

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135459.D
 Acq On : 26 Sep 2023 18:27
 Operator : CG\JU
 Sample : 04531-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-BCD

Quant Time: Sep 27 02:15:42 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 26 01:36:36 2023
 Response via : Initial Calibration

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

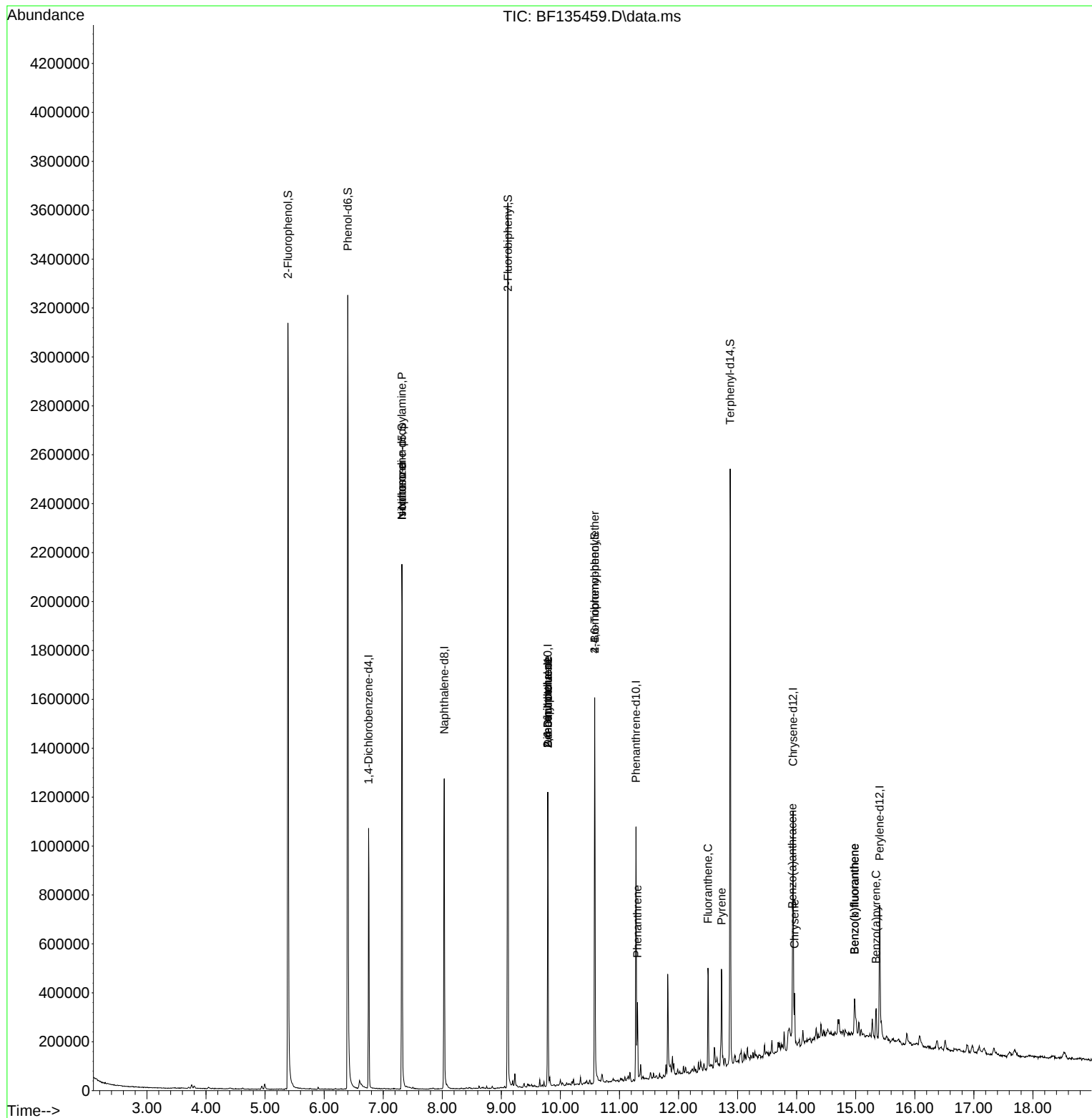
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	151093	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	551007	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	236383	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	358987	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	286198	20.000	ng	0.00
86) Perylene-d12	15.404	264	258612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	937513	100.919	ng	0.00
7) Phenol-d6	6.398	99	1176702	99.615	ng	0.00
23) Nitrobenzene-d5	7.316	82	708474	69.856	ng	0.00
42) 2,4,6-Tribromophenol	10.581	330	172208	73.309	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1130325	72.143	ng	0.00
79) Terphenyl-d14	12.874	244	904201	48.976	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.316	70	92045	12.580	ng	# 80
25) Isophorone	7.316	82	708469	38.042	ng	# 65
50) Dimethylphthalate	9.786	163	42635	2.668	ng	# 1
51) 2,6-Dinitrotoluene	9.786	165	29717	8.488	ng	# 17
57) 2,4-Dinitrotoluene	9.786	165	29717	6.780	ng	# 18
67) 4-Bromophenyl-phenylether	10.581	248	11500	3.221	ng	# 1
71) Phenanthrene	11.304	178	104451	6.152	ng	99
75) Fluoranthene	12.498	202	174688	9.874	ng	97
78) Pyrene	12.727	202	166198	6.099	ng	98
81) Benzo(a)anthracene	13.927	228	86647	4.689	ng	96
83) Chrysene	13.963	228	78751	4.286	ng	98
88) Benzo(b)fluoranthene	14.980	252	105908	7.565	ng	# 91
89) Benzo(k)fluoranthene	14.980	252	105908	7.658	ng	# 92
90) Benzo(a)pyrene	15.345	252	52948	3.966	ng	# 92

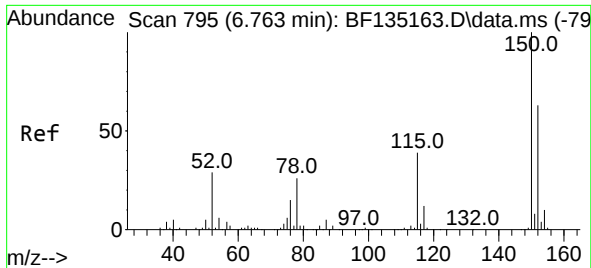
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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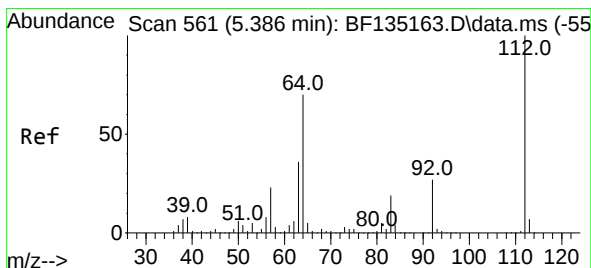
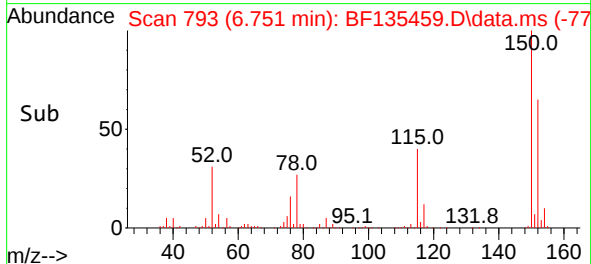
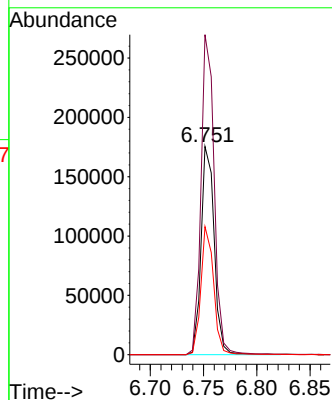
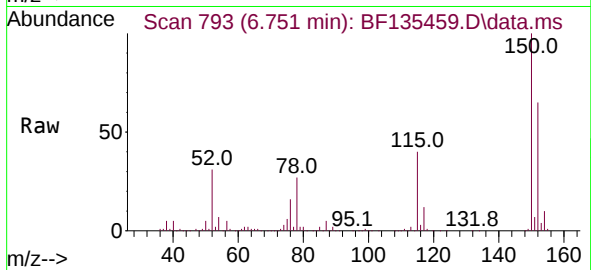




