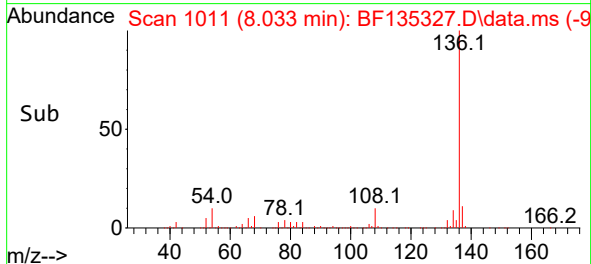
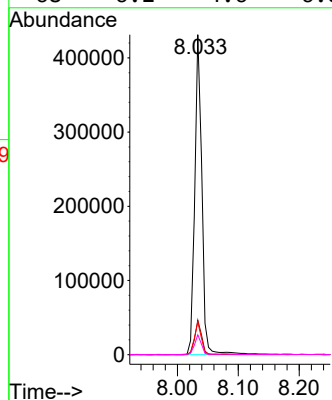
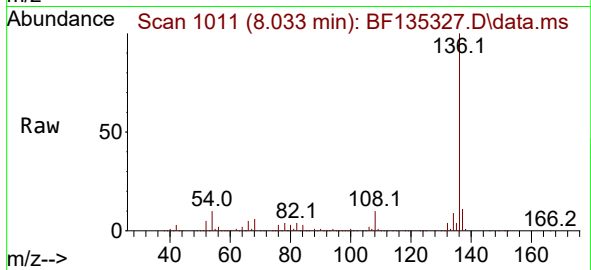




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

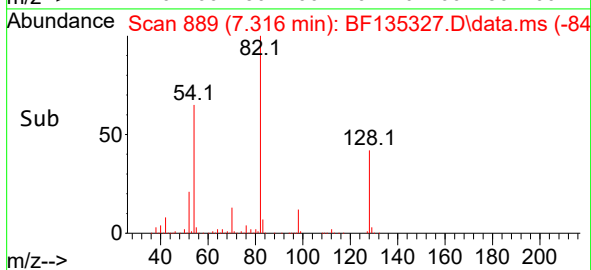
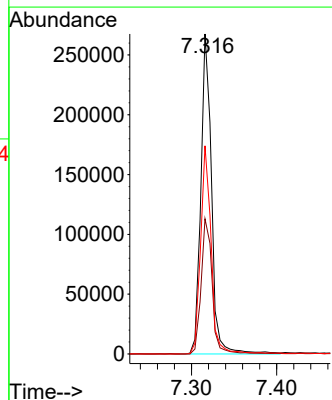
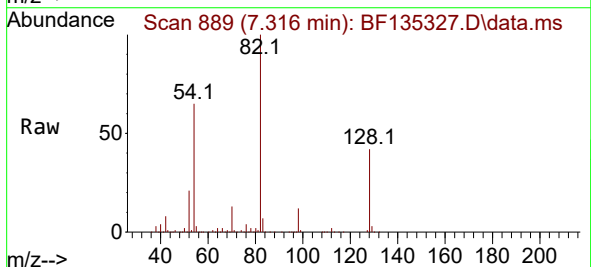
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 350038
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.2 7.7 11.5
68 6.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 36.189 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.018 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Tgt Ion: 82 Resp: 233163
Ion Ratio Lower Upper
82 100
128 42.3 35.8 53.6
54 65.1 50.6 76.0

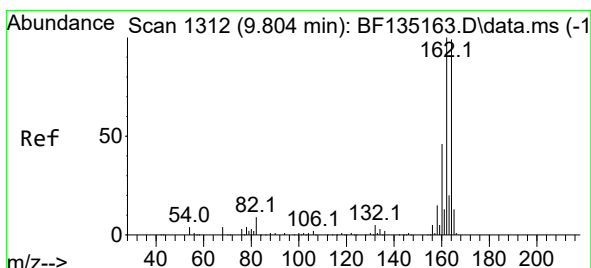
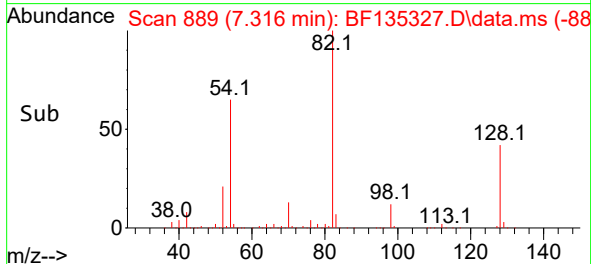
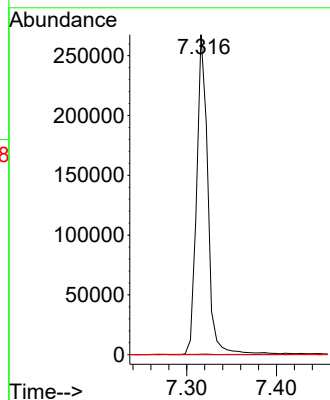
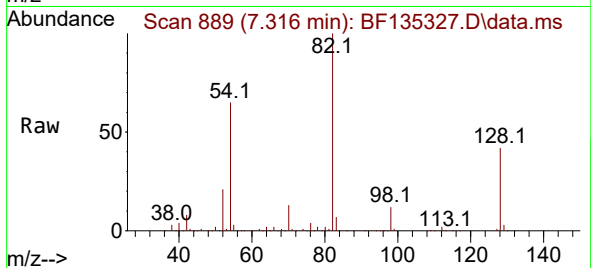




#25
Isophorone
Concen: 19.708 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

