

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135119.D
 Acq On : 06 Sep 2023 04:58
 Operator : CG\JU
 Sample : 04203-02RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(12-12.5)

Quant Time: Sep 06 05:59:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

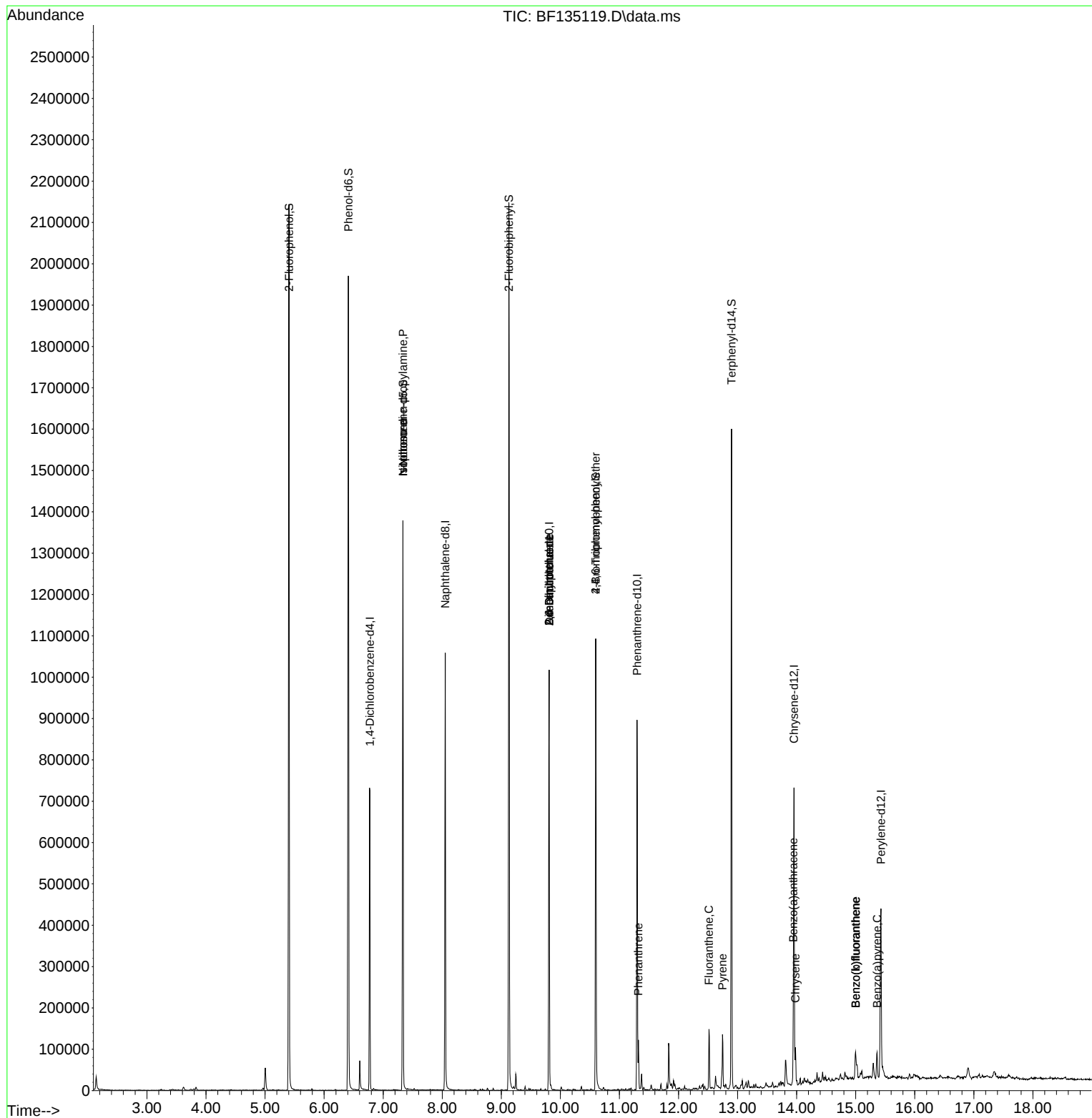
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	109689	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	431459	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	203514	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	318050	20.000	ng	-0.01
76) Chrysene-d12	13.956	240	221381	20.000	ng	0.00
86) Perylene-d12	15.427	264	192555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	531163	74.797	ng	0.00
7) Phenol-d6	6.410	99	655188	74.021	ng	0.00
23) Nitrobenzene-d5	7.333	82	403487	52.538	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	128477	59.512	ng	-0.01
45) 2-Fluorobiphenyl	9.127	172	664968	53.197	ng	-0.01
79) Terphenyl-d14	12.898	244	525056	38.704	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.333	70	54976	10.456	ng	# 77
25) Isophorone	7.333	82	403482	27.710	ng	# 65
50) Dimethylphthalate	9.810	163	41486	2.911	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	25428	8.132	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	25428	6.525	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	8576	2.542	ng	# 1
71) Phenanthrene	11.321	178	41475	2.528	ng	97
75) Fluoranthene	12.515	202	57832	3.486	ng	99
78) Pyrene	12.745	202	52339	2.490	ng	98
81) Benzo(a)anthracene	13.945	228	39700	2.629	ng	97
83) Chrysene	13.980	228	29958	2.019	ng	98
88) Benzo(b)fluoranthene	14.998	252	49815	4.158	ng	98
89) Benzo(k)fluoranthene	14.998	252	49815	4.304	ng	97
90) Benzo(a)pyrene	15.362	252	28650	2.574	ng	94

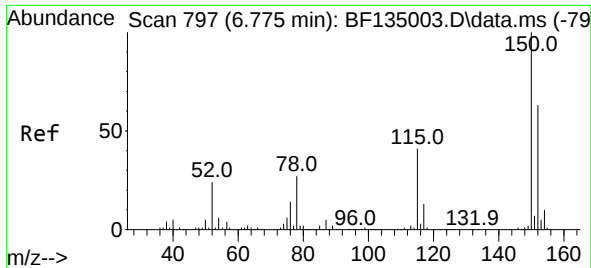
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 31 03:48:08 2023
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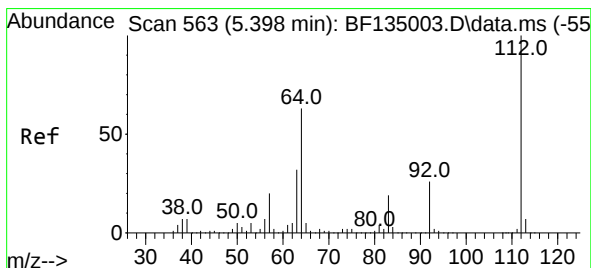
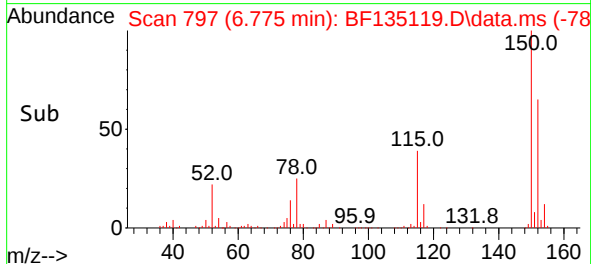
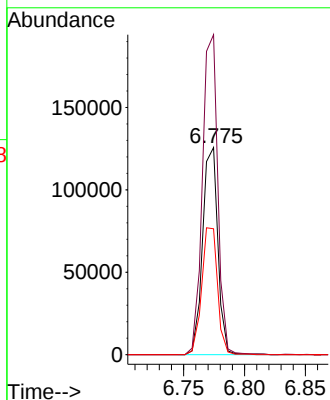
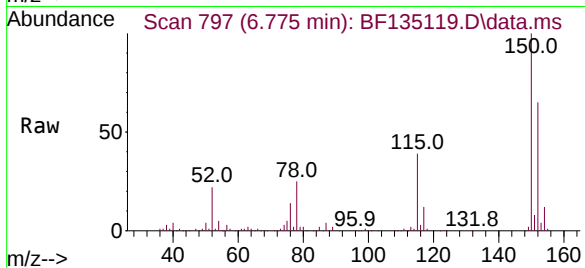




