

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135021.D
 Acq On : 31 Aug 2023 00:16
 Operator : CG\JU
 Sample : 04196-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-02

Quant Time: Aug 31 05:59:14 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)

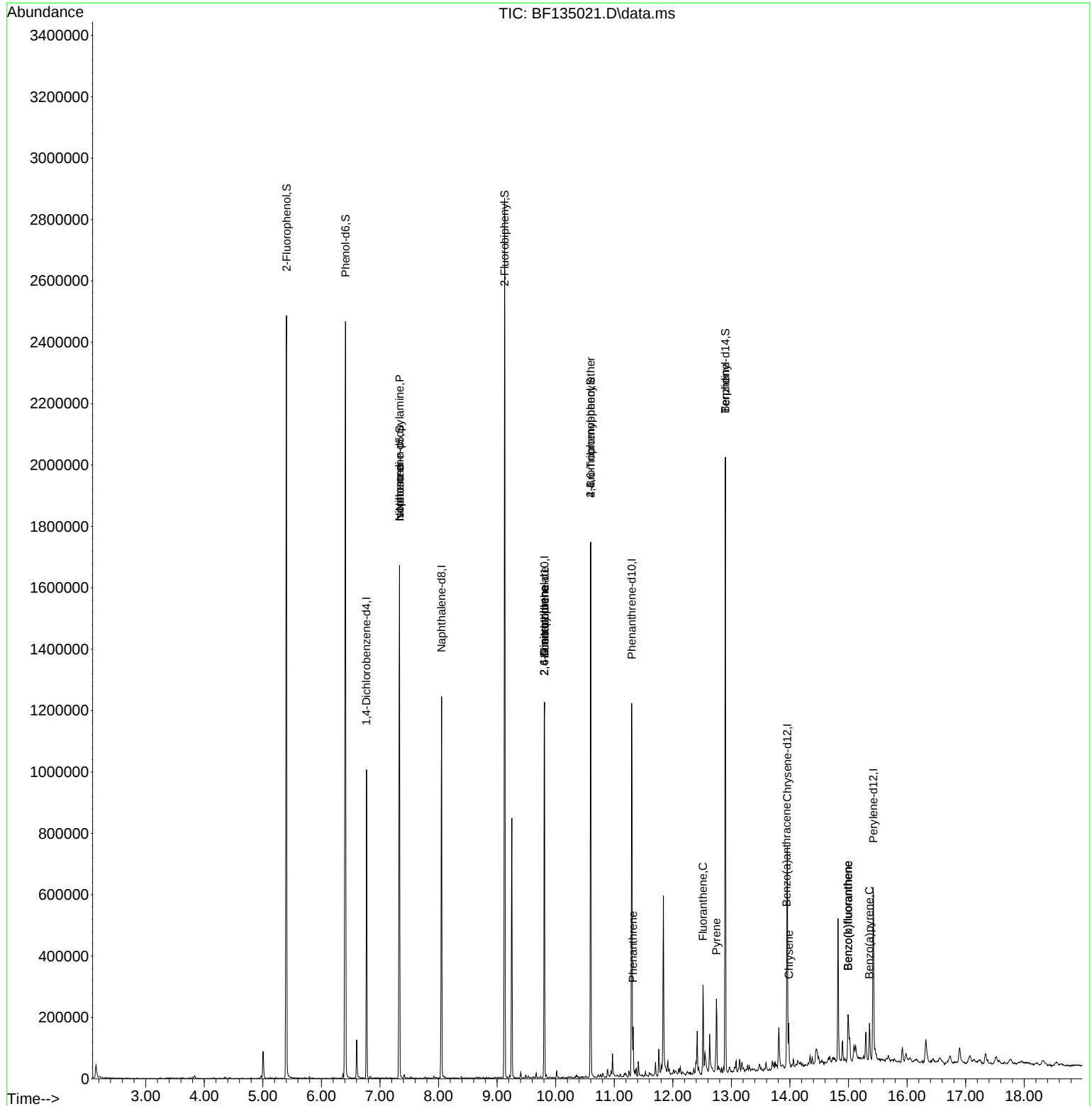
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	128435	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	523728	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	253692	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	413593	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	227103	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	256098	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	702646	84.503	ng	0.00
7) Phenol-d6	6.410	99	854772	82.474	ng	0.00
23) Nitrobenzene-d5	7.334	82	518266	55.595	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	185069	68.770	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	859763	55.177	ng	-0.01
79) Terphenyl-d14	12.898	244	651176	46.792	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	68984	11.206	ng	# 78
25) Isophorone	7.334	82	518260	29.322	ng	# 65
50) Dimethylphthalate	9.810	163	53786	3.028	ng	# 1
51) 2,6-Dinitrotoluene	9.804	165	32907	8.442	ng	# 21
57) 2,4-Dinitrotoluene	9.804	165	32907	6.774	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	11507	2.623	ng	# 1
71) Phenanthrene	11.322	178	50101	2.348	ng	97
75) Fluoranthene	12.516	202	107947	5.004	ng	99
77) Benzidine	12.898	184	8440	2.062	ng	# 92
78) Pyrene	12.745	202	93934	4.356	ng	99
81) Benzo(a)anthracene	13.945	228	49024	3.165	ng	96
83) Chrysene	13.980	228	55362	3.636	ng	98
88) Benzo(b)fluoranthene	14.992	252	107220	6.729	ng	99
89) Benzo(k)fluoranthene	14.992	252	107220	6.965	ng	98
90) Benzo(a)pyrene	15.357	252	53672	3.626	ng	97

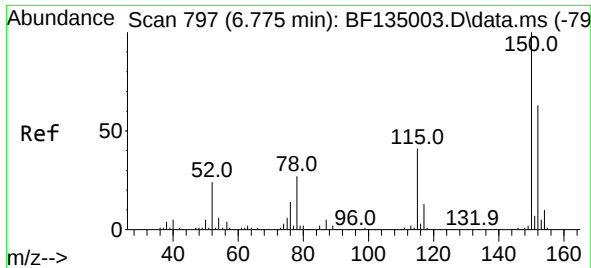
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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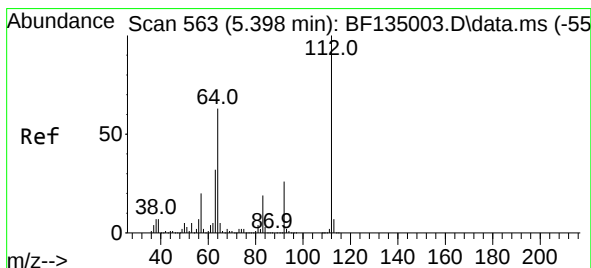
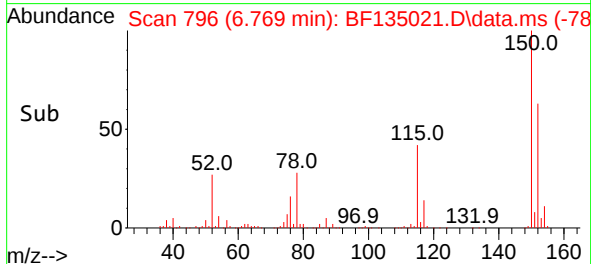
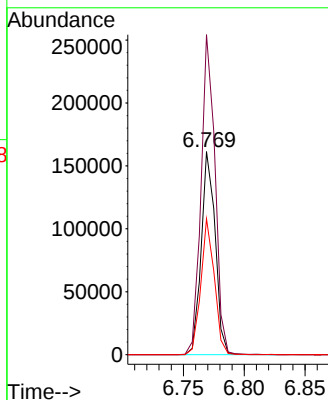
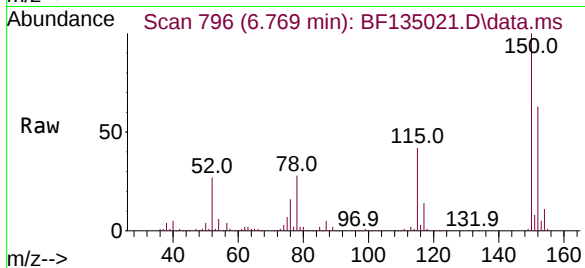




