

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135865.D
 Acq On : 19 Oct 2023 00:29
 Operator : CG\JU
 Sample : 04888-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21

Quant Time: Oct 19 02:11:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

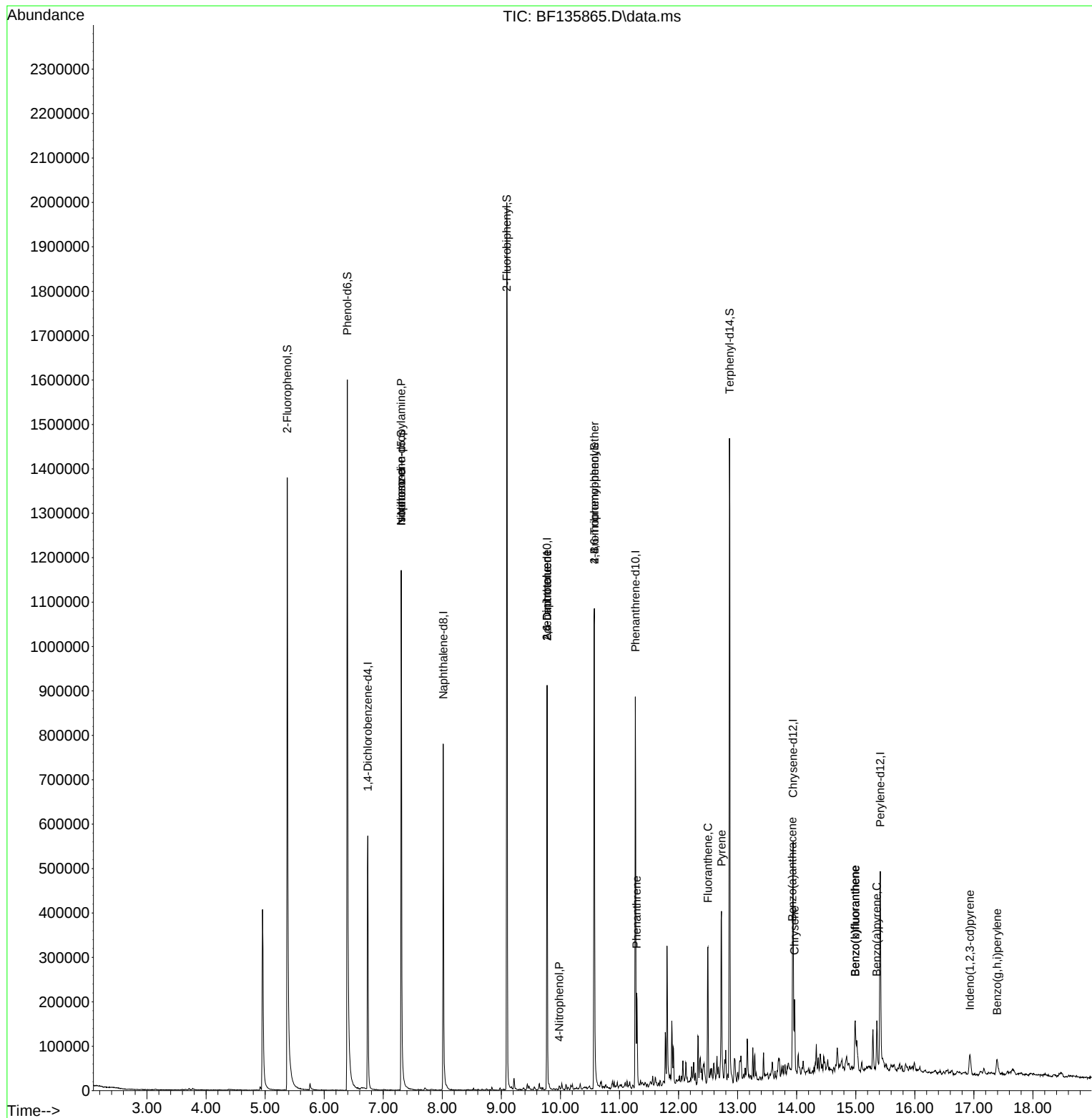
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	89242	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	335078	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	169669	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	320455	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	167536	20.000	ng	-0.01
86) Perylene-d12	15.415	264	218948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	464570	83.695	ng	0.00
7) Phenol-d6	6.392	99	586504	84.684	ng	0.00
23) Nitrobenzene-d5	7.304	82	364512	59.830	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	146167	89.777	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	604736	55.727	ng	-0.01
79) Terphenyl-d14	12.863	244	517836	57.241	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	48622	11.354	ng	# 74
25) Isophorone	7.304	82	364512	31.714	ng	# 66
51) 2,6-Dinitrotoluene	9.774	165	21935	8.906	ng	# 16
56) 4-Nitrophenol	9.980	139	64	5.535	ng	# 5
57) 2,4-Dinitrotoluene	9.774	165	21935	7.000	ng	# 24
67) 4-Bromophenyl-phenylether	10.574	248	8912	2.770	ng	# 1
71) Phenanthrene	11.292	178	86355	5.625	ng	98
75) Fluoranthene	12.498	202	121948	7.157	ng	96
78) Pyrene	12.727	202	169042	12.697	ng	99
81) Benzo(a)anthracene	13.927	228	53854	4.894	ng	98
83) Chrysene	13.962	228	67303	6.314	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	29331	2.459	ng	99
88) Benzo(b)fluoranthene	14.992	252	83563	6.819	ng	99
89) Benzo(k)fluoranthene	14.992	252	83843	7.048	ng	99
90) Benzo(a)pyrene	15.356	252	54582	4.737	ng	97
92) Benzo(g,h,i)perylene	17.392	276	29483	2.935	ng	98

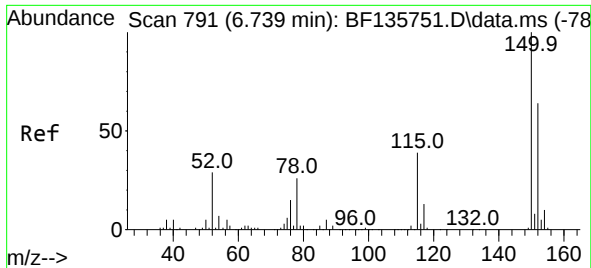
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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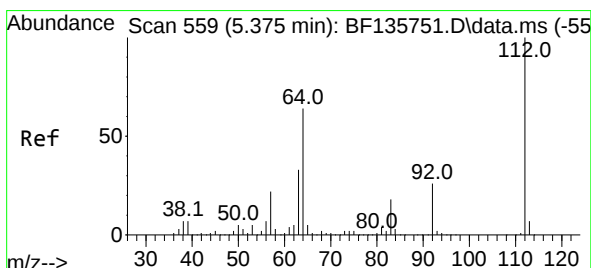
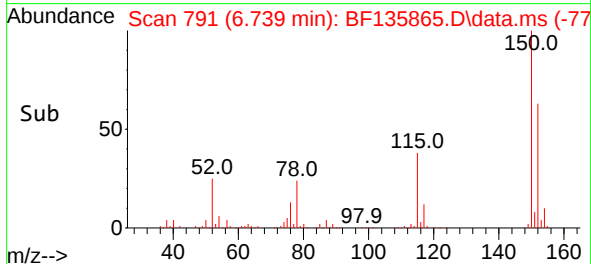
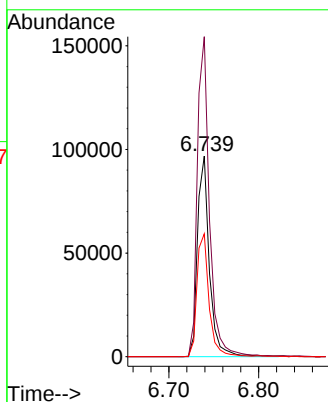
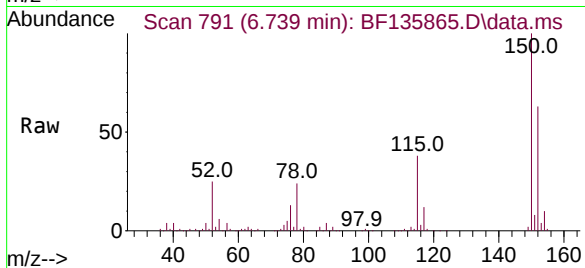




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 791
 Delta R.T. -0.007 min
 Lab File: BF135865.D
 Acq: 19 Oct 2023 00:29