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

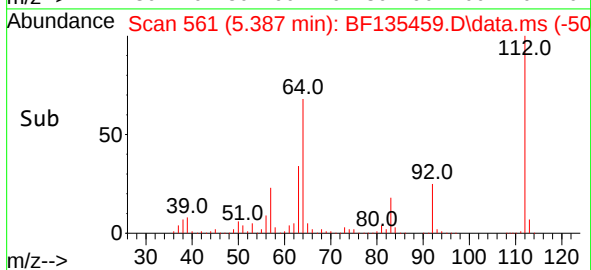
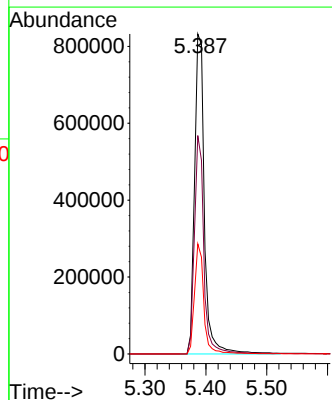
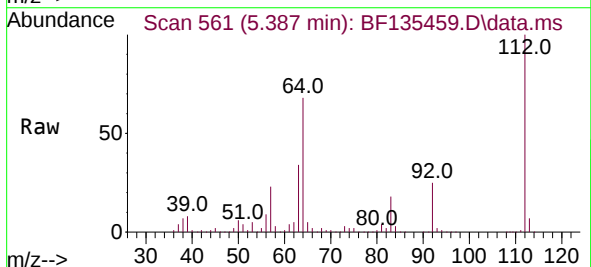
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BNA_F
ClientSampleId :
TP-BCD

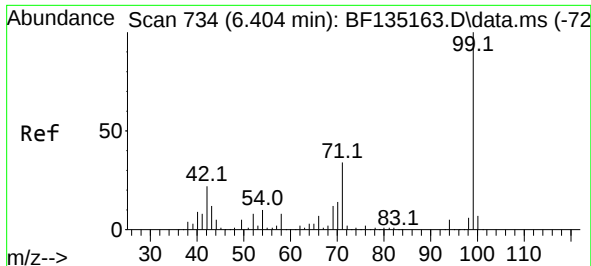
Tgt Ion:152 Resp: 151093
Ion Ratio Lower Upper
152 100
150 153.7 127.8 191.6
115 61.5 49.8 74.8



#5
2-Fluorophenol
Concen: 100.919 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:112 Resp: 937513
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 34.4 29.0 43.6

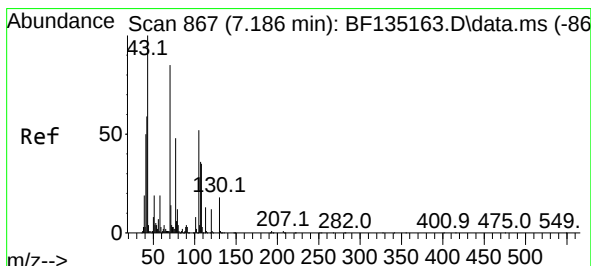
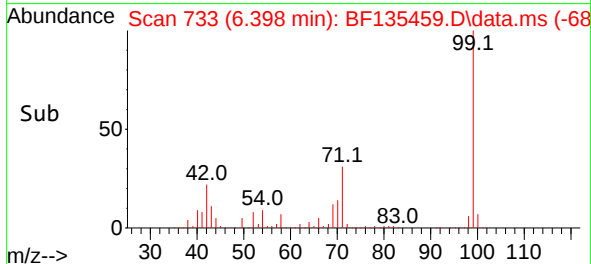
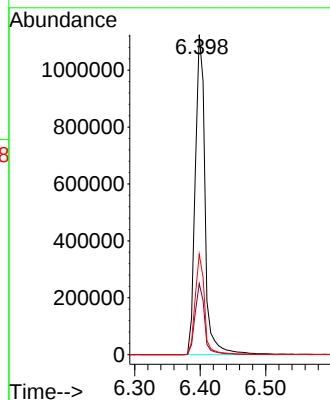
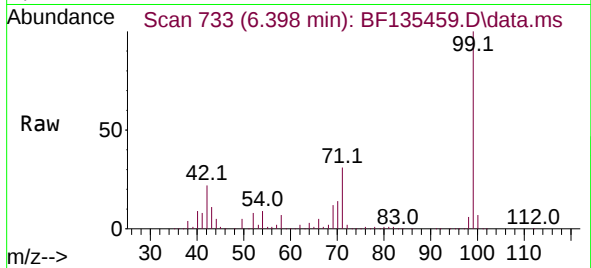




#7
Phenol-d6
Concen: 99.615 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

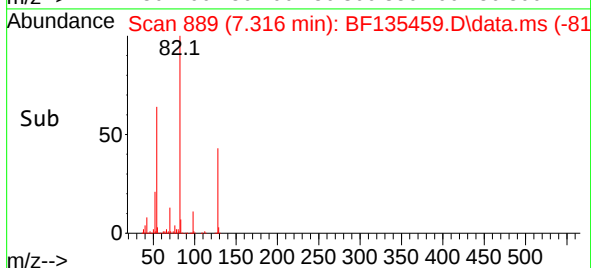
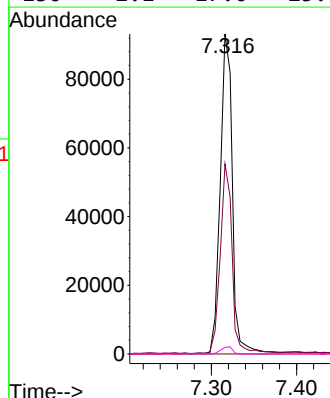
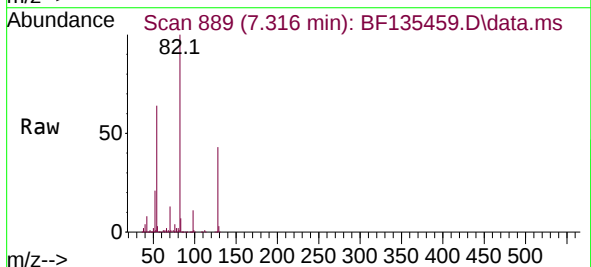
Instrument :
BNA_F
ClientSampleId :
TP-BCD

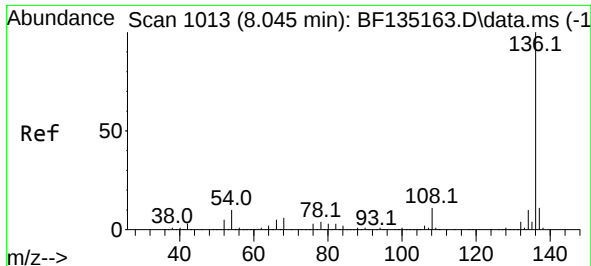
Tgt Ion: 99 Resp: 1176702
Ion Ratio Lower Upper
99 100
42 22.2 17.9 26.9
71 31.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.580 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion: 70 Resp: 92045
Ion Ratio Lower Upper
70 100
42 59.3 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