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

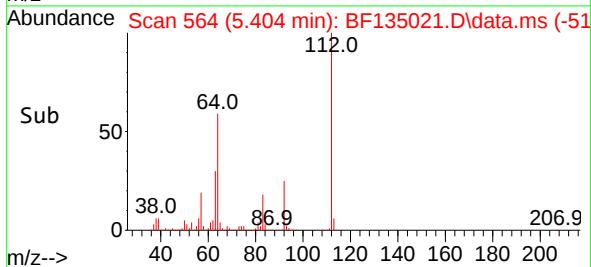
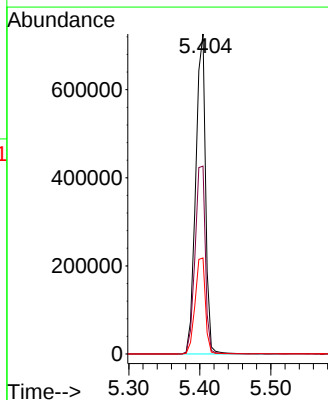
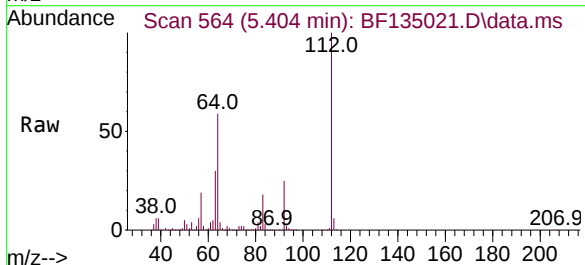
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

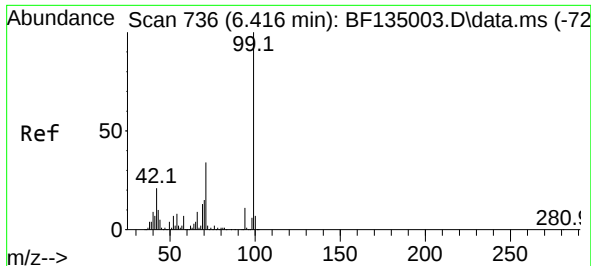
Tgt Ion:152 Resp: 128435
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.4
115 66.9 51.2 76.8



#5
2-Fluorophenol
Concen: 84.503 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion:112 Resp: 702646
Ion Ratio Lower Upper
112 100
64 58.7 50.5 75.7
63 30.0 25.9 38.9

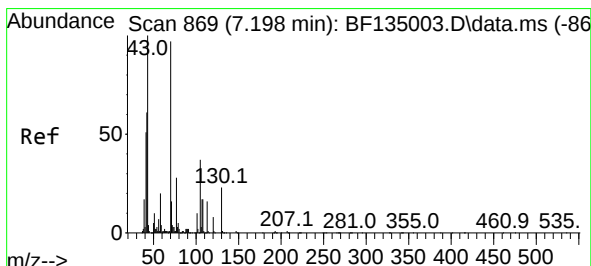
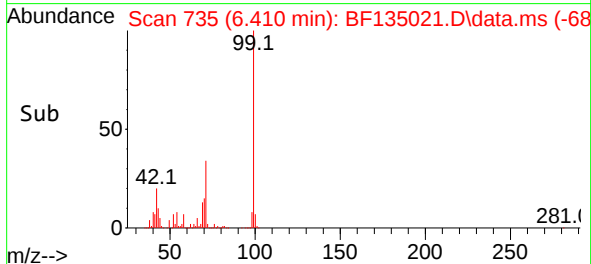
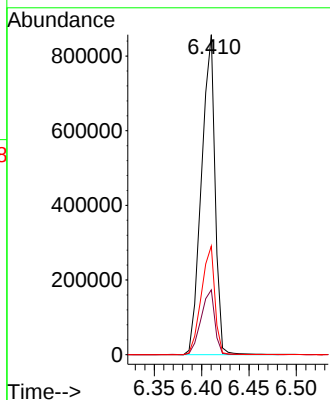
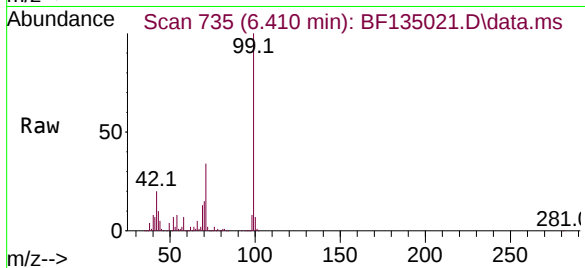




#7
Phenol-d6
Concen: 82.474 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

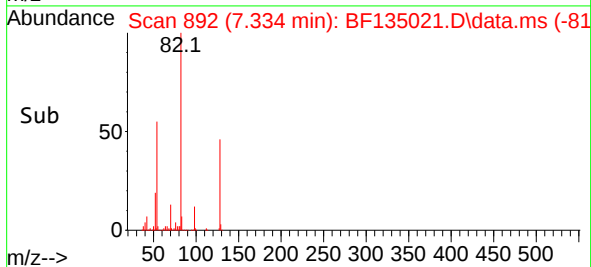
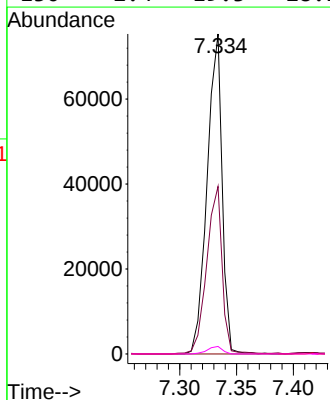
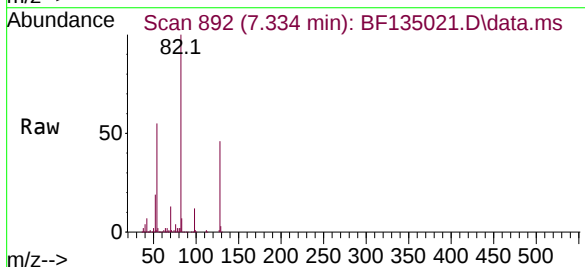
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

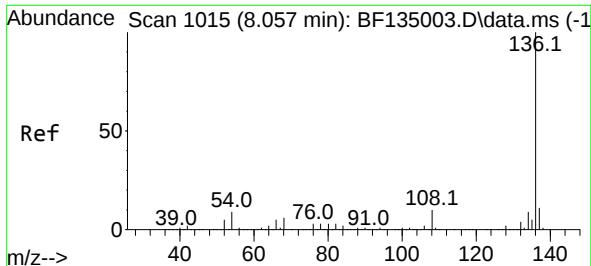
Tgt Ion: 99 Resp: 854772
Ion Ratio Lower Upper
99 100
42 20.2 16.6 25.0
71 33.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.206 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion: 70 Resp: 68984
Ion Ratio Lower Upper
70 100
42 52.4 50.2 75.4
101 0.0 8.1 12.1#
130 2.4 19.3 28.9#

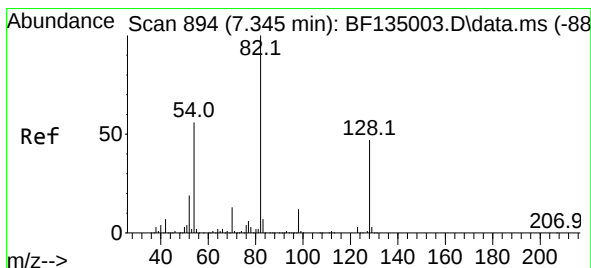
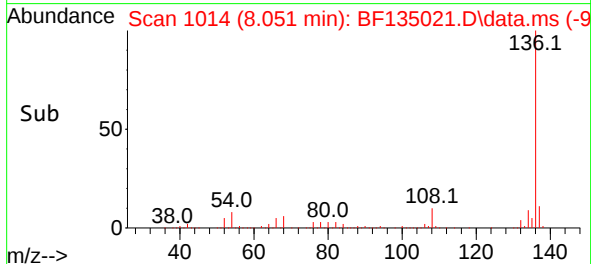
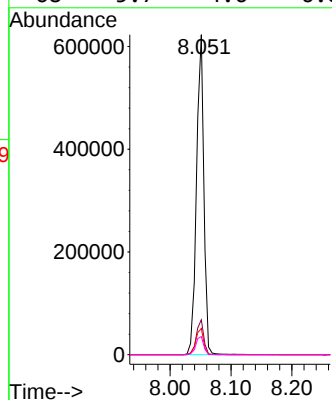
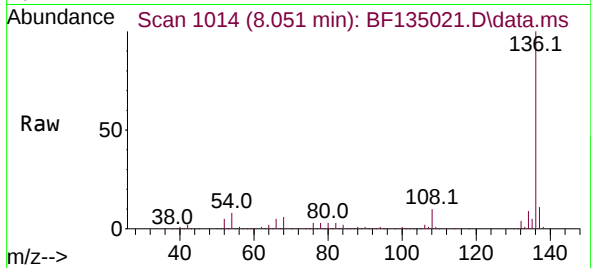