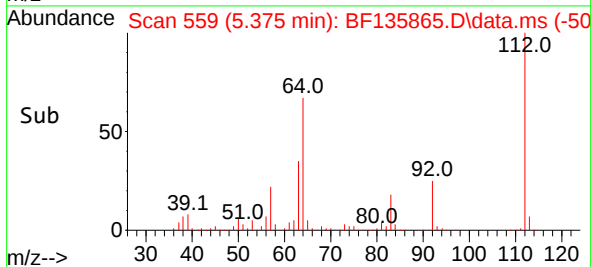
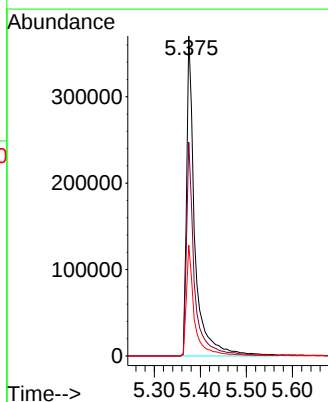
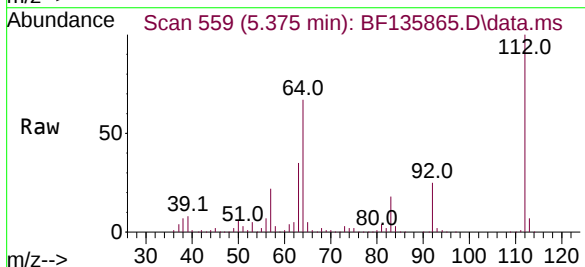
Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21

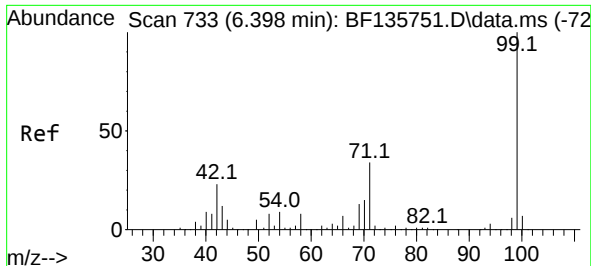
Tgt Ion:152 Resp: 89242
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.5 186.7
 115 61.2 49.0 73.4



#5
 2-Fluorophenol
 Concen: 83.695 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135865.D
 Acq: 19 Oct 2023 00:29

Tgt Ion:112 Resp: 464570
 Ion Ratio Lower Upper
 112 100
 64 66.8 51.2 76.8
 63 34.7 26.1 39.1

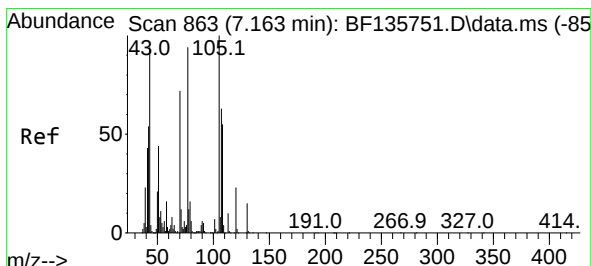
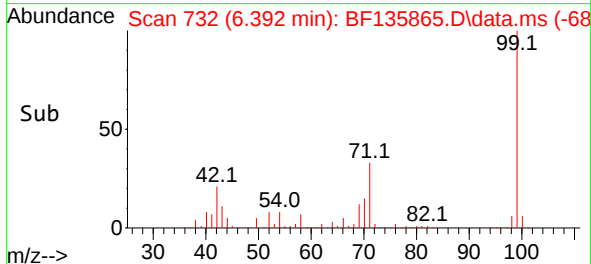
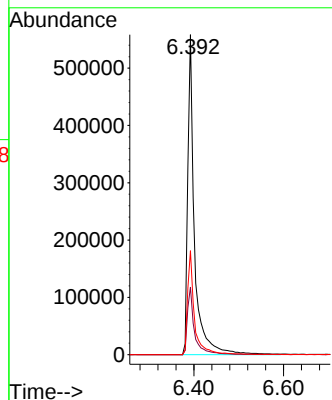
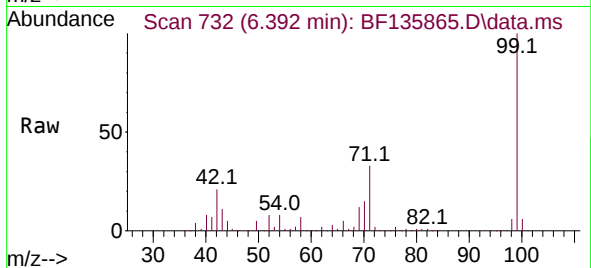




#7
Phenol-d6
Concen: 84.684 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

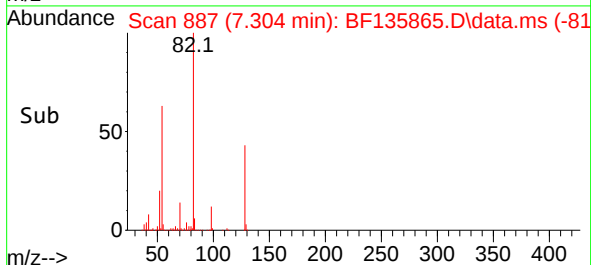
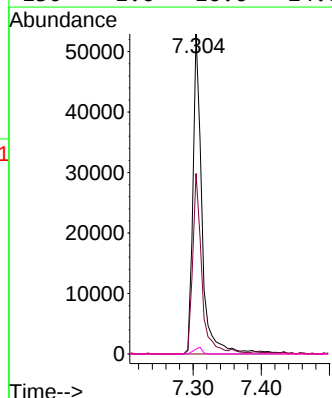
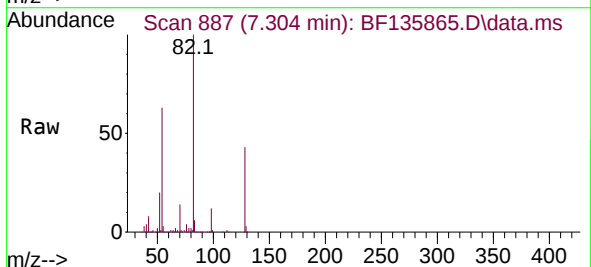
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21

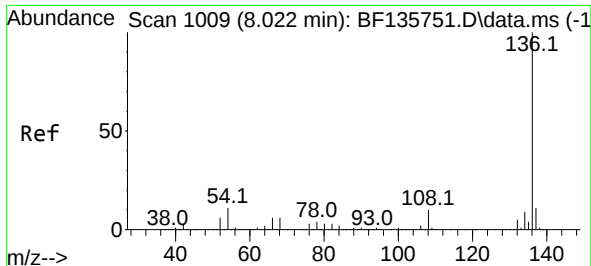
Tgt Ion: 99 Resp: 586504
Ion Ratio Lower Upper
99 100
42 21.2 18.4 27.6
71 32.5 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.354 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion: 70 Resp: 48622
Ion Ratio Lower Upper
70 100
42 56.4 59.8 89.6#
101 0.0 7.4 11.2#
130 1.6 16.6 24.8#



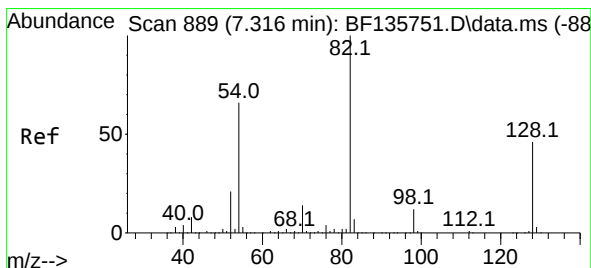
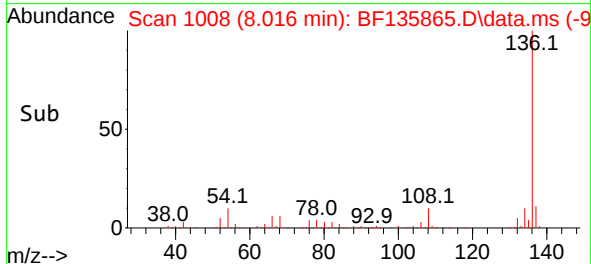
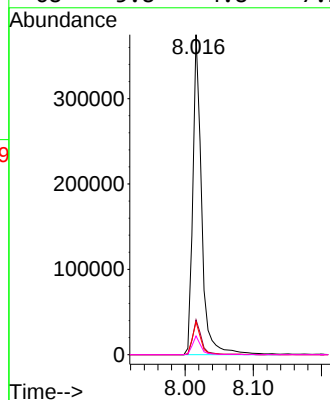
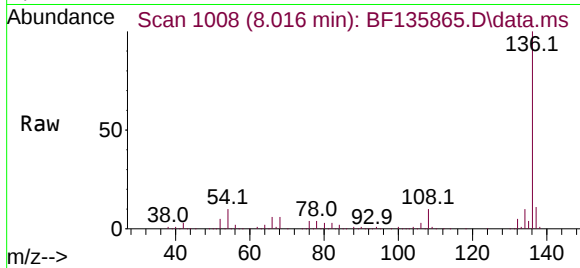


