

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
 Data File : BF129322.D
 Acq On : 22 Jul 2022 18:42
 Operator : CG\JU
 Sample : N3830-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-20-0010

Quant Time: Jul 23 01:23:43 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)

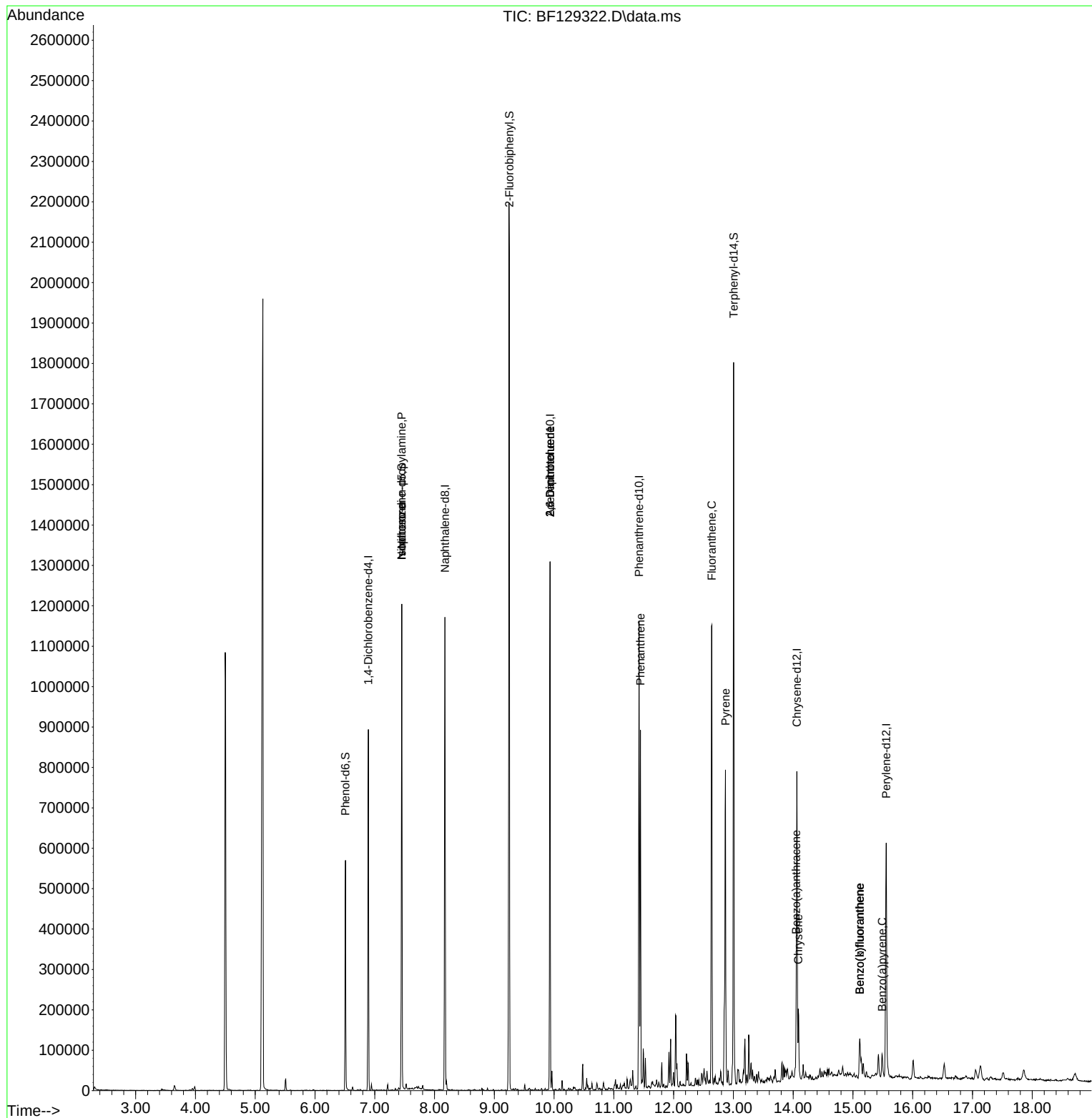
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	121350	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	479511	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	247532	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	378705	20.000	ng	0.00
76) Chrysene-d12	14.063	240	219336	20.000	ng	-0.02
86) Perylene-d12	15.557	264	238474	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	6746	0.907	ng	0.00
7) Phenol-d6	6.510	99	156793	16.532	ng	-0.02
23) Nitrobenzene-d5	7.451	82	329633	36.984	ng	-0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.251	172	667851	41.505	ng	0.00
79) Terphenyl-d14	13.004	244	532050	45.178	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	46746	8.272	ng	# 76
25) Isophorone	7.451	82	329629	21.065	ng	# 65
51) 2,6-Dinitrotoluene	9.933	165	32055	8.418	ng	# 26
57) 2,4-Dinitrotoluene	9.933	165	32055	6.421	ng	# 21
71) Phenanthrene	11.445	178	275596	13.259	ng	100
75) Fluoranthene	12.639	202	463053	21.859	ng	98
78) Pyrene	12.869	202	312138	16.639	ng	98
81) Benzo(a)anthracene	14.051	228	72307	4.787	ng	97
83) Chrysene	14.086	228	68149	4.781	ng	98
88) Benzo(b)fluoranthene	15.115	252	70152	4.420	ng	97
89) Benzo(k)fluoranthene	15.115	252	70152	4.552	ng	98
90) Benzo(a)pyrene	15.492	252	29286	2.280	ng	98

