

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
 Data File : BF129323.D
 Acq On : 22 Jul 2022 19:15
 Operator : CG\JU
 Sample : N3814-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-DE-4(0-5)

Quant Time: Jul 23 01:23:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 13:42:18 2022
 Response via : Initial Calibration

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

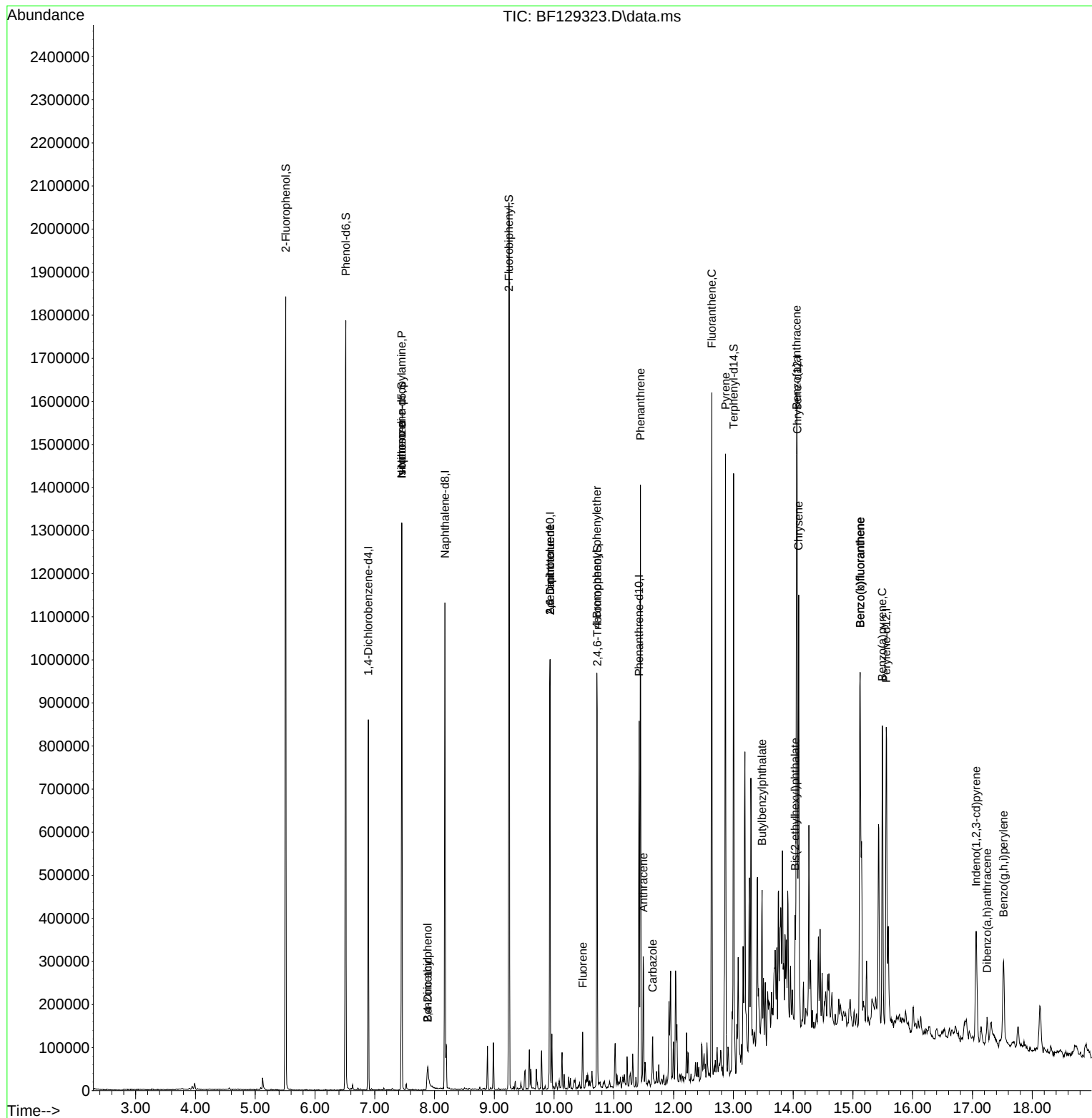
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	113075	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	435113	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	200047	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	276421	20.000	ng	0.00
76) Chrysene-d12	14.069	240	311013	20.000	ng	-0.01
86) Perylene-d12	15.557	264	310805	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	454135	65.506	ng	0.00
7) Phenol-d6	6.516	99	572662	64.799	ng	-0.01
23) Nitrobenzene-d5	7.451	82	374565	46.313	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	99050	51.320	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	597195	45.924	ng	-0.01
79) Terphenyl-d14	13.004	244	402521	24.104	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	51279	9.738	ng	# 78
25) Isophorone	7.451	82	374560	26.379	ng	# 65
27) 2,4-Dimethylphenol	7.887	122	22134	3.661	ng	# 3
32) Benzoic acid	7.887	122	22134	5.008	ng	97
51) 2,6-Dinitrotoluene	9.933	165	27154	8.824	ng	# 26
57) 2,4-Dinitrotoluene	9.933	165	27154	6.731	ng	# 21
58) Fluorene	10.480	166	34884	2.665	ng	96
67) 4-Bromophenyl-phenylether	10.716	248	6570	2.203	ng	# 1
71) Phenanthrene	11.445	178	440719	29.048	ng	98
72) Anthracene	11.492	178	109122	7.259	ng	97
73) Carbazole	11.651	167	37774	2.694	ng	98
75) Fluoranthene	12.639	202	575637	37.228	ng	98
78) Pyrene	12.869	202	531576	19.984	ng	98
80) Butylbenzylphthalate	13.480	149	88118	8.118	ng	87
81) Benzo(a)anthracene	14.057	228	425630	19.874	ng	99
83) Chrysene	14.092	228	337206	16.682	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	68568	5.144	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	174462	8.188	ng	93
88) Benzo(b)fluoranthene	15.121	252	621851	30.061	ng	99
89) Benzo(k)fluoranthene	15.121	252	621851	30.959	ng	99
90) Benzo(a)pyrene	15.492	252	328449	19.623	ng	97
91) Dibenzo(a,h)anthracene	17.245	278	37557	2.187	ng	95
92) Benzo(g,h,i)perylene	17.521	276	162900	9.129	ng	98

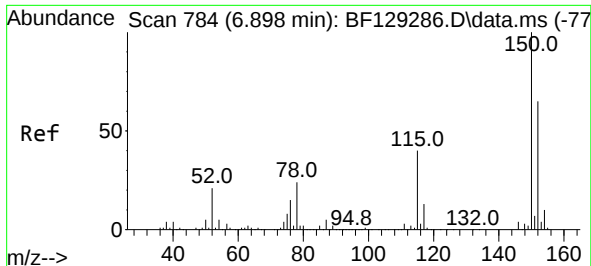
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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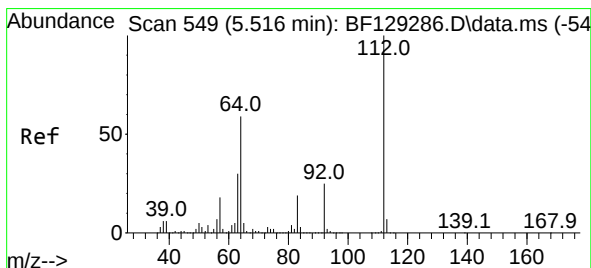
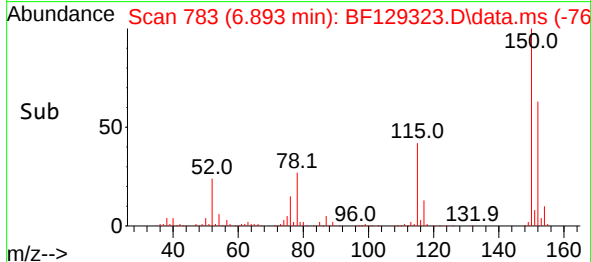
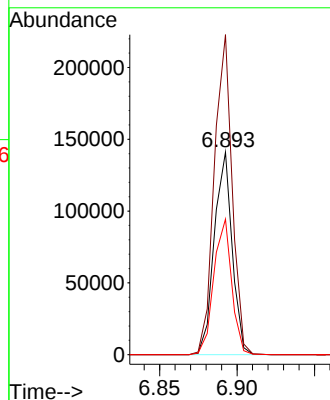
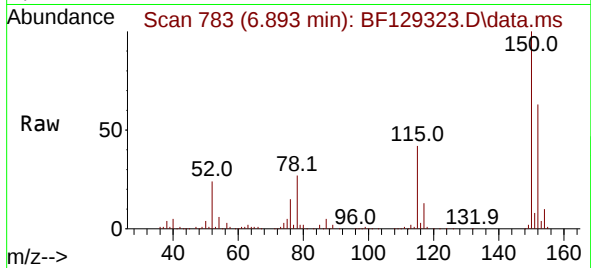




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129323.D
 Acq: 22 Jul 2022 19:15

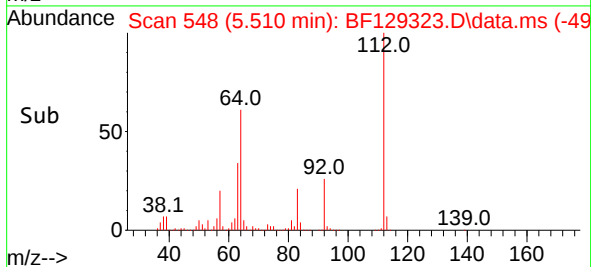
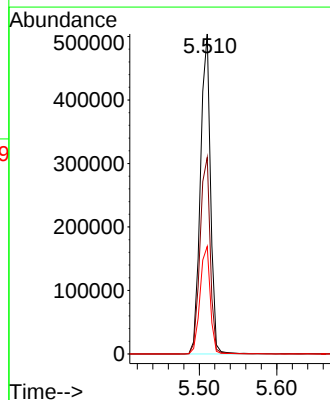
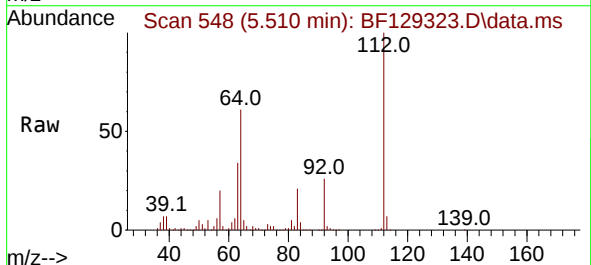
Instrument :
 BNA_F
 ClientSampleId :
 ENV-DE-4(0-5)