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21

Tgt Ion:136 Resp: 335078

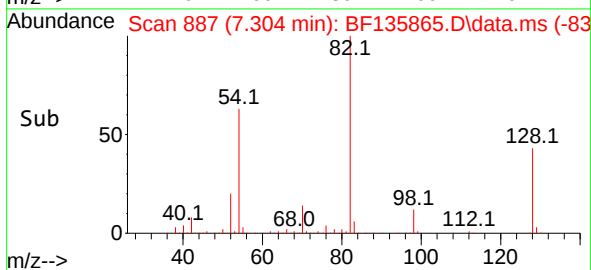
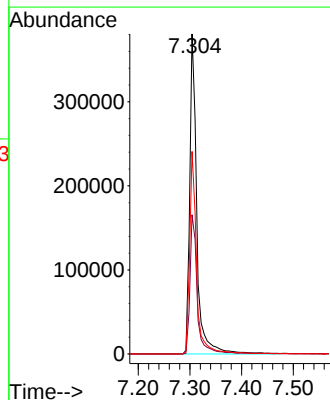
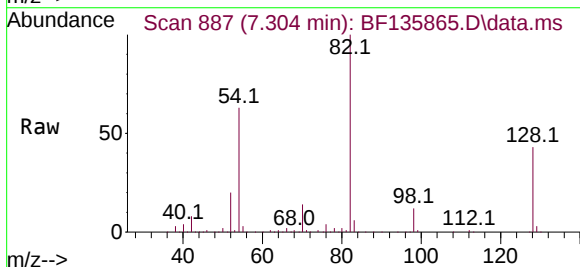
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.2	8.5	12.7
68	5.8	4.8	7.2

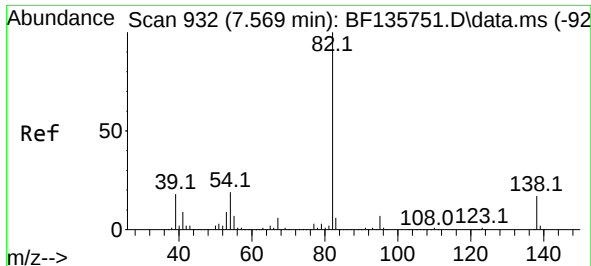


#23
Nitrobenzene-d5
Concen: 59.830 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion: 82 Resp: 364512

Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.0	55.6
54	63.3	52.8	79.2

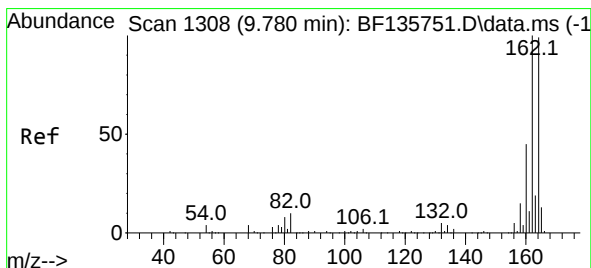
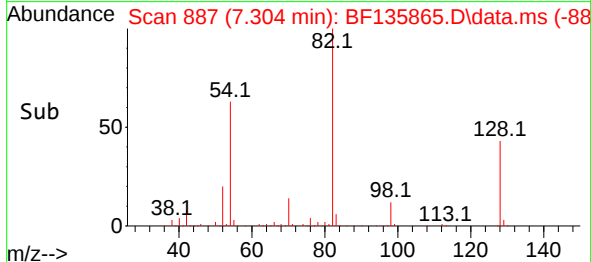
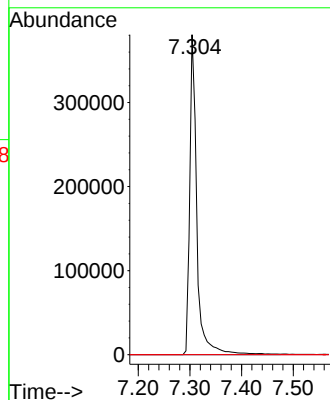
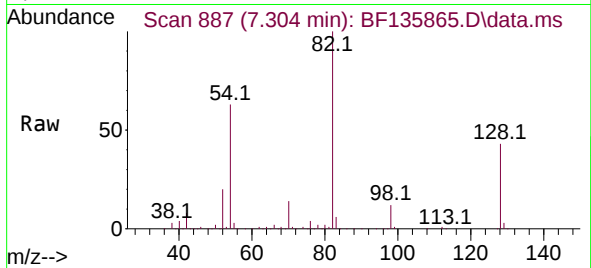




#25
Isophorone
Concen: 31.714 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

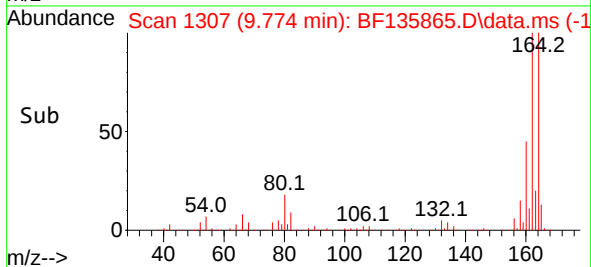
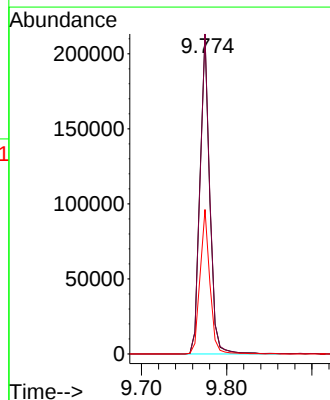
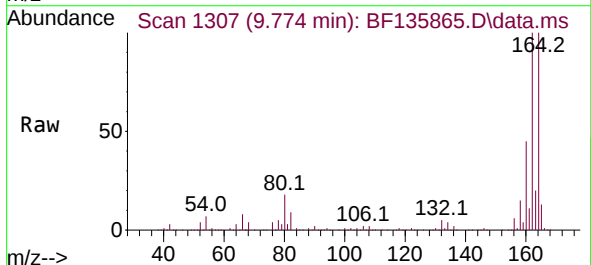
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ClientSampleId :
TR-304-COMP-21

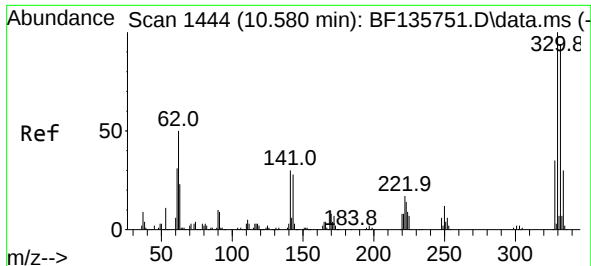
Tgt Ion: 82 Resp: 364512
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion:164 Resp: 169669
Ion Ratio Lower Upper
164 100
162 100.3 80.8 121.2
160 45.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 89.777 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21

