

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135208.D
 Acq On : 13 Sep 2023 06:03
 Operator : CG\JU
 Sample : 04305-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-5-23-EPH

Quant Time: Sep 13 07:43:24 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)

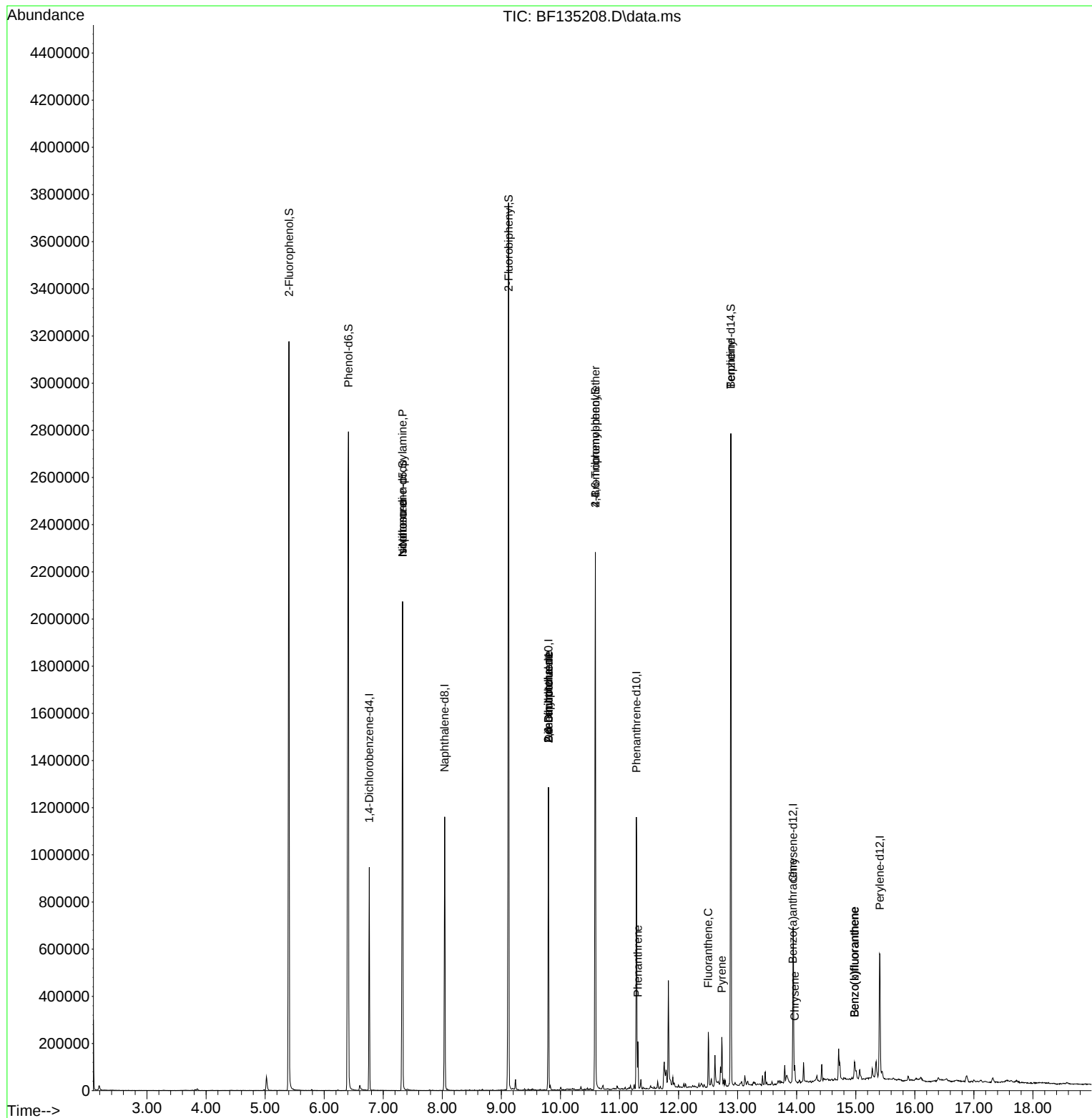
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	123162	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	484318	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	234088	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	424510	20.000	ng	0.00
76) Chrysene-d12	13.939	240	219153	20.000	ng	0.00
86) Perylene-d12	15.410	264	262732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	843023	111.328	ng	0.02
7) Phenol-d6	6.410	99	1107499	115.019	ng	0.00
23) Nitrobenzene-d5	7.328	82	675161	75.738	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	279206	120.023	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1203443	77.563	ng	0.00
79) Terphenyl-d14	12.886	244	1002433	70.908	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	91641	15.365	ng	# 77
25) Isophorone	7.328	82	671541	41.024	ng	# 65
50) Dimethylphthalate	9.798	163	47513	3.002	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	30602	8.826	ng	# 17
57) 2,4-Dinitrotoluene	9.798	165	30602	7.050	ng	# 19
67) 4-Bromophenyl-phenylether	10.592	248	16834	3.987	ng	# 1
71) Phenanthrene	11.310	178	67961	3.385	ng	98
75) Fluoranthene	12.504	202	92733	4.433	ng	99
77) Benzidine	12.886	184	12504	2.785	ng	# 89
78) Pyrene	12.733	202	82420	3.950	ng	100
81) Benzo(a)anthracene	13.933	228	30164	2.132	ng	99
83) Chrysene	13.968	228	29745	2.114	ng	98
88) Benzo(b)fluoranthene	14.980	252	48477	3.408	ng	97
89) Benzo(k)fluoranthene	14.980	252	48477	3.450	ng	97

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

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Quant Time: Sep 13 07:43:24 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

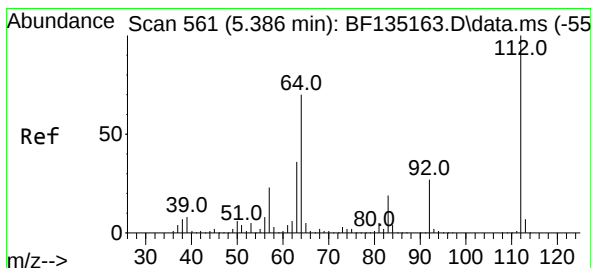
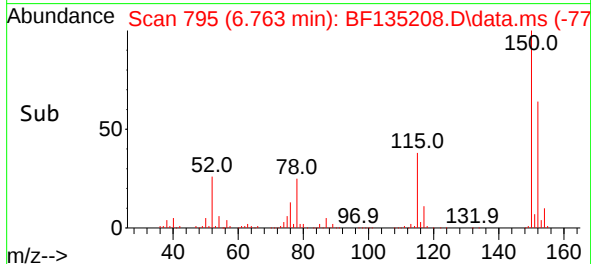
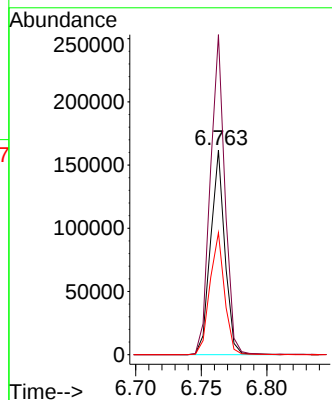
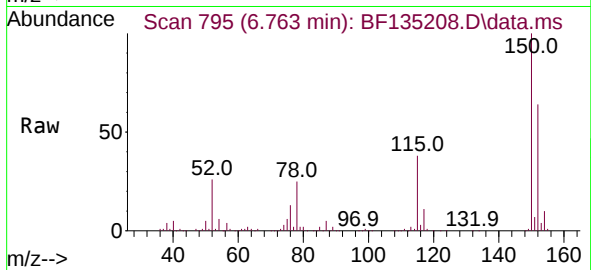