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

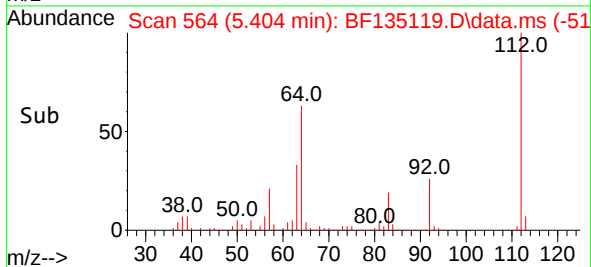
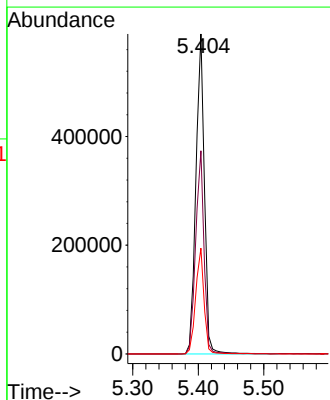
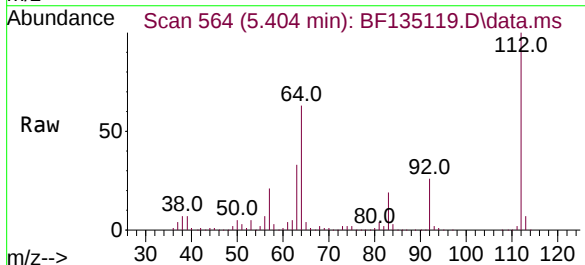
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

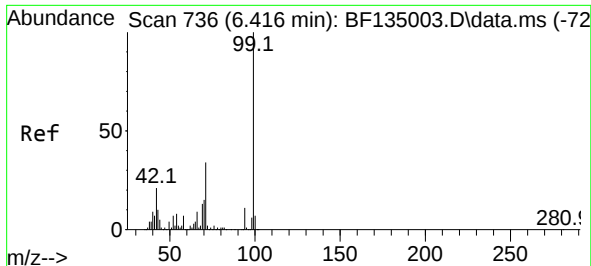
Tgt Ion:152 Resp: 109689
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.4
115 60.7 51.2 76.8



#5
2-Fluorophenol
Concen: 74.797 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:112 Resp: 531163
Ion Ratio Lower Upper
112 100
64 63.5 50.5 75.7
63 33.0 25.9 38.9





#7

Phenol-d6

Concen: 74.021 ng

RT: 6.410 min Scan# 736

Delta R.T. -0.006 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

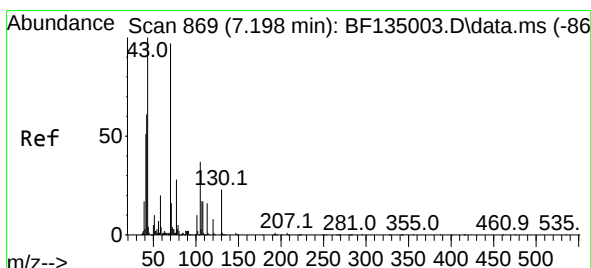
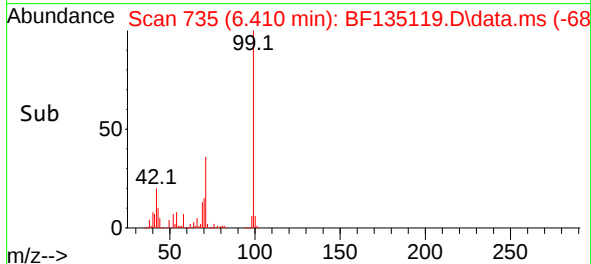
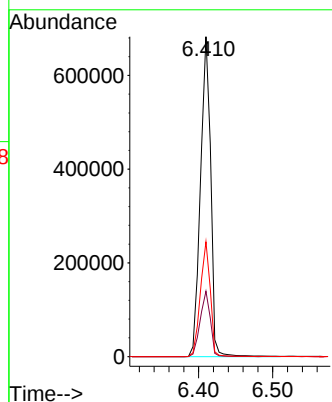
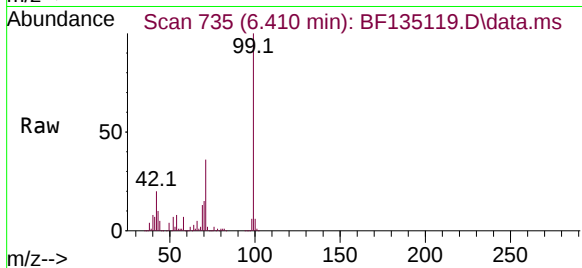
Tgt Ion: 99 Resp: 655188

Ion Ratio Lower Upper

99 100

42 20.4 16.6 25.0

71 35.9 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.456 ng

RT: 7.333 min Scan# 892

Delta R.T. 0.135 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

Tgt Ion: 70 Resp: 54976

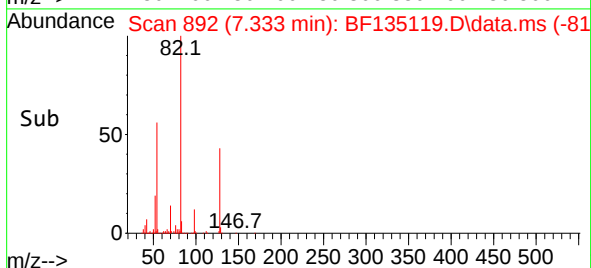
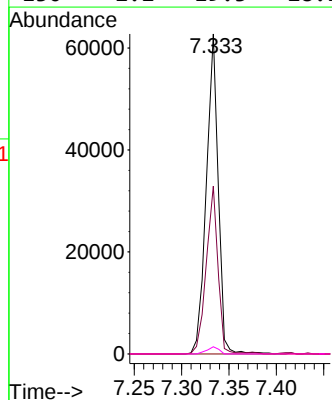
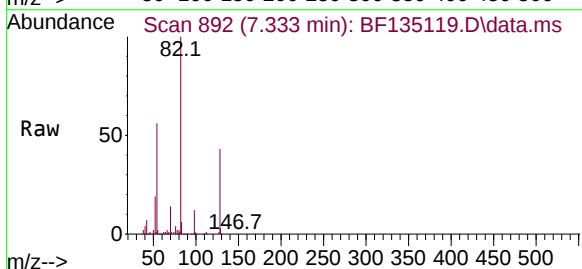
Ion Ratio Lower Upper