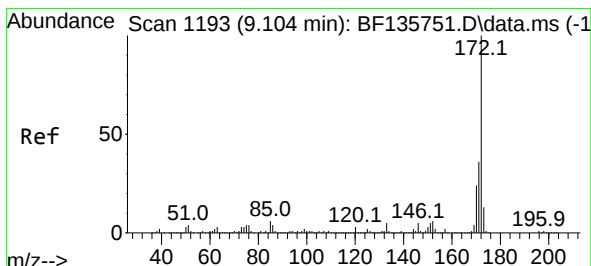
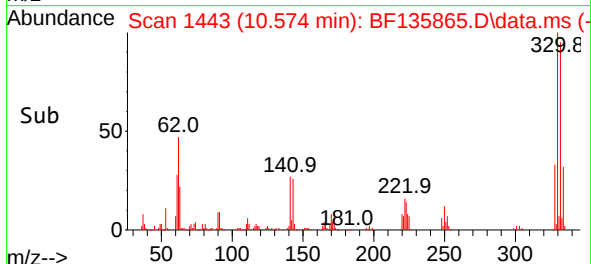
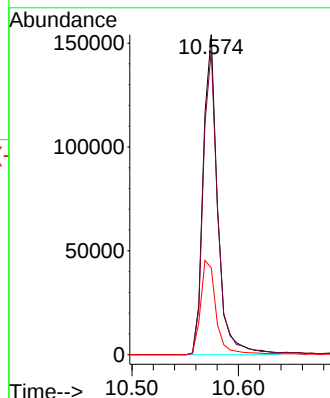
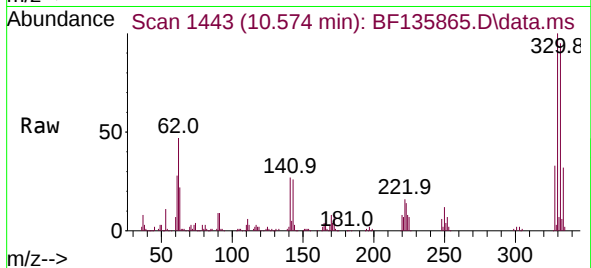
Tgt Ion:330 Resp: 146167

Ion Ratio Lower Upper

330 100

332 97.8 75.0 112.4

141 32.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 55.727 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

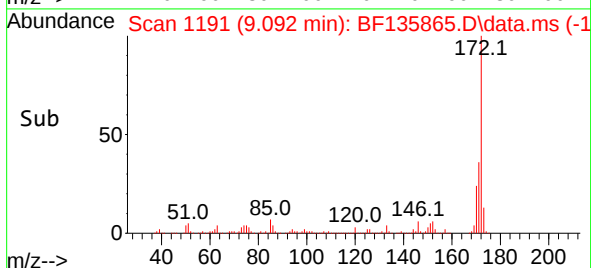
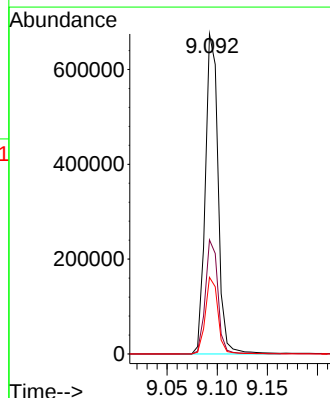
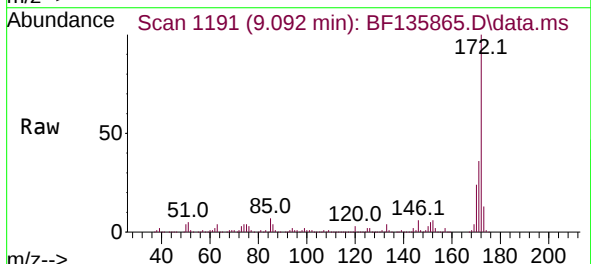
Tgt Ion:172 Resp: 604736

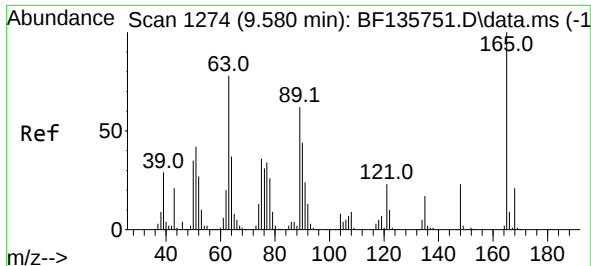
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.9 18.8 28.2

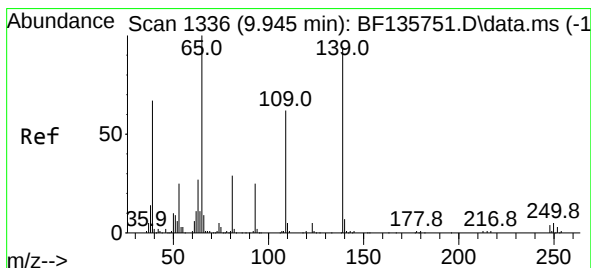
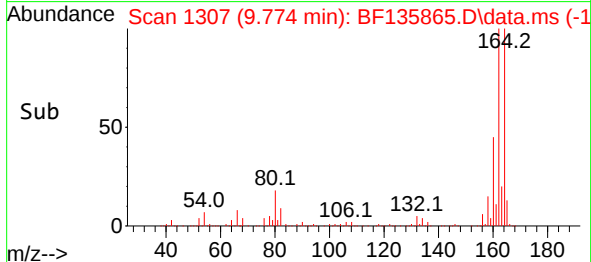
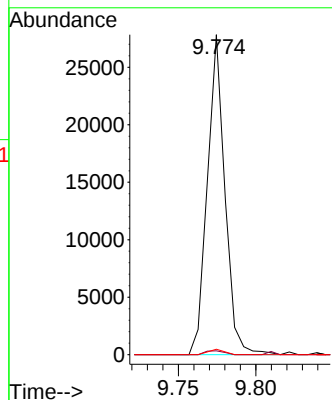
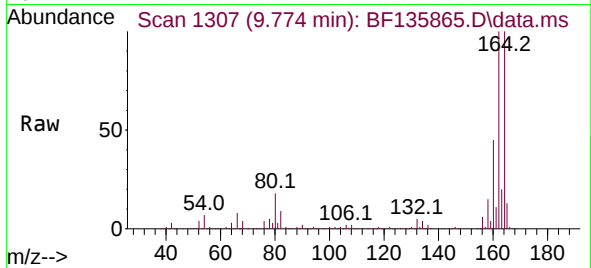




#51
2,6-Dinitrotoluene
Concen: 8.906 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

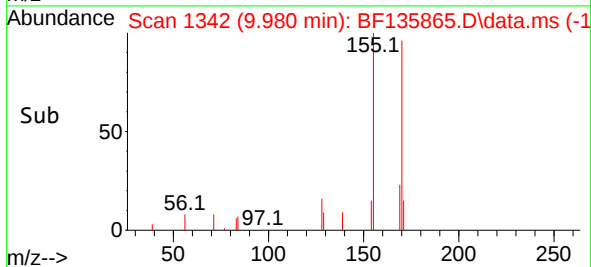
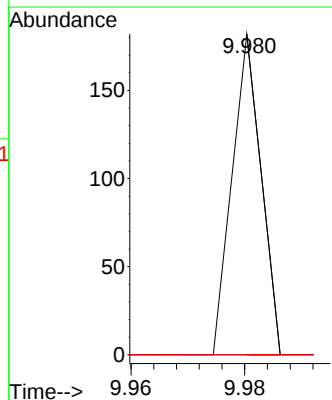
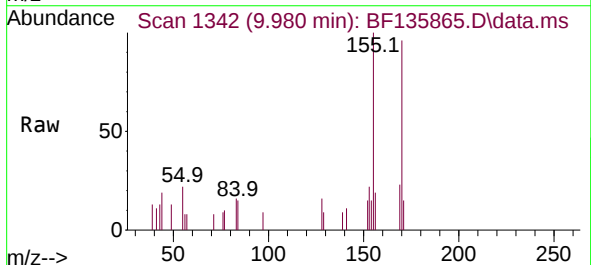
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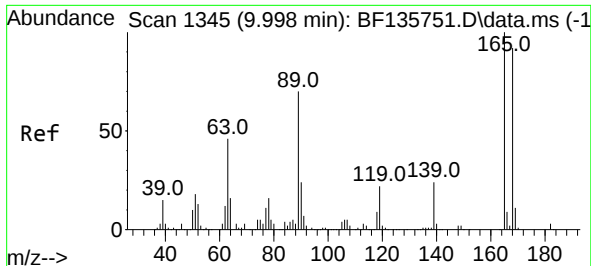
Tgt Ion:165 Resp: 21935
Ion Ratio Lower Upper
165 100
63 1.2 62.2 93.4#
89 1.7 49.6 74.4#



#56
4-Nitrophenol
Concen: 5.535 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.035 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 0.0 87.5 127.5#