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135208.D
 Acq: 13 Sep 2023 06:03

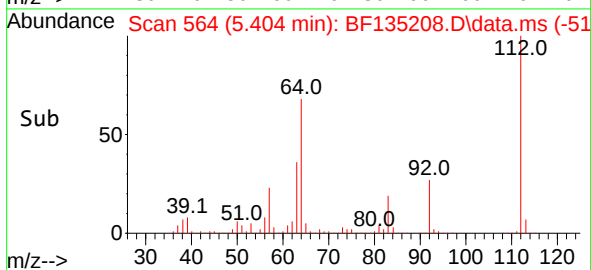
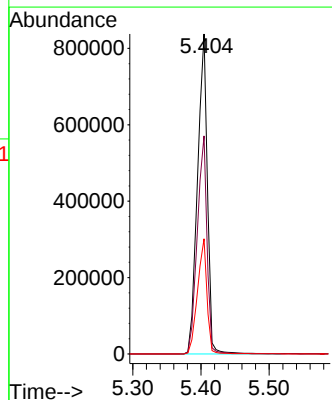
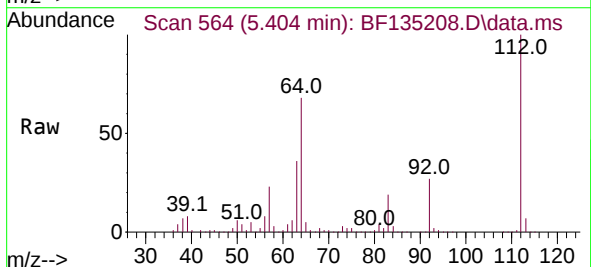
Instrument :
 BNA_F
 ClientSampleId :
 TP-9-5-23-EPH

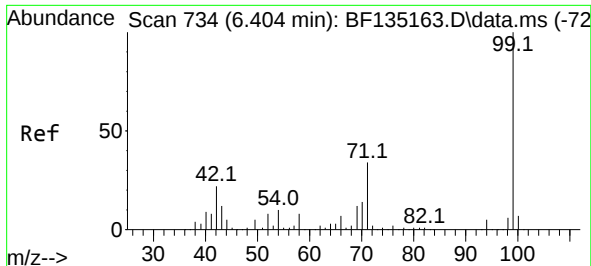
Tgt Ion:152 Resp: 123162
 Ion Ratio Lower Upper
 152 100
 150 156.3 127.8 191.6
 115 59.6 49.8 74.8



#5
 2-Fluorophenol
 Concen: 111.328 ng
 RT: 5.404 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF135208.D
 Acq: 13 Sep 2023 06:03

Tgt Ion:112 Resp: 843023
 Ion Ratio Lower Upper
 112 100
 64 68.2 55.9 83.9
 63 36.0 29.0 43.6

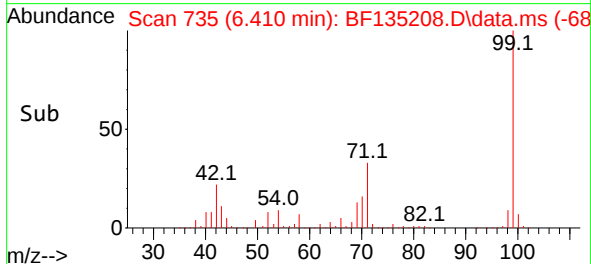
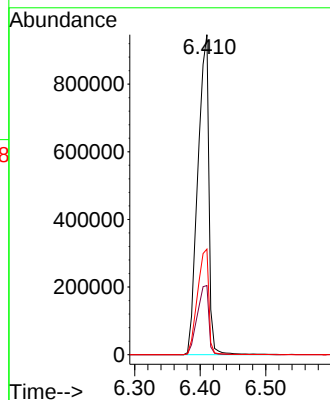
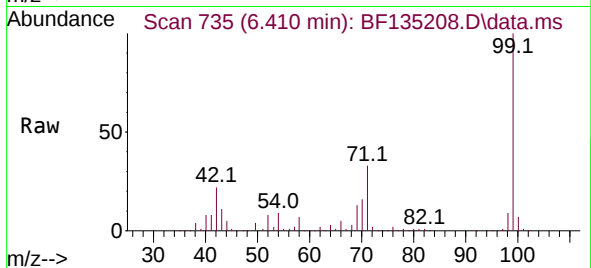




#7
Phenol-d6
Concen: 115.019 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

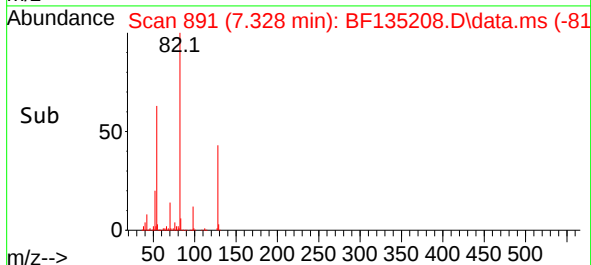
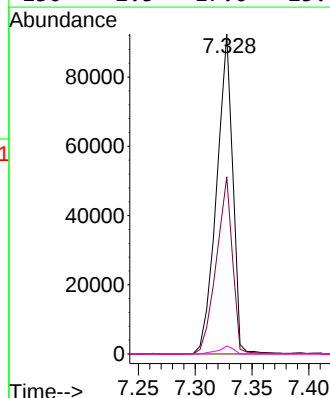
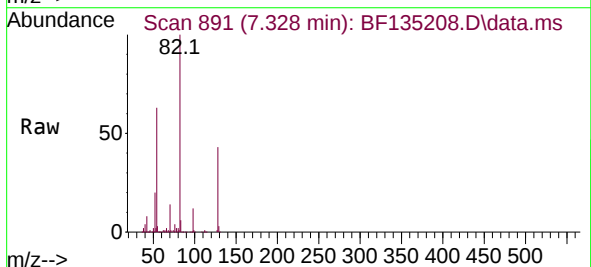
Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

Tgt Ion: 99 Resp: 1107499
Ion Ratio Lower Upper
99 100
42 21.6 17.9 26.9
71 33.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.365 ng
RT: 7.328 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion: 70 Resp: 91641
Ion Ratio Lower Upper
70 100
42 55.3 55.4 83.0#
101 0.0 7.7 11.5#
130 2.5 17.0 25.6#