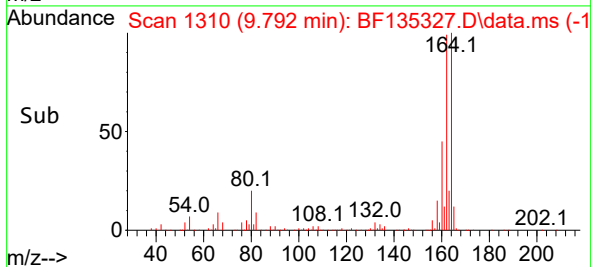
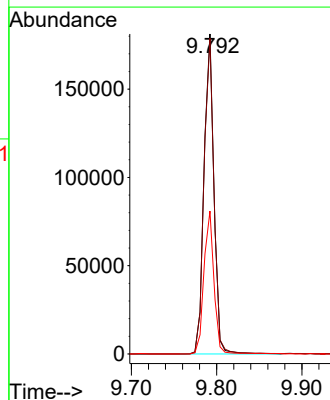
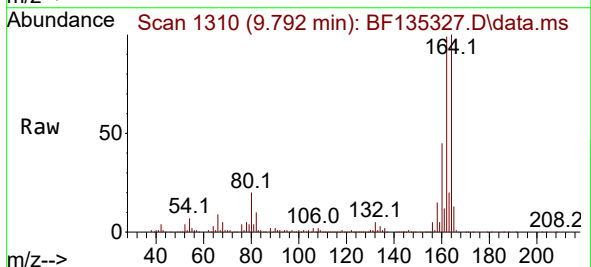
Instrument :
BNA_F
ClientSampleId :

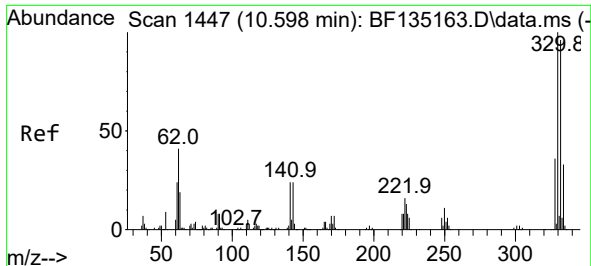
Tgt Ion: 82 Resp: 233159
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

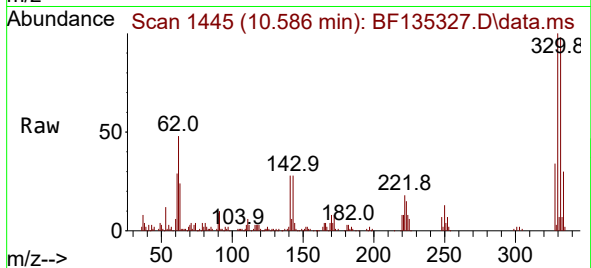
Tgt Ion:164 Resp: 146437
Ion Ratio Lower Upper
164 100
162 98.7 81.0 121.4
160 44.6 37.0 55.4



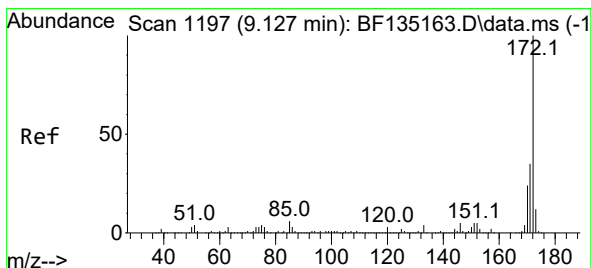
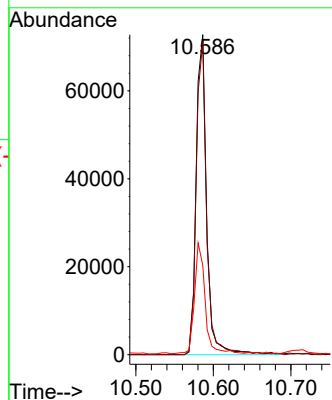
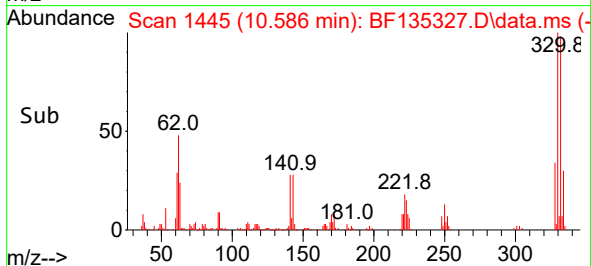


#42
 2,4,6-Tribromophenol
 Concen: 47.135 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

Instrument :
 BNA_F
 ClientSampleId :

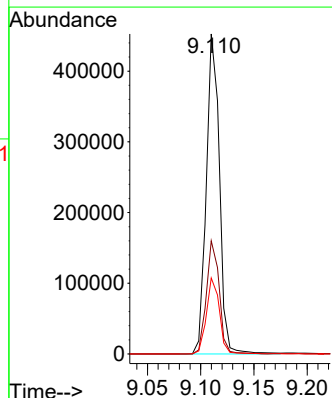
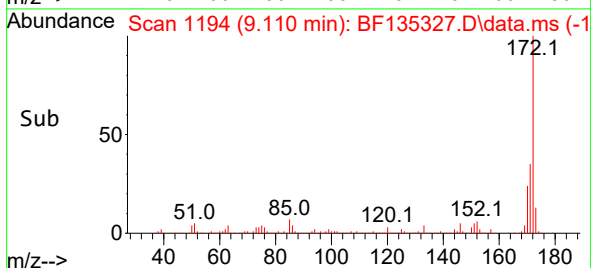
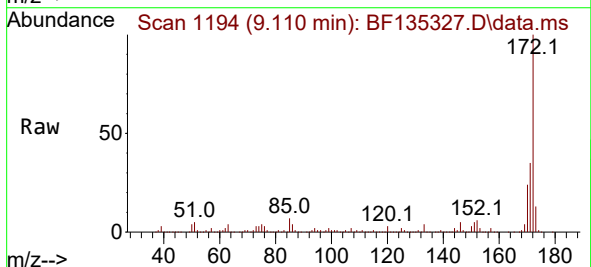


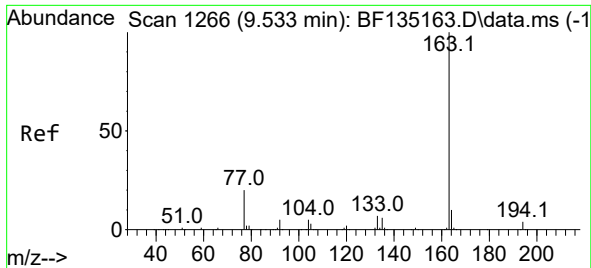
Tgt Ion:330 Resp: 68592
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 34.7 25.8 38.8



#45
 2-Fluorobiphenyl
 Concen: 40.222 ng
 RT: 9.110 min Scan# 1194
 Delta R.T. -0.018 min
 Lab File: BF135327.D
 Acq: 19 Sep 2023 02:00