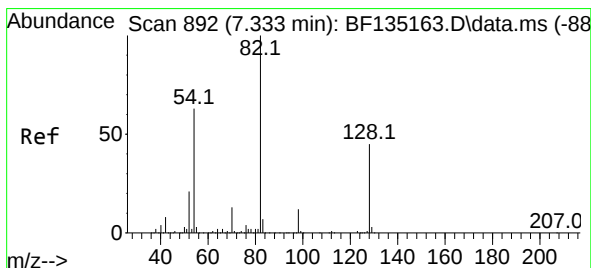
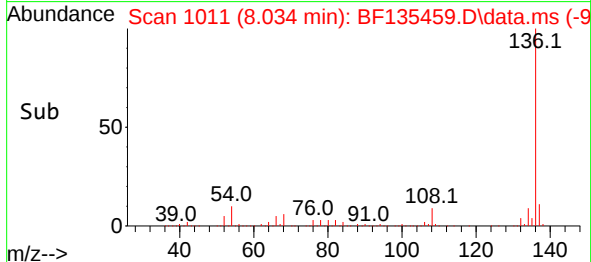
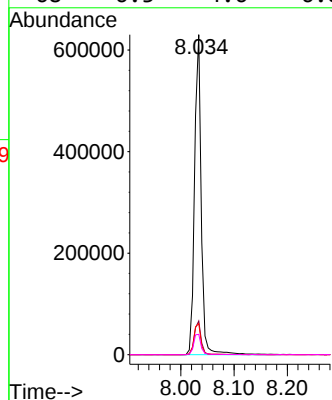
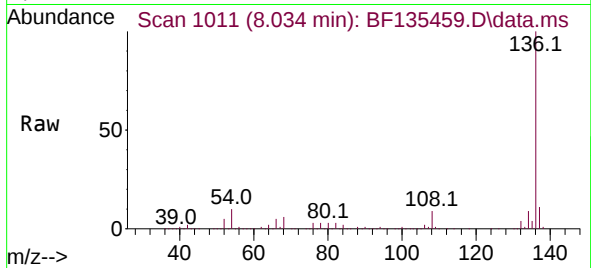




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

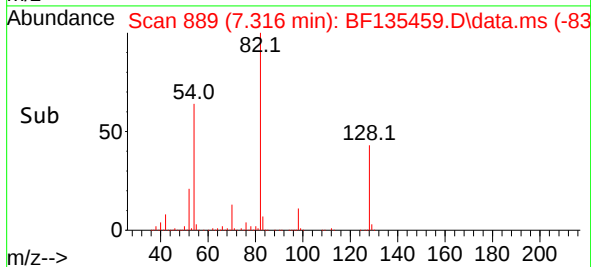
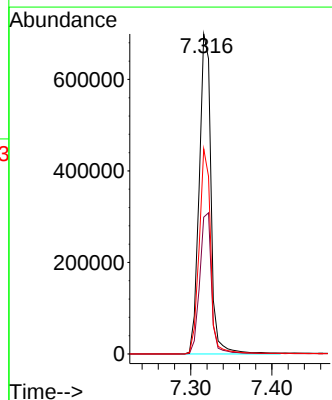
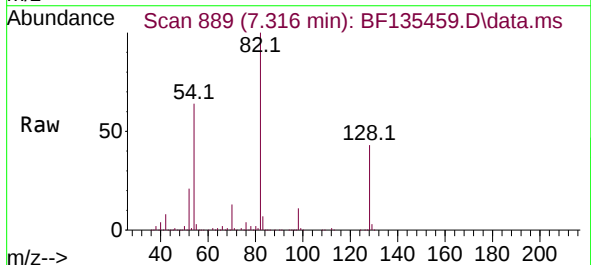
Instrument :
BNA_F
ClientSampleId :
TP-BCD

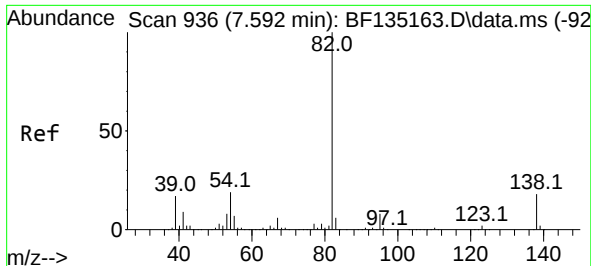
Tgt Ion:136 Resp: 551007
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 9.7 7.7 11.5
68 6.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 69.856 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion: 82 Resp: 708474
Ion Ratio Lower Upper
82 100
128 42.8 35.8 53.6
54 64.1 50.6 76.0

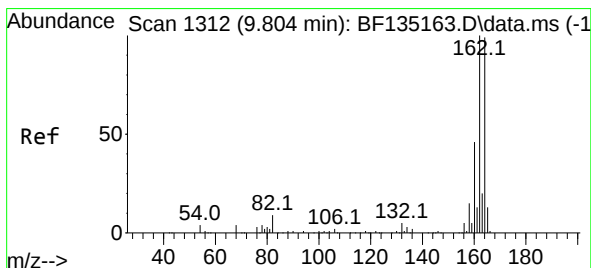
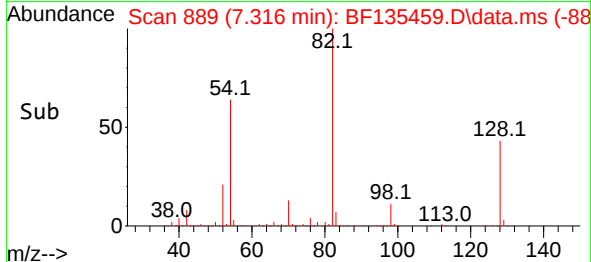
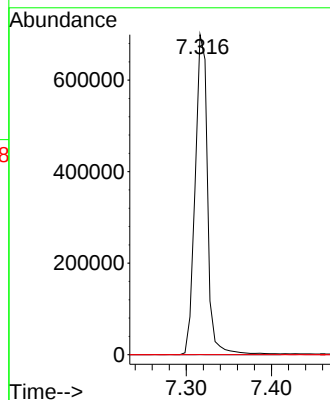
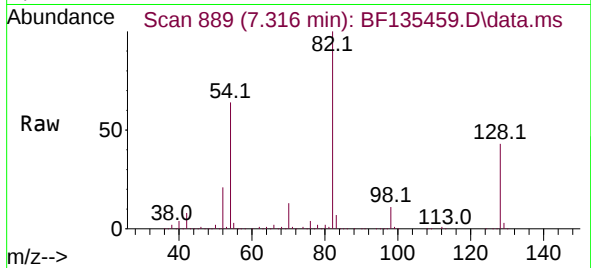




#25
Isophorone
Concen: 38.042 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

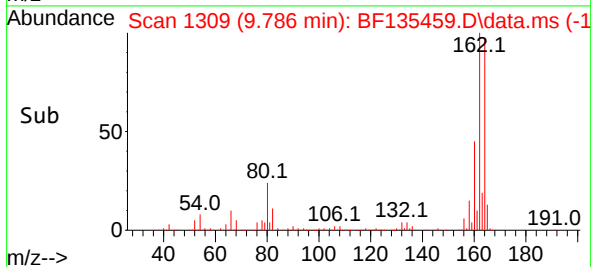
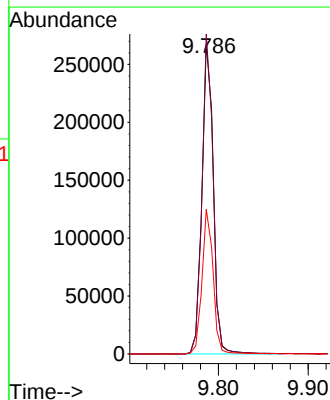
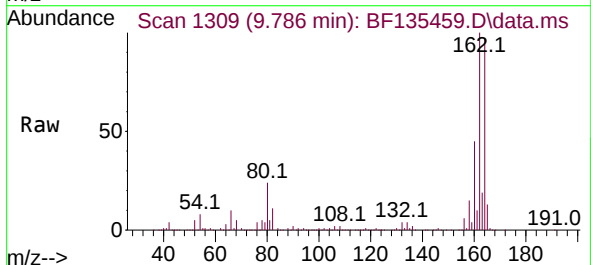
Instrument :
BNA_F
ClientSampleId :
TP-BCD

