

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
 Data File : BF129324.D
 Acq On : 22 Jul 2022 19:48
 Operator : CG\JU
 Sample : N3814-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-DE-4(10-15)

Quant Time: Jul 23 01:24:00 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)

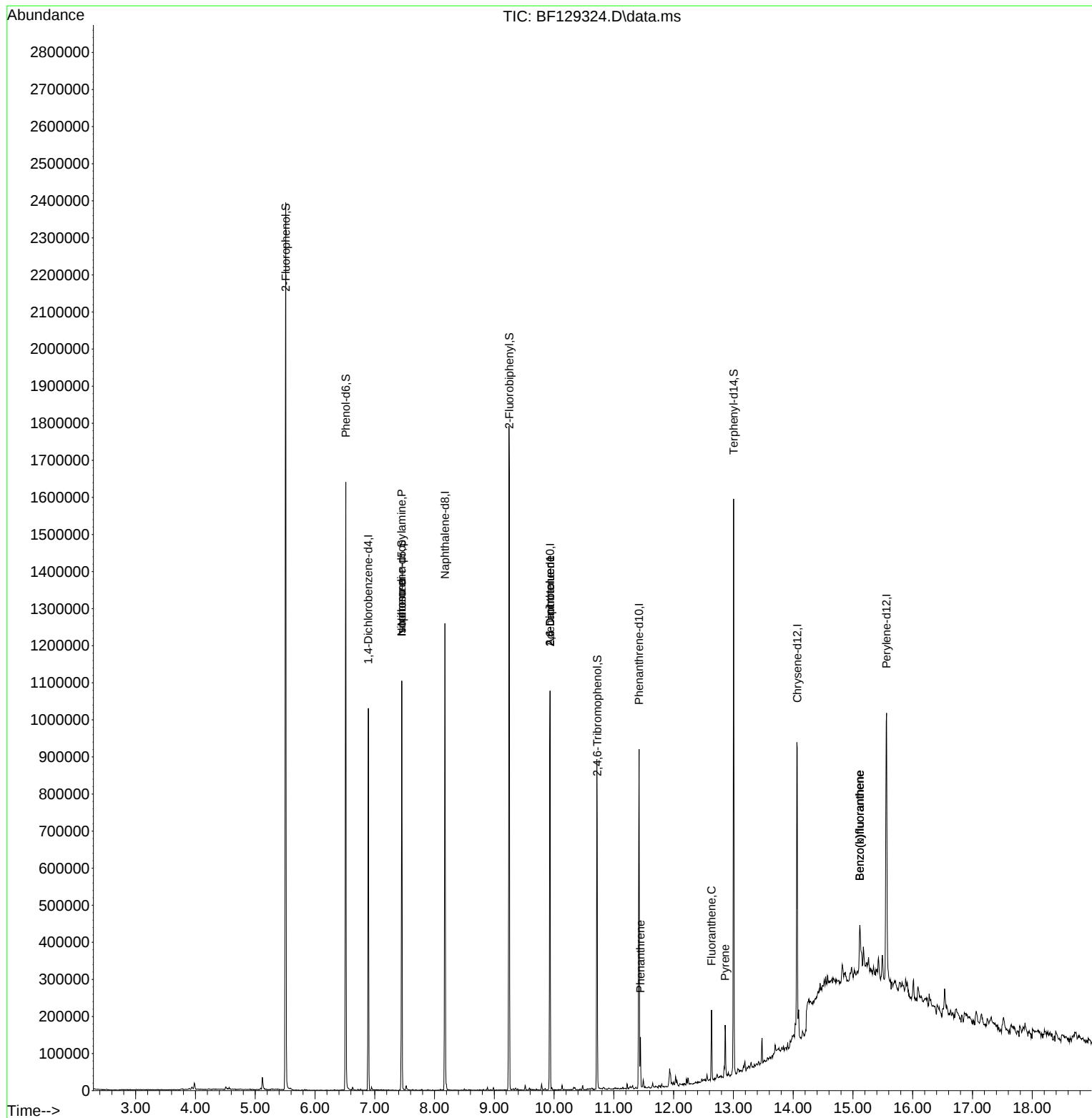
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128970	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	479409	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	210290	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	303131	20.000	ng	0.00
76) Chrysene-d12	14.068	240	265235	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	324113	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	574066	72.600	ng	0.00
7) Phenol-d6	6.516	99	470411	46.668	ng	-0.01
23) Nitrobenzene-d5	7.451	82	309403	34.721	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	90312	44.514	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	524116	38.341	ng	0.00
79) Terphenyl-d14	13.004	244	441368	30.992	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	41980	6.990	ng	# 75
25) Isophorone	7.451	82	309396	19.776	ng	# 65
51) 2,6-Dinitrotoluene	9.933	165	28487	8.806	ng	# 26
57) 2,4-Dinitrotoluene	9.933	165	28487	6.717	ng	# 21
71) Phenanthrene	11.445	178	46347	2.786	ng	98
75) Fluoranthene	12.633	202	64100	3.780	ng	97
78) Pyrene	12.863	202	53601	2.363	ng	99
88) Benzo(b)fluoranthene	15.115	252	66597	3.087	ng	# 87
89) Benzo(k)fluoranthene	15.115	252	66597	3.179	ng	# 88

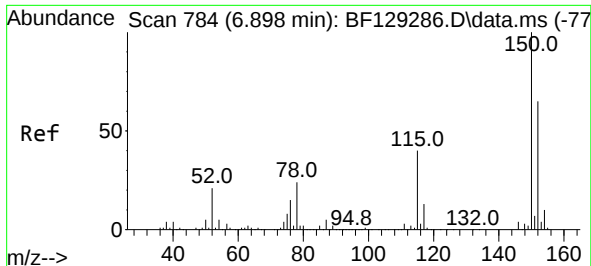
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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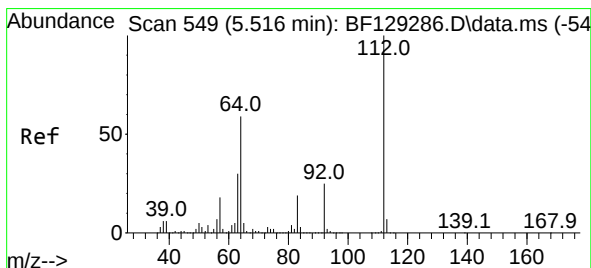
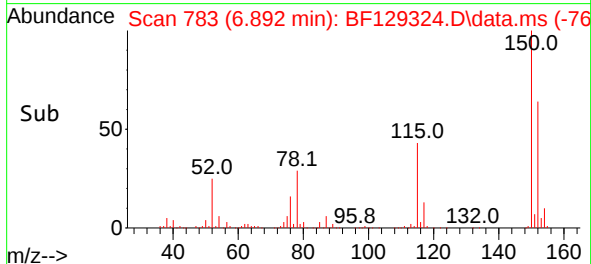
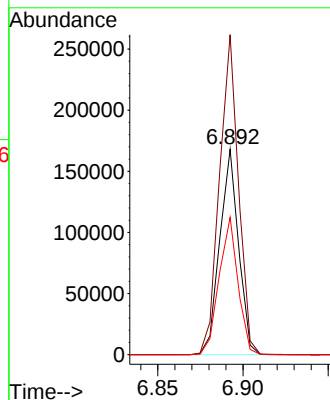
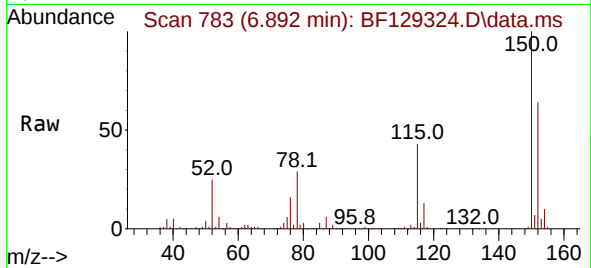