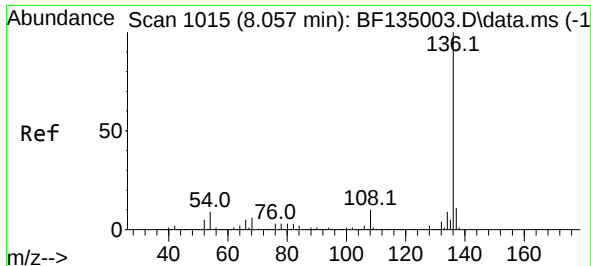
70 100

42 52.4 50.2 75.4

101 0.0 8.1 12.1#

130 2.2 19.3 28.9#

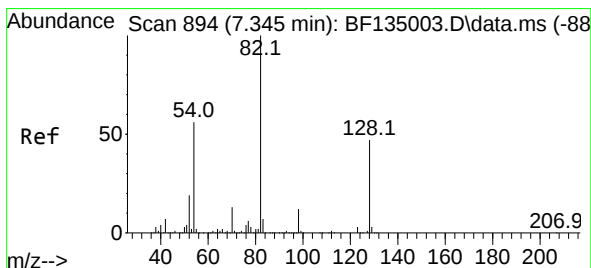
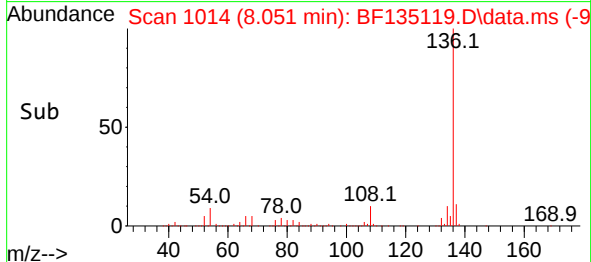
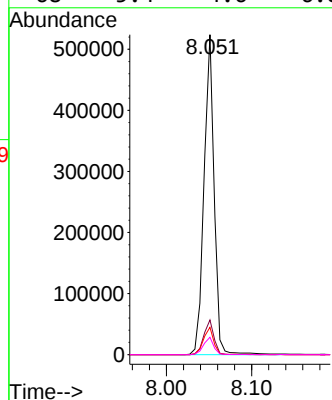
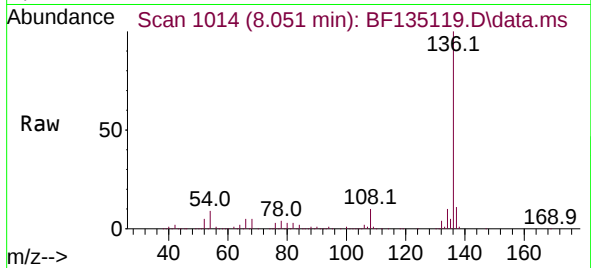




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

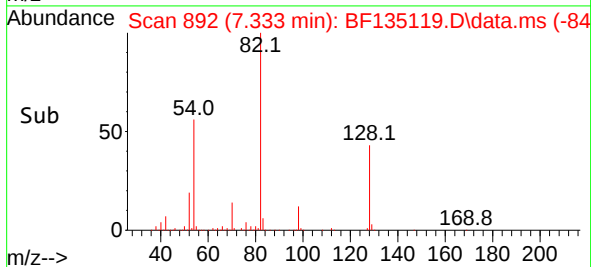
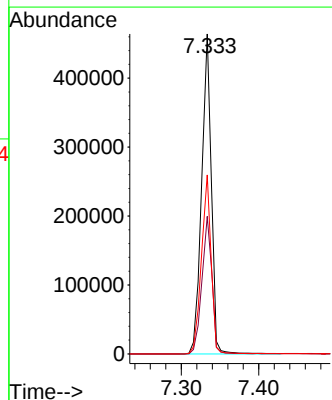
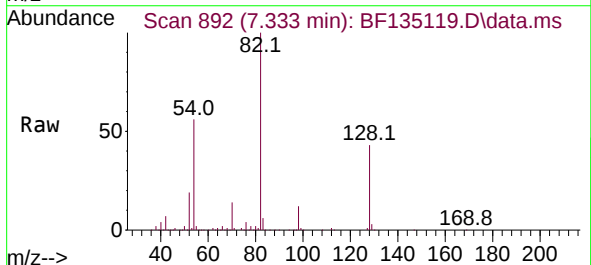
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

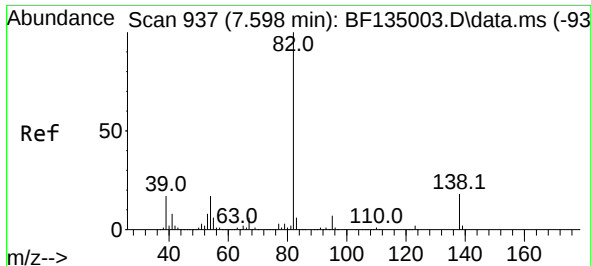
Tgt Ion:136	Resp: 431459
Ion Ratio	Lower Upper
136 100	
137 10.8	8.8 13.2
54 8.5	7.0 10.4
68 5.4	4.6 6.8



#23
Nitrobenzene-d5
Concen: 52.538 ng
RT: 7.333 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion: 82	Resp: 403487
Ion Ratio	Lower Upper
82 100	
128 43.0	37.8 56.8
54 55.9	45.0 67.6

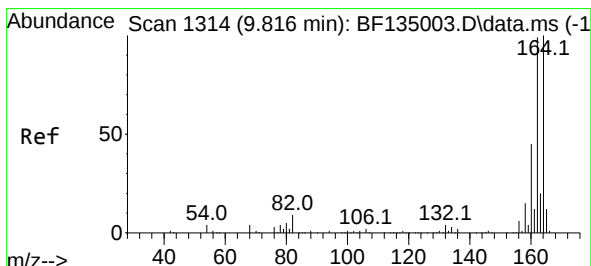
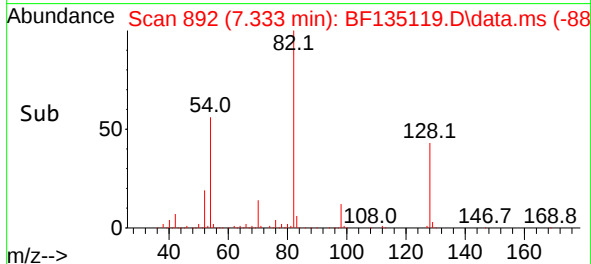
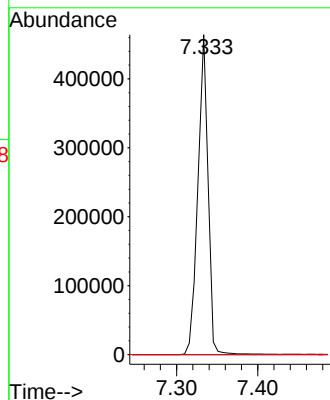
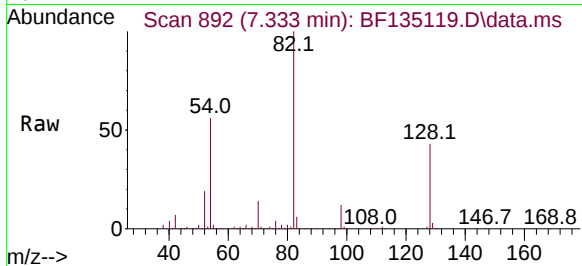




#25
Isophorone
Concen: 27.710 ng
RT: 7.333 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

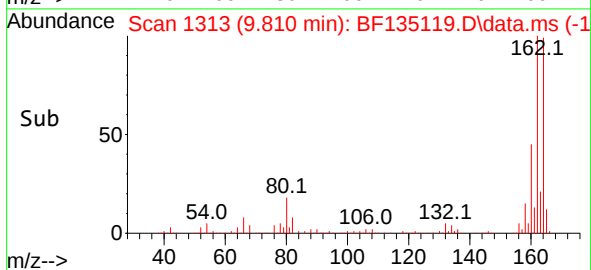
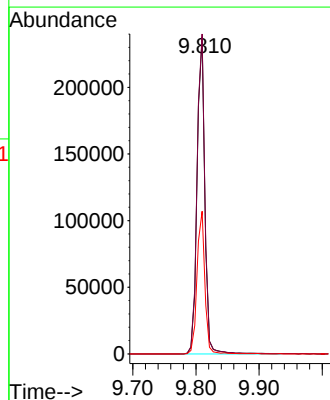
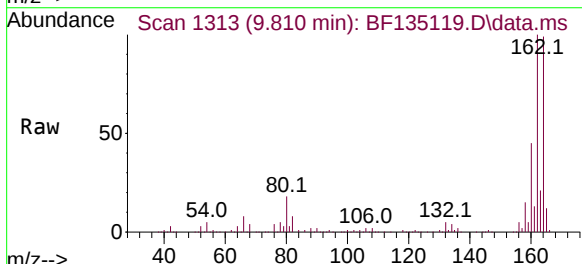
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