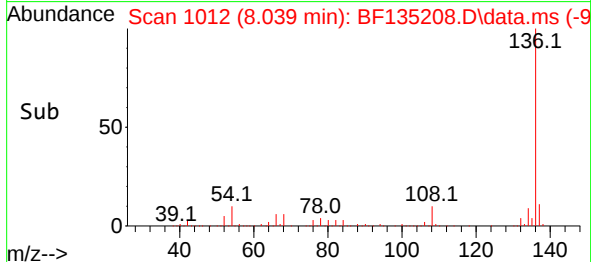
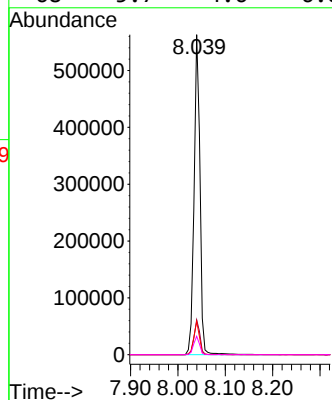
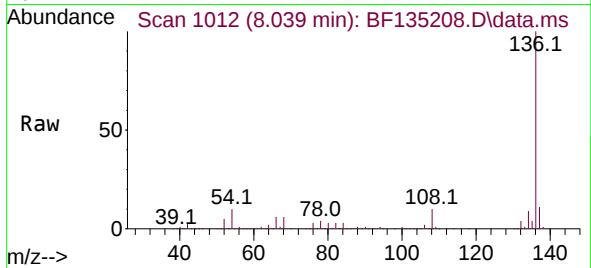




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

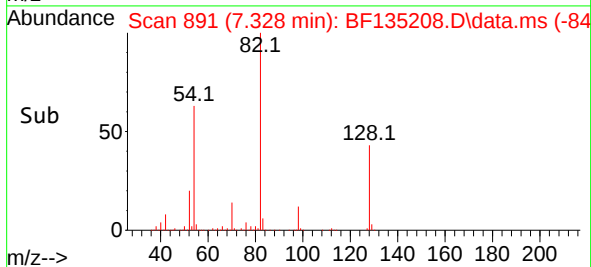
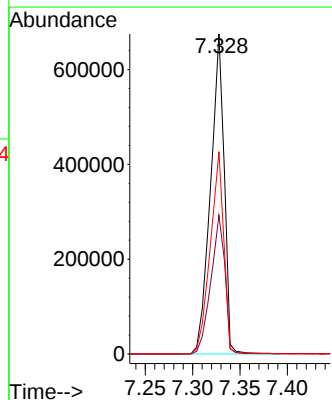
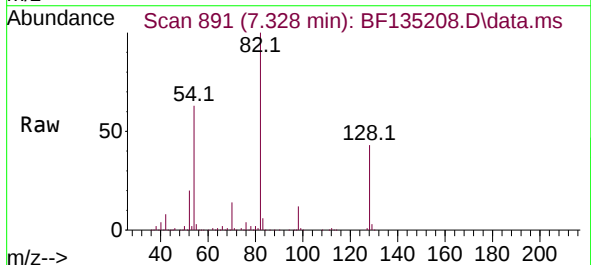
Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

Tgt Ion:136 Resp: 484318
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.4 7.7 11.5
68 5.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 75.738 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion: 82 Resp: 675161
Ion Ratio Lower Upper
82 100
128 43.4 35.8 53.6
54 63.2 50.6 76.0

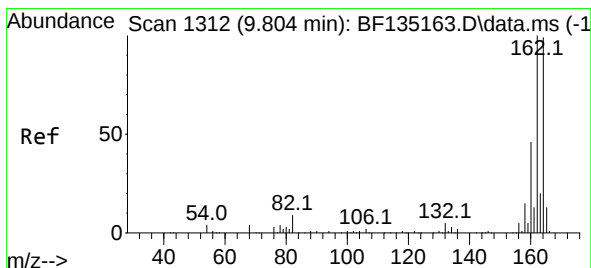
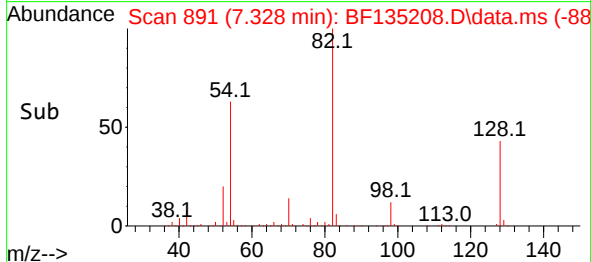
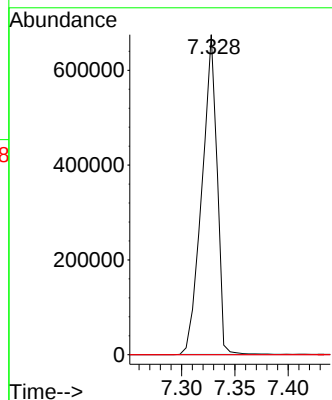
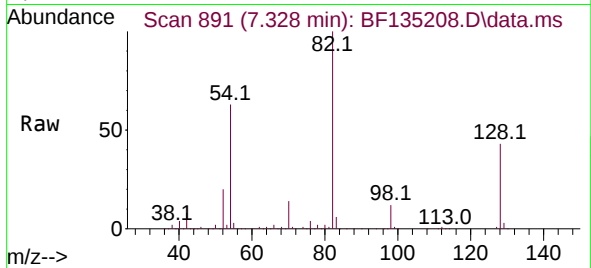




#25
Isophorone
Concen: 41.024 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

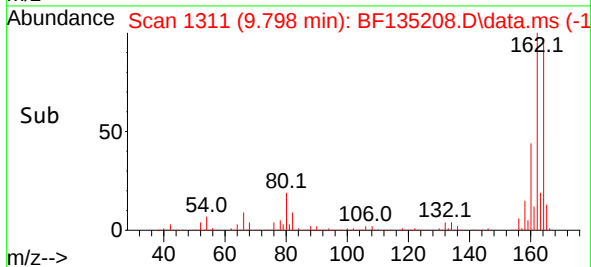
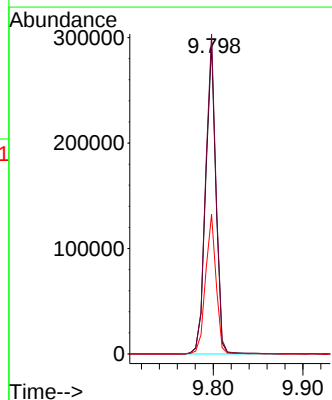
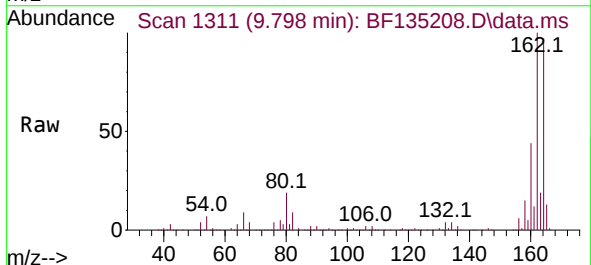
Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

Tgt Ion: 82 Resp: 671541
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: BF135208.D
Acq: 13 Sep 2023 06:03

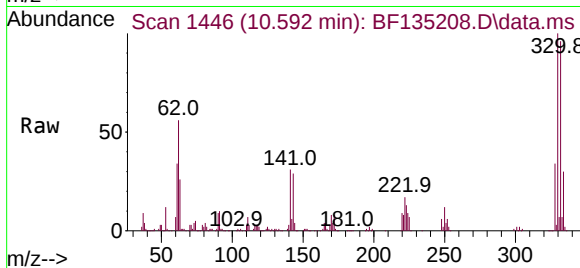
Tgt Ion:164 Resp: 234088
Ion Ratio Lower Upper
164 100
162 103.1 81.0 121.4
160 45.0 37.0 55.4