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

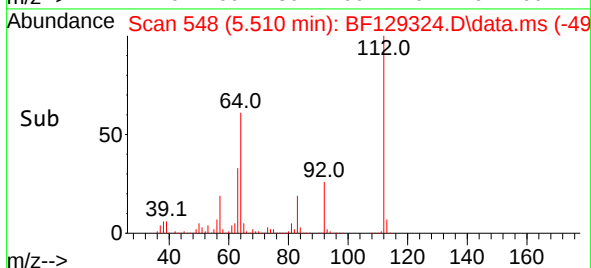
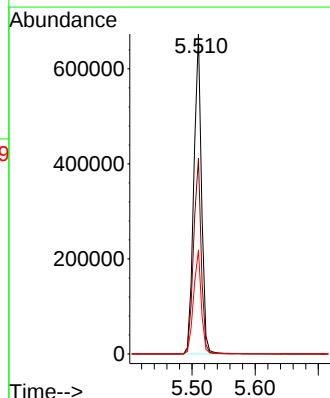
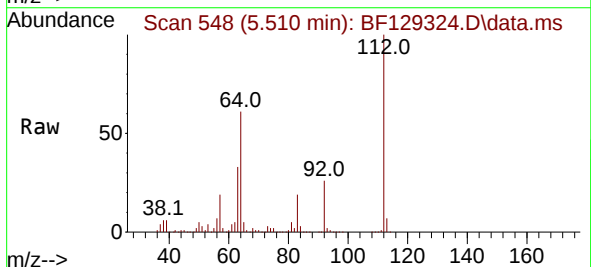
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(10-15)

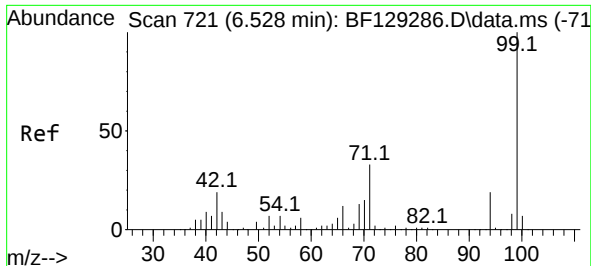
Tgt Ion:152 Resp: 128970
Ion Ratio Lower Upper
152 100
150 155.8 123.7 185.5
115 66.8 49.9 74.9



#5
2-Fluorophenol
Concen: 72.600 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.006 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

Tgt Ion:112 Resp: 574066
Ion Ratio Lower Upper
112 100
64 61.1 53.3 79.9
63 32.5 28.0 42.0

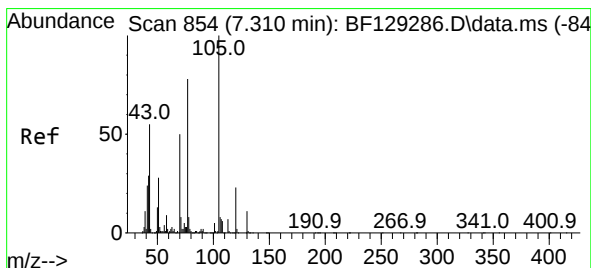
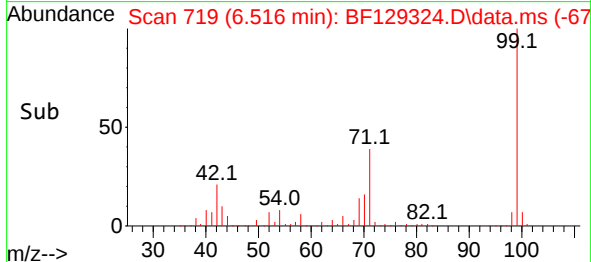
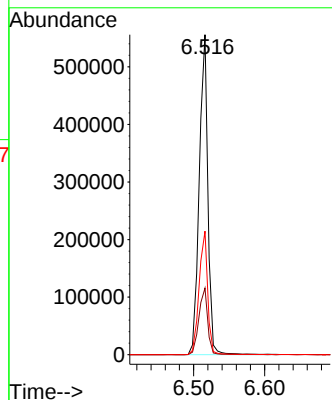
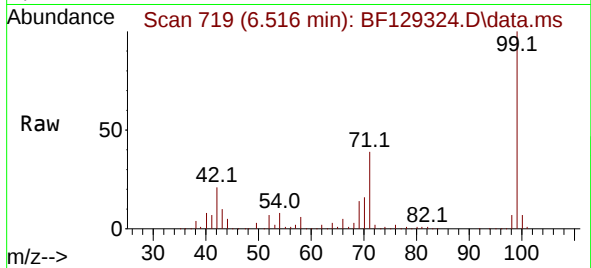




#7
Phenol-d6
Concen: 46.668 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