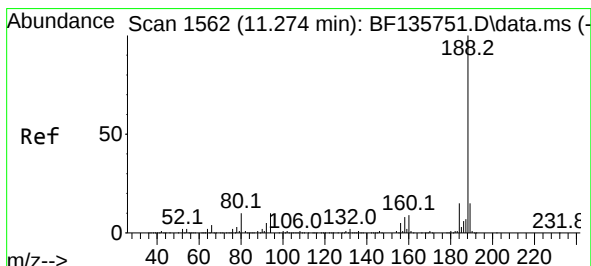
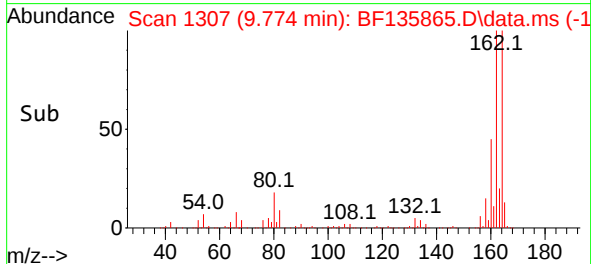
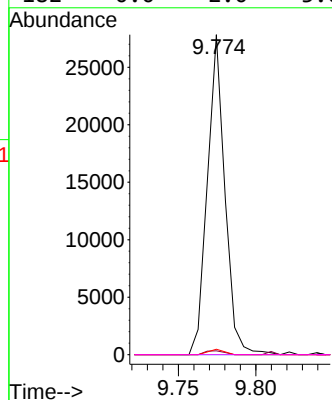
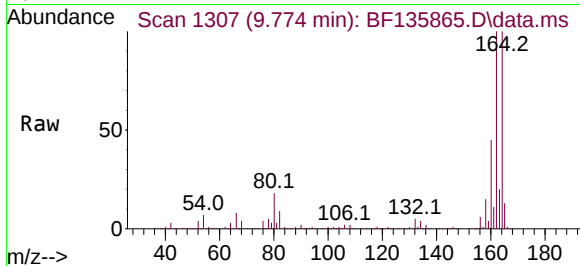




#57
2,4-Dinitrotoluene
Concen: 7.000 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

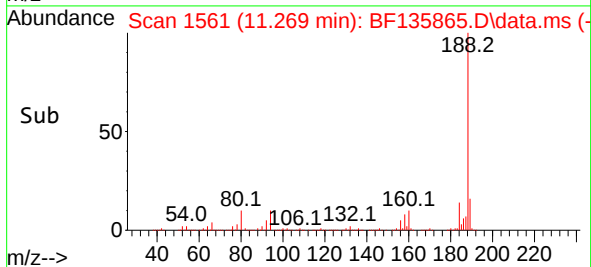
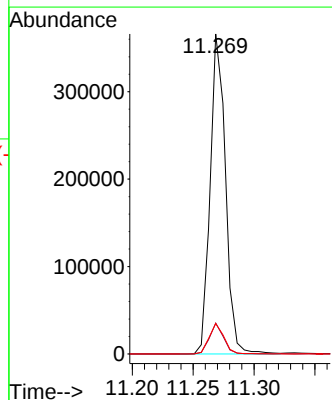
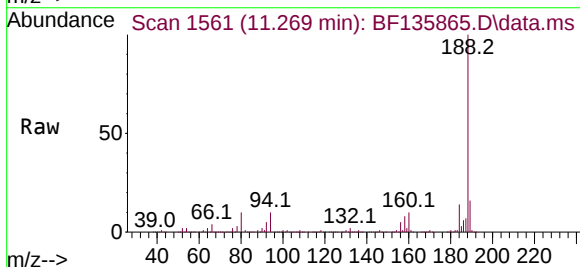
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21

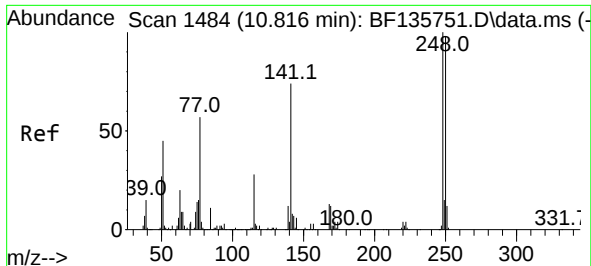
Tgt Ion:	165	Resp:	21935
Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.0	58.4#
89	1.7	55.9	83.9#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion:	188	Resp:	320455
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	9.5	8.3	12.5

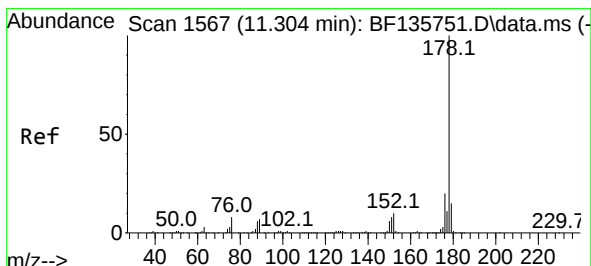
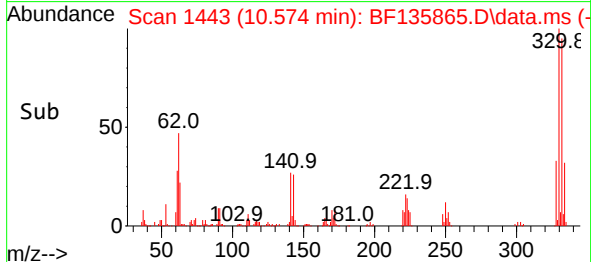
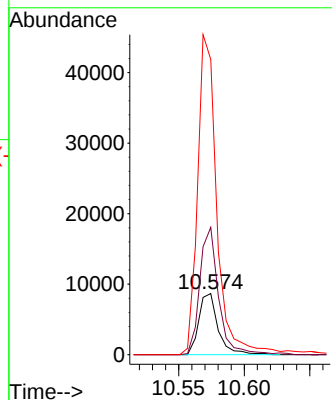
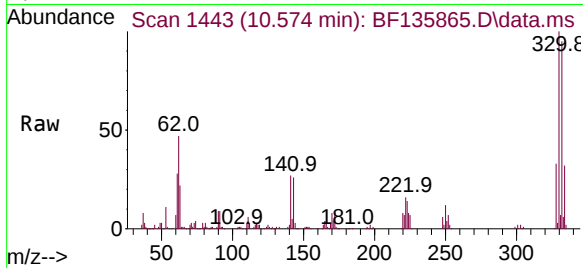




#67
4-Bromophenyl-phenylether
Concen: 2.770 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.247 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

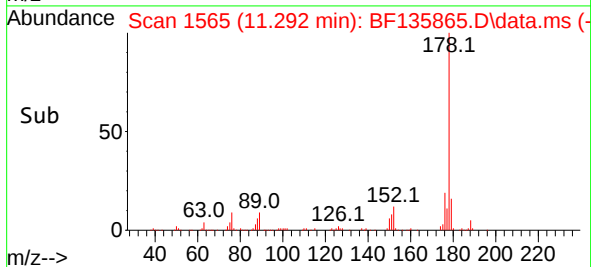
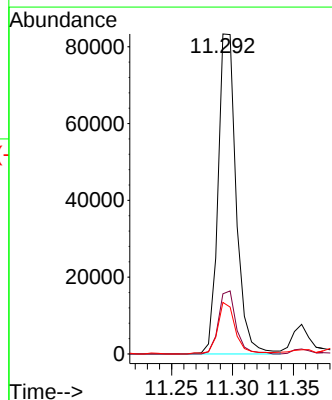
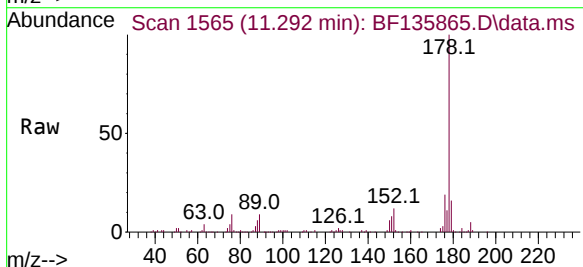
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21

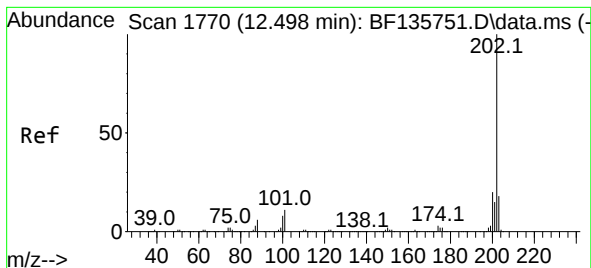
Tgt Ion:248 Resp: 8912
Ion Ratio Lower Upper
248 100
250 208.3 78.0 117.0#
141 482.4 59.0 88.6#