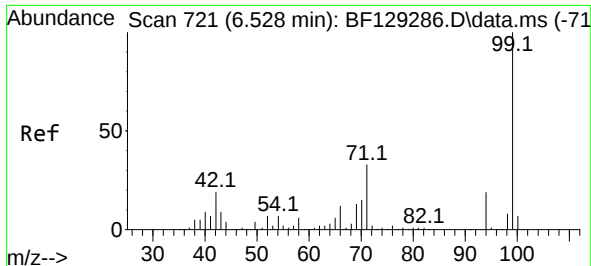
Tgt Ion:152 Resp: 113075
 Ion Ratio Lower Upper
 152 100
 150 158.0 123.7 185.5
 115 66.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 65.506 ng
 RT: 5.510 min Scan# 548
 Delta R.T. -0.006 min
 Lab File: BF129323.D
 Acq: 22 Jul 2022 19:15

Tgt Ion:112 Resp: 454135
 Ion Ratio Lower Upper
 112 100
 64 61.4 53.3 79.9
 63 33.6 28.0 42.0

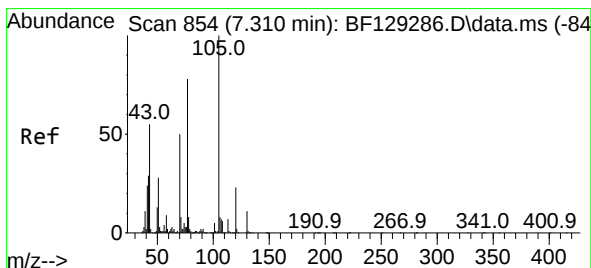
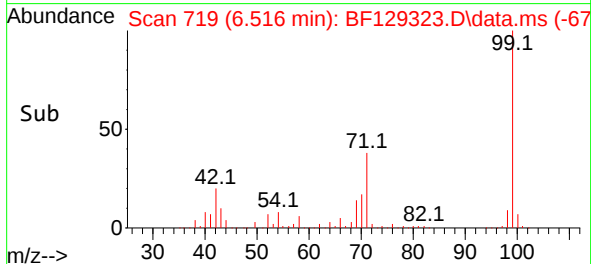
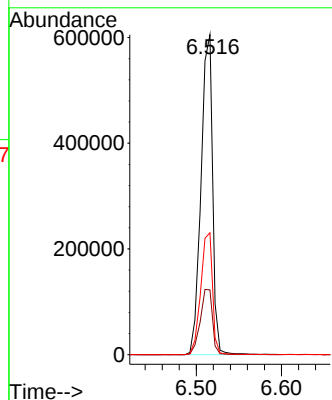
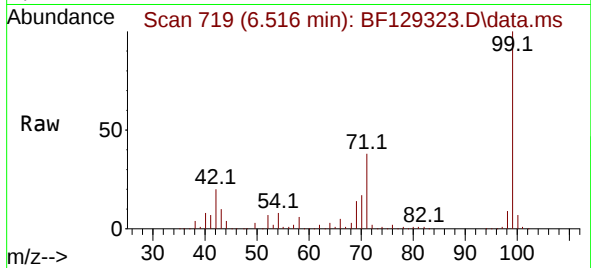




#7
Phenol-d6
Concen: 64.799 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

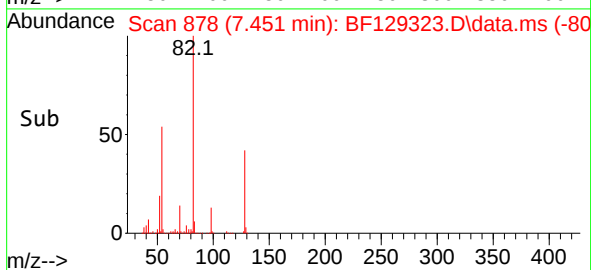
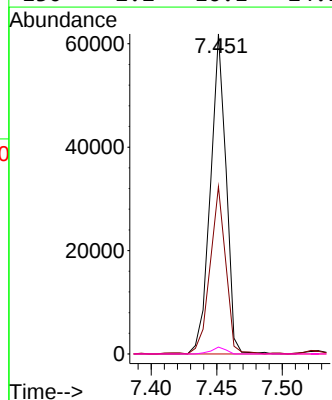
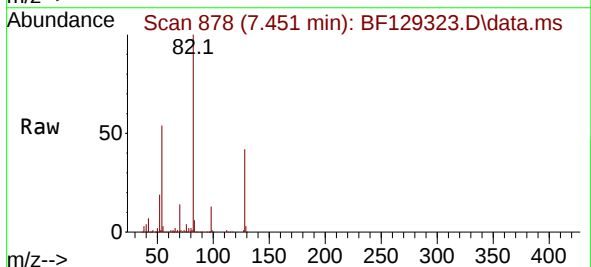
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

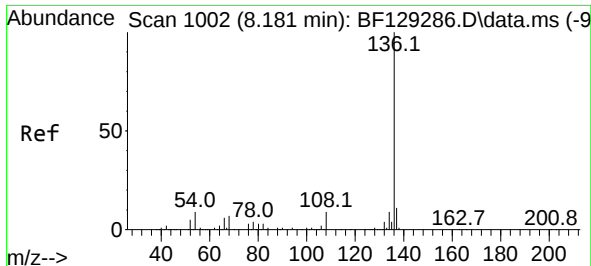
Tgt Ion: 99 Resp: 572662
Ion Ratio Lower Upper
99 100
42 20.2 17.3 25.9
71 38.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.738 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.141 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion: 70 Resp: 51279
Ion Ratio Lower Upper
70 100
42 52.3 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



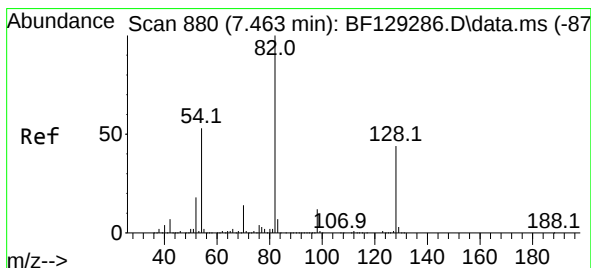
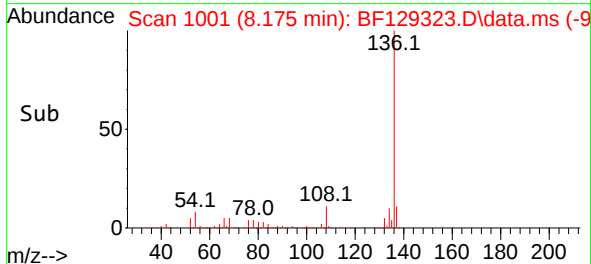
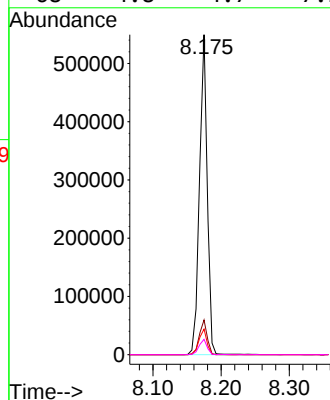
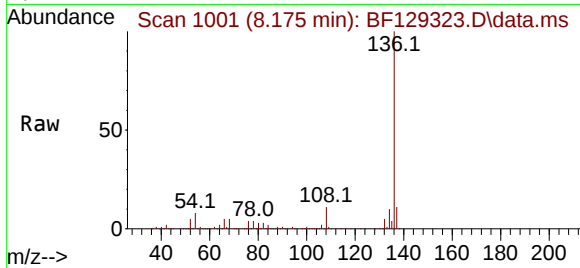


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

Tgt Ion:136 Resp: 435113

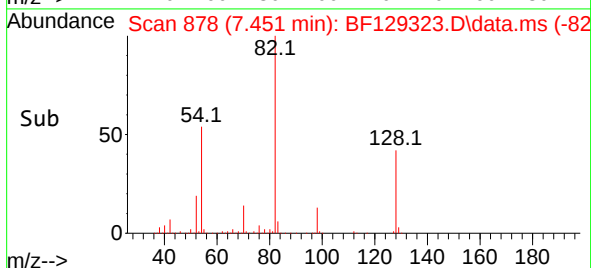
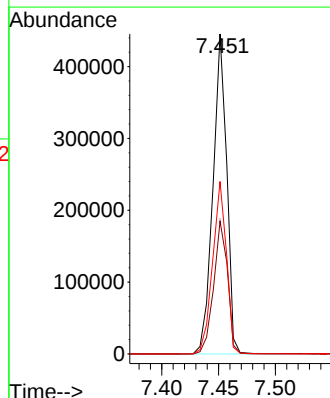
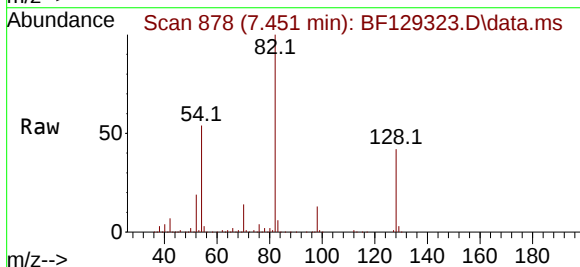
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.0	7.5	11.3
68	4.8	4.7	7.1

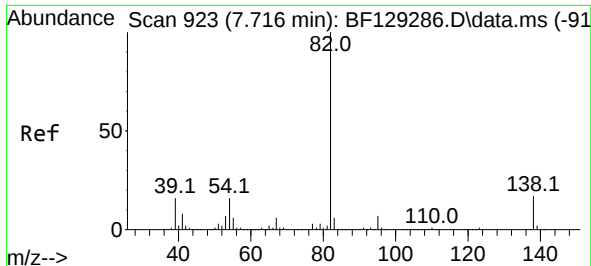


#23
Nitrobenzene-d5
Concen: 46.313 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion: 82 Resp: 374565

Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.0	51.0
54	53.9	46.9	70.3

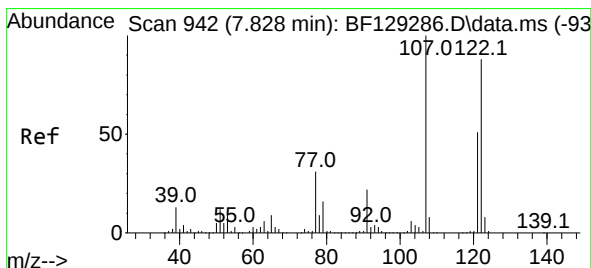
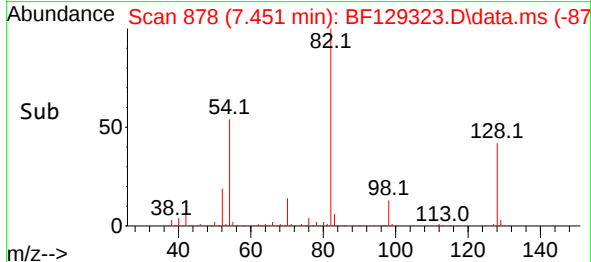
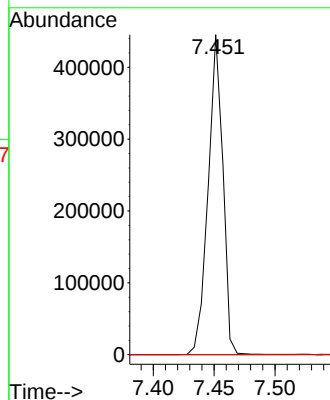
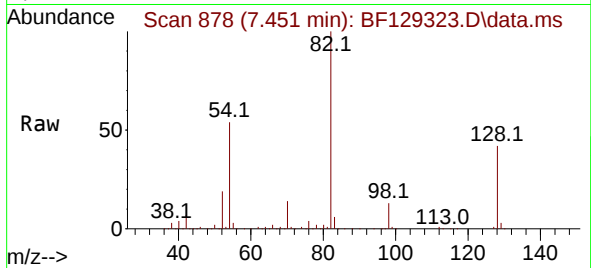




#25
Isophorone
Concen: 26.379 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

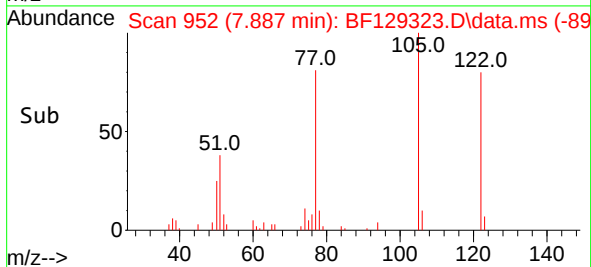
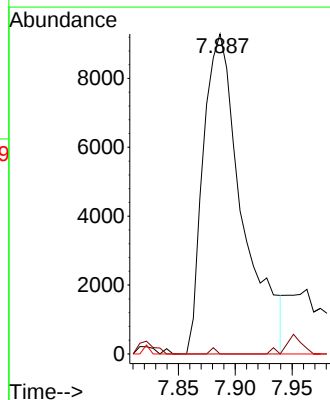
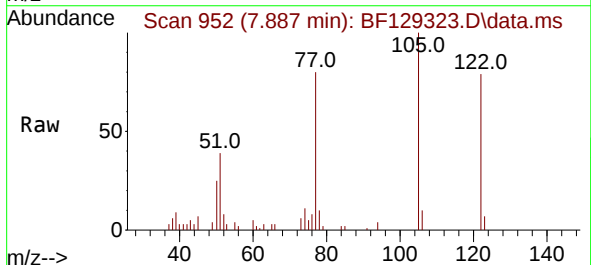
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

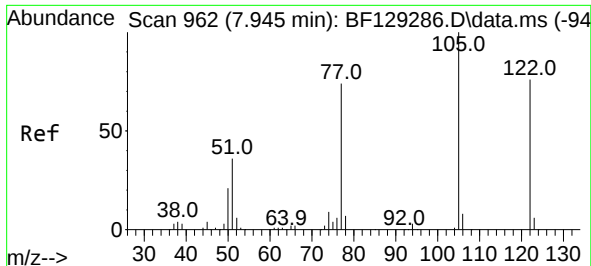
Tgt Ion: 82 Resp: 374560
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#27
2,4-Dimethylphenol
Concen: 3.661 ng
RT: 7.887 min Scan# 952
Delta R.T. 0.059 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion: 122 Resp: 22134
Ion Ratio Lower Upper
122 100
107 0.0 93.0 139.6#
121 0.0 46.6 70.0#

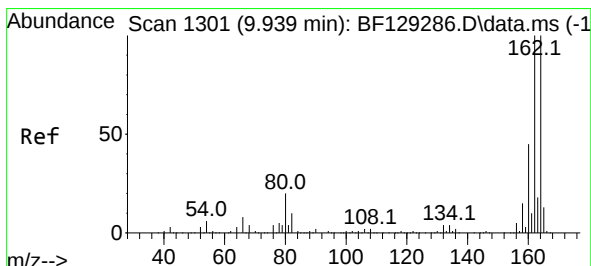
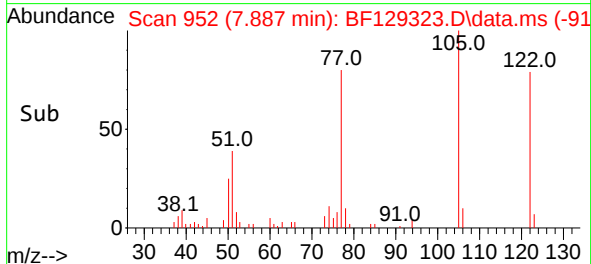
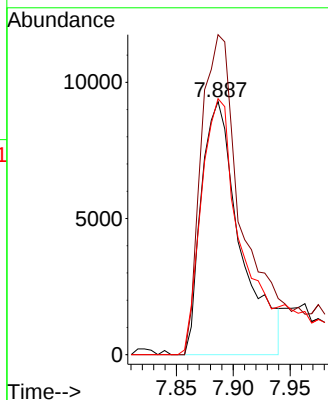
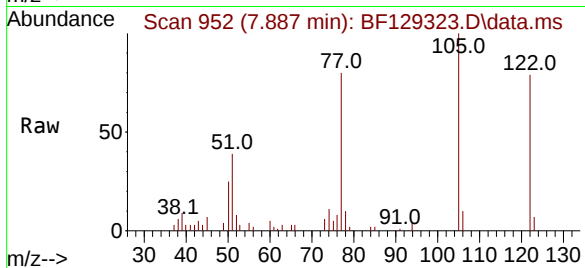




#32
Benzoic acid
Concen: 5.008 ng
RT: 7.887 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

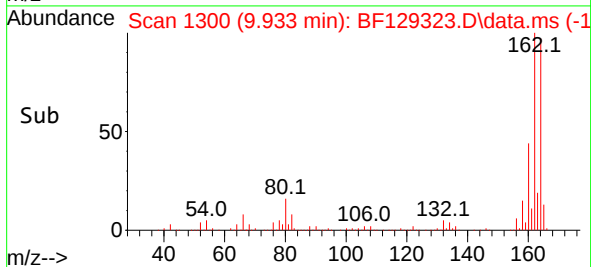
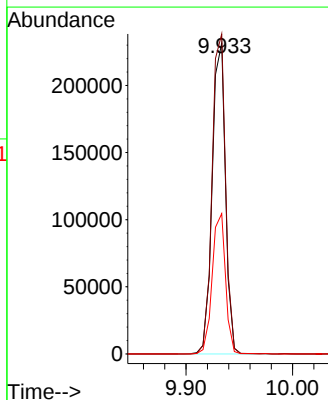
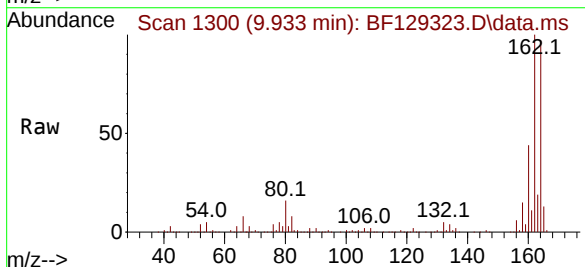
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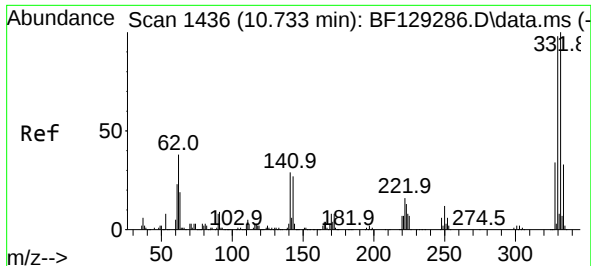
Tgt Ion:122 Resp: 22134
Ion Ratio Lower Upper
122 100
105 126.5 107.1 147.1
77 101.2 74.2 114.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion:164 Resp: 200047
Ion Ratio Lower Upper
164 100
162 102.9 79.5 119.3
160 45.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 51.320 ng

RT: 10.722 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(0-5)

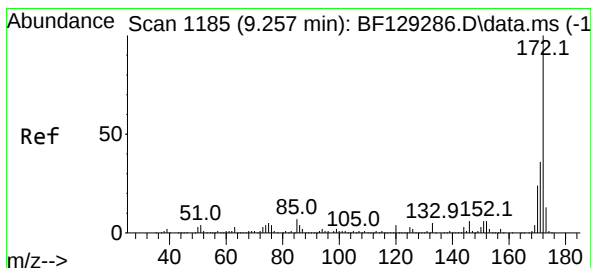
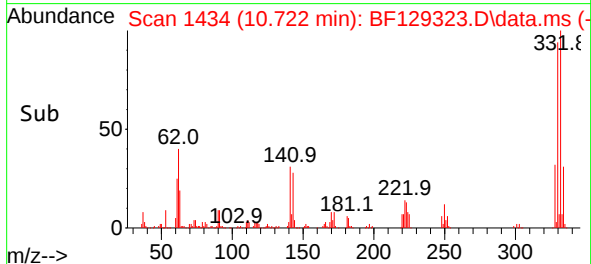
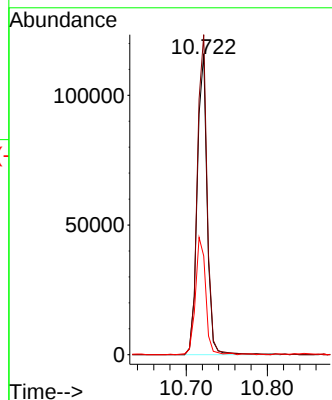
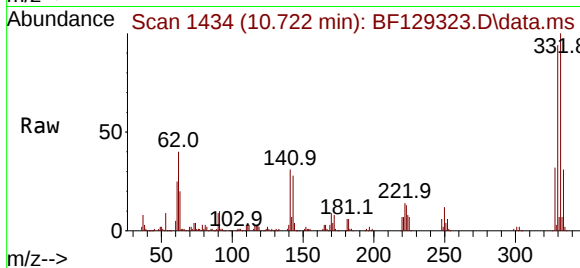
Tgt Ion:330 Resp: 99050

