

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135207.D
 Acq On : 13 Sep 2023 05:32
 Operator : CG\JU
 Sample : 04336-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-A

Quant Time: Sep 13 07:43:01 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)

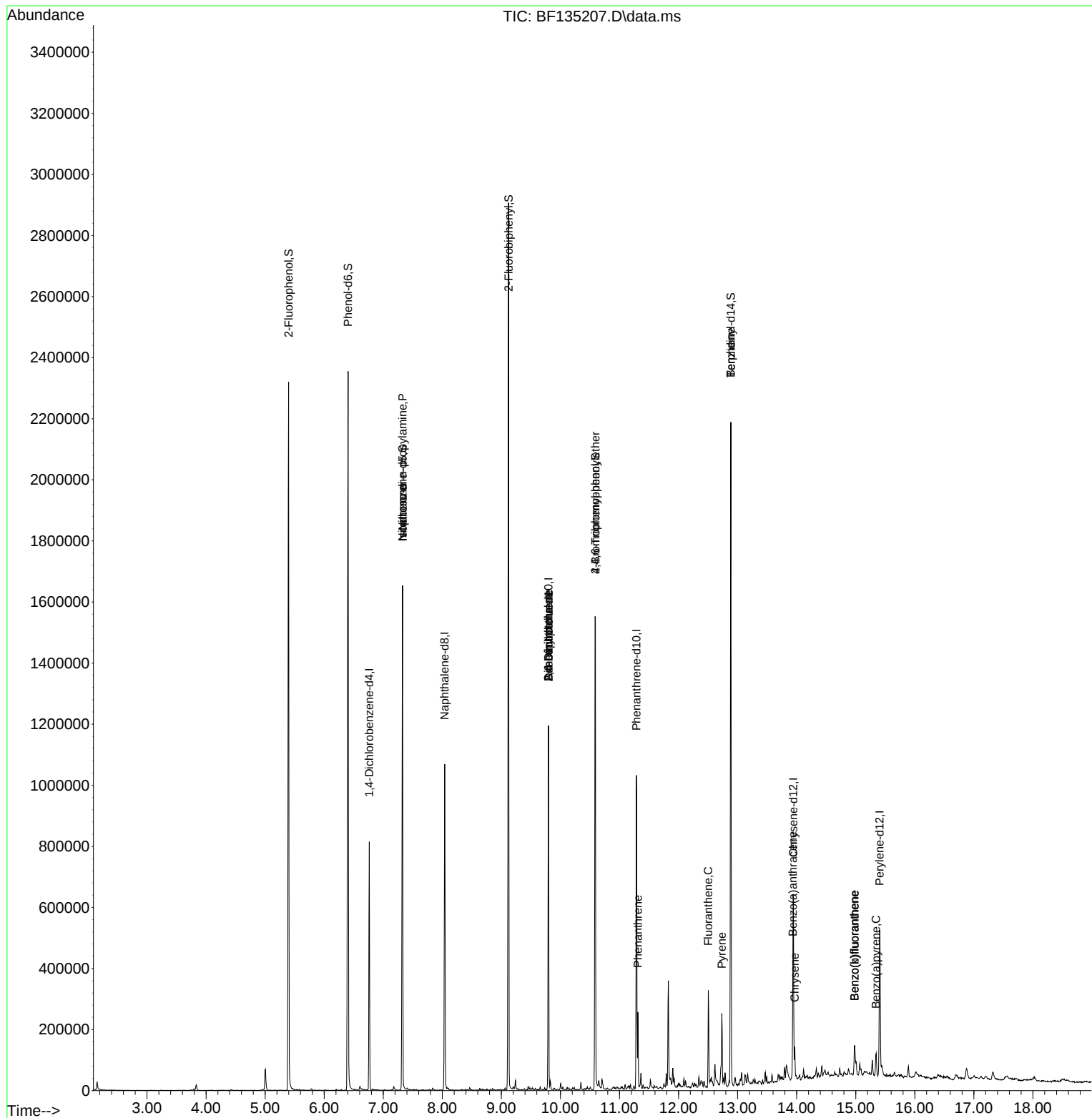
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	110600	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	435127	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	220716	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	394064	20.000	ng	0.00
76) Chrysene-d12	13.945	240	199446	20.000	ng	# 0.00
86) Perylene-d12	15.404	264	234242	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	595965	87.641	ng	0.01
7) Phenol-d6	6.404	99	798688	92.369	ng	0.00
23) Nitrobenzene-d5	7.328	82	487163	60.827	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	199204	90.820	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	870723	59.519	ng	0.00
79) Terphenyl-d14	12.886	244	727656	56.557	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	64592	12.060	ng	# 77
25) Isophorone	7.328	82	485930	33.041	ng	# 65
50) Dimethylphthalate	9.798	163	43965	2.946	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	28857	8.827	ng	# 17
57) 2,4-Dinitrotoluene	9.798	165	28857	7.051	ng	# 19
67) 4-Bromophenyl-phenylether	10.592	248	12361	3.154	ng	# 1
71) Phenanthrene	11.310	178	83446	4.477	ng	100
75) Fluoranthene	12.504	202	120529	6.206	ng	98
77) Benzidine	12.886	184	9283	2.272	ng	# 92
78) Pyrene	12.733	202	96240	5.068	ng	98
81) Benzo(a)anthracene	13.933	228	42863	3.328	ng	97
83) Chrysene	13.968	228	42336	3.306	ng	95
88) Benzo(b)fluoranthene	14.980	252	69192	5.457	ng	# 96
89) Benzo(k)fluoranthene	14.980	252	69192	5.524	ng	# 97
90) Benzo(a)pyrene	15.345	252	35327	2.921	ng	98

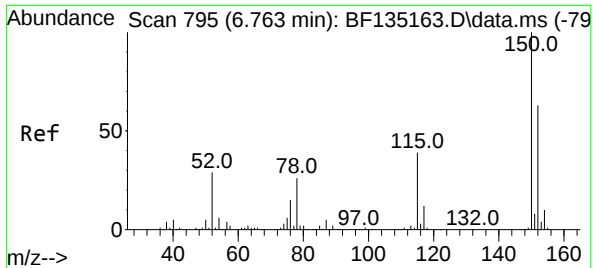
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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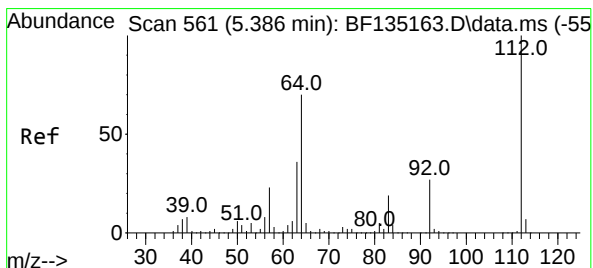
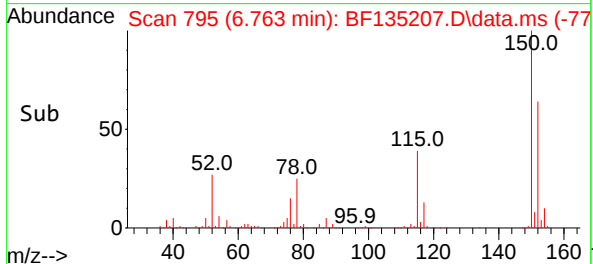
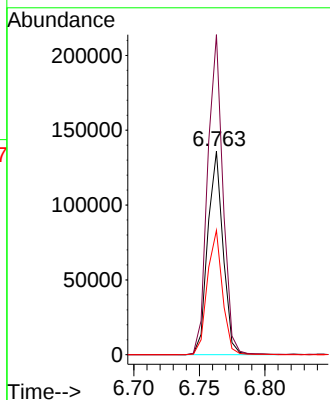
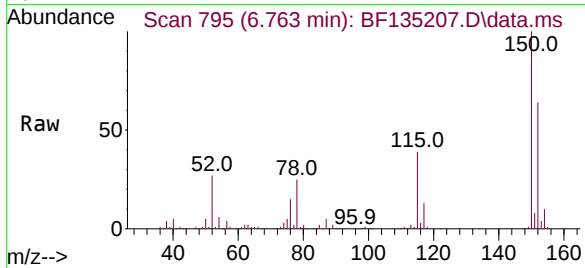