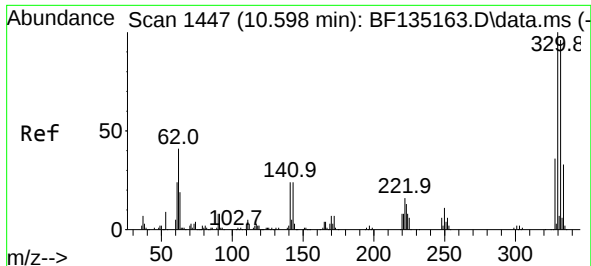
Tgt Ion: 82 Resp: 708469
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:164 Resp: 236383
Ion Ratio Lower Upper
164 100
162 103.3 81.0 121.4
160 46.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 73.309 ng

RT: 10.581 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

TP-BCD

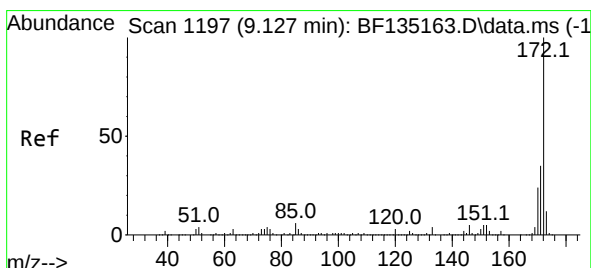
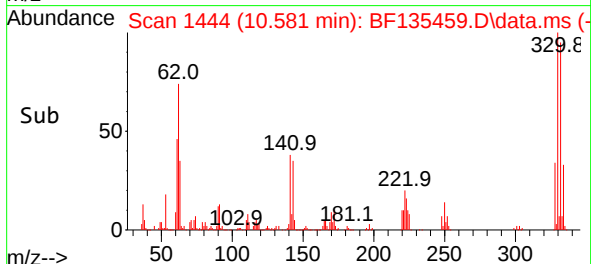
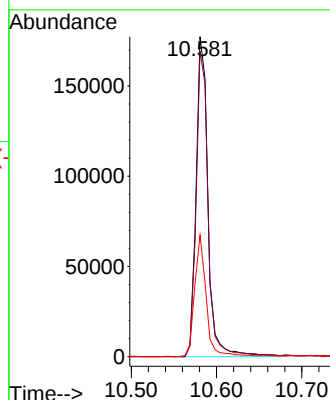
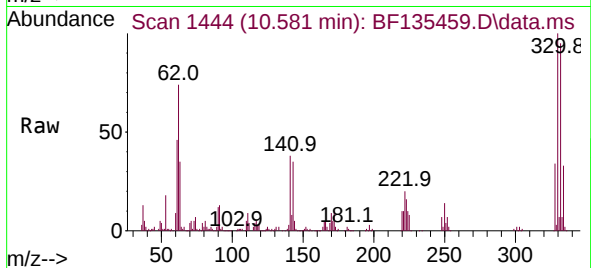
Tgt Ion:330 Resp: 172208

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

141 36.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 72.143 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

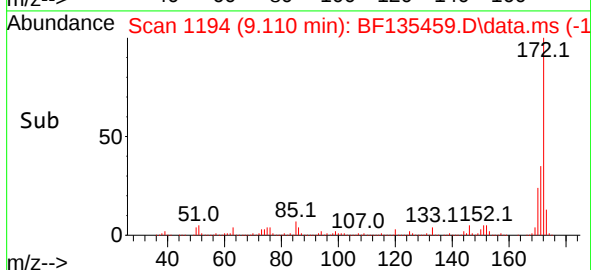
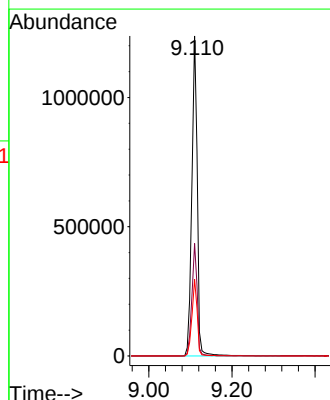
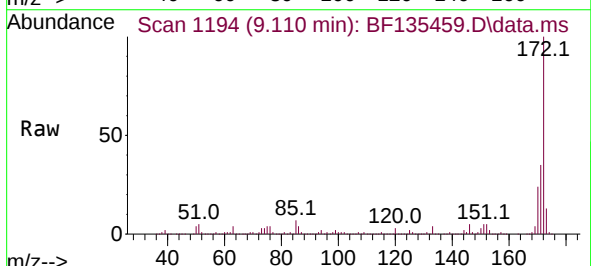
Tgt Ion:172 Resp: 1130325

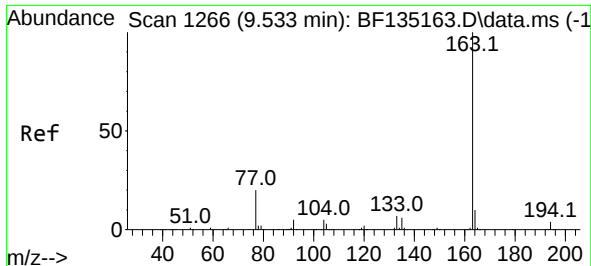
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 24.0 19.0 28.4

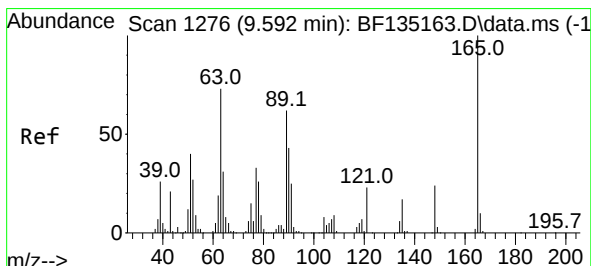
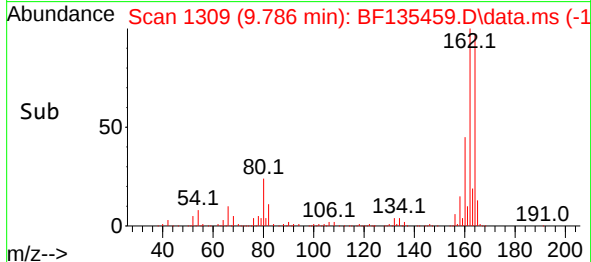
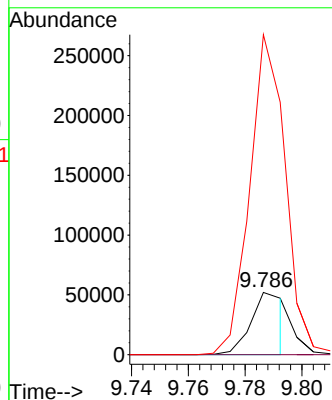
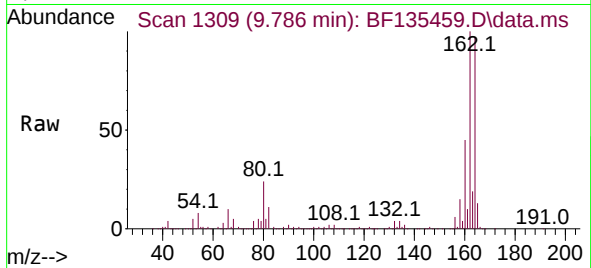




#50
Dimethylphthalate
Concen: 2.668 ng
RT: 9.786 min Scan# 1309
Delta R.T. 0.265 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