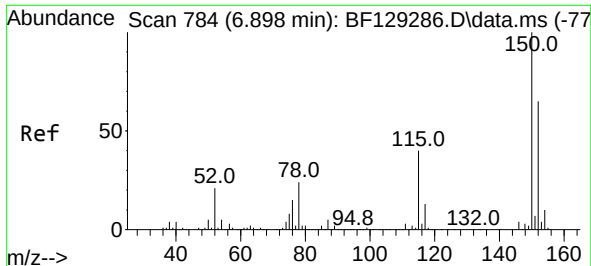
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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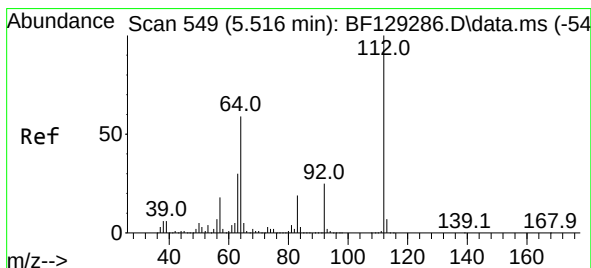
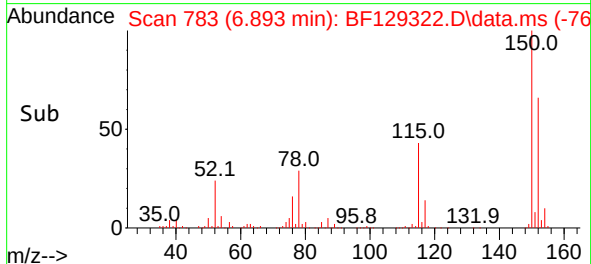
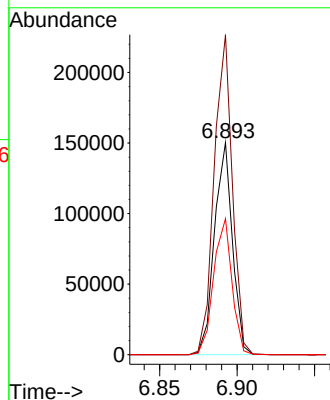
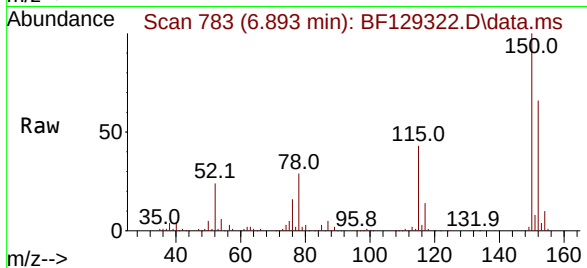




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129322.D
 Acq: 22 Jul 2022 18:42

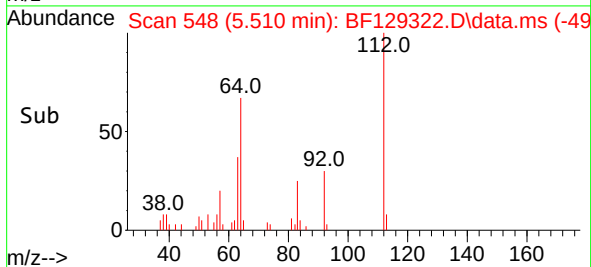
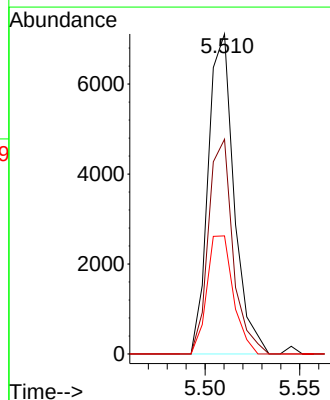
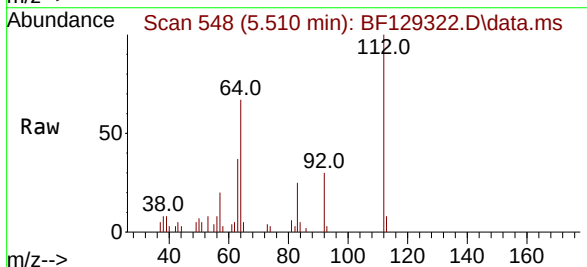
Instrument :
 BNA_F
 ClientSampleId :
 RBR-20-0010

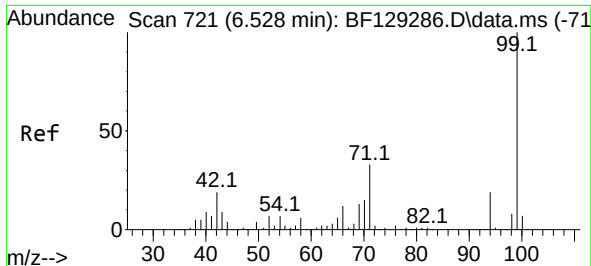
Tgt Ion:152 Resp: 121350
 Ion Ratio Lower Upper
 152 100
 150 150.9 123.7 185.5
 115 64.1 49.9 74.9



#5
 2-Fluorophenol
 Concen: 0.907 ng
 RT: 5.510 min Scan# 548
 Delta R.T. -0.006 min
 Lab File: BF129322.D
 Acq: 22 Jul 2022 18:42

Tgt Ion:112 Resp: 6746
 Ion Ratio Lower Upper
 112 100
 64 67.1 53.3 79.9
 63 36.9 28.0 42.0