Ion Ratio Lower Upper

330 100

332 105.4 76.8 115.2

141 40.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 45.924 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.012 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

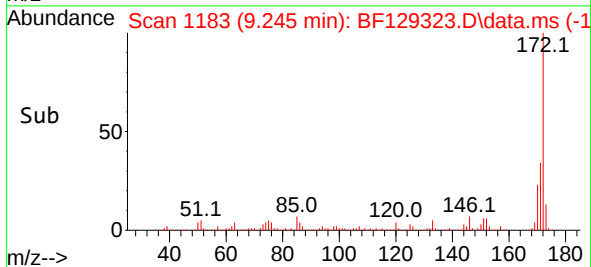
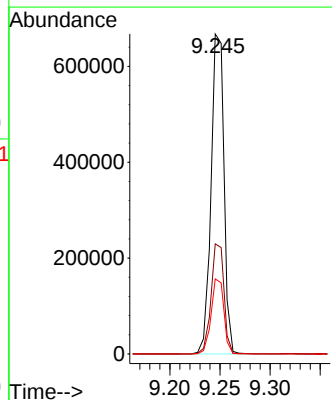
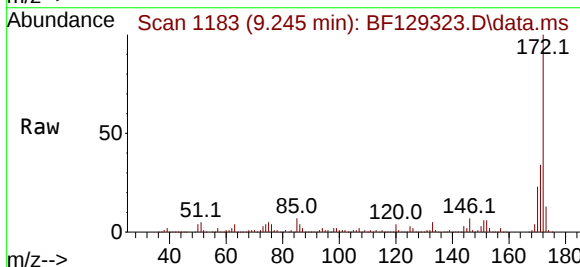
Tgt Ion:172 Resp: 597195

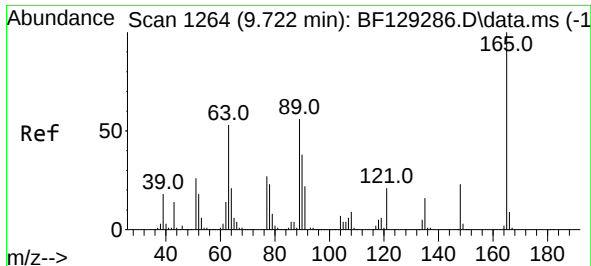
Ion Ratio Lower Upper

172 100

171 34.4 28.8 43.2

170 23.5 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.824 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(0-5)

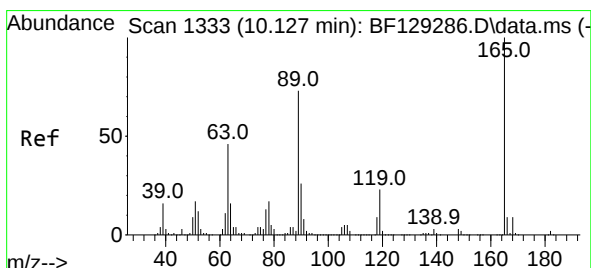
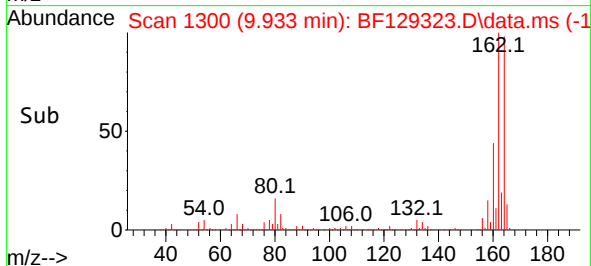
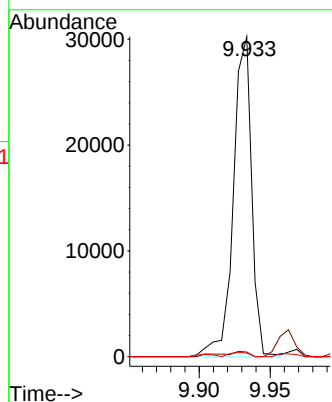
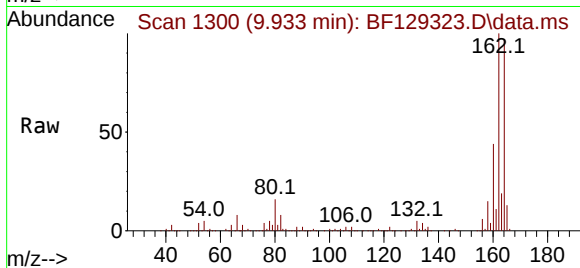
Tgt Ion:165 Resp: 27154

Ion Ratio Lower Upper

165 100

63 1.5 44.9 67.3#

89 1.2 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.731 ng

RT: 9.933 min Scan# 1300

Delta R.T. -0.194 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

Tgt Ion:165 Resp: 27154

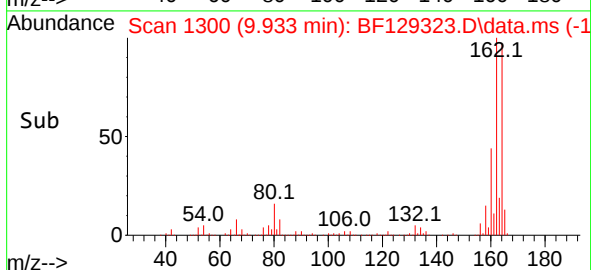
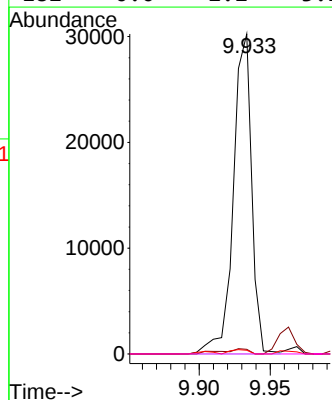
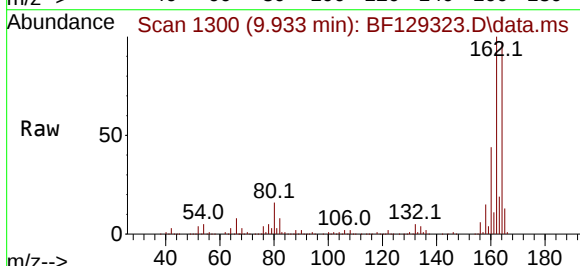
Ion Ratio Lower Upper

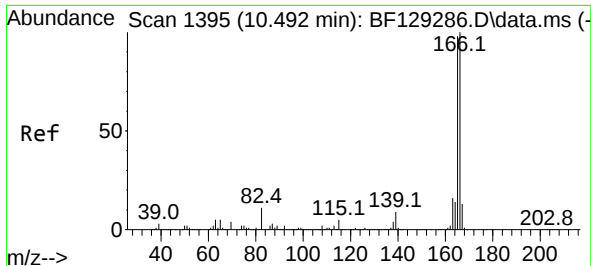
165 100

63 1.5 39.8 59.6#

89 1.2 60.2 90.2#

182 0.0 2.2 3.2#

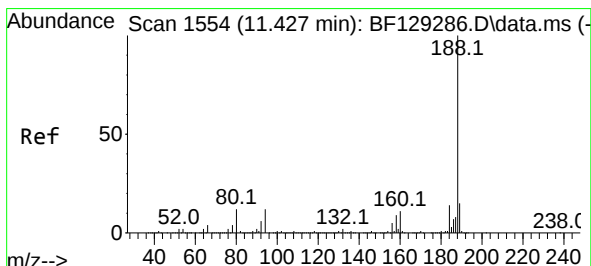
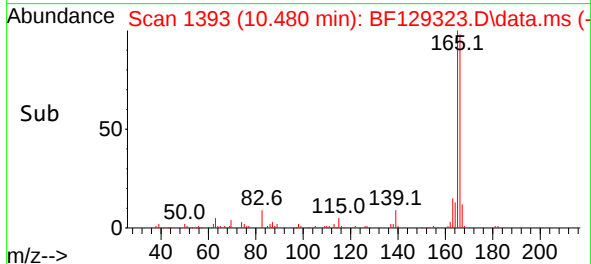
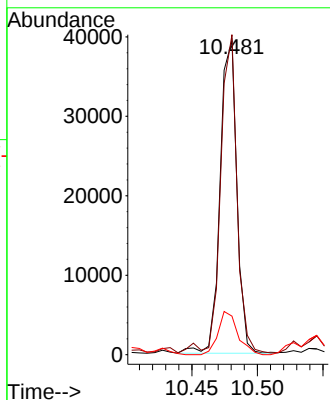
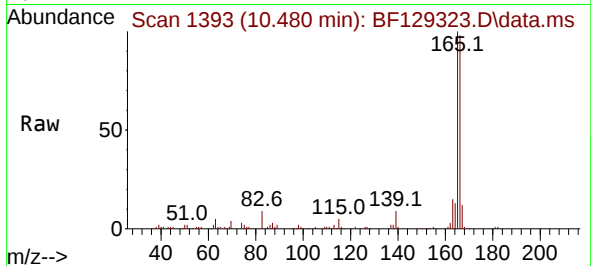




#58
 Fluorene
 Concen: 2.665 ng
 RT: 10.480 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129323.D
 Acq: 22 Jul 2022 19:15

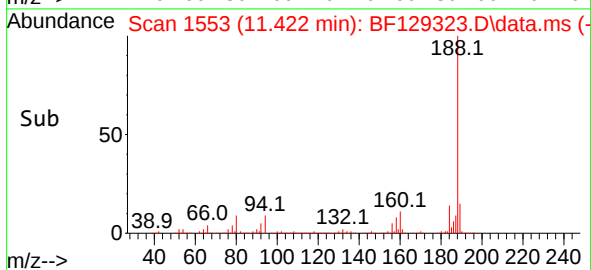
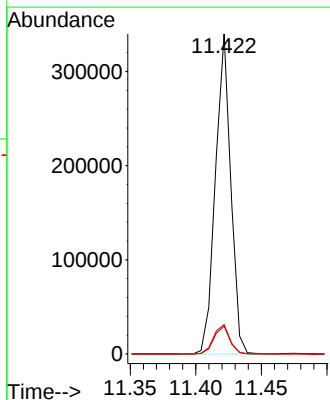
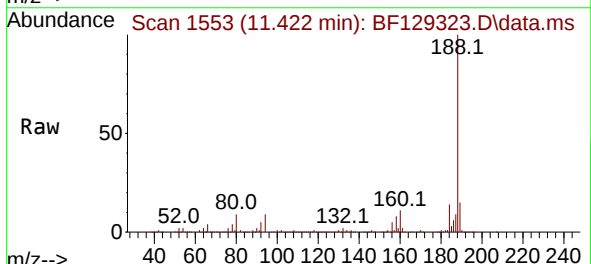
Instrument :
 BNA_F
 ClientSampleId :
 ENV-DE-4(0-5)