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

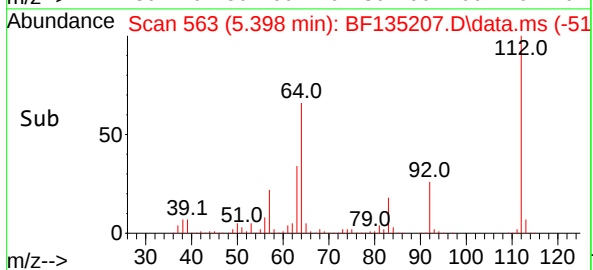
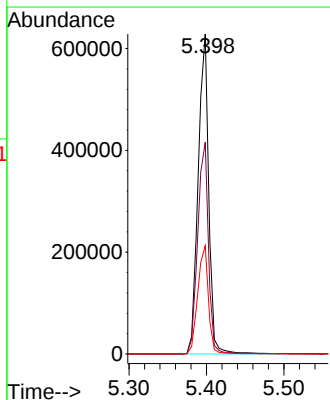
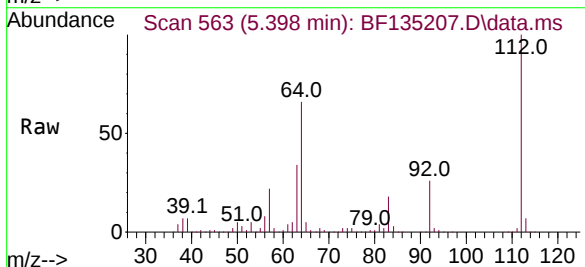
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

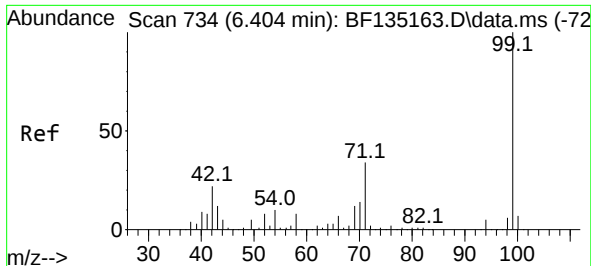
Tgt Ion:152 Resp: 110600
Ion Ratio Lower Upper
152 100
150 157.3 127.8 191.6
115 61.1 49.8 74.8



#5
2-Fluorophenol
Concen: 87.641 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:112 Resp: 595965
Ion Ratio Lower Upper
112 100
64 66.1 55.9 83.9
63 33.8 29.0 43.6

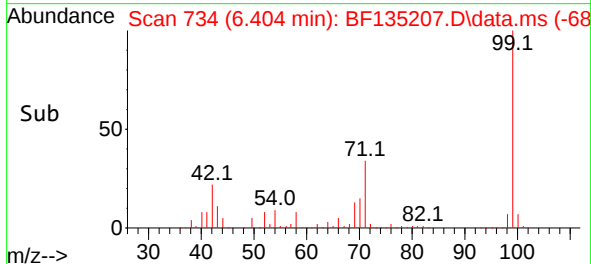
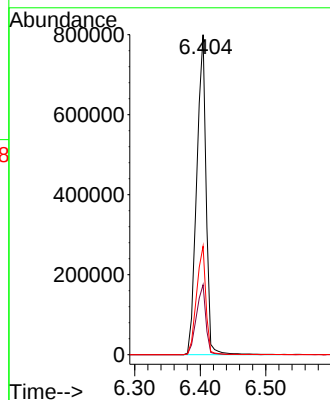
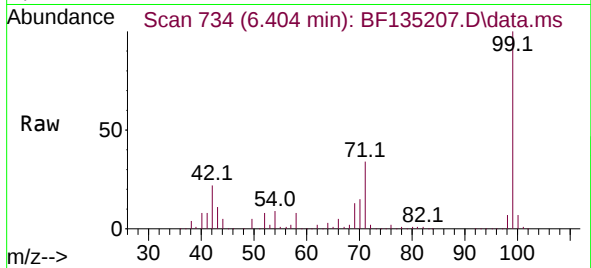




#7
Phenol-d6
Concen: 92.369 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

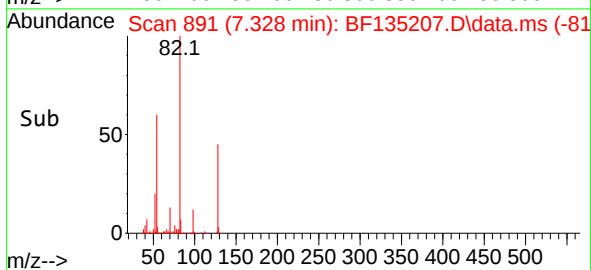
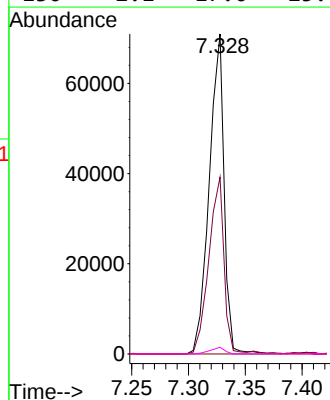
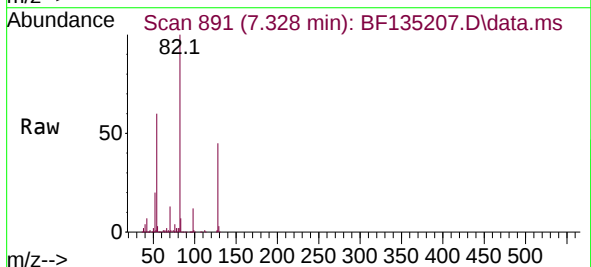
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

Tgt Ion: 99 Resp: 798688
Ion Ratio Lower Upper
99 100
42 21.9 17.9 26.9
71 33.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.060 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion: 70 Resp: 64592
Ion Ratio Lower Upper
70 100
42 55.3 55.4 83.0#
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

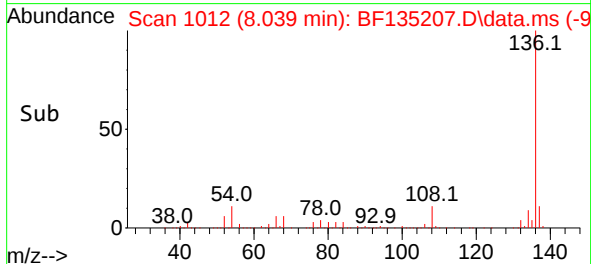
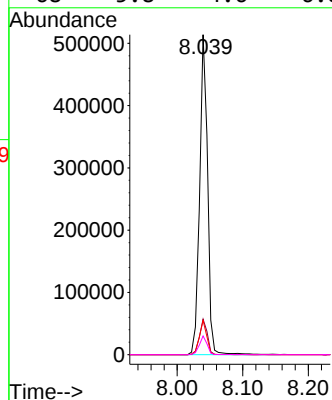
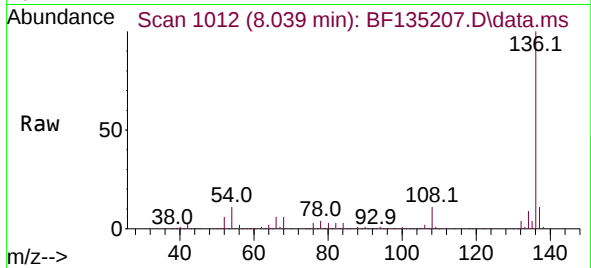