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

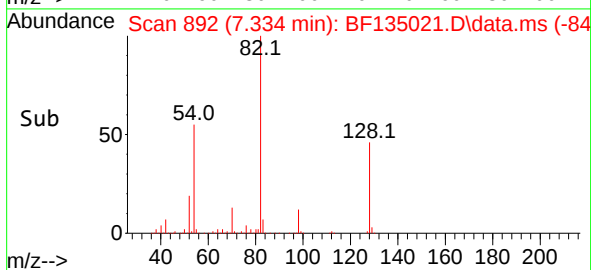
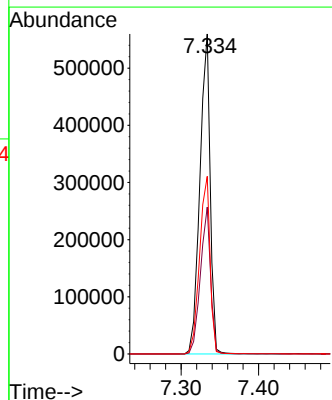
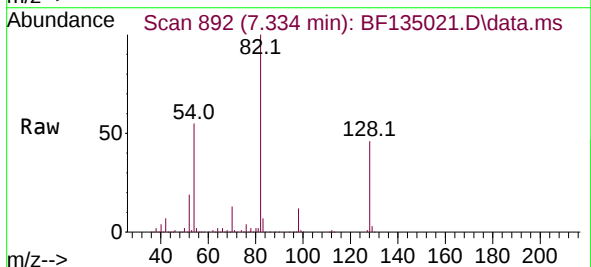
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

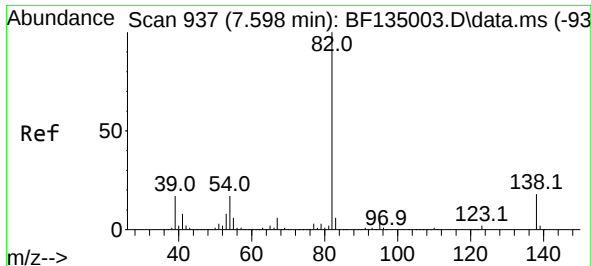
Tgt Ion:136 Resp: 523728
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.2 7.0 10.4
68 5.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 55.595 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion: 82 Resp: 518266
Ion Ratio Lower Upper
82 100
128 45.9 37.8 56.8
54 55.5 45.0 67.6

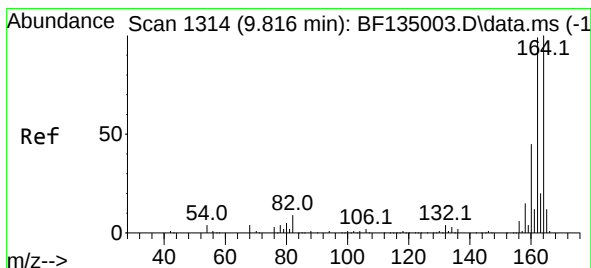
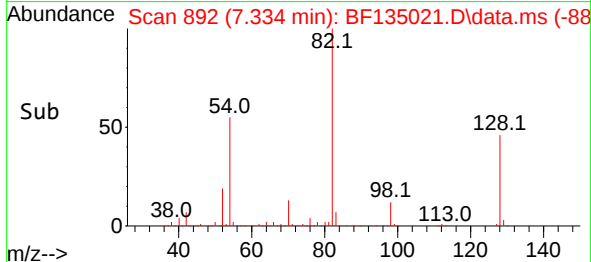
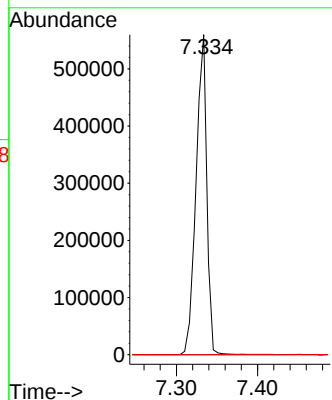
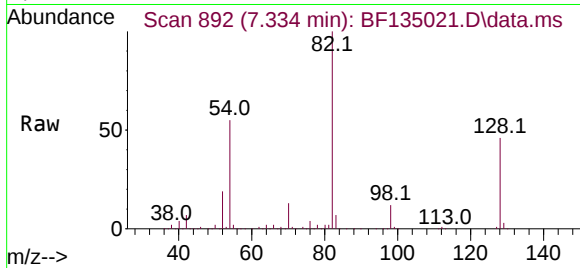




#25
Isophorone
Concen: 29.322 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

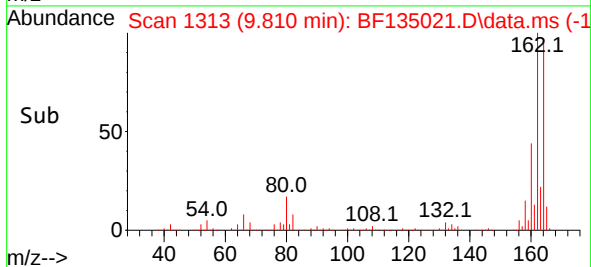
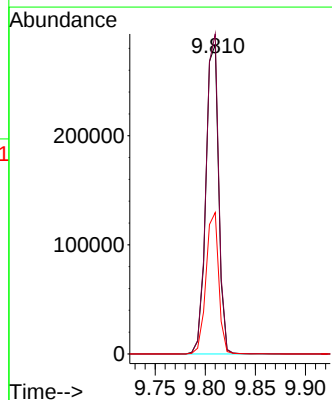
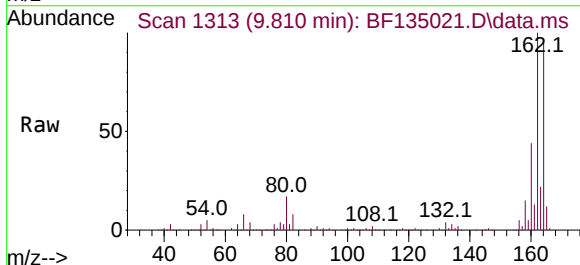
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

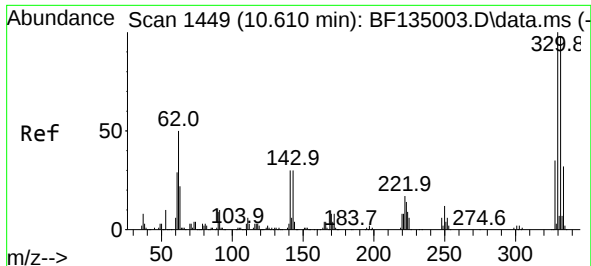
Tgt Ion: 82 Resp: 518260
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion:164 Resp: 253692
Ion Ratio Lower Upper
164 100
162 103.4 79.5 119.3
160 45.7 36.0 54.0