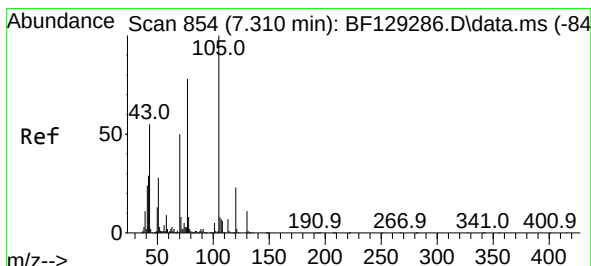
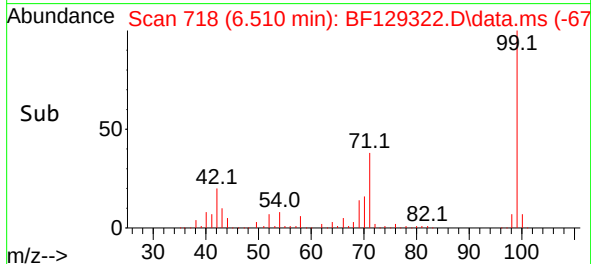
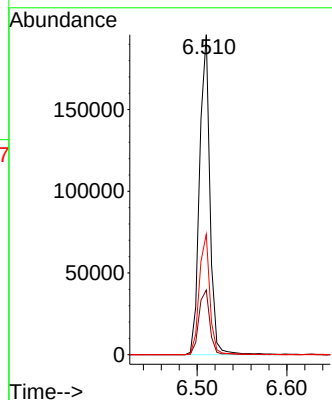
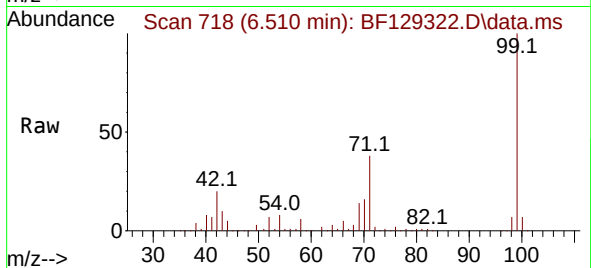




#7
Phenol-d6
Concen: 16.532 ng
RT: 6.510 min Scan# 718
Delta R.T. -0.018 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

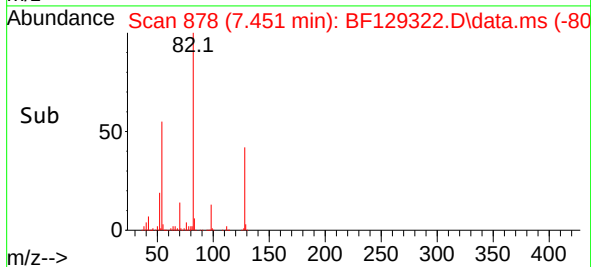
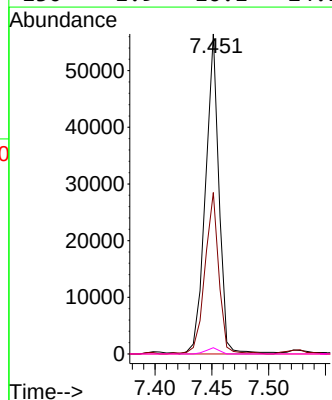
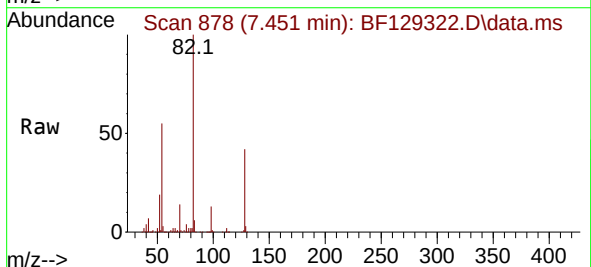
Instrument :
BNA_F
ClientSampleId :
RBR-20-0010

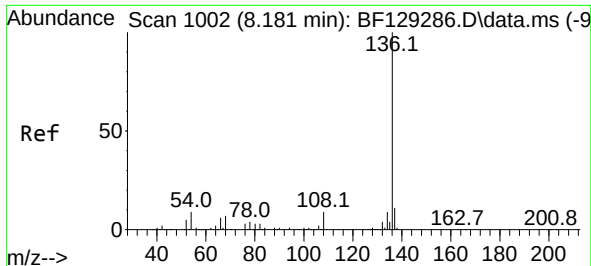
Tgt Ion: 99 Resp: 156793
Ion Ratio Lower Upper
99 100
42 20.2 17.3 25.9
71 37.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.272 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.141 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

Tgt Ion: 70 Resp: 46746
Ion Ratio Lower Upper
70 100
42 50.5 52.3 78.5#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#

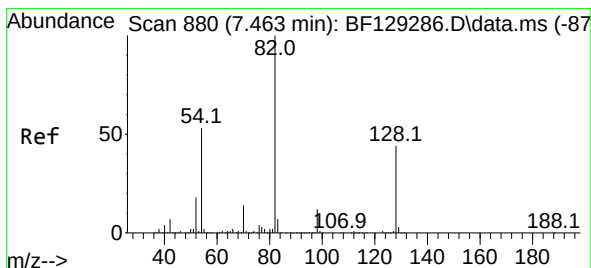
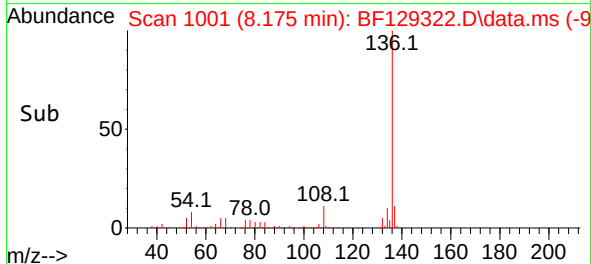
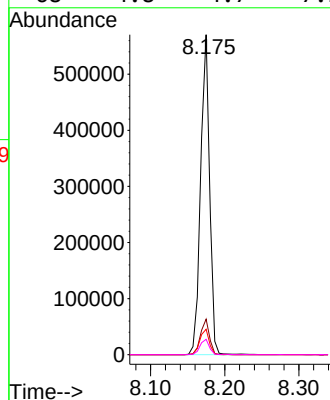
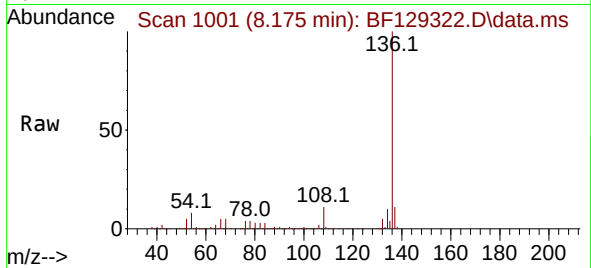