#71
Phenanthrene
Concen: 5.625 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion:178 Resp: 86355
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 16.1 12.2 18.4





#75

Fluoranthene

Concen: 7.157 ng

RT: 12.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21

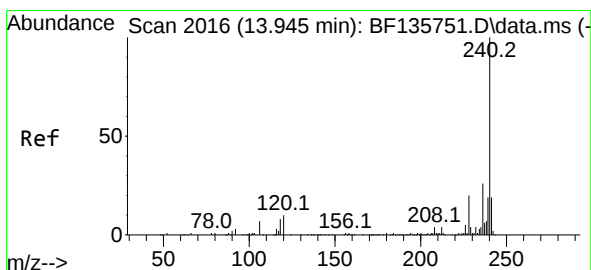
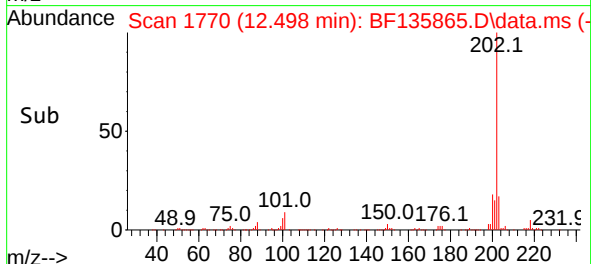
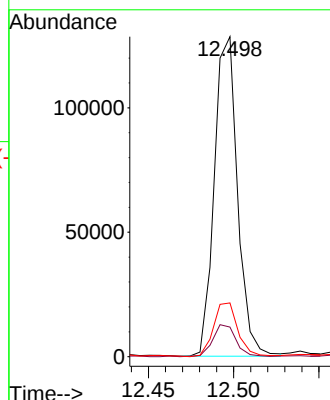
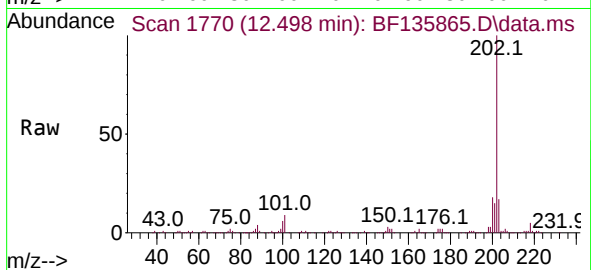
Tgt Ion:202 Resp: 121948

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.5

203 16.8 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

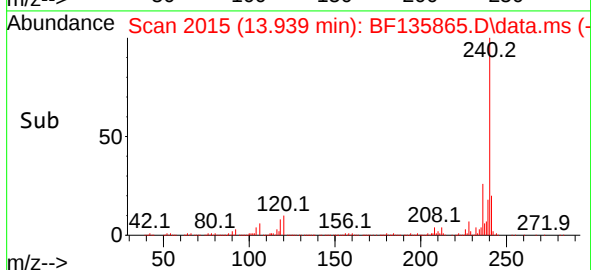
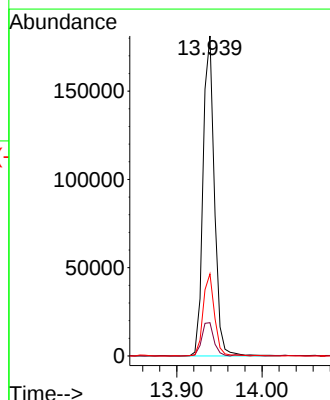
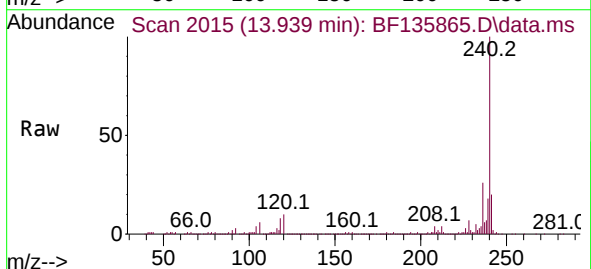
Tgt Ion:240 Resp: 167536

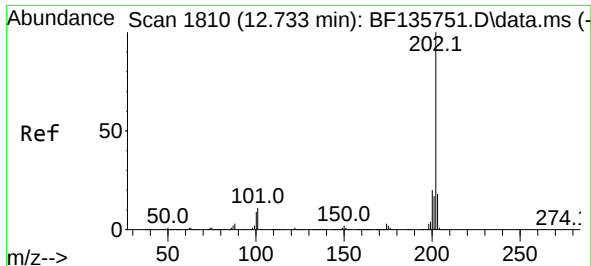
Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 25.7 21.2 31.8

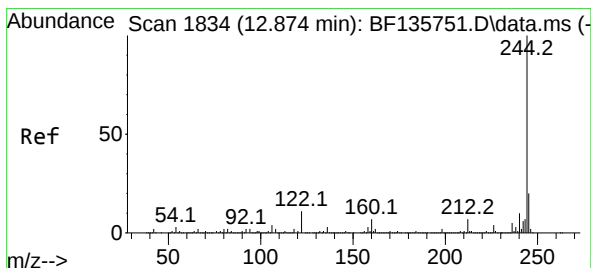
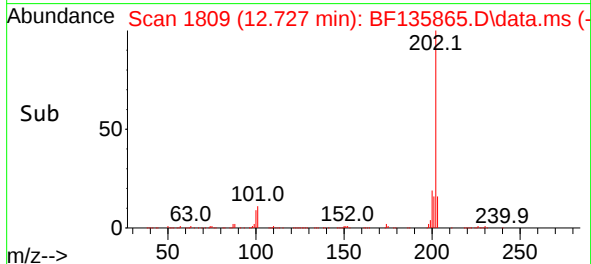
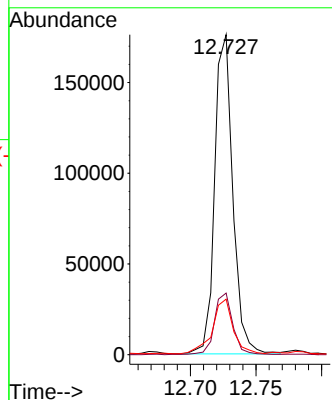
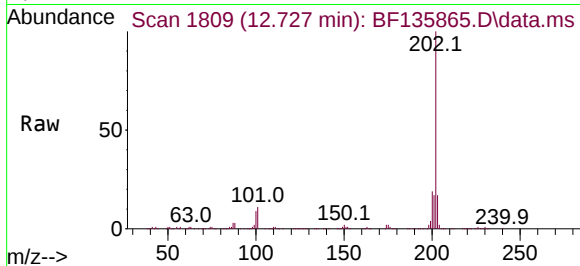




#78
 Pyrene
 Concen: 12.697 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF135865.D
 Acq: 19 Oct 2023 00:29

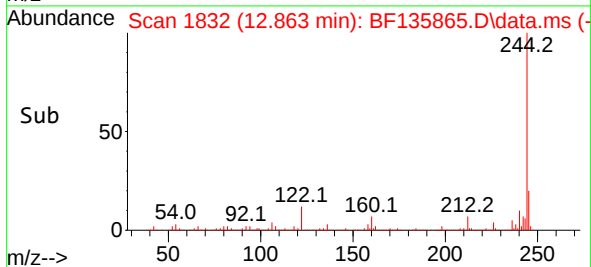
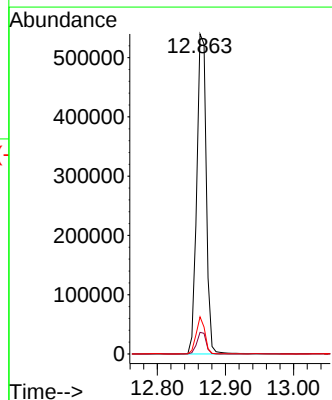
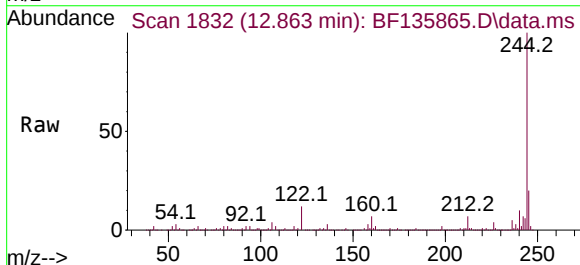
Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21