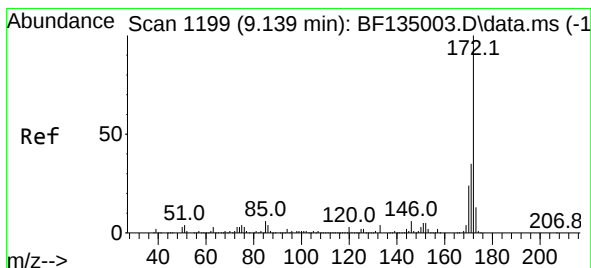
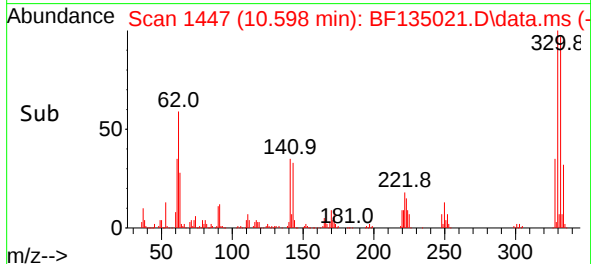
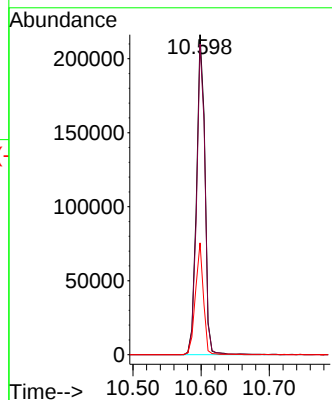
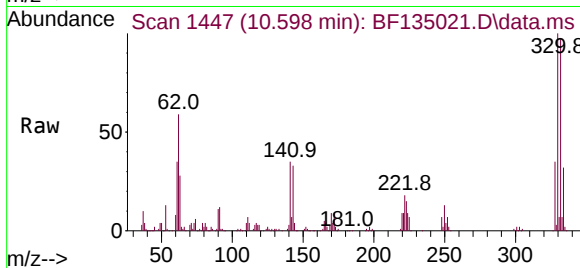


#42
 2,4,6-Tribromophenol
 Concen: 68.770 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF135021.D
 Acq: 31 Aug 2023 00:16

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-02

Tgt Ion:330 Resp: 185069

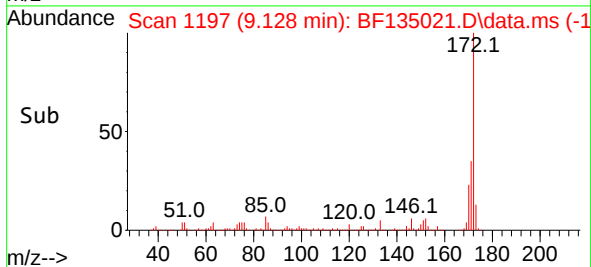
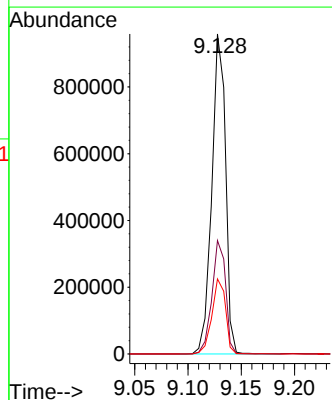
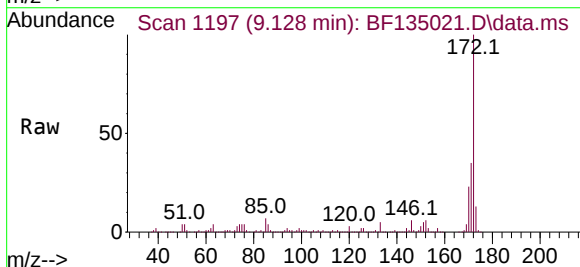
Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.6	116.4
141	33.3	26.3	39.5

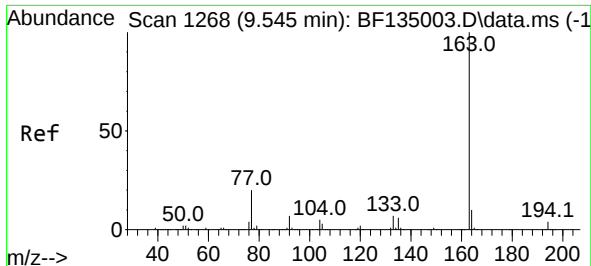


#45
 2-Fluorobiphenyl
 Concen: 55.177 ng
 RT: 9.128 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF135021.D
 Acq: 31 Aug 2023 00:16

Tgt Ion:172 Resp: 859763

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.5	19.0	28.4

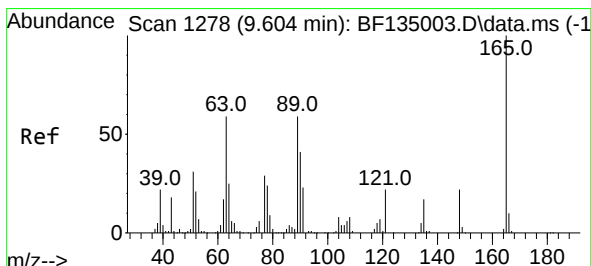
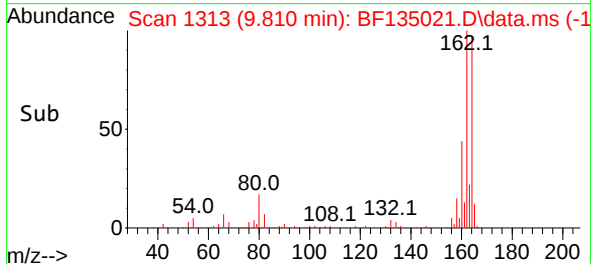
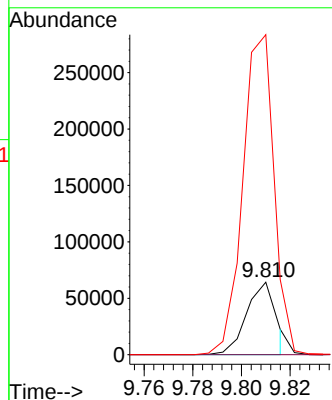
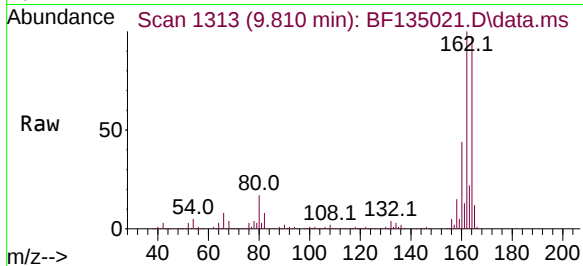




#50
Dimethylphthalate
Concen: 3.028 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

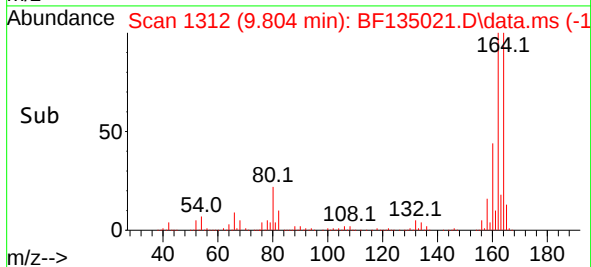
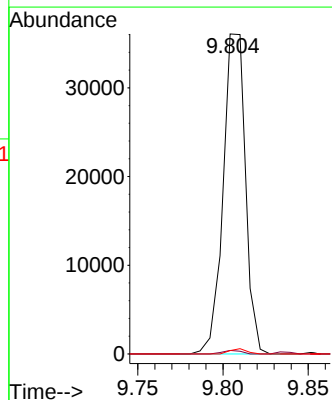
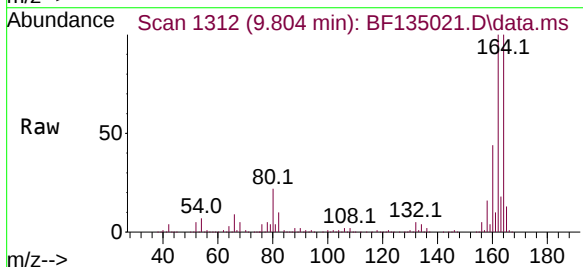
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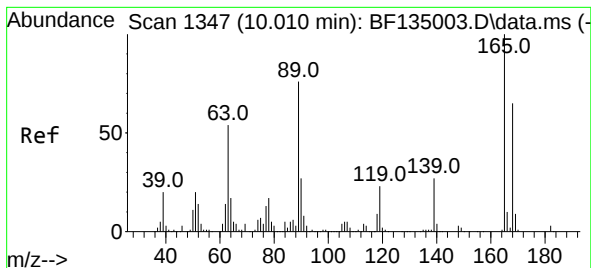
Tgt Ion:163 Resp: 53786
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 441.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.442 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.200 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

