

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129866.D
 Acq On : 18 Aug 2022 03:04
 Operator : CG\JU
 Sample : N4191-06DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-211DL

Quant Time: Aug 18 05:44:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 05:28:24 2022
 Response via : Initial Calibration

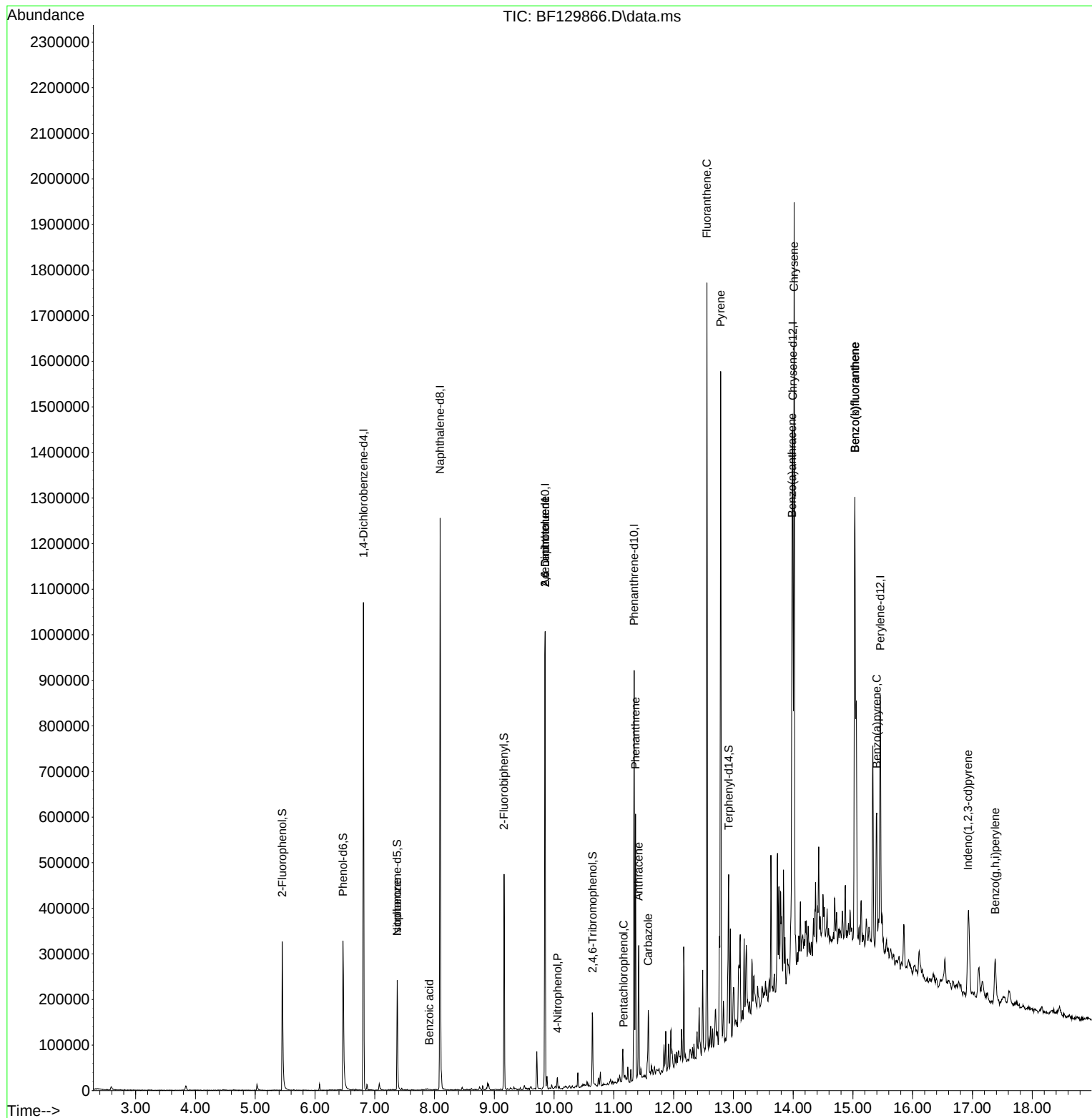
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	146172	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	516523	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	209533	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	299943	20.000	ng	0.00
76) Chrysene-d12	13.992	240	305828	20.000	ng	0.00
86) Perylene-d12	15.457	264	248699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	103675	11.743	ng	0.00
7) Phenol-d6	6.469	99	126685	11.459	ng	0.00
23) Nitrobenzene-d5	7.375	82	74359	7.706	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	18427	8.762	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	128642	9.325	ng	0.00
79) Terphenyl-d14	12.921	244	112887	6.142	ng	0.00
Target Compounds						
9) Benzaldehyde	6.392	77	802	Below Cal	Qvalue	# 27
25) Isophorone	7.375	82	74359	4.478	ng	# 65
32) Benzoic acid	7.910	122	140	2.209	ng	# 13
51) 2,6-Dinitrotoluene	9.851	165	27501	8.440	ng	# 23
56) 4-Nitrophenol	10.057	139	3683	2.297	ng	# 6
57) 2,4-Dinitrotoluene	9.851	165	27501	6.502	ng	# 18
70) Pentachlorophenol	11.163	266	3387	7.959	ng	91
71) Phenanthrene	11.363	178	186785	11.150	ng	99
72) Anthracene	11.416	178	106918	6.418	ng	98
73) Carbazole	11.574	167	56050	3.706	ng	98
75) Fluoranthene	12.557	202	608607	35.504	ng	99
77) Benzidine	12.645	184	534	Below Cal	#	1
78) Pyrene	12.786	202	564607	21.245	ng	99
81) Benzo(a)anthracene	13.980	228	262347	12.470	ng	96
83) Chrysene	14.015	228	655200	33.270	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	88555	5.187	ng	97
88) Benzo(b)fluoranthene	15.033	252	667767	39.212	ng	99
89) Benzo(k)fluoranthene	15.033	252	667767	40.888	ng	98
90) Benzo(a)pyrene	15.398	252	135809	10.127	ng	98
92) Benzo(g,h,i)perylene	17.380	276	73529	5.232	ng	95

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

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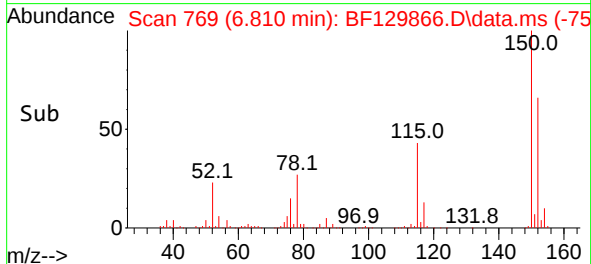
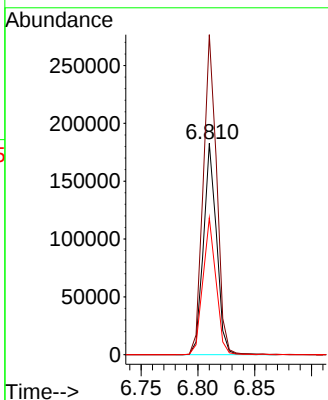
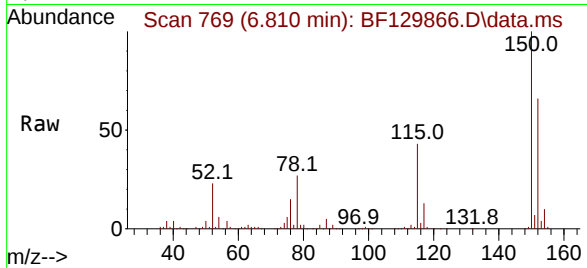




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

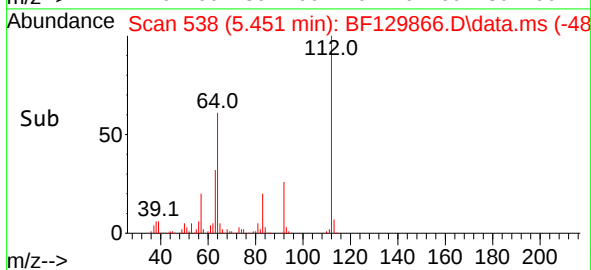
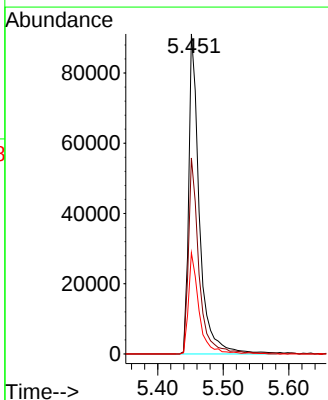
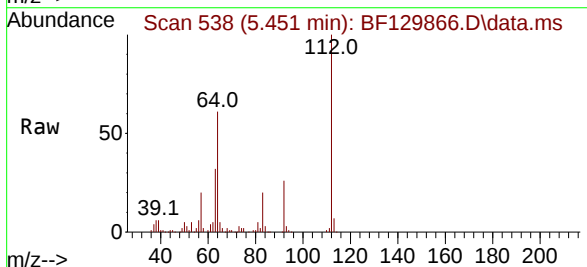
Instrument :
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RO-211DL

