

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129828.D
 Acq On : 17 Aug 2022 00:33
 Operator : CG\JU
 Sample : N4191-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-367

Quant Time: Aug 17 02:41:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

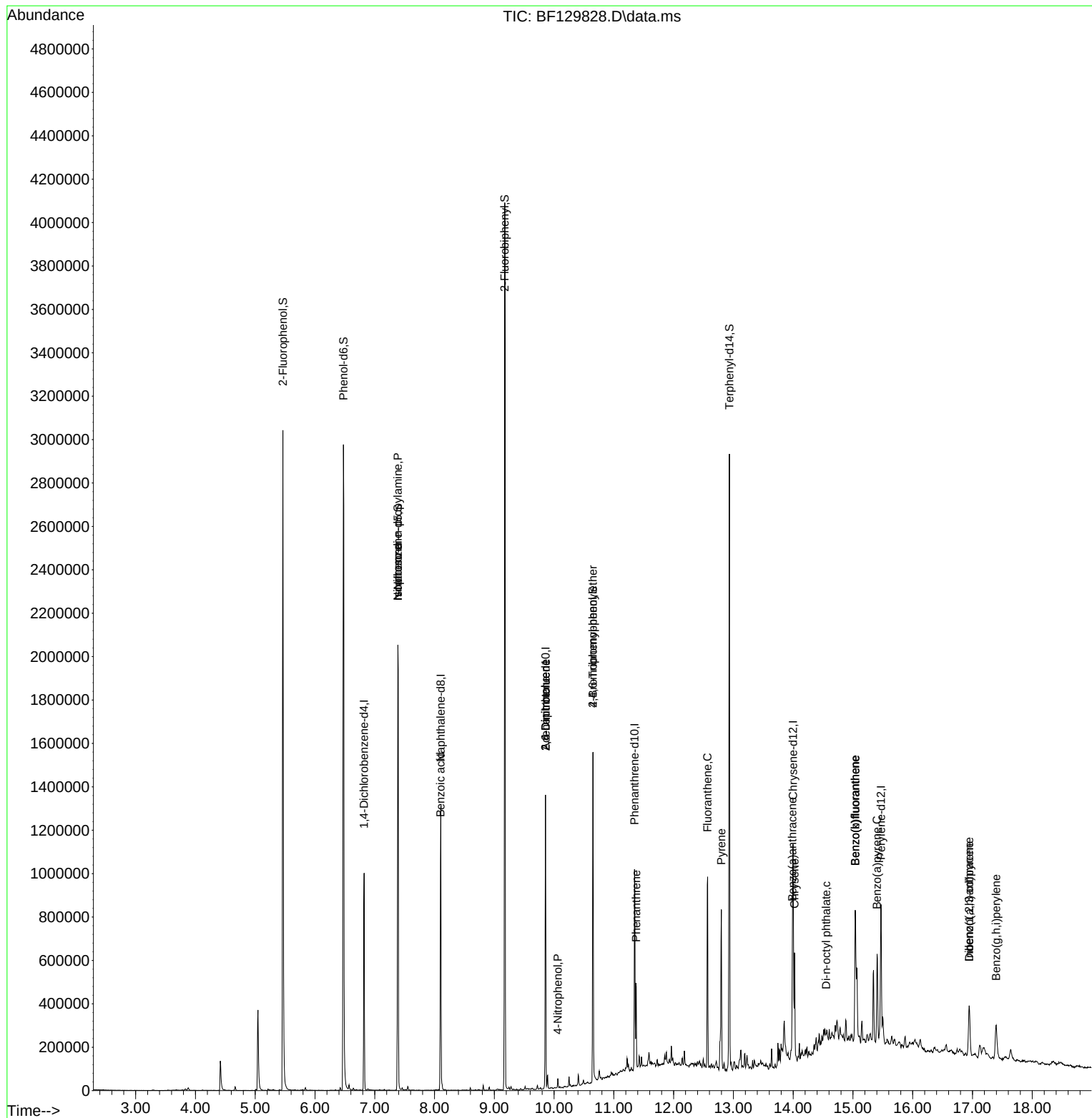
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	148124	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	559184	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	255938	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	336059	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	267919	20.000	ng	0.00
86) Perylene-d12	15.468	264	288639	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	831763	92.973	ng	0.00
7) Phenol-d6	6.475	99	1084020	96.759	ng	0.00
23) Nitrobenzene-d5	7.387	82	695613	66.592	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	165346	64.369	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1232080	73.115	ng	-0.01
79) Terphenyl-d14	12.933	244	879228	54.605	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	84	Below Cal		Qvalue # 39
19) n-Nitroso-di-n-propyla...	7.387	70	92184	13.018	ng	# 77
25) Isophorone	7.387	82	695605	38.690	ng	# 65
32) Benzoic acid	8.098	122	58	2.171	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	33934	8.526	ng	# 23
56) 4-Nitrophenol	10.063	139	5532	2.825	ng	# 10
57) 2,4-Dinitrotoluene	9.857	165	33934	6.568	ng	# 18
67) 4-Bromophenyl-phenylether	10.651	248	10075	2.560	ng	# 1
71) Phenanthrene	11.375	178	148406	7.907	ng	99
75) Fluoranthene	12.569	202	350142	18.231	ng	99
77) Benzidine	12.933	184	12525	Below Cal		95
78) Pyrene	12.798	202	292252	12.553	ng	99
81) Benzo(a)anthracene	13.986	228	167637	9.096	ng	98
83) Chrysene	14.021	228	189976	11.012	ng	97
85) Di-n-octyl phthalate	14.551	149	32357	2.005	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.945	276	133619	6.743	ng	94
88) Benzo(b)fluoranthene	15.039	252	436021	22.061	ng	97
89) Benzo(k)fluoranthene	15.039	252	436021	23.004	ng	96
90) Benzo(a)pyrene	15.404	252	198388	12.746	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	32772	2.004	ng	# 85
92) Benzo(g,h,i)perylene	17.398	276	127986	7.846	ng	95

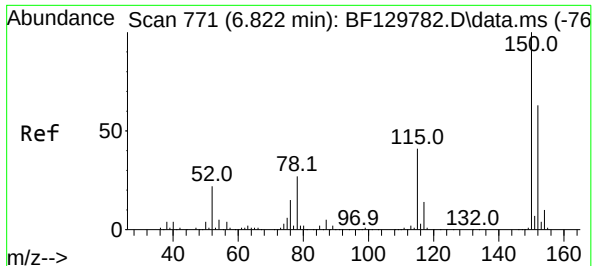
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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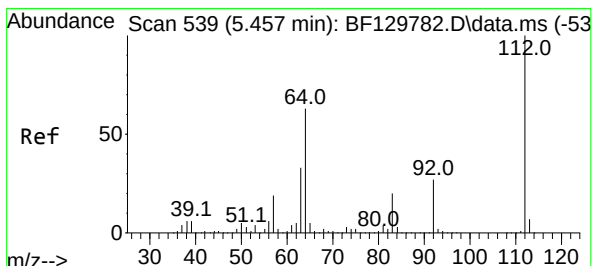
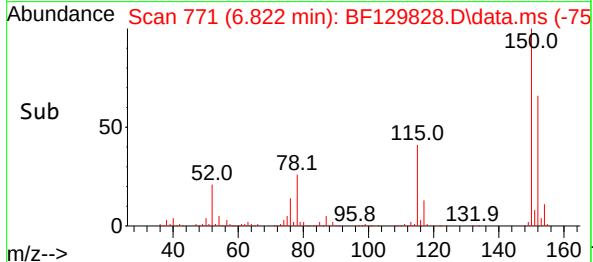
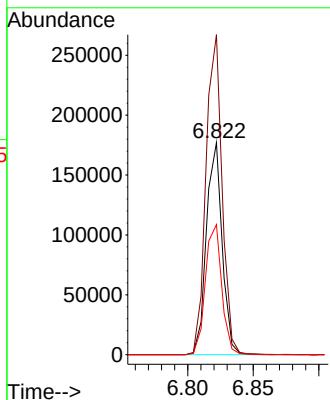
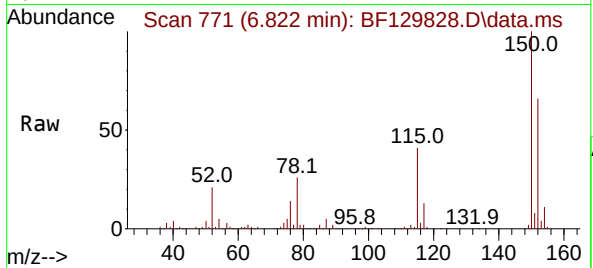




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

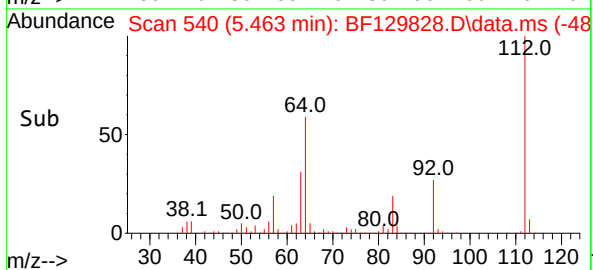
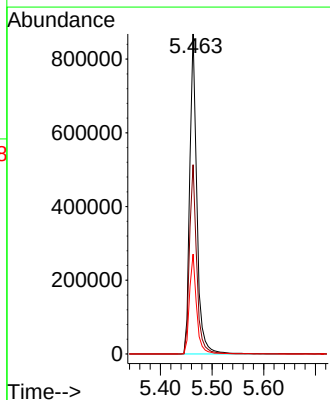
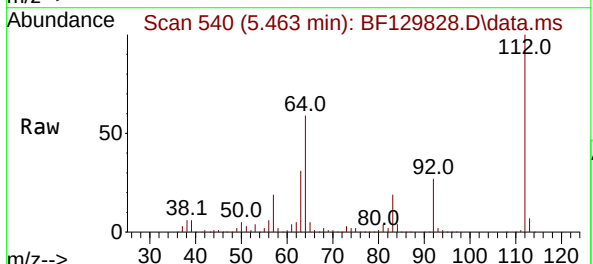
Instrument :
BNA_F
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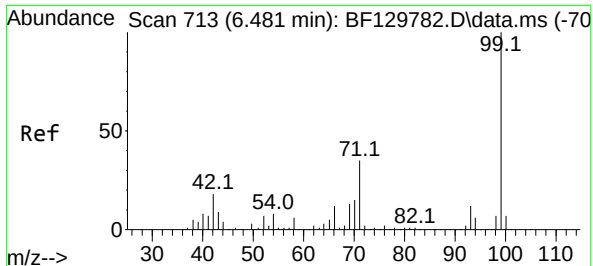
Tgt Ion:152 Resp: 148124
Ion Ratio Lower Upper
152 100
150 151.0 126.9 190.3
115 61.4 53.4 80.0



