

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135024.D
 Acq On : 31 Aug 2023 01:53
 Operator : CG\JU
 Sample : 04196-29
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-05

Quant Time: Aug 31 06:00:16 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)

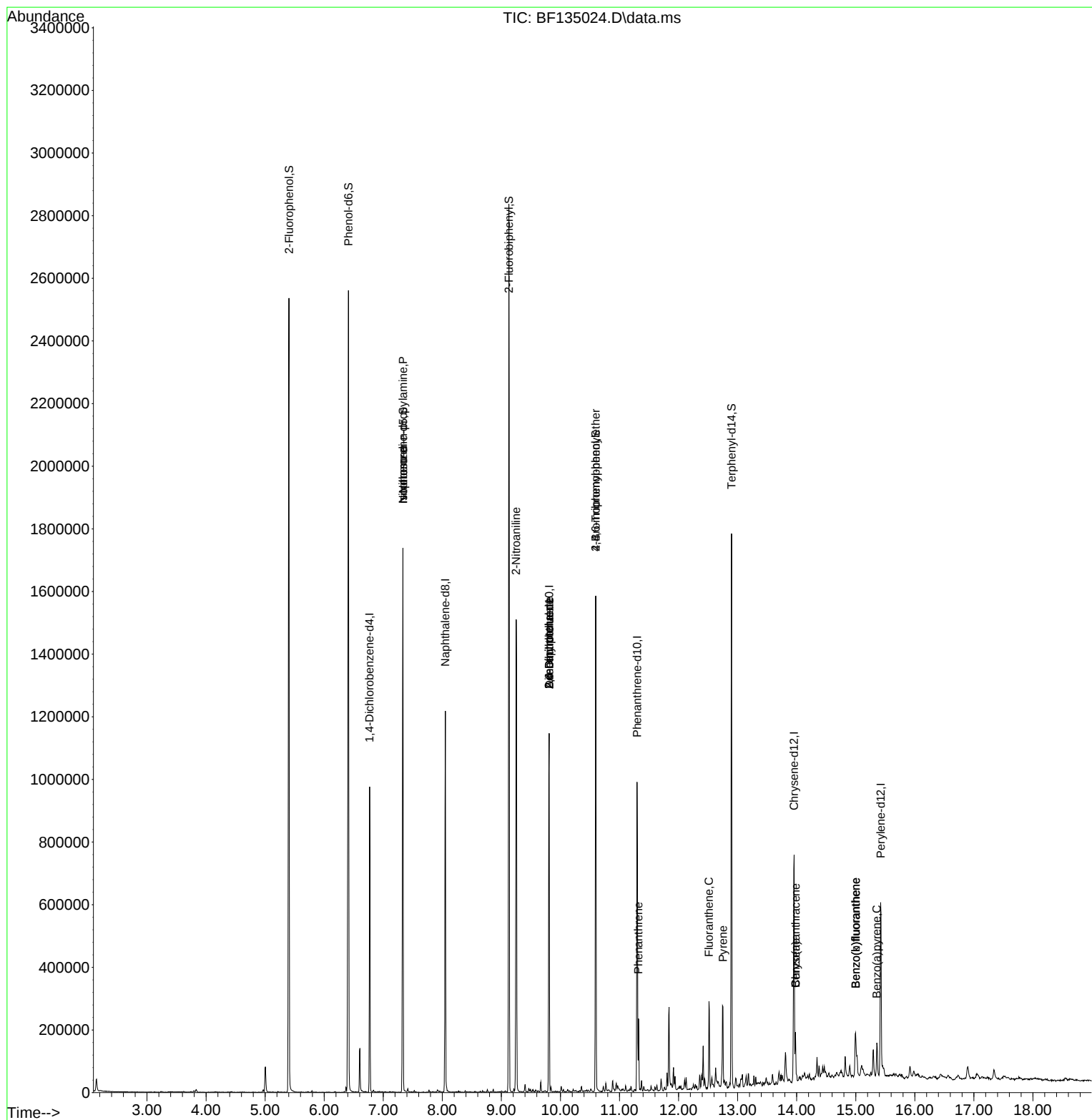
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	127386	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	496510	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	230649	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	342203	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	224986	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	251366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	689265	83.577	ng	0.00
7) Phenol-d6	6.410	99	839266	81.645	ng	0.00
23) Nitrobenzene-d5	7.334	82	500530	56.636	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	169903	69.442	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	850943	60.066	ng	-0.01
79) Terphenyl-d14	12.898	244	579589	42.040	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	66371	10.870	ng	# 77
25) Isophorone	7.334	82	500519	29.871	ng	# 65
48) 2-Nitroaniline	9.251	65	15573	3.433	ng	# 10
50) Dimethylphthalate	9.810	163	48260	2.988	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	30090	8.491	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	30090	6.813	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	10766	2.966	ng	# 1
71) Phenanthrene	11.322	178	79639	4.511	ng	98
75) Fluoranthene	12.516	202	109900	6.157	ng	98
78) Pyrene	12.751	202	111333	5.212	ng	99
81) Benzo(a)anthracene	13.980	228	61534	4.009	ng	94
83) Chrysene	13.980	228	61534	4.080	ng	98
88) Benzo(b)fluoranthene	14.998	252	99420	6.357	ng	# 97
89) Benzo(k)fluoranthene	14.998	252	99420	6.580	ng	# 97
90) Benzo(a)pyrene	15.357	252	49194	3.386	ng	98

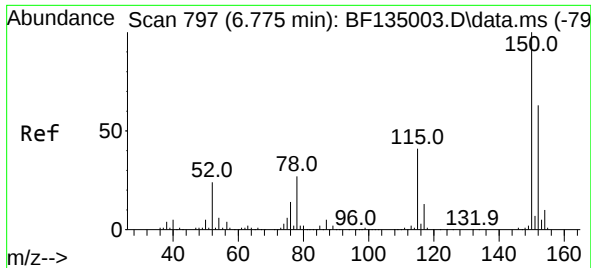
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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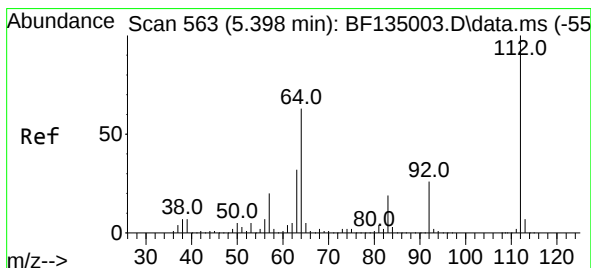
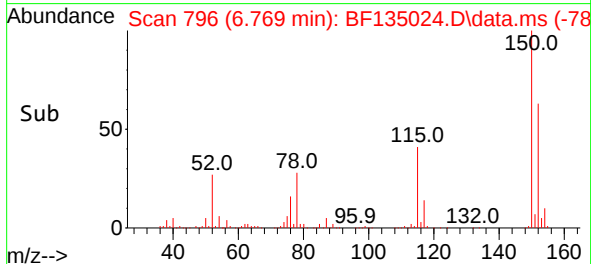
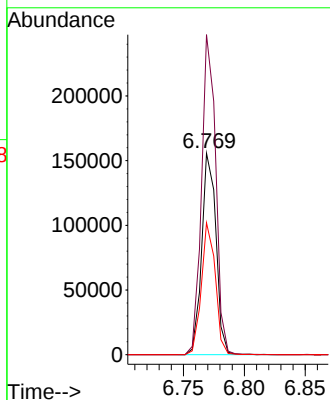
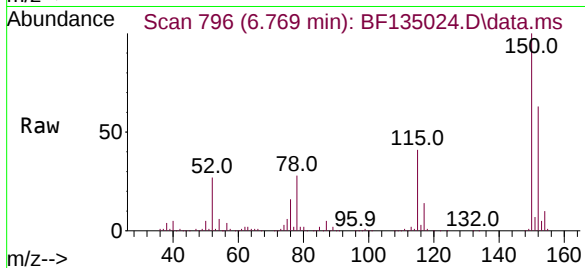