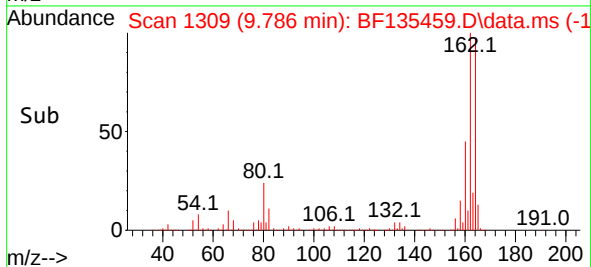
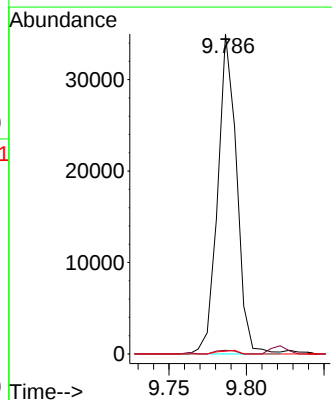
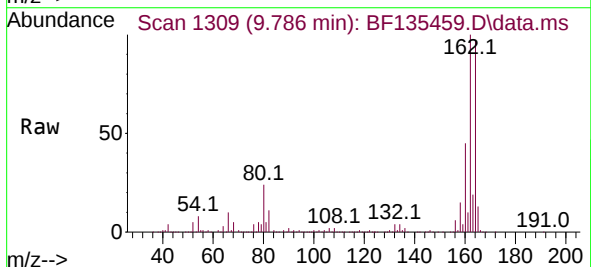
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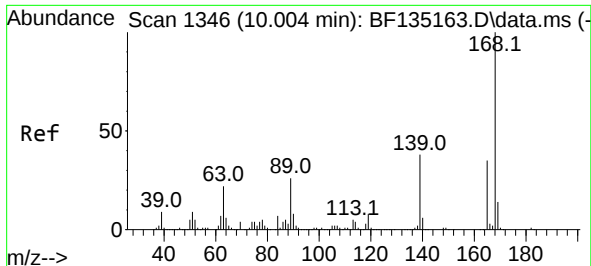
Tgt Ion:163 Resp: 42635
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 513.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.488 ng
RT: 9.786 min Scan# 1309
Delta R.T. 0.200 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:165 Resp: 29717
Ion Ratio Lower Upper
165 100
63 1.2 59.4 89.2#
89 0.9 49.8 74.8#

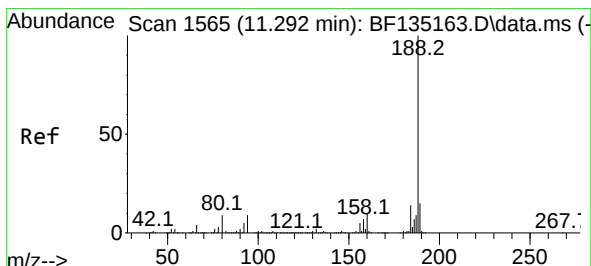
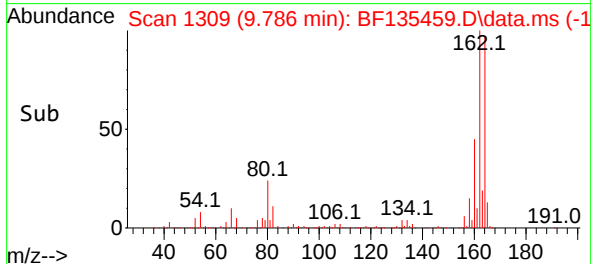
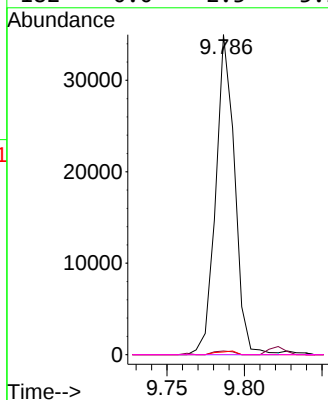
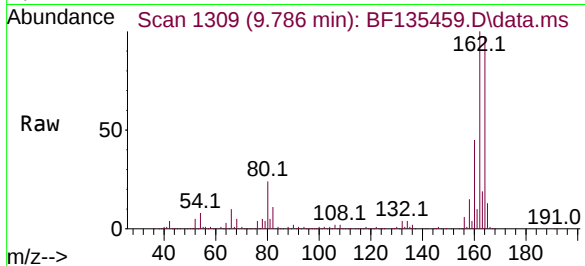




#57
2,4-Dinitrotoluene
Concen: 6.780 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

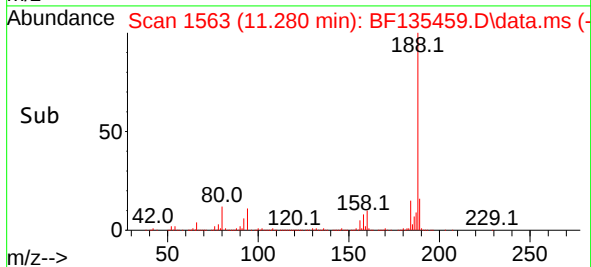
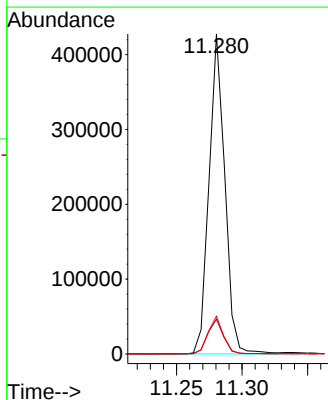
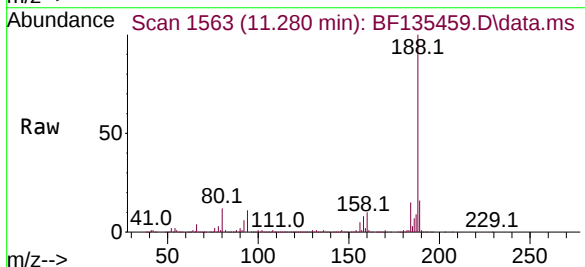
Instrument :
BNA_F
ClientSampleId :
TP-BCD

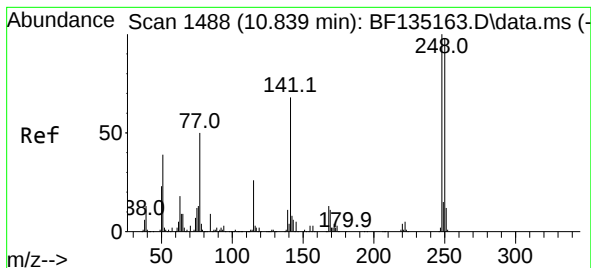
Tgt Ion:165 Resp: 29717
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 0.9 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:188 Resp: 358987
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6#
80 11.8 7.5 11.3#

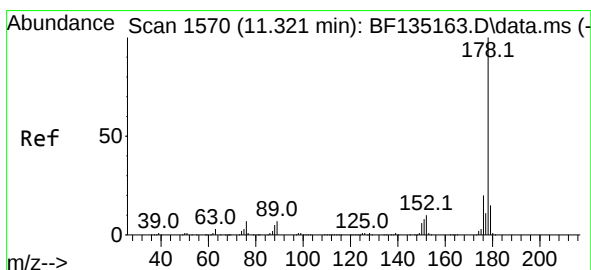
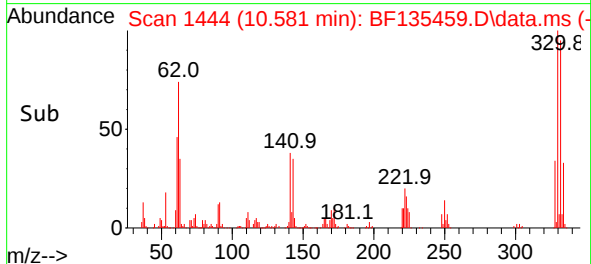
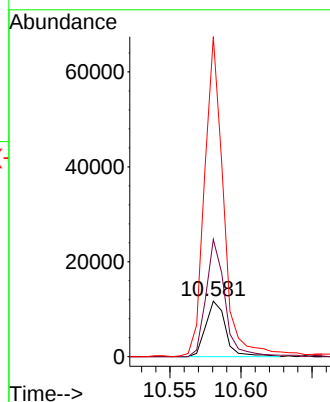
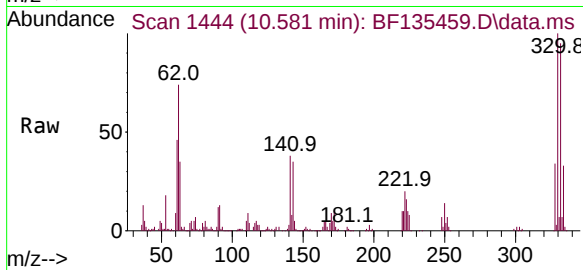