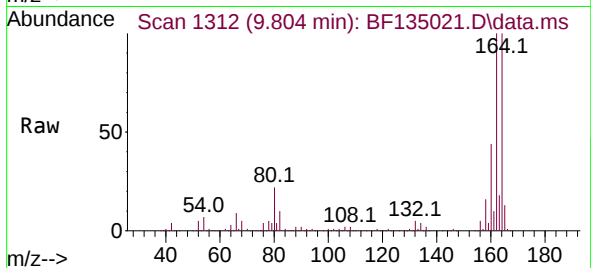
Tgt Ion:165 Resp: 32907
Ion Ratio Lower Upper
165 100
63 1.1 50.4 75.6#
89 1.0 47.1 70.7#



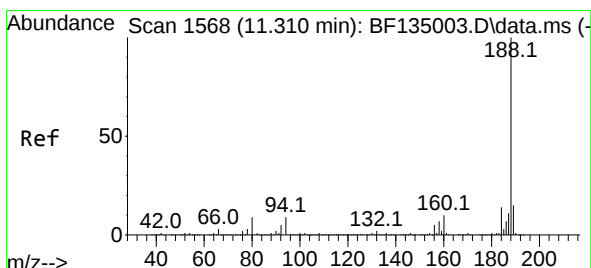
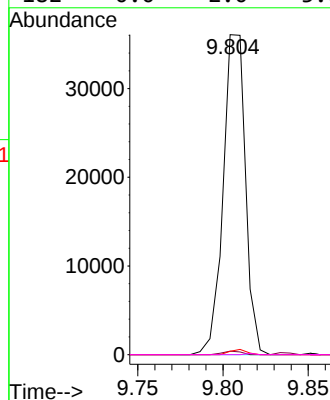
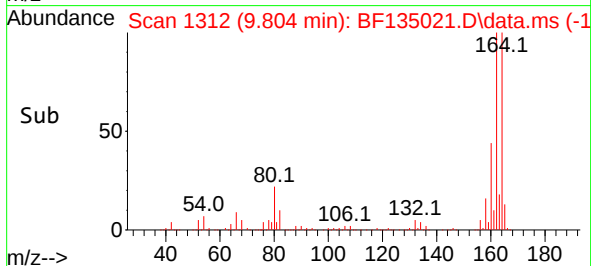


#57
2,4-Dinitrotoluene
Concen: 6.774 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

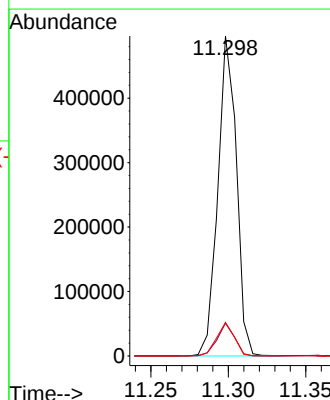
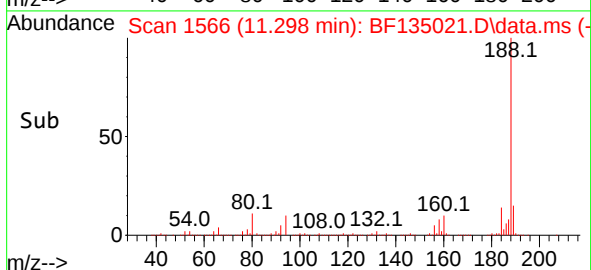
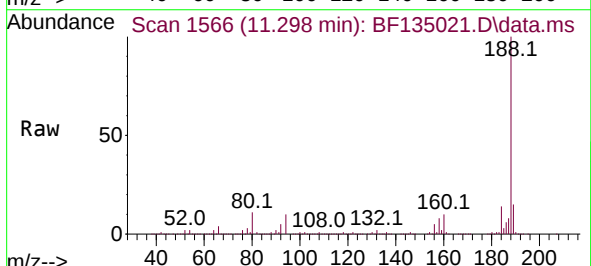


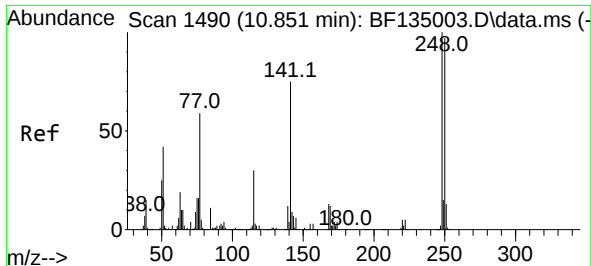
Tgt Ion:165 Resp: 32907
Ion Ratio Lower Upper
165 100
63 1.1 43.2 64.8#
89 1.0 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion:188 Resp: 413593
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.4
80 10.5 7.4 11.2

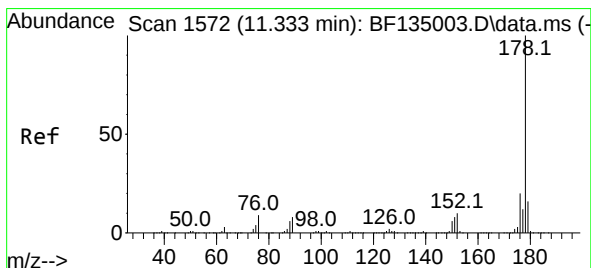
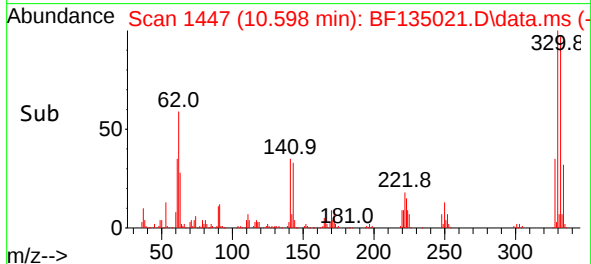
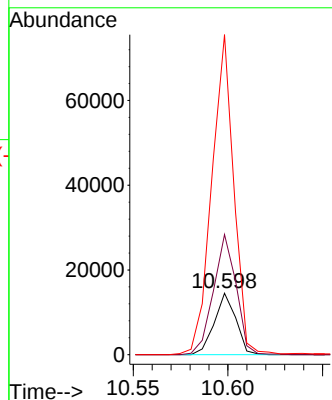
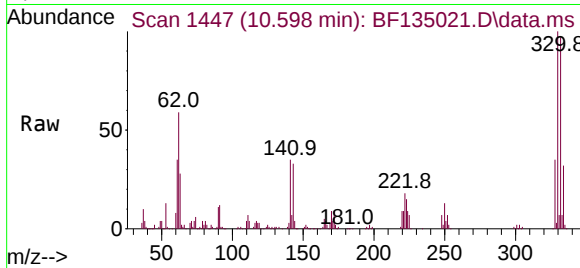




#67
4-Bromophenyl-phenylether
Concen: 2.623 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

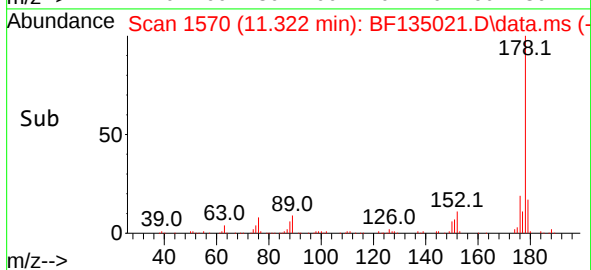
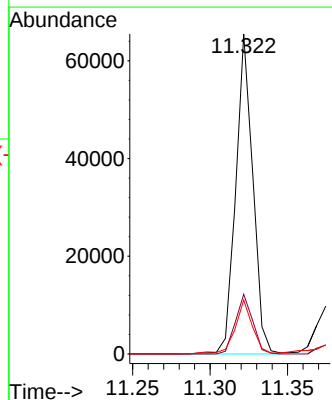
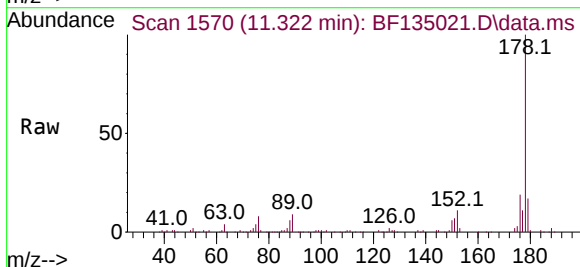
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