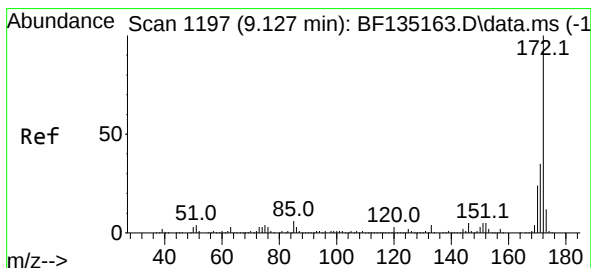
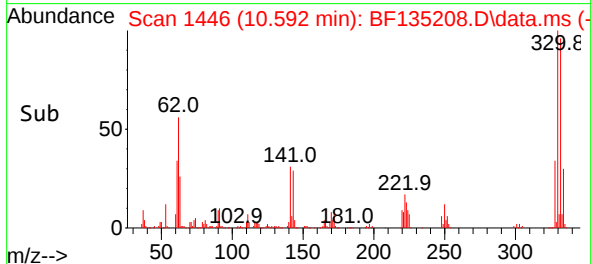
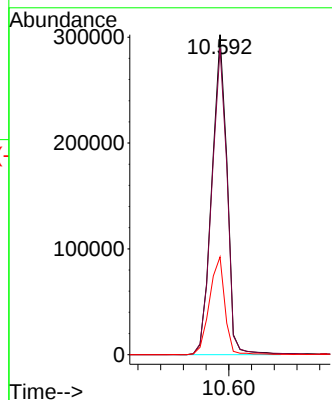


#42
2,4,6-Tribromophenol
Concen: 120.023 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

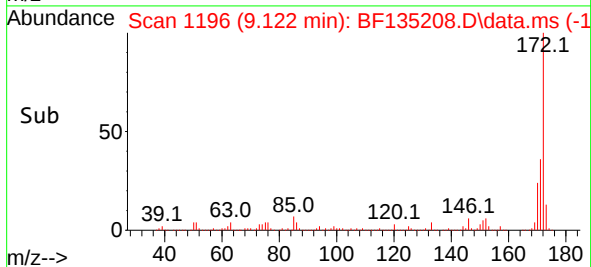
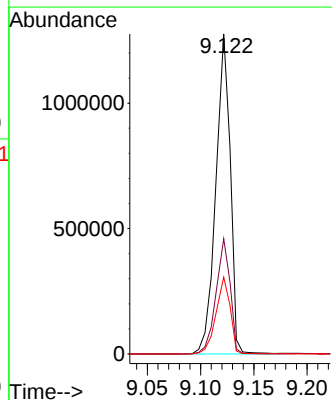
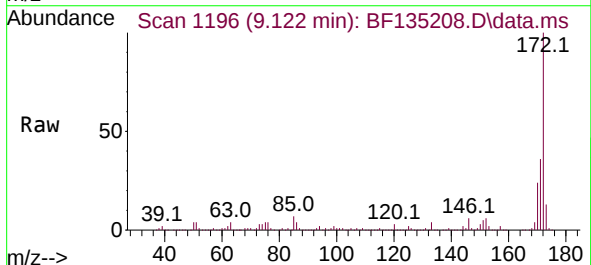


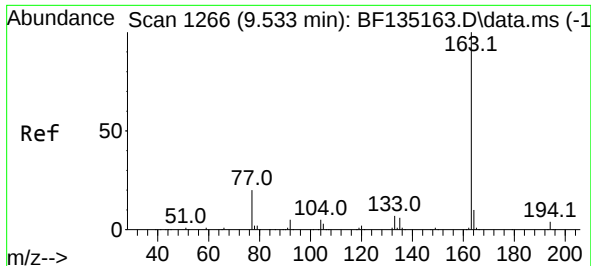
Tgt Ion: 330 Resp: 279206
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 31.3 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 77.563 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion: 172 Resp: 1203443
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 24.0 19.0 28.4

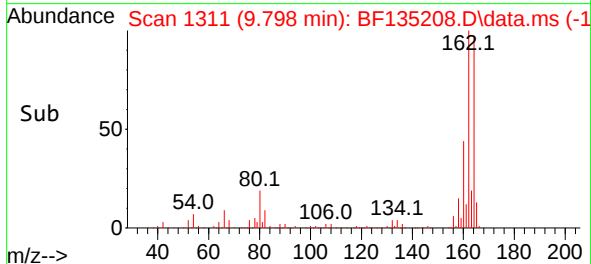
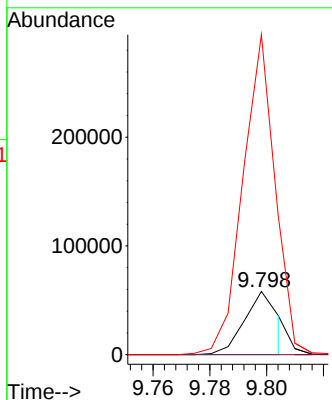
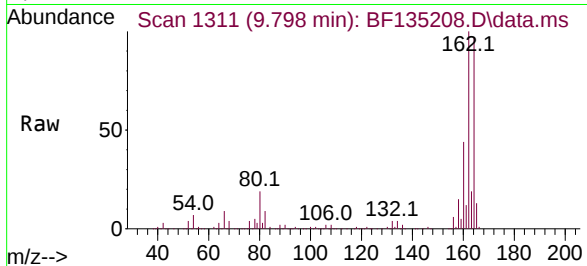




#50
Dimethylphthalate
Concen: 3.002 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

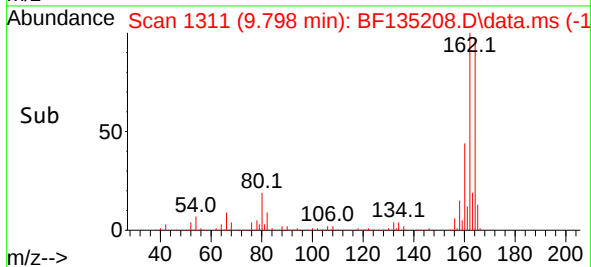
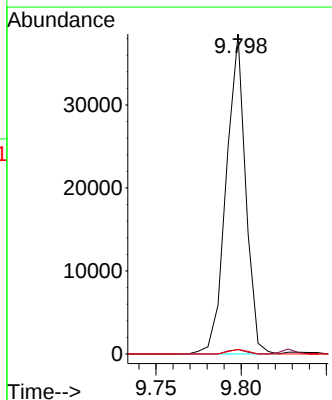
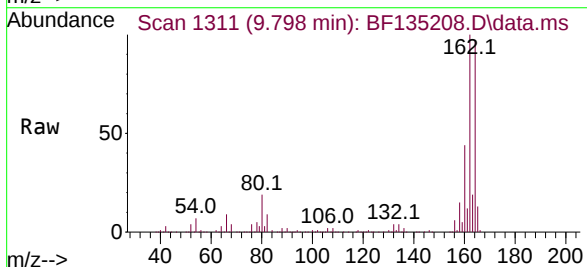
Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