#67
4-Bromophenyl-phenylether
Concen: 3.221 ng
RT: 10.581 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

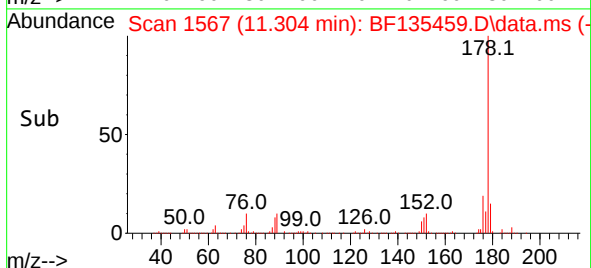
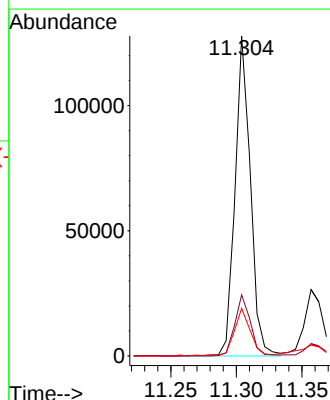
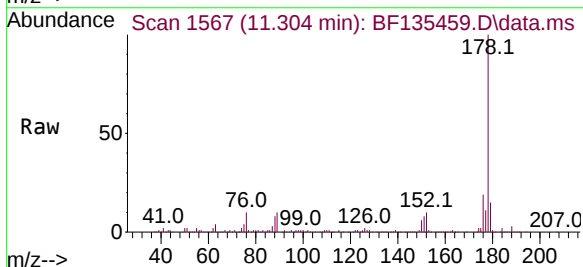
Instrument :
BNA_F
ClientSampleId :
TP-BCD

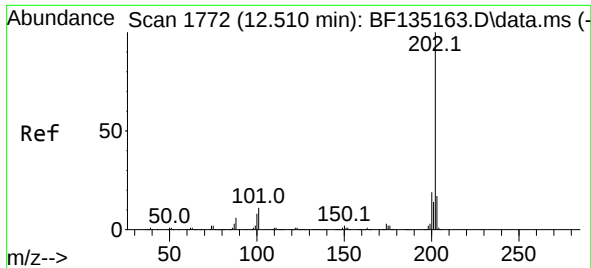
Tgt Ion:248 Resp: 11500
Ion Ratio Lower Upper
248 100
250 211.6 78.6 117.8#
141 577.0 54.2 81.2#



#71
Phenanthrene
Concen: 6.152 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:178 Resp: 104451
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.9 12.0 18.0

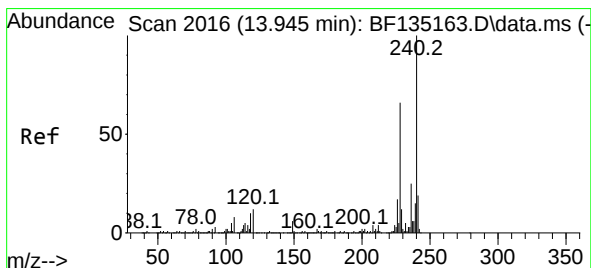
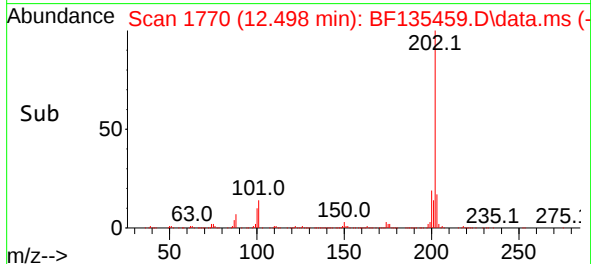
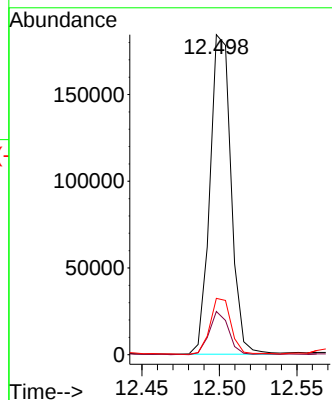
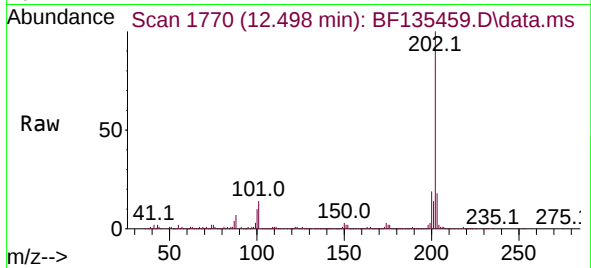




#75
Fluoranthene
Concen: 9.874 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

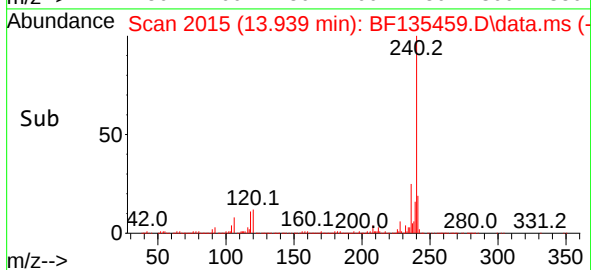
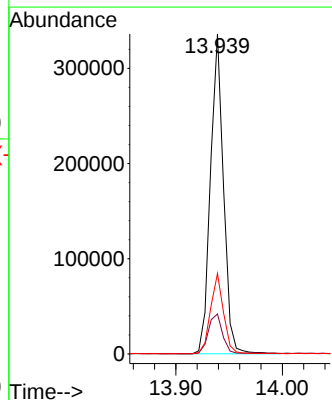
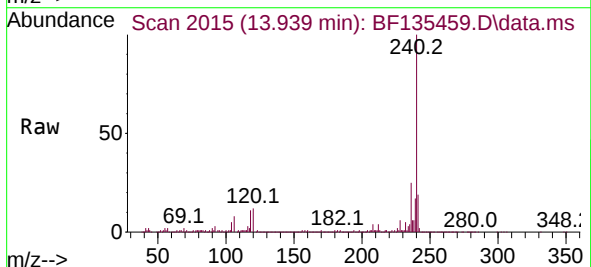
Instrument :
BNA_F
ClientSampleId :
TP-BCD

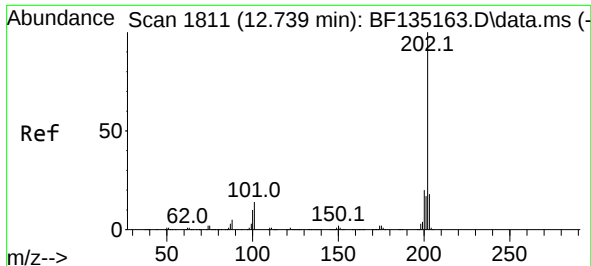
Tgt Ion:202 Resp: 174688
Ion Ratio Lower Upper
202 100
101 13.5 0.0 31.3
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:240 Resp: 286198
Ion Ratio Lower Upper
240 100
120 12.5 9.4 14.2
236 25.1 19.8 29.8