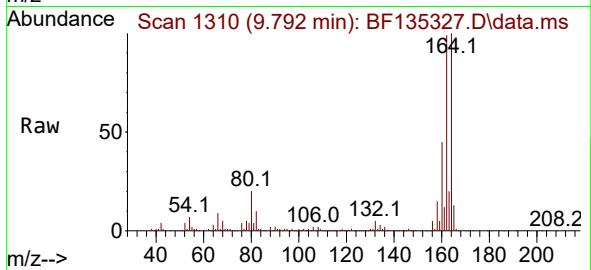
Tgt Ion:172 Resp: 390399
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.4 42.6
 170 23.8 19.0 28.4



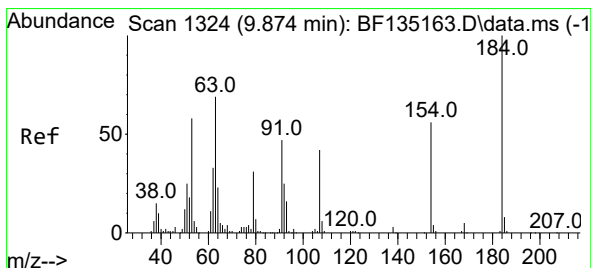
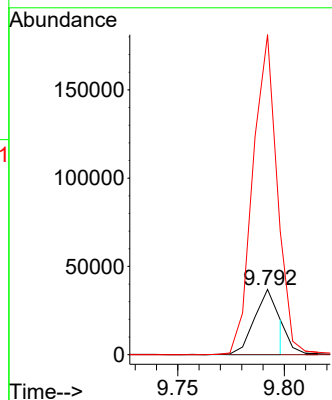
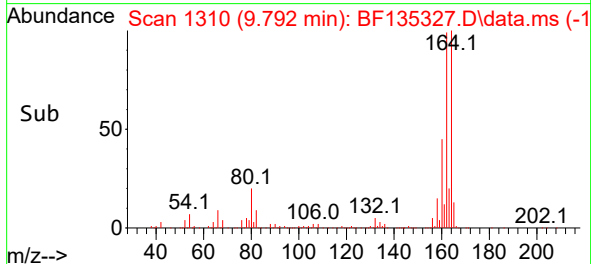


#50
Dimethylphthalate
Concen: 2.977 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

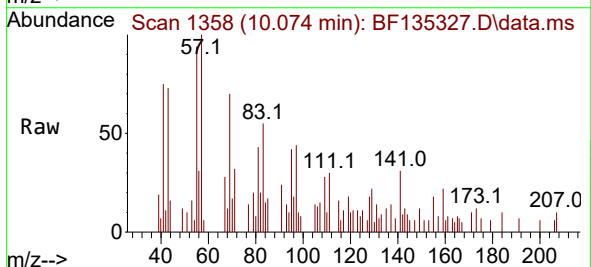
Instrument :
BNA_F
ClientSampleId :



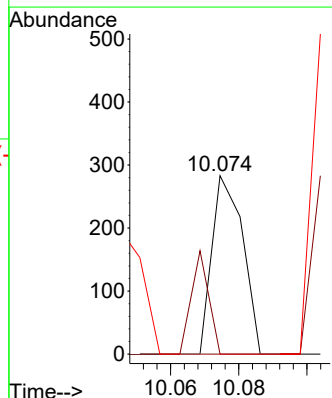
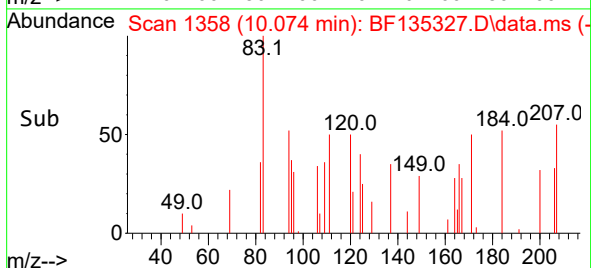
Tgt Ion:163 Resp: 29476
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 490.3 8.1 12.1#

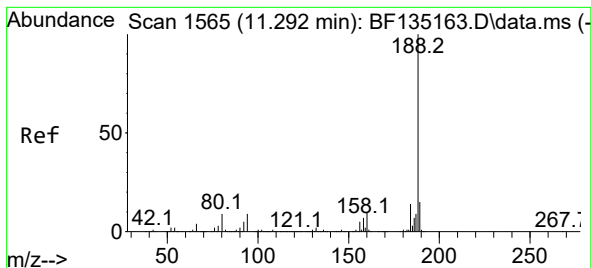


#54
2,4-Dinitrophenol
Concen: 6.380 ng
RT: 10.074 min Scan# 1358
Delta R.T. 0.200 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00



Tgt Ion:184 Resp: 177
Ion Ratio Lower Upper
184 100
63 0.0 55.1 82.7#
154 0.0 48.4 72.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

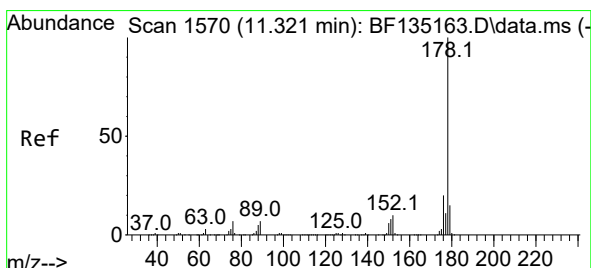
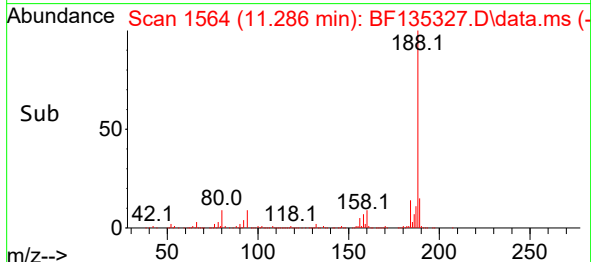
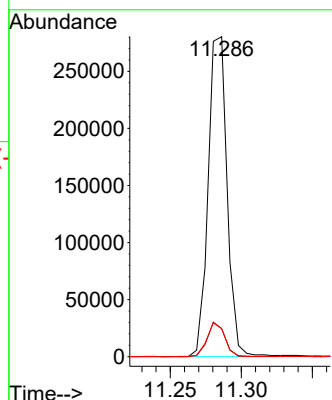
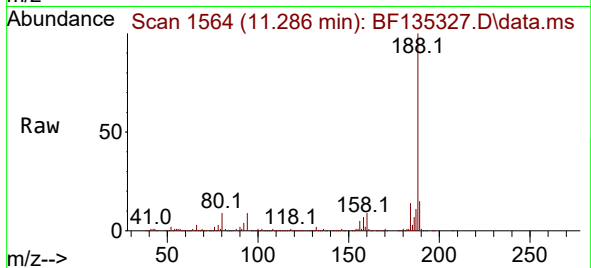
Tgt Ion:188 Resp: 261415