#5
2-Fluorophenol
Concen: 92.973 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.000 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion:112 Resp: 831763
Ion Ratio Lower Upper
112 100
64 59.1 47.6 71.4
63 31.2 24.6 37.0

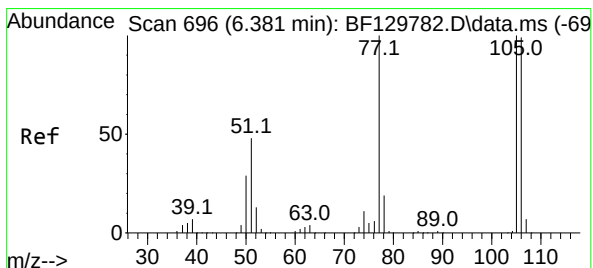
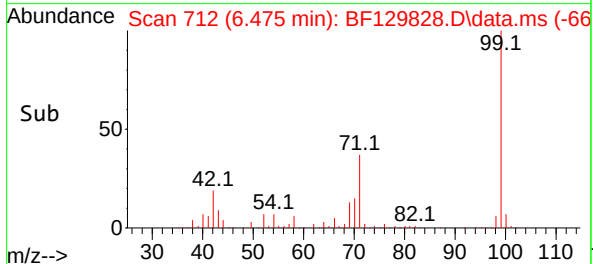
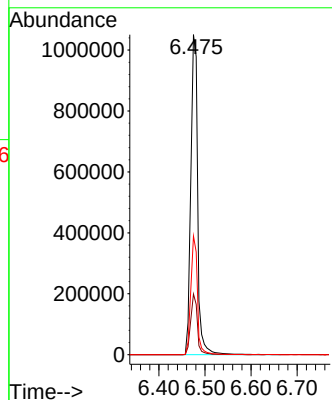
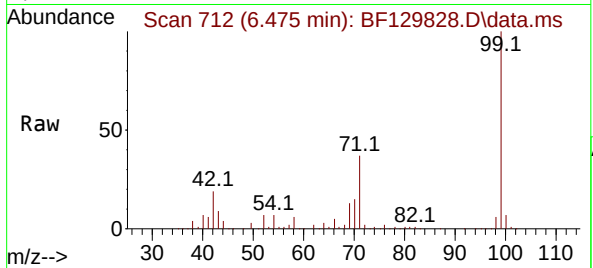




#7
Phenol-d6
Concen: 96.759 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

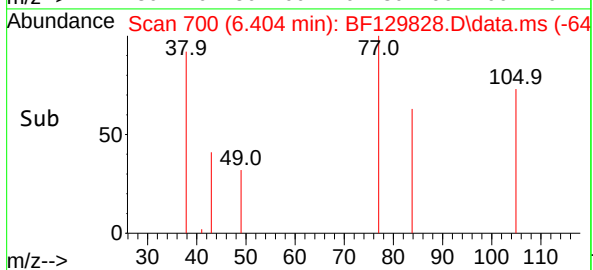
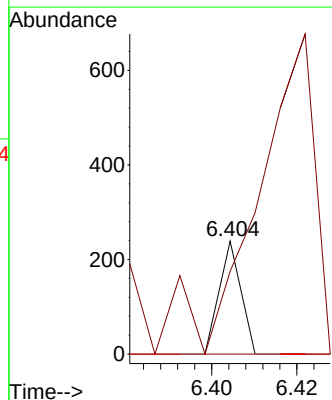
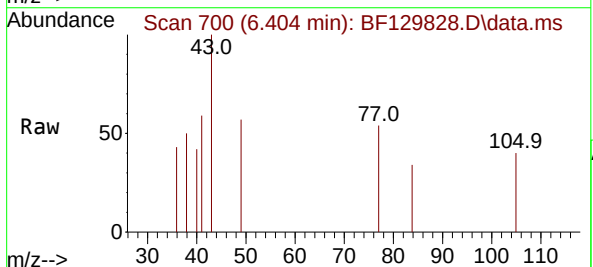
Instrument :
BNA_F
ClientSampleId :
RO-367

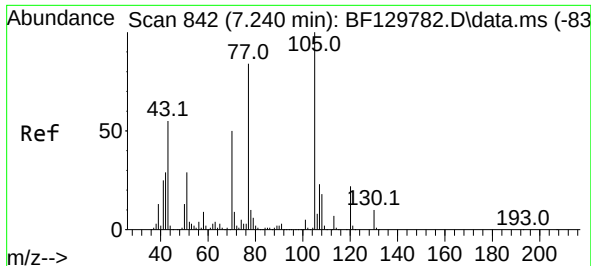
Tgt Ion: 99 Resp: 1084020
Ion Ratio Lower Upper
99 100
42 19.0 15.0 22.4
71 37.0 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 700
Delta R.T. 0.023 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion: 77 Resp: 84
Ion Ratio Lower Upper
77 100
105 73.2 80.3 120.3#
106 0.0 74.3 114.3#

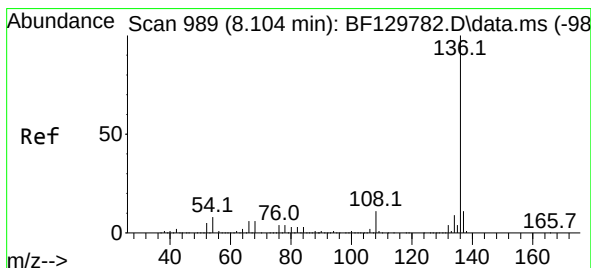
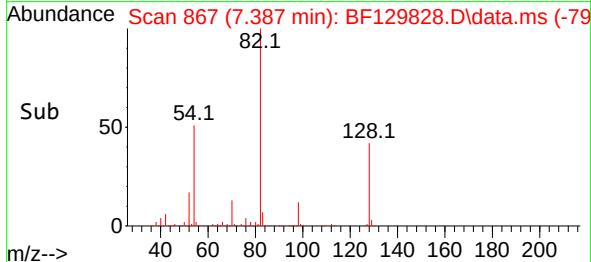
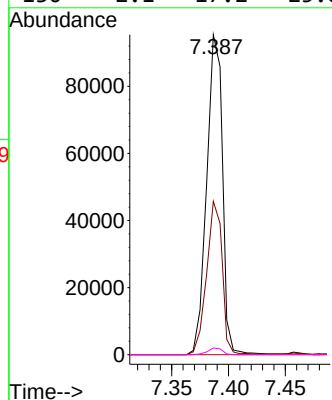
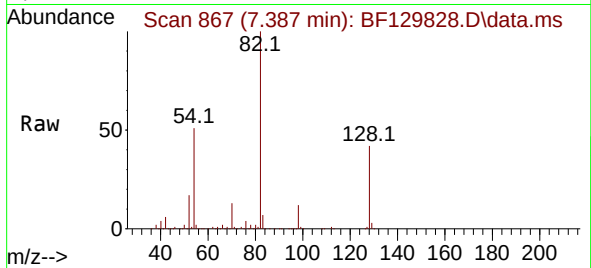




#19
n-Nitroso-di-n-propylamine
Concen: 13.018 ng
RT: 7.387 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

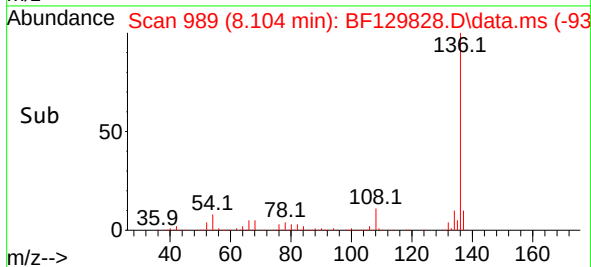
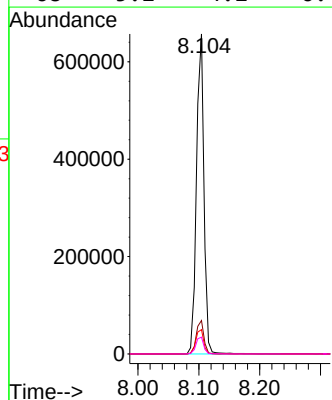
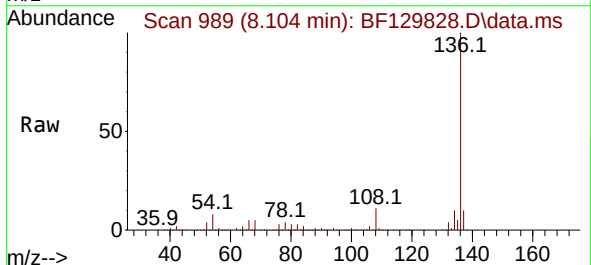
Instrument :
BNA_F
ClientSampleId :
RO-367

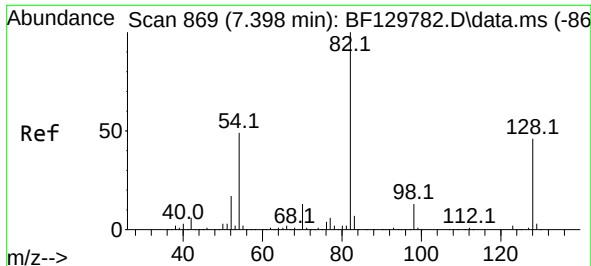
Tgt Ion: 70 Resp: 92184
Ion Ratio Lower Upper
70 100
42 47.9 47.6 71.4
101 0.0 8.1 12.1#
130 2.1 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion: 136 Resp: 559184
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.6 6.2 9.2
68 5.2 4.2 6.4