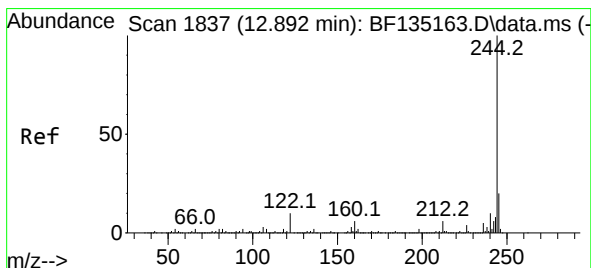
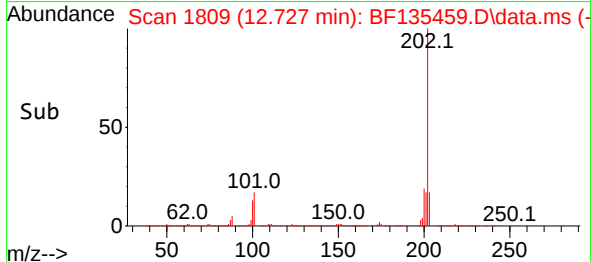
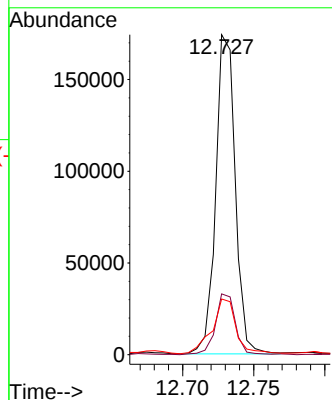
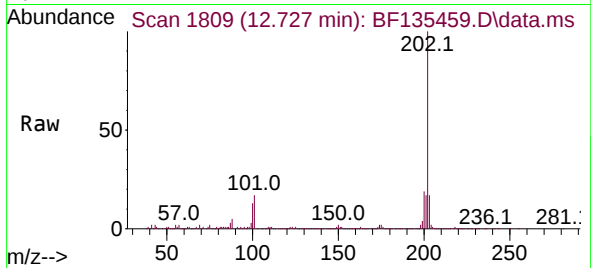




#78
Pyrene
Concen: 6.099 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

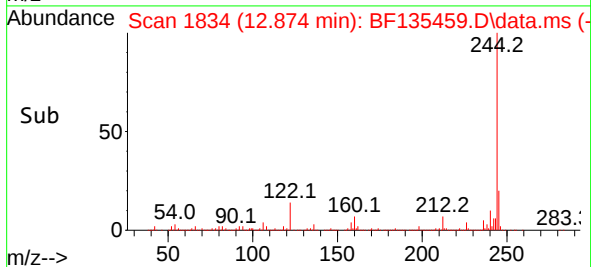
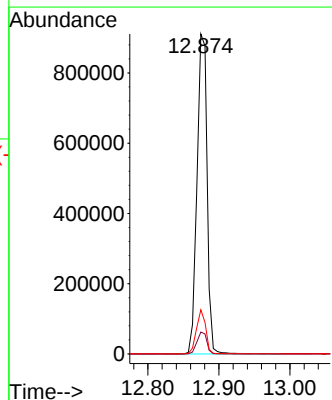
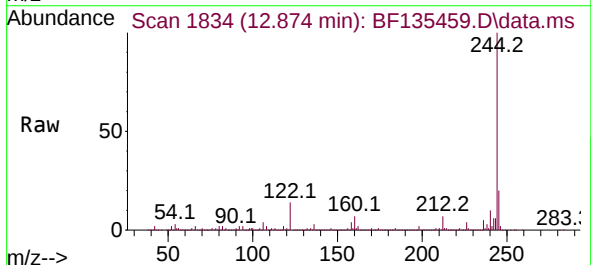
Instrument :
BNA_F
ClientSampleId :
TP-BCD

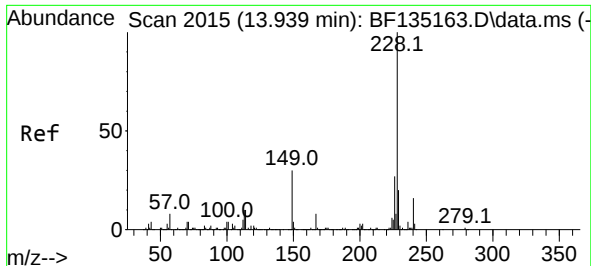
Tgt Ion:202 Resp: 166198
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.2
203 17.4 14.2 21.4



#79
Terphenyl-d14
Concen: 48.976 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:244 Resp: 904201
Ion Ratio Lower Upper
244 100
212 6.9 5.1 7.7
122 13.8 7.9 11.9#

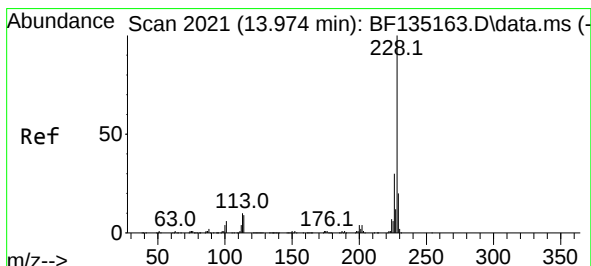
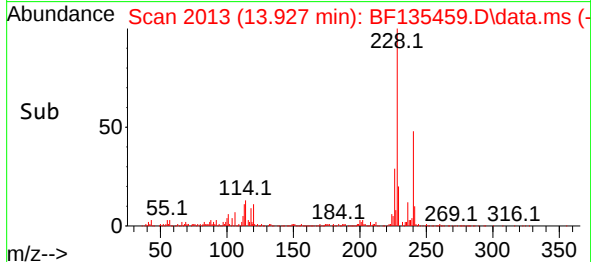
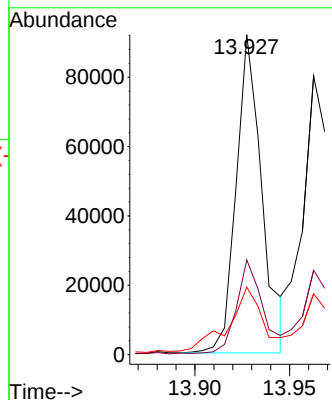
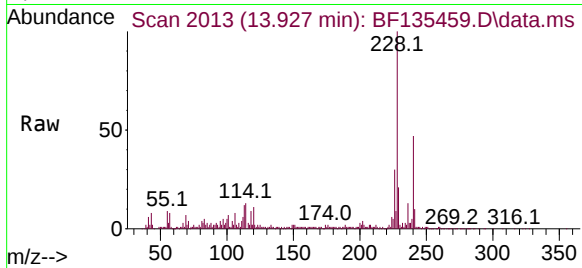




#81
Benzo(a)anthracene
Concen: 4.689 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

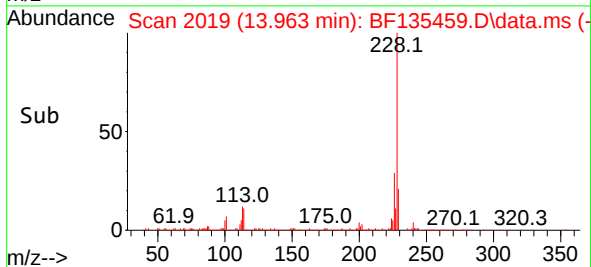
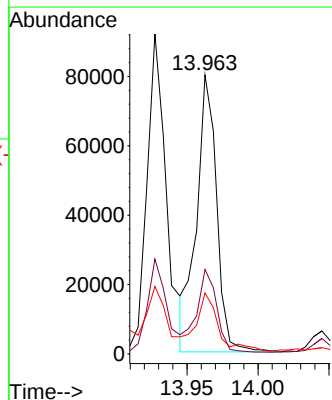
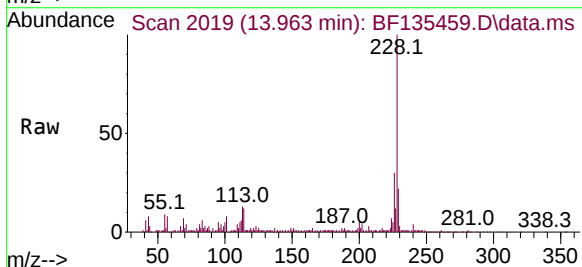
Instrument :
BNA_F
ClientSampleId :
TP-BCD