Tgt Ion:163 Resp: 47513
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 506.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.826 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion:165 Resp: 30602
Ion Ratio Lower Upper
165 100
63 1.3 59.4 89.2#
89 1.5 49.8 74.8#

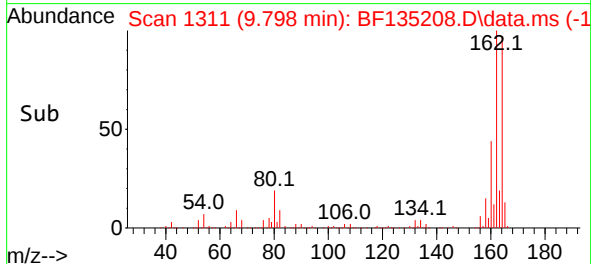
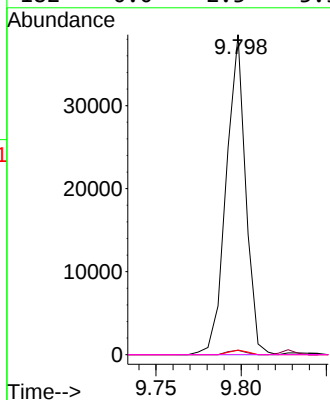
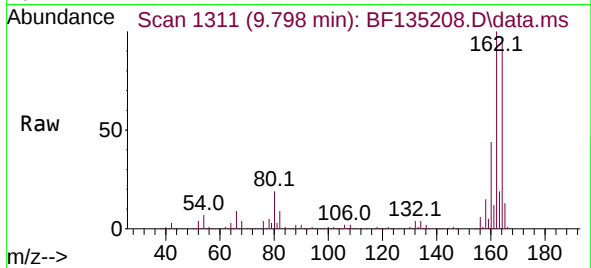




#57
2,4-Dinitrotoluene
Concen: 7.050 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

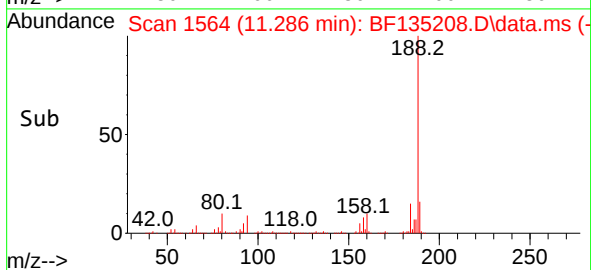
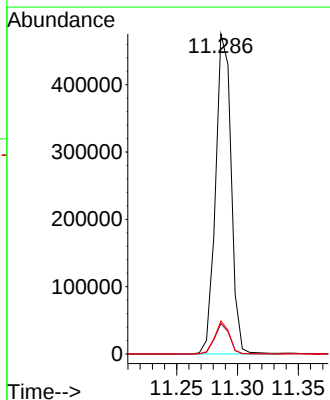
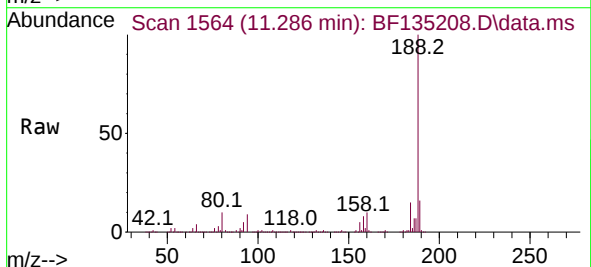
Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

Tgt Ion:165 Resp: 30602
Ion Ratio Lower Upper
165 100
63 1.3 50.1 75.1#
89 1.5 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: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion:188 Resp: 424510
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 10.3 7.5 11.3

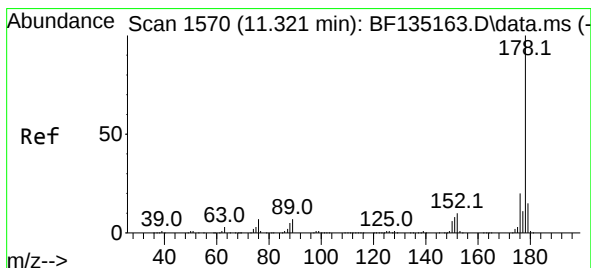
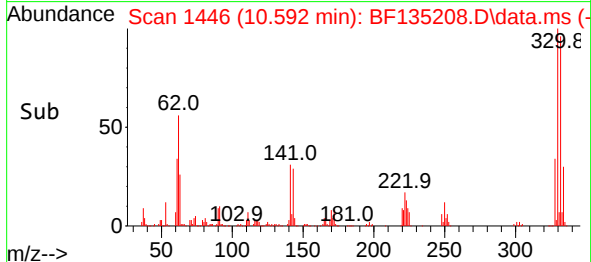
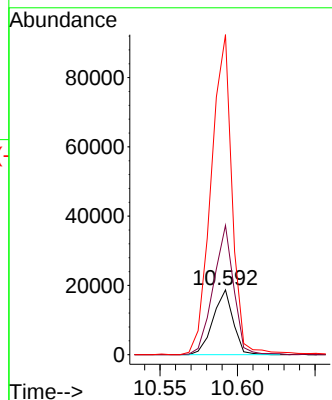
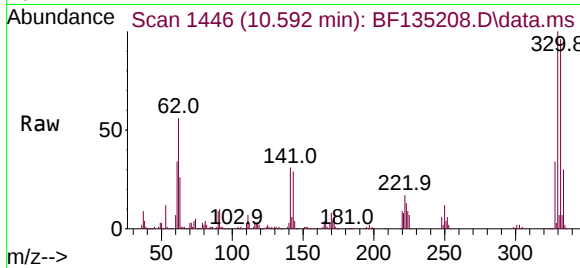




#67
4-Bromophenyl-phenylether
Concen: 3.987 ng
RT: 10.592 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

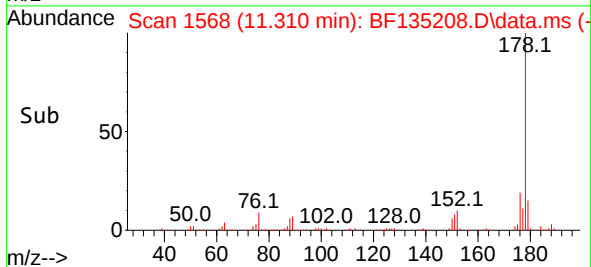
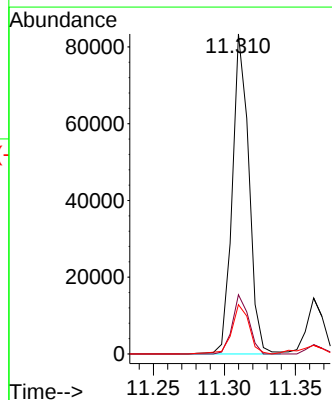
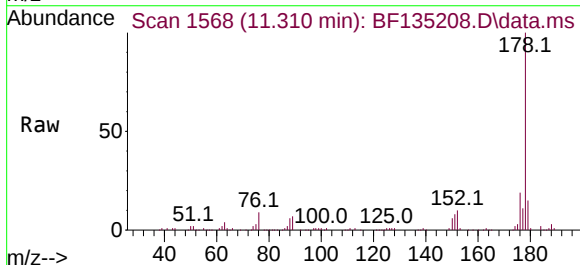
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BNA_F
ClientSampleId :
TP-9-5-23-EPH