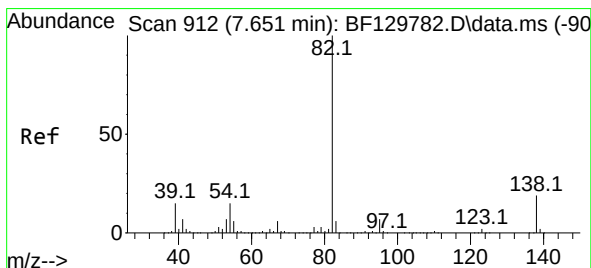
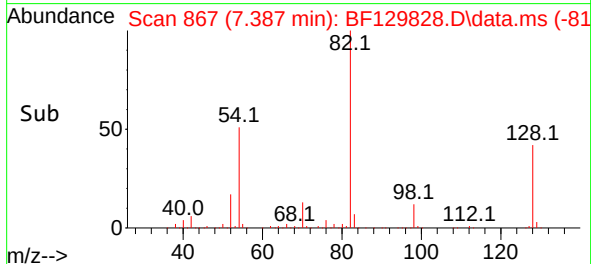
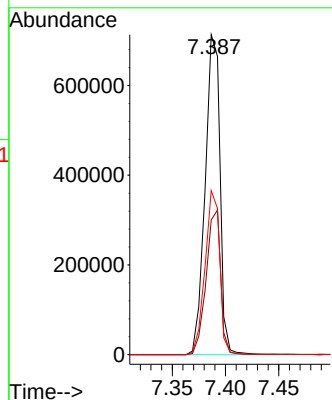
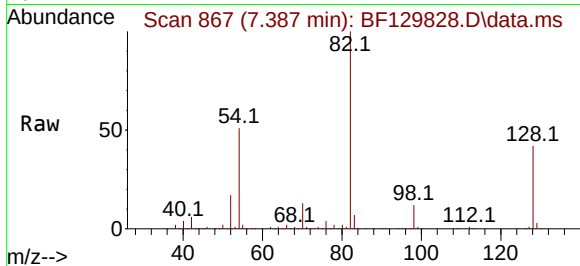




#23
Nitrobenzene-d5
Concen: 66.592 ng
RT: 7.387 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

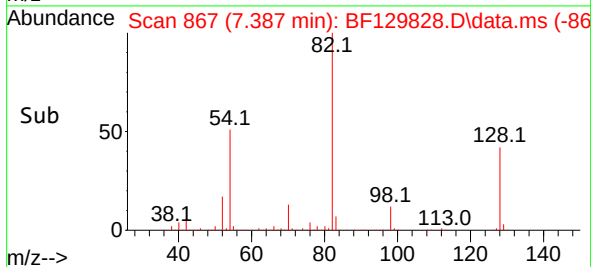
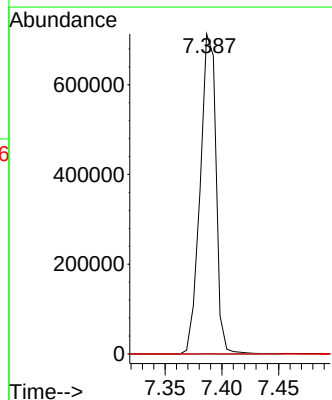
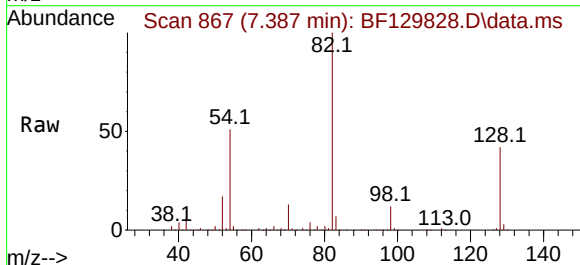
Instrument :
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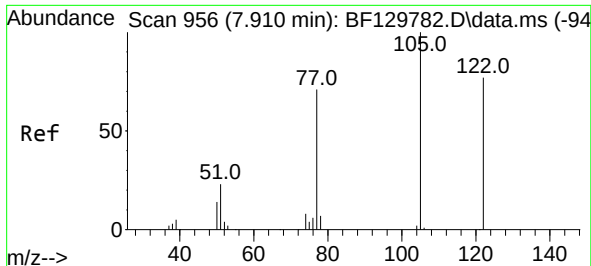
Tgt Ion: 82 Resp: 695613
Ion Ratio Lower Upper
82 100
128 42.1 36.1 54.1
54 51.3 40.0 60.0



#25
Isophorone
Concen: 38.690 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.265 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion: 82 Resp: 695605
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.6 21.8#

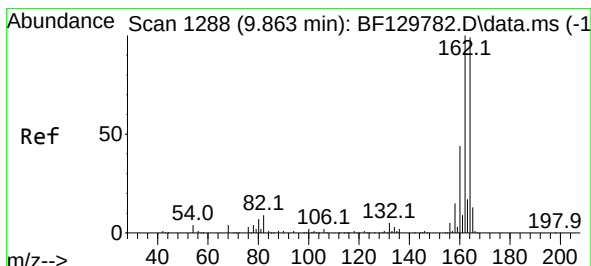
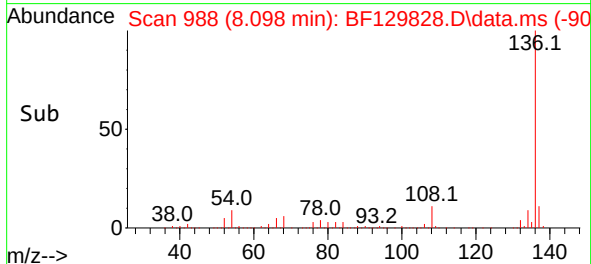
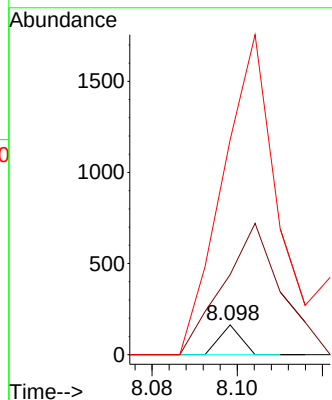
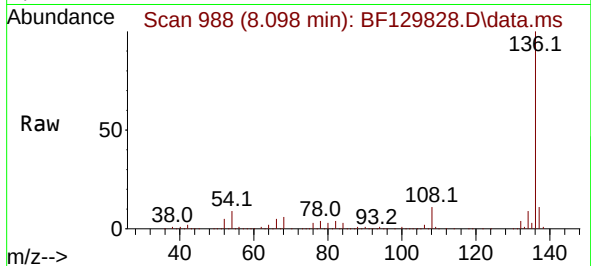




#32
Benzoic acid
Concen: 2.171 ng
RT: 8.098 min Scan# 91
Delta R.T. 0.182 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

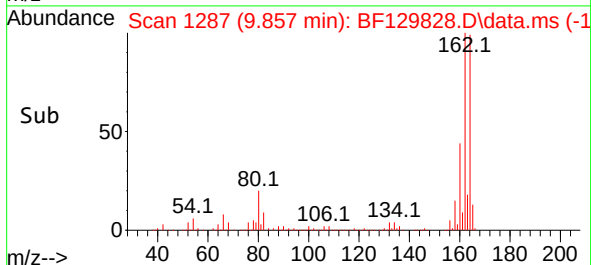
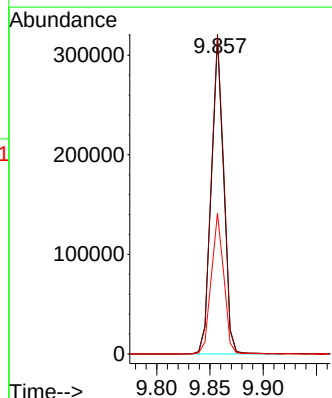
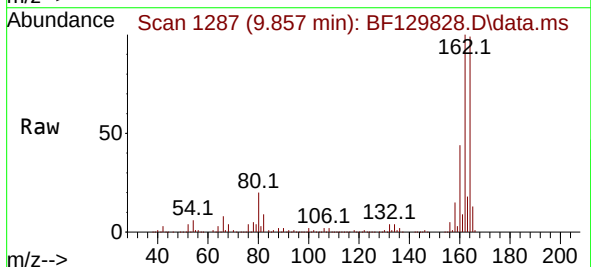
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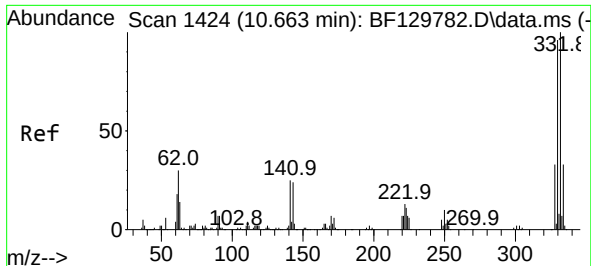
Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 269.3 99.9 139.9#
77 722.7 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion:164 Resp: 255938
Ion Ratio Lower Upper
164 100
162 101.2 82.0 123.0
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 64.369 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

Instrument :

BNA_F

ClientSampleId :

