

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132931.D
 Acq On : 20 Apr 2023 01:19
 Operator : CG\JU
 Sample : 02371-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

Quant Time: Apr 20 04:22:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

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

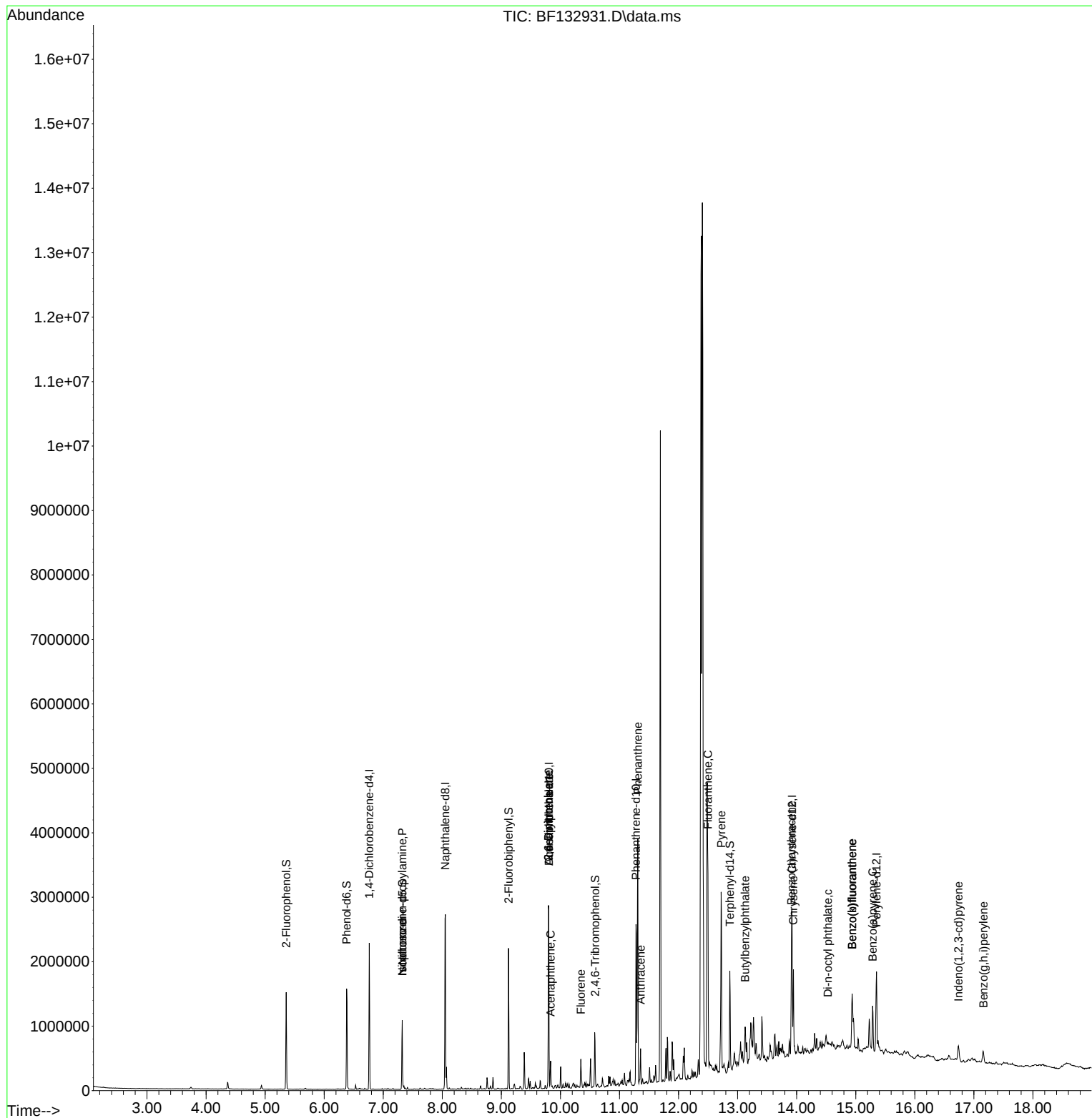
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	279732	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	1122200	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	568070	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	918149	20.000	ng	0.00
76) Chrysene-d12	13.921	240	597680	20.000	ng	0.00
86) Perylene-d12	15.351	264	528497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	344364	19.250	ng	0.00
7) Phenol-d6	6.381	99	461469	20.215	ng	-0.02
23) Nitrobenzene-d5	7.322	82	269314	12.509	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	76757	13.471	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	537879	14.546	ng	-0.01
79) Terphenyl-d14	12.868	244	478781	13.667	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	37045	2.600	ng	# 81
25) Isophorone	7.322	82	268389	6.572	ng	# 66
50) Dimethylphthalate	9.804	163	118554	3.019	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	75875	8.812	ng	# 28
52) Acenaphthene	9.833	154	73153	2.136	ng	99
57) 2,4-Dinitrotoluene	9.798	165	75875	7.140	ng	# 24
58) Fluorene	10.345	166	94770	2.662	ng	100
71) Phenanthrene	11.310	178	1279868	25.915	ng	99
72) Anthracene	11.357	178	182624	3.612	ng	98
75) Fluoranthene	12.498	202	1137916	23.170	ng	99
78) Pyrene	12.721	202	1096293	22.432	ng	99
80) Butylbenzylphthalate	13.127	149	5589	5.557	ng	89
81) Benzo(a)anthracene	13.910	228	451543	11.109	ng	99
83) Chrysene	13.945	228	433469	10.729	ng	99
85) Di-n-octyl phthalate	14.527	149	40509	7.428	ng	# 68
87) Indeno(1,2,3-cd)pyrene	16.739	276	149544	4.952	ng	97
88) Benzo(b)fluoranthene	14.939	252	583288	17.718	ng	98
89) Benzo(k)fluoranthene	14.939	252	583288	17.786	ng	98
90) Benzo(a)pyrene	15.286	252	302836	10.069	ng	# 97
92) Benzo(g,h,i)perylene	17.162	276	140124	5.688	ng	98

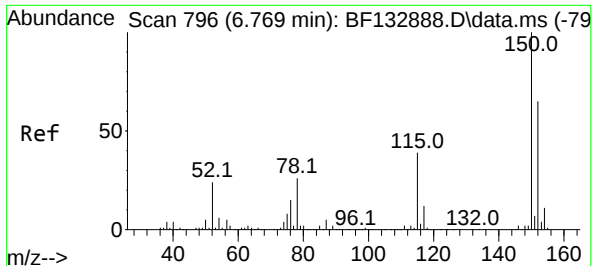
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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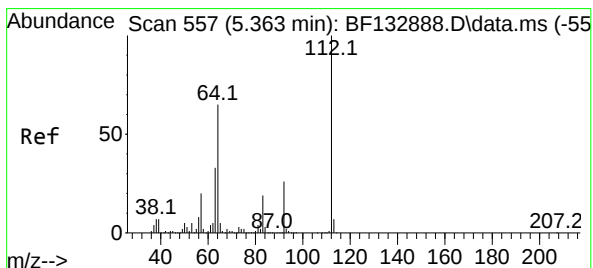
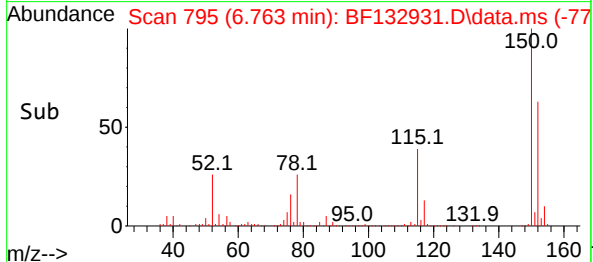
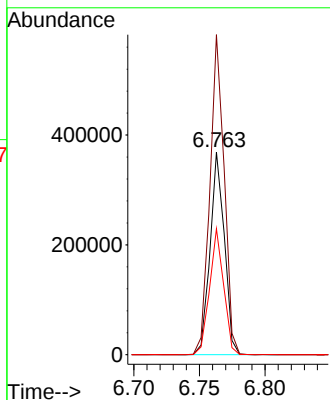
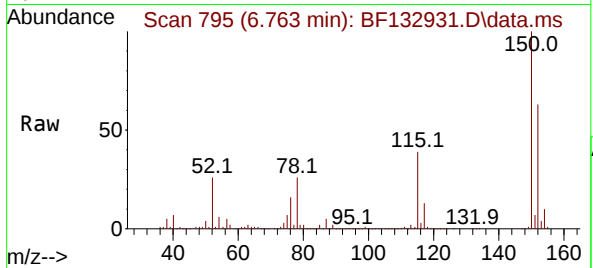




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

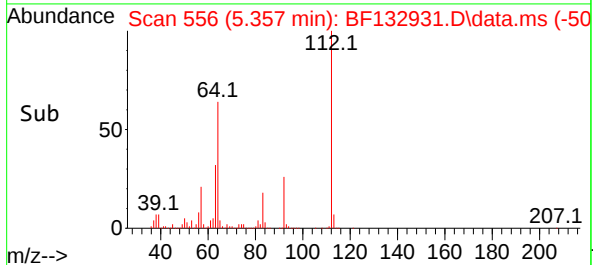
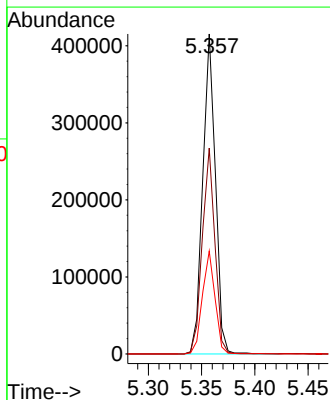
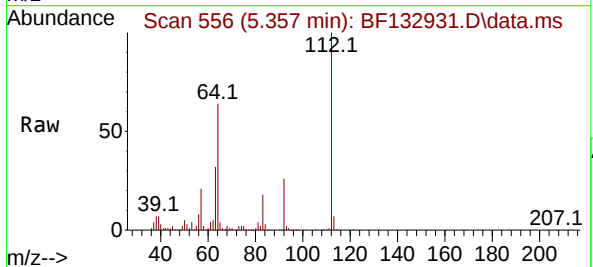
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BNA_F
ClientSampleId :
SB-22-COMP