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

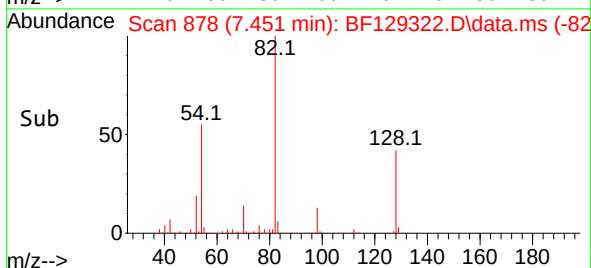
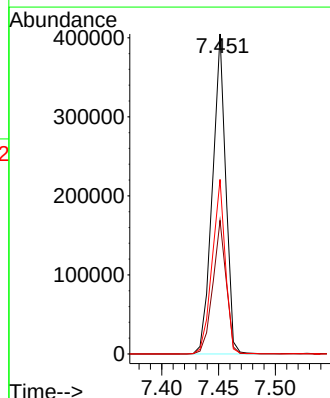
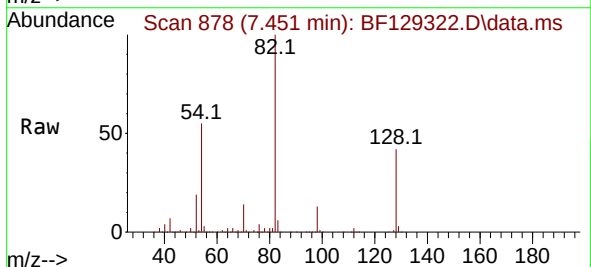
Instrument :
BNA_F
ClientSampleId :
RBR-20-0010

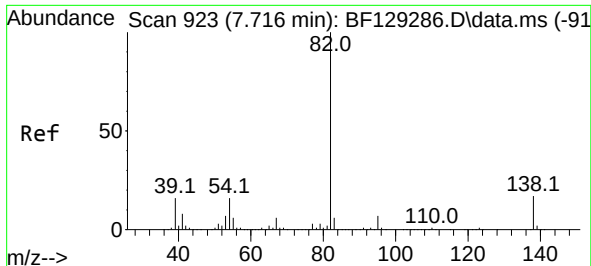
Tgt Ion:136 Resp: 479511
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.9 7.5 11.3
68 4.8 4.7 7.1



#23
Nitrobenzene-d5
Concen: 36.984 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

Tgt Ion: 82 Resp: 329633
Ion Ratio Lower Upper
82 100
128 41.8 34.0 51.0
54 54.5 46.9 70.3

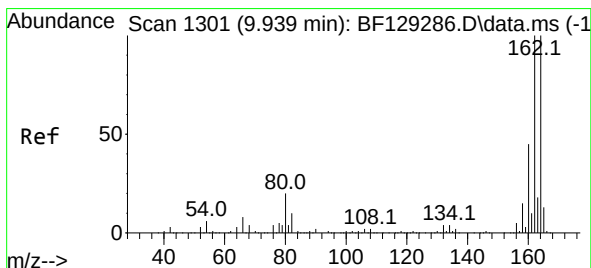
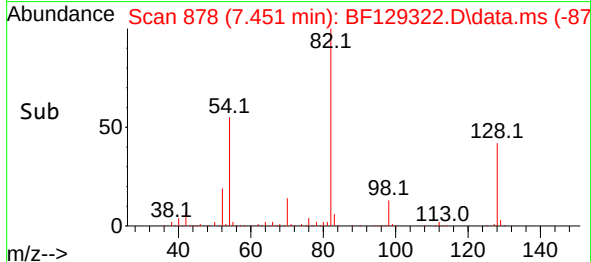
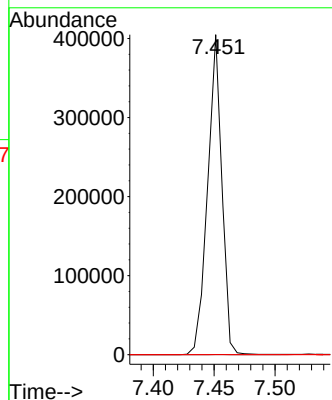
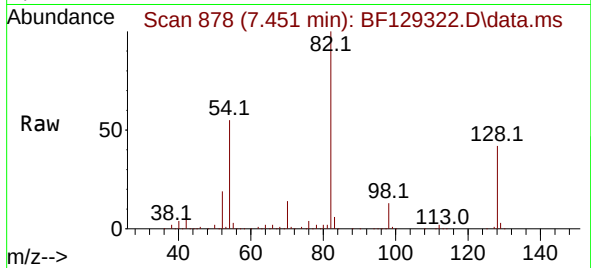




#25
Isophorone
Concen: 21.065 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