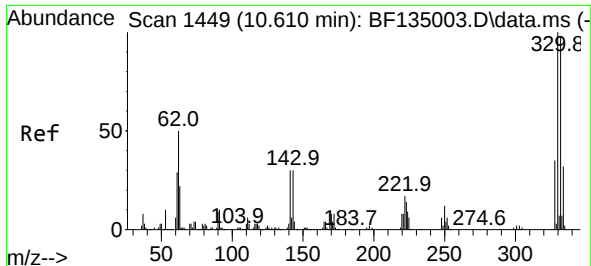
Tgt Ion: 82 Resp: 403482
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:164 Resp: 203514
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 45.0 36.0 54.0

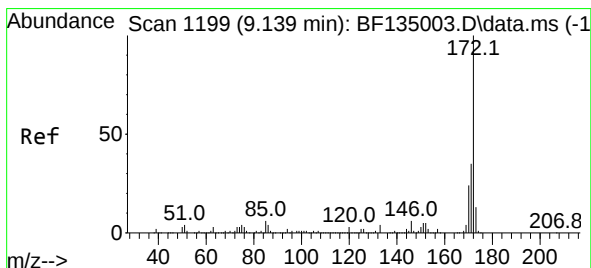
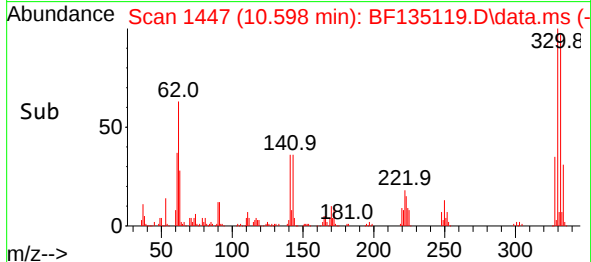
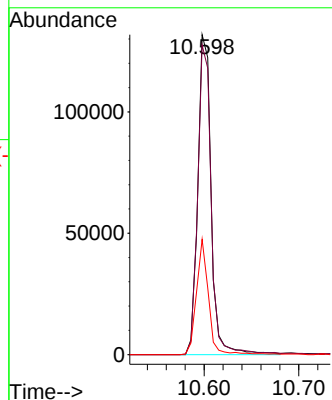
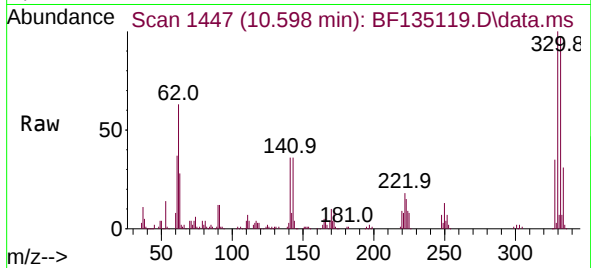




#42
2,4,6-Tribromophenol
Concen: 59.512 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

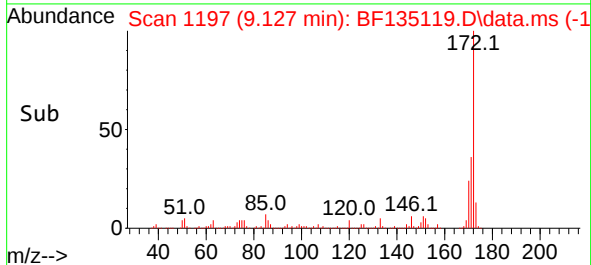
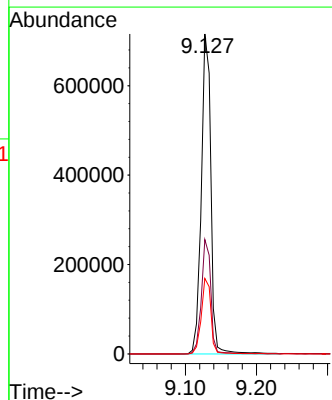
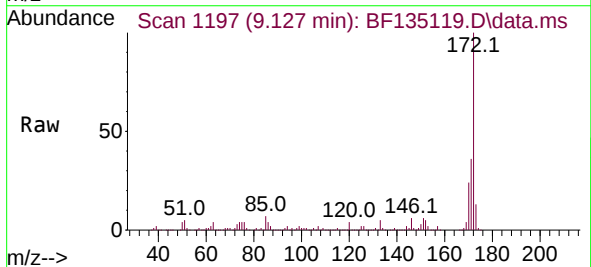
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

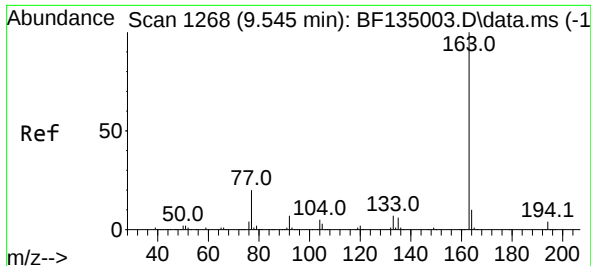
Tgt Ion:330 Resp: 128477
Ion Ratio Lower Upper
330 100
332 98.8 77.6 116.4
141 32.5 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 53.197 ng
RT: 9.127 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:172 Resp: 664968
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.6 19.0 28.4

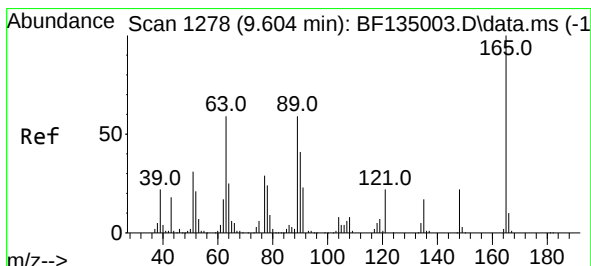
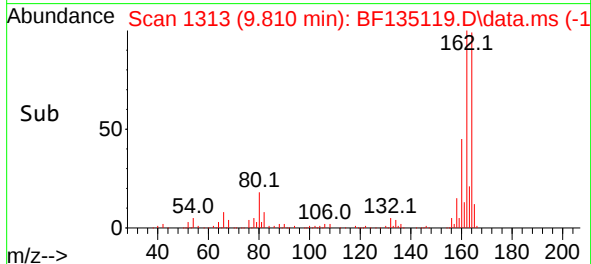
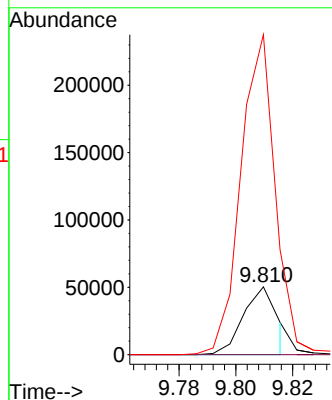
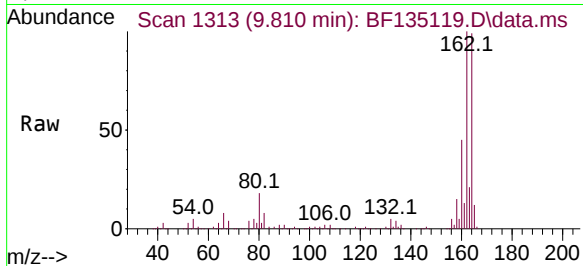




#50
Dimethylphthalate
Concen: 2.911 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.264 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