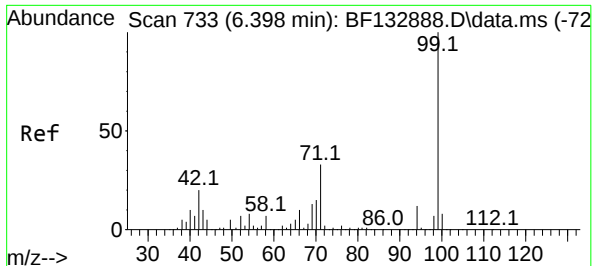
Tgt Ion:152 Resp: 279732
Ion Ratio Lower Upper
152 100
150 158.0 122.8 184.2
115 62.2 47.3 70.9



#5
2-Fluorophenol
Concen: 19.250 ng
RT: 5.357 min Scan# 556
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:112 Resp: 344364
Ion Ratio Lower Upper
112 100
64 64.3 51.8 77.8
63 32.2 26.3 39.5

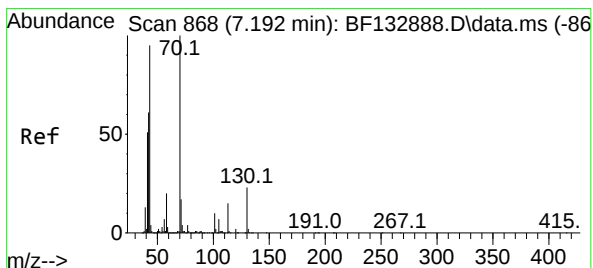
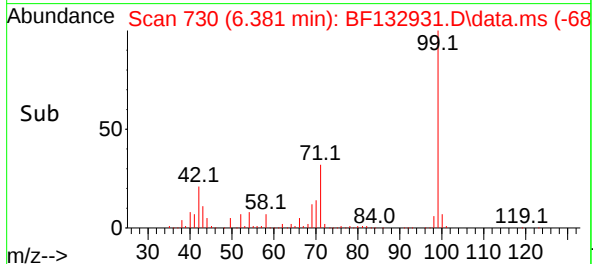
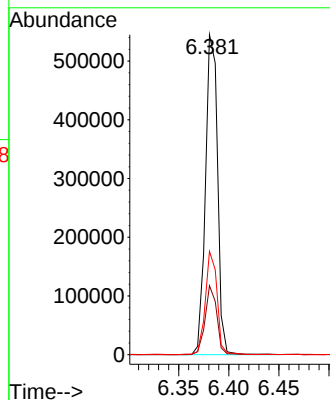
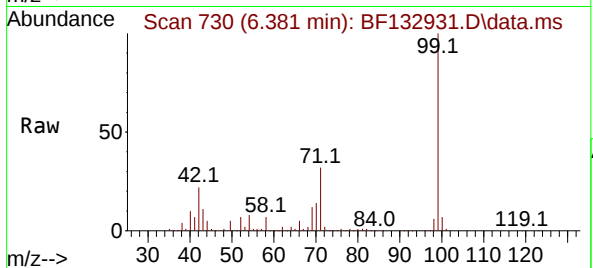




#7
Phenol-d6
Concen: 20.215 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

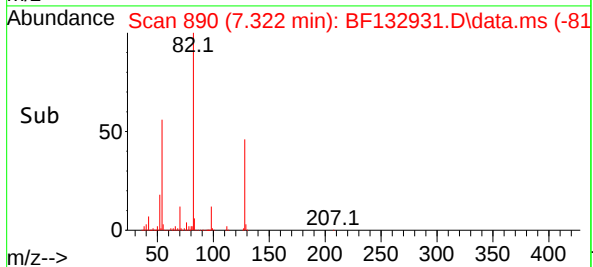
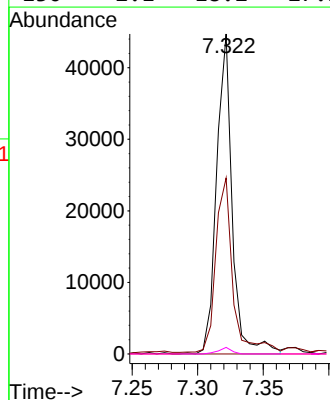
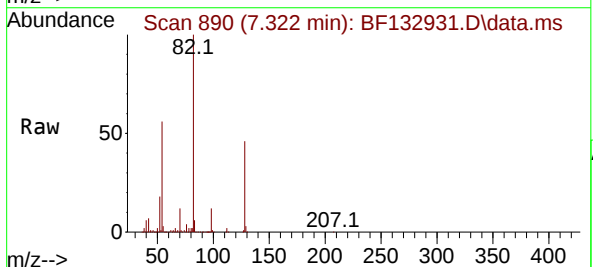
Instrument :
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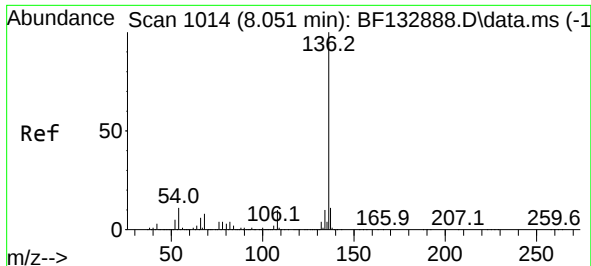
Tgt Ion: 99 Resp: 461469
Ion Ratio Lower Upper
99 100
42 21.5 16.1 24.1
71 32.3 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 2.600 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.129 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion: 70 Resp: 37045
Ion Ratio Lower Upper
70 100
42 55.0 49.0 73.6
101 0.0 8.1 12.1#
130 2.1 18.2 27.2#

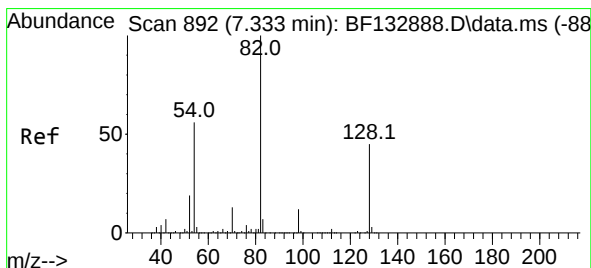
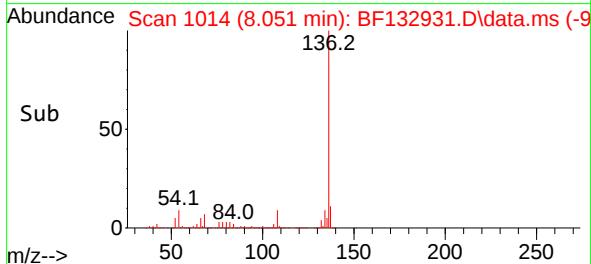
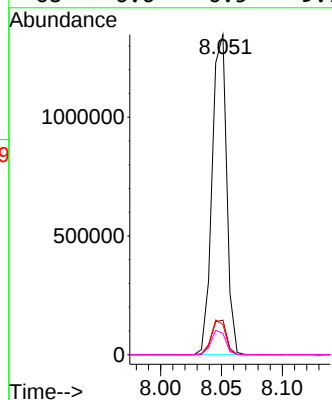
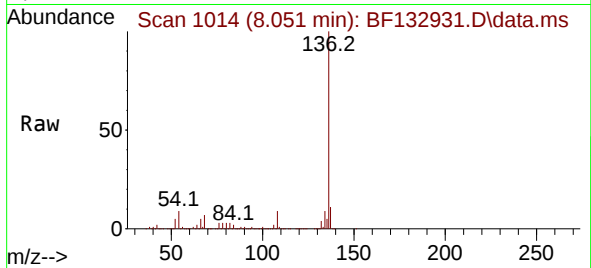




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

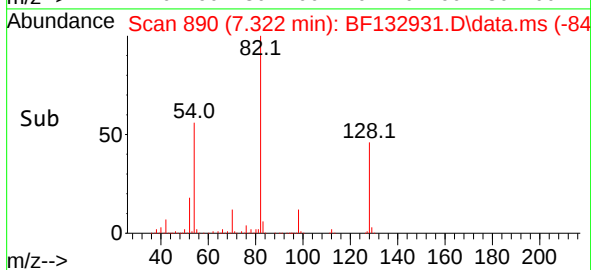
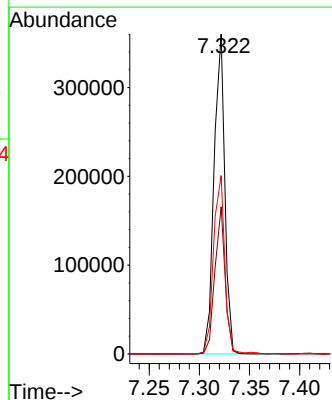
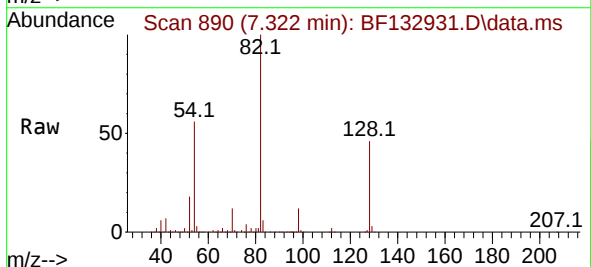
Instrument :
BNA_F
ClientSampleId :
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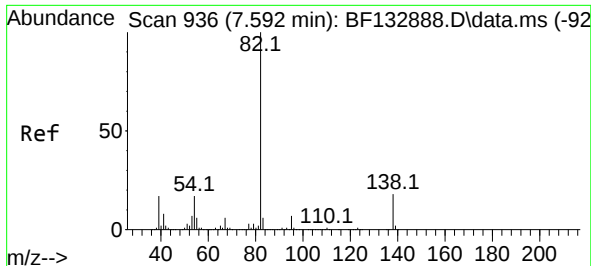
Tgt Ion:136 Resp: 1122200
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.4 8.9 13.3
68 6.6 6.5 9.7