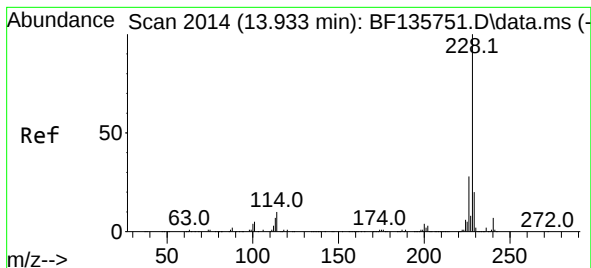
Tgt Ion:202 Resp: 169042
 Ion Ratio Lower Upper
 202 100
 200 19.2 16.1 24.1
 203 17.4 14.2 21.2



#79
 Terphenyl-d14
 Concen: 57.241 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.018 min
 Lab File: BF135865.D
 Acq: 19 Oct 2023 00:29

Tgt Ion:244 Resp: 517836
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.6 9.0 13.6





#81

Benzo(a)anthracene

Concen: 4.894 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21

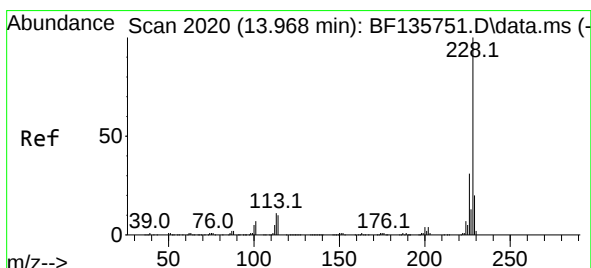
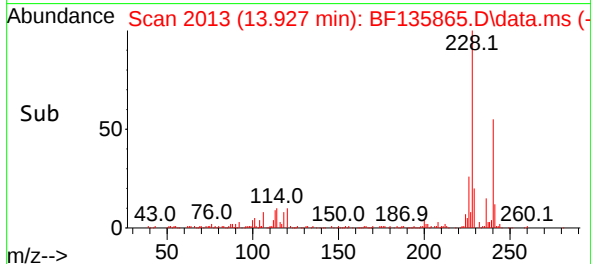
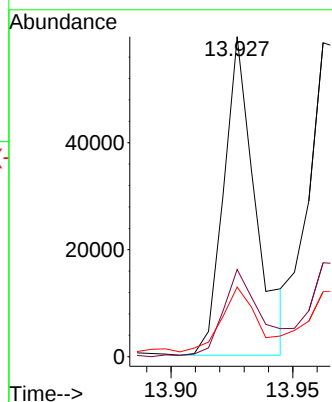
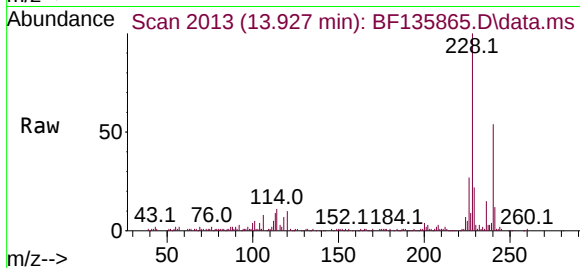
Tgt Ion:228 Resp: 53854

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

229 21.8 16.1 24.1



#83

Chrysene

Concen: 6.314 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

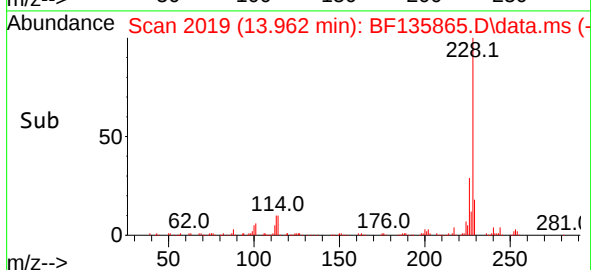
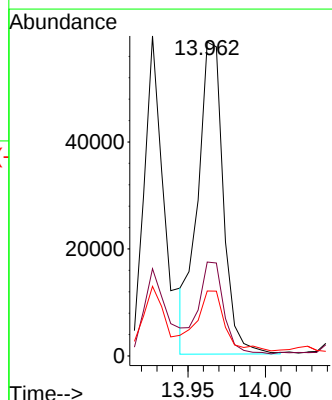
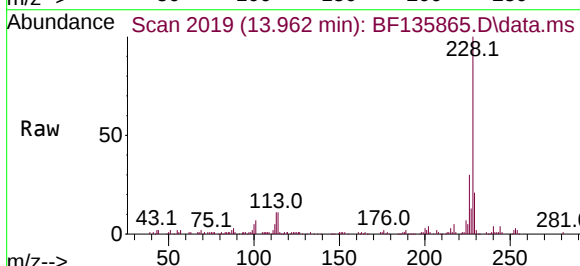
Tgt Ion:228 Resp: 67303

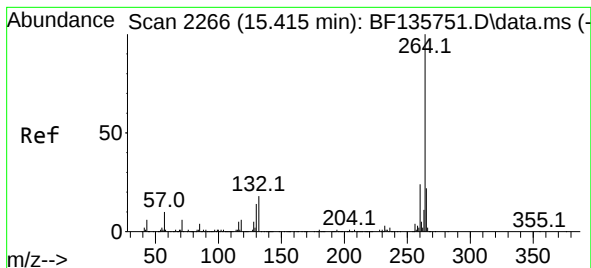
Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 20.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21

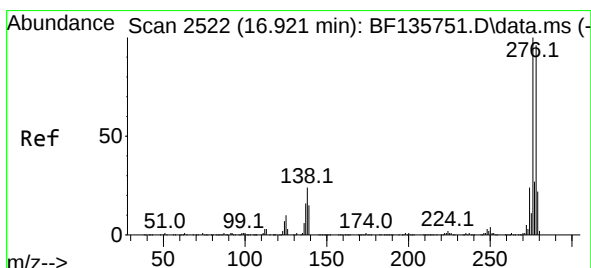
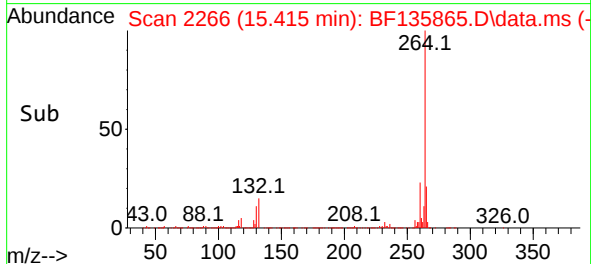
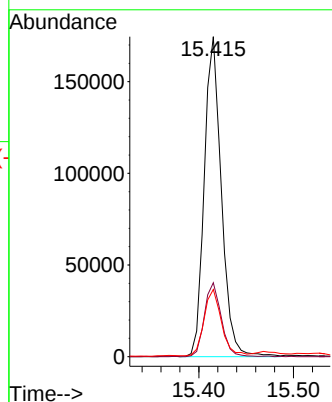
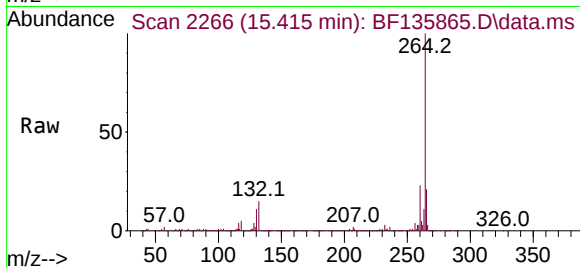
Tgt Ion:264 Resp: 218948

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.459 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.000 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