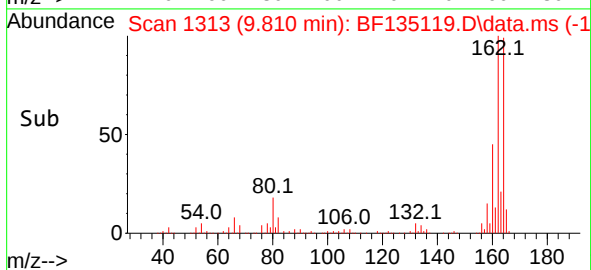
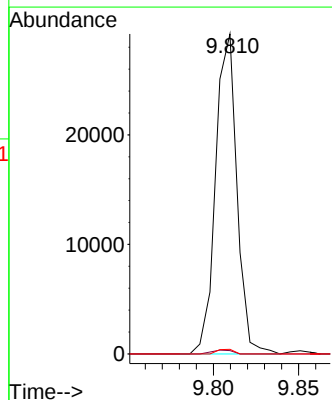
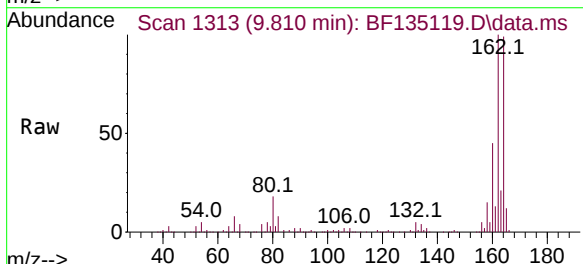
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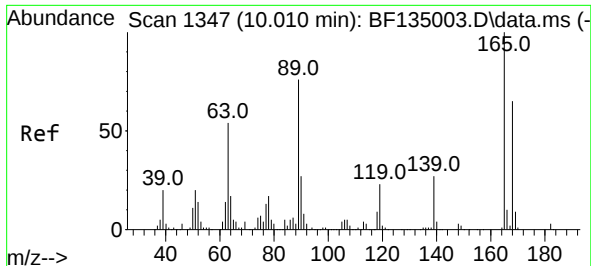
Tgt Ion:163 Resp: 41486
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 472.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.132 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:165 Resp: 25428
Ion Ratio Lower Upper
165 100
63 1.0 50.4 75.6#
89 1.4 47.1 70.7#

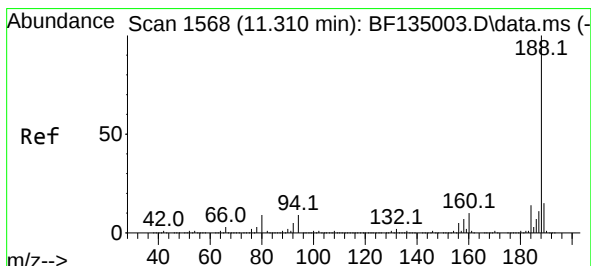
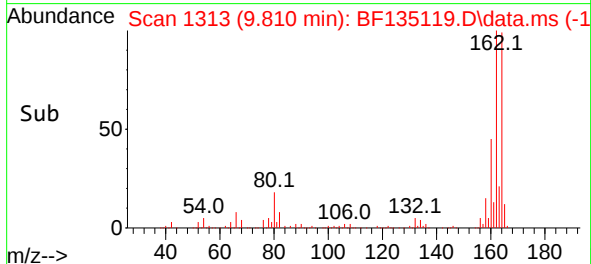
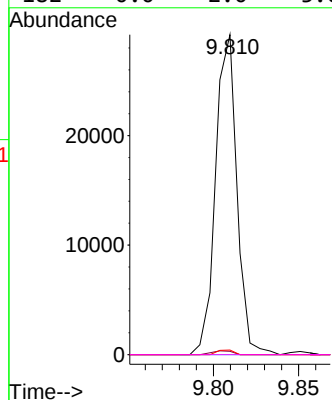
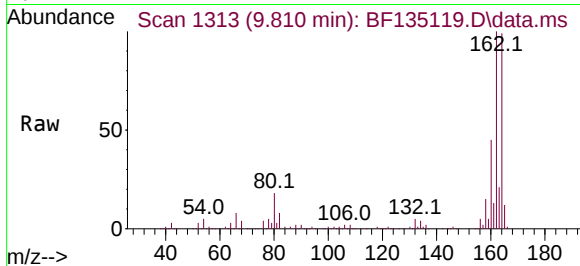




#57
2,4-Dinitrotoluene
Concen: 6.525 ng
RT: 9.810 min Scan# 1347
Delta R.T. -0.200 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

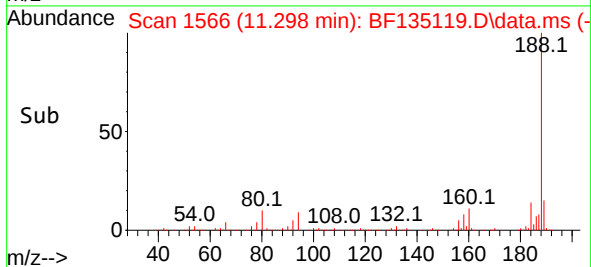
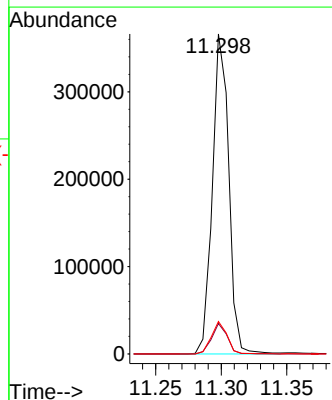
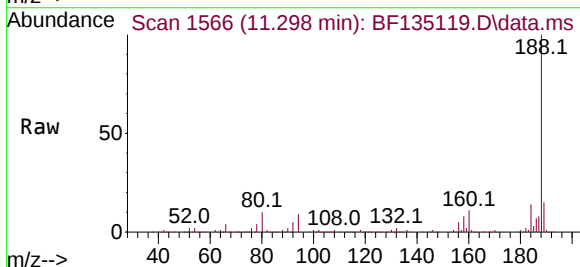
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

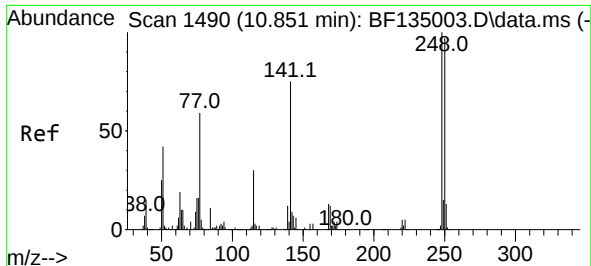
Tgt Ion:165 Resp: 25428
Ion Ratio Lower Upper
165 100
63 1.0 43.2 64.8#
89 1.4 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:188 Resp: 318050
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.4
80 10.1 7.4 11.2

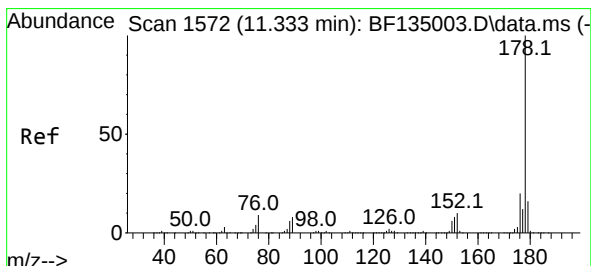
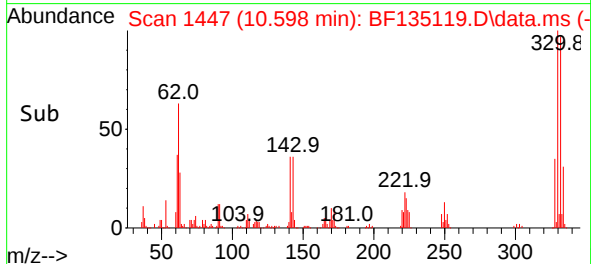
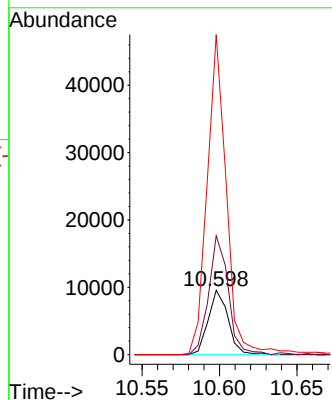
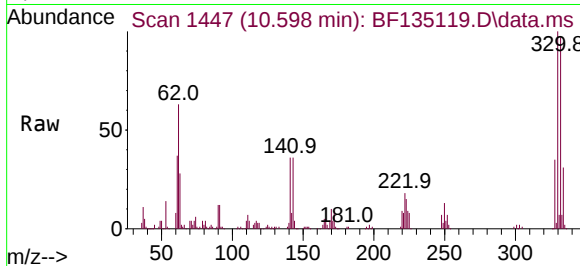