RO-367

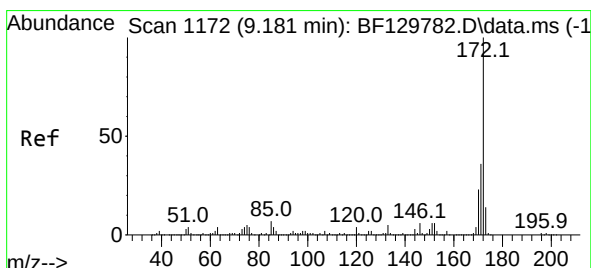
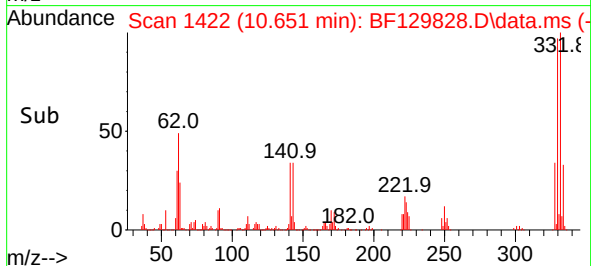
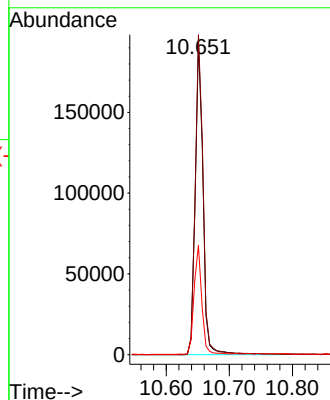
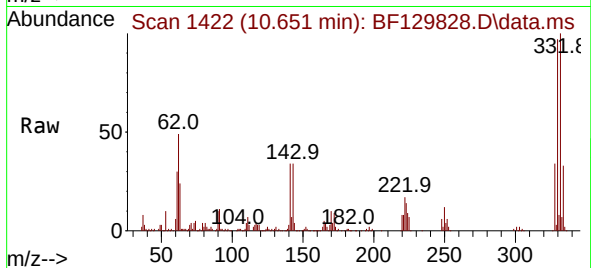
Tgt Ion:330 Resp: 165346

Ion Ratio Lower Upper

330 100

332 102.8 82.6 124.0

141 34.5 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 73.115 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.012 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

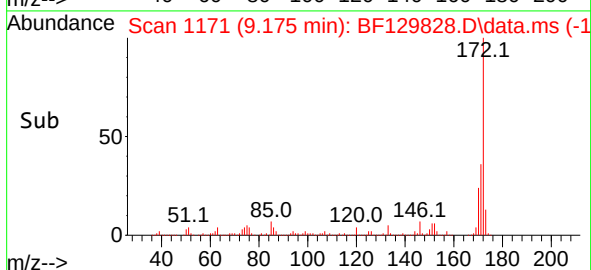
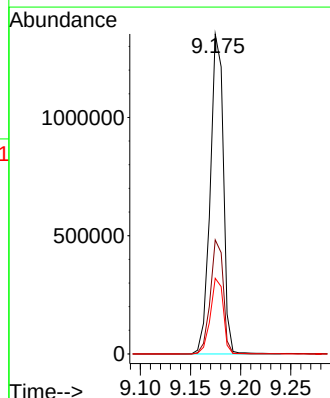
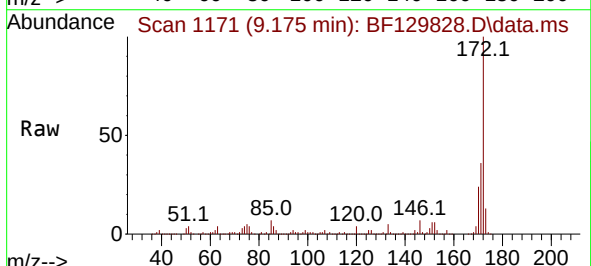
Tgt Ion:172 Resp: 1232080

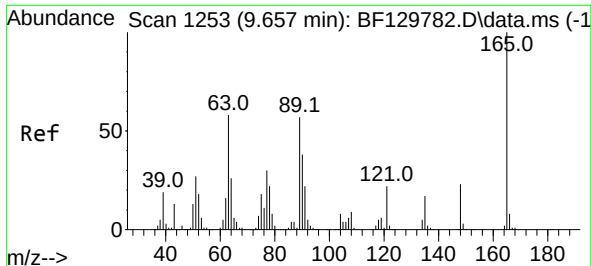
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.7 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.526 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

Instrument :

BNA_F

ClientSampleId :

RO-367

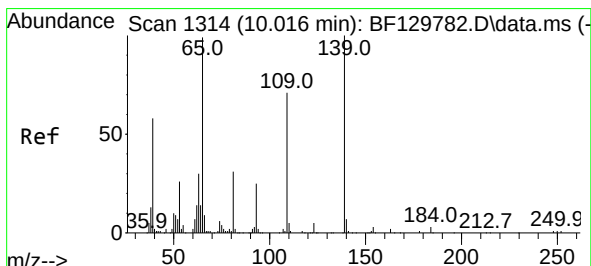
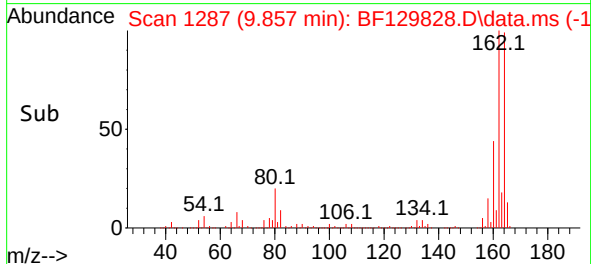
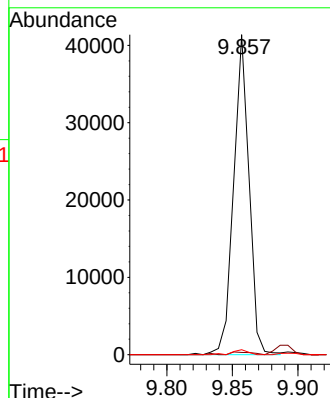
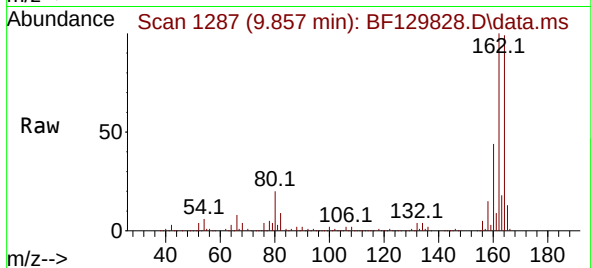
Tgt Ion:165 Resp: 33934

Ion Ratio Lower Upper

165 100

63 0.7 47.8 71.8#

89 1.6 47.2 70.8#



#56

4-Nitrophenol

Concen: 2.825 ng

RT: 10.063 min Scan# 1322

Delta R.T. 0.047 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

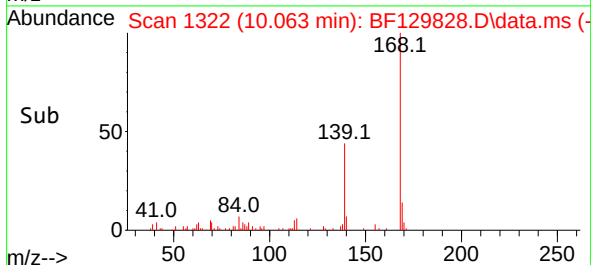
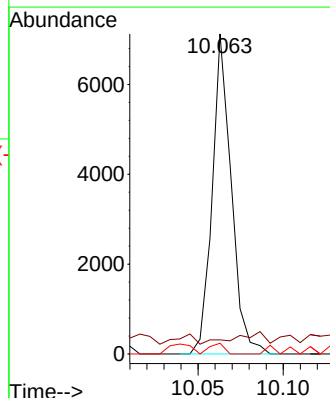
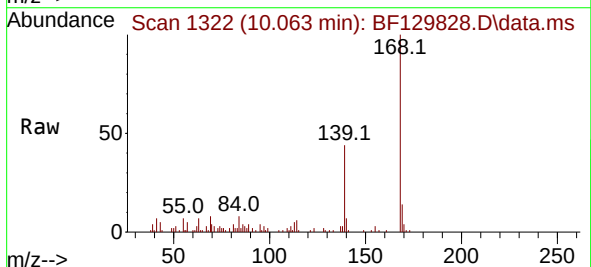
Tgt Ion:139 Resp: 5532

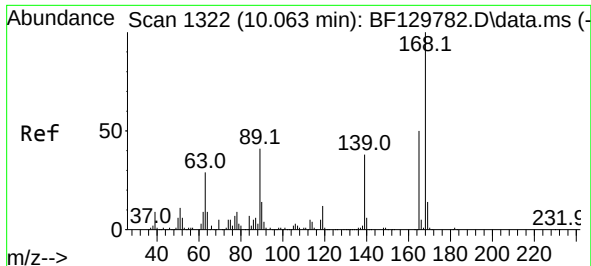
Ion Ratio Lower Upper

139 100

109 4.4 52.9 92.9#

65 3.4 79.5 119.5#

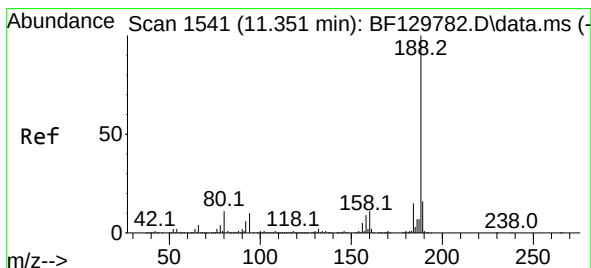
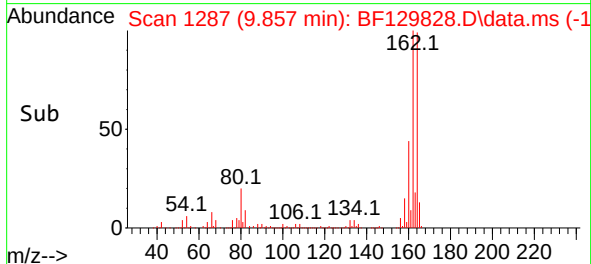
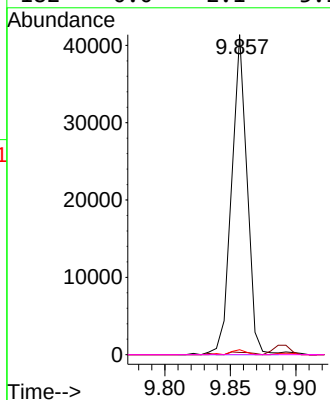
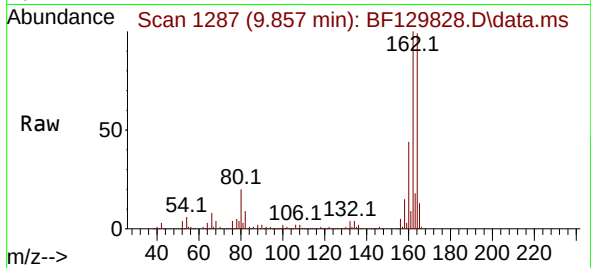