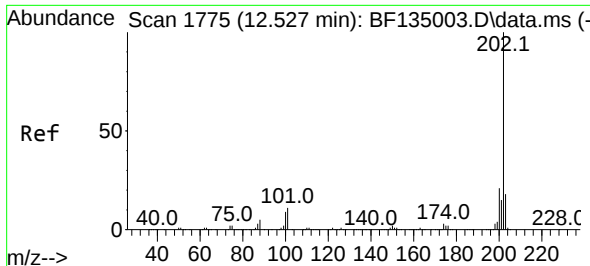
Tgt Ion:248 Resp: 11507
Ion Ratio Lower Upper
248 100
250 195.4 77.9 116.9#
141 520.3 59.8 89.8#



#71
Phenanthrene
Concen: 2.348 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion:178 Resp: 50101
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.8 12.5 18.7

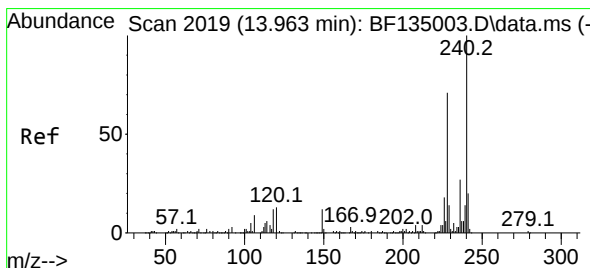
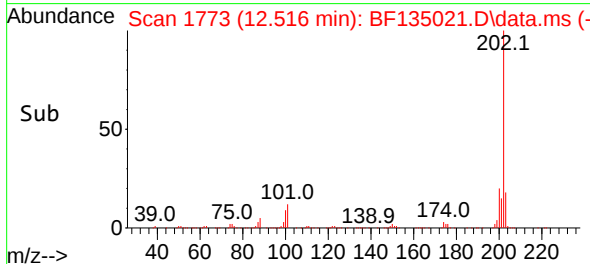
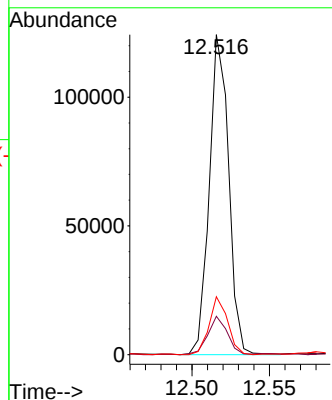
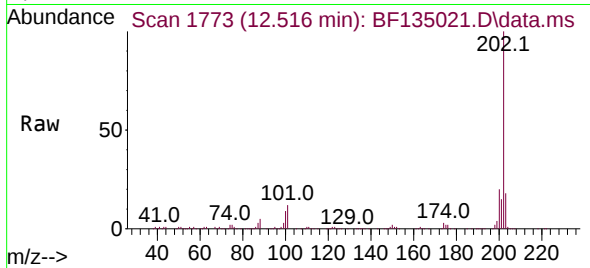




#75
Fluoranthene
Concen: 5.004 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

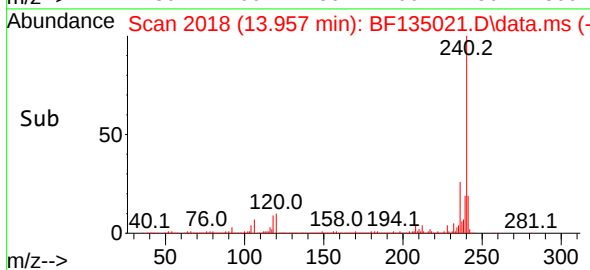
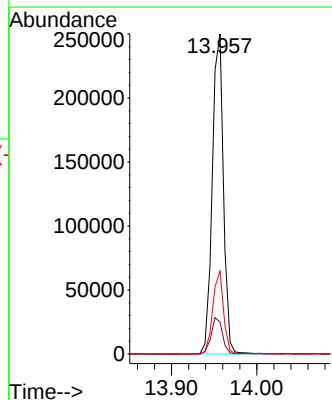
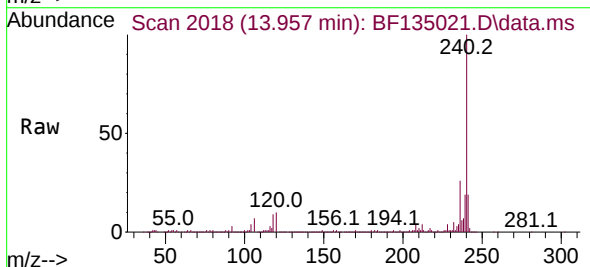
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

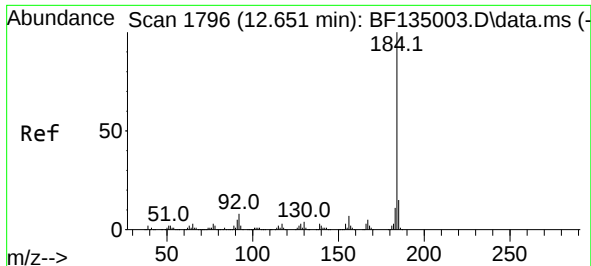
Tgt Ion:202 Resp: 107947
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.5
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion:240 Resp: 227103
Ion Ratio Lower Upper
240 100
120 10.0 10.2 15.2#
236 25.9 21.3 31.9

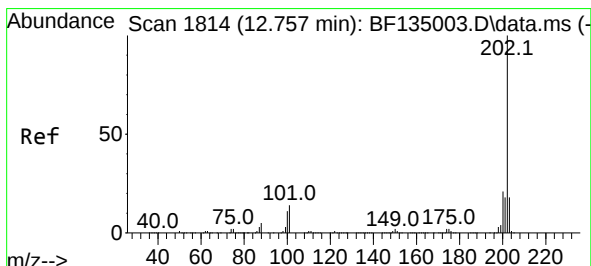
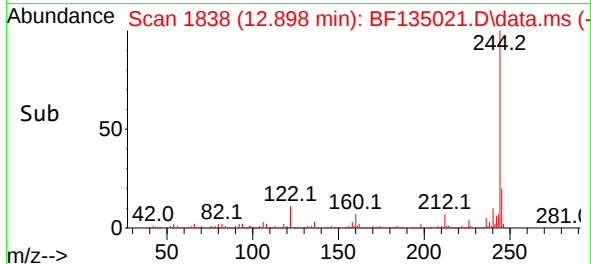
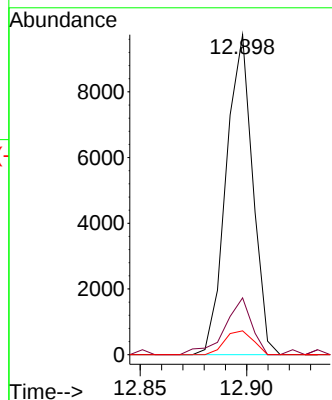
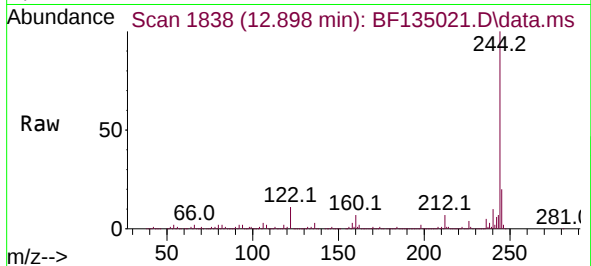




#77
Benzidine
Concen: 2.062 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.247 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