#23
Nitrobenzene-d5
Concen: 12.509 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion: 82 Resp: 269314
Ion Ratio Lower Upper
82 100
128 46.0 35.7 53.5
54 55.7 44.7 67.1

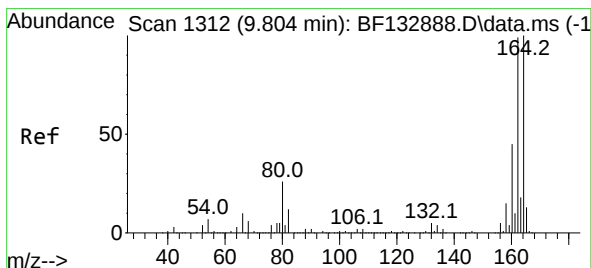
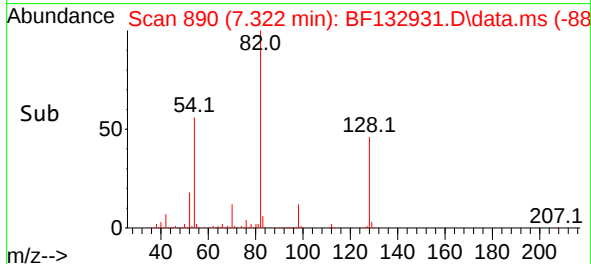
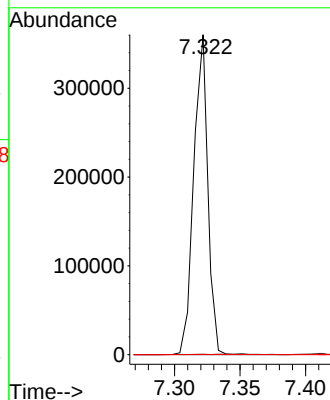
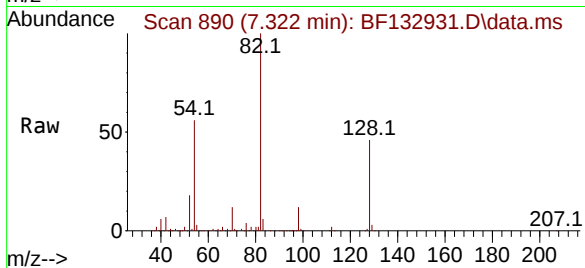




#25
Isophorone
Concen: 6.572 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.271 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

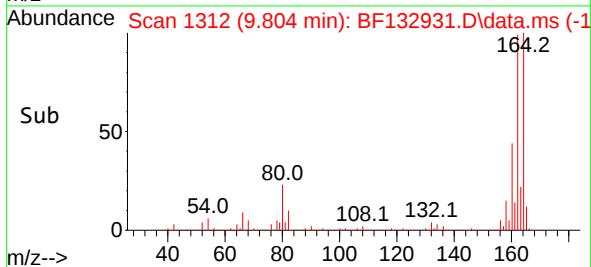
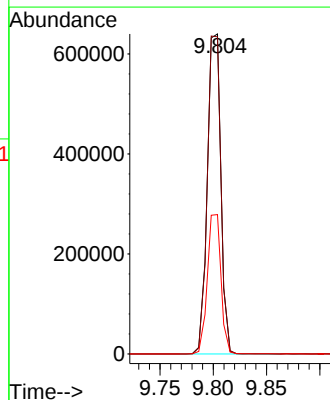
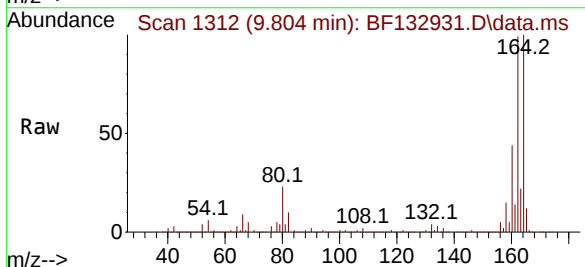
Instrument :
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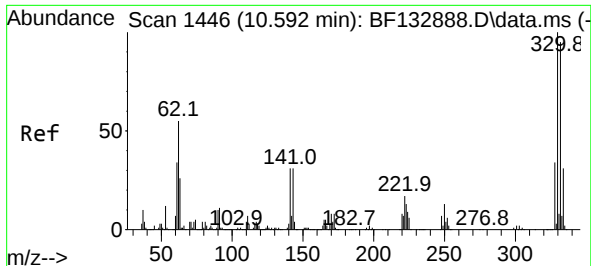
Tgt Ion: 82 Resp: 268389
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion: 164 Resp: 568070
Ion Ratio Lower Upper
164 100
162 99.1 79.1 118.7
160 43.5 35.6 53.4

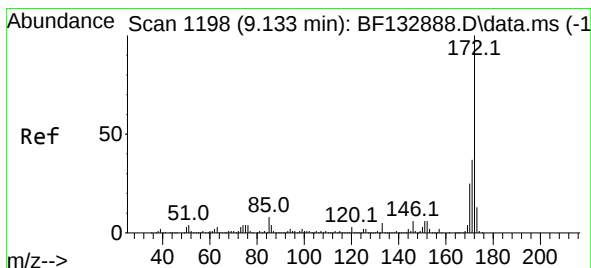
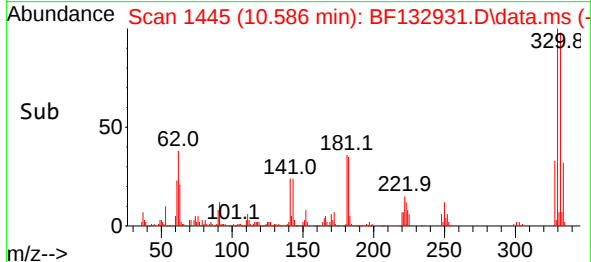
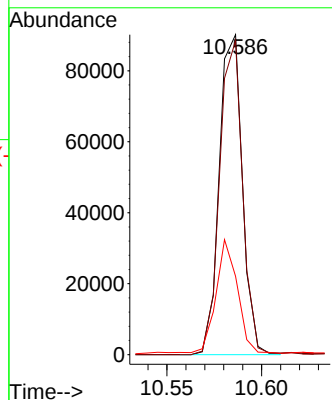
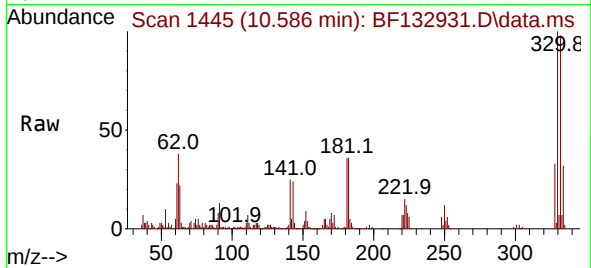




#42
2,4,6-Tribromophenol
Concen: 13.471 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

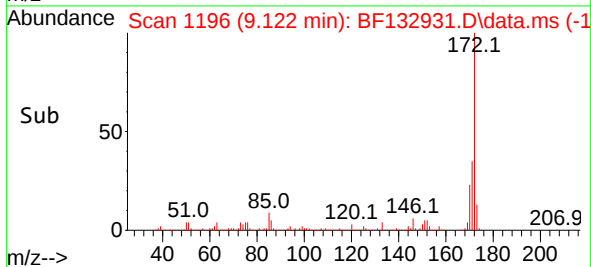
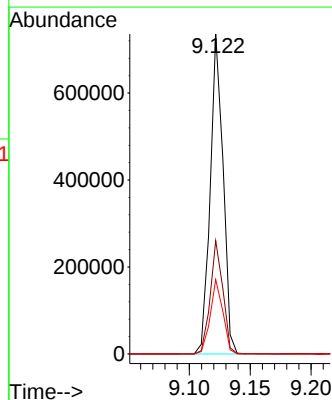
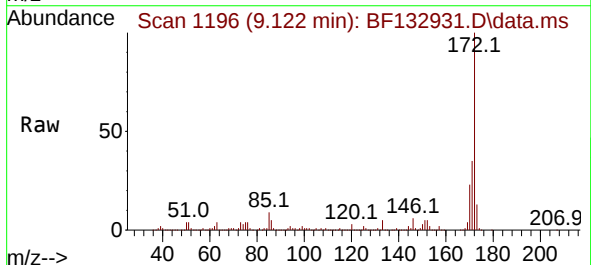
Instrument :
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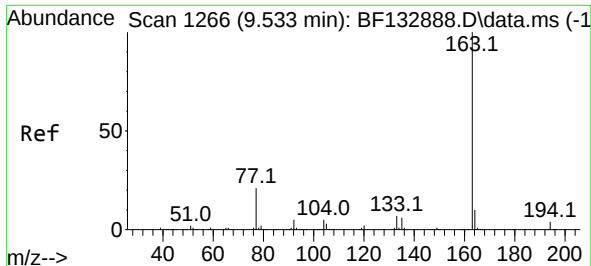
Tgt Ion:330 Resp: 76757
Ion Ratio Lower Upper
330 100
332 97.7 76.3 114.5
141 34.1 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 14.546 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:172 Resp: 537879
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.3 20.1 30.1