#67
4-Bromophenyl-phenylether
Concen: 2.542 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

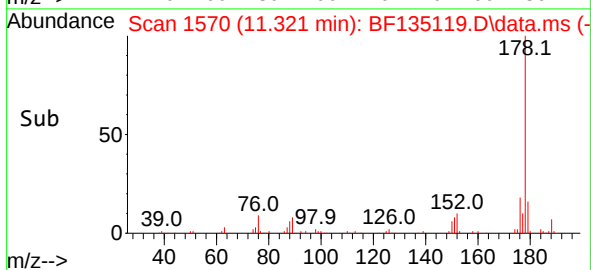
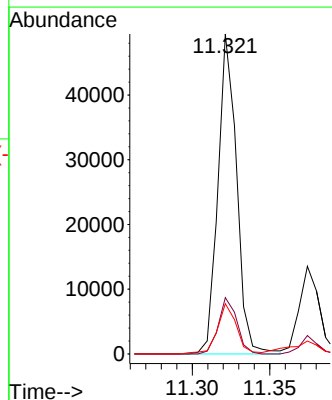
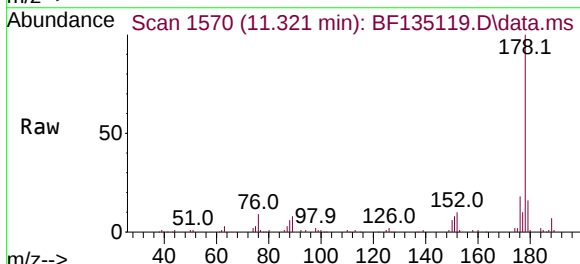
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

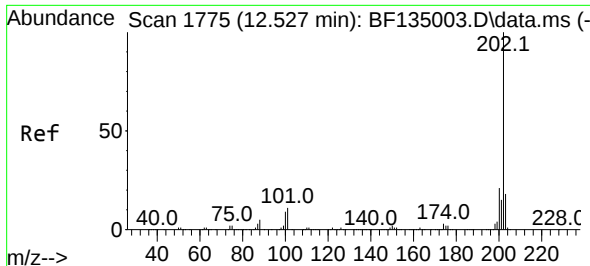
Tgt Ion:248 Resp: 8576
Ion Ratio Lower Upper
248 100
250 185.1 77.9 116.9#
141 498.4 59.8 89.8#



#71
Phenanthrene
Concen: 2.528 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:178 Resp: 41475
Ion Ratio Lower Upper
178 100
176 17.6 15.9 23.9
179 15.7 12.5 18.7

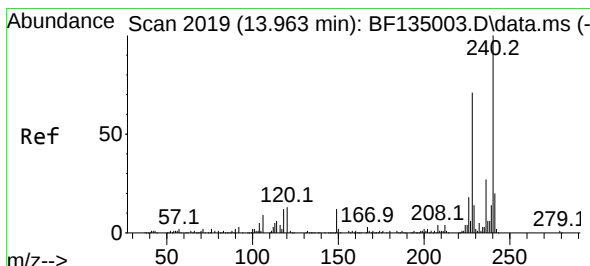
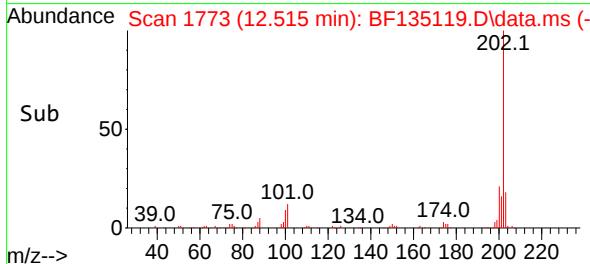
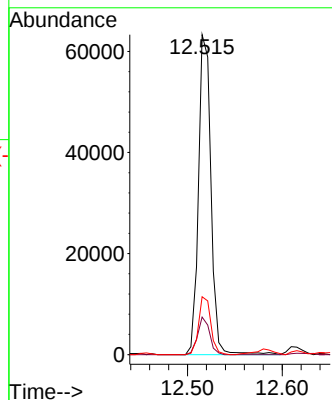
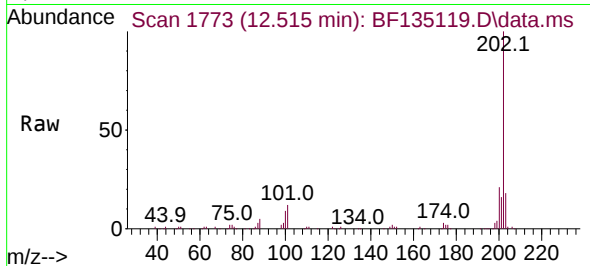




#75
Fluoranthene
Concen: 3.486 ng
RT: 12.515 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

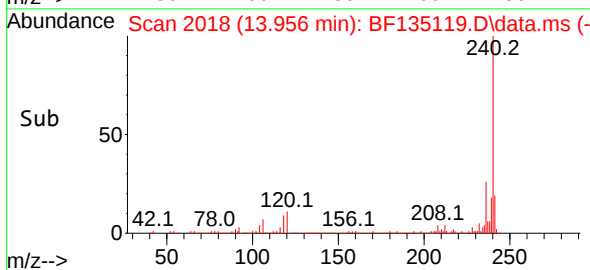
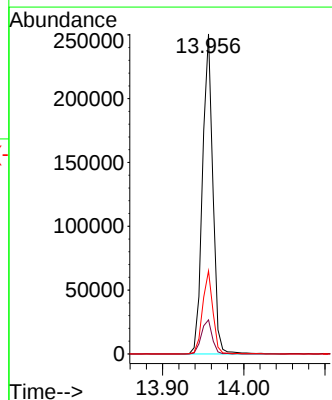
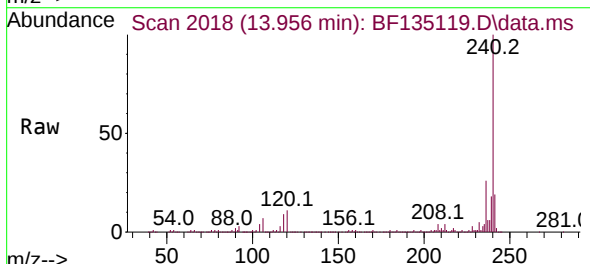
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

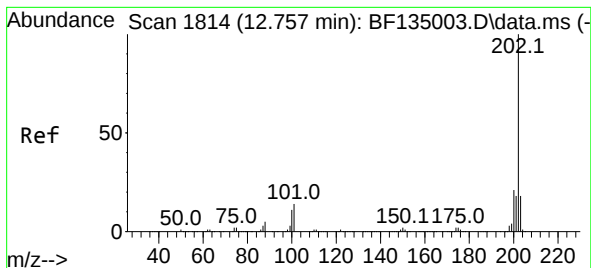
Tgt Ion:202 Resp: 57832
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.5
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.956 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:240 Resp: 221381
Ion Ratio Lower Upper
240 100
120 10.6 10.2 15.2
236 25.9 21.3 31.9