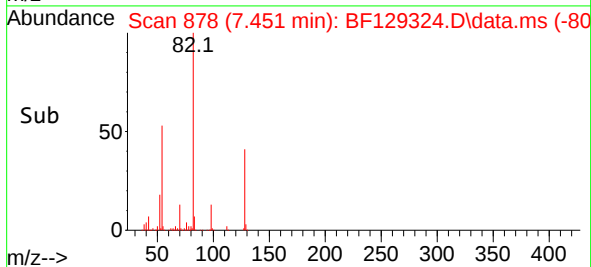
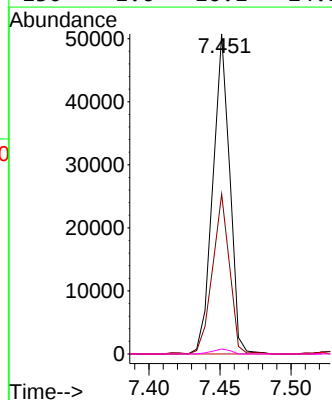
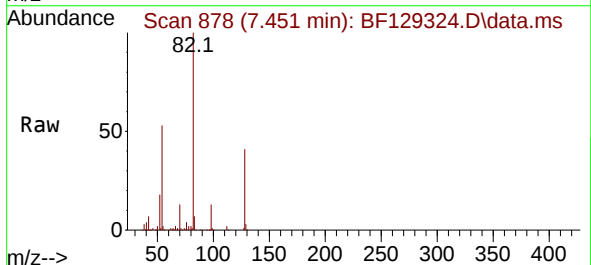
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(10-15)

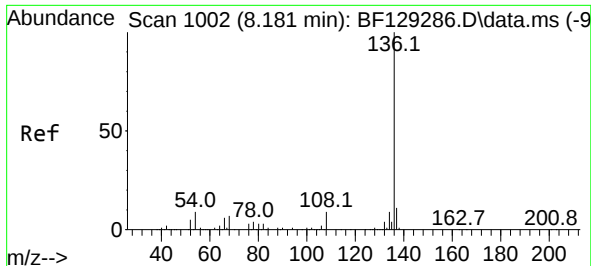
Tgt Ion: 99 Resp: 470411
Ion Ratio Lower Upper
99 100
42 20.8 17.3 25.9
71 38.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.990 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.141 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

Tgt Ion: 70 Resp: 41980
Ion Ratio Lower Upper
70 100
42 50.0 52.3 78.5#
101 0.0 7.5 11.3#
130 1.6 16.1 24.1#

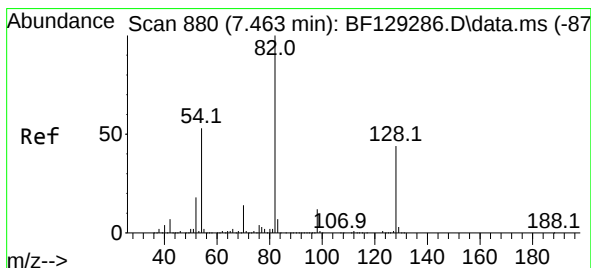
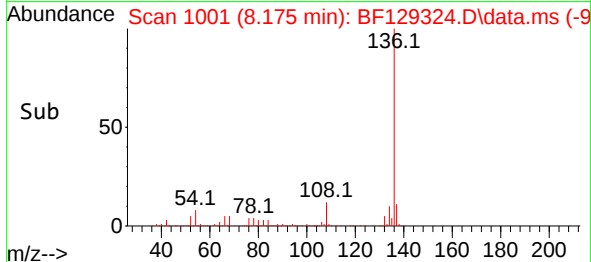
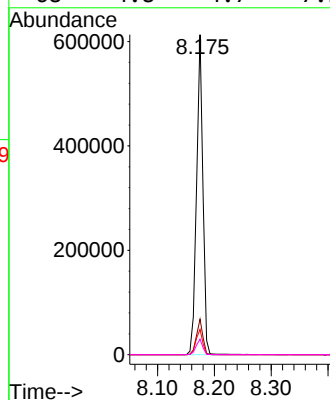
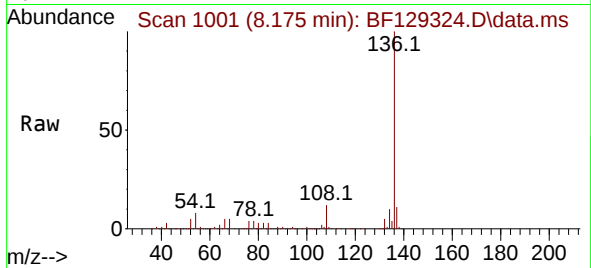




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

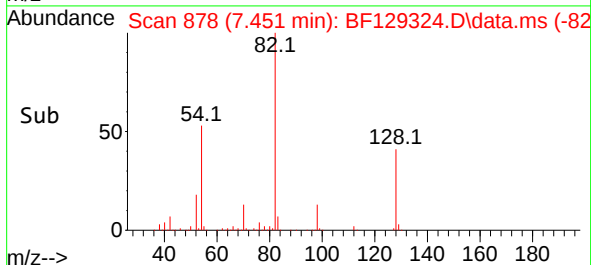
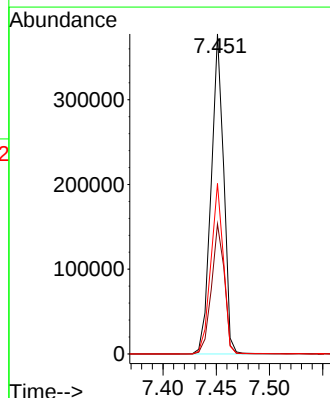
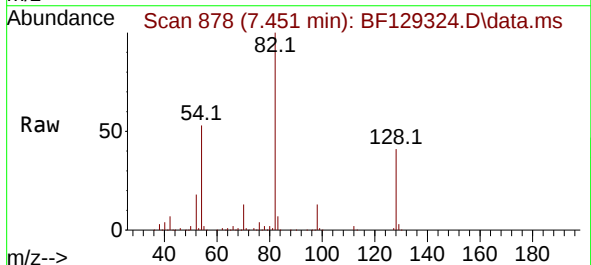
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(10-15)

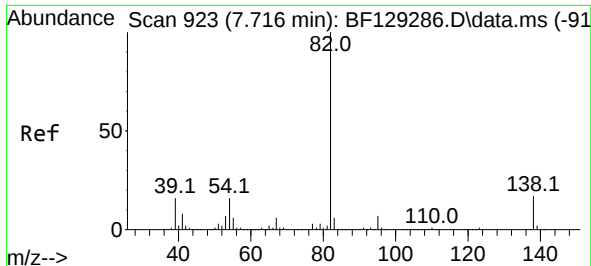
Tgt Ion:136 Resp: 479409
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.9 7.5 11.3
68 4.8 4.7 7.1



#23
Nitrobenzene-d5
Concen: 34.721 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

Tgt Ion: 82 Resp: 309403
Ion Ratio Lower Upper
82 100
128 40.6 34.0 51.0
54 53.3 46.9 70.3