#57
2,4-Dinitrotoluene
Concen: 6.568 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

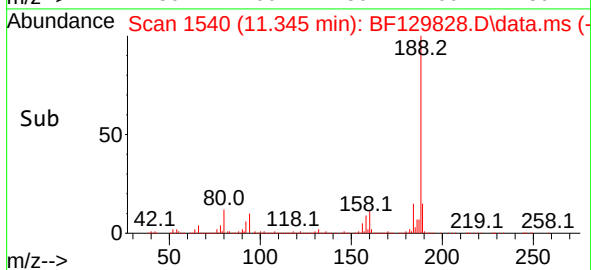
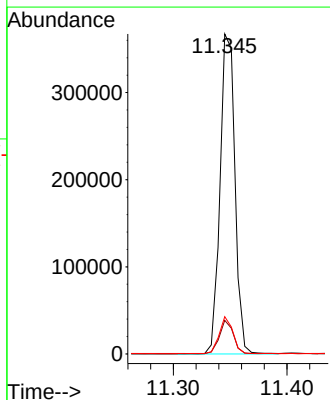
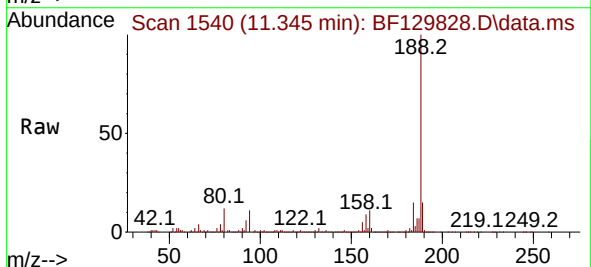
Instrument :
BNA_F
ClientSampleId :
RO-367

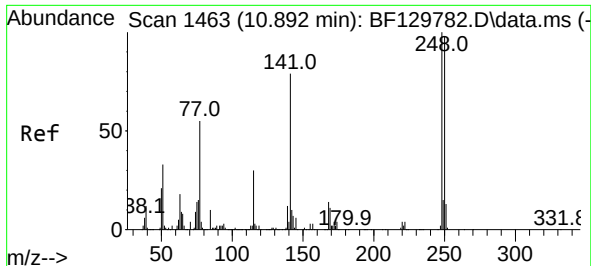
Tgt Ion:165 Resp: 33934
Ion Ratio Lower Upper
165 100
63 0.7 48.4 72.6#
89 1.6 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion:188 Resp: 336059
Ion Ratio Lower Upper
188 100
94 10.5 7.4 11.2
80 11.6 7.9 11.9

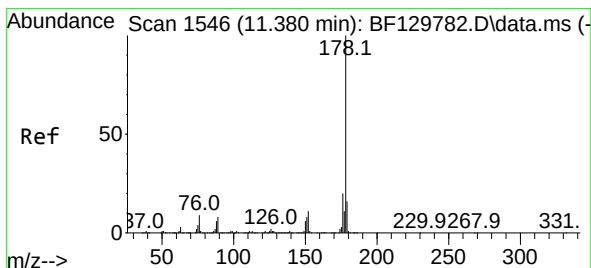
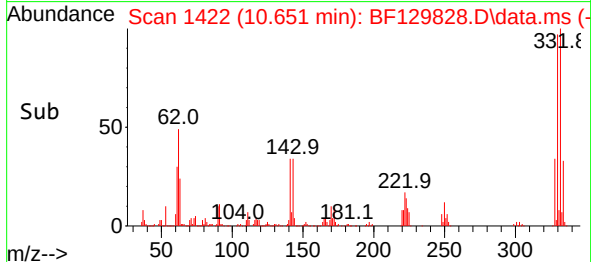
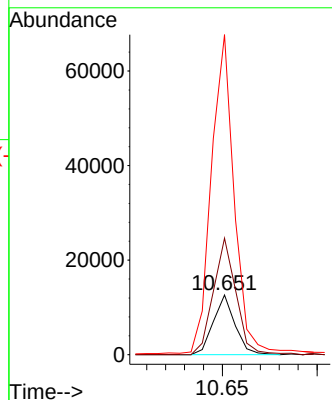
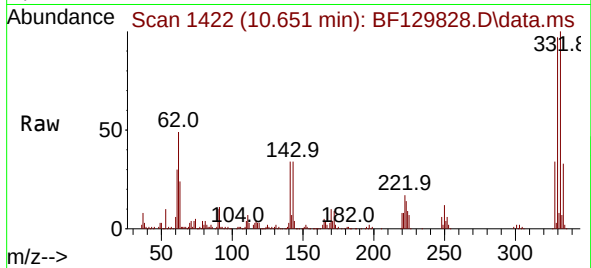




#67
4-Bromophenyl-phenylether
Concen: 2.560 ng
RT: 10.651 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

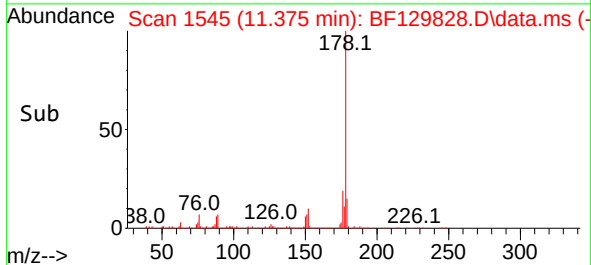
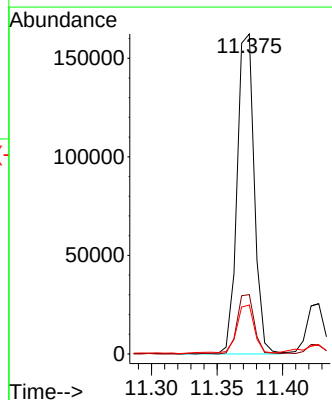
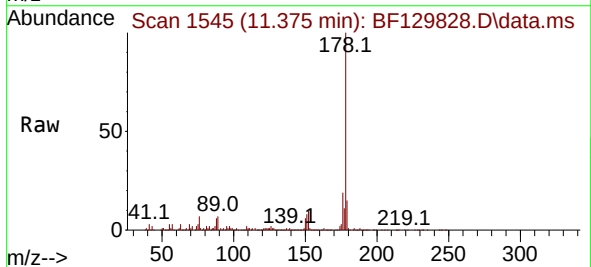
Instrument :
BNA_F
ClientSampleId :
RO-367

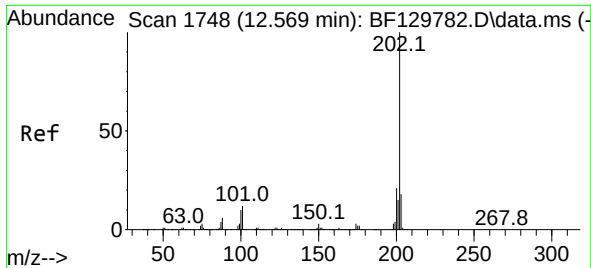
Tgt Ion:248 Resp: 10075
Ion Ratio Lower Upper
248 100
250 195.2 77.8 116.6#
141 536.5 66.2 99.2#



#71
Phenanthrene
Concen: 7.907 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion:178 Resp: 148406
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.3 12.5 18.7

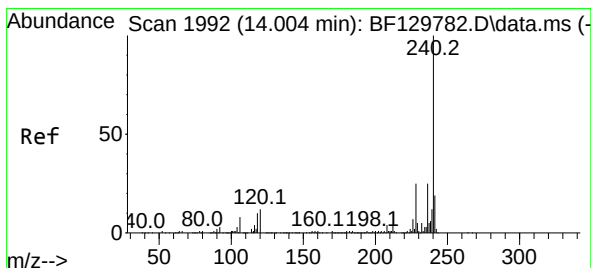
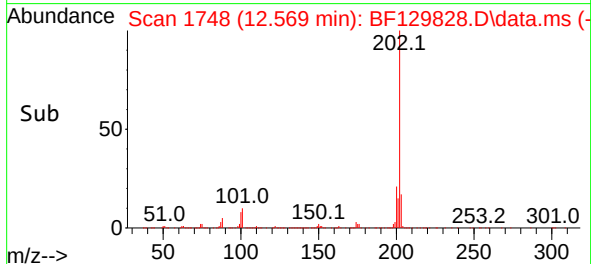
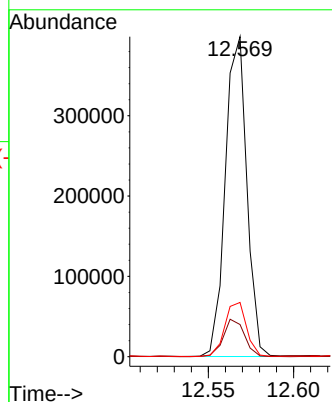
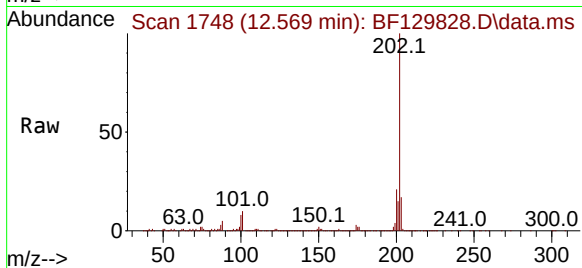




#75
Fluoranthene
Concen: 18.231 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