#78

Pyrene

Concen: 2.490 ng

RT: 12.745 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

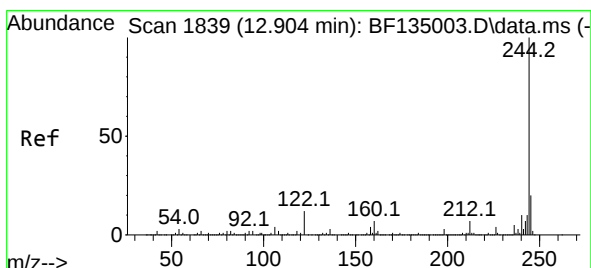
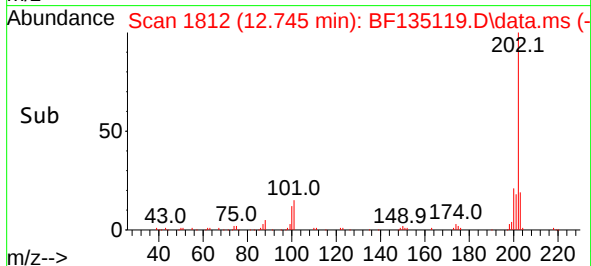
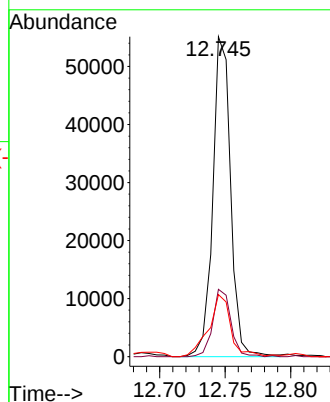
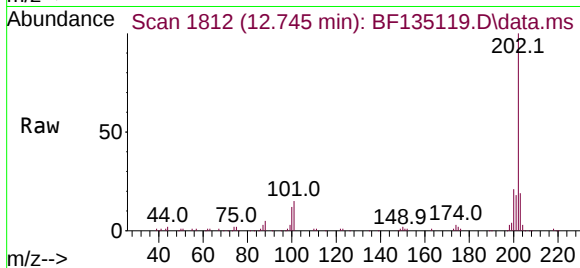
Tgt Ion:202 Resp: 52339

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 19.4 14.2 21.2



#79

Terphenyl-d14

Concen: 38.704 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

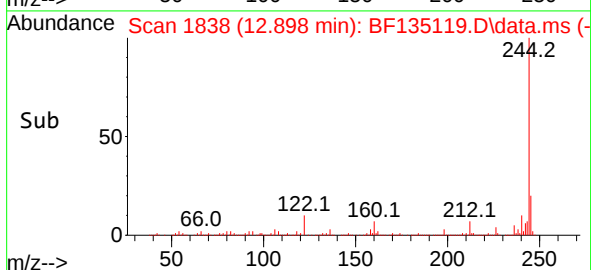
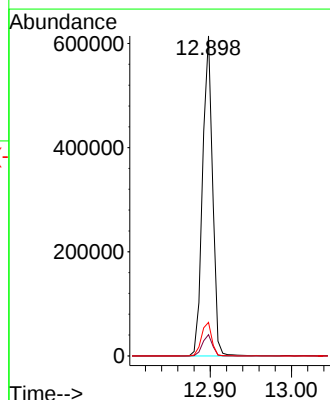
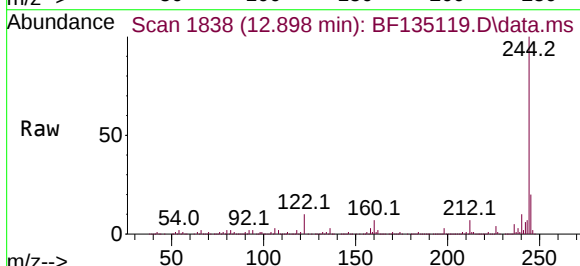
Tgt Ion:244 Resp: 525056

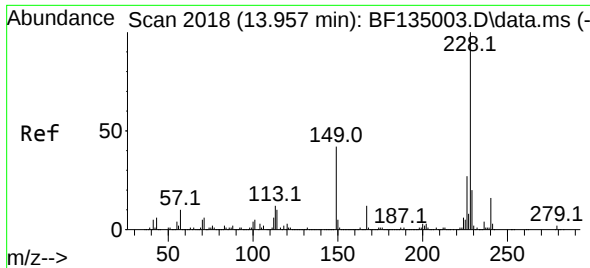
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.5 9.8 14.6

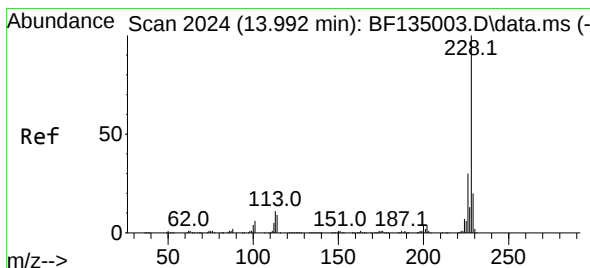
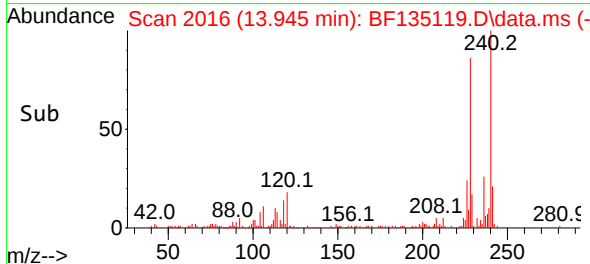
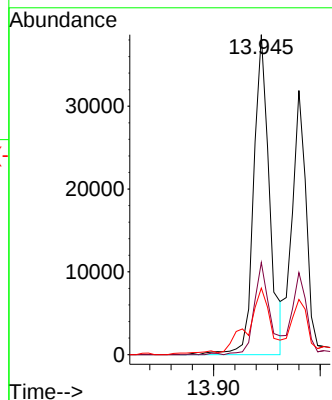
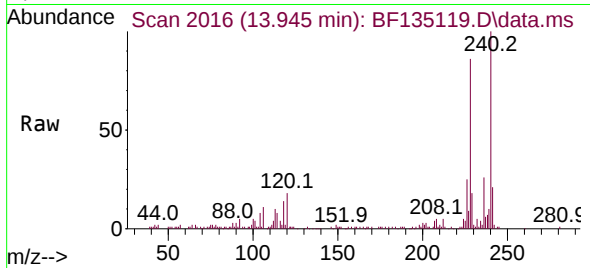




#81
Benzo(a)anthracene
Concen: 2.629 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

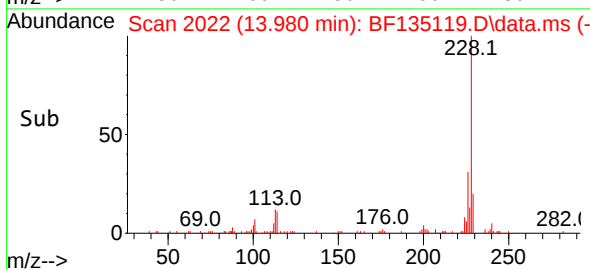
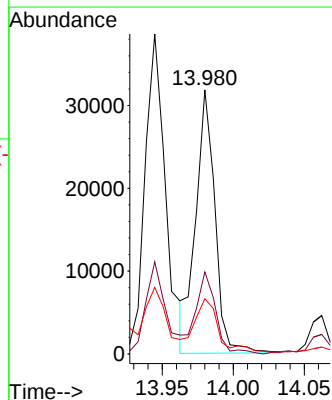
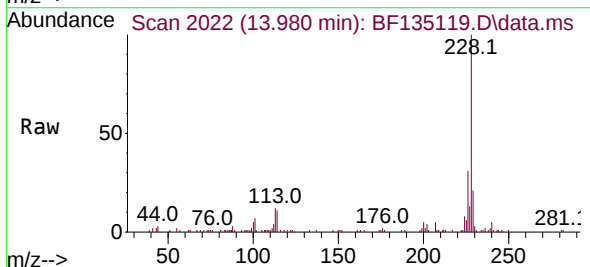
Instrument :
BNA_F
ClientSampleId :
SB-2(12-12.5)