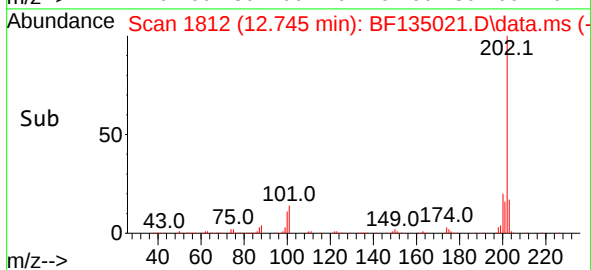
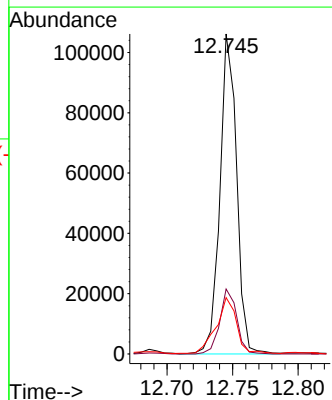
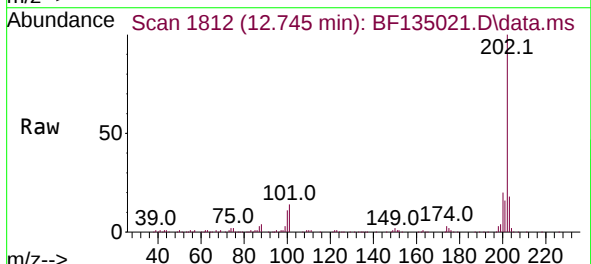
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

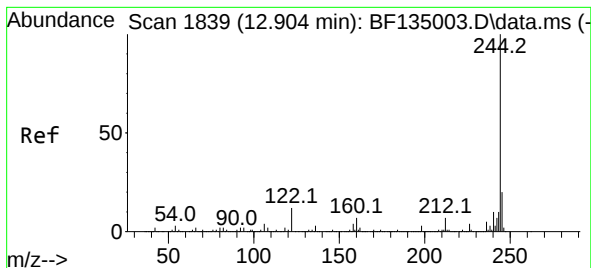
Tgt Ion:184 Resp: 8440
Ion Ratio Lower Upper
184 100
185 17.7 12.0 18.0
183 7.4 9.0 13.6#



#78
Pyrene
Concen: 4.356 ng
RT: 12.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

Tgt Ion:202 Resp: 93934
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.6
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 46.792 ng

RT: 12.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135021.D

Acq: 31 Aug 2023 00:16

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-02

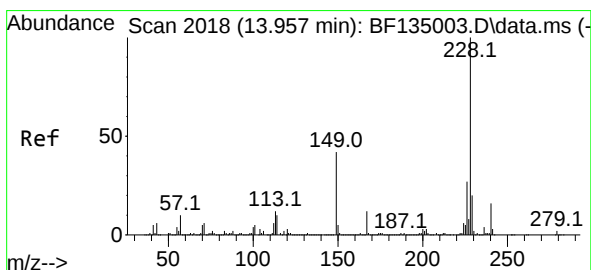
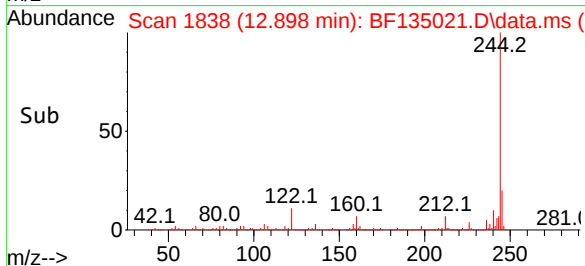
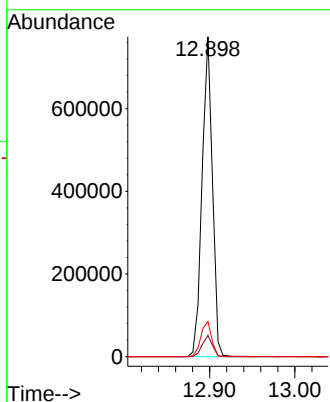
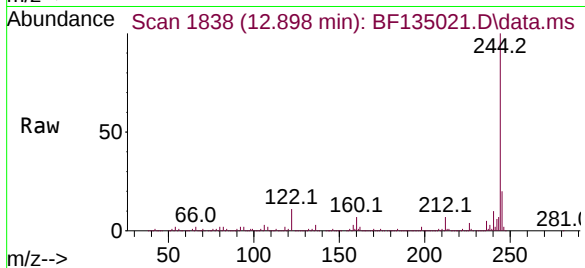
Tgt Ion:244 Resp: 651176

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.9 9.8 14.6



#81

Benzo(a)anthracene

Concen: 3.165 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135021.D

Acq: 31 Aug 2023 00:16

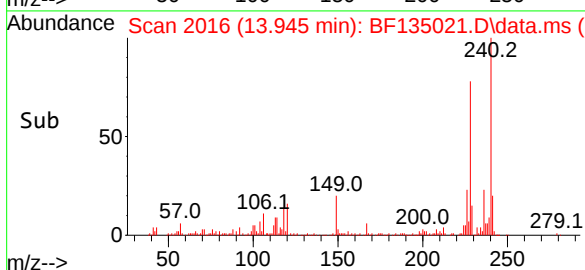
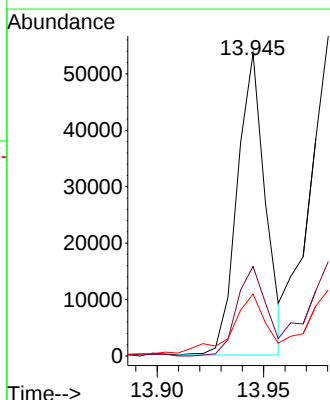
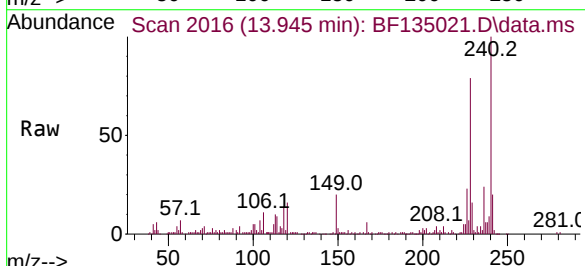
Tgt Ion:228 Resp: 49024

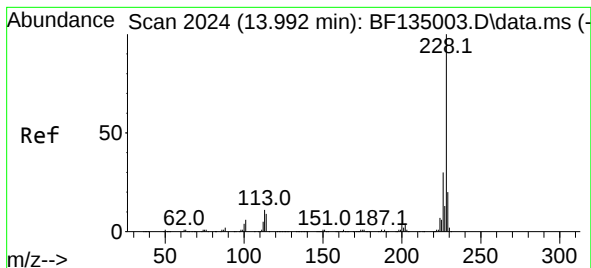
Ion Ratio Lower Upper

228 100

226 29.6 21.6 32.4

229 20.4 15.6 23.4





#83

Chrysene

Concen: 3.636 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135021.D

Acq: 31 Aug 2023 00:16

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-02

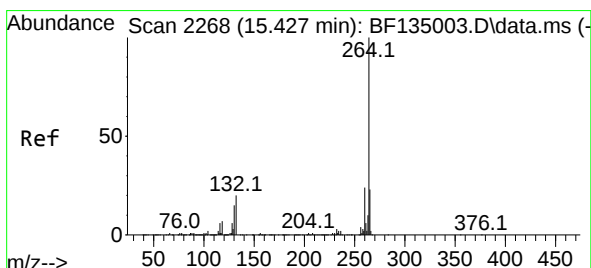
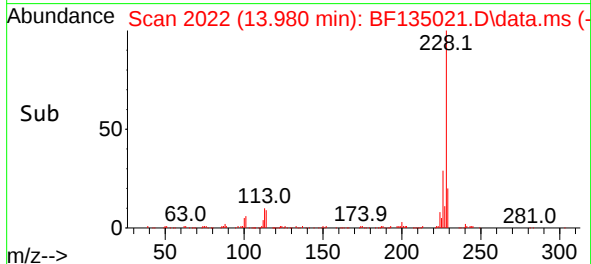
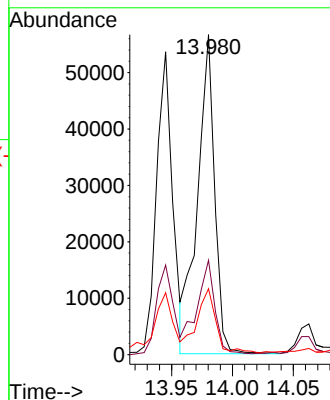
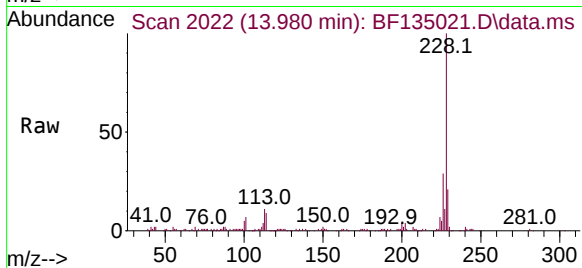
Tgt Ion:228 Resp: 55362