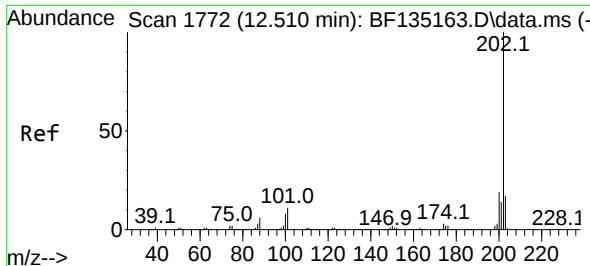
Tgt Ion:248 Resp: 16834
Ion Ratio Lower Upper
248 100
250 199.7 78.6 117.8#
141 494.2 54.2 81.2#



#71
Phenanthrene
Concen: 3.385 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion:178 Resp: 67961
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.4 12.0 18.0

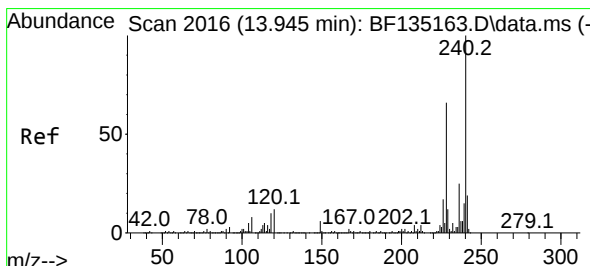
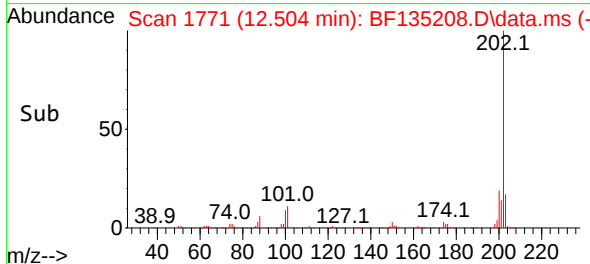
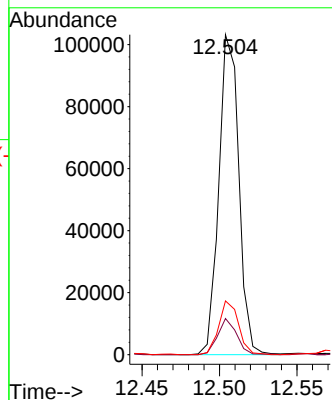
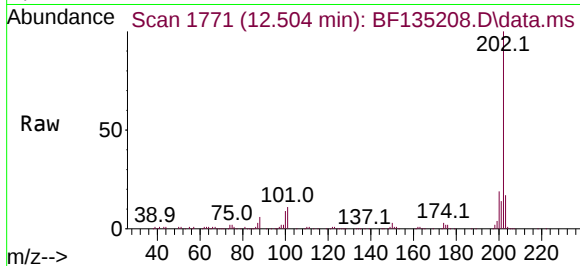




#75
Fluoranthene
Concen: 4.433 ng
RT: 12.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

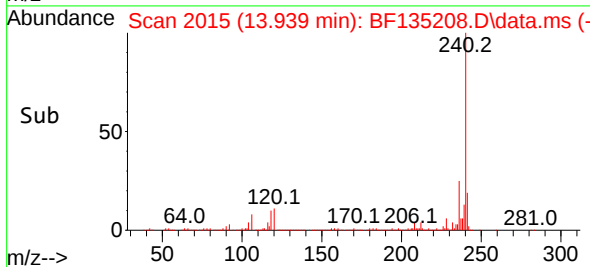
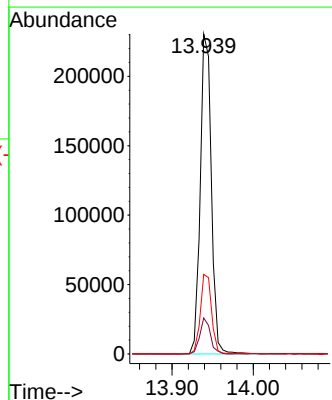
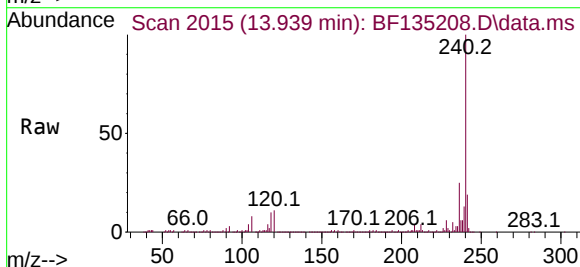
Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

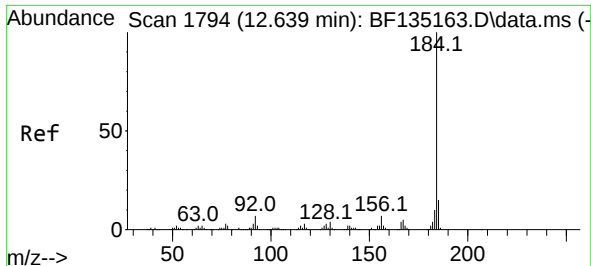
Tgt Ion:202 Resp: 92733
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 16.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion:240 Resp: 219153
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 24.9 19.8 29.8

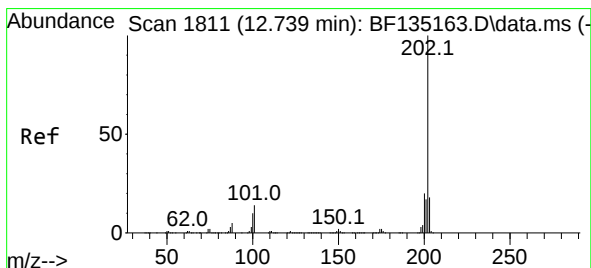
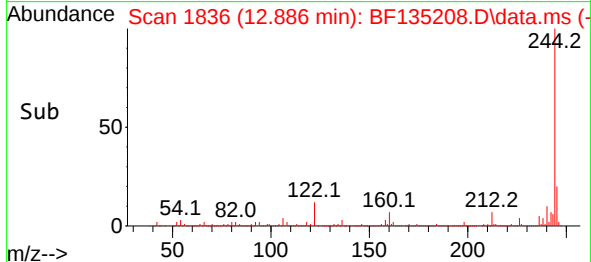
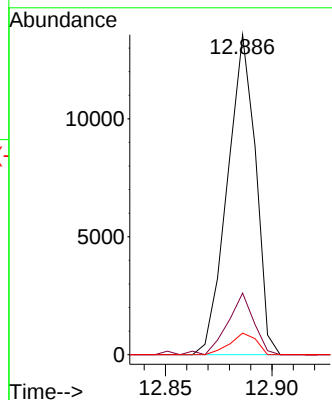
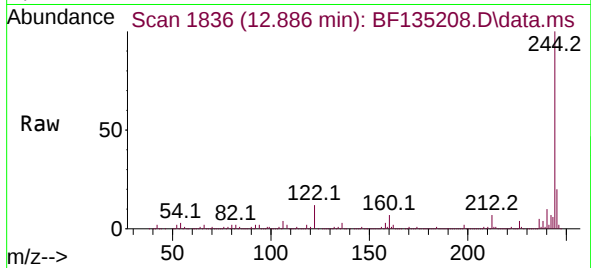