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

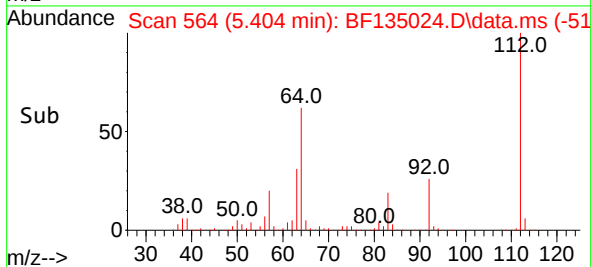
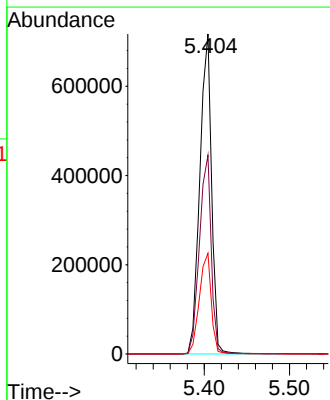
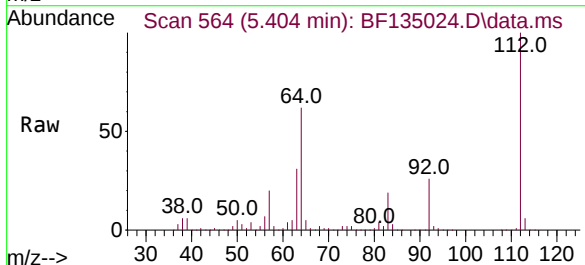
Instrument :
BNA_F
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OR-345-COMP-05

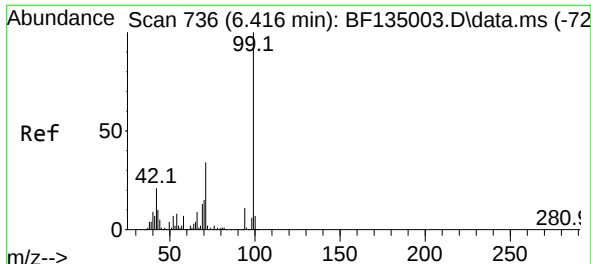
Tgt Ion:152 Resp: 127386
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.4
115 65.4 51.2 76.8



#5
2-Fluorophenol
Concen: 83.577 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

Tgt Ion:112 Resp: 689265
Ion Ratio Lower Upper
112 100
64 62.1 50.5 75.7
63 31.4 25.9 38.9

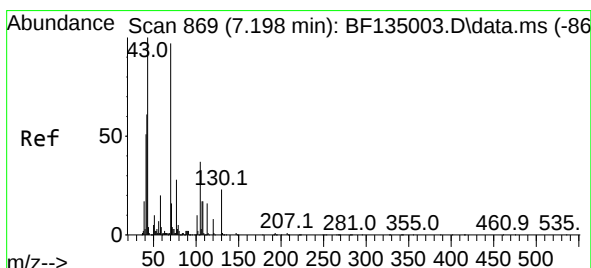
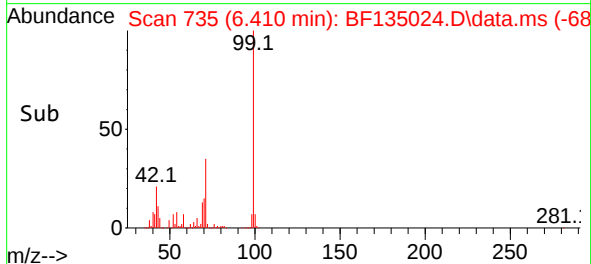
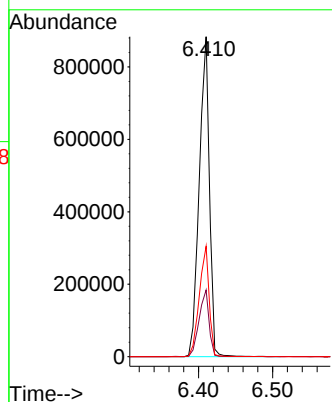
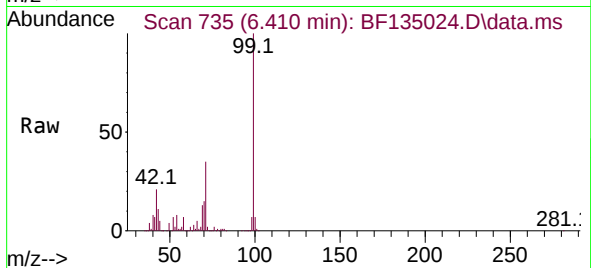




#7
Phenol-d6
Concen: 81.645 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

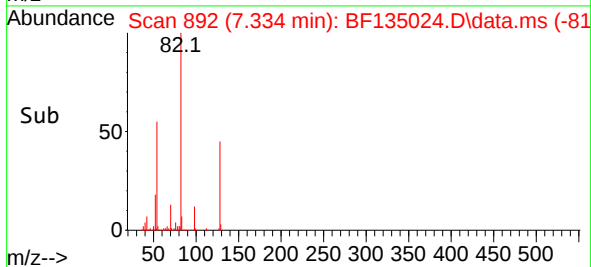
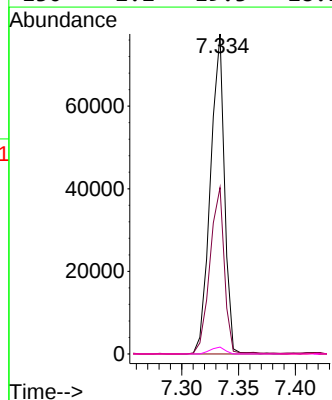
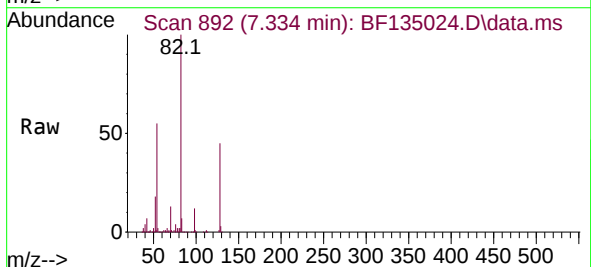
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-05

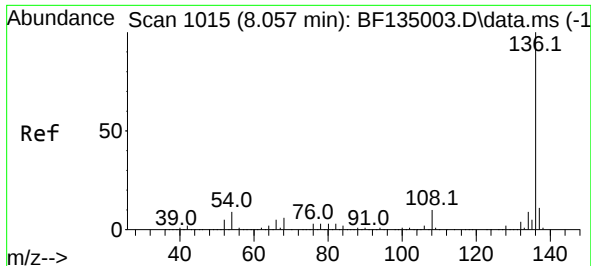
Tgt Ion: 99 Resp: 839266
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.870 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

Tgt Ion: 70 Resp: 66371
Ion Ratio Lower Upper
70 100
42 52.0 50.2 75.4
101 0.0 8.1 12.1#
130 2.2 19.3 28.9#

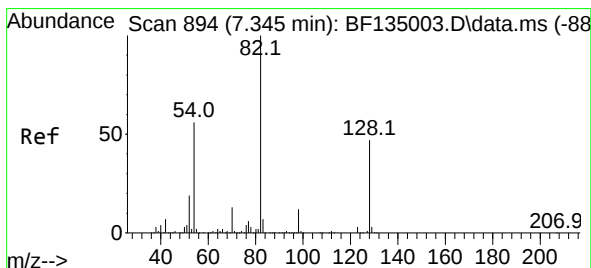
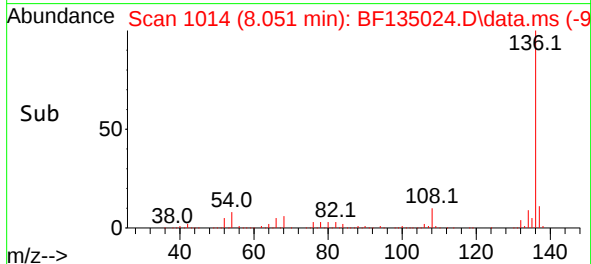
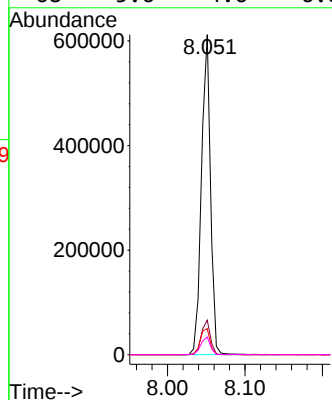
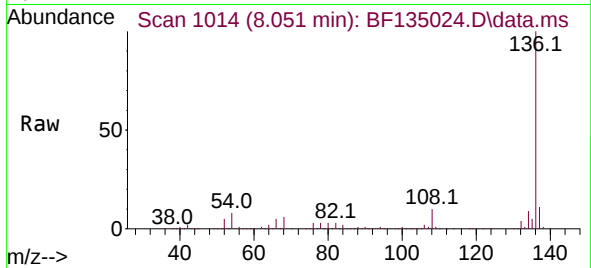