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

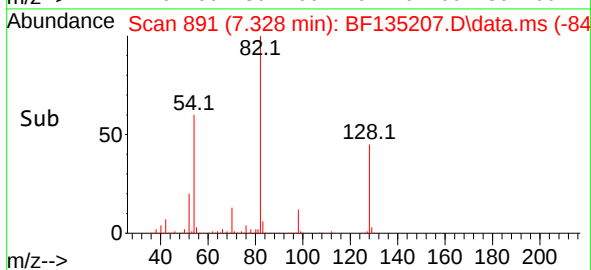
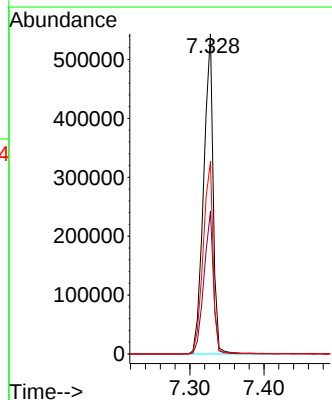
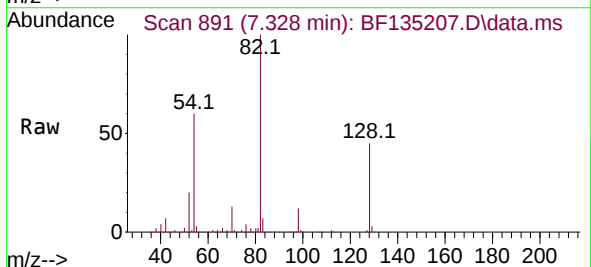
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

Tgt Ion:	136	Resp:	435127
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.7	7.7	11.5
68	5.8	4.6	6.8



#23
Nitrobenzene-d5
Concen: 60.827 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:	82	Resp:	487163
Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.8	53.6
54	60.2	50.6	76.0

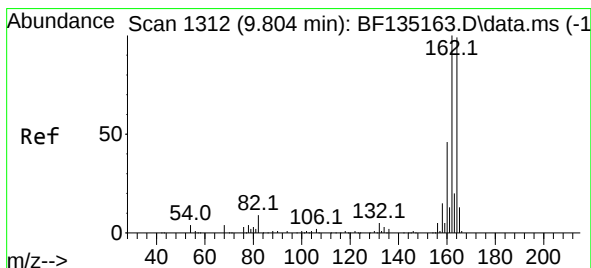
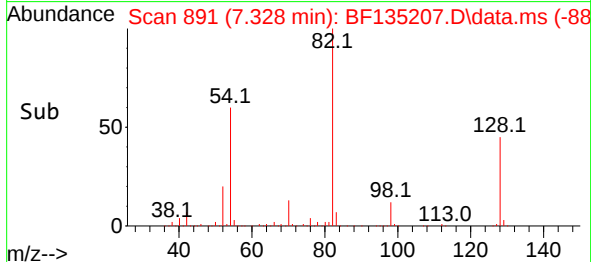
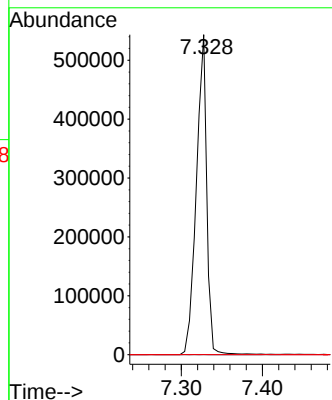
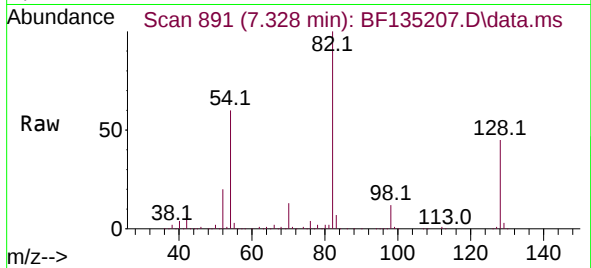




#25
Isophorone
Concen: 33.041 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

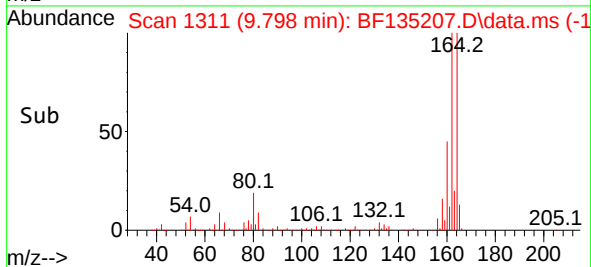
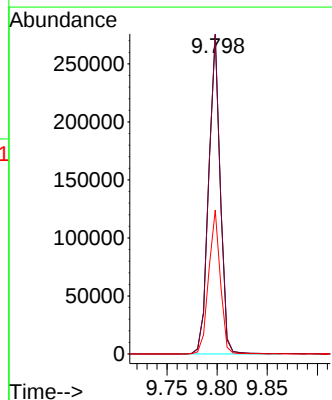
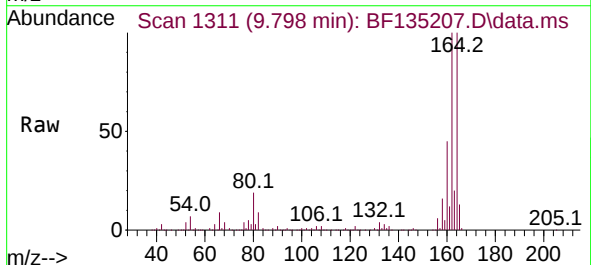
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

Tgt Ion: 82 Resp: 485930
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: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:164 Resp: 220716
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 45.1 37.0 55.4

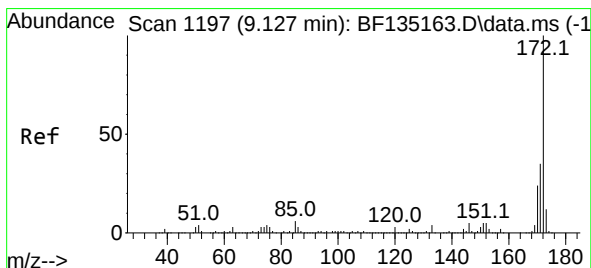
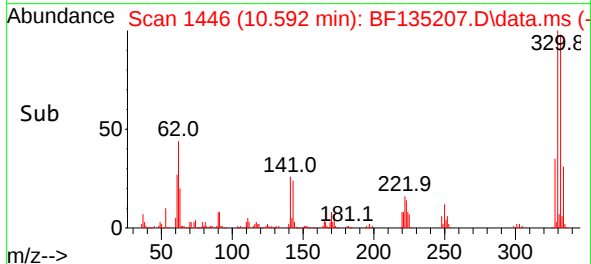
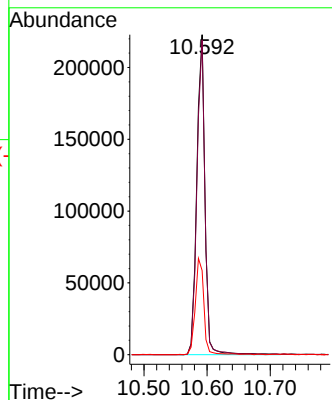
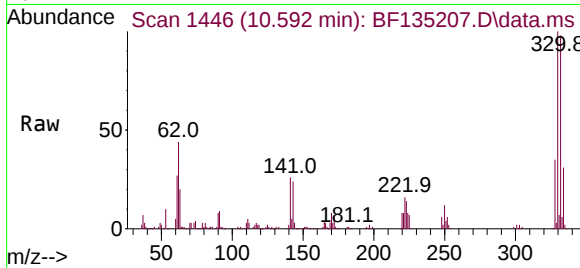