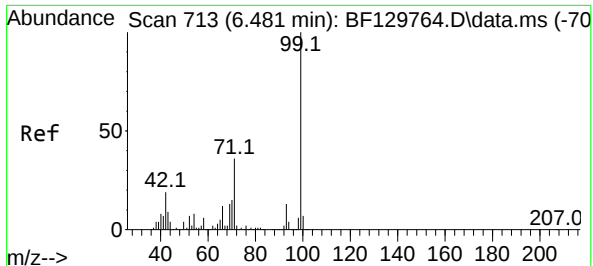
Tgt Ion:152 Resp: 146172
Ion Ratio Lower Upper
152 100
150 151.4 126.9 190.3
115 64.7 53.4 80.0



#5
2-Fluorophenol
Concen: 11.743 ng
RT: 5.451 min Scan# 538
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:112 Resp: 103675
Ion Ratio Lower Upper
112 100
64 61.2 47.6 71.4
63 31.6 24.6 37.0

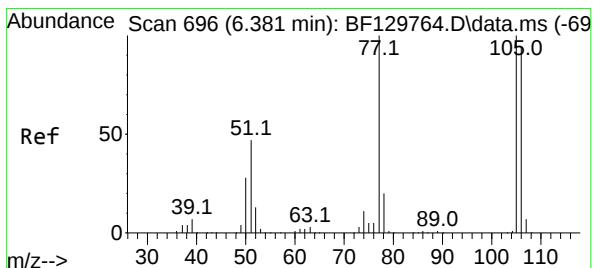
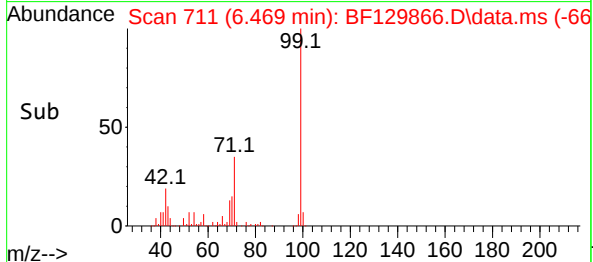
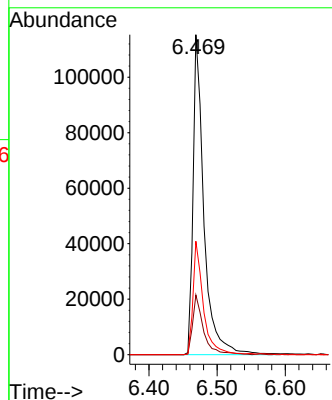
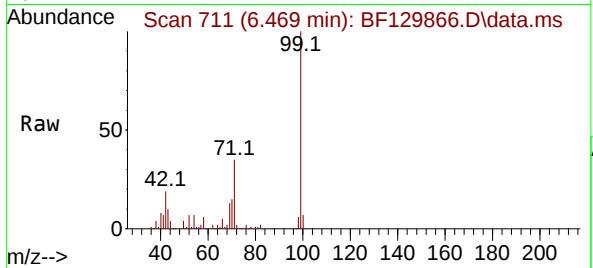




#7
Phenol-d6
Concen: 11.459 ng
RT: 6.469 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

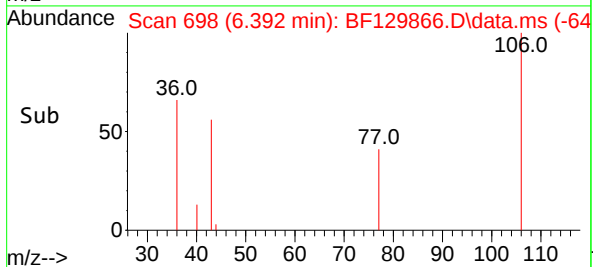
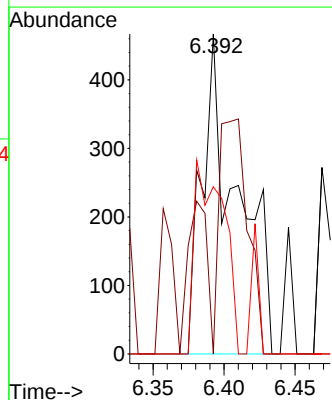
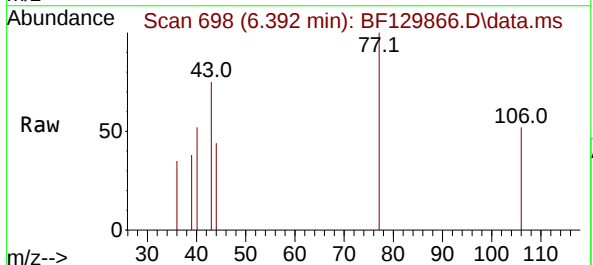
Instrument :
BNA_F
ClientSampleId :
RO-211DL

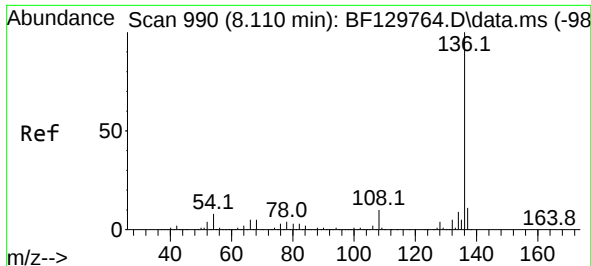
Tgt Ion: 99 Resp: 126685
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 35.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.392 min Scan# 698
Delta R.T. 0.023 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion: 77 Resp: 802
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 52.2 74.3 114.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

Tgt Ion:136 Resp: 516523

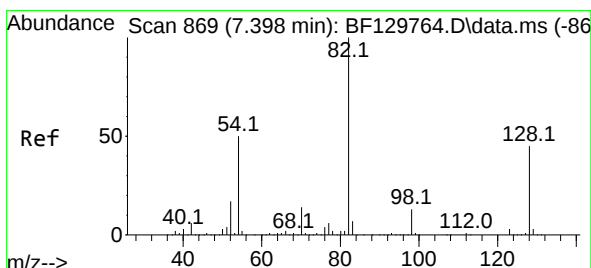
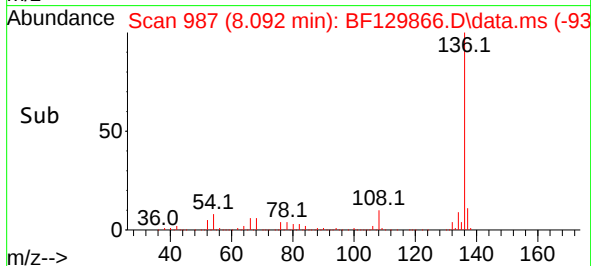
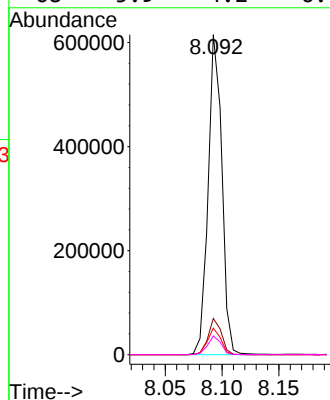
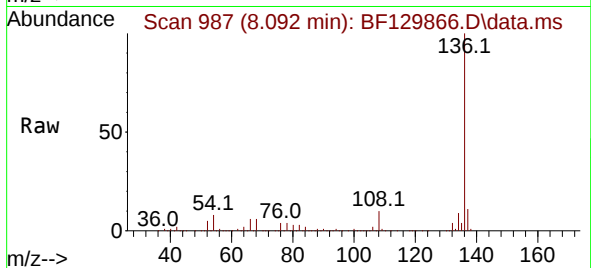
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 8.3 6.2 9.2

68 5.9 4.2 6.4



#23

Nitrobenzene-d5

Concen: 7.706 ng

RT: 7.375 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

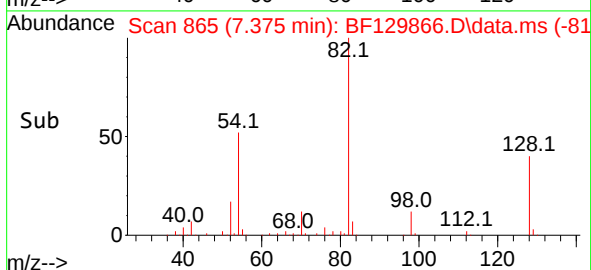
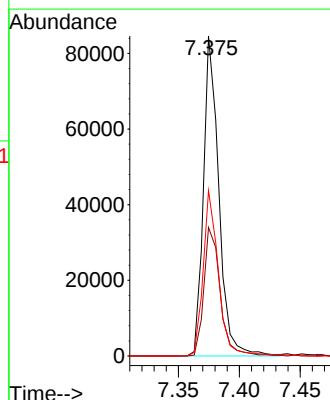
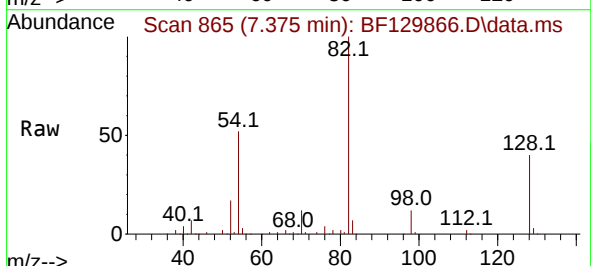
Tgt Ion: 82 Resp: 74359