#77
Benzidine
Concen: 2.785 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.247 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

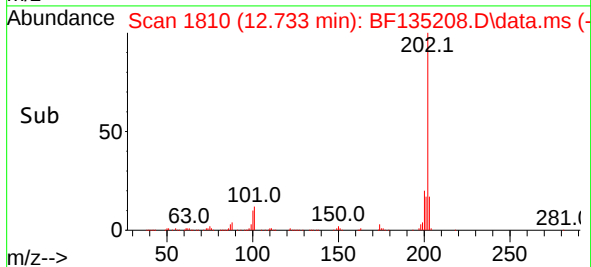
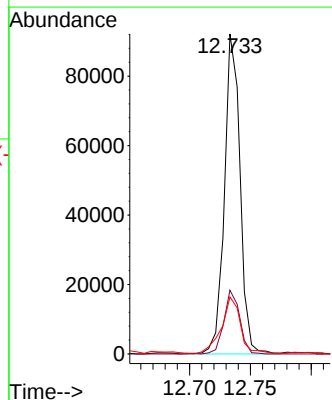
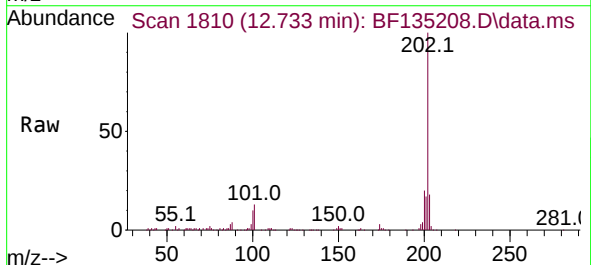
Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

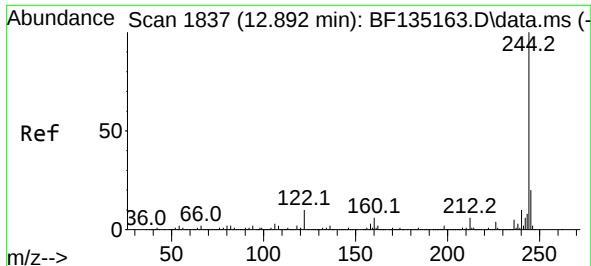
Tgt Ion:184 Resp: 12504
Ion Ratio Lower Upper
184 100
185 19.3 11.7 17.5#
183 6.7 8.2 12.4#



#78
Pyrene
Concen: 3.950 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

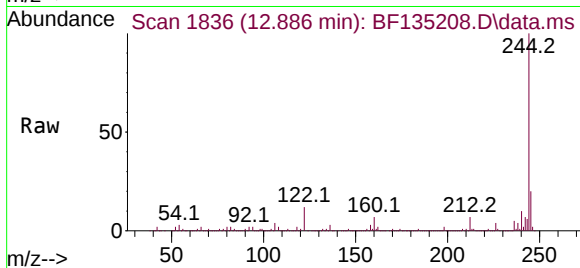
Tgt Ion:202 Resp: 82420
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 17.8 14.2 21.4



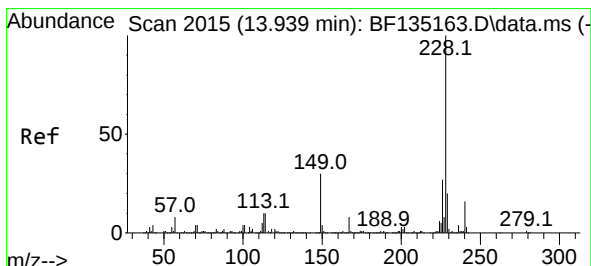
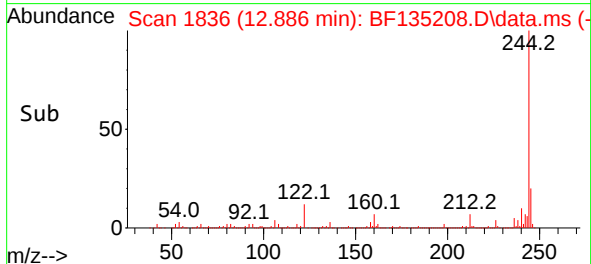
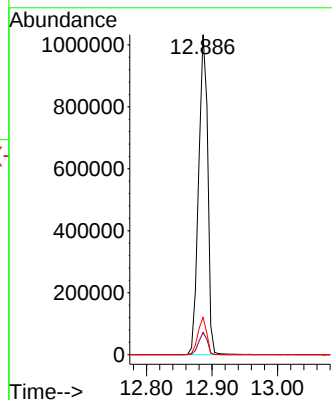


#79
 Terphenyl-d14
 Concen: 70.908 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135208.D
 Acq: 13 Sep 2023 06:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-5-23-EPH

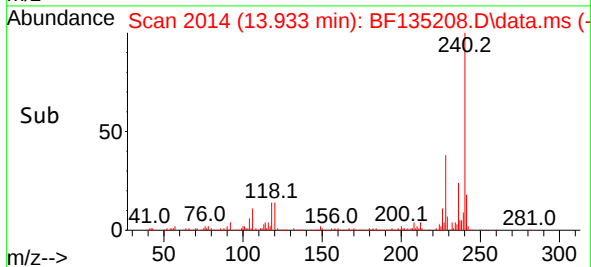
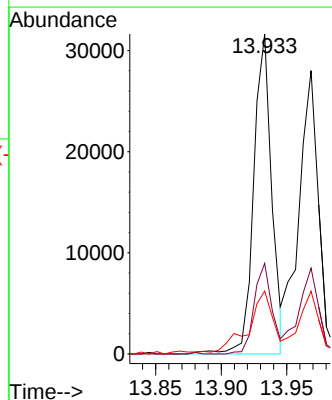
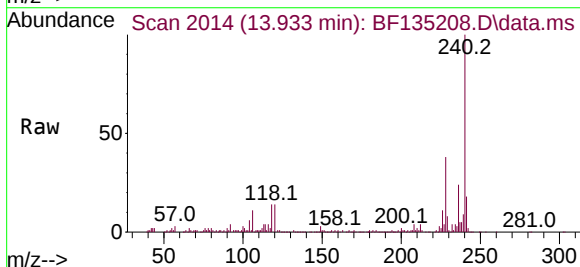


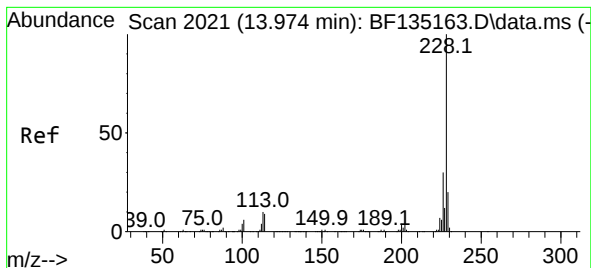
Tgt Ion:244 Resp: 1002433
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.1 7.7
 122 11.7 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 2.132 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135208.D
 Acq: 13 Sep 2023 06:03

Tgt Ion:228 Resp: 30164
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.7 32.5
 229 19.7 15.8 23.8