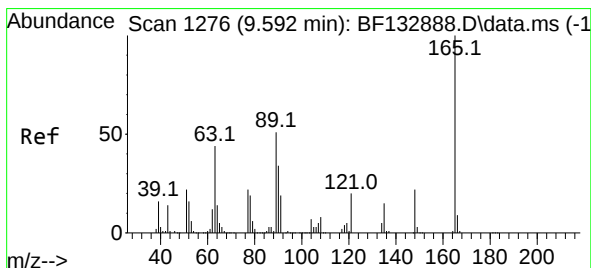
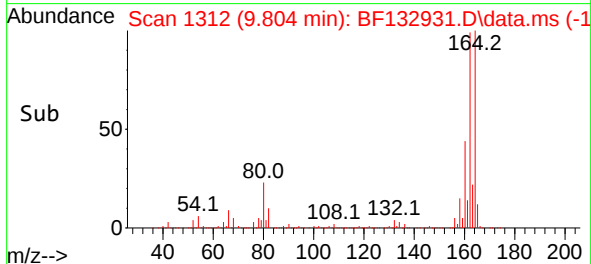
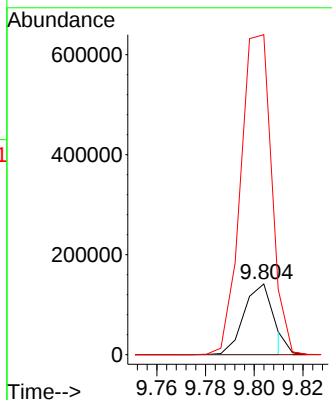
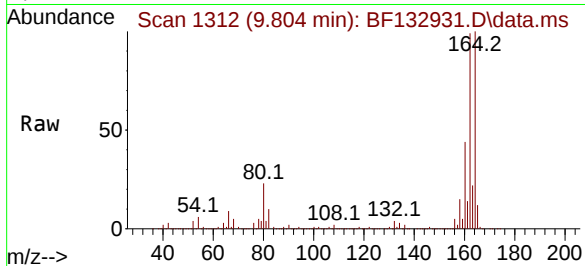




#50
Dimethylphthalate
Concen: 3.019 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

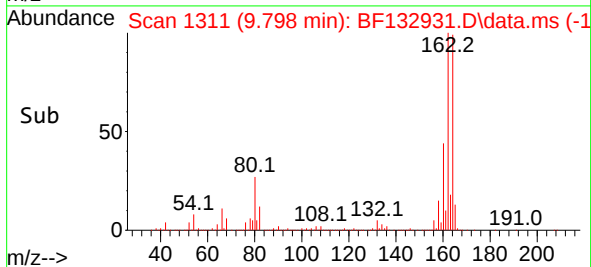
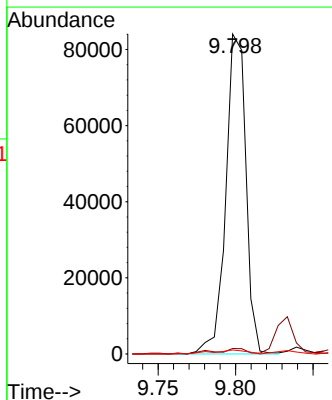
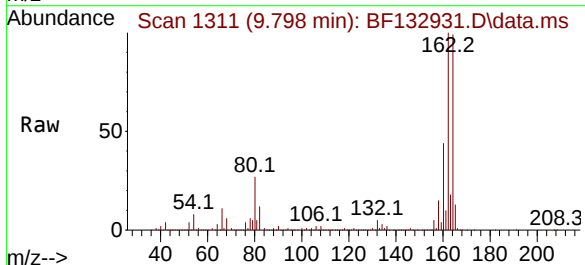
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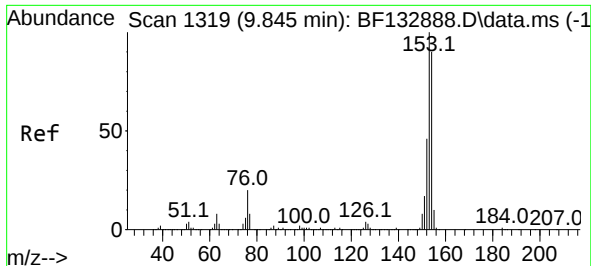
Tgt Ion:163 Resp: 118554
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 452.2 8.3 12.5#



#51
2,6-Dinitrotoluene
Concen: 8.812 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:165 Resp: 75875
Ion Ratio Lower Upper
165 100
63 1.7 42.6 63.8#
89 1.2 41.0 61.4#

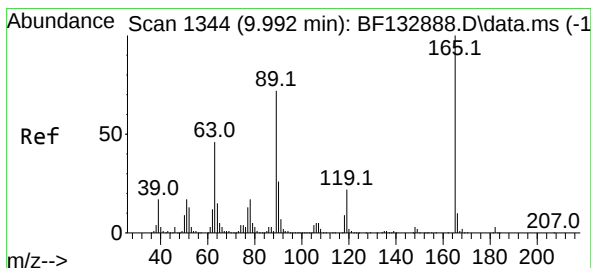
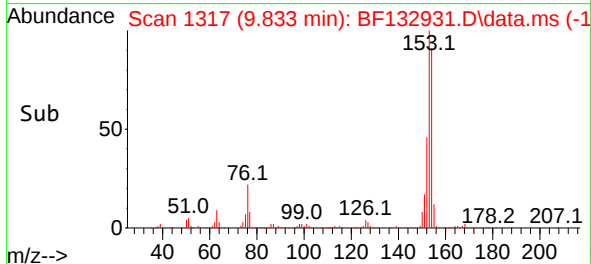
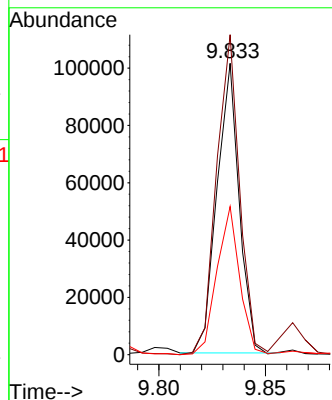
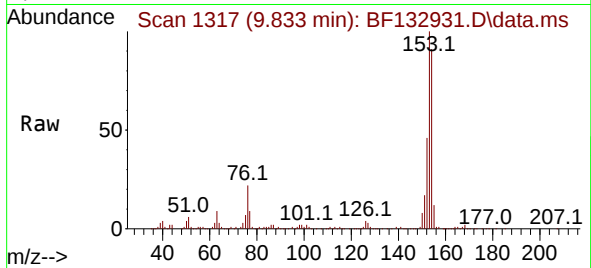




#52
Acenaphthene
Concen: 2.136 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

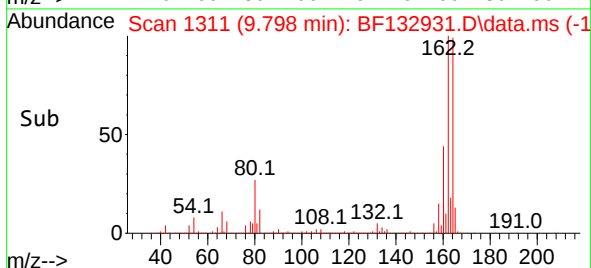
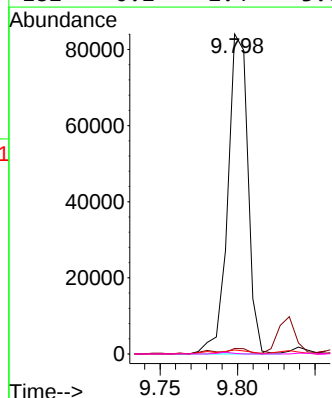
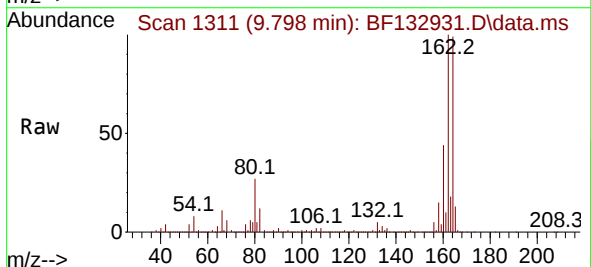
Instrument :
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SB-22-COMP

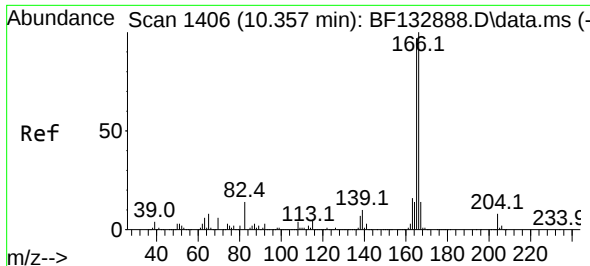
Tgt Ion:154 Resp: 73153
Ion Ratio Lower Upper
154 100
153 109.8 88.8 133.2
152 50.8 41.2 61.8



#57
2,4-Dinitrotoluene
Concen: 7.140 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:165 Resp: 75875
Ion Ratio Lower Upper
165 100
63 1.7 37.0 55.6#
89 1.2 57.8 86.6#
182 0.2 2.4 3.6#