#42
2,4,6-Tribromophenol
Concen: 90.820 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

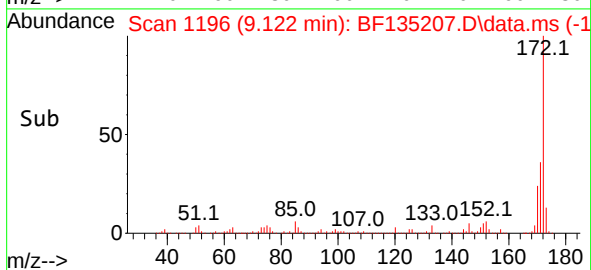
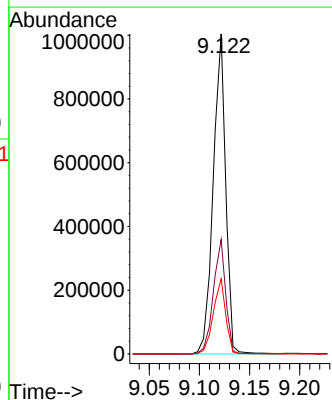
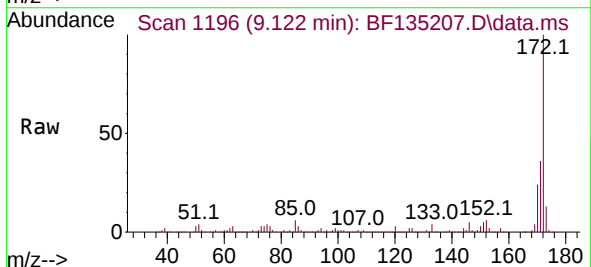
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

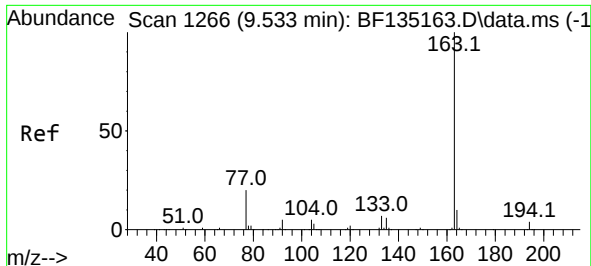
Tgt Ion:330 Resp: 199204
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 31.6 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 59.519 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:172 Resp: 870723
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.5 19.0 28.4

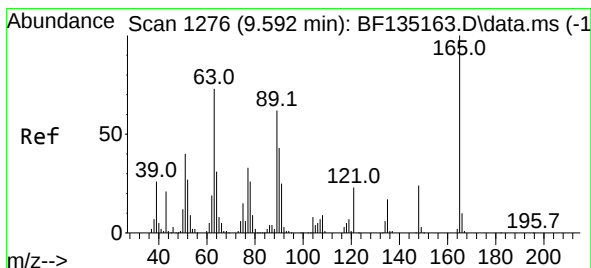
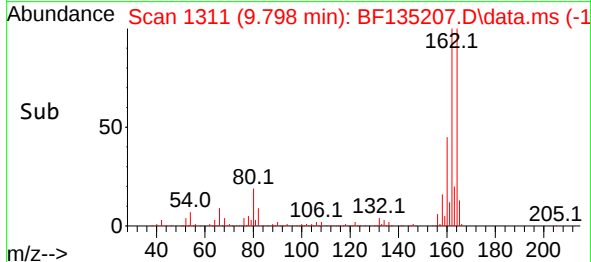
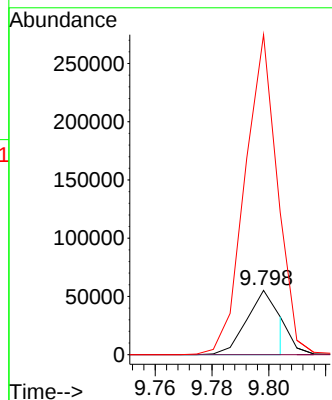
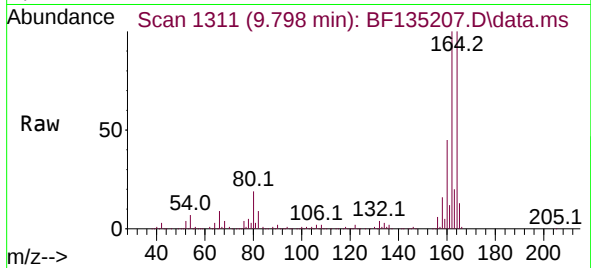




#50
Dimethylphthalate
Concen: 2.946 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

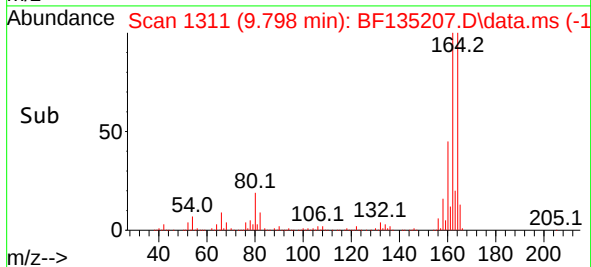
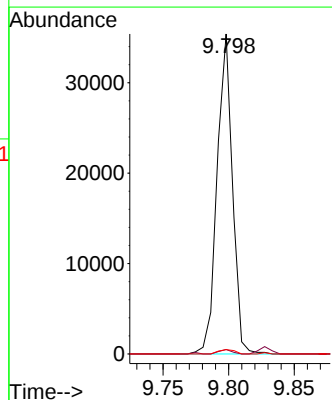
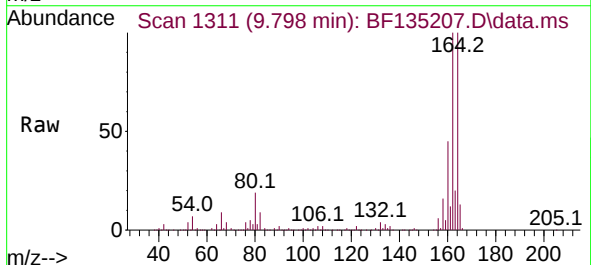
Instrument :
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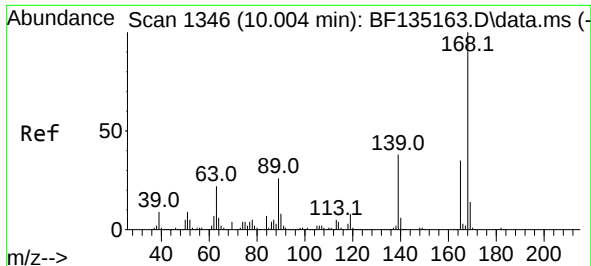
Tgt Ion:163 Resp: 43965
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 497.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.827 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:165 Resp: 28857
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.3 49.8 74.8#