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

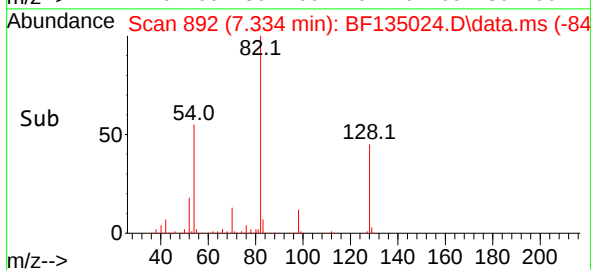
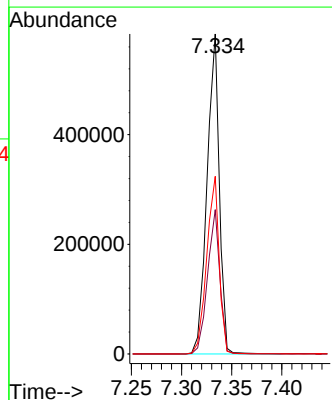
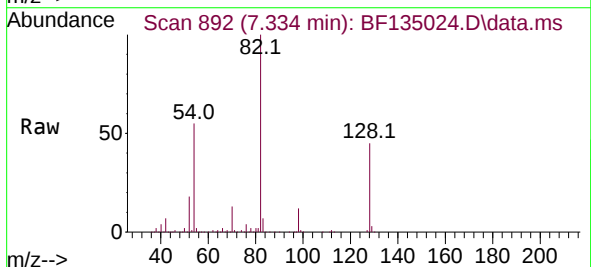
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-05

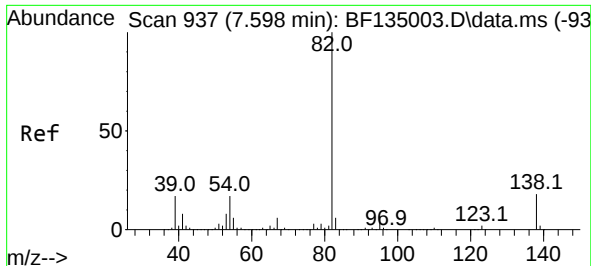
Tgt Ion:136 Resp: 496510
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.1 7.0 10.4
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 56.636 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

Tgt Ion: 82 Resp: 500530
Ion Ratio Lower Upper
82 100
128 45.1 37.8 56.8
54 55.5 45.0 67.6

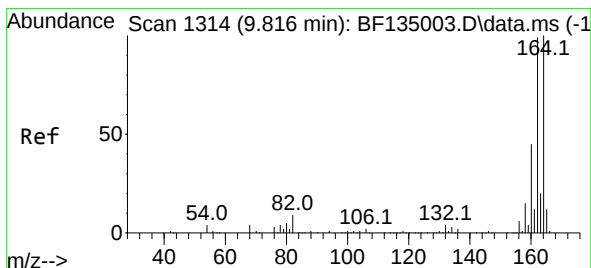
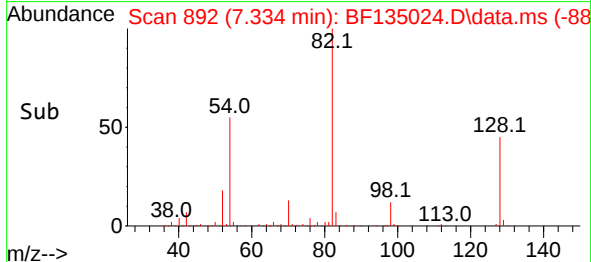
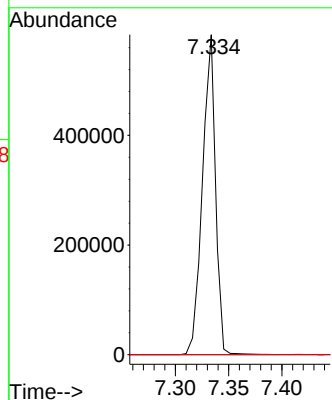
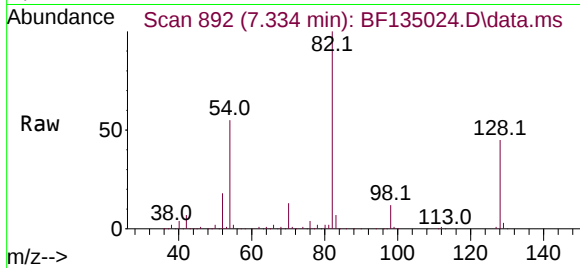




#25
Isophorone
Concen: 29.871 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

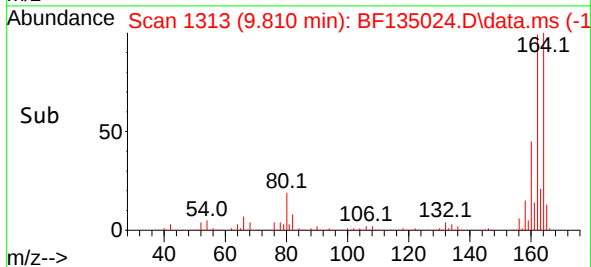
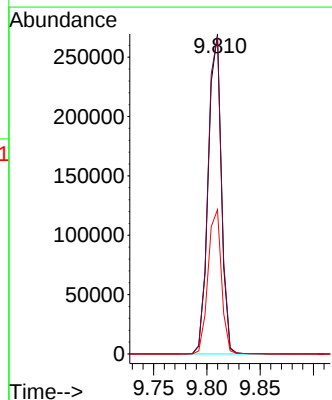
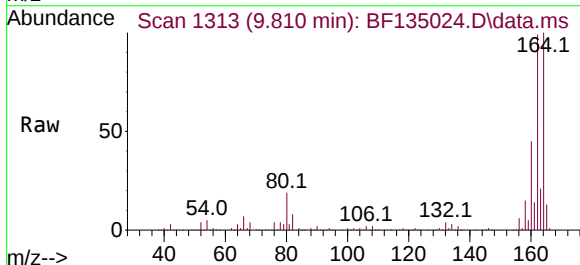
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-05

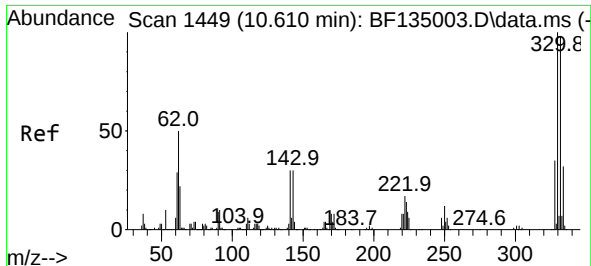
Tgt Ion: 82 Resp: 500519
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

Tgt Ion: 164 Resp: 230649
Ion Ratio Lower Upper
164 100
162 99.3 79.5 119.3
160 45.1 36.0 54.0