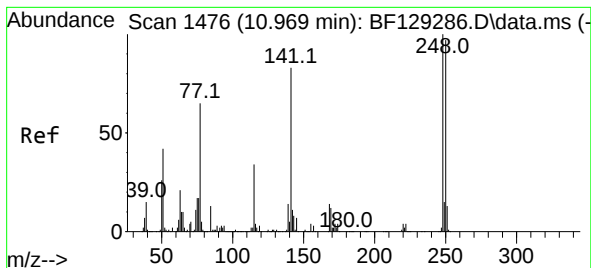
Tgt Ion:166 Resp: 34884
 Ion Ratio Lower Upper
 166 100
 165 101.9 78.1 117.1
 167 12.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1553
 Delta R.T. -0.006 min
 Lab File: BF129323.D
 Acq: 22 Jul 2022 19:15

Tgt Ion:188 Resp: 276421
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.0 10.6
 80 9.2 7.6 11.4

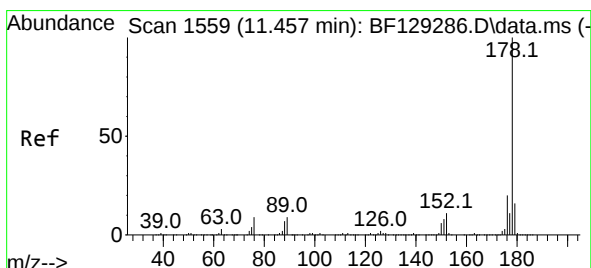
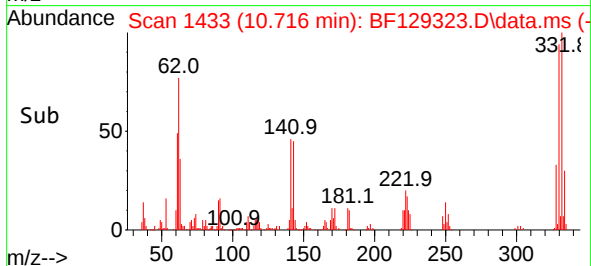
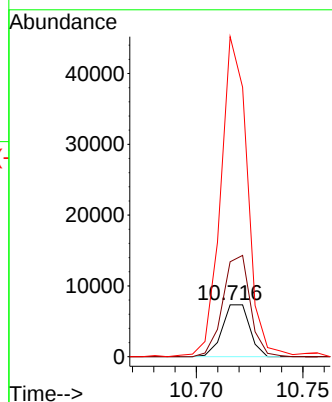
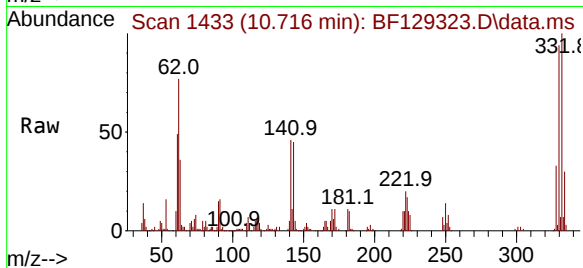




#67
4-Bromophenyl-phenylether
Concen: 2.203 ng
RT: 10.716 min Scan# 1476
Delta R.T. -0.253 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

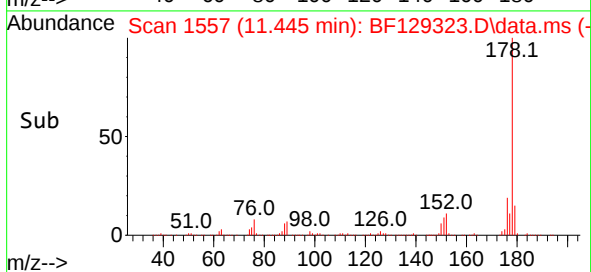
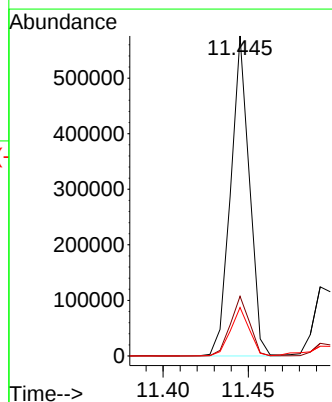
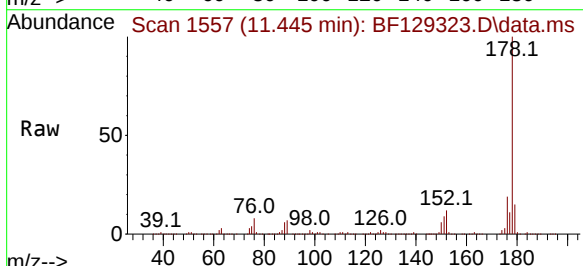
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

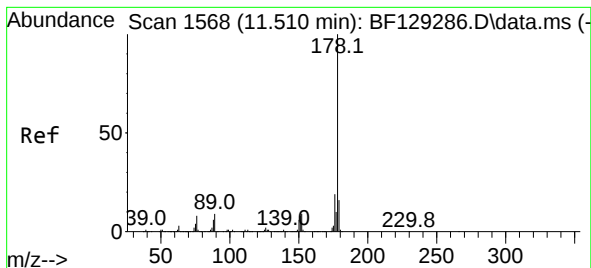
Tgt Ion:248 Resp: 6570
Ion Ratio Lower Upper
248 100
250 182.8 80.6 120.8#
141 617.1 58.9 88.3#



#71
Phenanthrene
Concen: 29.048 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion:178 Resp: 440719
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.1 12.6 19.0





#72

Anthracene

Concen: 7.259 ng

RT: 11.492 min Scan# 1565

Delta R.T. -0.018 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(0-5)

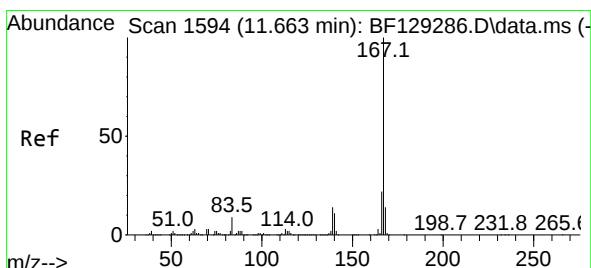
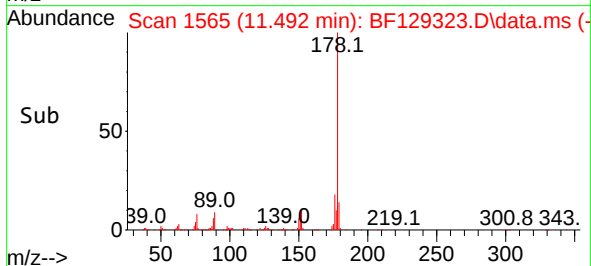
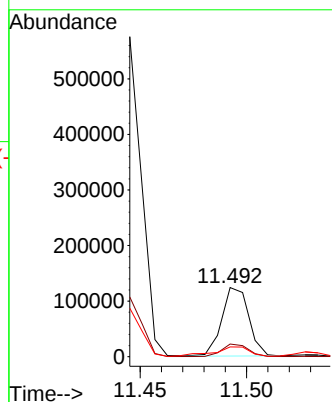
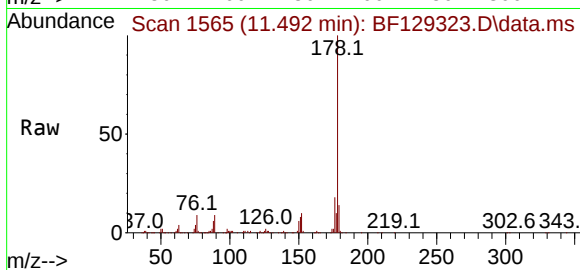
Tgt Ion:178 Resp: 109122

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

179 14.1 12.6 19.0



#73

Carbazole

Concen: 2.694 ng

RT: 11.651 min Scan# 1592

Delta R.T. -0.012 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

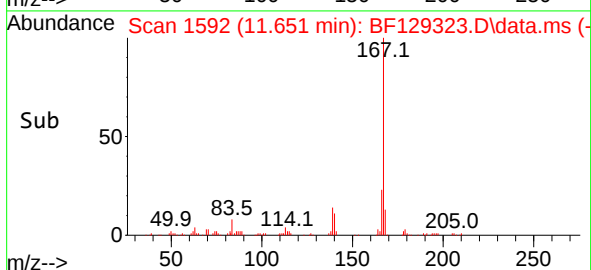
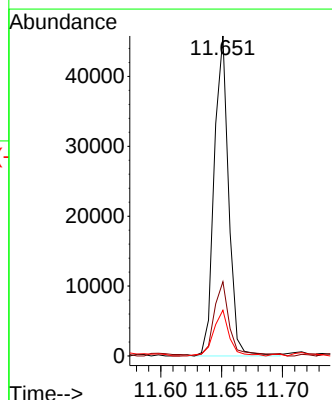
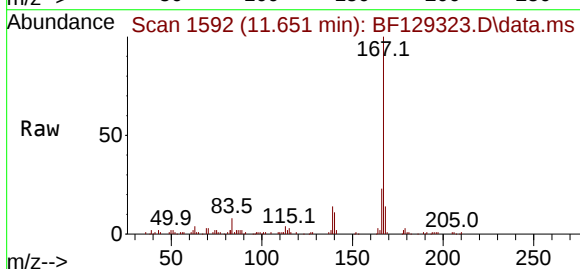
Tgt Ion:167 Resp: 37774