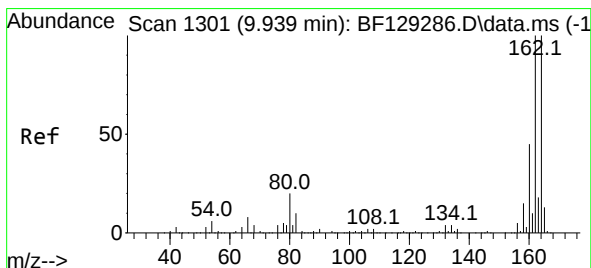
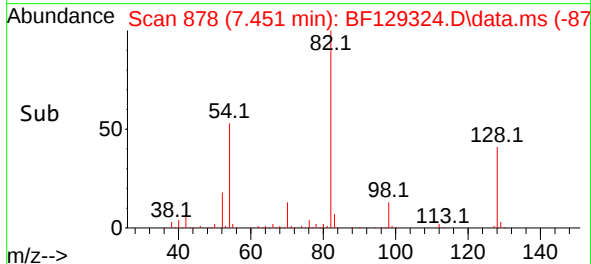
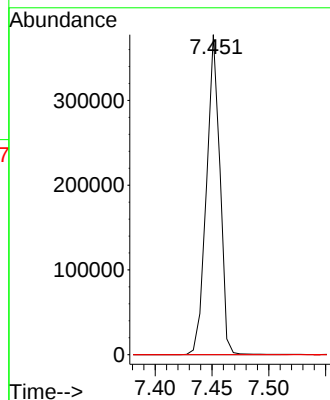
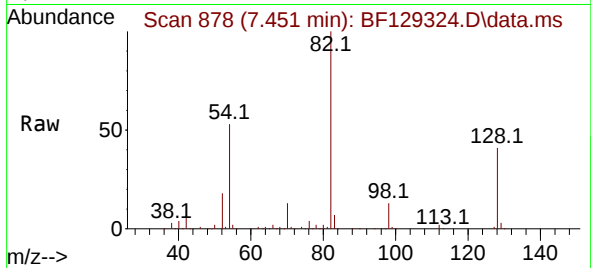




#25
Isophorone
Concen: 19.776 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

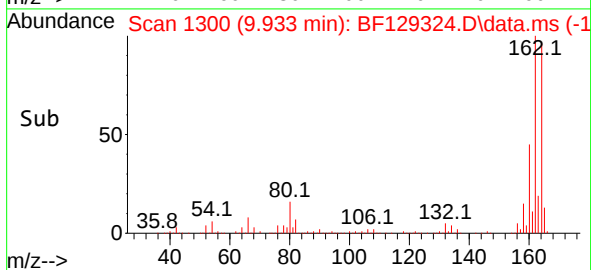
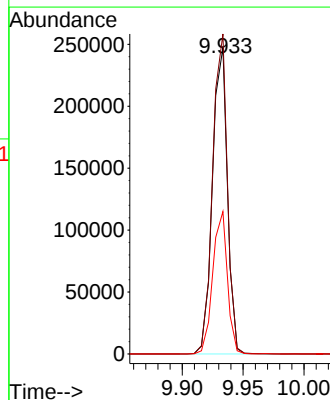
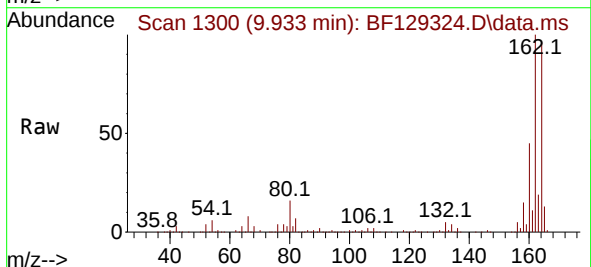
Instrument :
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ENV-DE-4(10-15)

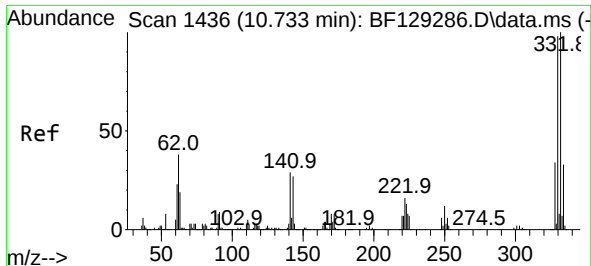
Tgt Ion: 82 Resp: 309396
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

Tgt Ion:164 Resp: 210290
Ion Ratio Lower Upper
164 100
162 104.5 79.5 119.3
160 46.5 34.2 51.4

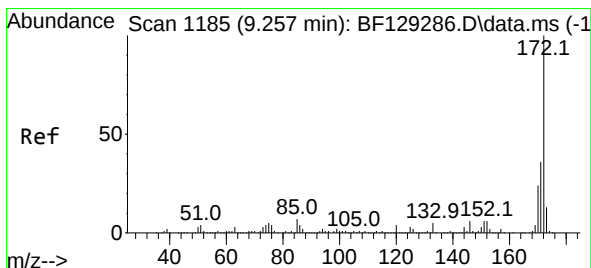
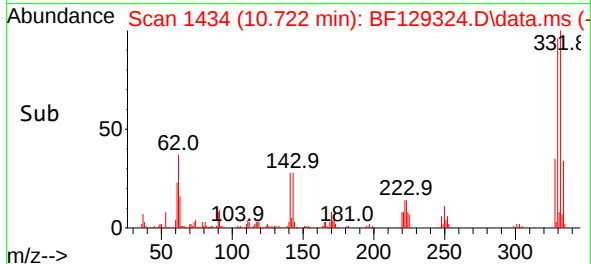
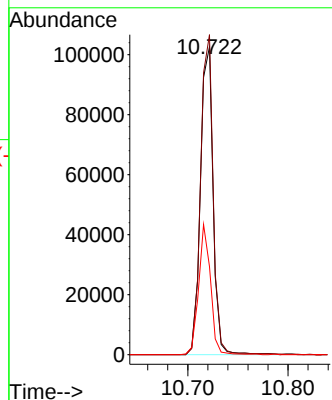
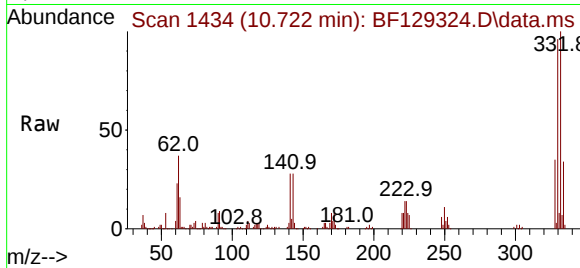




#42
 2,4,6-Tribromophenol
 Concen: 44.514 ng
 RT: 10.722 min Scan# 1436
 Delta R.T. -0.012 min
 Lab File: BF129324.D
 Acq: 22 Jul 2022 19:48