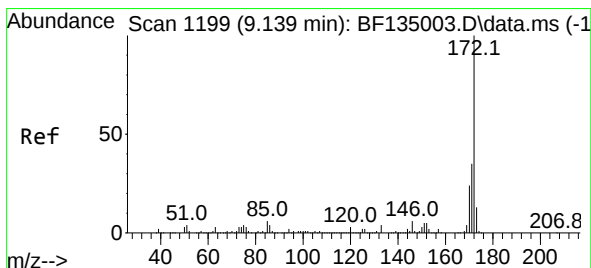
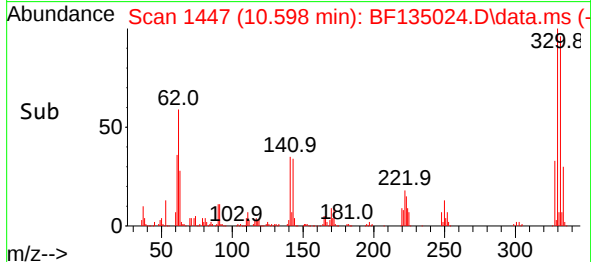
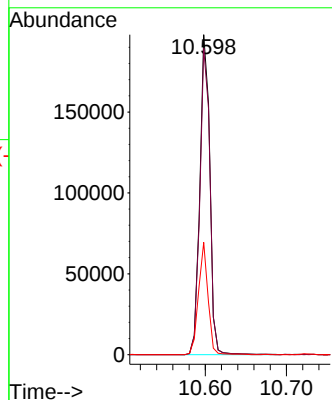
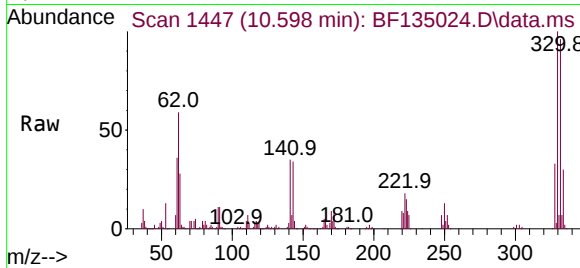


#42
 2,4,6-Tribromophenol
 Concen: 69.442 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF135024.D
 Acq: 31 Aug 2023 01:53

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-05

Tgt Ion:330 Resp: 169903

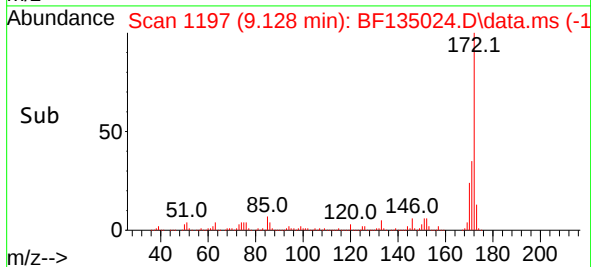
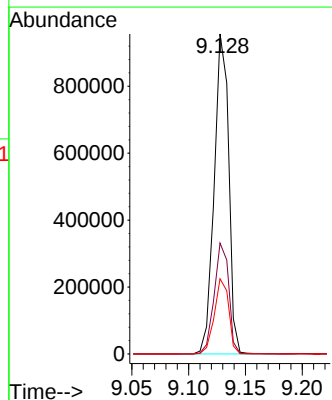
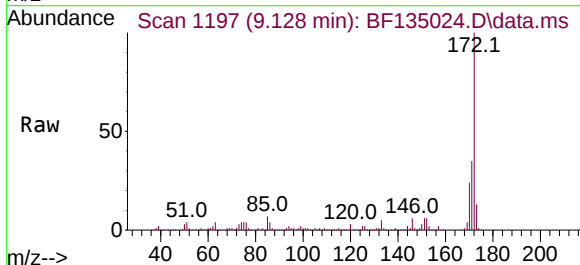
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	33.5	26.3	39.5

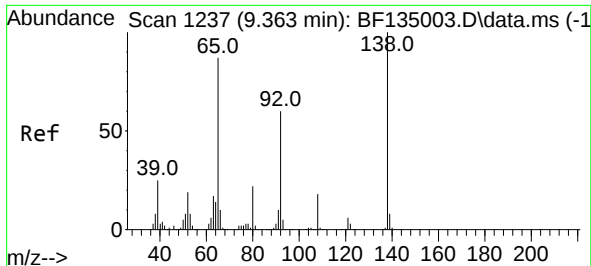


#45
 2-Fluorobiphenyl
 Concen: 60.066 ng
 RT: 9.128 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF135024.D
 Acq: 31 Aug 2023 01:53

Tgt Ion:172 Resp: 850943

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	23.5	19.0	28.4

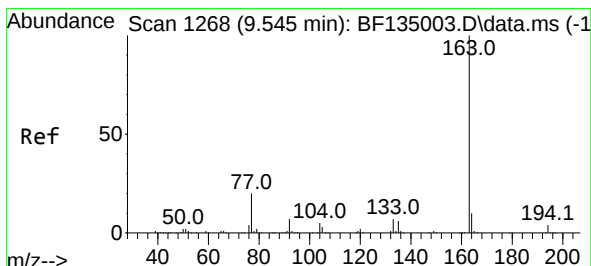
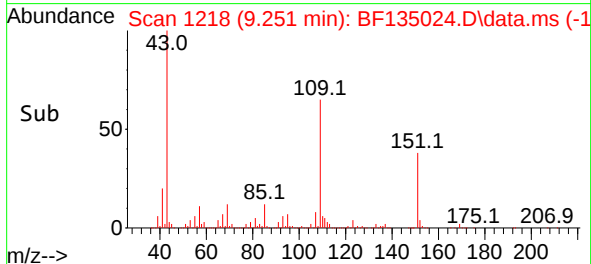
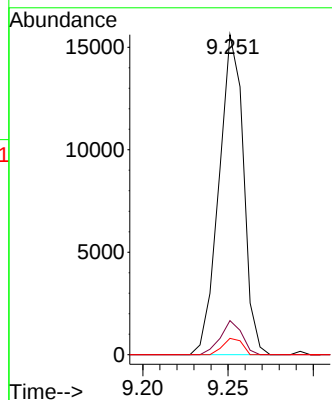
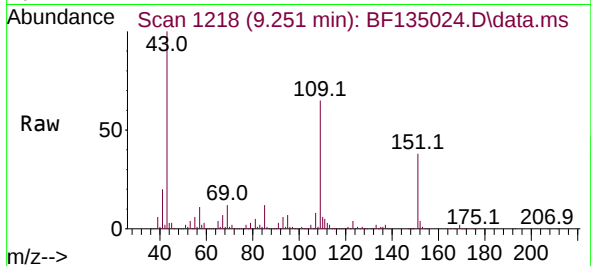




#48
2-Nitroaniline
Concen: 3.433 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

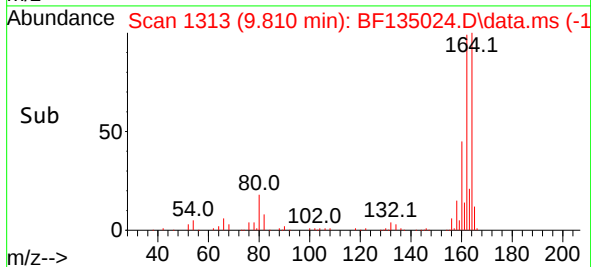
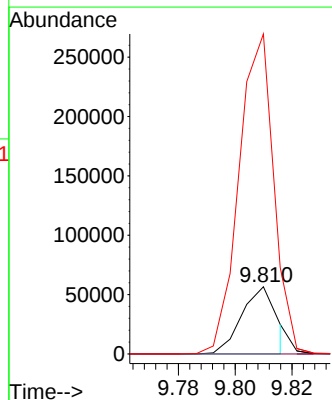
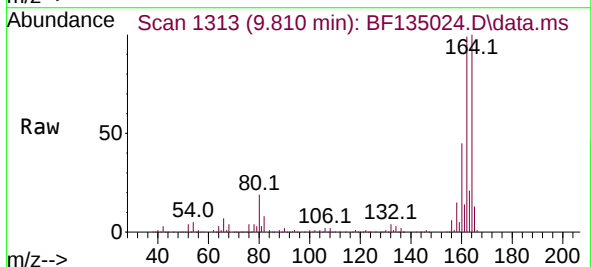
Instrument :
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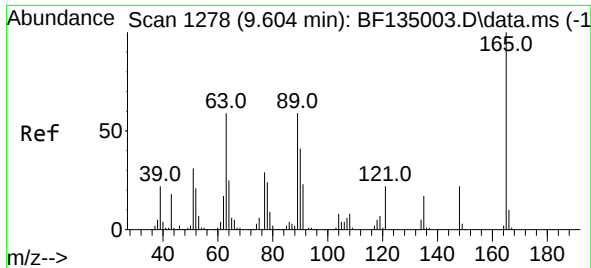
Tgt Ion: 65 Resp: 15573
Ion Ratio Lower Upper
65 100
92 10.6 54.9 82.3#
138 5.1 91.6 137.4#