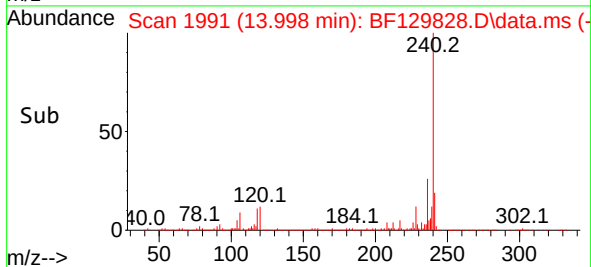
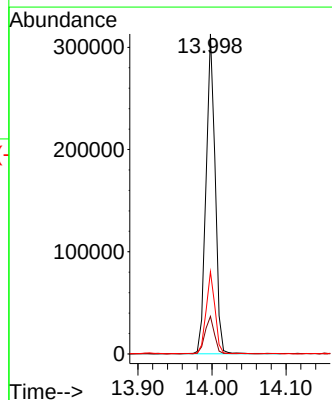
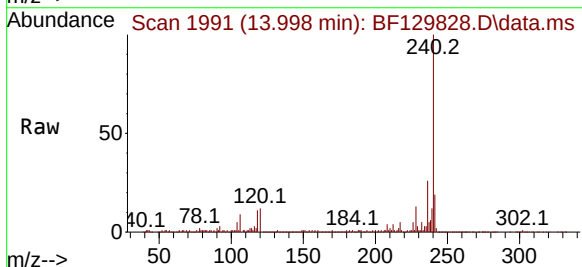
Instrument :
BNA_F
ClientSampleId :
RO-367

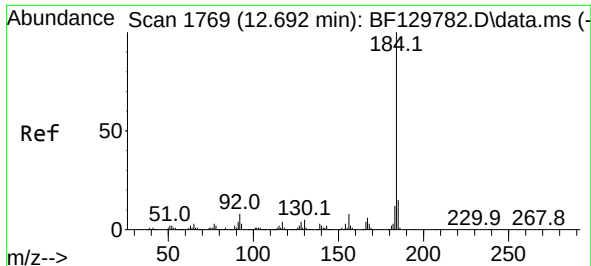
Tgt Ion:202 Resp: 350142
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.7
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion:240 Resp: 267919
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 25.7 20.7 31.1

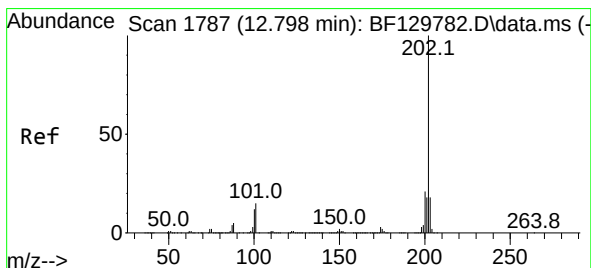
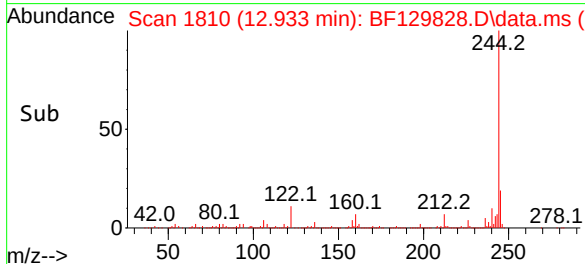
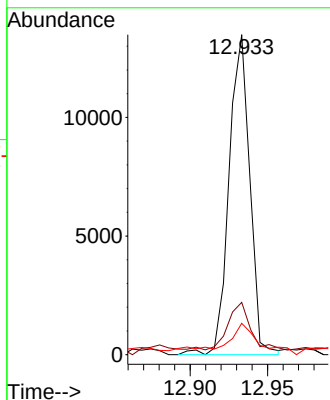
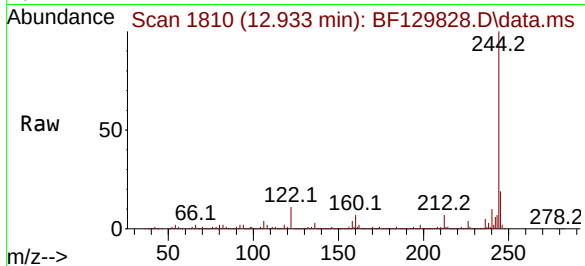




#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

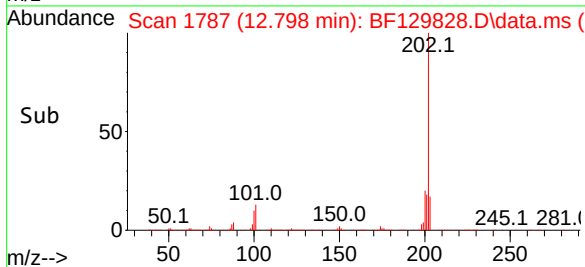
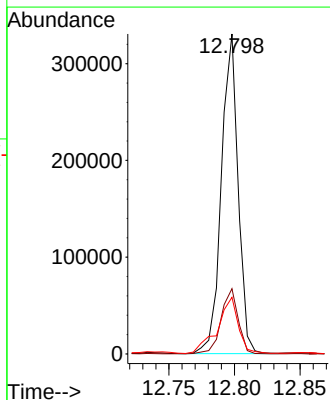
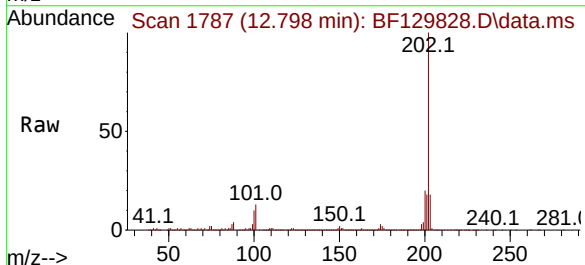
Instrument :
BNA_F
ClientSampleId :
RO-367

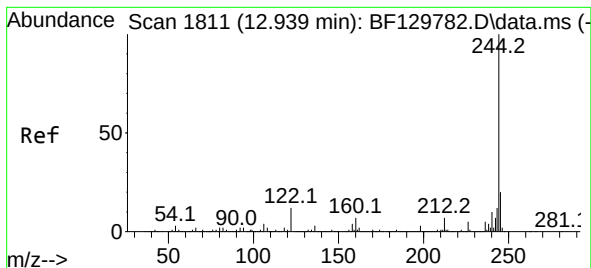
Tgt Ion:184 Resp: 12525
Ion Ratio Lower Upper
184 100
185 16.3 11.4 17.2
183 9.8 9.4 14.2



#78
Pyrene
Concen: 12.553 ng
RT: 12.798 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion:202 Resp: 292252
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 54.605 ng

RT: 12.933 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

Instrument :

BNA_F

ClientSampleId :

RO-367

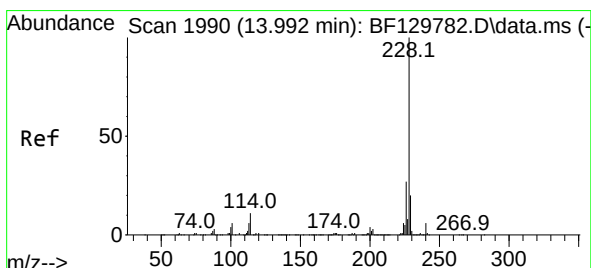
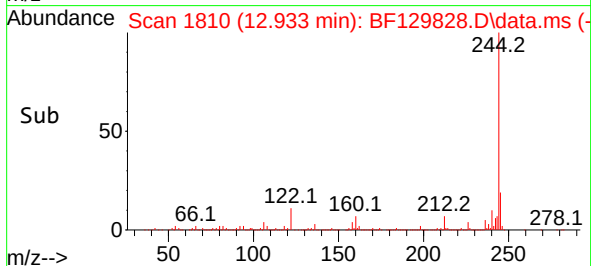
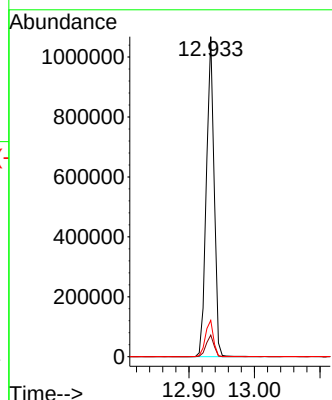
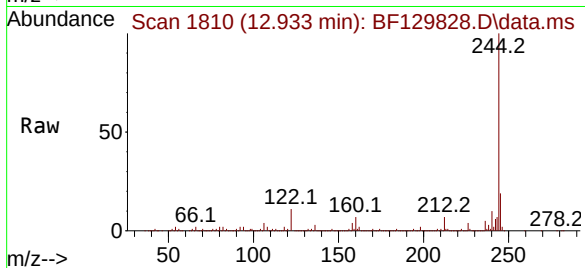
Tgt Ion:244 Resp: 879228

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 11.4 9.9 14.9



#81

Benzo(a)anthracene

Concen: 9.096 ng

RT: 13.986 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

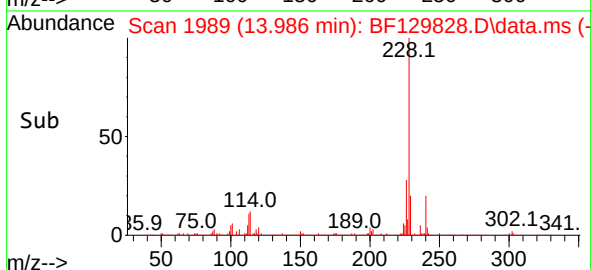
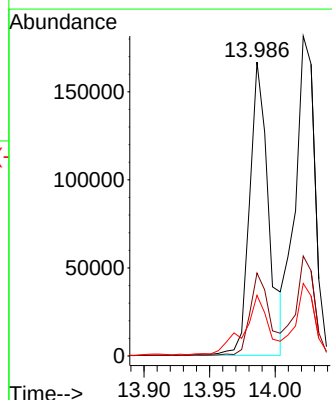
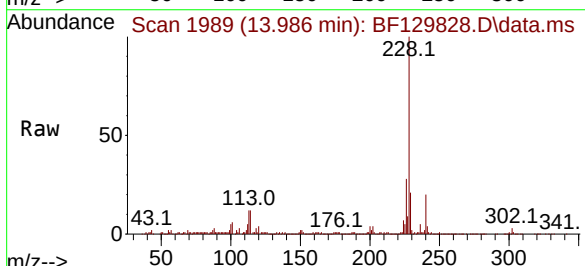
Tgt Ion:228 Resp: 167637