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 8.7 7.5 11.3



#71

Phenanthrene

Concen: 9.103 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

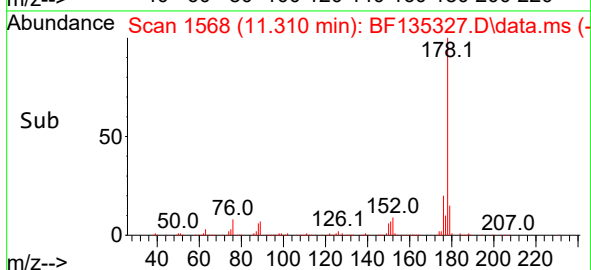
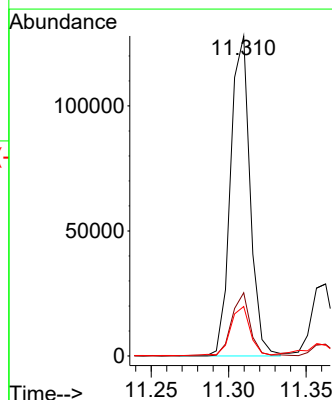
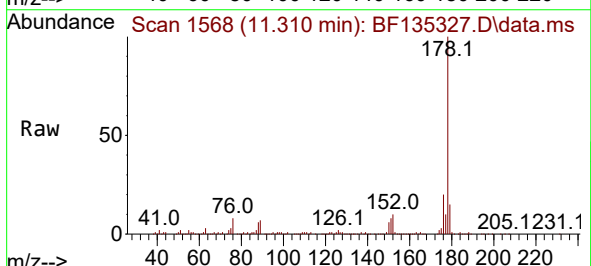
Tgt Ion:178 Resp: 112553

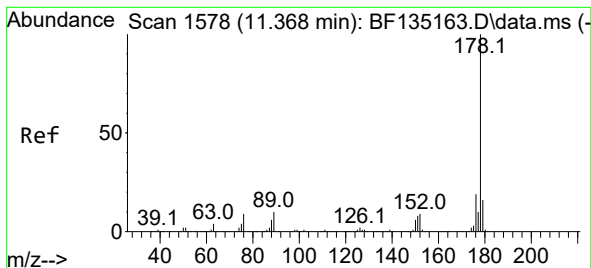
Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

179 15.5 12.0 18.0





#72

Anthracene

Concen: 2.043 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

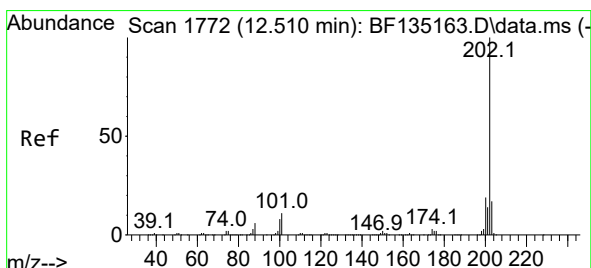
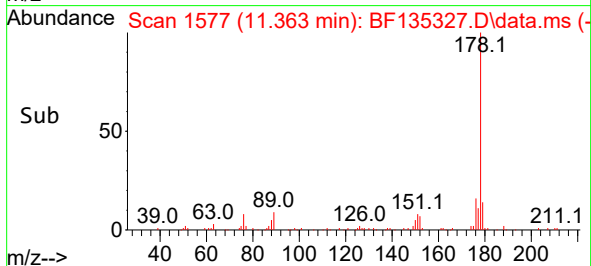
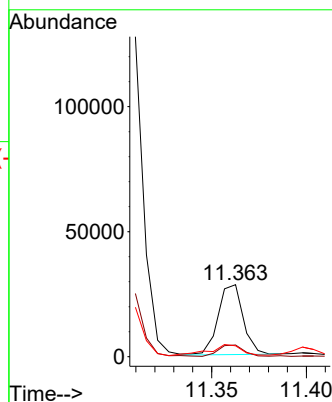
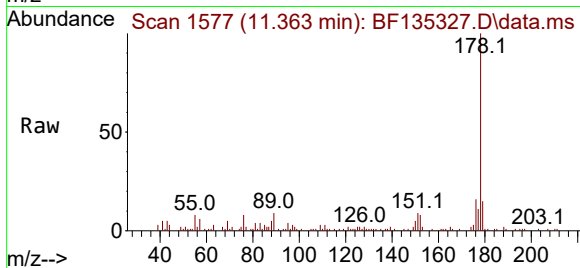
Tgt Ion:178 Resp: 25966

Ion Ratio Lower Upper

178 100

176 16.1 15.4 23.2

179 15.1 12.6 19.0



#75

Fluoranthene

Concen: 14.691 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

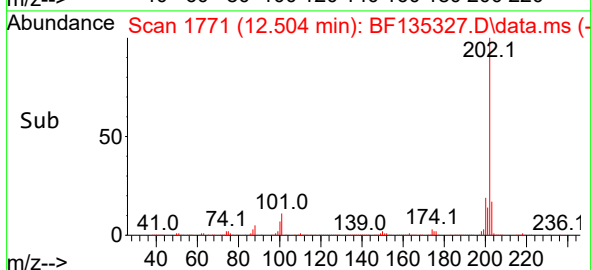
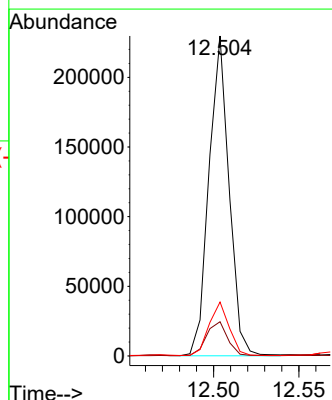
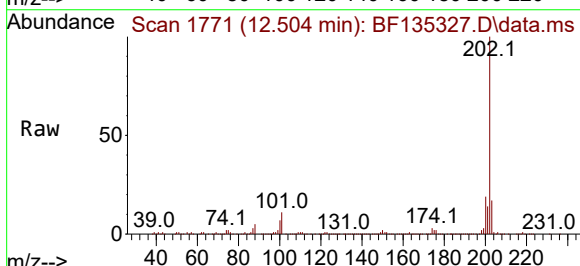
Tgt Ion:202 Resp: 189258