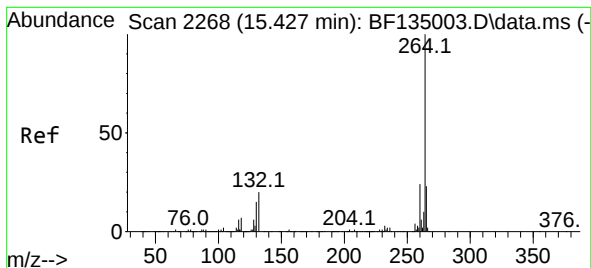
Tgt Ion:228 Resp: 39700
Ion Ratio Lower Upper
228 100
226 28.8 21.6 32.4
229 20.8 15.6 23.4



#83
Chrysene
Concen: 2.019 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135119.D
Acq: 06 Sep 2023 04:58

Tgt Ion:228 Resp: 29958
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 20.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

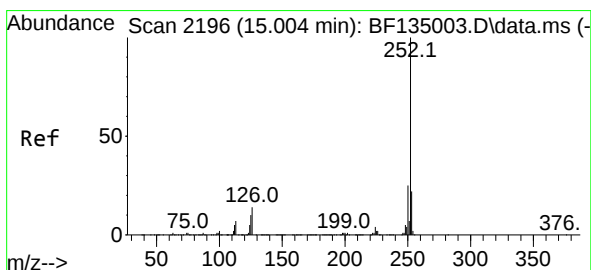
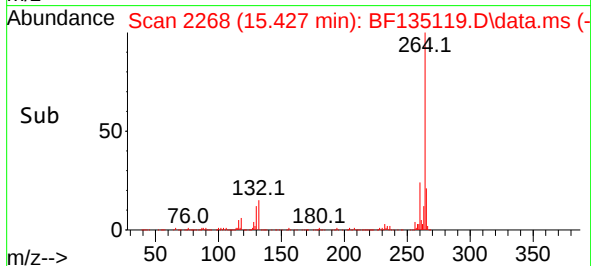
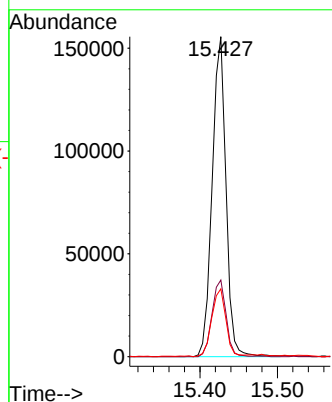
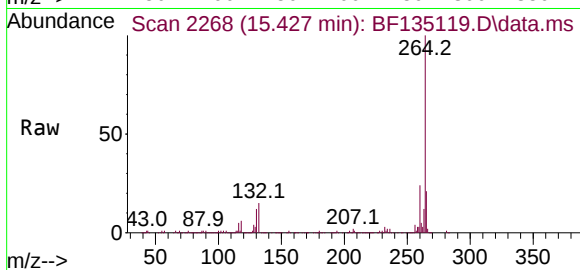
Tgt Ion:264 Resp: 192555

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.2 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 4.158 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

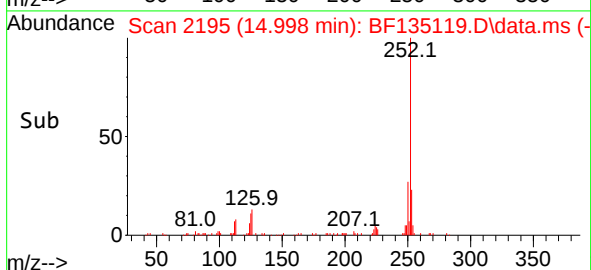
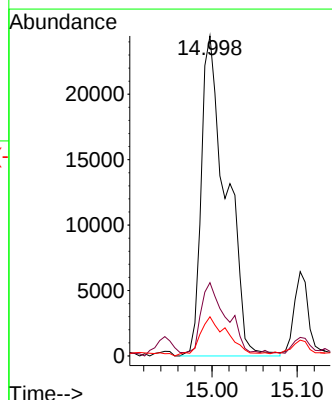
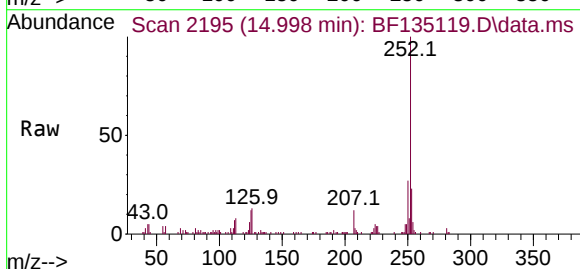
Tgt Ion:252 Resp: 49815

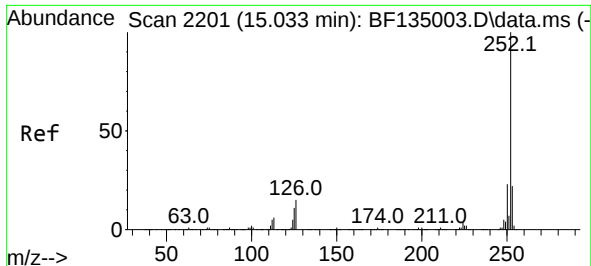
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 12.2 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 4.304 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

Instrument :

BNA_F

ClientSampleId :

SB-2(12-12.5)

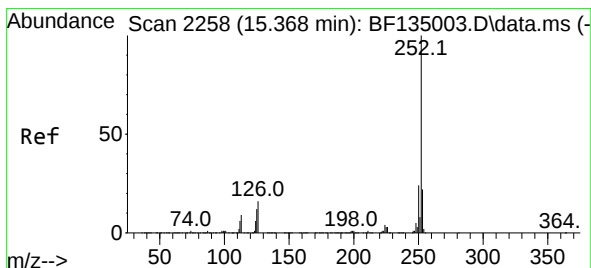
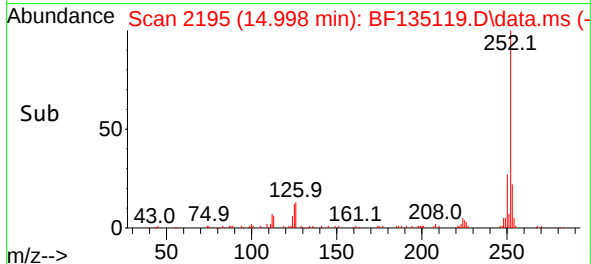
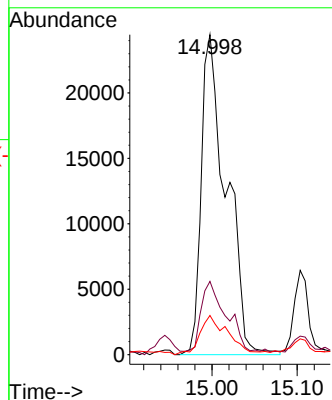
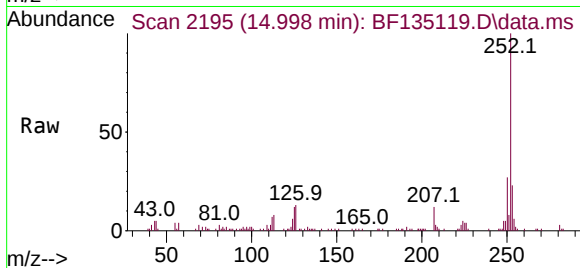
Tgt Ion:252 Resp: 49815

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 12.2 8.5 12.7



#90

Benzo(a)pyrene

Concen: 2.574 ng

RT: 15.362 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF135119.D

Acq: 06 Sep 2023 04:58

Tgt Ion:252 Resp: 28650

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.0

125 9.6 9.5 14.3