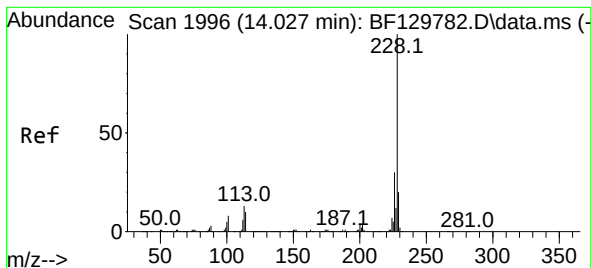
Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.0

229 20.6 16.1 24.1





#83

Chrysene

Concen: 11.012 ng

RT: 14.021 min Scan# 1996

Delta R.T. -0.012 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

Instrument :

BNA_F

ClientSampleId :

RO-367

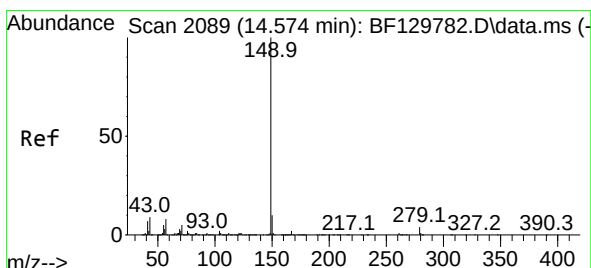
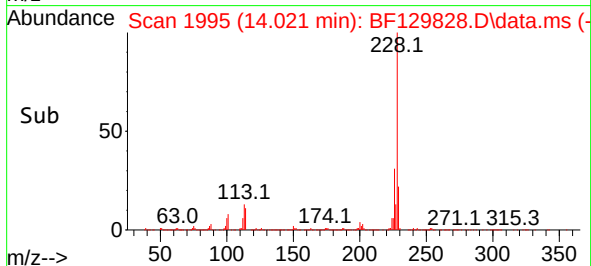
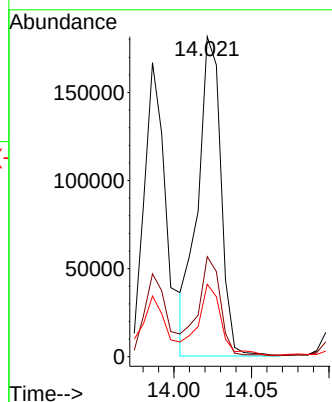
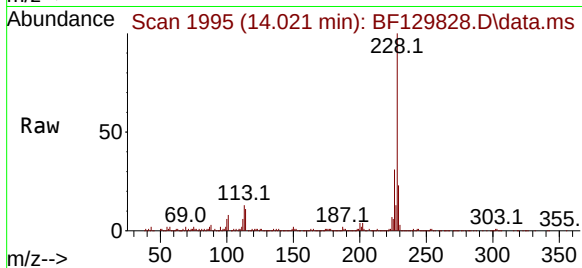
Tgt Ion:228 Resp: 189976

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 22.6 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 2.005 ng

RT: 14.551 min Scan# 2085

Delta R.T. -0.024 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

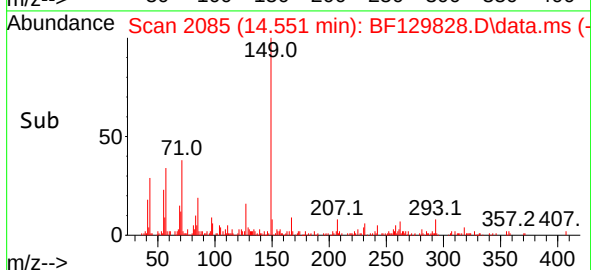
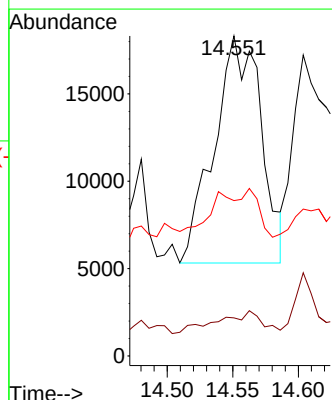
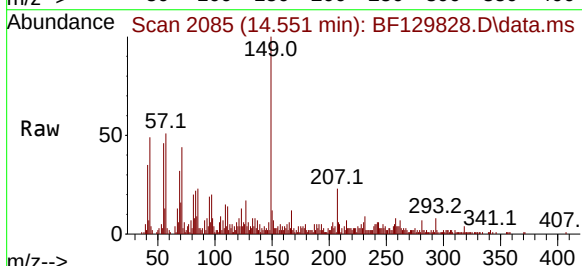
Tgt Ion:149 Resp: 32357

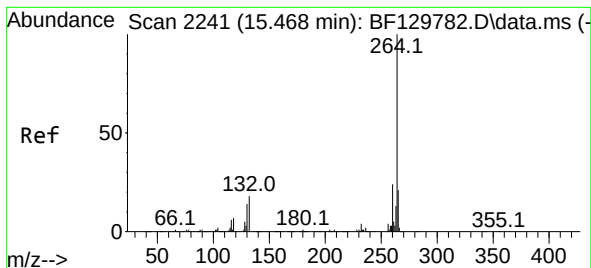
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 6.6 7.8 11.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

Instrument :

BNA_F

ClientSampleId :

RO-367

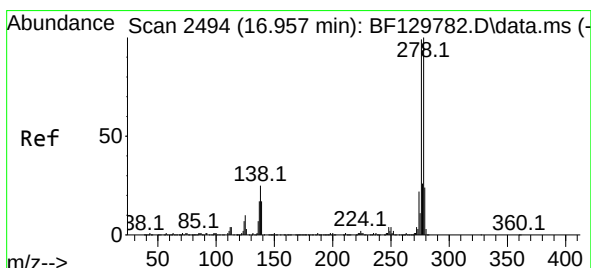
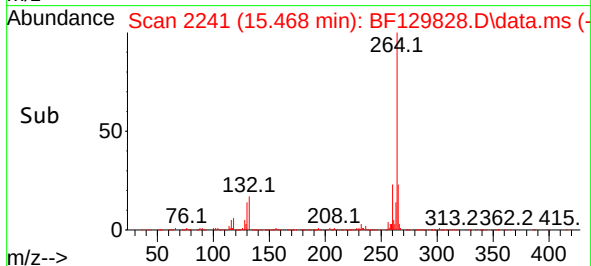
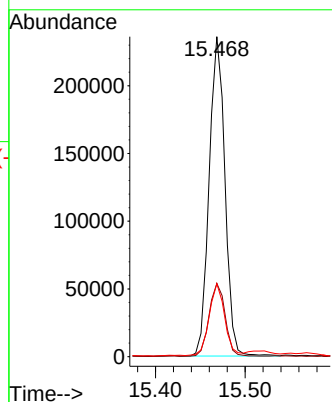
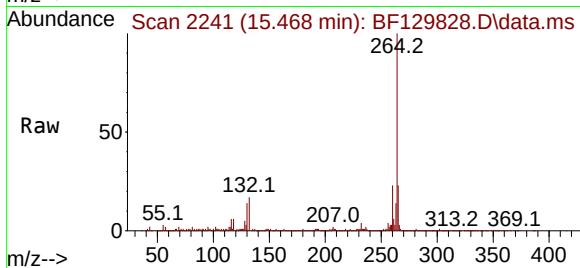
Tgt Ion:264 Resp: 288639

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 22.8 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.743 ng

RT: 16.945 min Scan# 2492

Delta R.T. -0.012 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

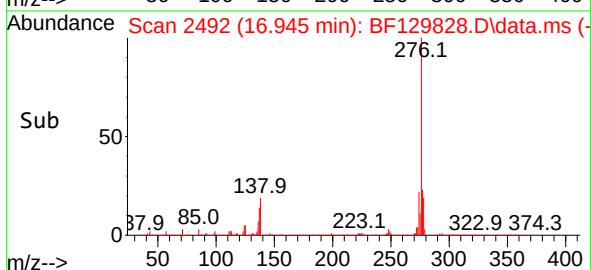
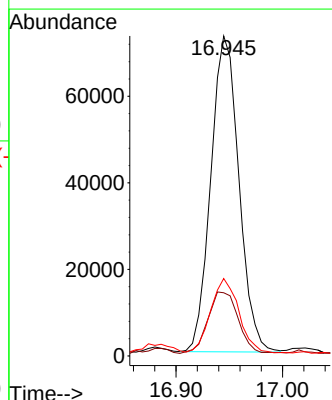
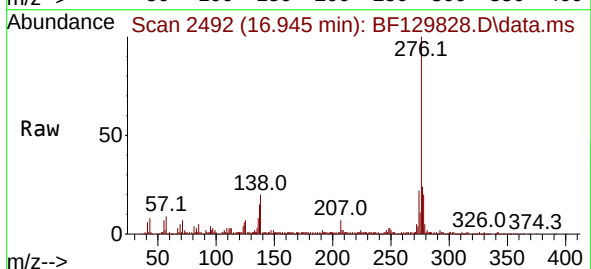
Tgt Ion:276 Resp: 133619