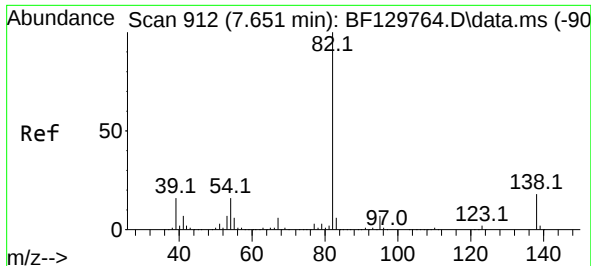
Ion Ratio Lower Upper

82 100

128 40.1 36.1 54.1

54 51.7 40.0 60.0

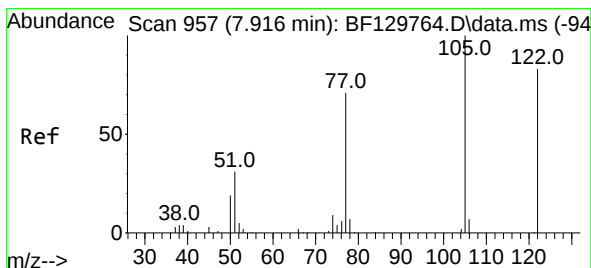
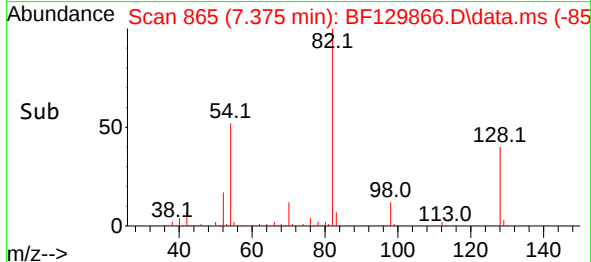
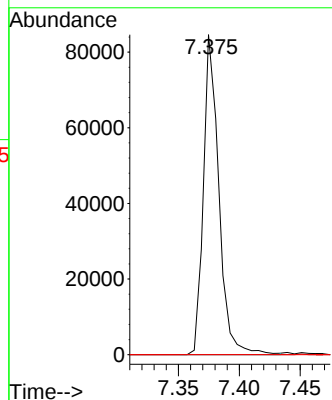
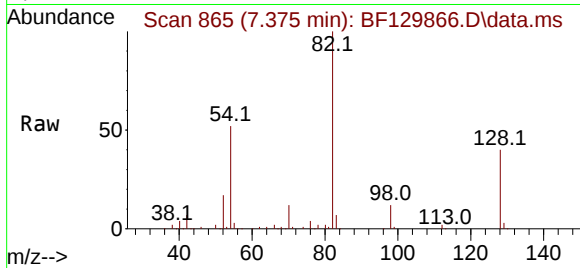




#25
Isophorone
Concen: 4.478 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

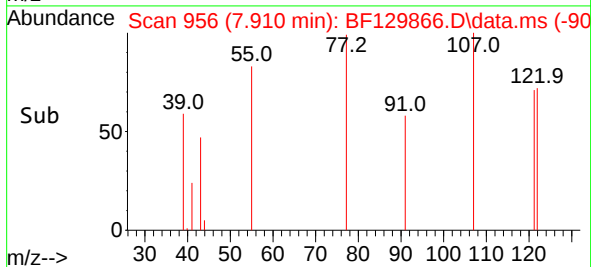
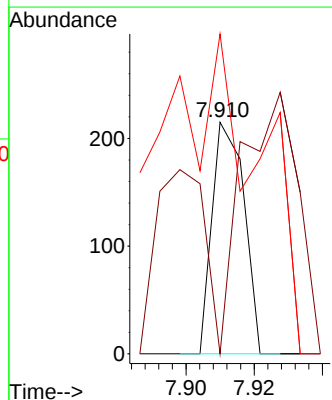
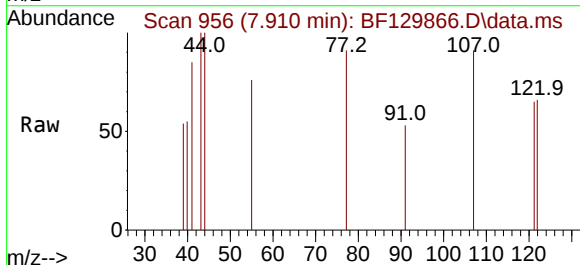
Instrument :
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ClientSampleId :
RO-211DL

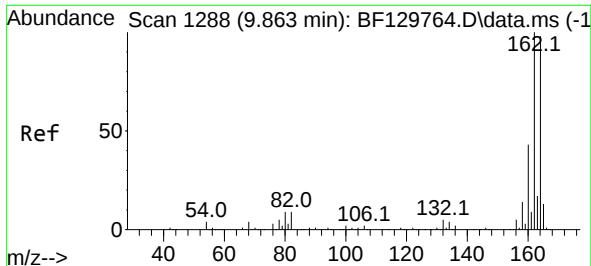
Tgt Ion: 82 Resp: 74359
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 2.209 ng
RT: 7.910 min Scan# 956
Delta R.T. 0.012 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion: 122 Resp: 140
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 138.1 65.9 105.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

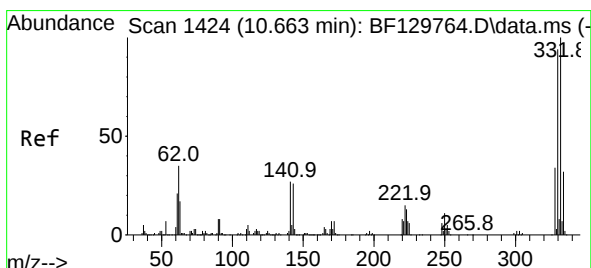
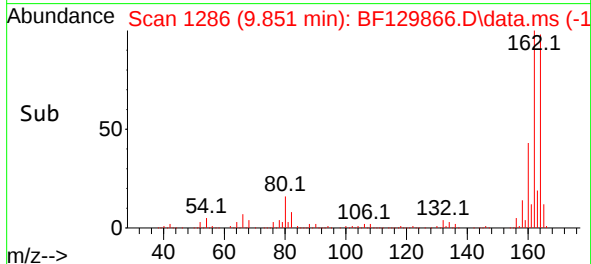
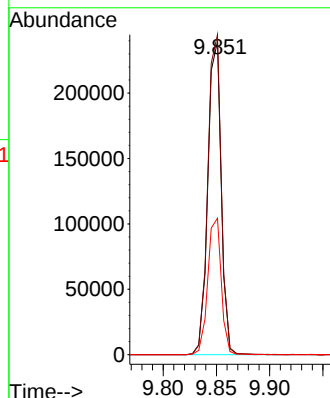
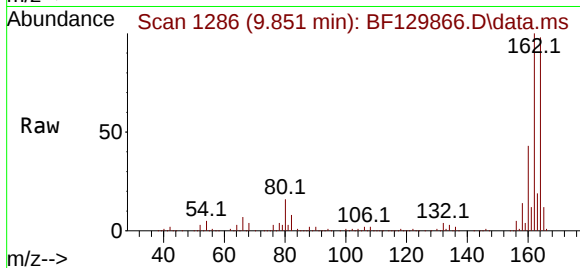
Tgt Ion:164 Resp: 209533

Ion Ratio Lower Upper

164 100

162 102.1 82.0 123.0

160 43.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 8.762 ng

RT: 10.645 min Scan# 1421

Delta R.T. -0.000 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

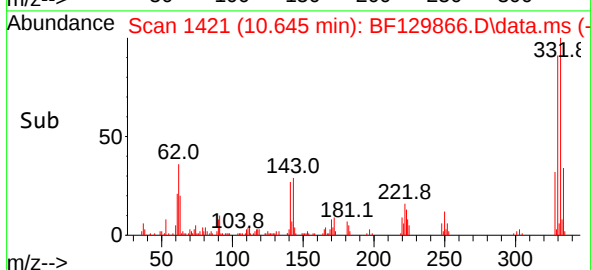
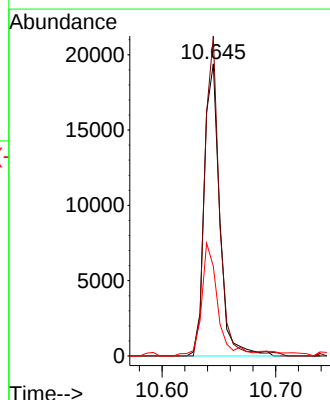
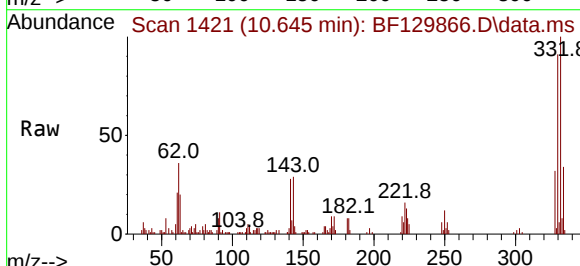
Tgt Ion:330 Resp: 18427

Ion Ratio Lower Upper

330 100

332 102.4 82.6 124.0

141 39.8 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 9.325 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