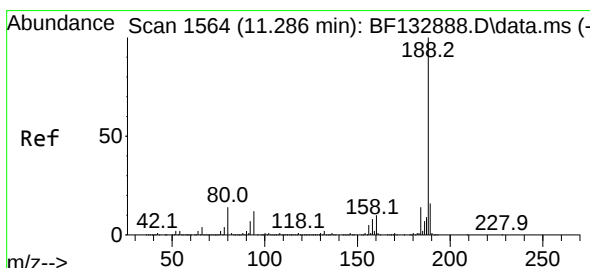
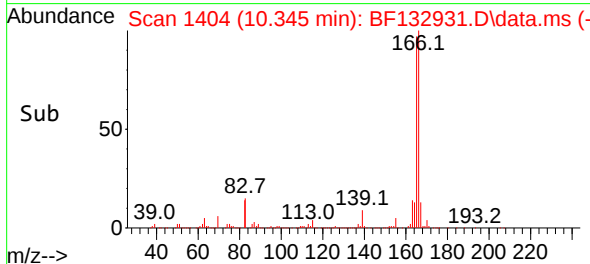
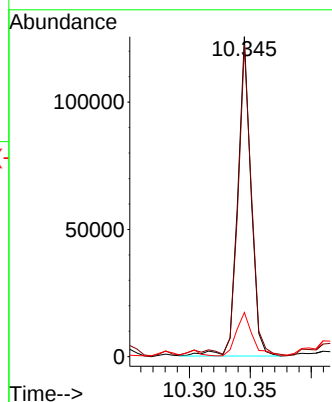
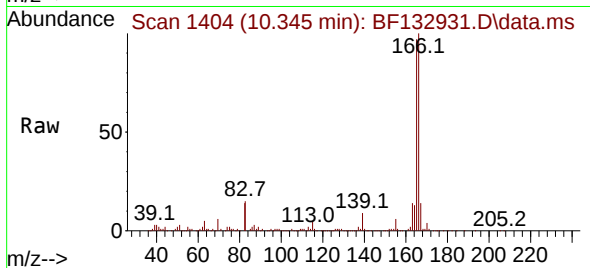




#58
 Fluorene
 Concen: 2.662 ng
 RT: 10.345 min Scan# 1406
 Delta R.T. -0.012 min
 Lab File: BF132931.D
 Acq: 20 Apr 2023 01:19

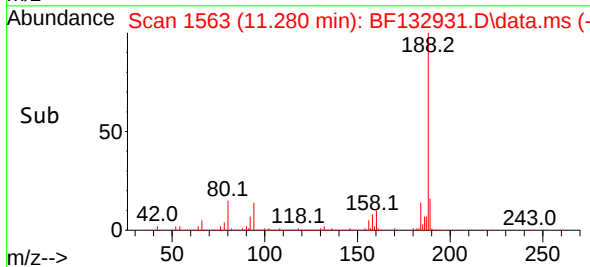
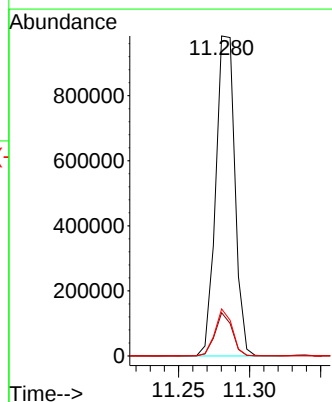
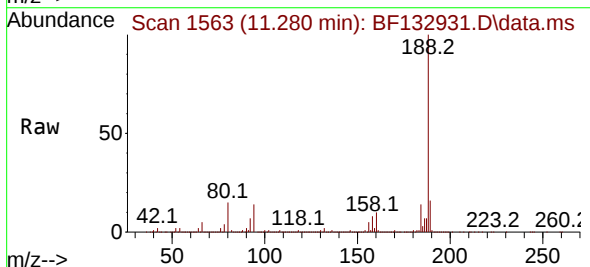
Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

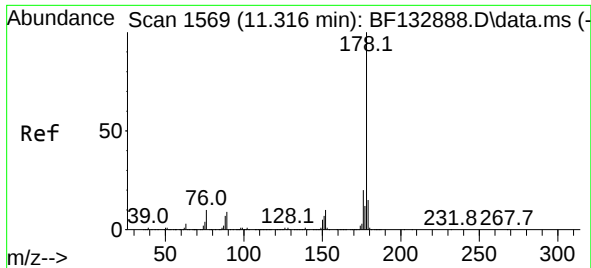
Tgt Ion:166 Resp: 94770
 Ion Ratio Lower Upper
 166 100
 165 97.3 78.0 117.0
 167 13.8 11.0 16.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.280 min Scan# 1563
 Delta R.T. -0.006 min
 Lab File: BF132931.D
 Acq: 20 Apr 2023 01:19

Tgt Ion:188 Resp: 918149
 Ion Ratio Lower Upper
 188 100
 94 13.5 9.9 14.9
 80 14.7 10.8 16.2

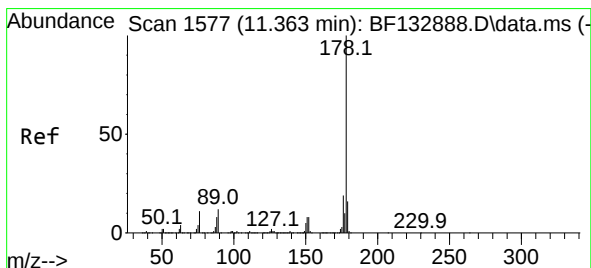
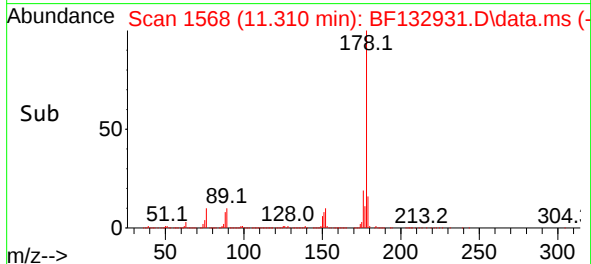
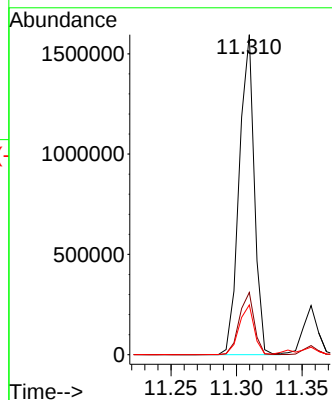
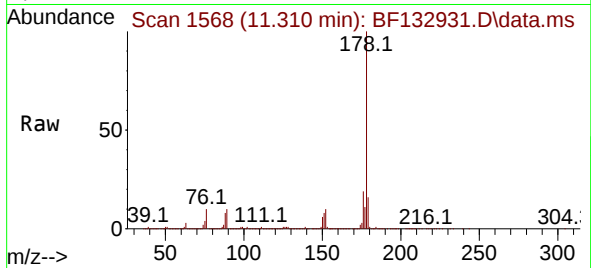




#71
Phenanthrene
Concen: 25.915 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

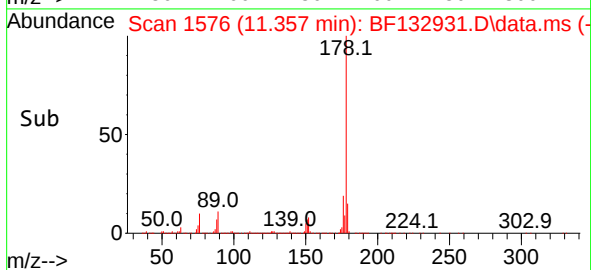
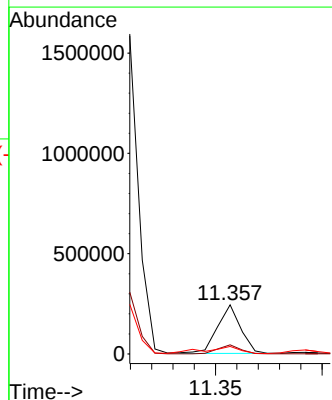
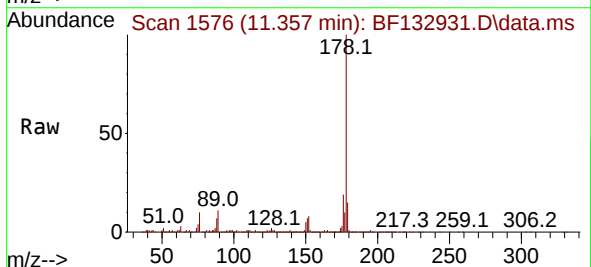
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

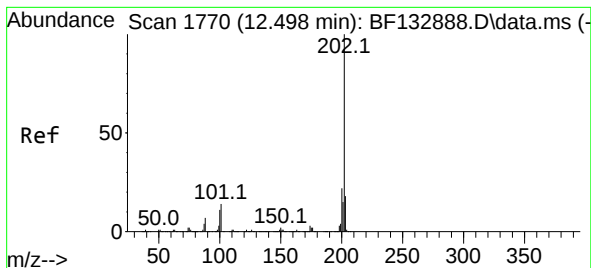
Tgt Ion:178 Resp: 1279868
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.6 12.3 18.5



#72
Anthracene
Concen: 3.612 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:178 Resp: 182624
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.3 12.8 19.2