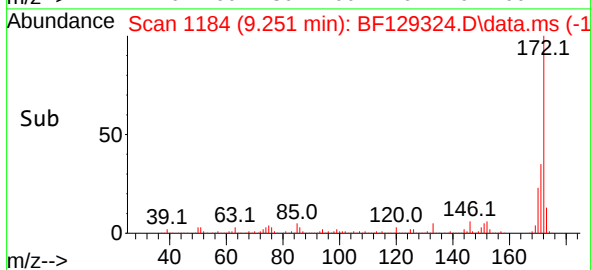
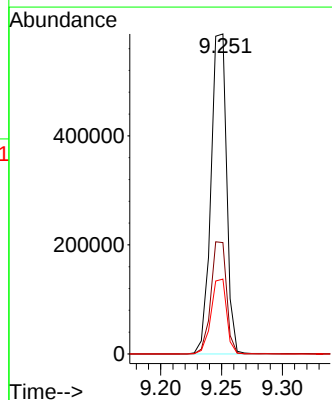
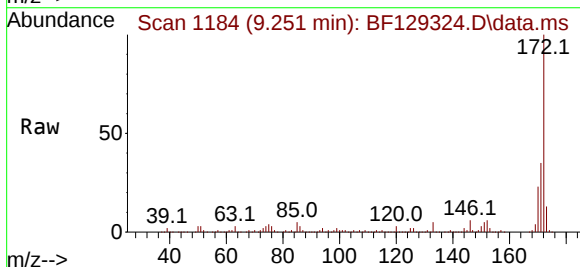
Instrument :
 BNA_F
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 ENV-DE-4(10-15)

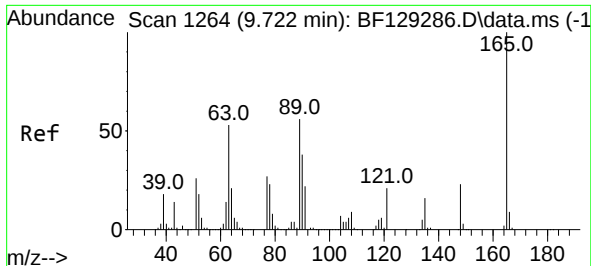
Tgt Ion:330 Resp: 90312
 Ion Ratio Lower Upper
 330 100
 332 102.6 76.8 115.2
 141 39.7 28.0 42.0



#45
 2-Fluorobiphenyl
 Concen: 38.341 ng
 RT: 9.251 min Scan# 1184
 Delta R.T. -0.006 min
 Lab File: BF129324.D
 Acq: 22 Jul 2022 19:48

Tgt Ion:172 Resp: 524116
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.8 43.2
 170 23.4 19.8 29.8

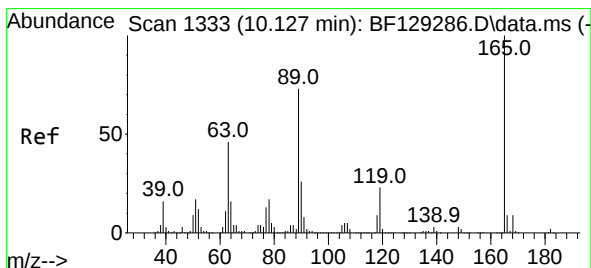
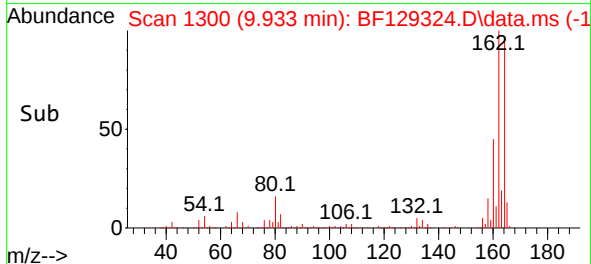
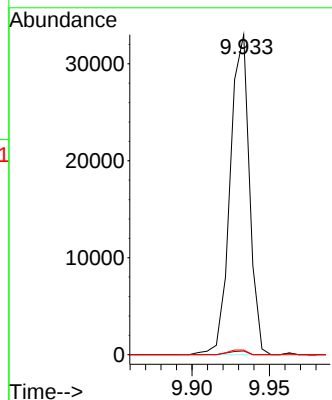
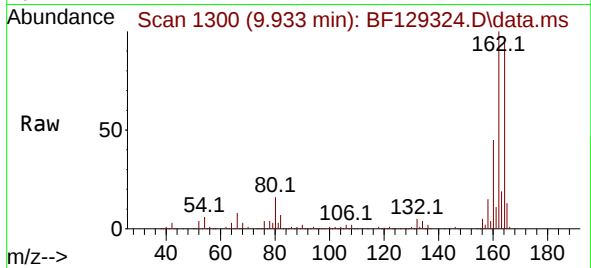




#51
2,6-Dinitrotoluene
Concen: 8.806 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

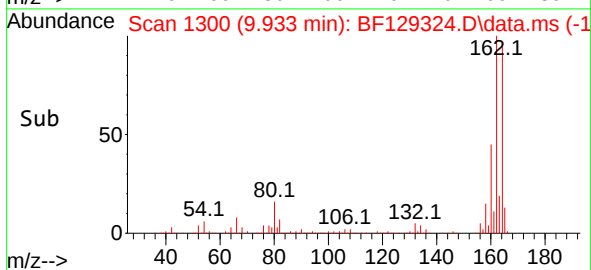
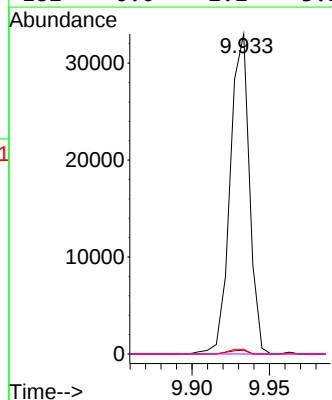
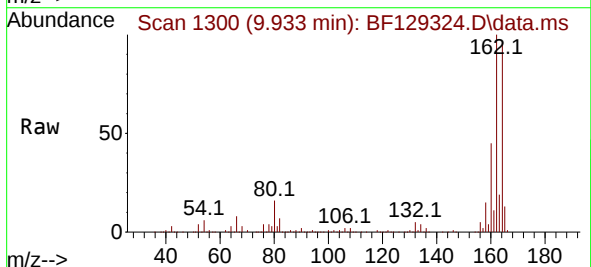
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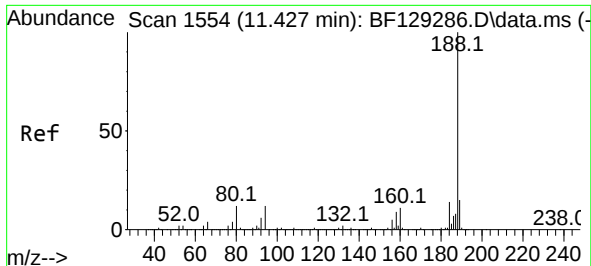
Tgt Ion:165 Resp: 28487
Ion Ratio Lower Upper
165 100
63 1.2 44.9 67.3#
89 1.5 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.717 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.194 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