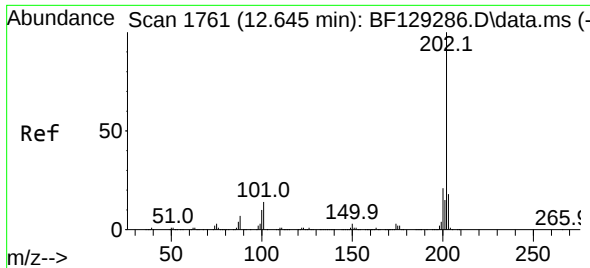
Ion Ratio Lower Upper

167 100

166 23.2 17.7 26.5

139 14.3 11.2 16.8

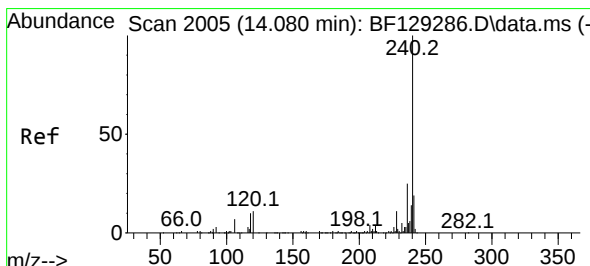
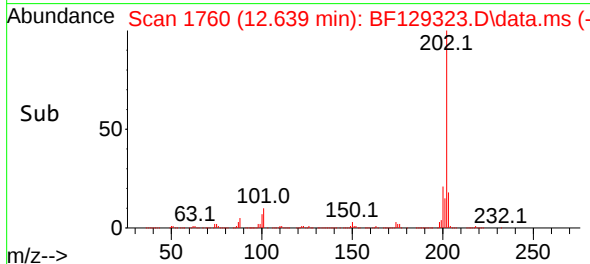
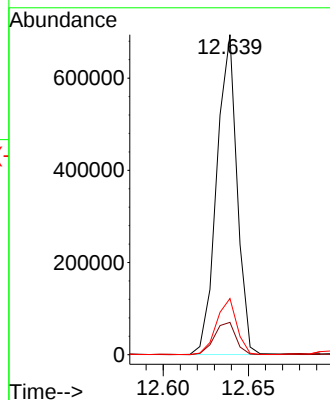
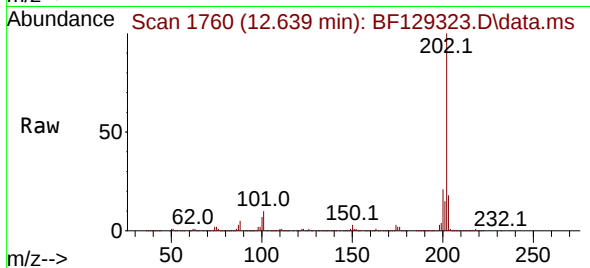




#75
Fluoranthene
Concen: 37.228 ng
RT: 12.639 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

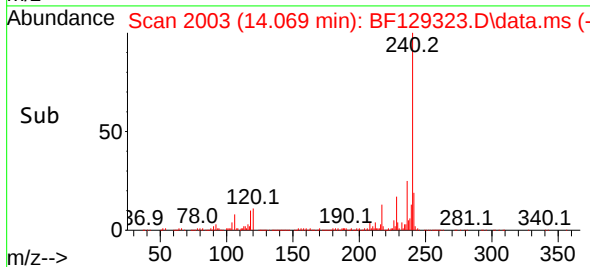
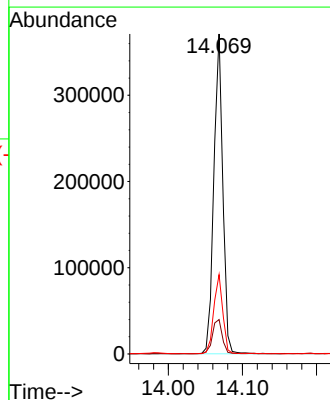
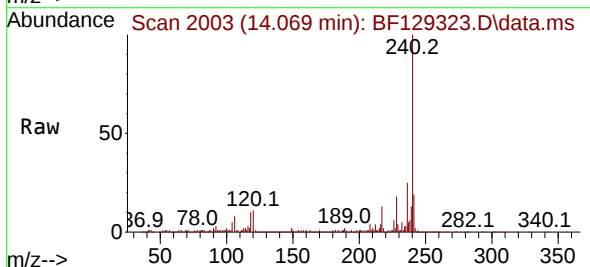
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

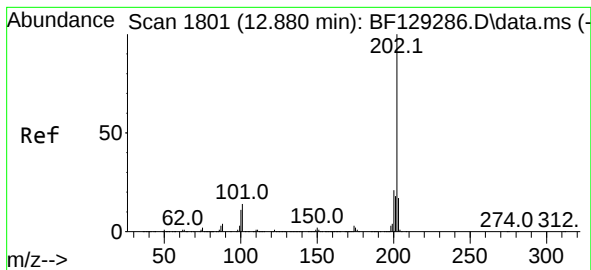
Tgt Ion:202 Resp: 575637
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion:240 Resp: 311013
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 24.8 20.8 31.2





#78

Pyrene

Concen: 19.984 ng

RT: 12.869 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(0-5)

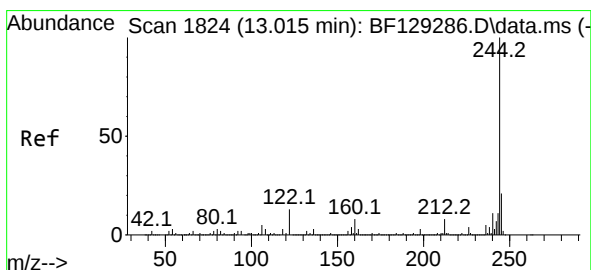
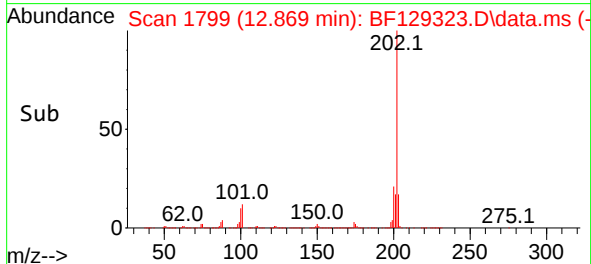
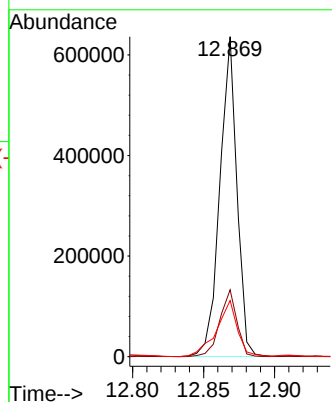
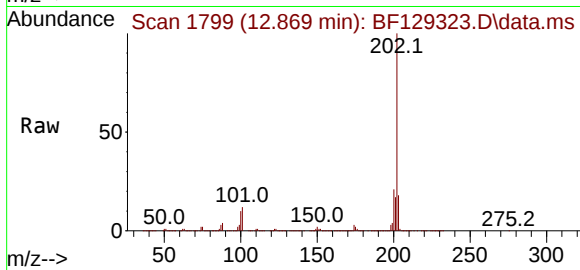
Tgt Ion:202 Resp: 531576

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

203 17.6 14.6 21.8



#79

Terphenyl-d14

Concen: 24.104 ng

RT: 13.004 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

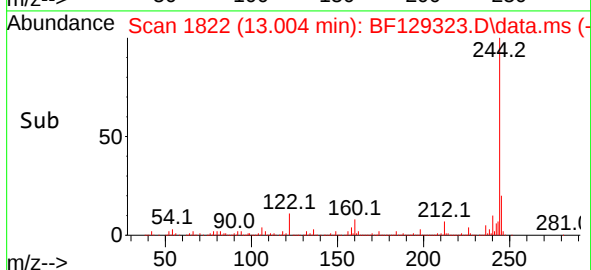
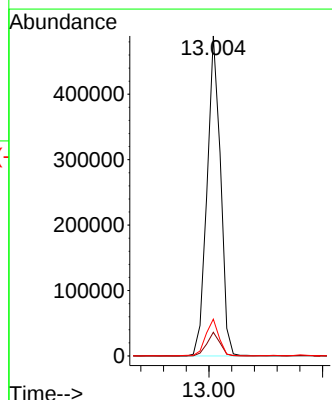
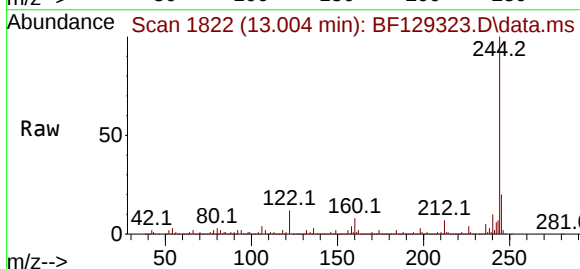
Tgt Ion:244 Resp: 402521

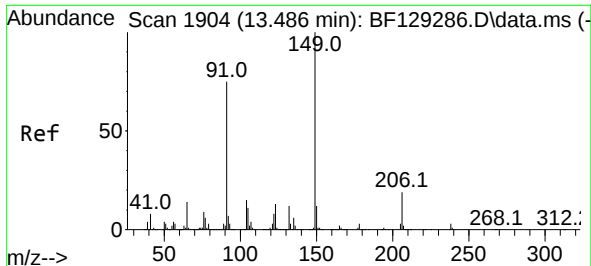
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 11.5 8.8 13.2

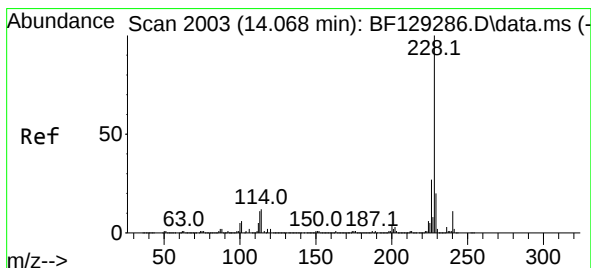
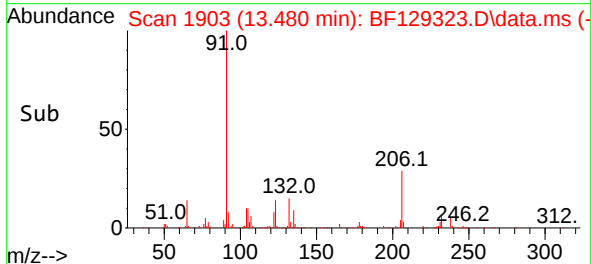
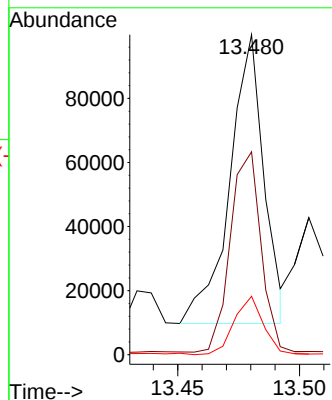
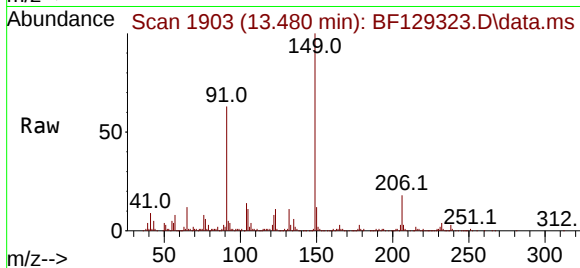