#50
Dimethylphthalate
Concen: 2.988 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

Tgt Ion:163 Resp: 48260
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 476.5 8.1 12.1#

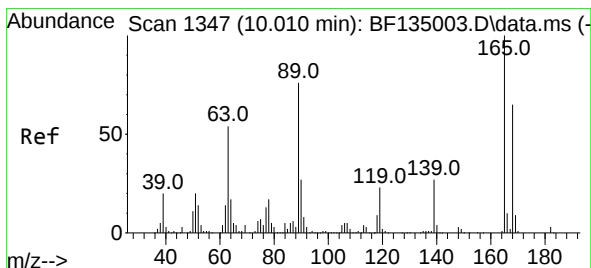
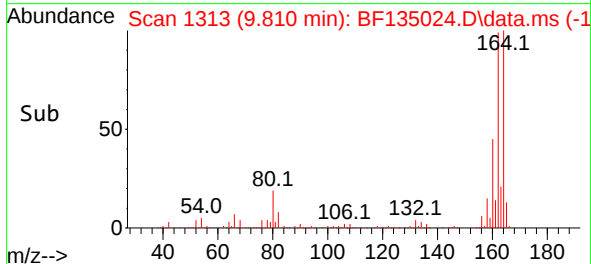
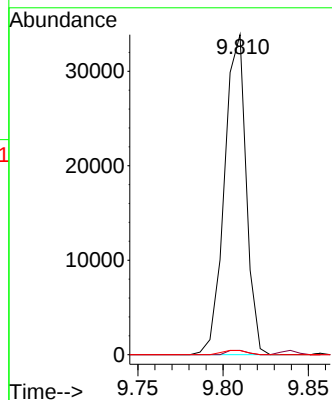
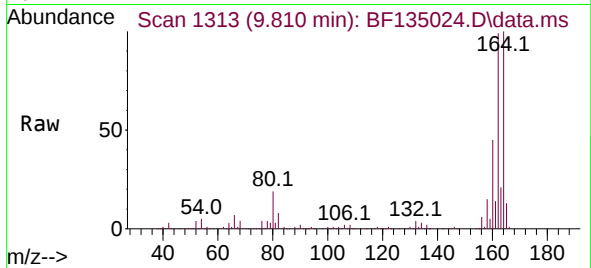




#51
2,6-Dinitrotoluene
Concen: 8.491 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

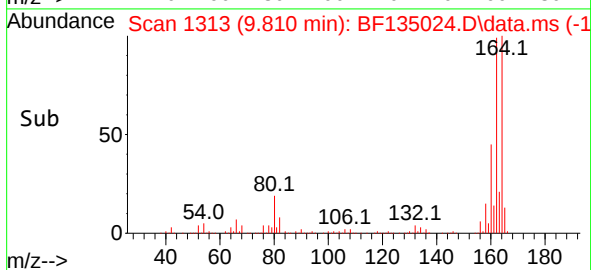
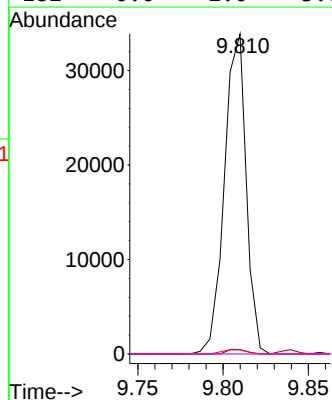
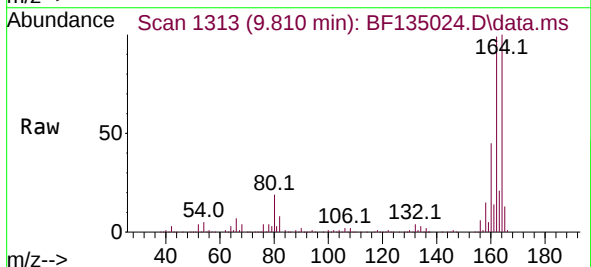
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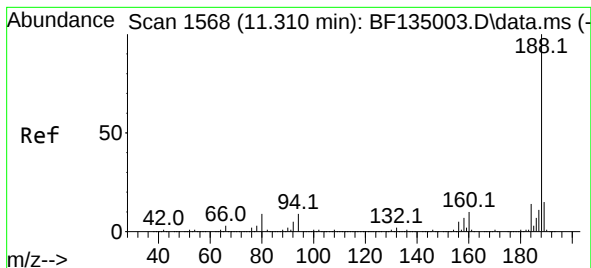
Tgt Ion:165 Resp: 30090
Ion Ratio Lower Upper
165 100
63 1.3 50.4 75.6#
89 1.3 47.1 70.7#



#57
2,4-Dinitrotoluene
Concen: 6.813 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.200 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

Tgt Ion:165 Resp: 30090
Ion Ratio Lower Upper
165 100
63 1.3 43.2 64.8#
89 1.3 60.8 91.2#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-05

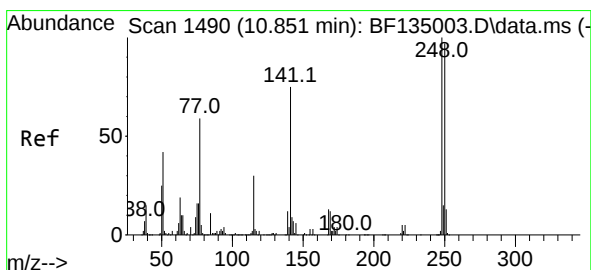
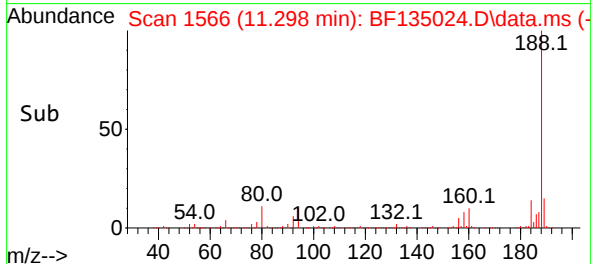
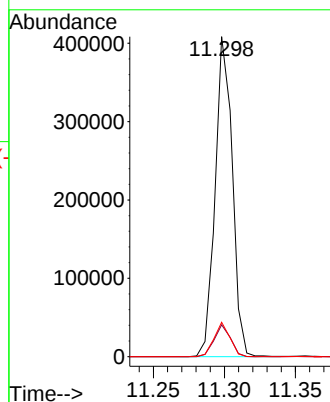
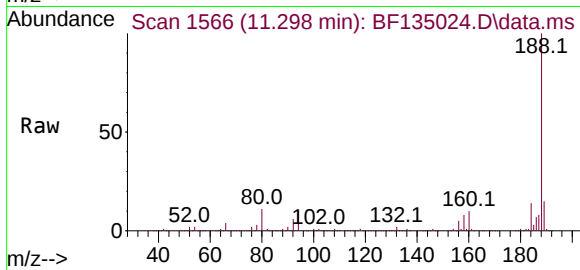
Tgt Ion:188 Resp: 342203

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.4

80 10.8 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 2.966 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

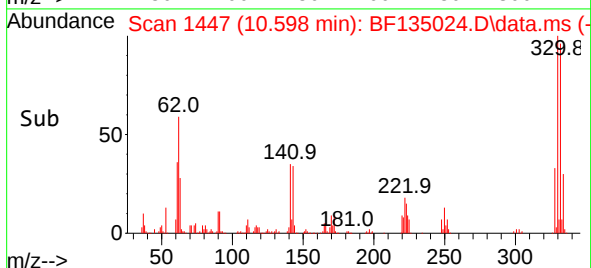
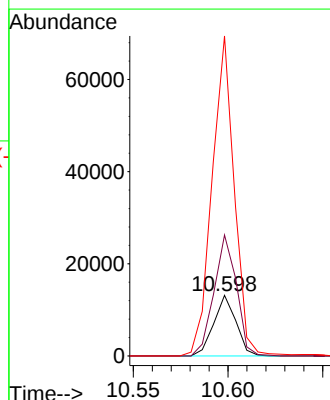
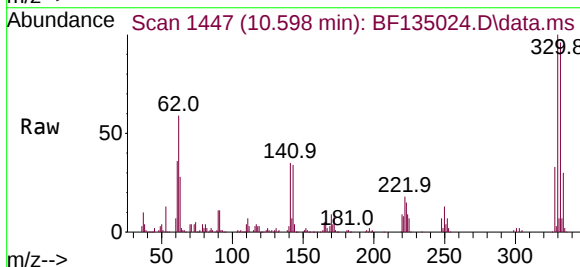
Tgt Ion:248 Resp: 10766