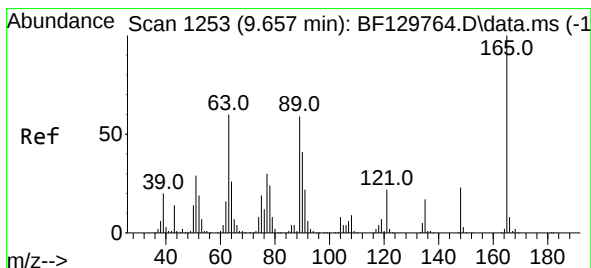
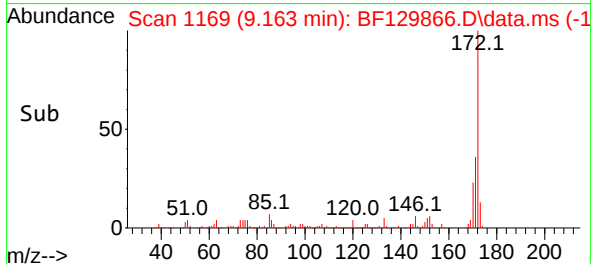
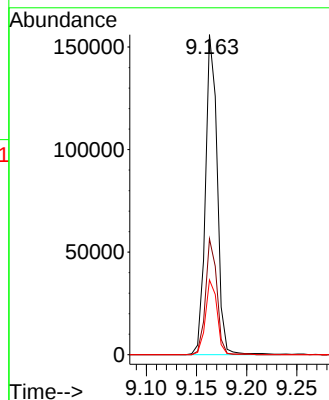
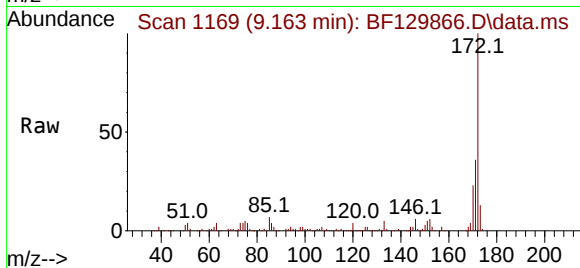
Tgt Ion:172 Resp: 128642

Ion Ratio Lower Upper

172 100

171 36.2 28.4 42.6

170 23.4 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.440 ng

RT: 9.851 min Scan# 1286

Delta R.T. 0.206 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

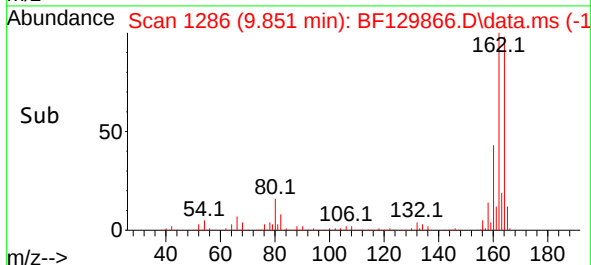
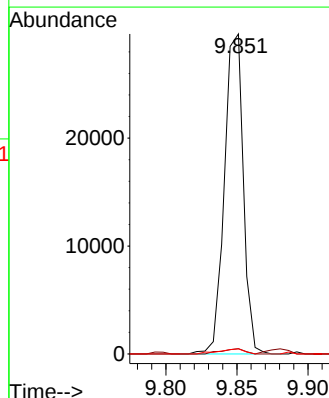
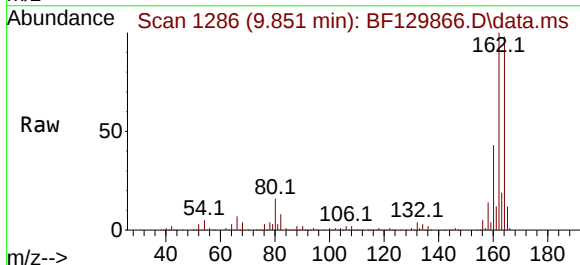
Tgt Ion:165 Resp: 27501

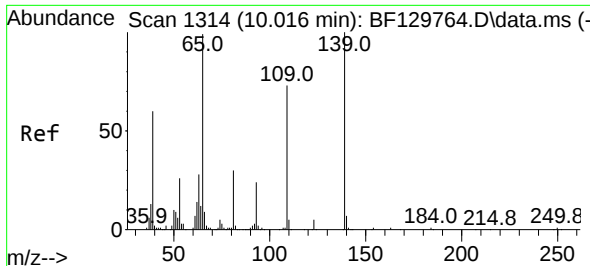
Ion Ratio Lower Upper

165 100

63 1.7 47.8 71.8#

89 1.6 47.2 70.8#

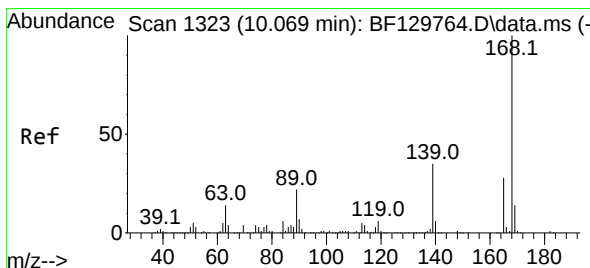
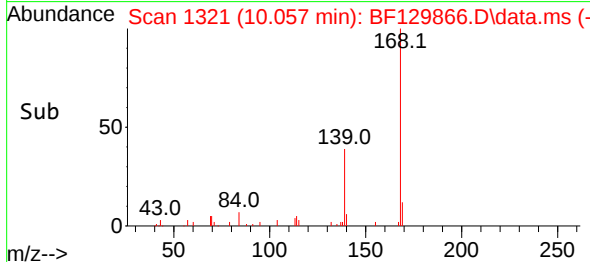
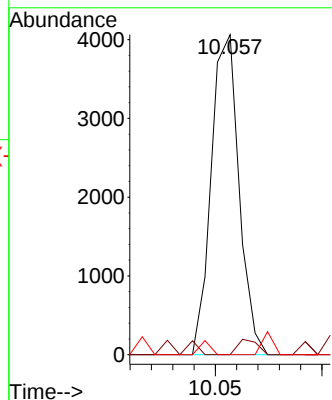
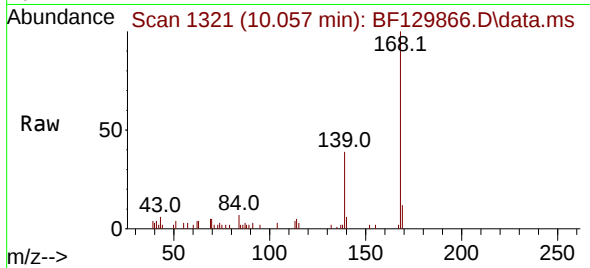




#56
4-Nitrophenol
Concen: 2.297 ng
RT: 10.057 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

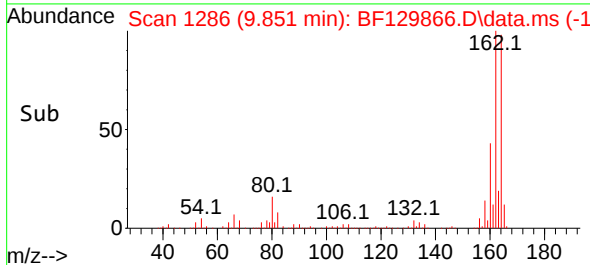
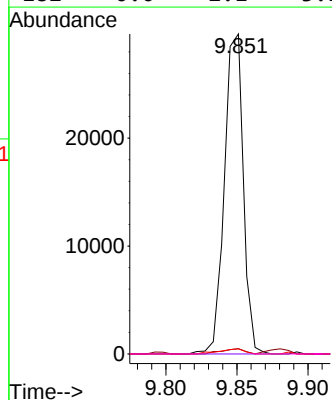
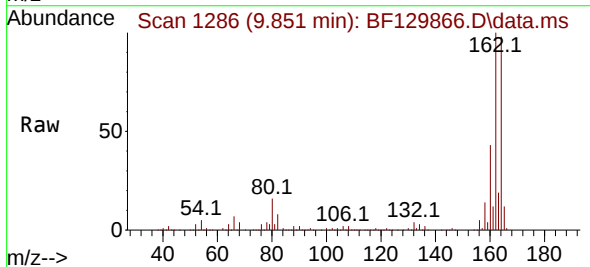
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BNA_F
ClientSampleId :
RO-211DL

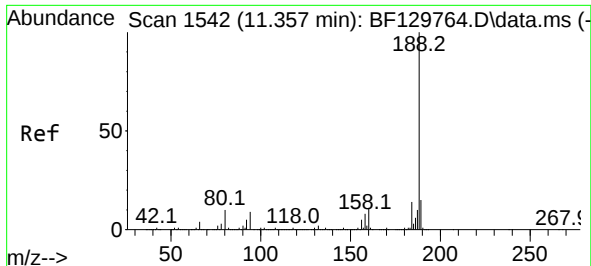
Tgt Ion:139 Resp: 3683
Ion Ratio Lower Upper
139 100
109 0.0 52.9 92.9#
65 0.0 79.5 119.5#



#57
2,4-Dinitrotoluene
Concen: 6.502 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.206 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:165 Resp: 27501
Ion Ratio Lower Upper
165 100
63 1.7 48.4 72.6#
89 1.6 62.3 93.5#
182 0.0 2.1 3.1#