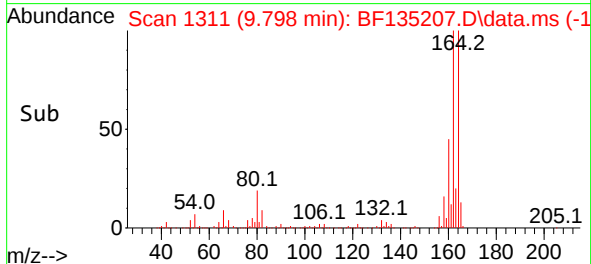
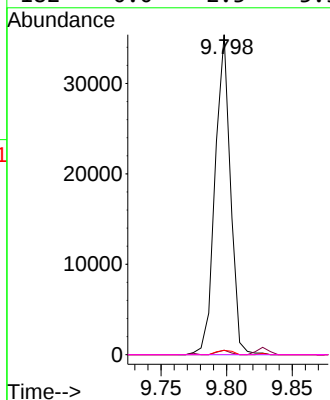
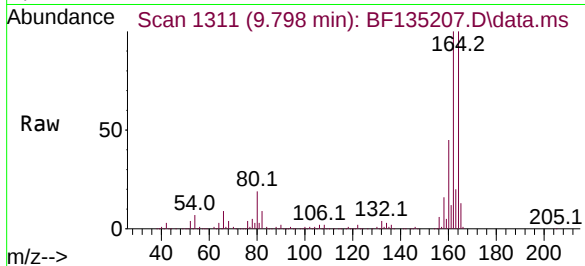




#57
2,4-Dinitrotoluene
Concen: 7.051 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

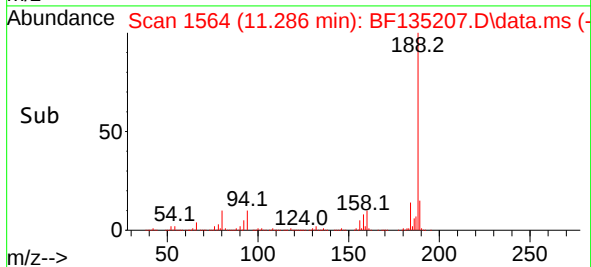
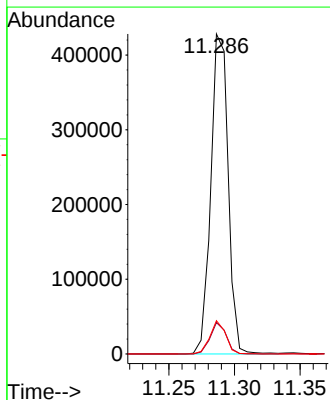
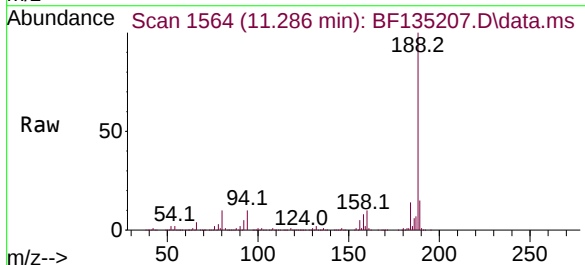
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BNA_F
ClientSampleId :
TRENCH-A

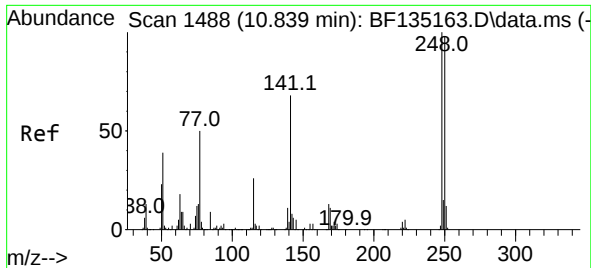
Tgt Ion:165 Resp: 28857
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.3 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:188 Resp: 394064
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.4 7.5 11.3

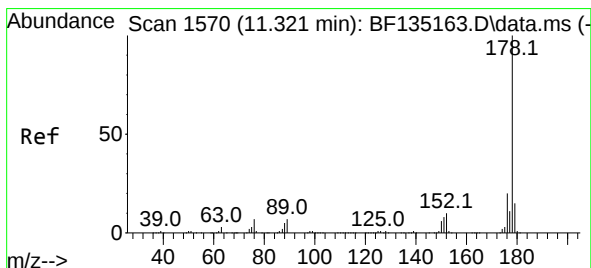
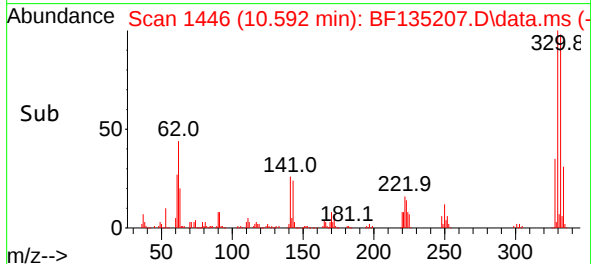
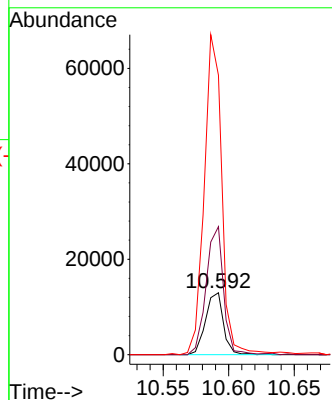
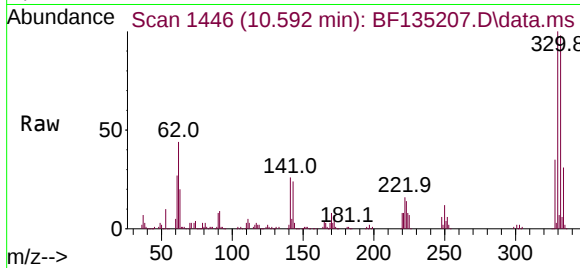




#67
4-Bromophenyl-phenylether
Concen: 3.154 ng
RT: 10.592 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

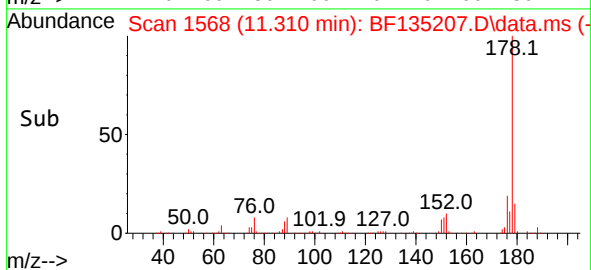
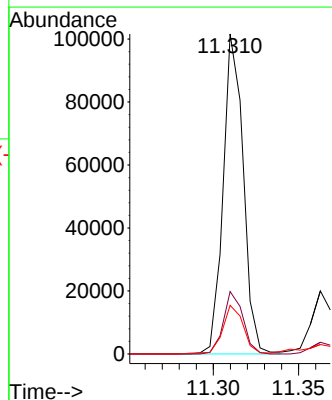
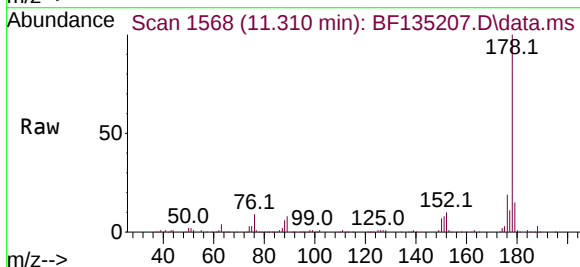
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

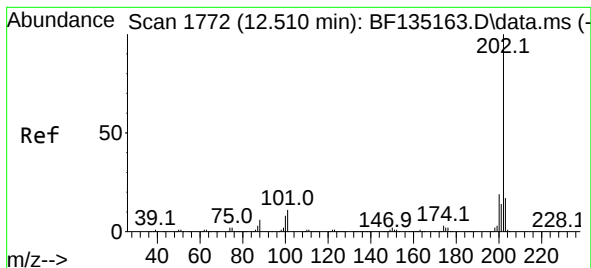
Tgt Ion:248 Resp: 12361
Ion Ratio Lower Upper
248 100
250 206.7 78.6 117.8#
141 451.7 54.2 81.2#



#71
Phenanthrene
Concen: 4.477 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:178 Resp: 83446
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.2 12.0 18.0