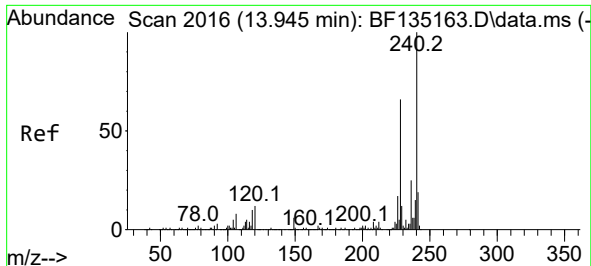
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.3

203 16.8 0.0 37.4

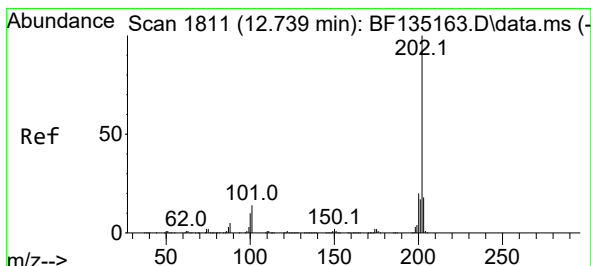
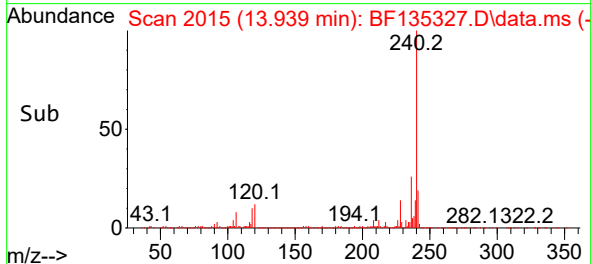
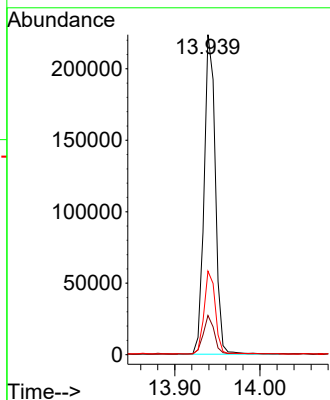
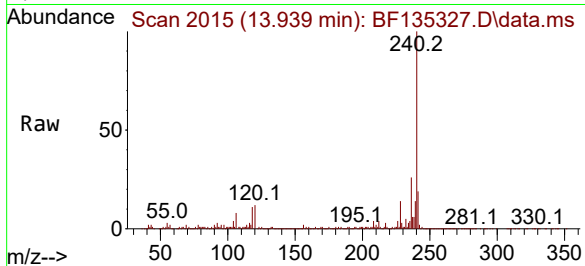




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

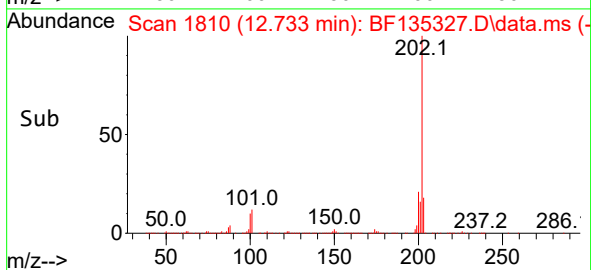
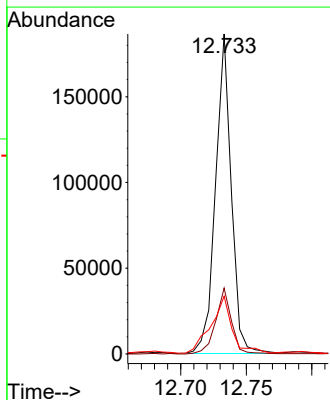
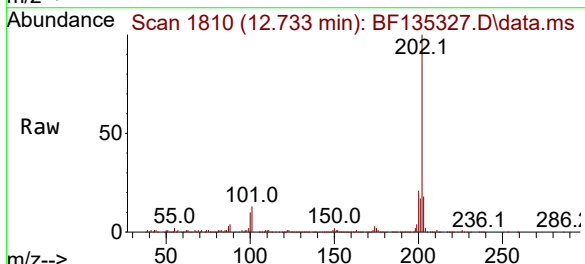
Instrument :
BNA_F
ClientSampleId :

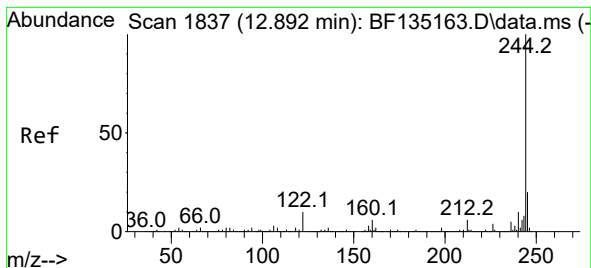
Tgt Ion:240 Resp: 204022
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 26.1 19.8 29.8



#78
Pyrene
Concen: 8.004 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Tgt Ion:202 Resp: 155467
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.1 14.2 21.4