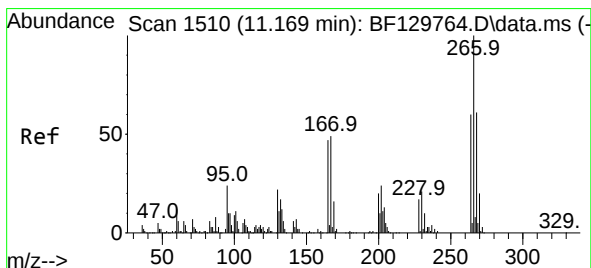
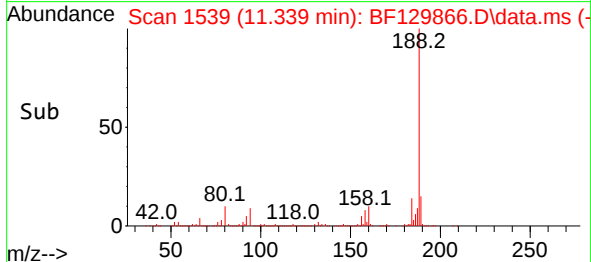
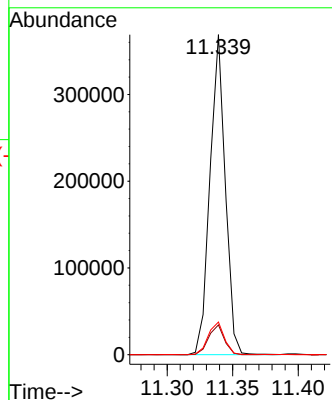
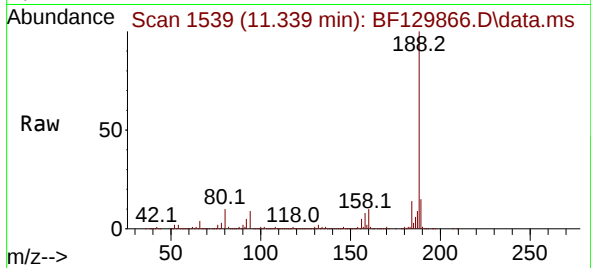




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

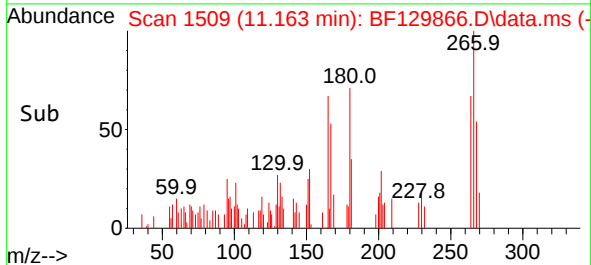
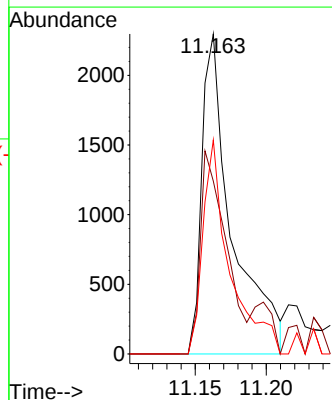
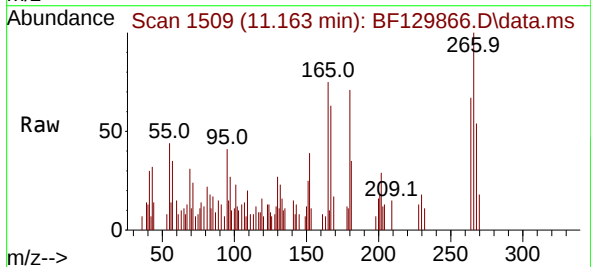
Instrument :
BNA_F
ClientSampleId :
RO-211DL

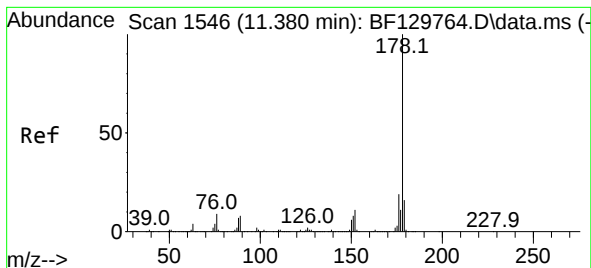
Tgt Ion:188 Resp: 299943
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.2 7.9 11.9



#70
Pentachlorophenol
Concen: 7.959 ng
RT: 11.163 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:266 Resp: 3387
Ion Ratio Lower Upper
266 100
268 54.0 49.0 73.4
264 66.9 47.9 71.9





#71

Phenanthrene

Concen: 11.150 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

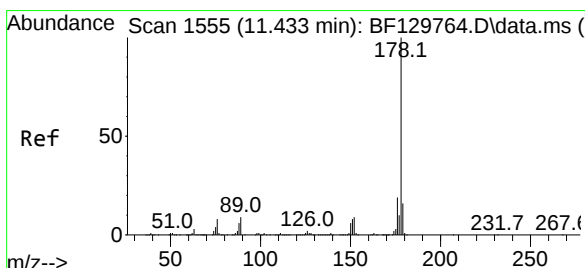
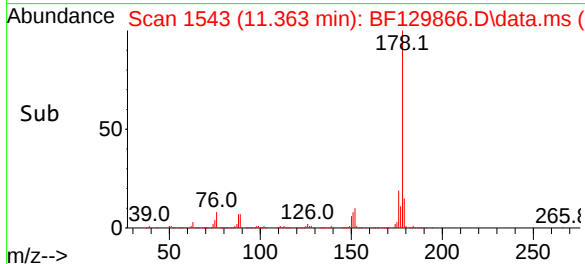
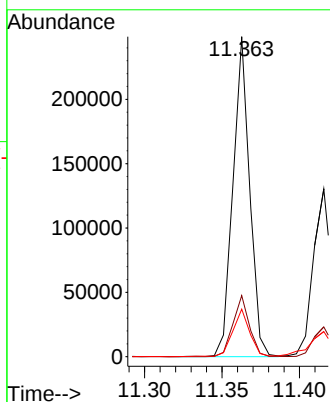
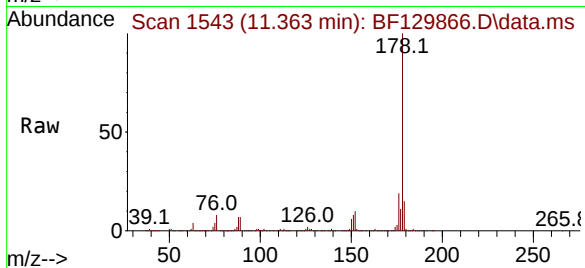
Tgt Ion:178 Resp: 186785

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 14.9 12.5 18.7



#72

Anthracene

Concen: 6.418 ng

RT: 11.416 min Scan# 1552

Delta R.T. -0.006 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

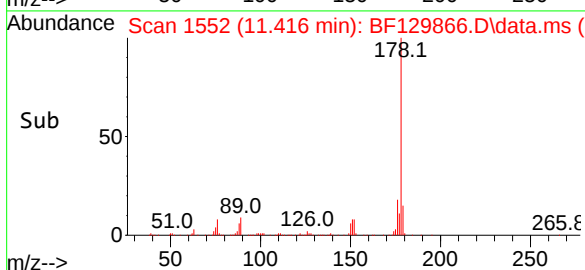
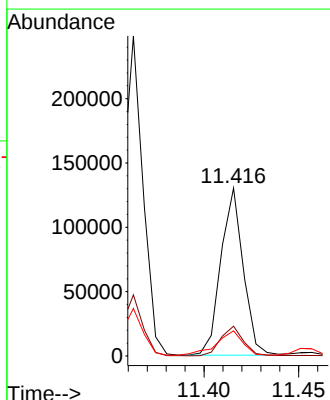
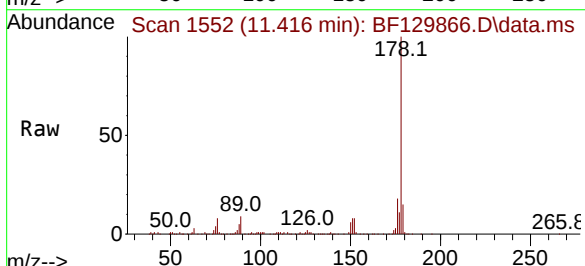
Tgt Ion:178 Resp: 106918

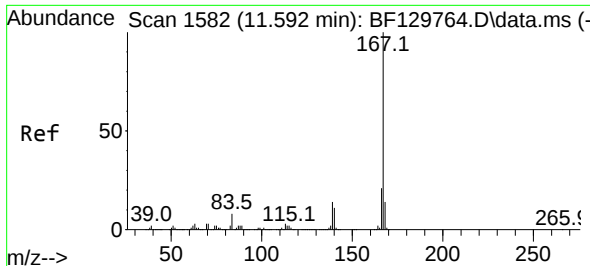
Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

179 15.0 12.6 18.8

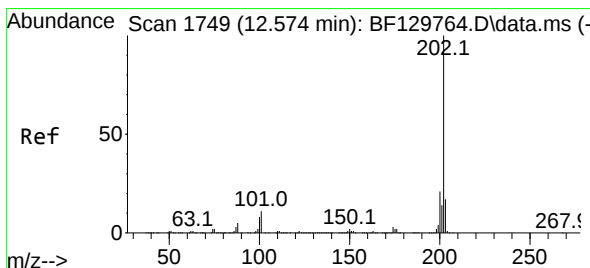
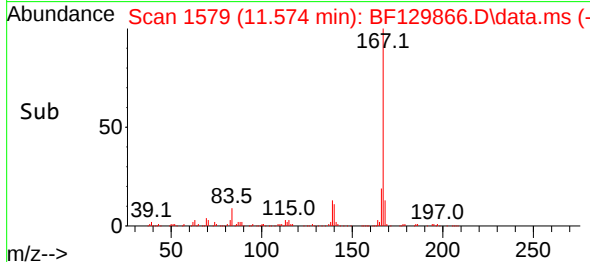
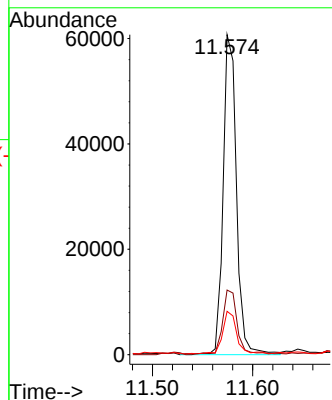
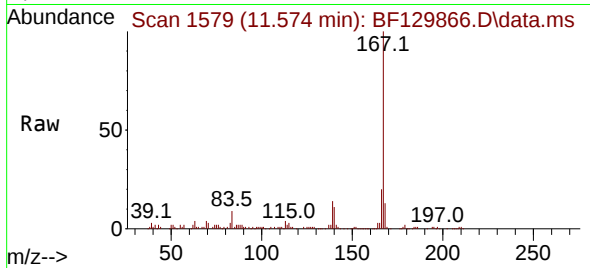