#75

Fluoranthene

Concen: 23.170 ng

RT: 12.498 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

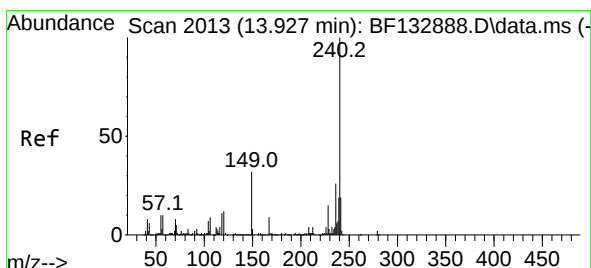
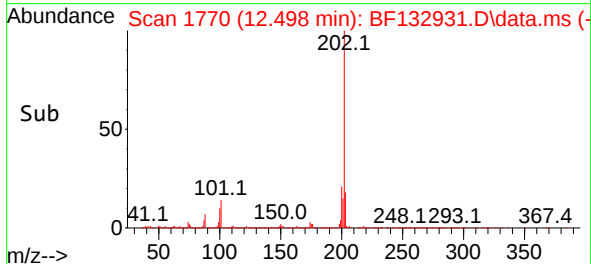
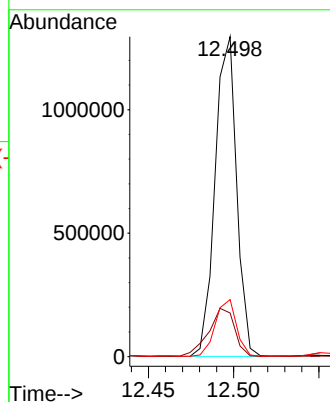
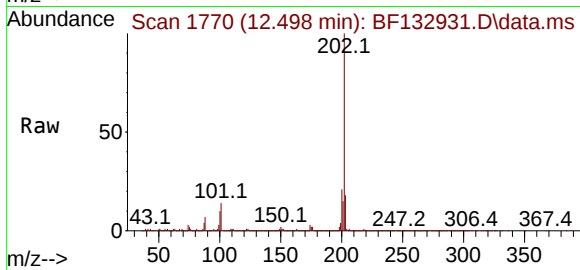
Tgt Ion:202 Resp: 1137916

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.5

203 17.9 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

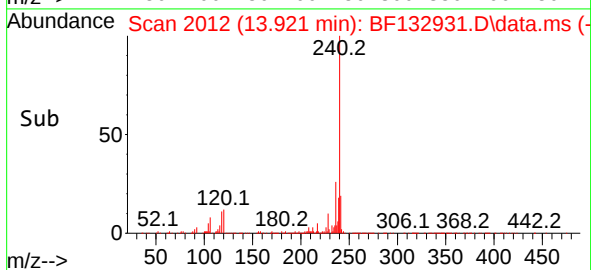
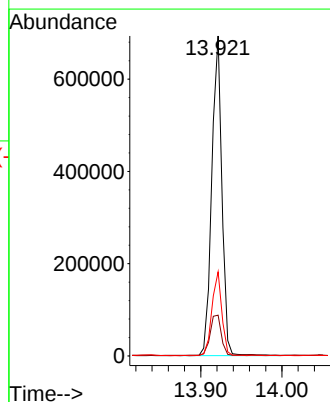
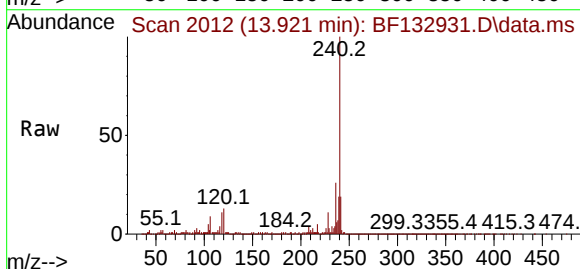
Tgt Ion:240 Resp: 597680

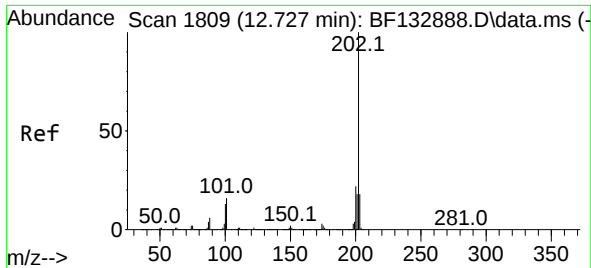
Ion Ratio Lower Upper

240 100

120 12.7 10.0 15.0

236 26.3 20.8 31.2

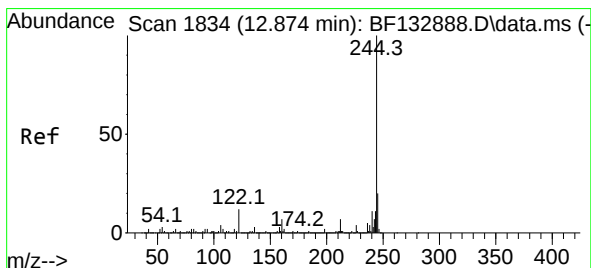
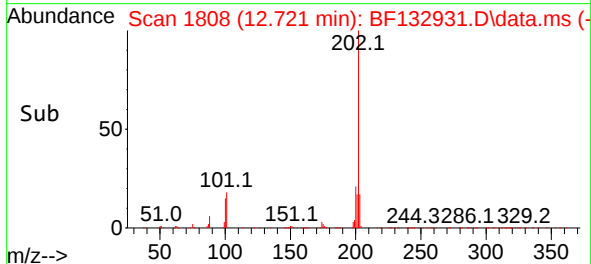
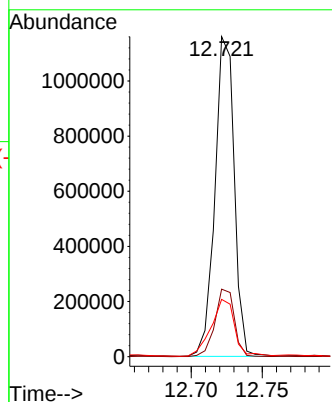
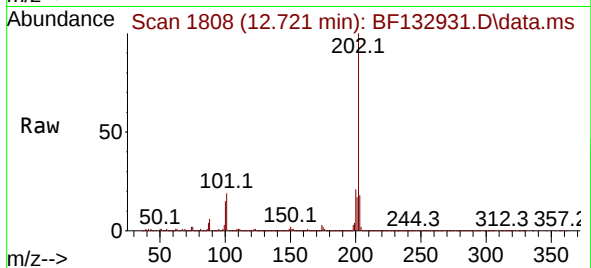




#78
Pyrene
Concen: 22.432 ng
RT: 12.721 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

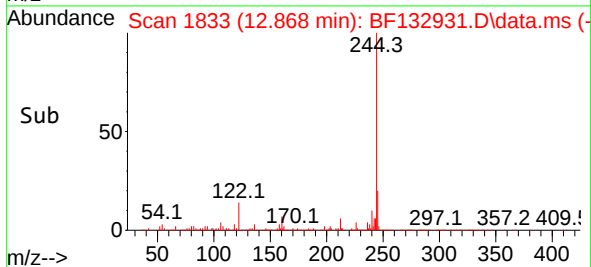
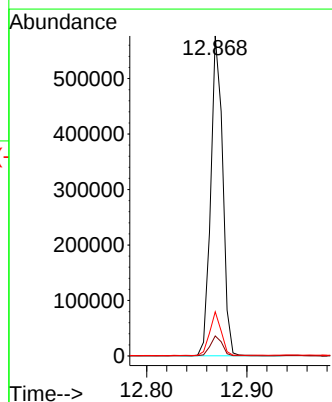
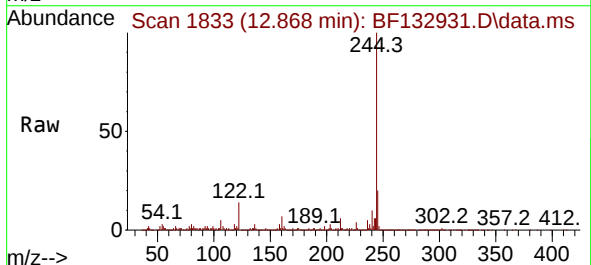
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

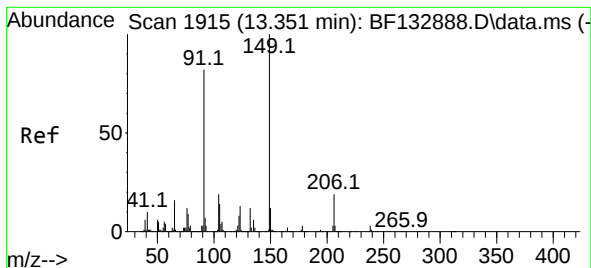
Tgt Ion:202 Resp: 1096293
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.9 14.6 22.0



#79
Terphenyl-d14
Concen: 13.667 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:244 Resp: 478781
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 13.8 9.6 14.4





#80

Butylbenzylphthalate

Concen: 5.557 ng

RT: 13.127 min Scan# 1

Delta R.T. -0.224 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

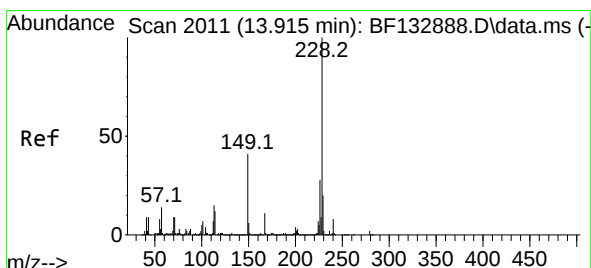
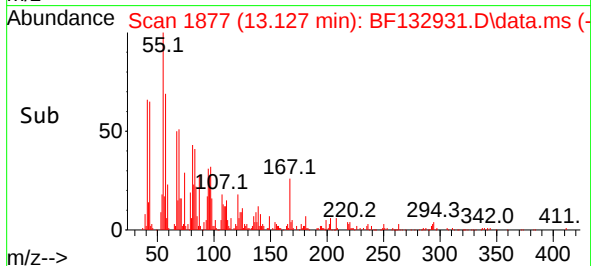
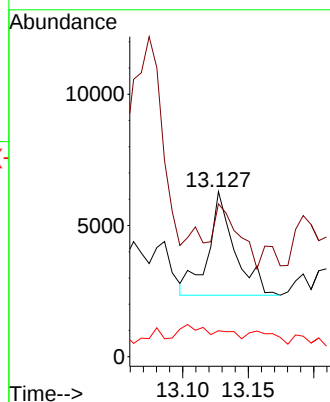
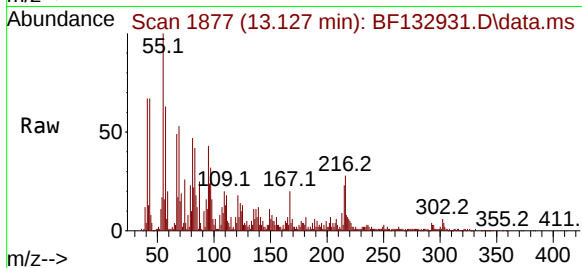
Tgt Ion:149 Resp: 5589