#75

Fluoranthene

Concen: 6.206 ng

RT: 12.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

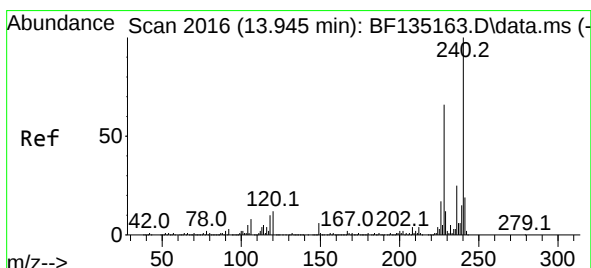
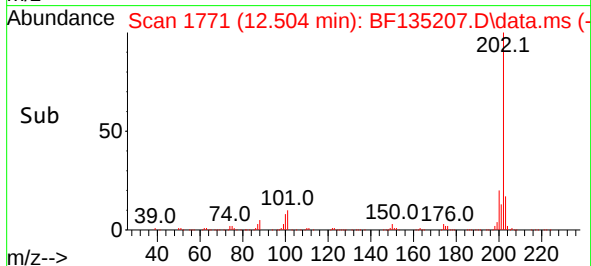
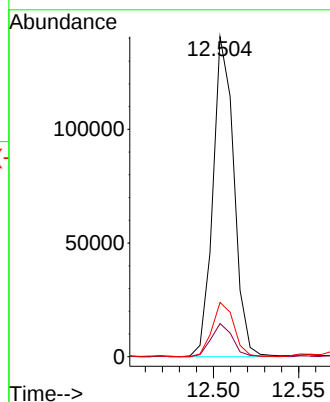
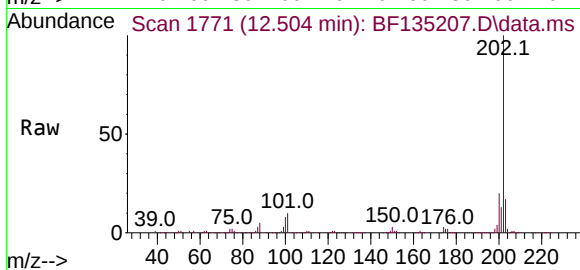
Tgt Ion:202 Resp: 120529

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

203 16.9 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: BF135207.D

Acq: 13 Sep 2023 05:32

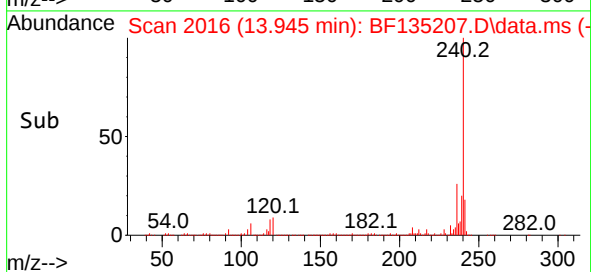
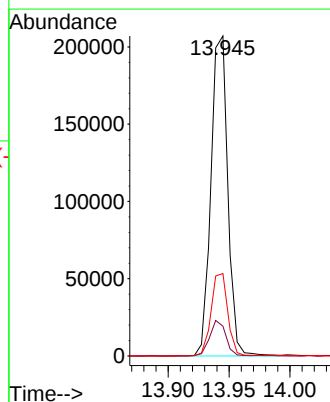
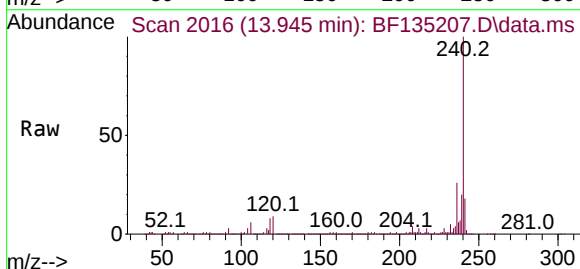
Tgt Ion:240 Resp: 199446

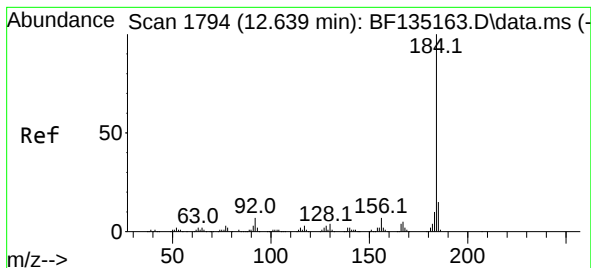
Ion Ratio Lower Upper

240 100

120 9.3 9.4 14.2#

236 25.7 19.8 29.8





#77

Benzidine

Concen: 2.272 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

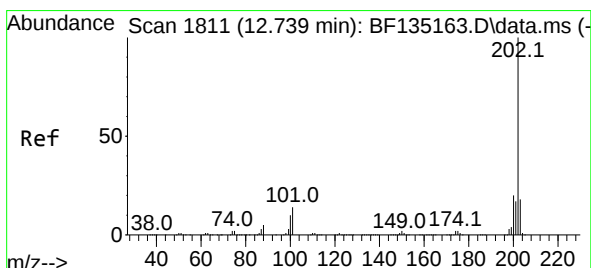
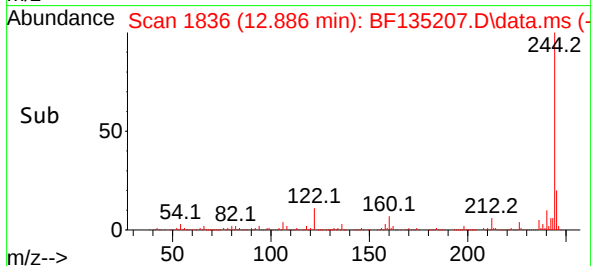
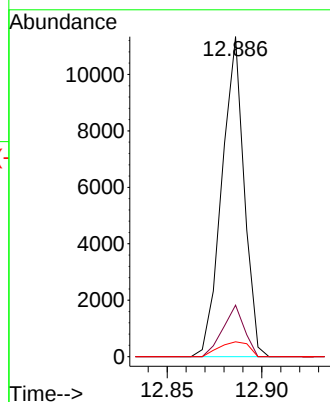
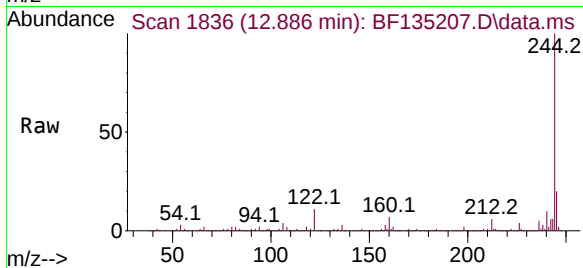
Tgt Ion:184 Resp: 9283

Ion Ratio Lower Upper

184 100

185 16.1 11.7 17.5

183 4.6 8.2 12.4#



#78

Pyrene

Concen: 5.068 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

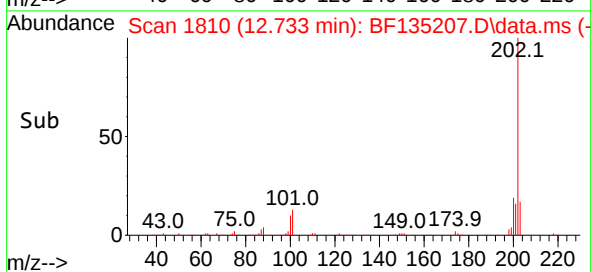
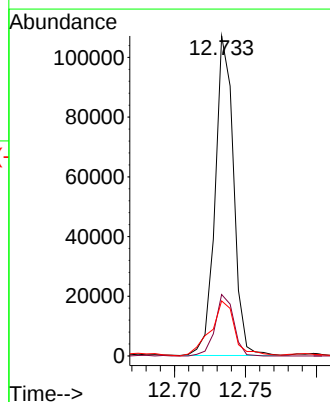
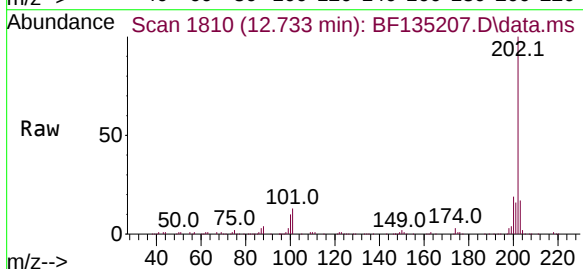
Tgt Ion:202 Resp: 96240