#73
 Carbazole
 Concen: 3.706 ng
 RT: 11.574 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129866.D
 Acq: 18 Aug 2022 03:04

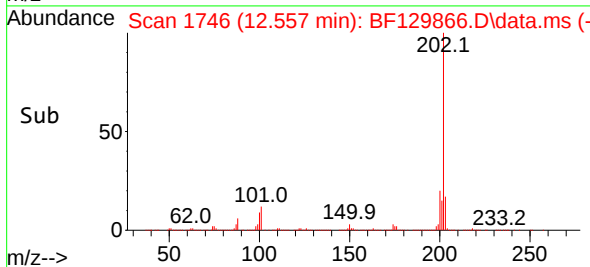
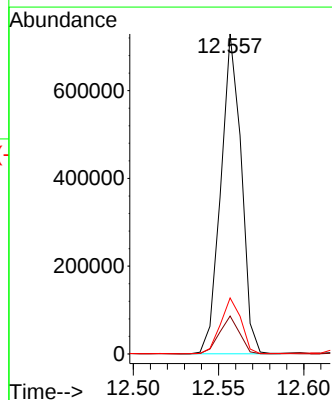
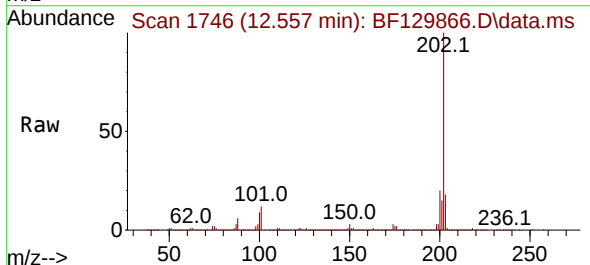
Instrument :
 BNA_F
 ClientSampleId :
 RO-211DL

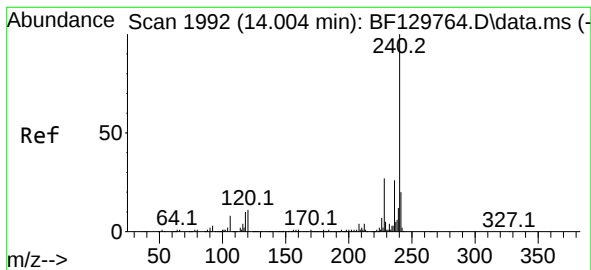
Tgt Ion:167 Resp: 56050
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.1 25.7
 139 13.6 11.0 16.6



#75
 Fluoranthene
 Concen: 35.504 ng
 RT: 12.557 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: BF129866.D
 Acq: 18 Aug 2022 03:04

Tgt Ion:202 Resp: 608607
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.7
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 1992

Delta R.T. -0.000 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

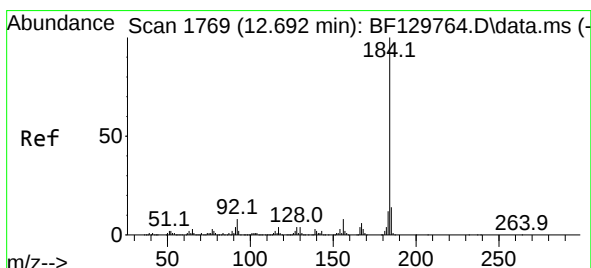
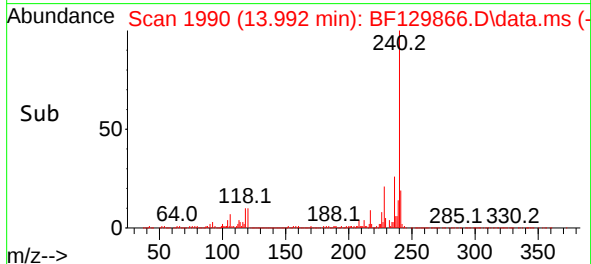
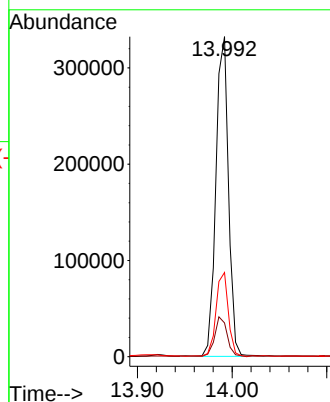
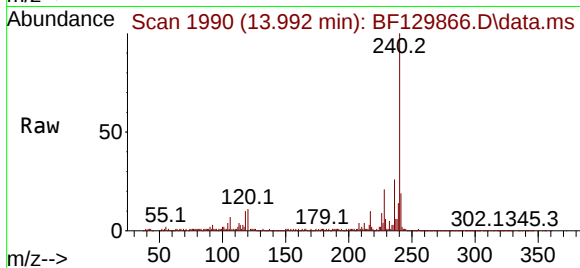
Tgt Ion:240 Resp: 305828

Ion Ratio Lower Upper

240 100

120 10.6 9.2 13.8

236 26.3 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.645 min Scan# 1761

Delta R.T. -0.035 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

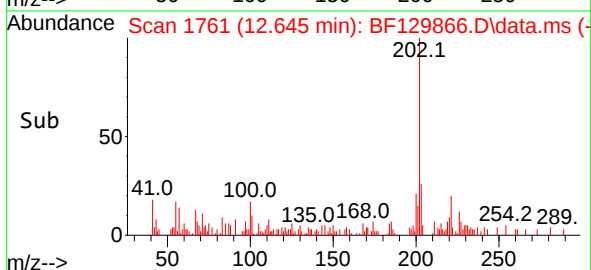
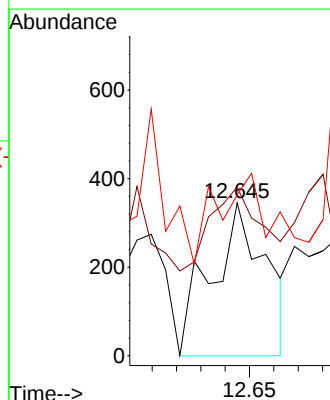
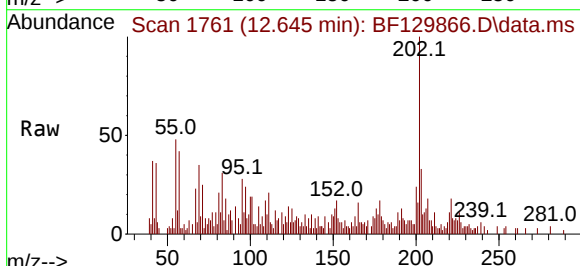
Tgt Ion:184 Resp: 534

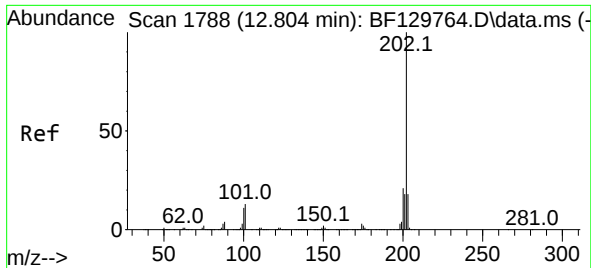
Ion Ratio Lower Upper

184 100

185 110.4 11.4 17.2#

183 105.2 9.4 14.2#

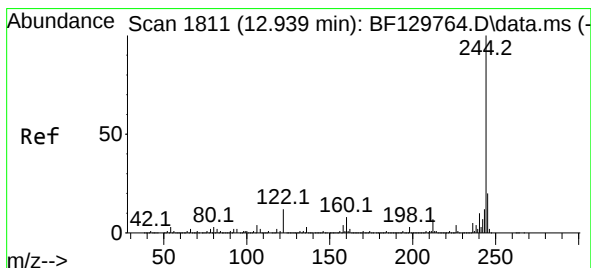
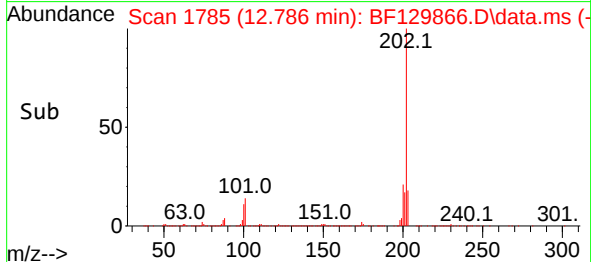
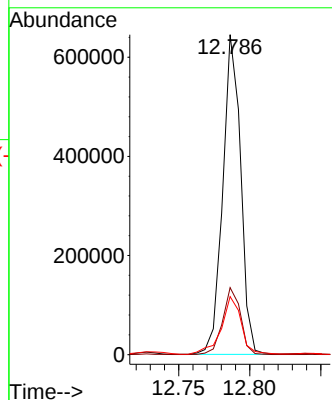
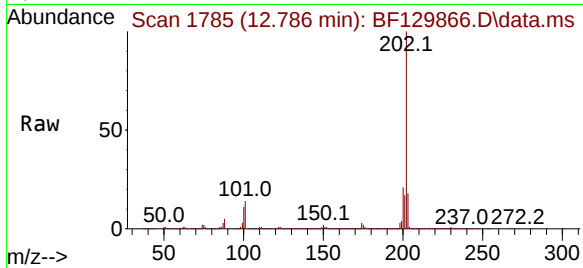