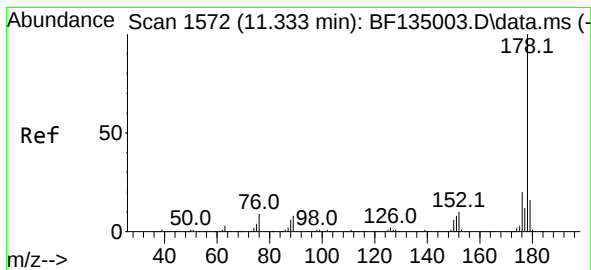
Ion Ratio Lower Upper

248 100

250 199.6 77.9 116.9#

141 528.2 59.8 89.8#





#71

Phenanthrene

Concen: 4.511 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-05

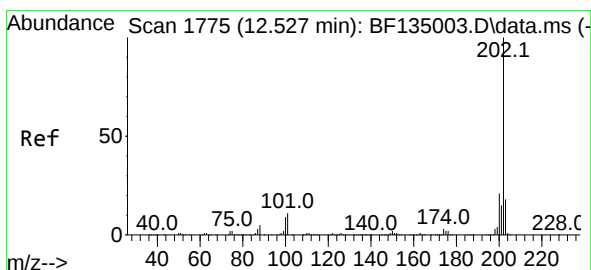
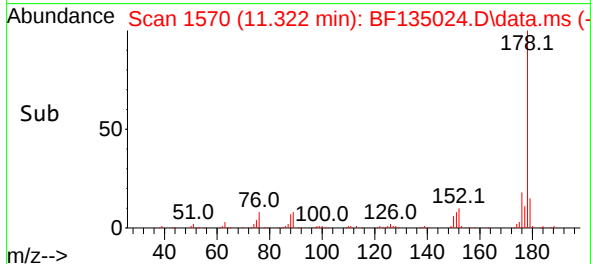
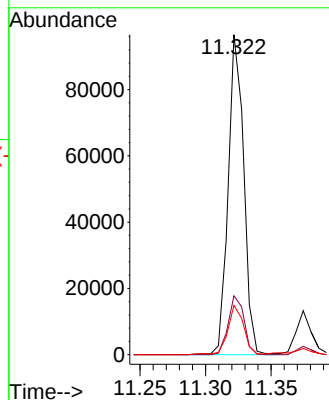
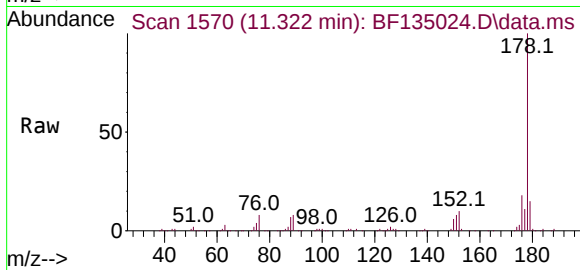
Tgt Ion:178 Resp: 79639

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

179 15.4 12.5 18.7



#75

Fluoranthene

Concen: 6.157 ng

RT: 12.516 min Scan# 1773

Delta R.T. -0.012 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

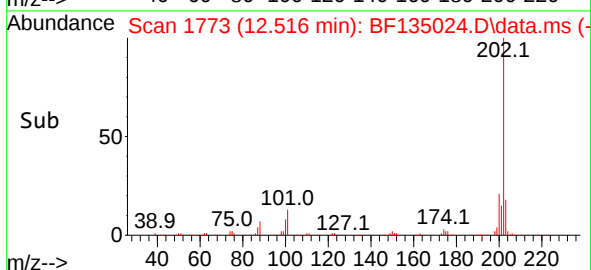
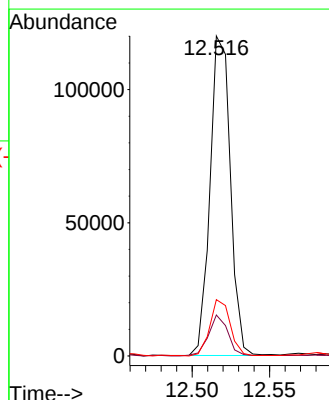
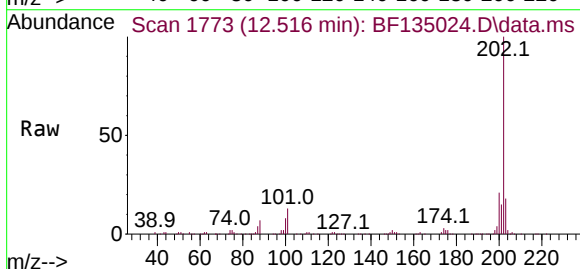
Tgt Ion:202 Resp: 109900

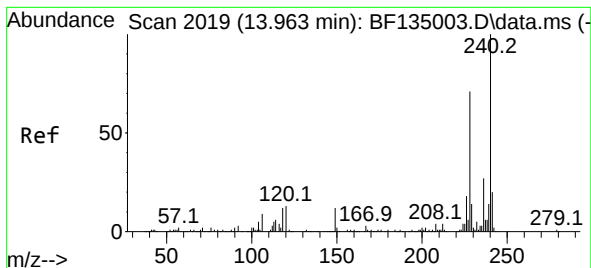
Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.5

203 17.6 0.0 37.8

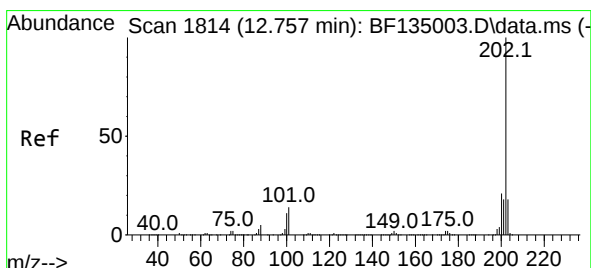
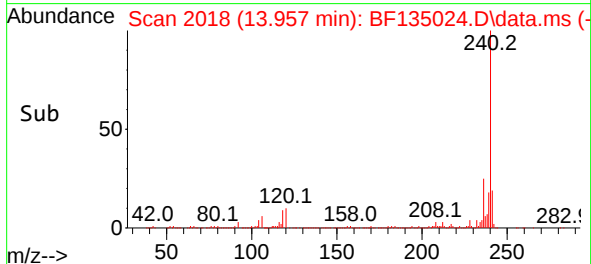
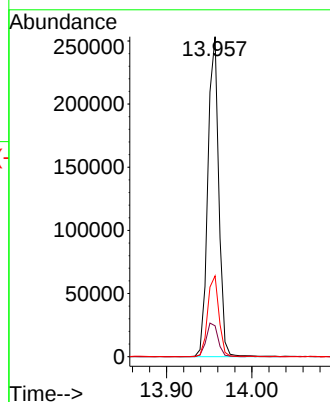
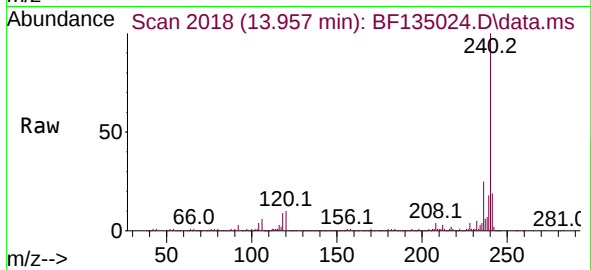