Ion Ratio Lower Upper

149 100

91 92.5 65.4 98.0

206 15.7 15.6 23.4



#81

Benzo(a)anthracene

Concen: 11.109 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

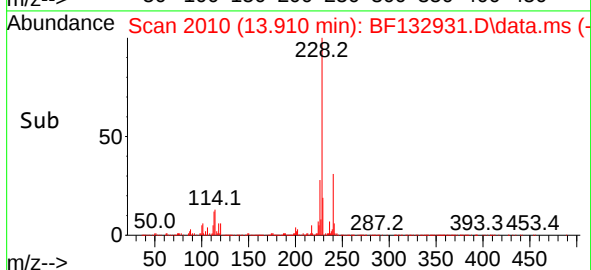
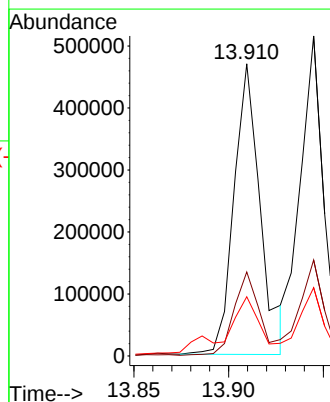
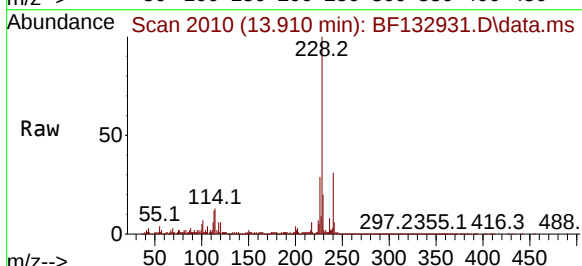
Tgt Ion:228 Resp: 451543

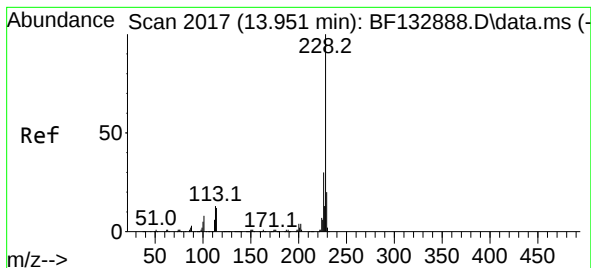
Ion Ratio Lower Upper

228 100

226 28.8 22.4 33.6

229 20.3 16.2 24.2





#83

Chrysene

Concen: 10.729 ng

RT: 13.945 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

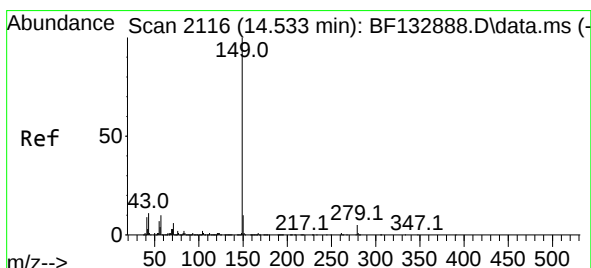
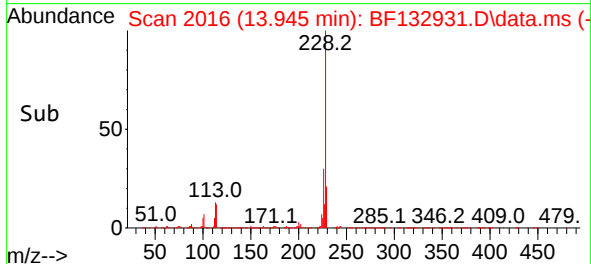
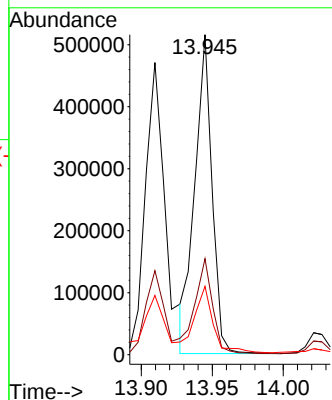
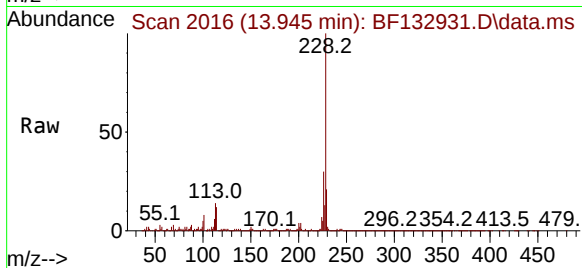
Tgt Ion:228 Resp: 433469

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.3 16.2 24.4



#85

Di-n-octyl phthalate

Concen: 7.428 ng

RT: 14.527 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

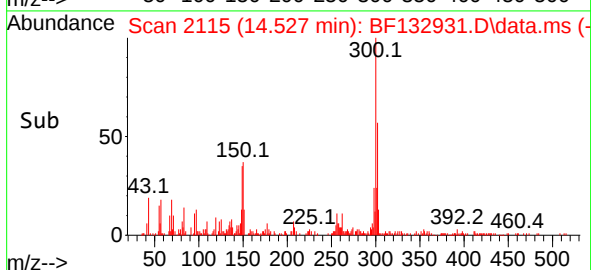
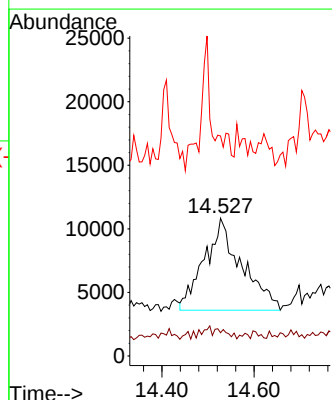
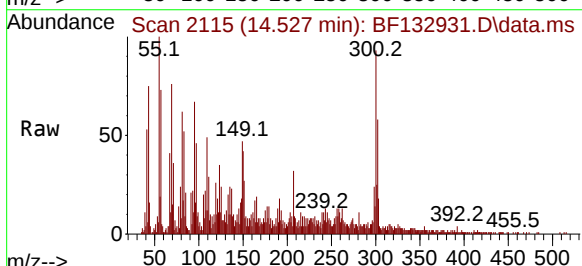
Tgt Ion:149 Resp: 40509

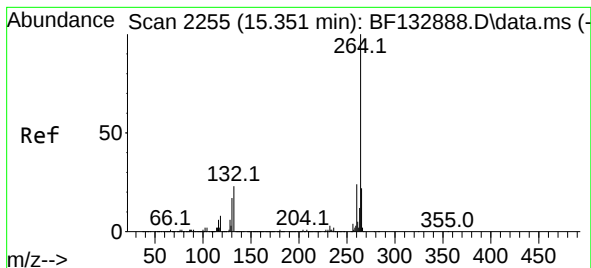
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 11.5 17.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

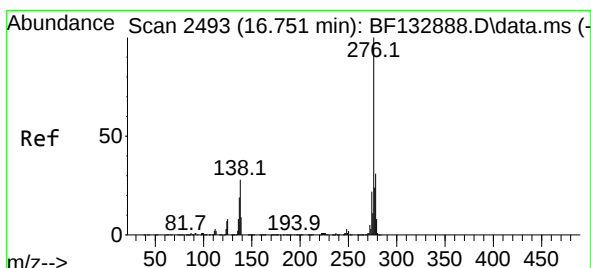
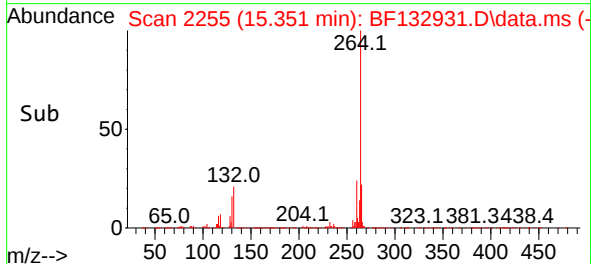
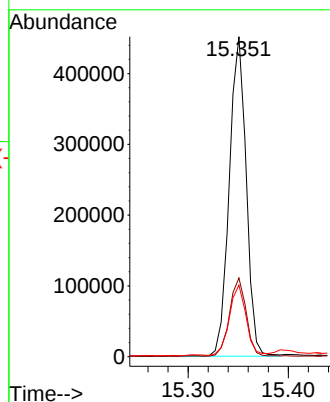
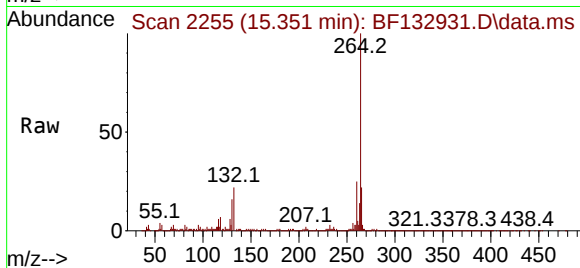
Tgt Ion:264 Resp: 528497