#78
Pyrene
Concen: 21.245 ng
RT: 12.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

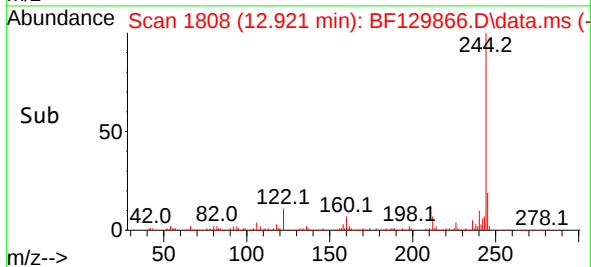
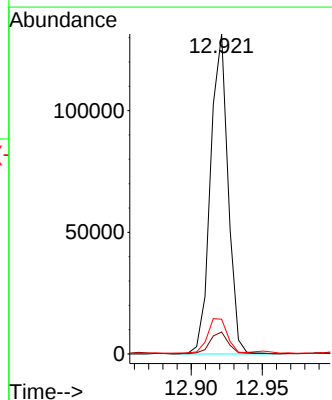
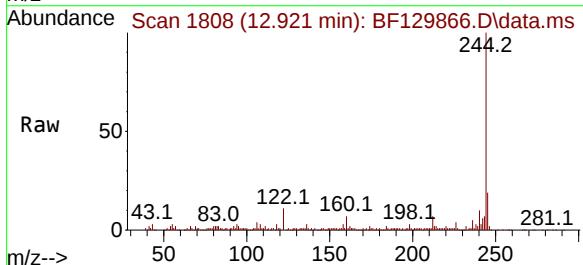
Instrument :
BNA_F
ClientSampleId :
RO-211DL

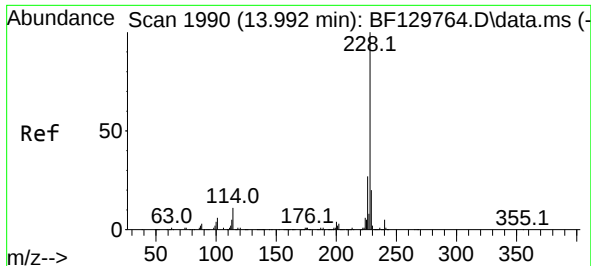
Tgt Ion:202 Resp: 564607
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 18.1 14.1 21.1



#79
Terphenyl-d14
Concen: 6.142 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:244 Resp: 112887
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.9 9.9 14.9

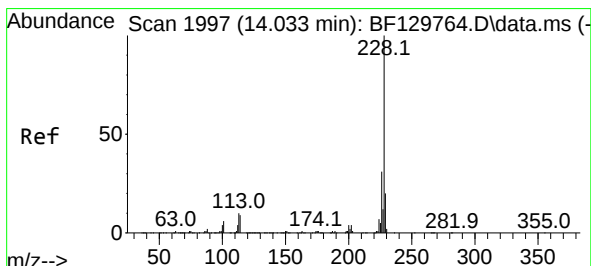
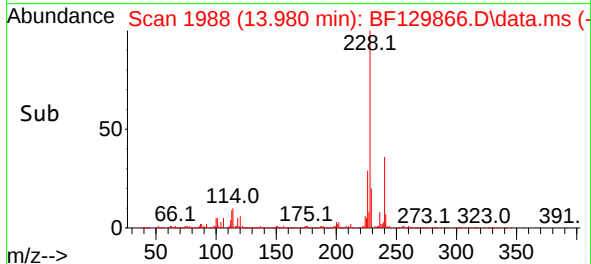
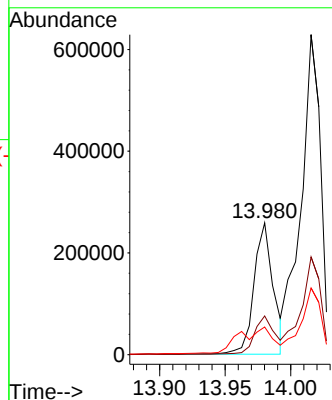
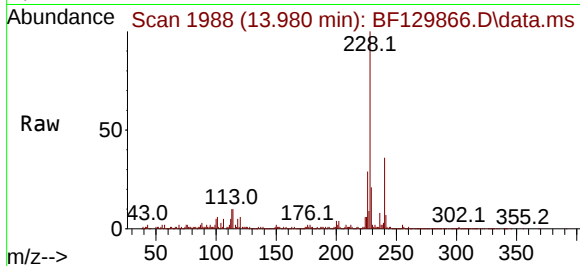




#81
Benzo(a)anthracene
Concen: 12.470 ng
RT: 13.980 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

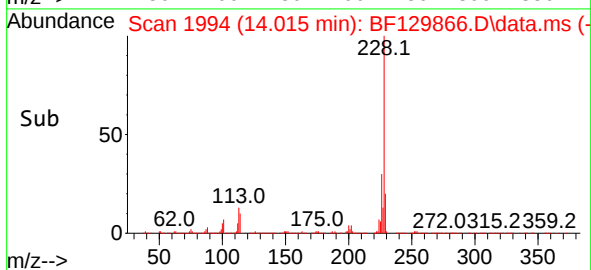
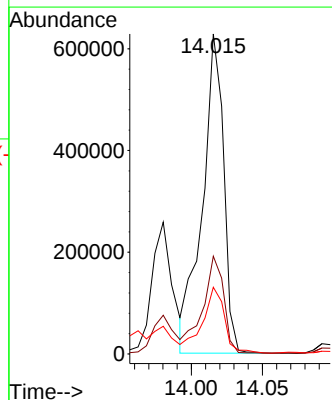
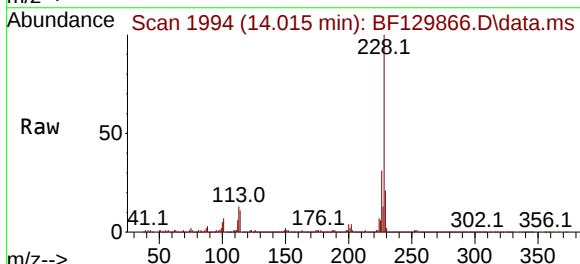
Instrument :
BNA_F
ClientSampleId :
RO-211DL

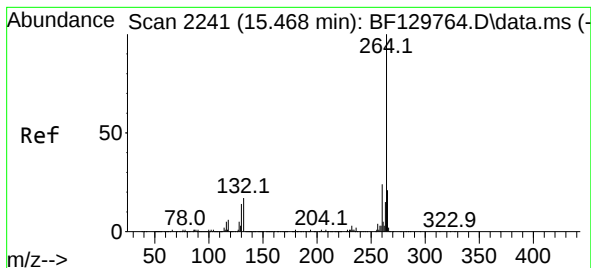
Tgt Ion:228 Resp: 262347
Ion Ratio Lower Upper
228 100
226 29.3 21.4 32.0
229 21.0 16.1 24.1



#83
Chrysene
Concen: 33.270 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:228 Resp: 655200
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 20.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

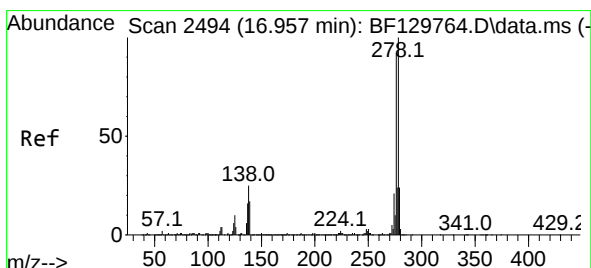
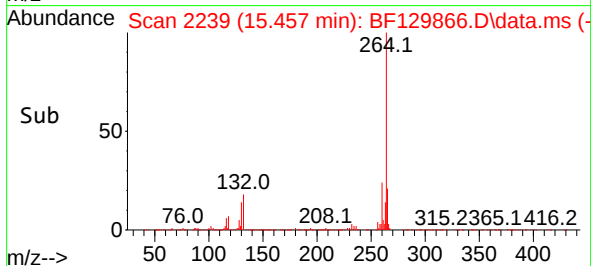
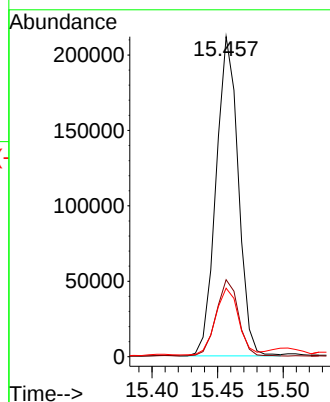
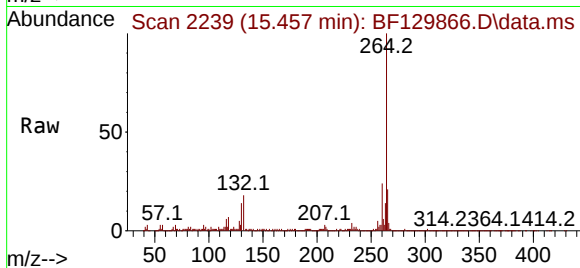
Tgt Ion:264 Resp: 248699

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 21.4 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.187 ng