Tgt Ion:165 Resp: 28487
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#

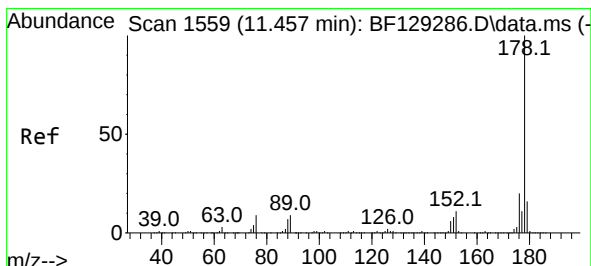
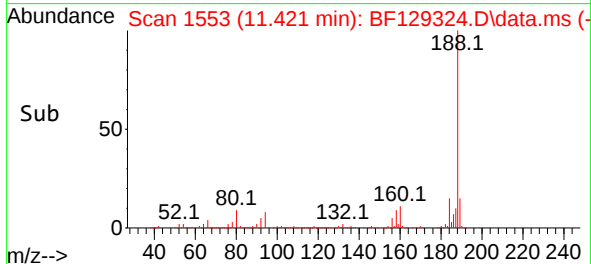
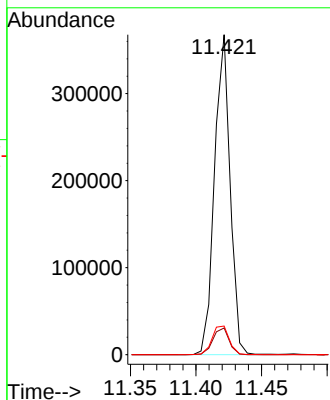
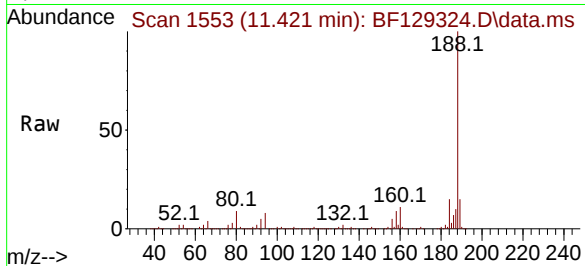




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

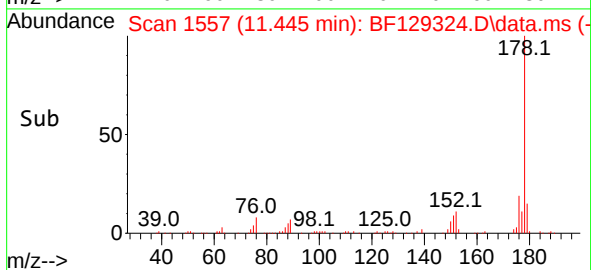
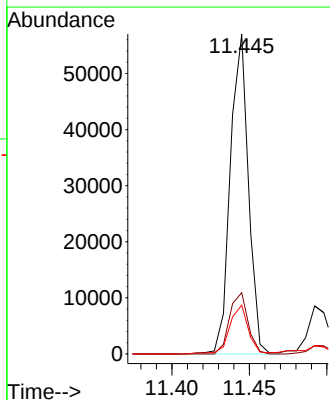
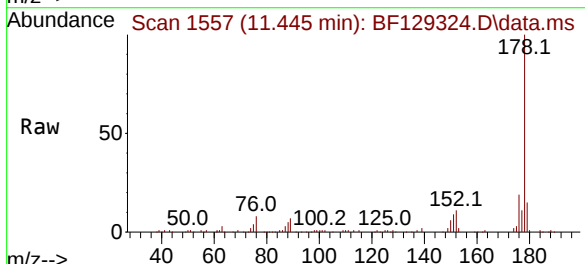
Instrument :
BNA_F
ClientSampleId :
ENV-DE-4(10-15)

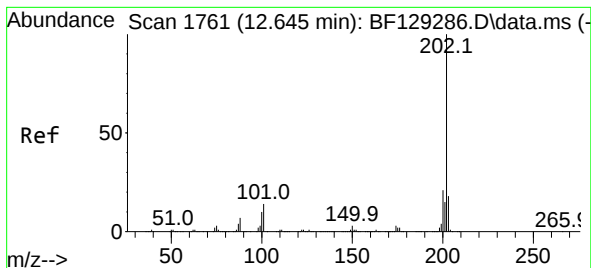
Tgt Ion:188 Resp: 303131
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 9.0 7.6 11.4



#71
Phenanthrene
Concen: 2.786 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF129324.D
Acq: 22 Jul 2022 19:48

Tgt Ion:178 Resp: 46347
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.2 12.6 19.0





#75

Fluoranthene

Concen: 3.780 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129324.D

Acq: 22 Jul 2022 19:48

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(10-15)

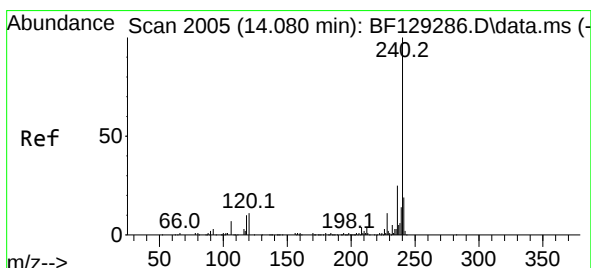
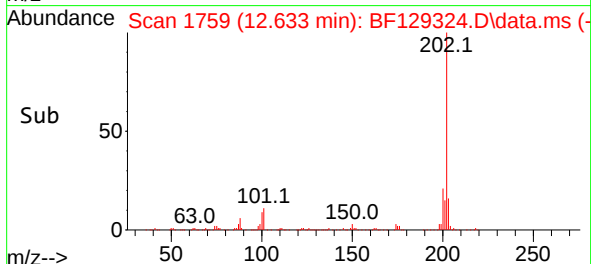
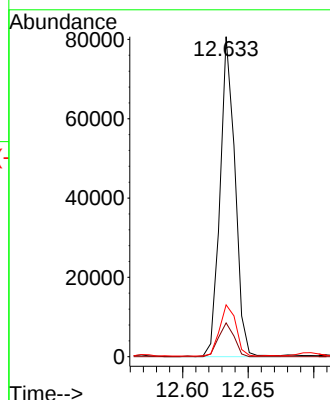
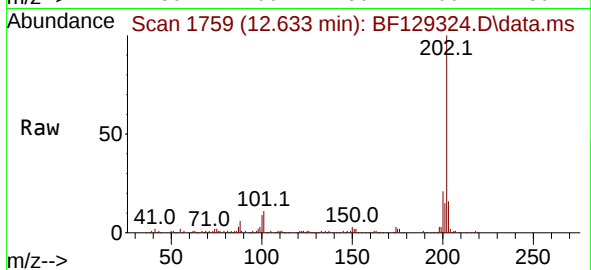
Tgt Ion:202 Resp: 64100