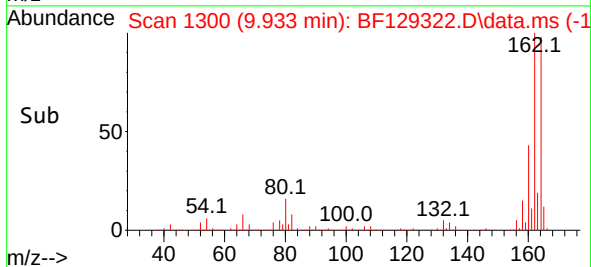
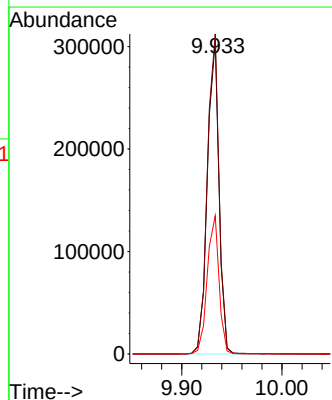
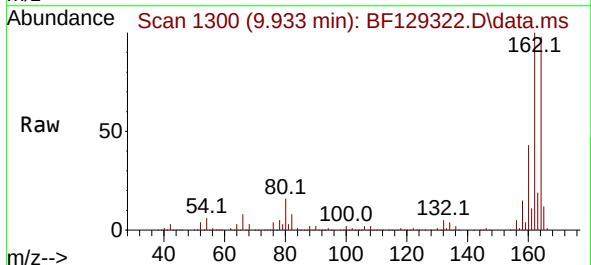
Instrument :
BNA_F
ClientSampleId :
RBR-20-0010

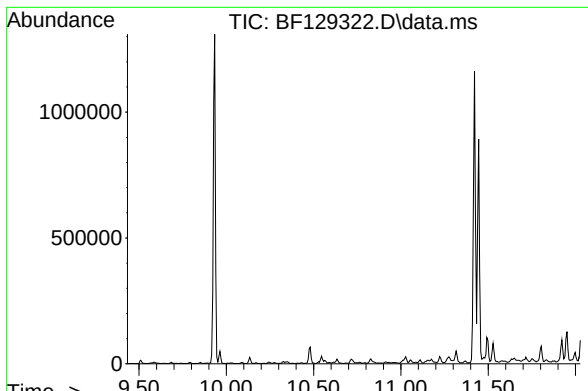
Tgt Ion: 82 Resp: 329629
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

Tgt Ion:164 Resp: 247532
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 44.2 34.2 51.4

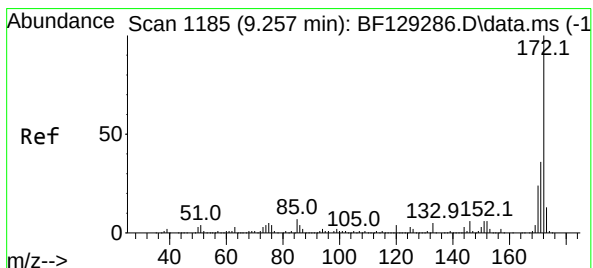
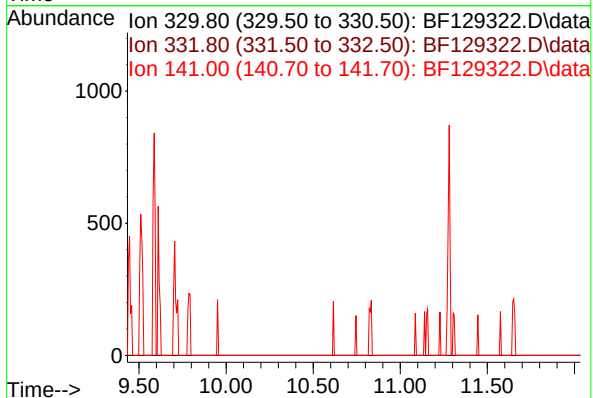




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.73 min
 Lab File: BF129322.D
 Acq: 22 Jul 2022 18:42

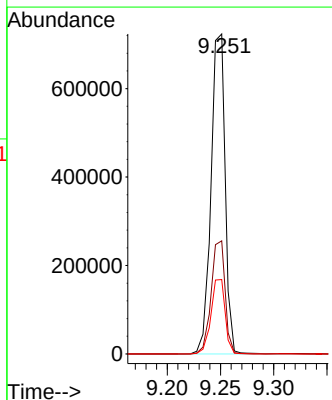
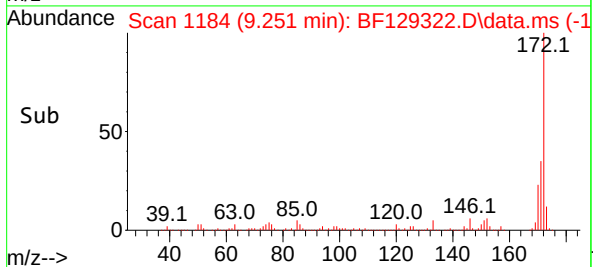
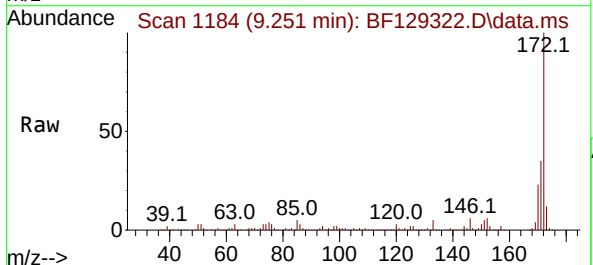
Instrument :
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 ClientSampleId :
 RBR-20-0010

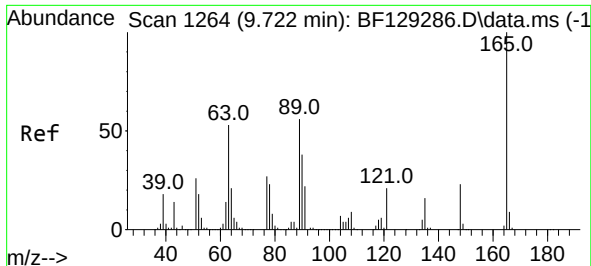
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 96.0
 141 35.0



#45
 2-Fluorobiphenyl
 Concen: 41.505 ng
 RT: 9.251 min Scan# 1184
 Delta R.T. -0.006 min
 Lab File: BF129322.D
 Acq: 22 Jul 2022 18:42