#79

Terphenyl-d14

Concen: 29.726 ng

RT: 12.880 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

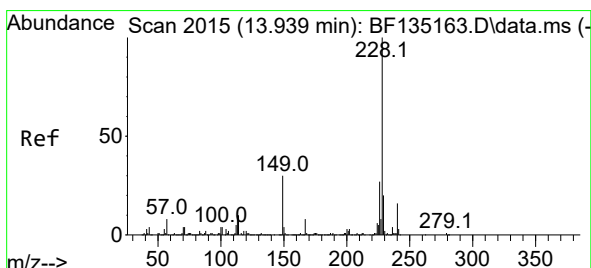
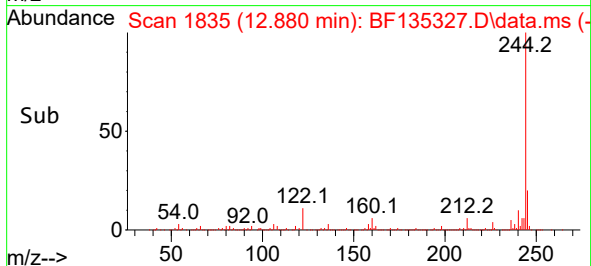
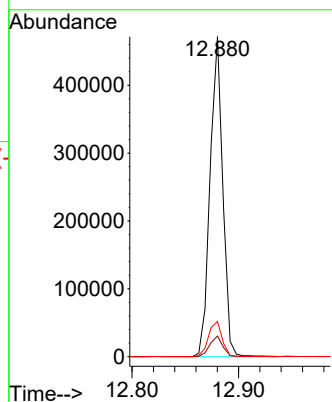
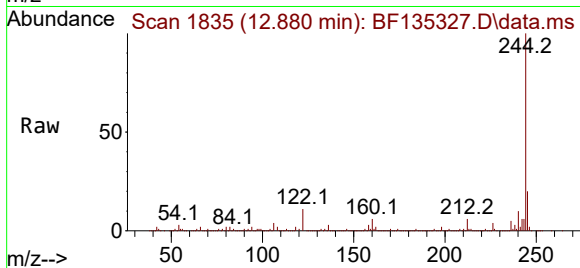
Tgt Ion:244 Resp: 391225

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.0 7.9 11.9



#81

Benzo(a)anthracene

Concen: 5.407 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

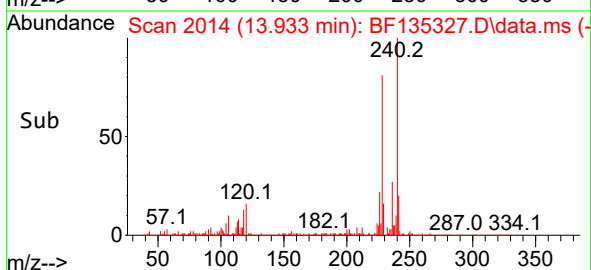
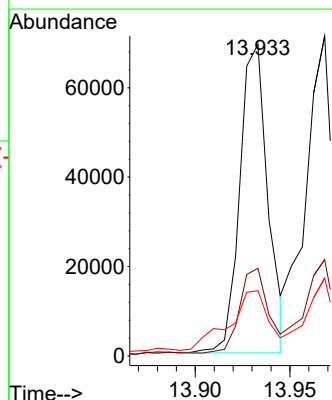
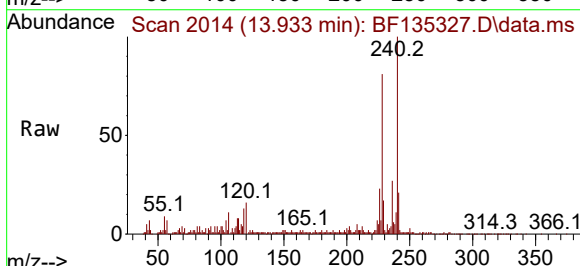
Tgt Ion:228 Resp: 71234

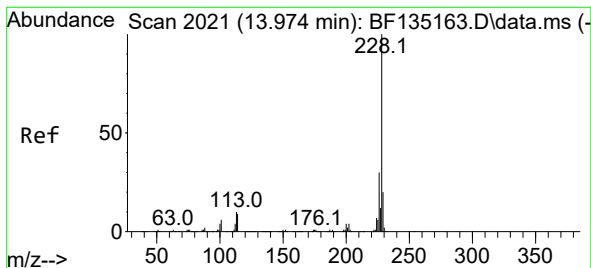
Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

229 21.0 15.8 23.8





#83

Chrysene

Concen: 5.438 ng

RT: 13.933 min Scan# 2021

Delta R.T. -0.041 min

Lab File: BF135327.D

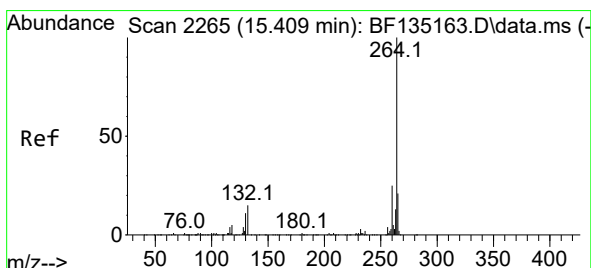
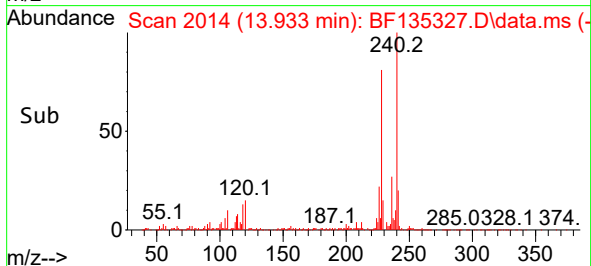
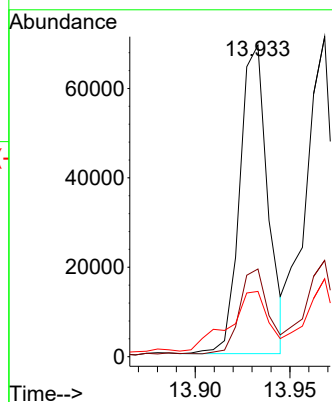
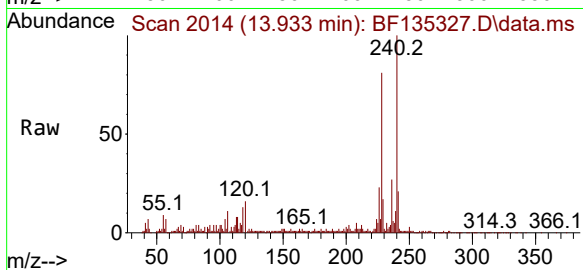
Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp: 71234
Ion Ratio	Lower Upper
228	100
226	28.2 24.3 36.5
229	21.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