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

203 16.2 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF129324.D

Acq: 22 Jul 2022 19:48

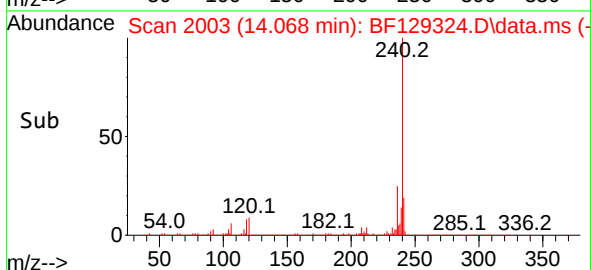
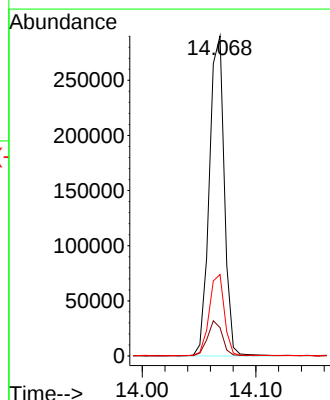
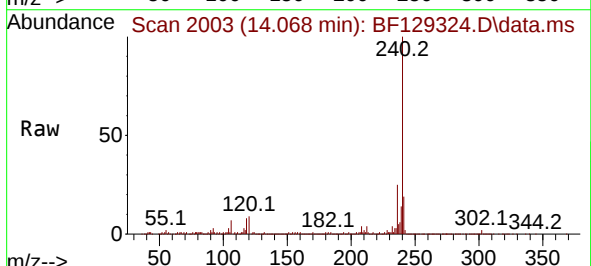
Tgt Ion:240 Resp: 265235

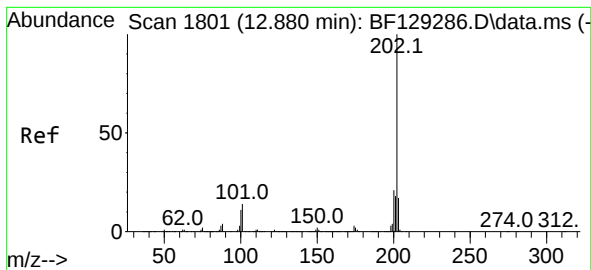
Ion Ratio Lower Upper

240 100

120 8.8 8.9 13.3#

236 25.4 20.8 31.2





#78

Pyrene

Concen: 2.363 ng

RT: 12.863 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF129324.D

Acq: 22 Jul 2022 19:48

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(10-15)

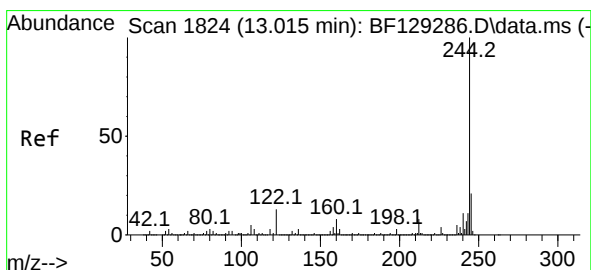
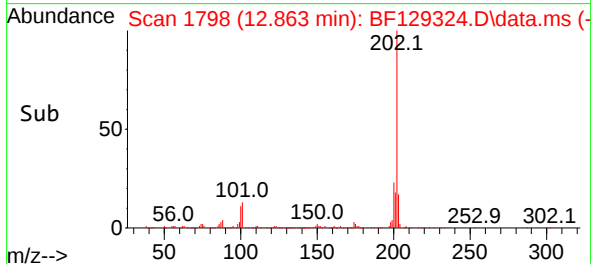
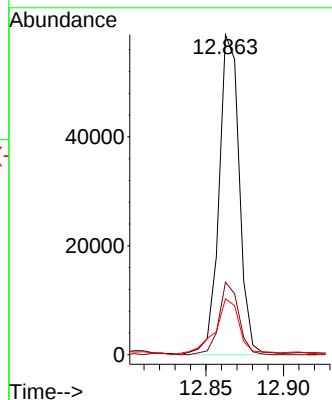
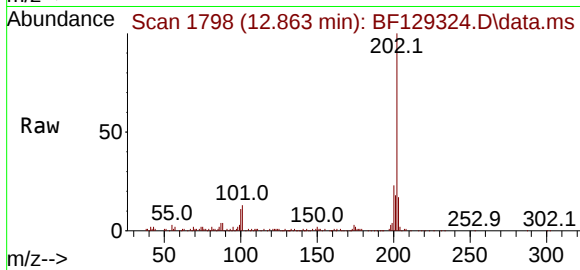
Tgt Ion:202 Resp: 53601

Ion Ratio Lower Upper

202 100

200 22.6 17.7 26.5

203 17.4 14.6 21.8



#79

Terphenyl-d14

Concen: 30.992 ng

RT: 13.004 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF129324.D

Acq: 22 Jul 2022 19:48

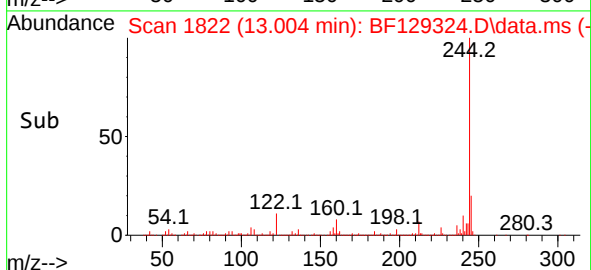
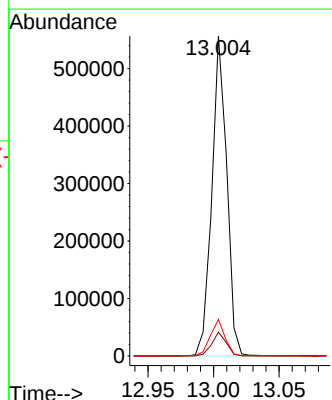
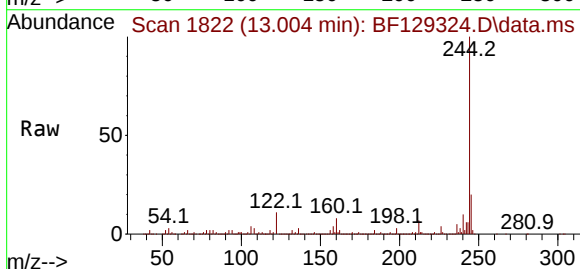
Tgt Ion:244 Resp: 441368