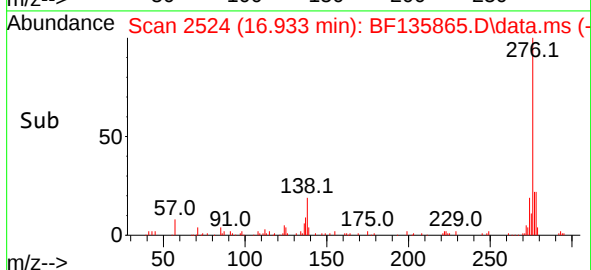
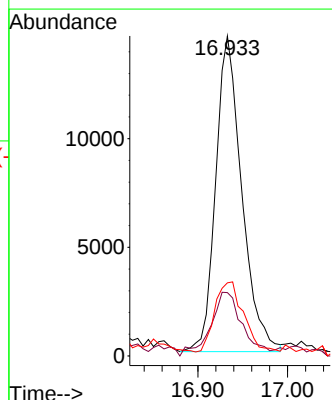
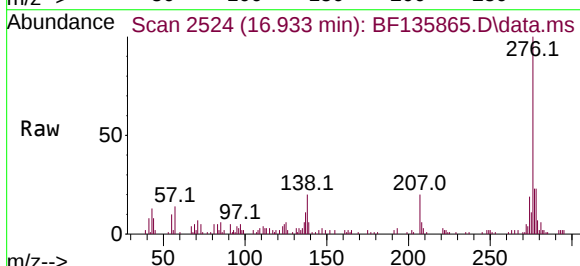
Tgt Ion:276 Resp: 29331

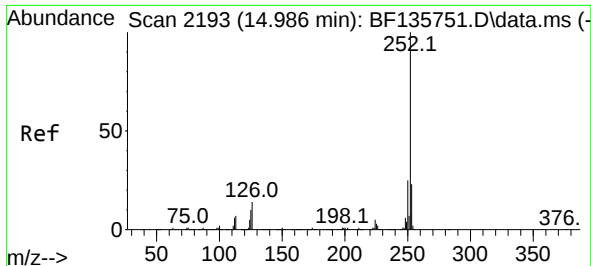
Ion Ratio Lower Upper

276 100

138 24.9 19.8 29.6

277 24.8 20.2 30.4

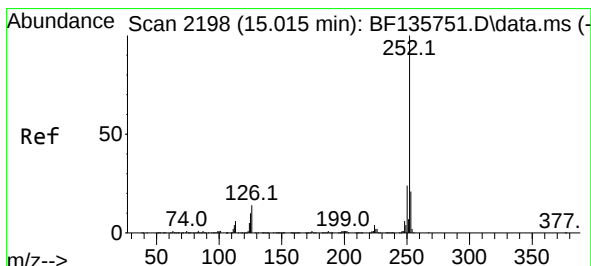
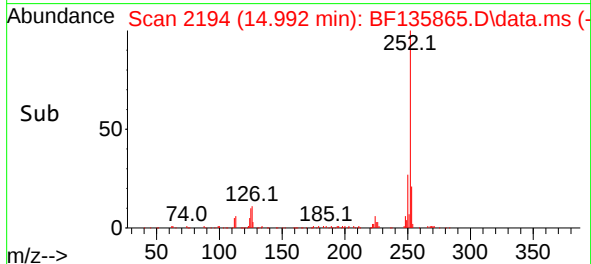
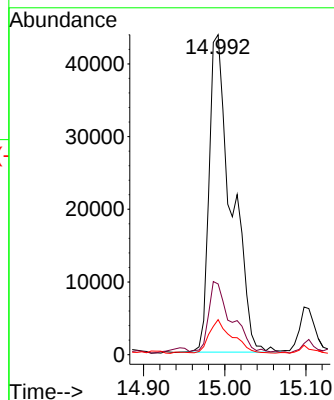
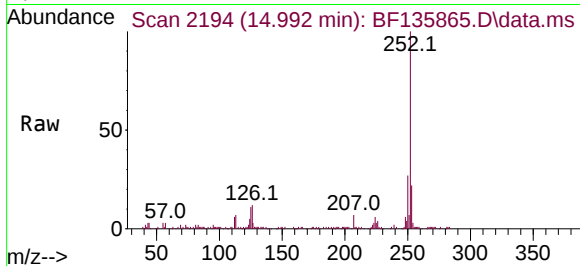




#88
Benzo(b)fluoranthene
Concen: 6.819 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

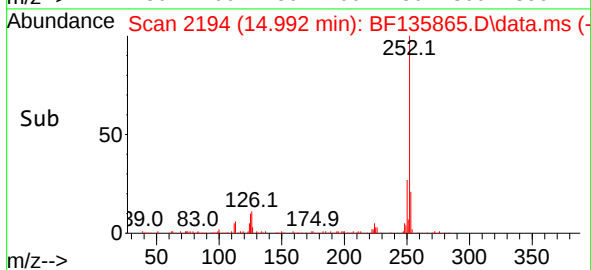
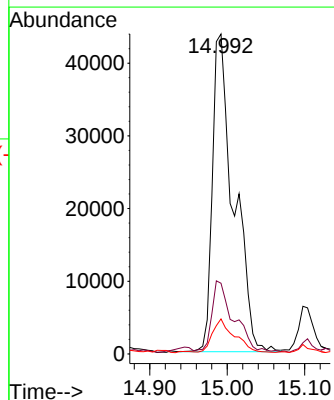
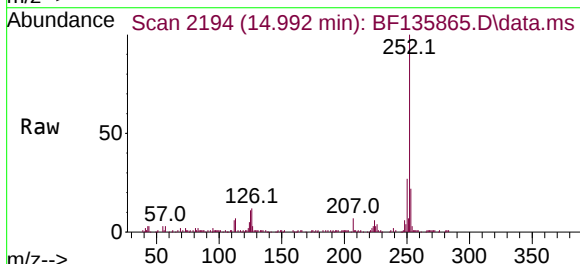
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21

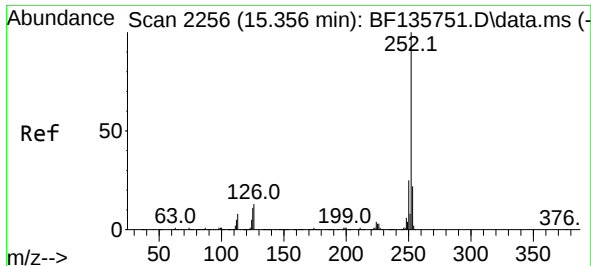
Tgt Ion:252 Resp: 83563
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 10.9 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 7.048 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.030 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion:252 Resp: 83843
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 10.9 8.3 12.5

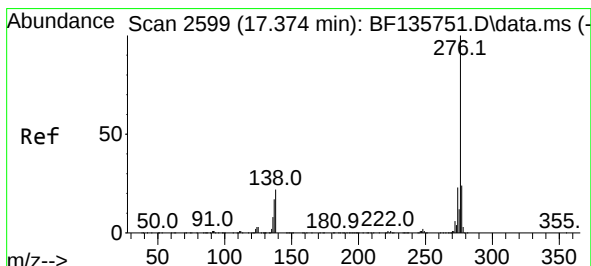
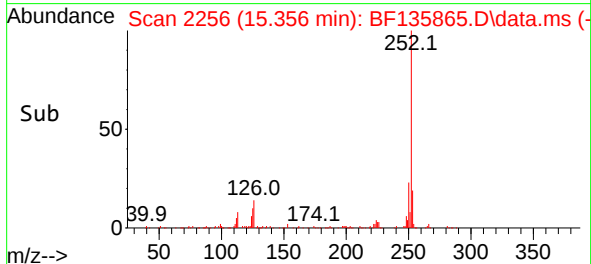
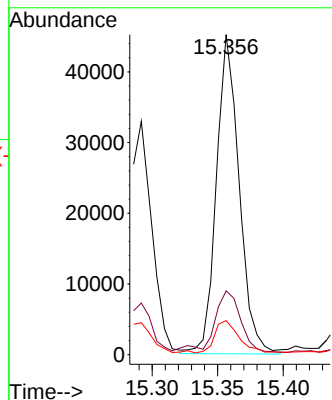
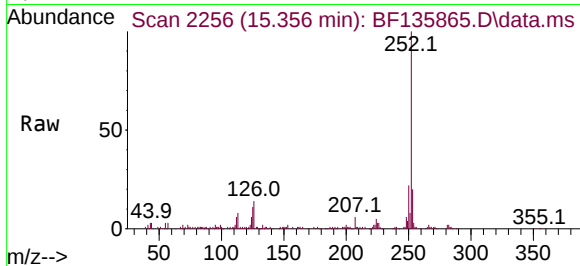




#90
Benzo(a)pyrene
Concen: 4.737 ng
RT: 15.356 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21

Tgt Ion:252 Resp: 54582
Ion Ratio Lower Upper
252 100
253 20.0 17.4 26.2
125 10.7 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 2.935 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion:276 Resp: 29483
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.2
138 19.7 17.3 25.9