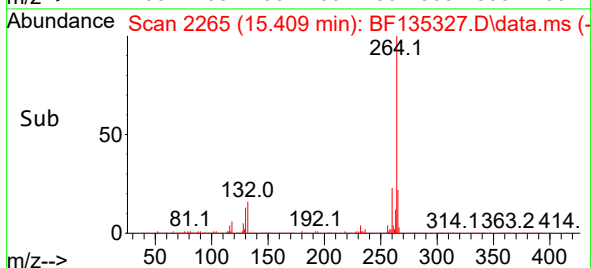
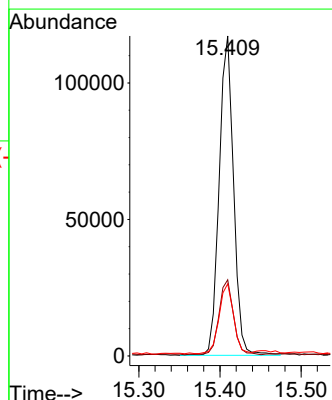
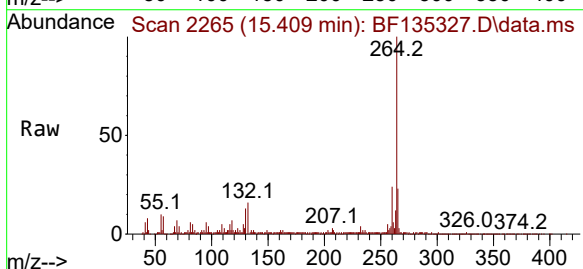
RT: 15.409 min Scan# 2265

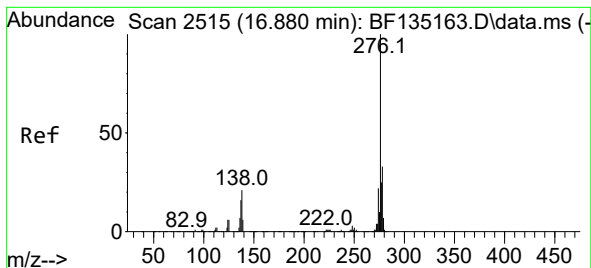
Delta R.T. 0.000 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Tgt Ion:264	Resp: 144726
Ion Ratio	Lower Upper
264	100
260	23.8 19.8 29.6
265	22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.241 ng

RT: 16.886 min Scan# 2116

Delta R.T. 0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :

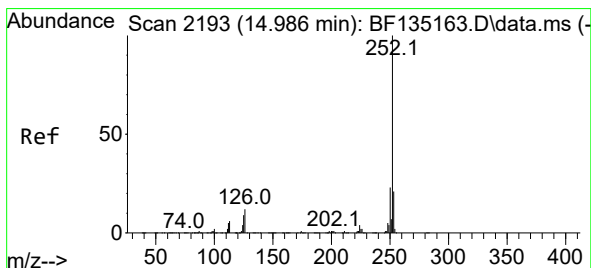
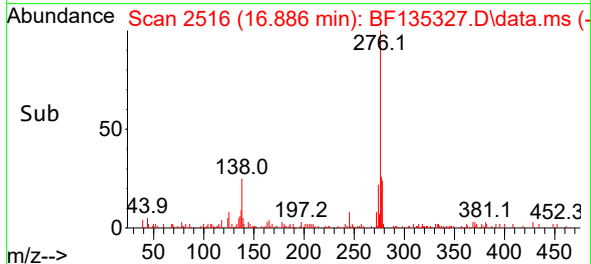
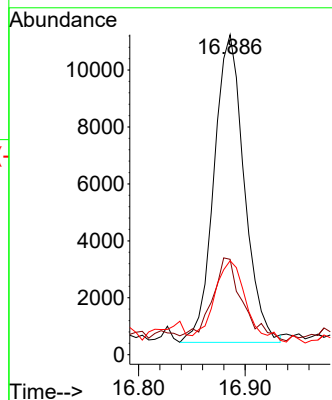
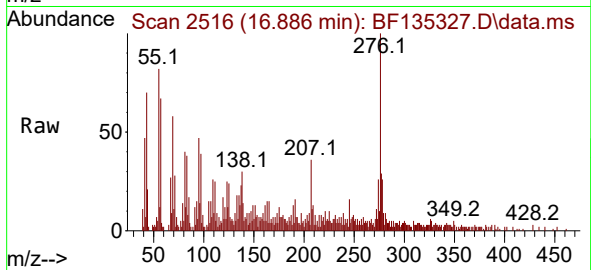
Tgt Ion:276 Resp: 21268

Ion Ratio Lower Upper

276 100

138 27.8 19.2 28.8

277 27.7 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 10.425 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

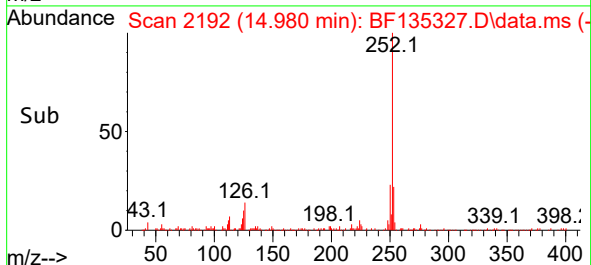
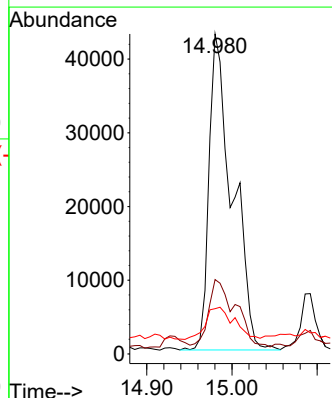
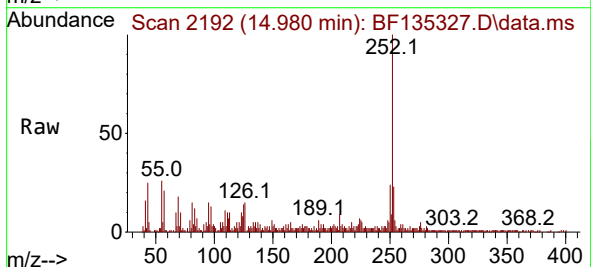
Tgt Ion:252 Resp: 81679