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

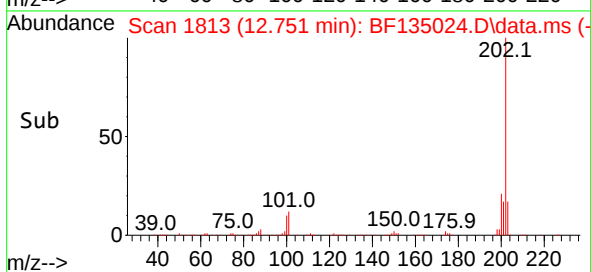
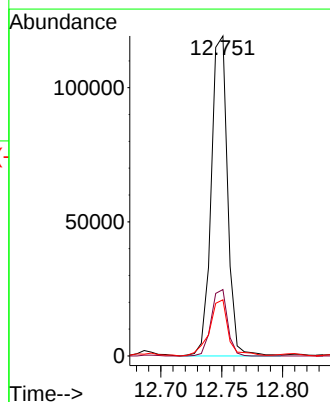
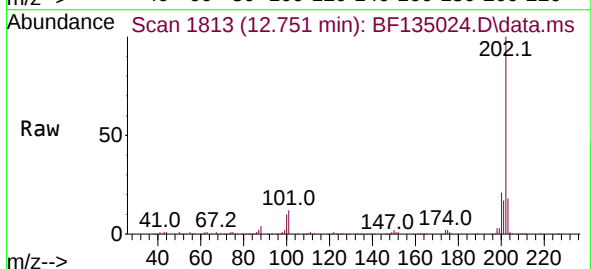
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-05

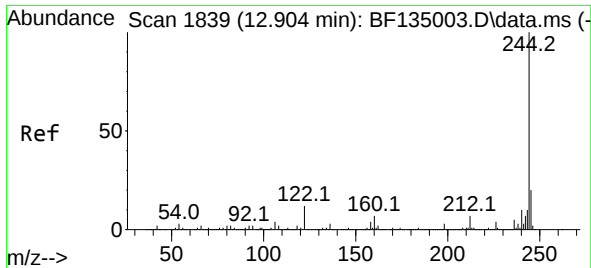
Tgt Ion:240 Resp: 224986
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.2#
236 25.2 21.3 31.9



#78
Pyrene
Concen: 5.212 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135024.D
Acq: 31 Aug 2023 01:53

Tgt Ion:202 Resp: 111333
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.6 14.2 21.2

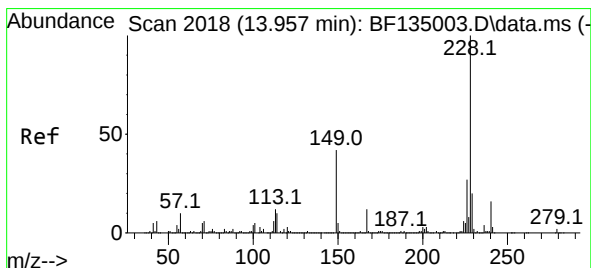
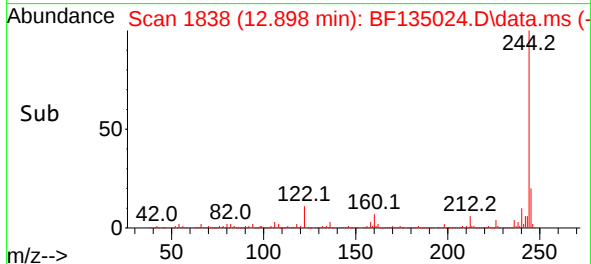
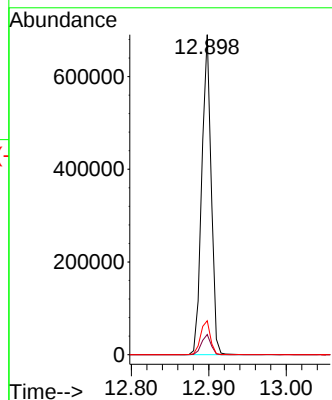
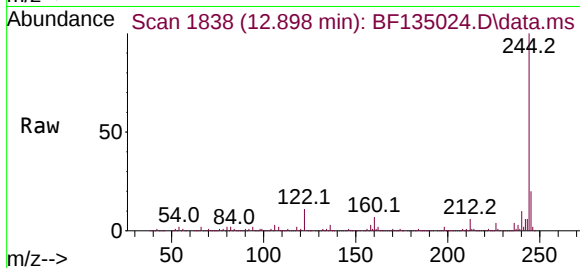




#79
 Terphenyl-d14
 Concen: 42.040 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135024.D
 Acq: 31 Aug 2023 01:53

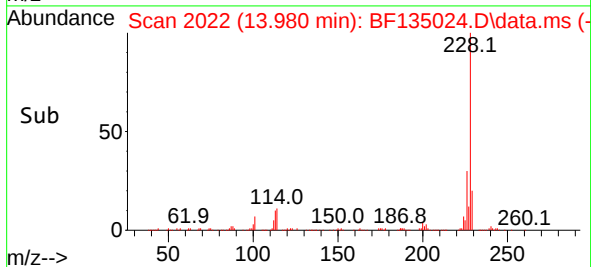
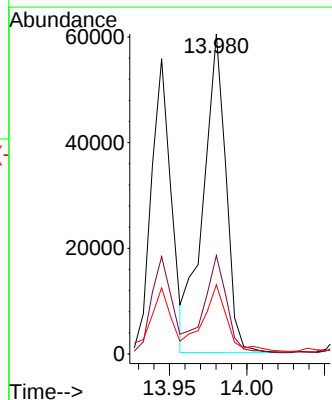
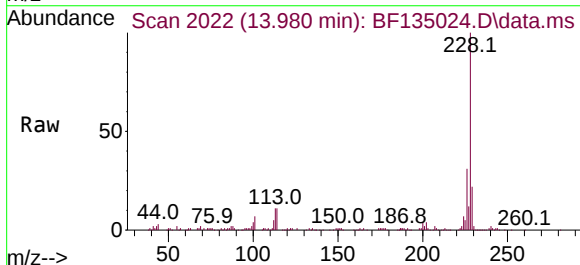
Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-05

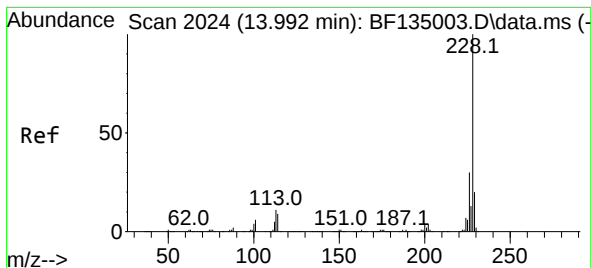
Tgt Ion:244 Resp: 579589
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.6 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 4.009 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.024 min
 Lab File: BF135024.D
 Acq: 31 Aug 2023 01:53

Tgt Ion:228 Resp: 61534
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.6 32.4
 229 21.7 15.6 23.4





#83

Chrysene

Concen: 4.080 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-05

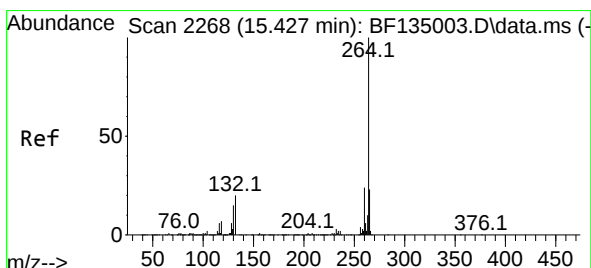
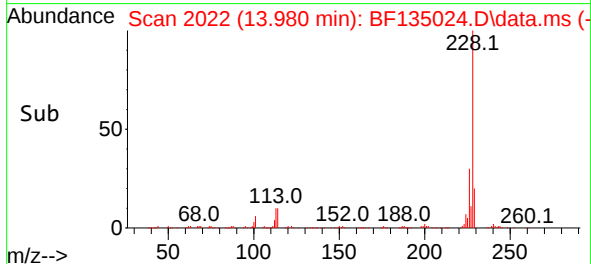
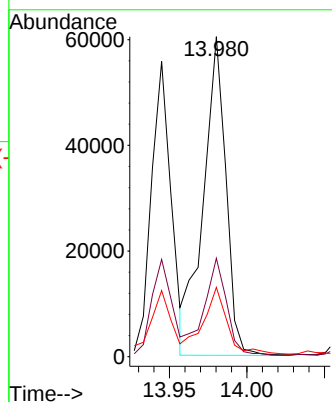
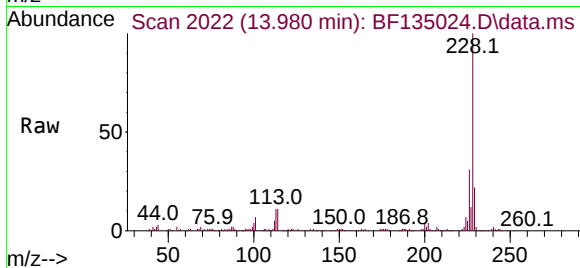
Tgt Ion:228 Resp: 61534