#80
Butylbenzylphthalate
Concen: 8.118 ng
RT: 13.480 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

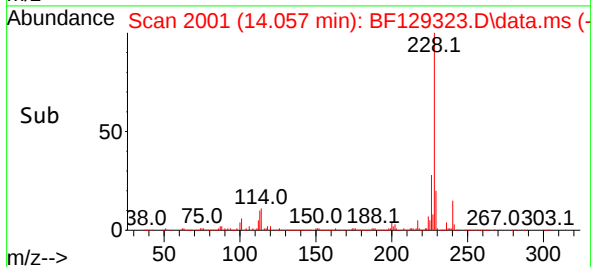
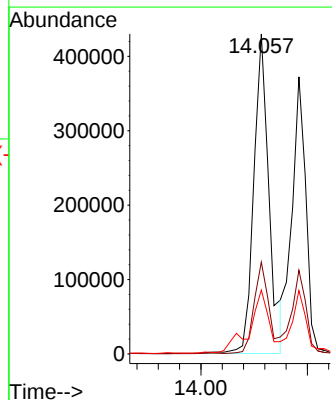
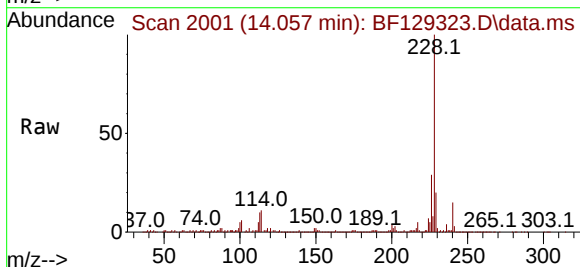
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

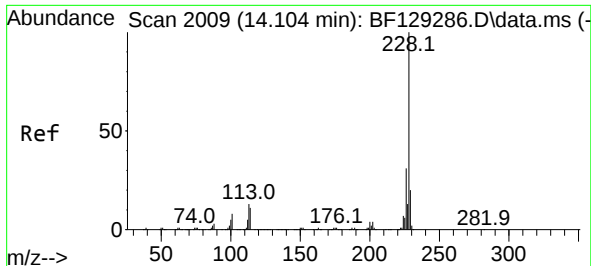
Tgt Ion:	149	Resp:	88118
Ion Ratio	Lower	Upper	
149	100		
91	63.4	61.2	91.8
206	18.2	15.7	23.5



#81
Benzo(a)anthracene
Concen: 19.874 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion:	228	Resp:	425630
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.1	33.1
229	20.0	15.8	23.8

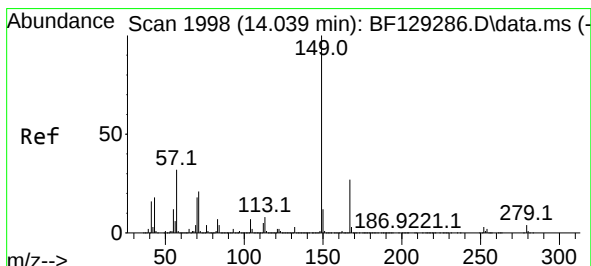
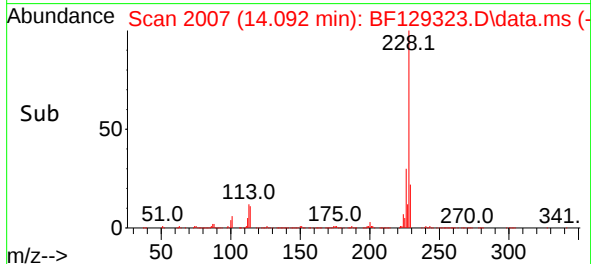
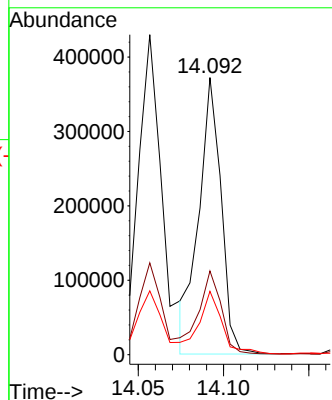
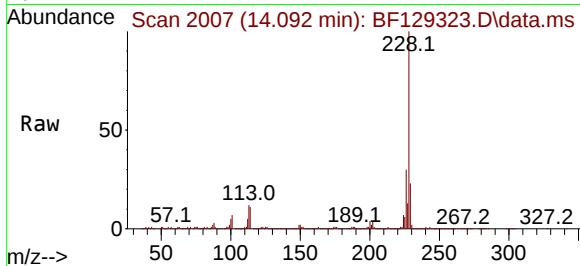




#83
Chrysene
Concen: 16.682 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

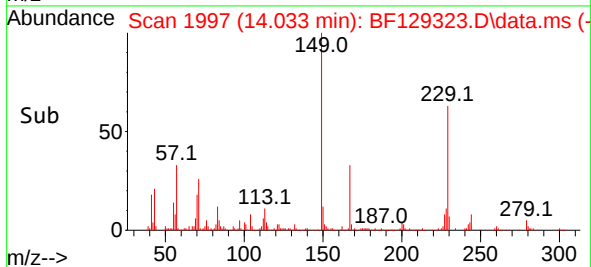
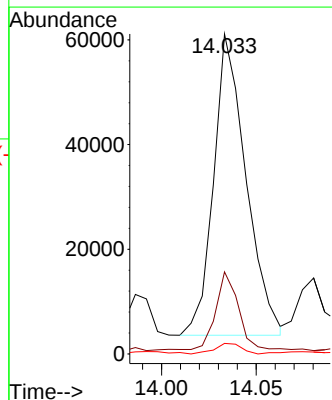
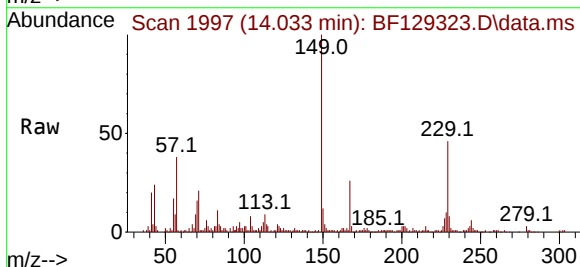
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

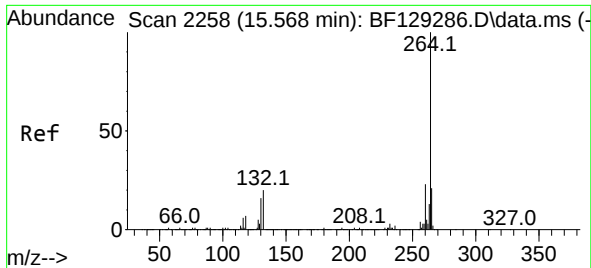
Tgt Ion:228 Resp: 337206
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.9 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.144 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion:149 Resp: 68568
Ion Ratio Lower Upper
149 100
167 25.7 21.0 31.4
279 3.3 3.1 4.7

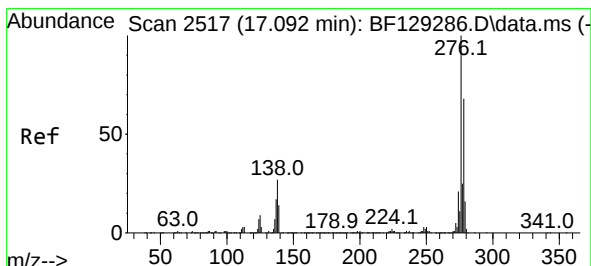
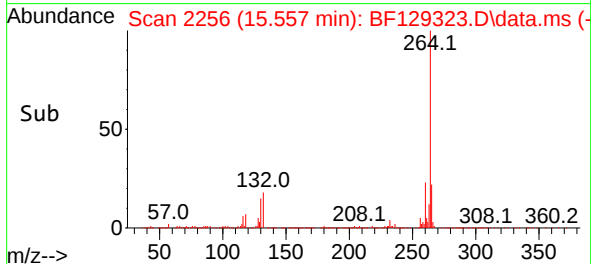
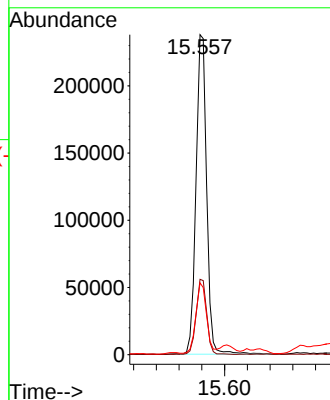
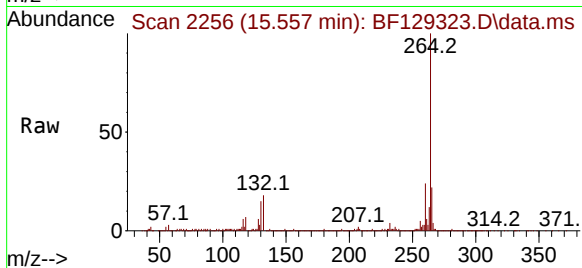




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

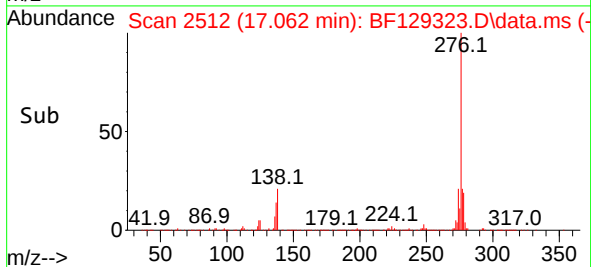
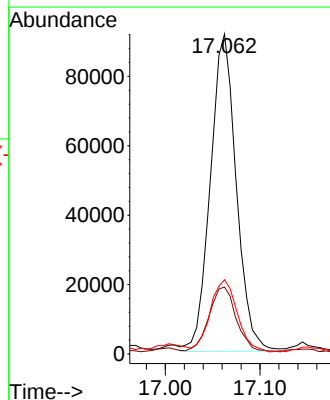
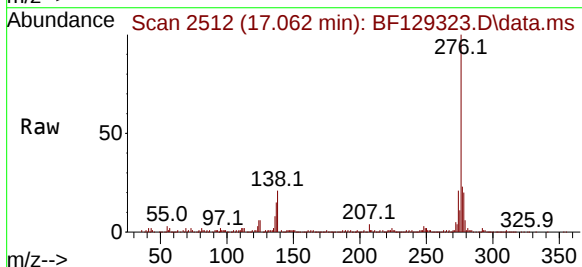
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(0-5)