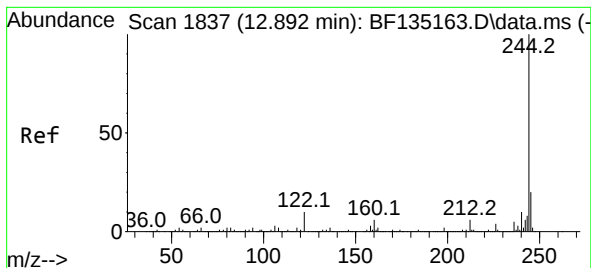
Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

203 17.2 14.2 21.4





#79

Terphenyl-d14

Concen: 56.557 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

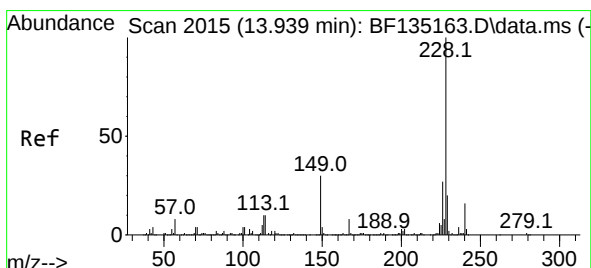
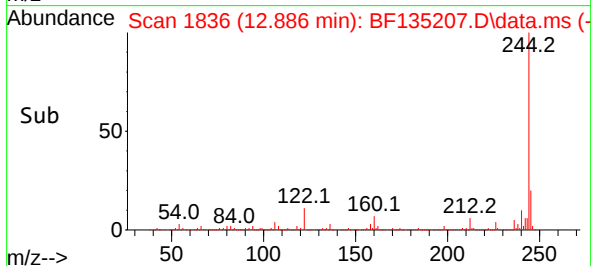
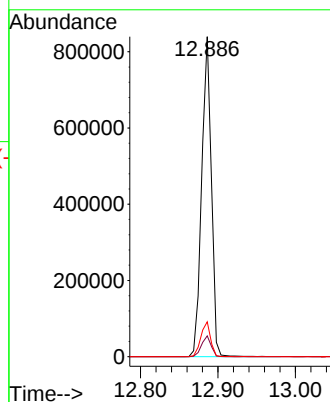
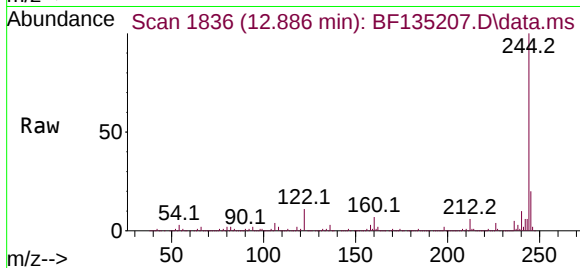
Tgt Ion:244 Resp: 727656

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.9 7.9 11.9



#81

Benzo(a)anthracene

Concen: 3.328 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

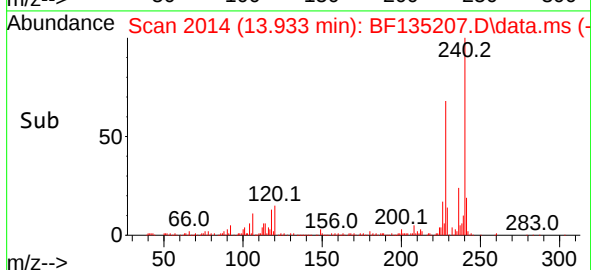
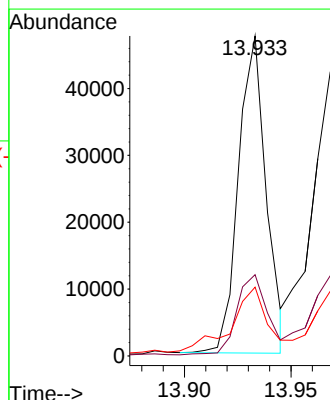
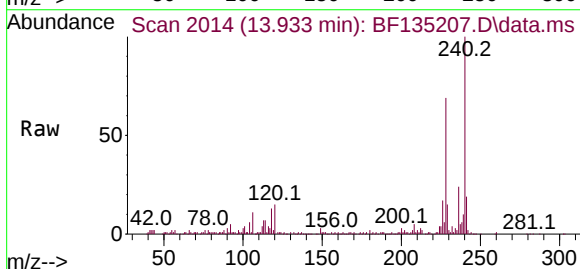
Tgt Ion:228 Resp: 42863

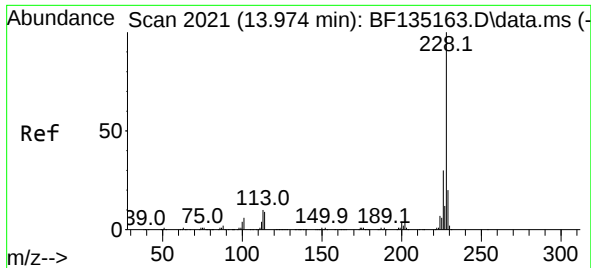
Ion Ratio Lower Upper

228 100

226 25.4 21.7 32.5

229 21.5 15.8 23.8





#83

Chrysene

Concen: 3.306 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

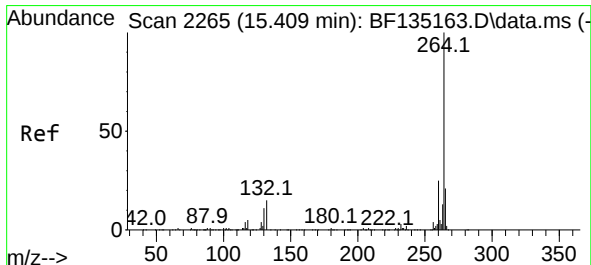
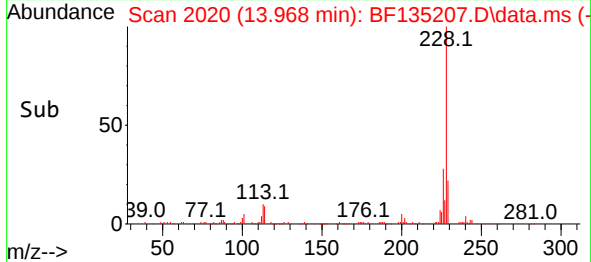
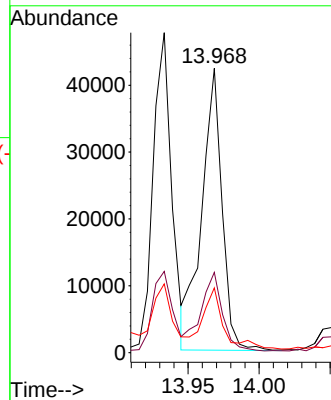
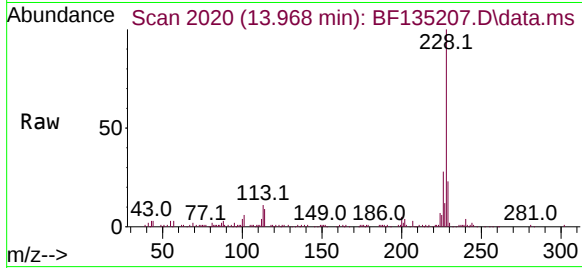
Tgt Ion:228 Resp: 42336