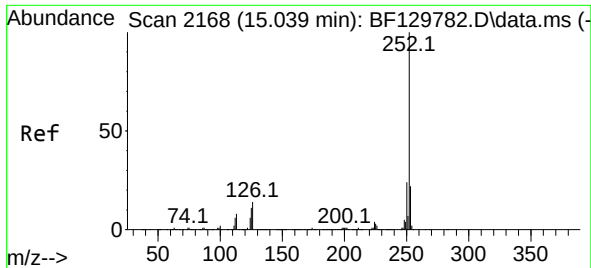
Ion Ratio Lower Upper

276 100

138 21.1 19.8 29.8

277 23.5 20.4 30.6

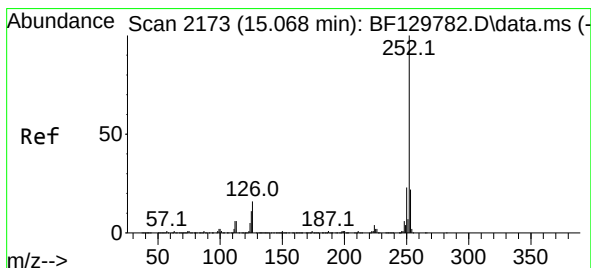
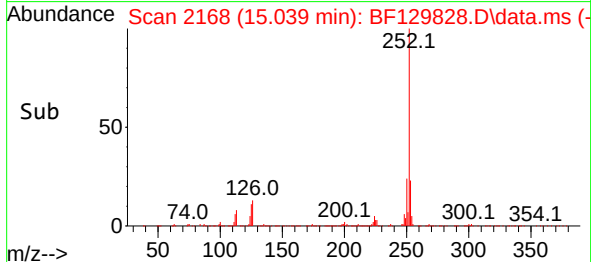
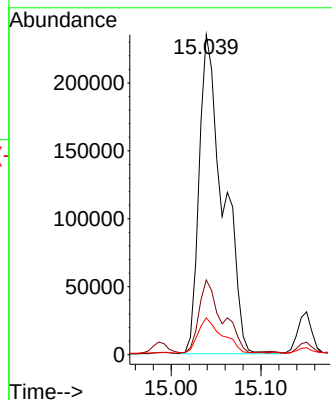
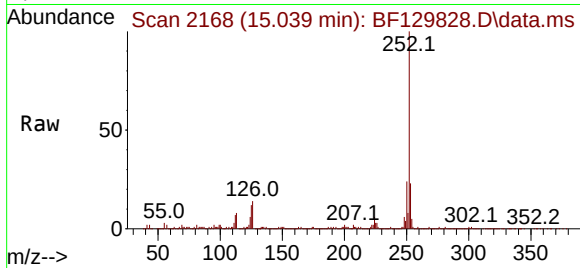




#88
Benzo(b)fluoranthene
Concen: 22.061 ng
RT: 15.039 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

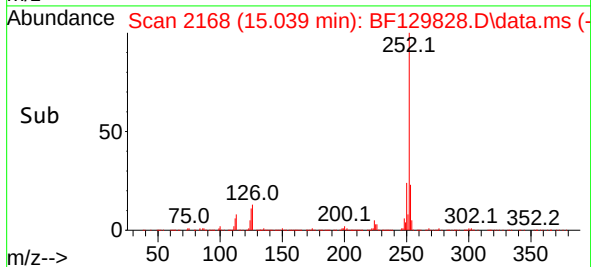
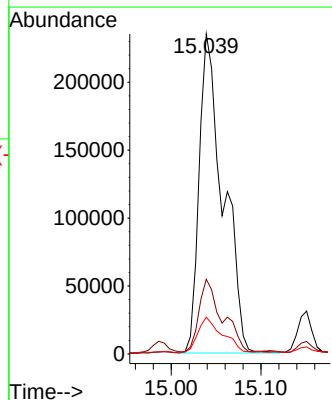
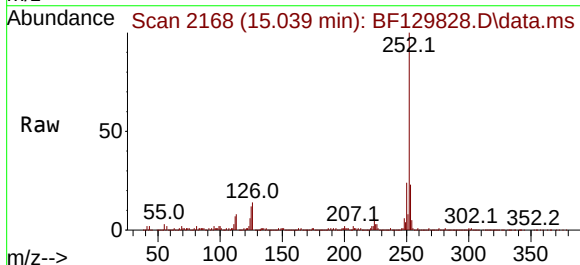
Instrument :
BNA_F
ClientSampleId :
RO-367

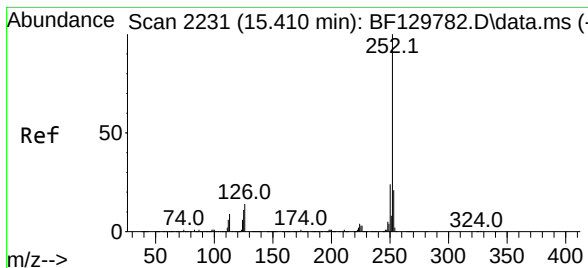
Tgt Ion:252 Resp: 436021
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.5 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 23.004 ng
RT: 15.039 min Scan# 2168
Delta R.T. -0.029 min
Lab File: BF129828.D
Acq: 17 Aug 2022 00:33

Tgt Ion:252 Resp: 436021
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.5 8.3 12.5





#90

Benzo(a)pyrene

Concen: 12.746 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

Instrument :

BNA_F

ClientSampleId :

RO-367

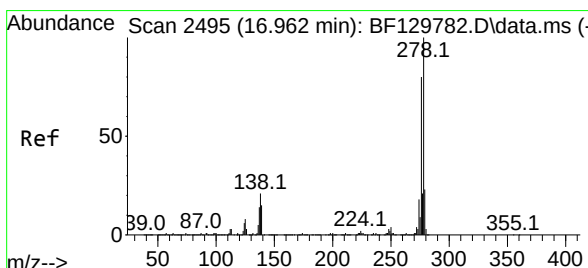
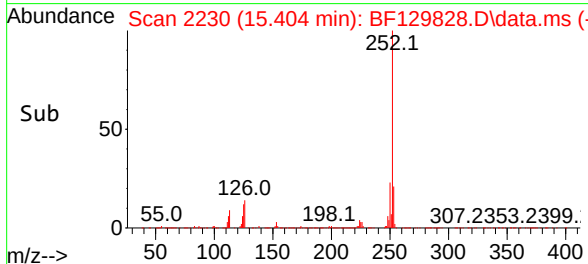
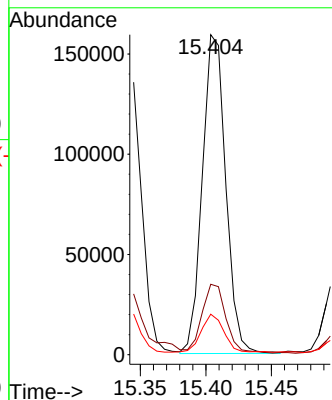
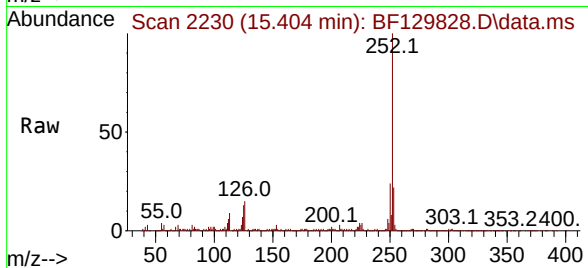
Tgt Ion:252 Resp: 198388

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 12.7 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.004 ng

RT: 16.945 min Scan# 2492

Delta R.T. -0.018 min

Lab File: BF129828.D

Acq: 17 Aug 2022 00:33

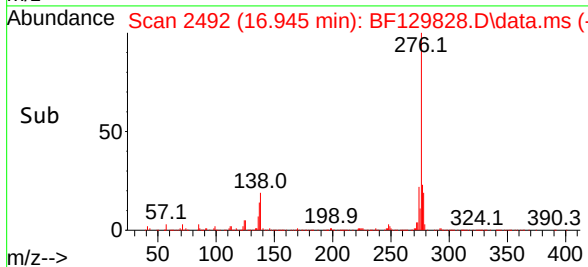
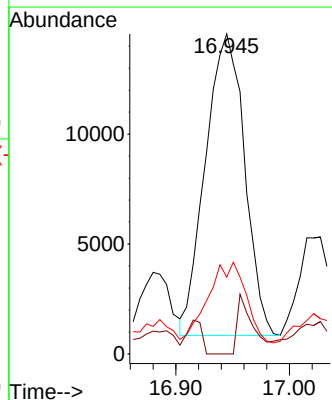
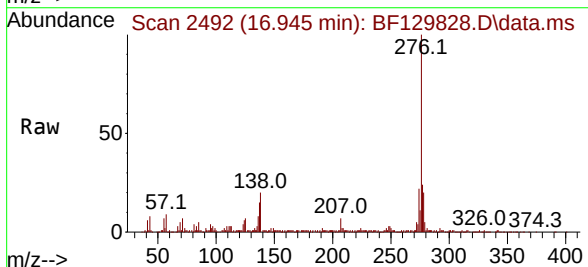
Tgt Ion:278 Resp: 32772

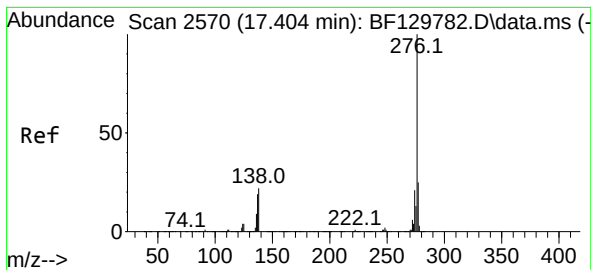
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

279 24.0 18.7 28.1





#92

Benzo(g,h,i)perylene

Concen: 7.846 ng

RT: 17.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129828.D

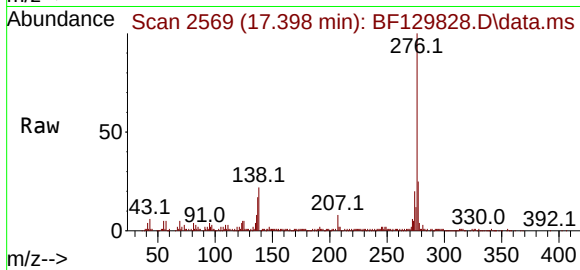
Acq: 17 Aug 2022 00:33

Instrument :

BNA_F

ClientSampleId :

RO-367



Tgt Ion:276 Resp: 127986

Ion Ratio Lower Upper

276 100

277 24.9 18.2 27.4

138 22.5 15.8 23.8