#83

Chrysene

Concen: 2.114 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135208.D

Acq: 13 Sep 2023 06:03

Instrument :

BNA_F

ClientSampleId :

TP-9-5-23-EPH

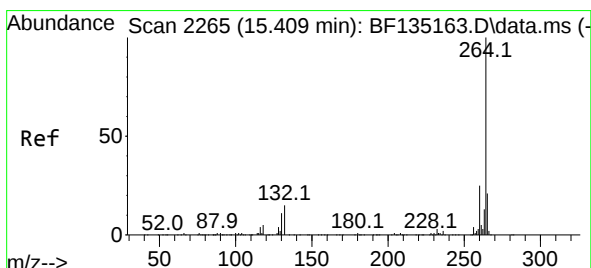
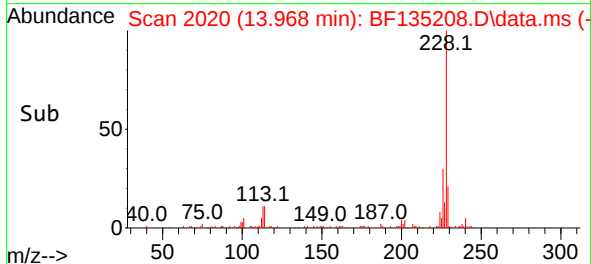
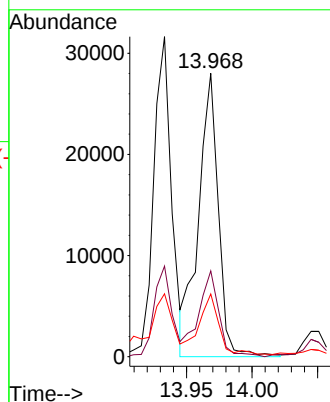
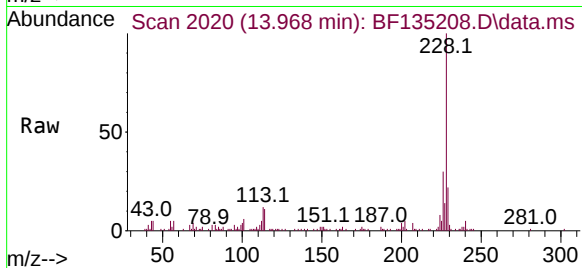
Tgt Ion:228 Resp: 29745

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 22.1 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135208.D

Acq: 13 Sep 2023 06:03

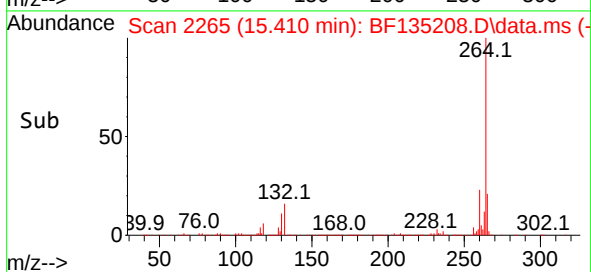
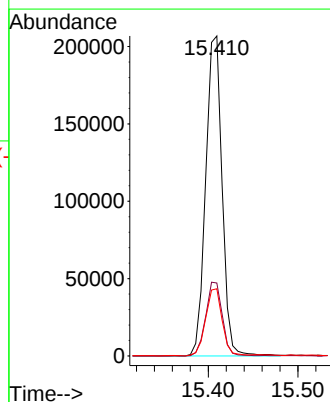
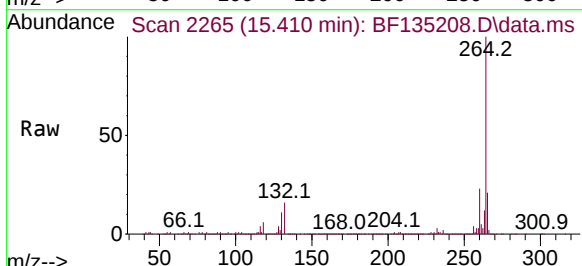
Tgt Ion:264 Resp: 262732

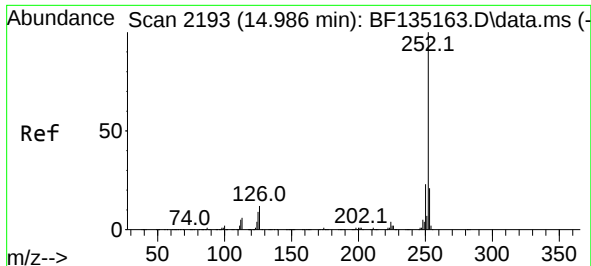
Ion Ratio Lower Upper

264 100

260 22.8 19.8 29.6

265 21.0 17.0 25.4

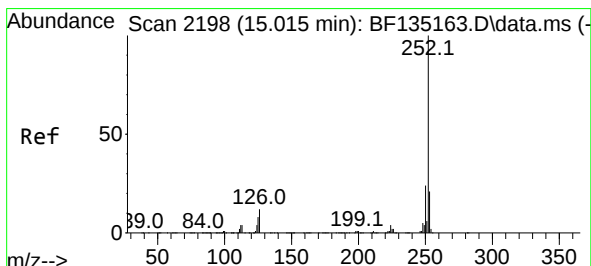
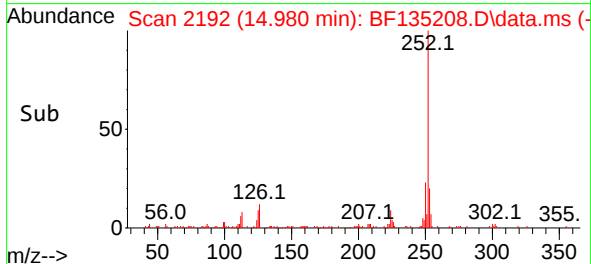
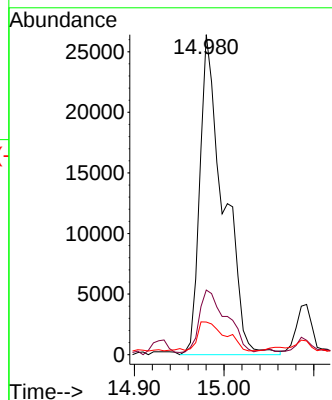
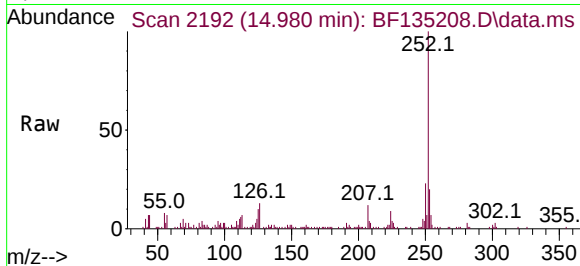




#88
Benzo(b)fluoranthene
Concen: 3.408 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Instrument :
BNA_F
ClientSampleId :
TP-9-5-23-EPH

Tgt Ion:252 Resp: 48477
Ion Ratio Lower Upper
252 100
253 20.2 17.2 25.8
125 10.2 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 3.450 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF135208.D
Acq: 13 Sep 2023 06:03

Tgt Ion:252 Resp: 48477
Ion Ratio Lower Upper
252 100
253 20.2 17.4 26.0
125 10.2 7.2 10.8