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.6

265 22.4 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.952 ng

RT: 16.739 min Scan# 2491

Delta R.T. -0.012 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

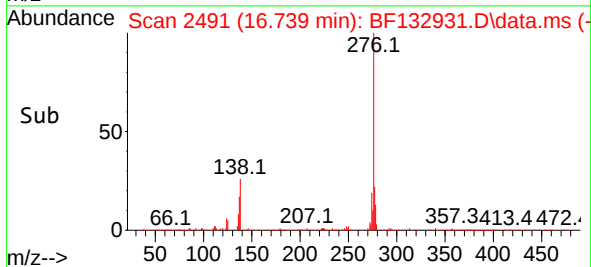
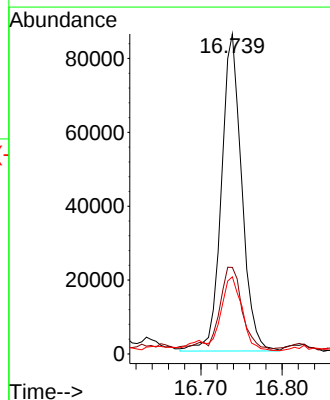
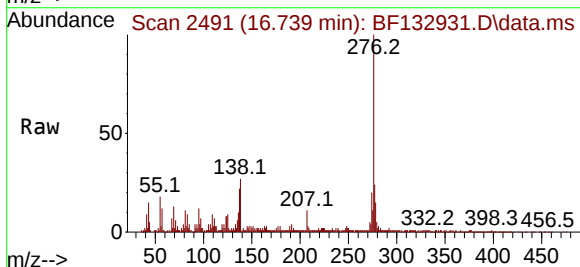
Tgt Ion:276 Resp: 149544

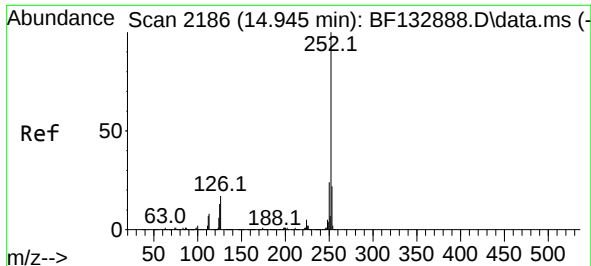
Ion Ratio Lower Upper

276 100

138 29.6 25.5 38.3

277 24.4 20.3 30.5

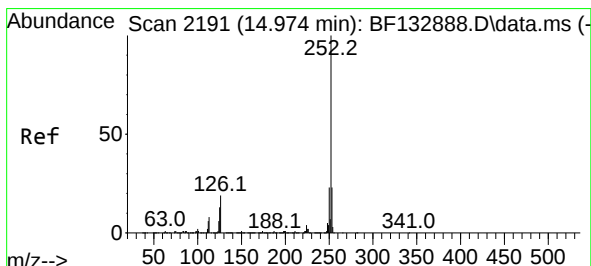
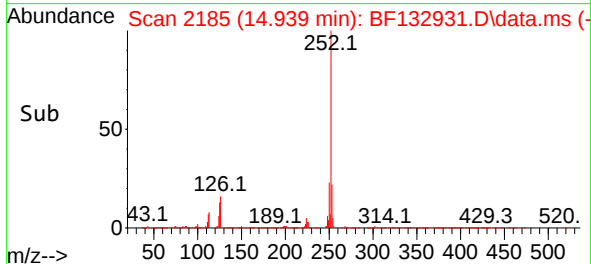
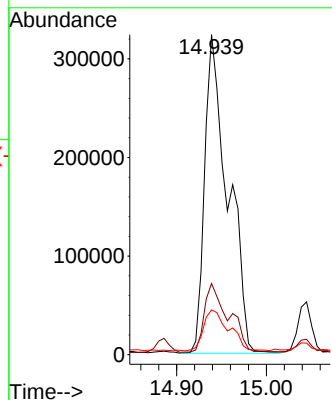
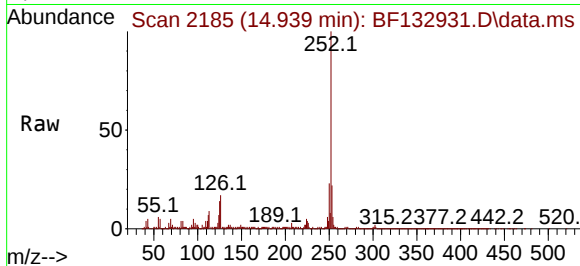




#88
Benzo(b)fluoranthene
Concen: 17.718 ng
RT: 14.939 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

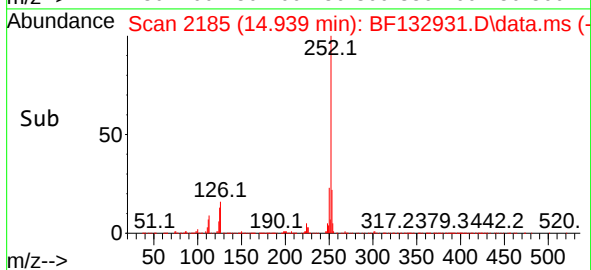
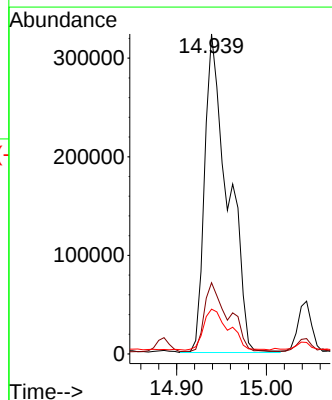
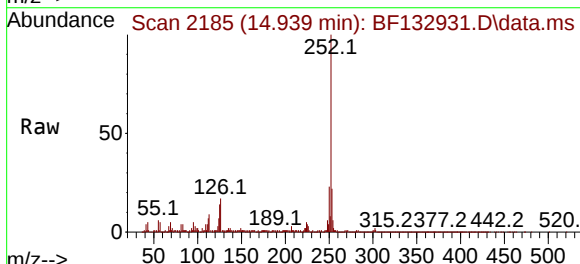
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

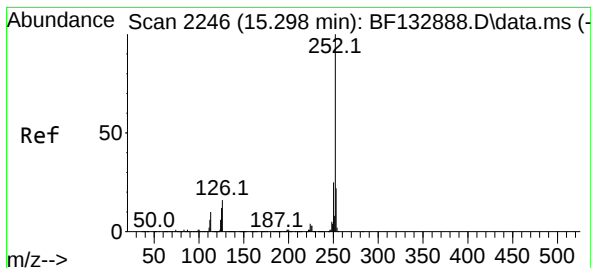
Tgt Ion:252 Resp: 583288
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 14.0 10.0 15.0



#89
Benzo(k)fluoranthene
Concen: 17.786 ng
RT: 14.939 min Scan# 2185
Delta R.T. -0.035 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:252 Resp: 583288
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 14.0 10.0 15.0





#90

Benzo(a)pyrene

Concen: 10.069 ng

RT: 15.286 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

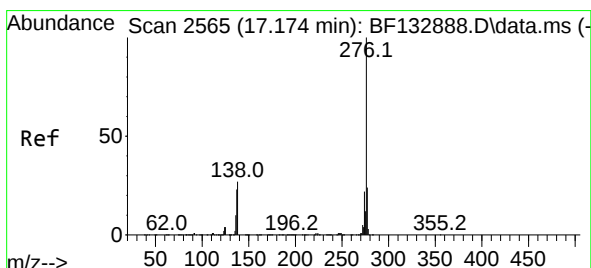
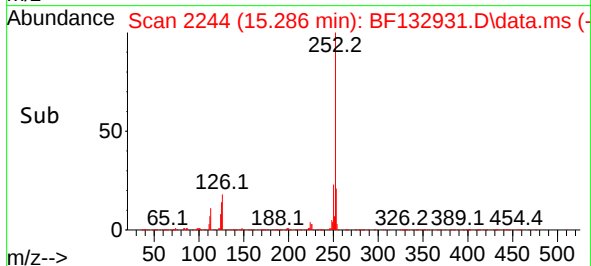
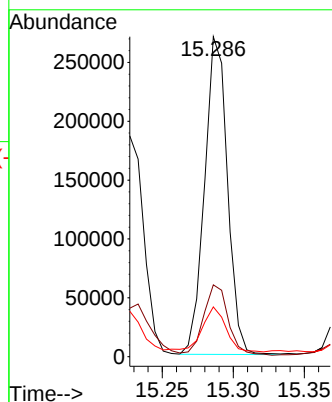
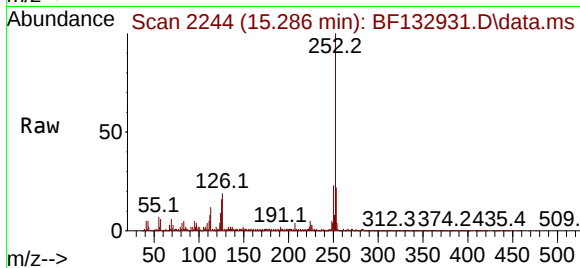
Tgt Ion:252 Resp: 302836

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 15.5 9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 5.688 ng

RT: 17.162 min Scan# 2563

Delta R.T. -0.012 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Tgt Ion:276 Resp: 140124

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 25.7 21.7 32.5