Tgt Ion: 172 Resp: 667851
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.8 43.2
 170 23.2 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.418 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

Instrument :

BNA_F

ClientSampleId :

RBR-20-0010

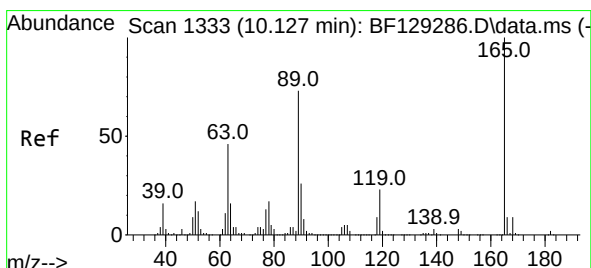
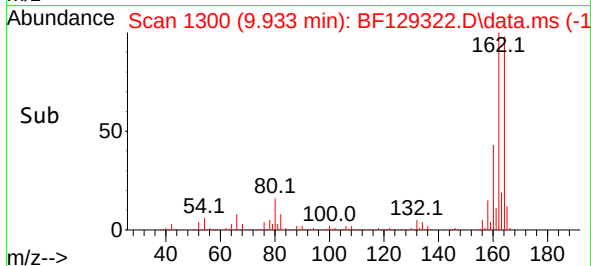
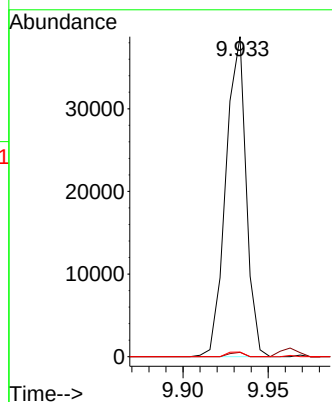
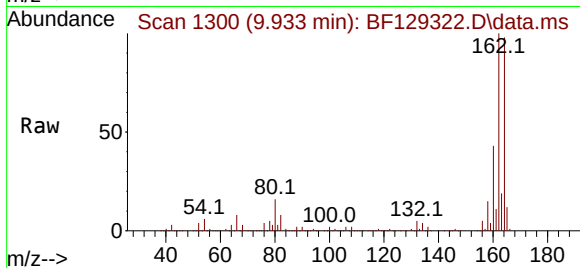
Tgt Ion:165 Resp: 32055

Ion Ratio Lower Upper

165 100

63 1.4 44.9 67.3#

89 1.5 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.421 ng

RT: 9.933 min Scan# 1300

Delta R.T. -0.194 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

Tgt Ion:165 Resp: 32055

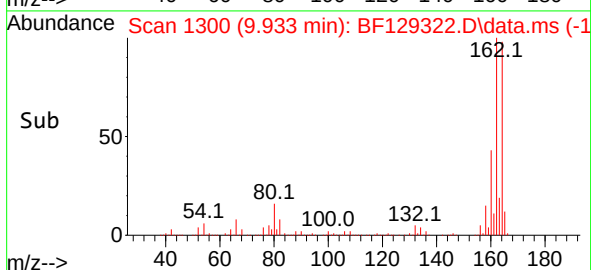
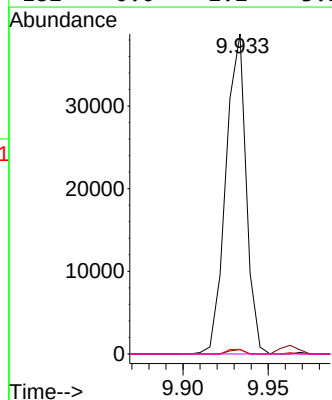
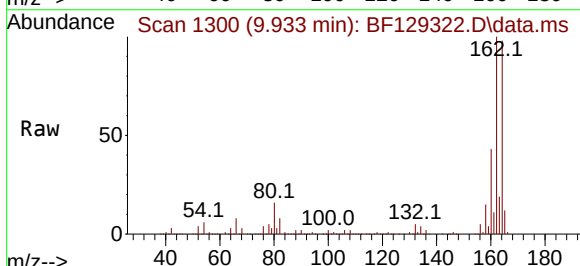
Ion Ratio Lower Upper