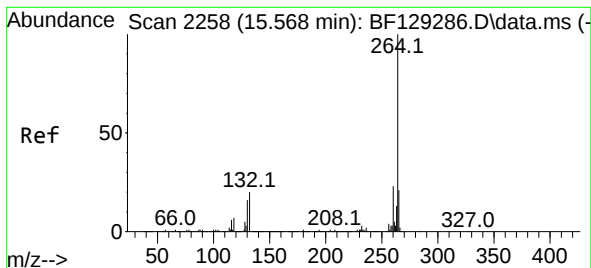
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 11.4 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2181

Delta R.T. -0.006 min

Lab File: BF129324.D

Acq: 22 Jul 2022 19:48

Instrument :

BNA_F

ClientSampleId :

ENV-DE-4(10-15)

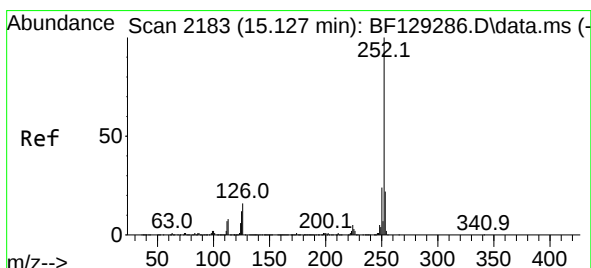
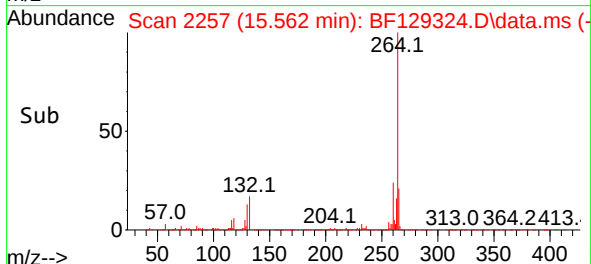
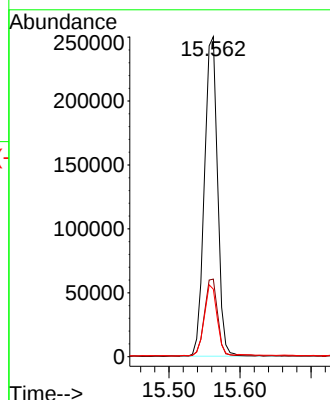
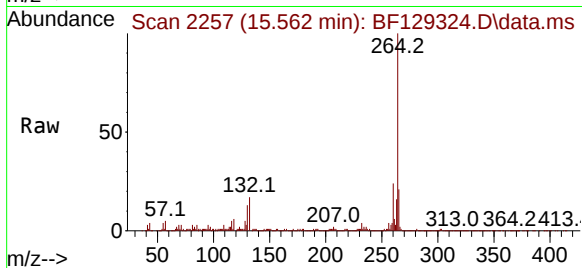
Tgt Ion:264 Resp: 324113

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 21.1 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.087 ng

RT: 15.115 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF129324.D

Acq: 22 Jul 2022 19:48

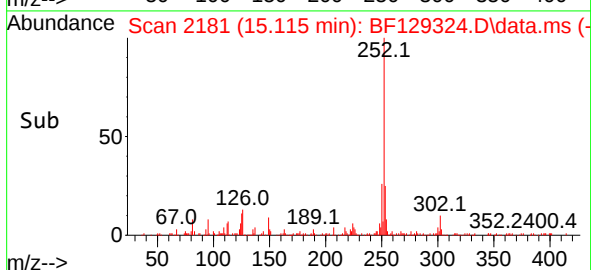
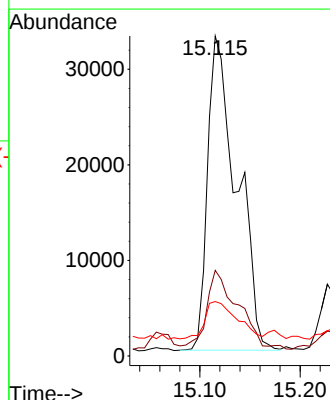
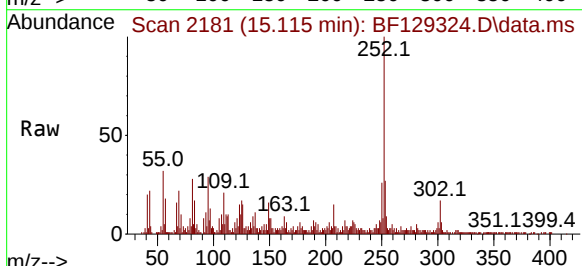
Tgt Ion:252 Resp: 66597

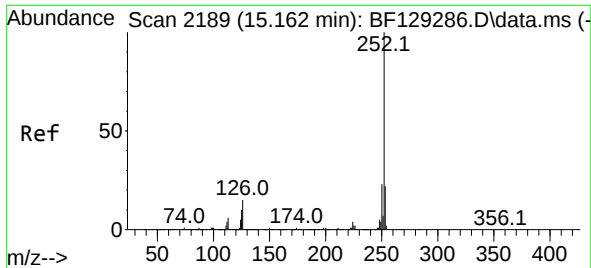
Ion Ratio Lower Upper

252 100

253 26.7 17.7 26.5#

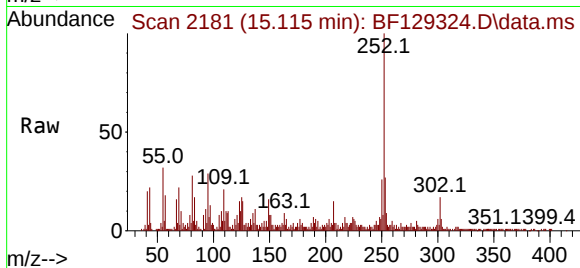
125 17.0 8.0 12.0#





#89
 Benzo(k)fluoranthene
 Concen: 3.179 ng
 RT: 15.115 min Scan# 21
 Delta R.T. -0.047 min
 Lab File: BF129324.D
 Acq: 22 Jul 2022 19:48

Instrument :
 BNA_F
 ClientSampleId :
 ENV-DE-4(10-15)



Tgt Ion:252 Resp: 66597
 Ion Ratio Lower Upper
 252 100
 253 26.7 17.8 26.6#
 125 17.0 8.3 12.5#