RT: 16.927 min Scan# 2489

Delta R.T. -0.012 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

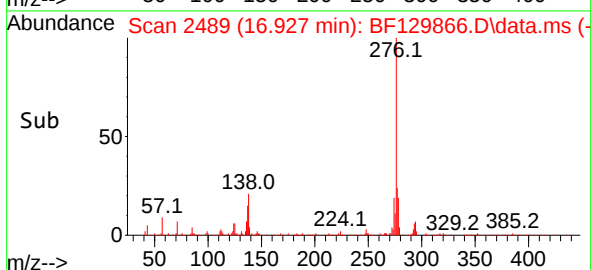
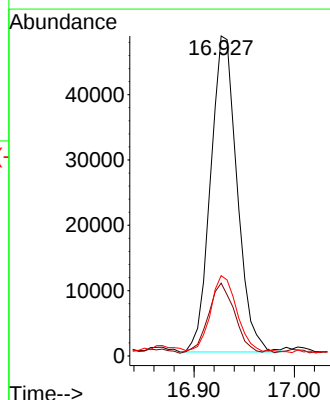
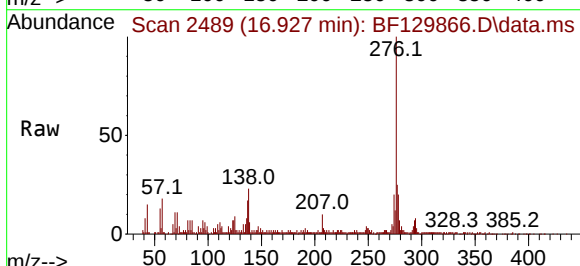
Tgt Ion:276 Resp: 88555

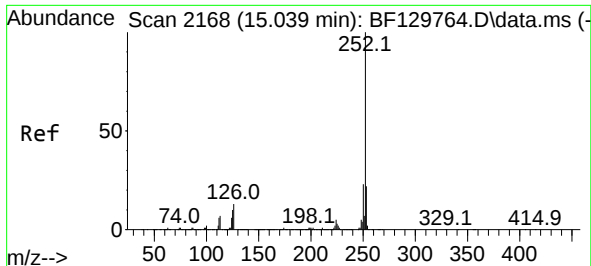
Ion Ratio Lower Upper

276 100

138 22.2 19.8 29.8

277 24.7 20.4 30.6

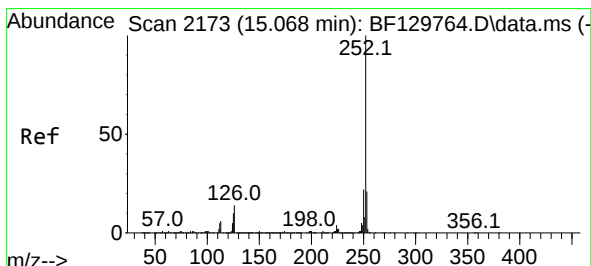
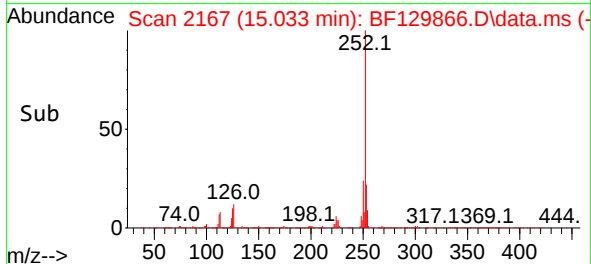
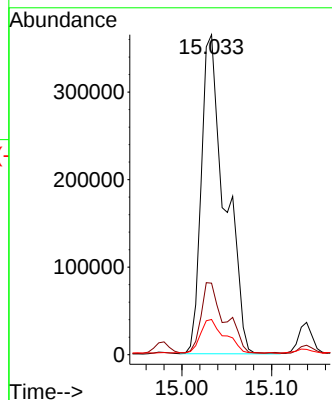
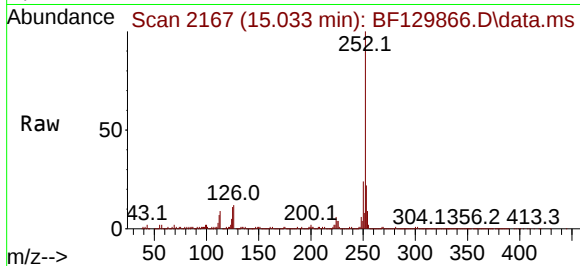




#88
Benzo(b)fluoranthene
Concen: 39.212 ng
RT: 15.033 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

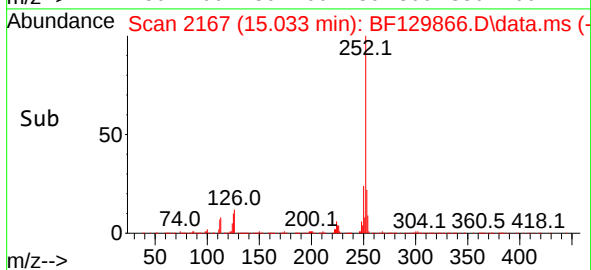
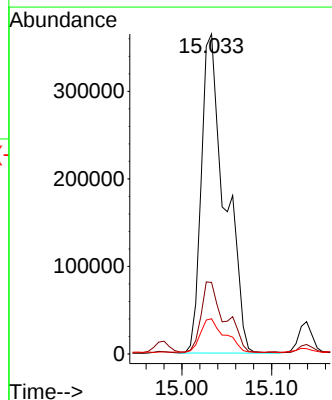
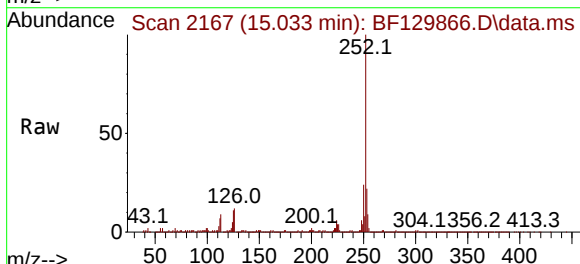
Instrument :
BNA_F
ClientSampleId :
RO-211DL

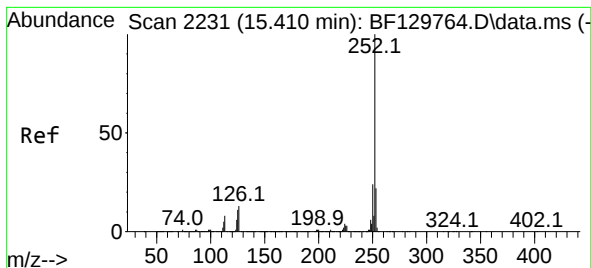
Tgt Ion:252 Resp: 667767
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.0 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 40.888 ng
RT: 15.033 min Scan# 2167
Delta R.T. -0.024 min
Lab File: BF129866.D
Acq: 18 Aug 2022 03:04

Tgt Ion:252 Resp: 667767
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 11.0 8.3 12.5





#90

Benzo(a)pyrene

Concen: 10.127 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RO-211DL

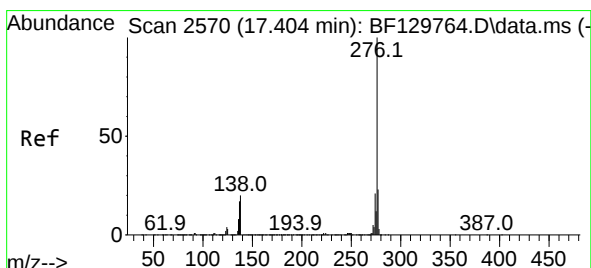
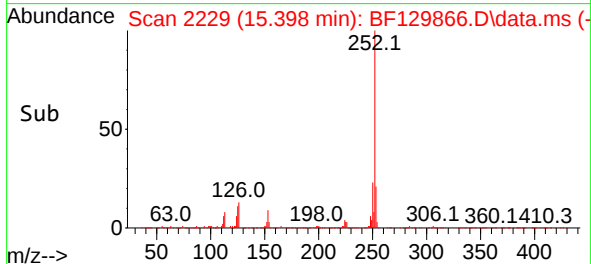
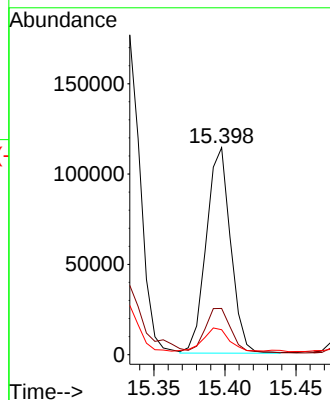
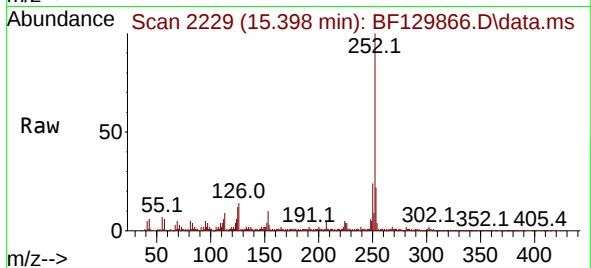
Tgt Ion:252 Resp: 135809

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 12.0 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 5.232 ng

RT: 17.380 min Scan# 2566

Delta R.T. -0.006 min

Lab File: BF129866.D

Acq: 18 Aug 2022 03:04

Tgt Ion:276 Resp: 73529

Ion Ratio Lower Upper

276 100

277 24.3 18.2 27.4

138 22.6 15.8 23.8