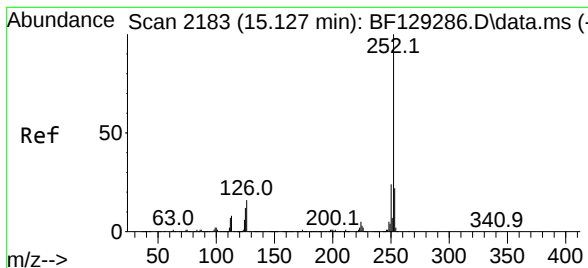
Tgt Ion:264 Resp: 310805
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 22.5 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.188 ng
RT: 17.062 min Scan# 2512
Delta R.T. -0.029 min
Lab File: BF129323.D
Acq: 22 Jul 2022 19:15

Tgt Ion:276 Resp: 174462
Ion Ratio Lower Upper
276 100
138 21.5 21.1 31.7
277 23.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 30.061 ng

RT: 15.121 min Scan# 2183

Delta R.T. -0.006 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(0-5)

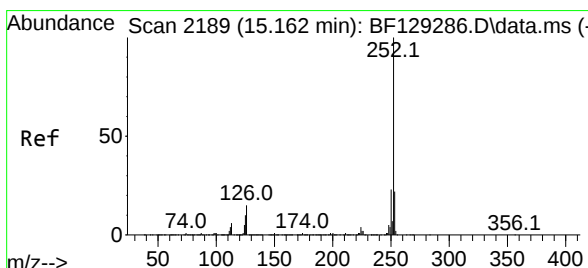
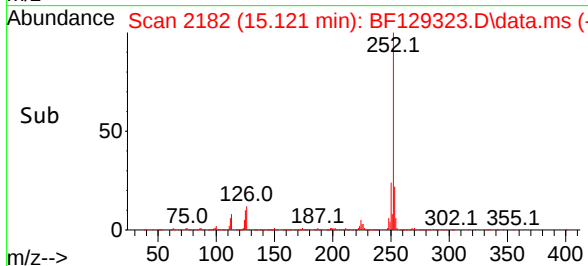
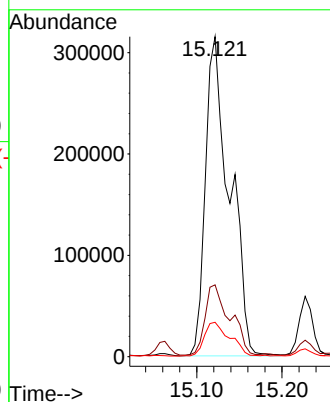
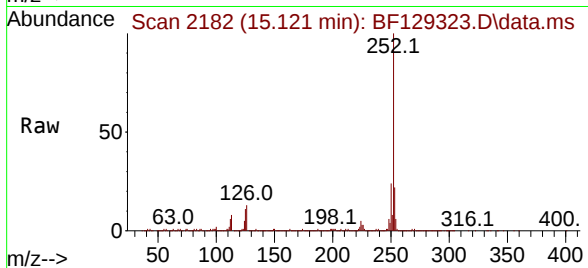
Tgt Ion:252 Resp: 621851

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 10.7 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 30.959 ng

RT: 15.121 min Scan# 2182

Delta R.T. -0.041 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

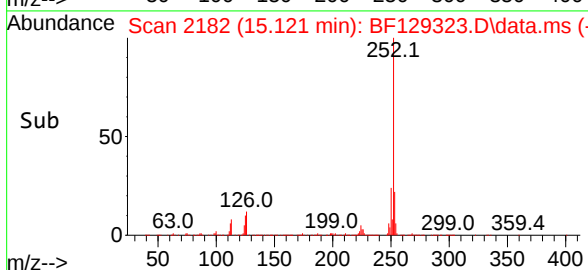
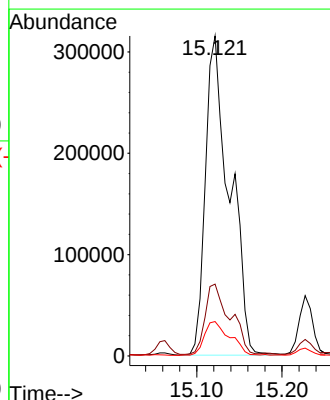
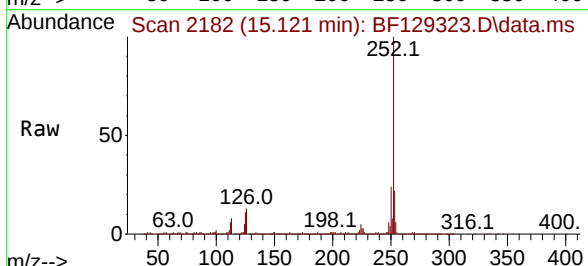
Tgt Ion:252 Resp: 621851

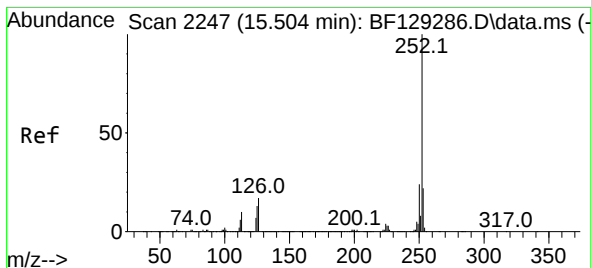
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 10.7 8.3 12.5





#90

Benzo(a)pyrene

Concen: 19.623 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(0-5)

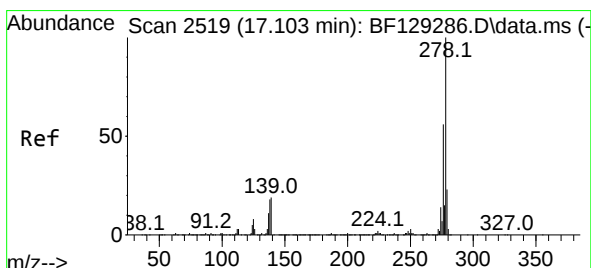
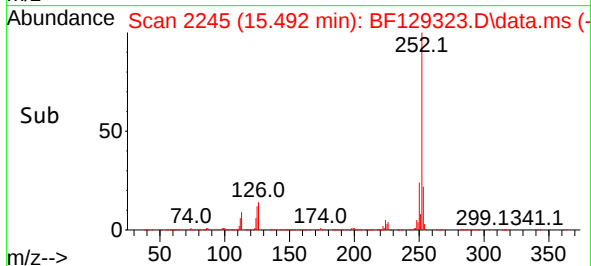
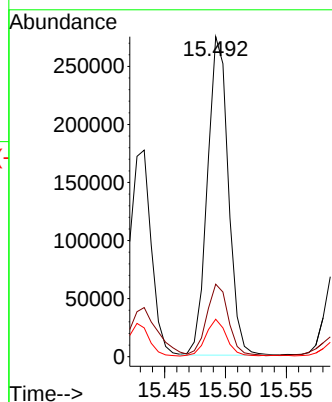
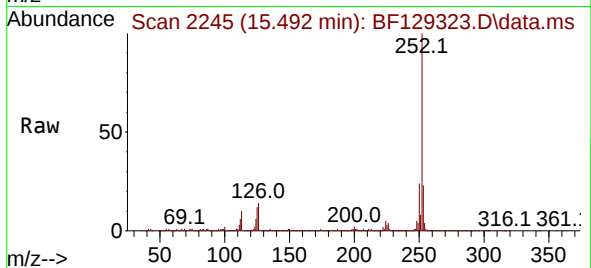
Tgt Ion:252 Resp: 328449

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 11.7 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.187 ng

RT: 17.245 min Scan# 2543

Delta R.T. 0.141 min

Lab File: BF129323.D

Acq: 22 Jul 2022 19:15

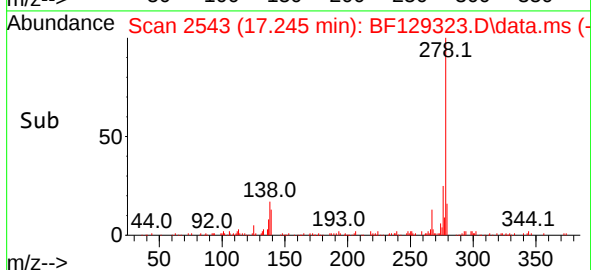
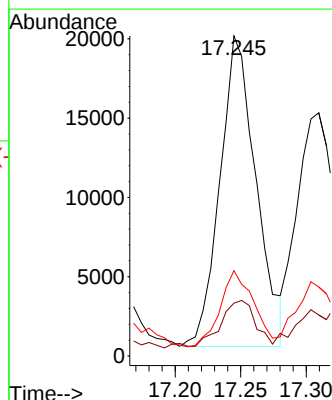
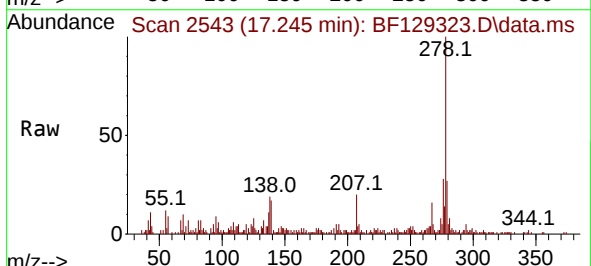
Tgt Ion:278 Resp: 37557

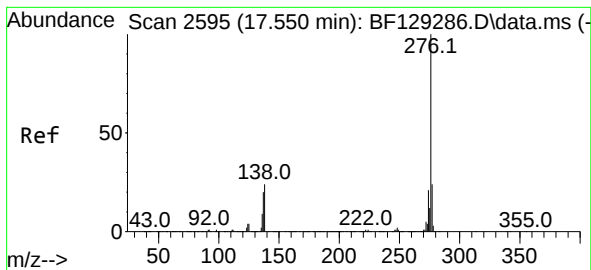
Ion Ratio Lower Upper

278 100

139 16.5 12.8 19.2

279 26.6 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 9.129 ng

RT: 17.521 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF129323.D

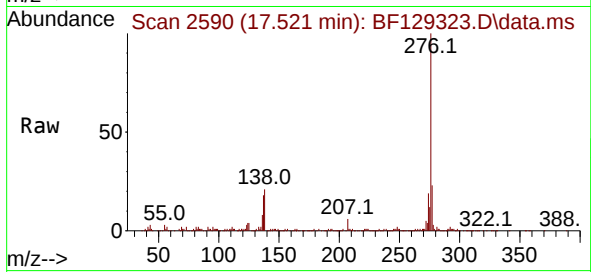
Acq: 22 Jul 2022 19:15

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(0-5)



Tgt Ion:276 Resp: 162900

Ion Ratio Lower Upper

276 100

277 22.8 19.1 28.7

138 21.1 18.0 27.0