Ion Ratio Lower Upper

228 100

226 28.2 24.3 36.5

229 22.8 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF135207.D

Acq: 13 Sep 2023 05:32

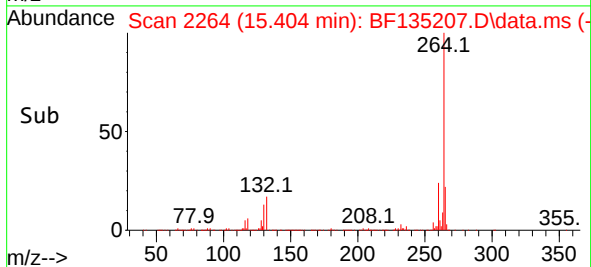
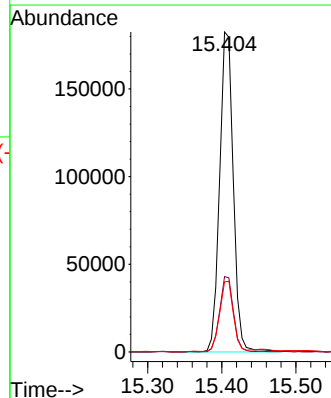
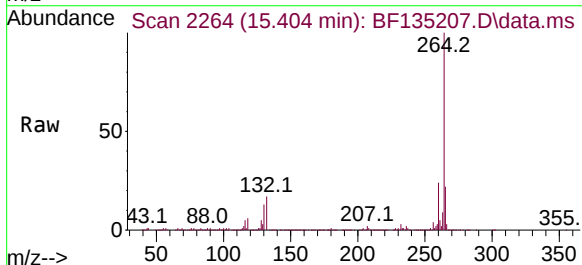
Tgt Ion:264 Resp: 234242

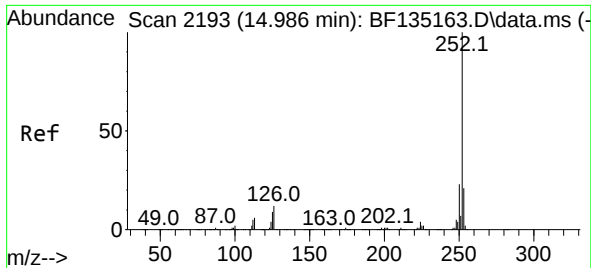
Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 21.9 17.0 25.4

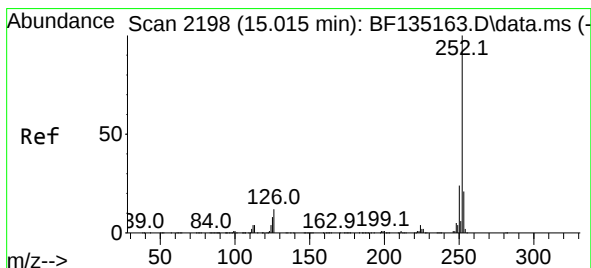
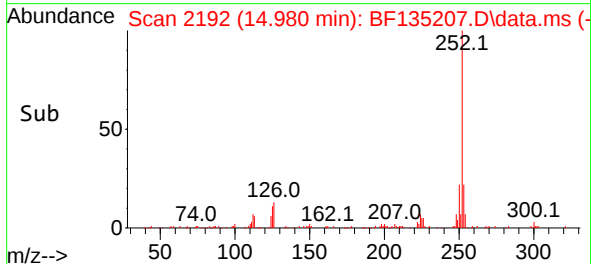
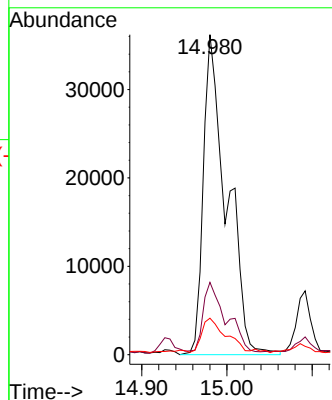
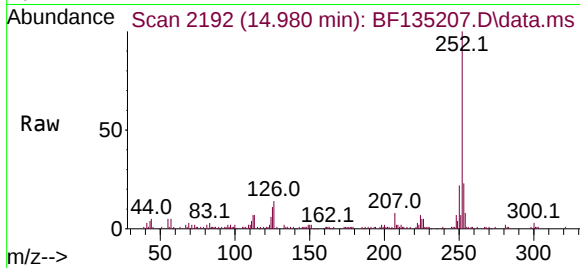




#88
Benzo(b)fluoranthene
Concen: 5.457 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

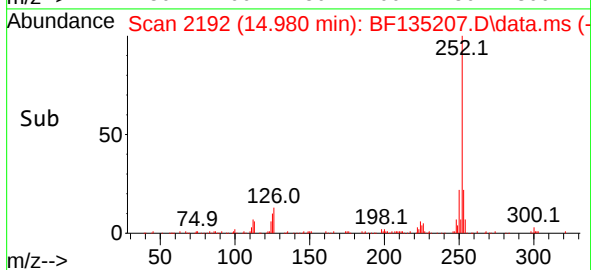
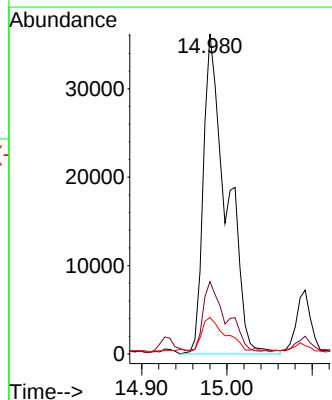
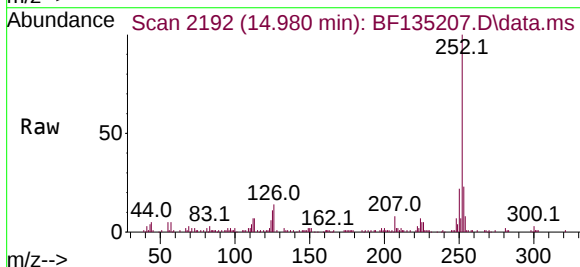
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

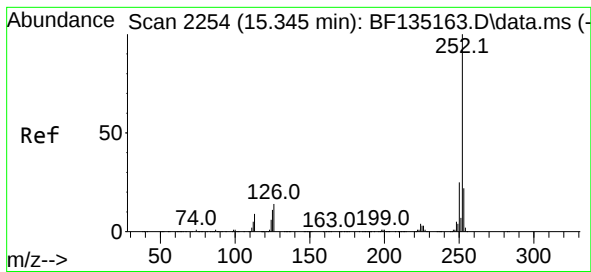
Tgt Ion:252 Resp: 69192
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 11.4 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 5.524 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF135207.D
Acq: 13 Sep 2023 05:32

Tgt Ion:252 Resp: 69192
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 11.4 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.921 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135207.D

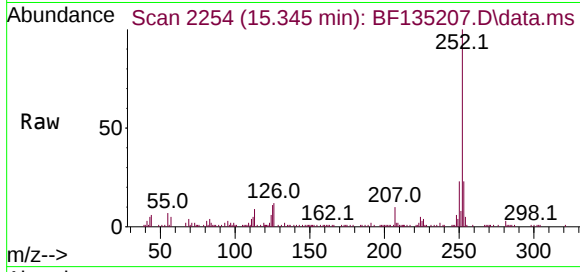
Acq: 13 Sep 2023 05:32

Instrument :

BNA_F

ClientSampleId :

TRENCH-A



Tgt Ion:252 Resp: 35327

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 11.0 9.2 13.8