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 21.7 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

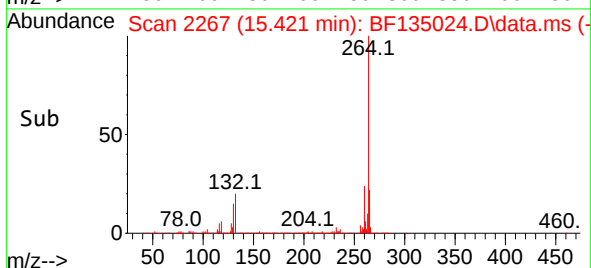
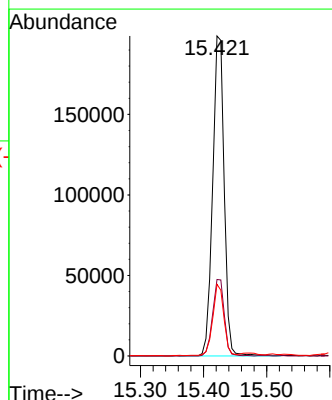
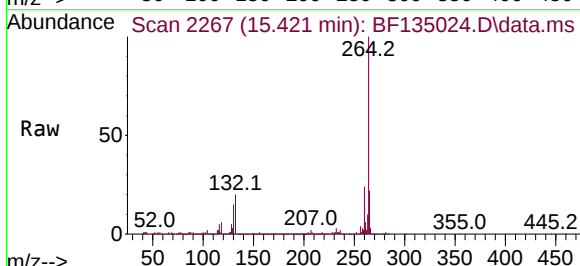
Tgt Ion:264 Resp: 251366

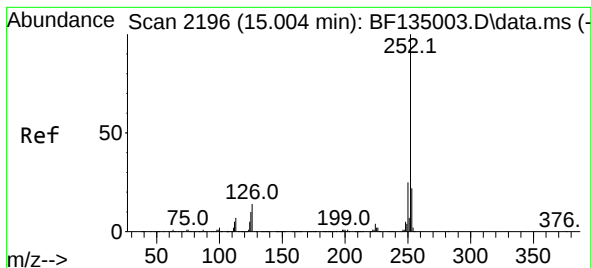
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 22.4 18.2 27.2





#88

Benzo(b)fluoranthene

Concen: 6.357 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-05

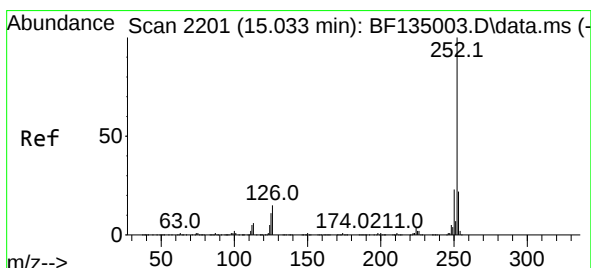
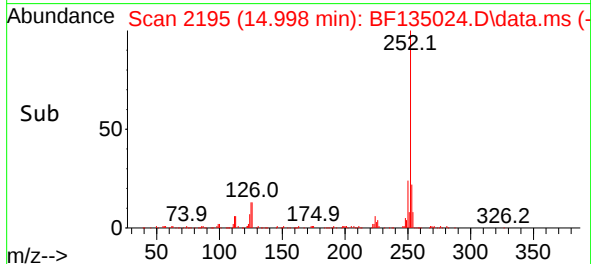
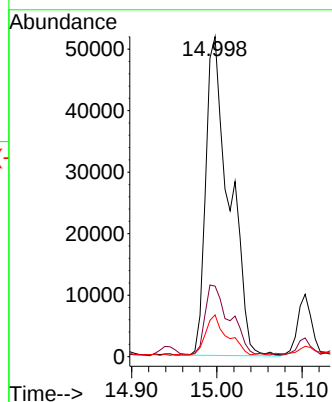
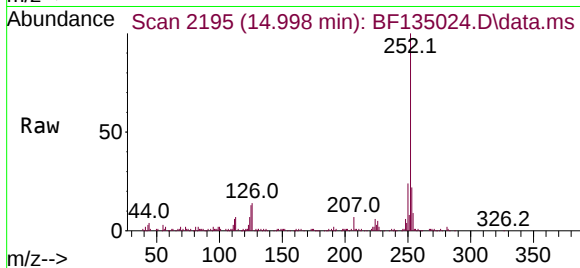
Tgt Ion:252 Resp: 99420

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 13.0 8.4 12.6#



#89

Benzo(k)fluoranthene

Concen: 6.580 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF135024.D

Acq: 31 Aug 2023 01:53

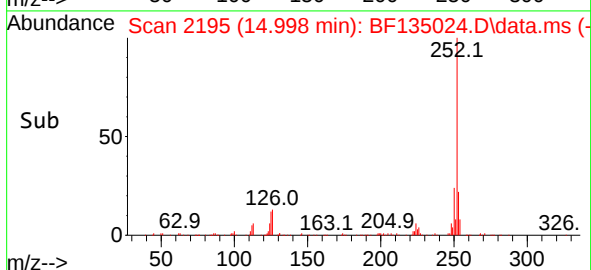
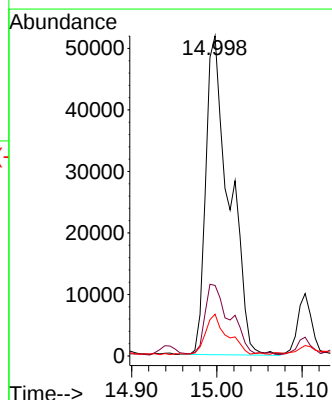
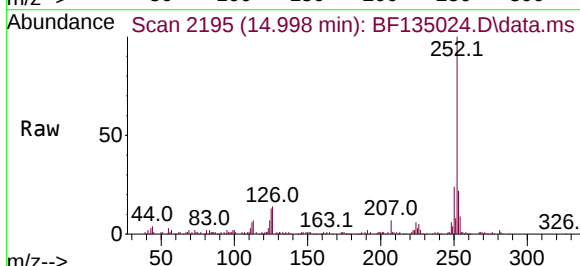
Tgt Ion:252 Resp: 99420

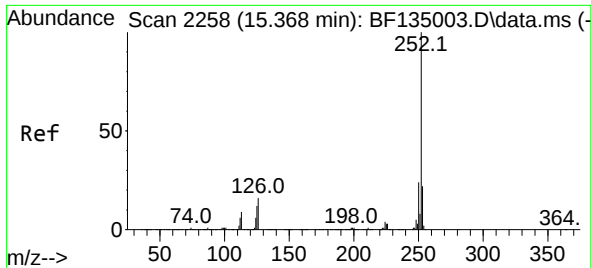
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

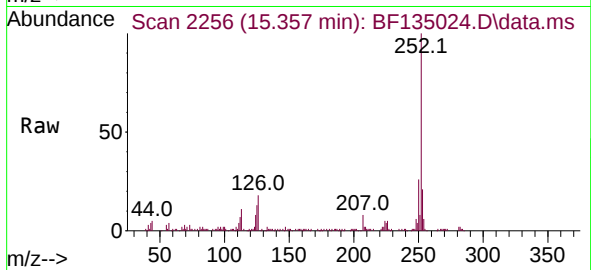
125 13.0 8.5 12.7#





#90
 Benzo(a)pyrene
 Concen: 3.386 ng
 RT: 15.357 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF135024.D
 Acq: 31 Aug 2023 01:53

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-05



Tgt Ion:	252	Resp:	49194
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.4	26.0
125	13.2	9.5	14.3