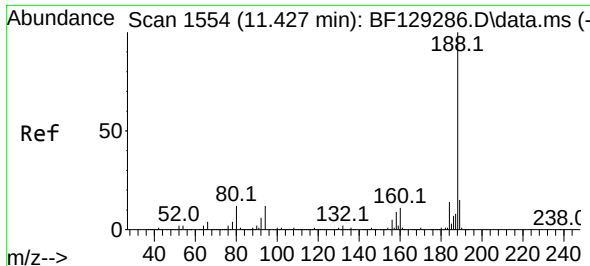
165 100

63 1.4 39.8 59.6#

89 1.5 60.2 90.2#

182 0.0 2.2 3.2#

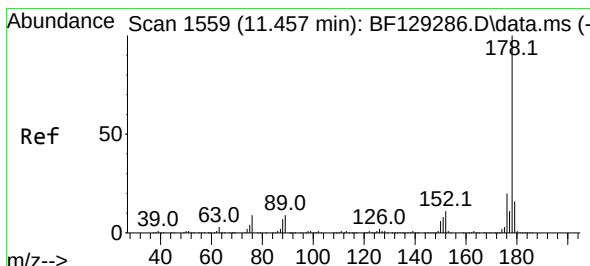
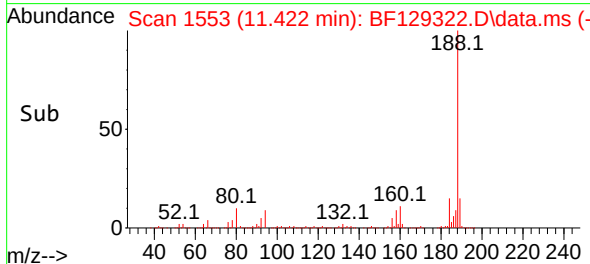
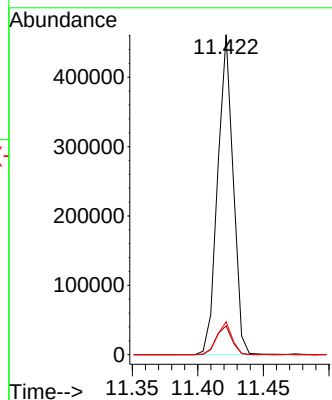
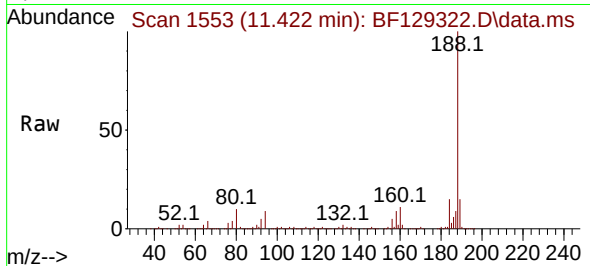




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

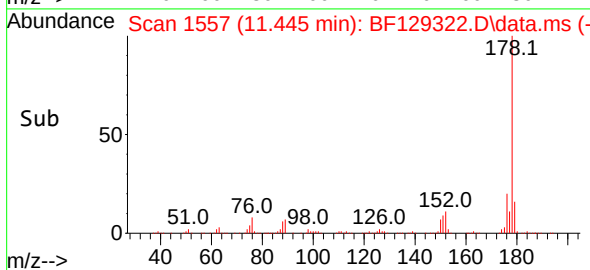
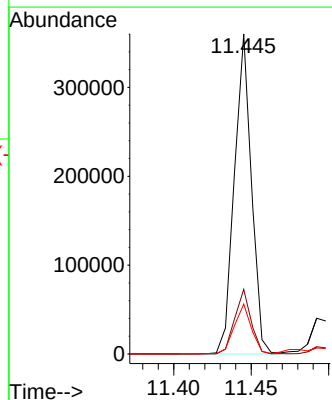
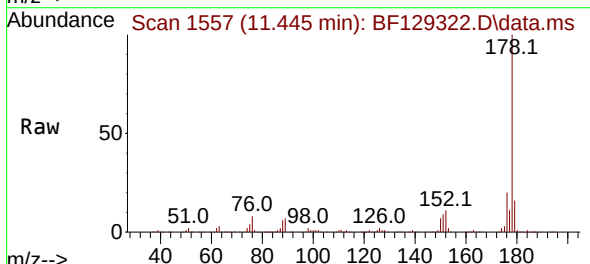
Instrument :
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RBR-20-0010

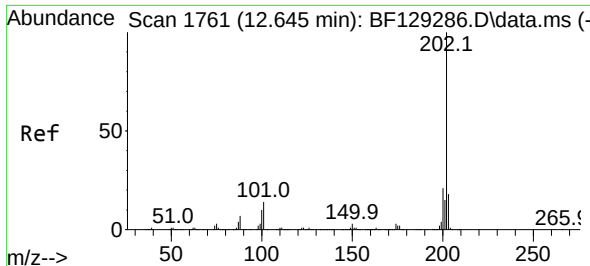
Tgt Ion:188 Resp: 378705
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 10.3 7.6 11.4



#71
Phenanthrene
Concen: 13.259 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

Tgt Ion:178 Resp: 275596
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 15.6 12.6 19.0

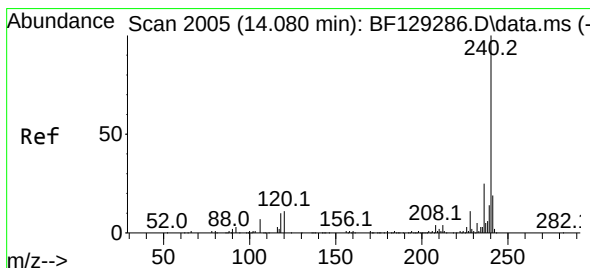
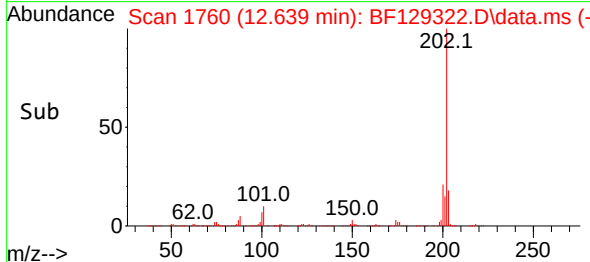
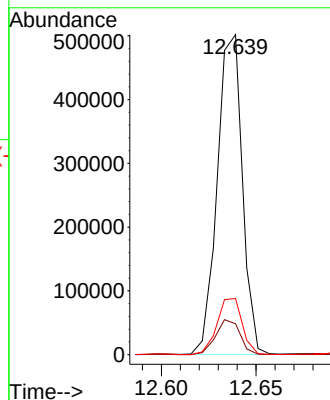
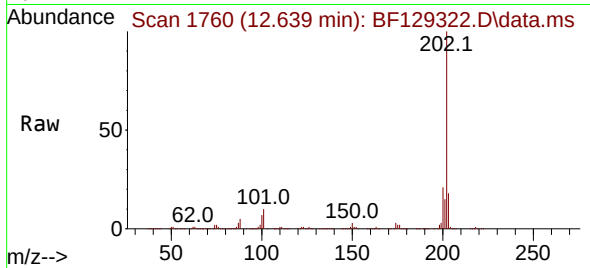




#75
Fluoranthene
Concen: 21.859 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