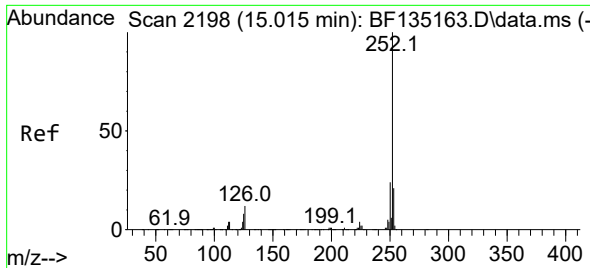
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 14.1 7.1 10.7#

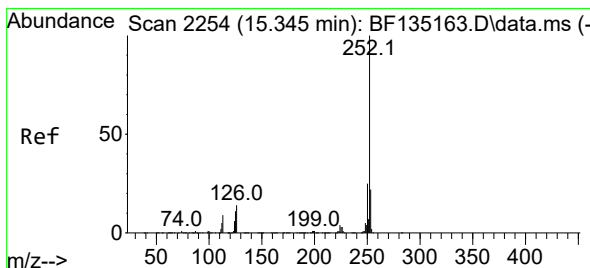
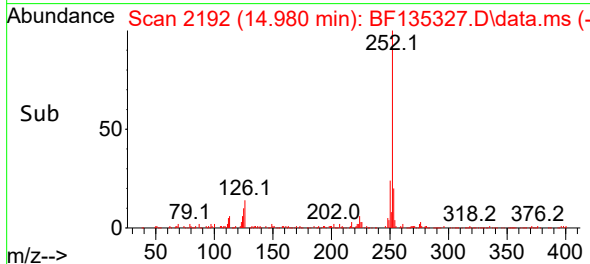
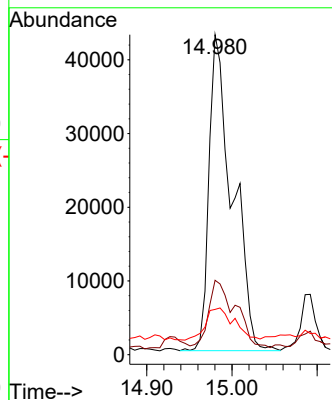
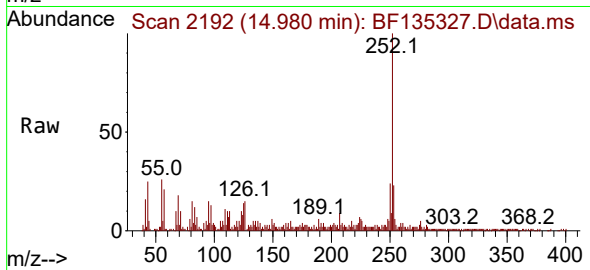




#89
Benzo(k)fluoranthene
Concen: 10.554 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

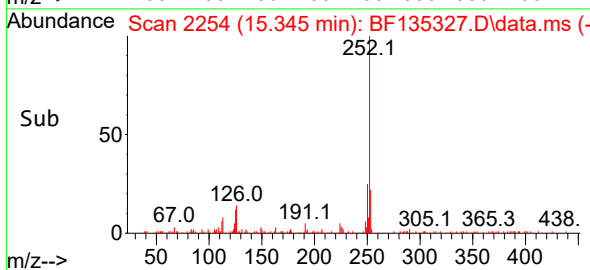
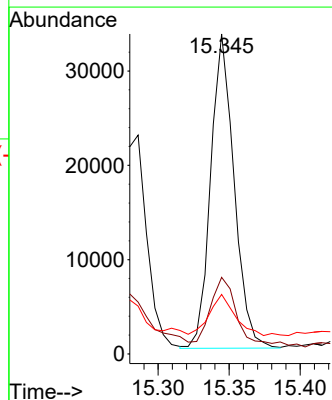
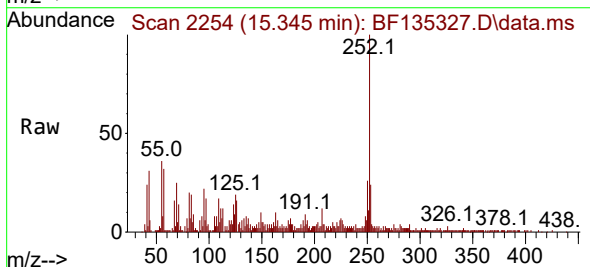
Instrument :
BNA_F
ClientSampleId :

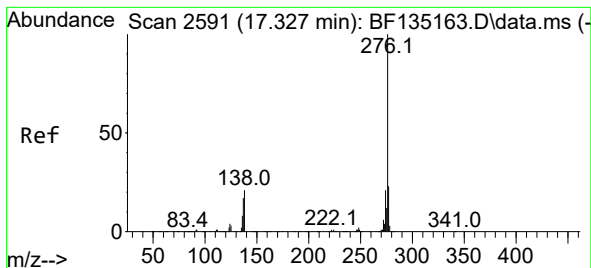
Tgt Ion:252 Resp: 81679
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 14.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 5.102 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135327.D
Acq: 19 Sep 2023 02:00

Tgt Ion:252 Resp: 38115
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 18.6 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.482 ng

RT: 17.339 min Scan# 20126

Delta R.T. 0.012 min

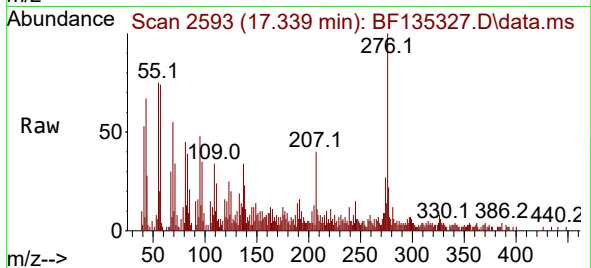
Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 276 Resp: 20126

Ion Ratio Lower Upper

276 100

277 22.3 18.8 28.2

138 22.9 16.9 25.3