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.4

229 20.6 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: BF135021.D

Acq: 31 Aug 2023 00:16

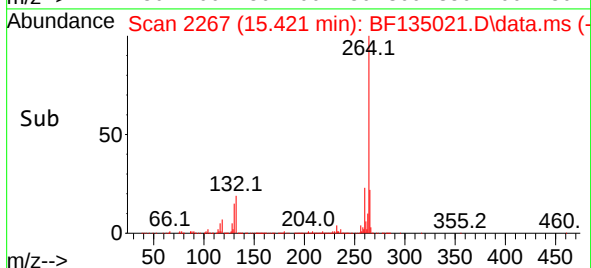
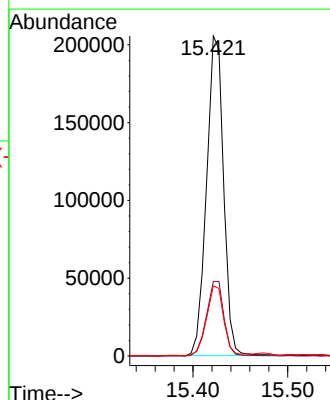
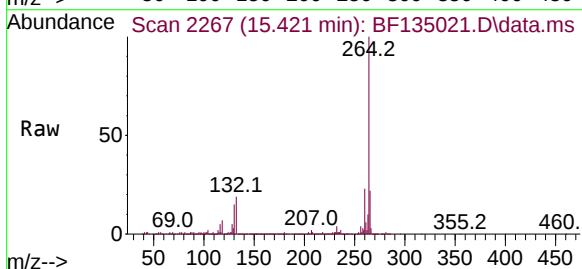
Tgt Ion:264 Resp: 256098

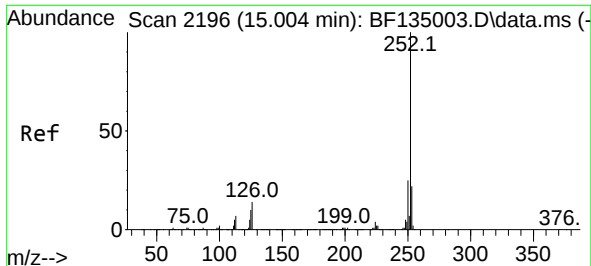
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.9 18.2 27.2

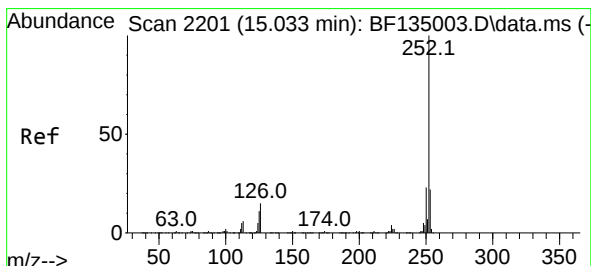
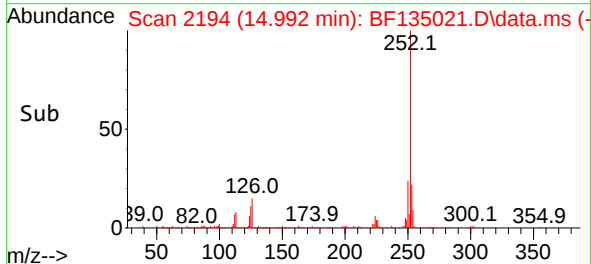
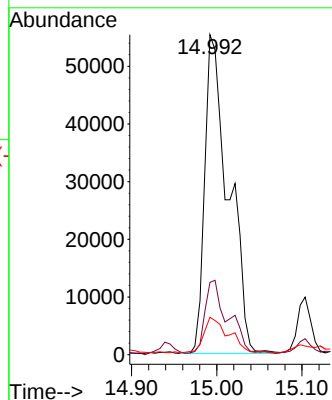
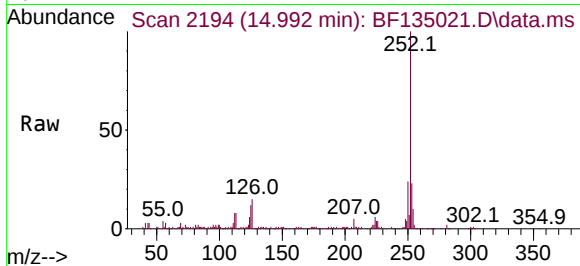




#88
Benzo(b)fluoranthene
Concen: 6.729 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

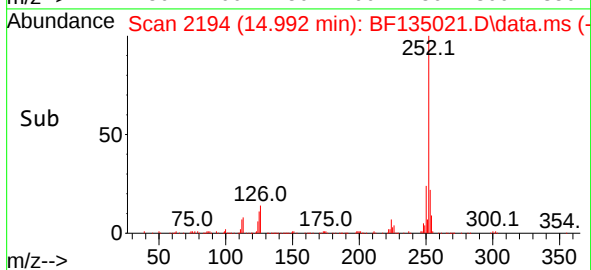
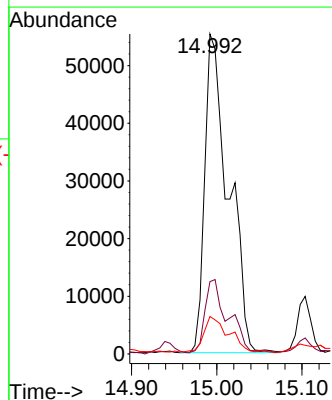
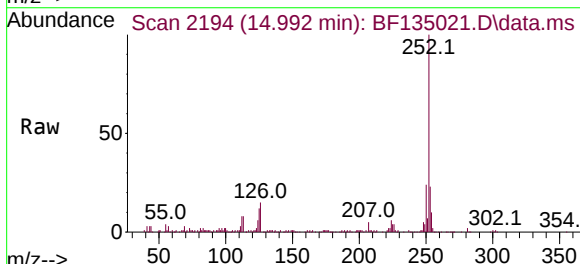
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-02

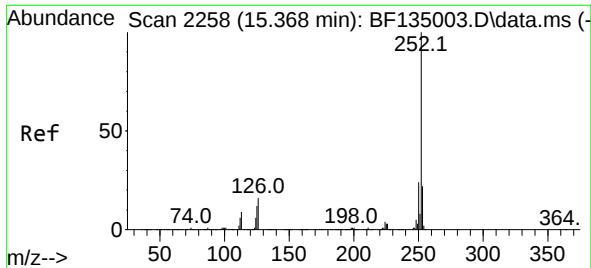
Tgt Ion:252 Resp: 107220
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.7 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 6.965 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.041 min
Lab File: BF135021.D
Acq: 31 Aug 2023 00:16

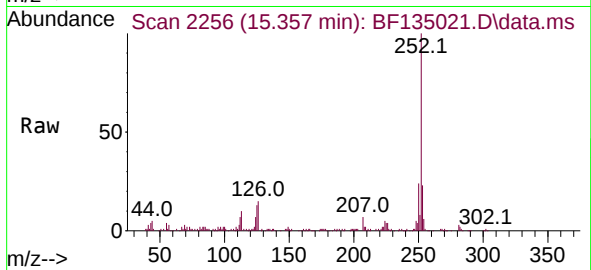
Tgt Ion:252 Resp: 107220
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 11.7 8.5 12.7





#90
 Benzo(a)pyrene
 Concen: 3.626 ng
 RT: 15.357 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF135021.D
 Acq: 31 Aug 2023 00:16

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-02



Tgt Ion:252	Resp:	53672
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.4 26.0
125	13.3	9.5 14.3