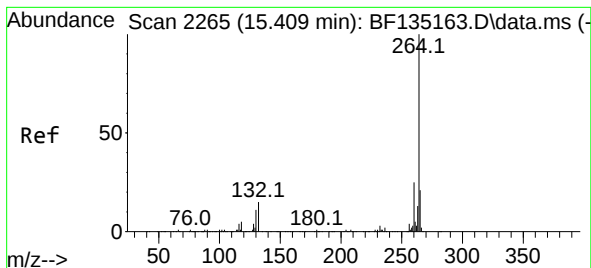
Tgt Ion:228 Resp: 86647
Ion Ratio Lower Upper
228 100
226 29.6 21.7 32.5
229 21.1 15.8 23.8



#83
Chrysene
Concen: 4.286 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:228 Resp: 78751
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 21.9 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

TP-BCD

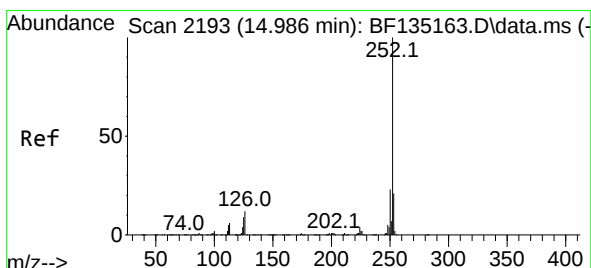
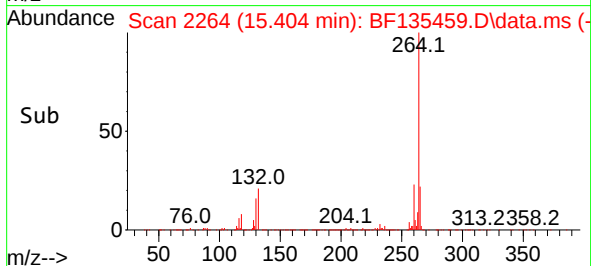
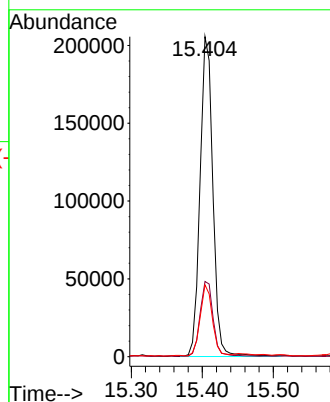
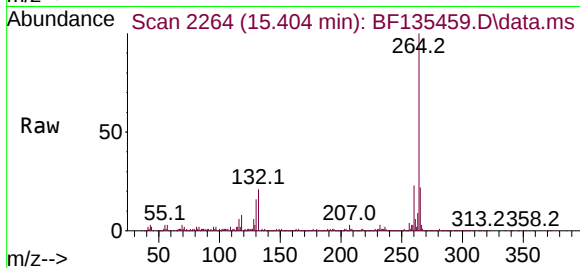
Tgt Ion:264 Resp: 258612

Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 22.5 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 7.565 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.000 min

Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

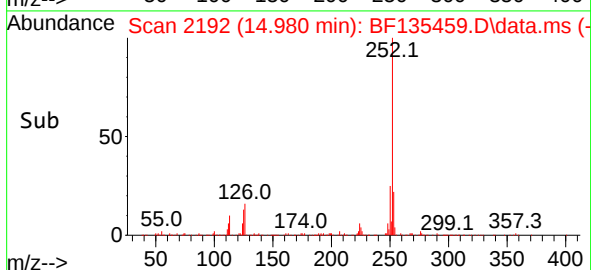
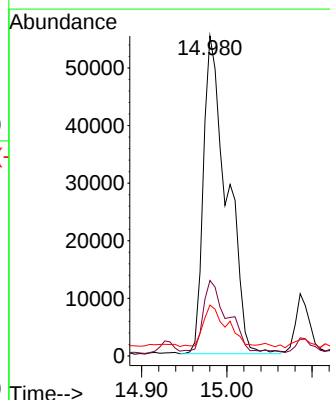
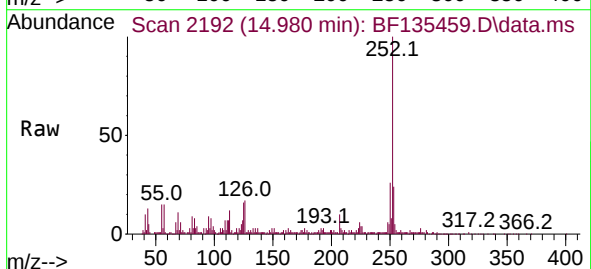
Tgt Ion:252 Resp: 105908

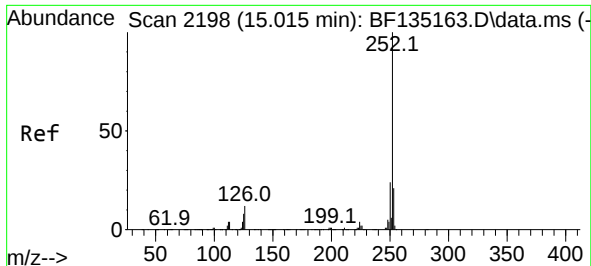
Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

125 15.9 7.1 10.7#

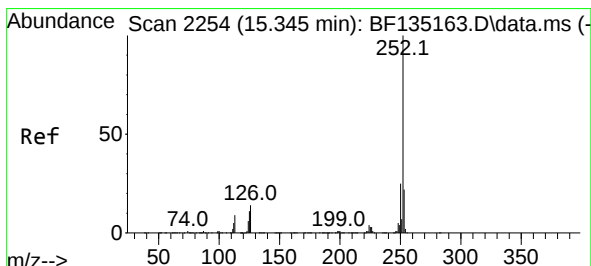
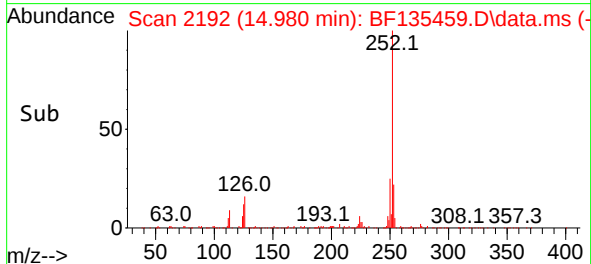
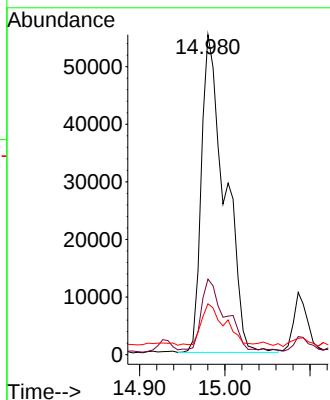
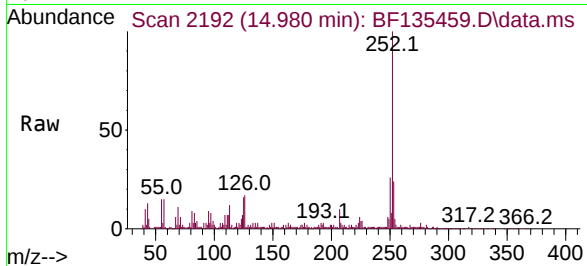




#89
Benzo(k)fluoranthene
Concen: 7.658 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Instrument :
BNA_F
ClientSampleId :
TP-BCD

Tgt Ion:252 Resp: 105908
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 15.9 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 3.966 ng
RT: 15.345 min Scan# 2254
Delta R.T. -0.000 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:252 Resp: 52948
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 16.0 9.2 13.8#