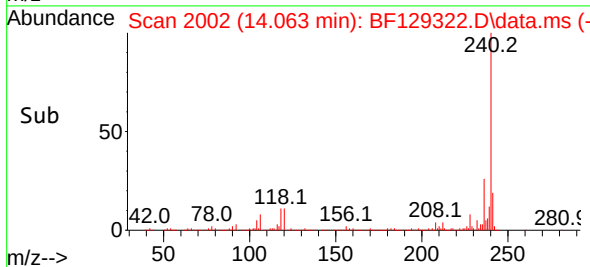
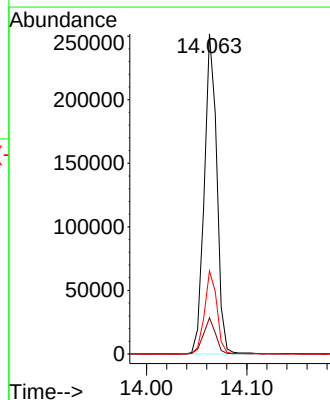
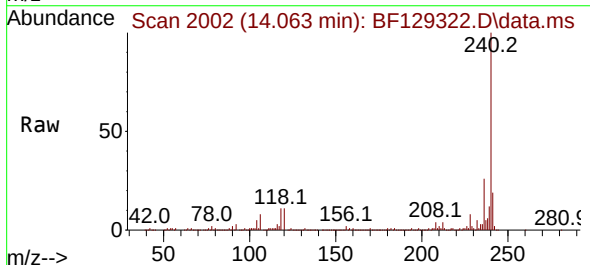
Instrument :
BNA_F
ClientSampleId :
RBR-20-0010

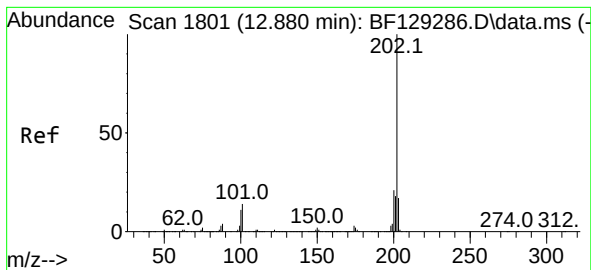
Tgt Ion:202 Resp: 463053
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.4
203 17.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.018 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

Tgt Ion:240 Resp: 219336
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 26.0 20.8 31.2





#78

Pyrene

Concen: 16.639 ng

RT: 12.869 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

Instrument :

BNA_F

ClientSampleId :

RBR-20-0010

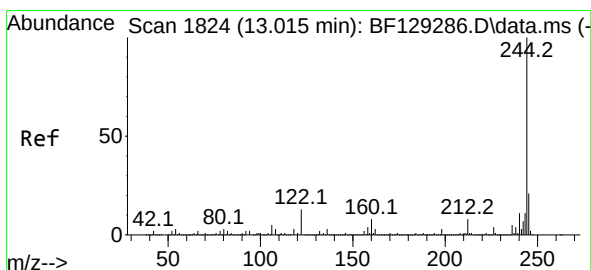
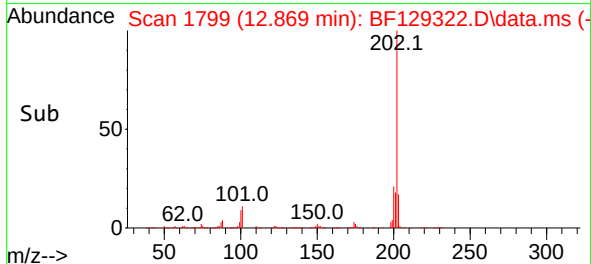
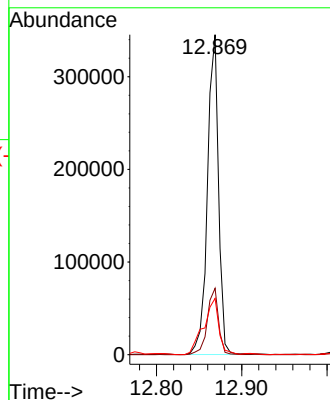
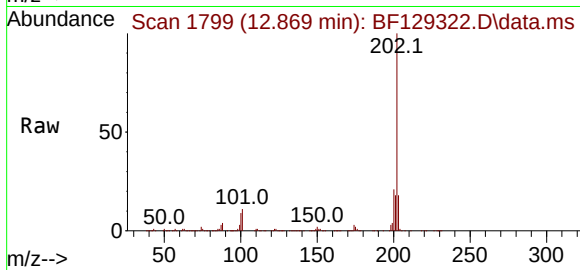
Tgt Ion:202 Resp: 312138

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 17.6 14.6 21.8



#79

Terphenyl-d14

Concen: 45.178 ng

RT: 13.004 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

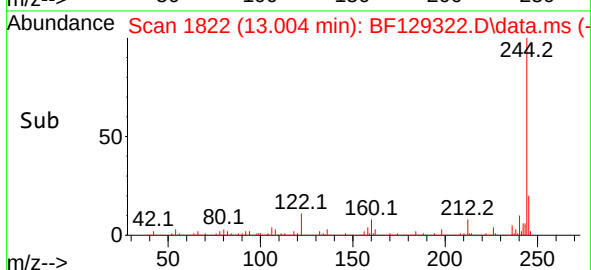
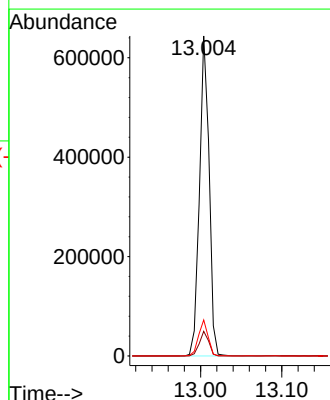
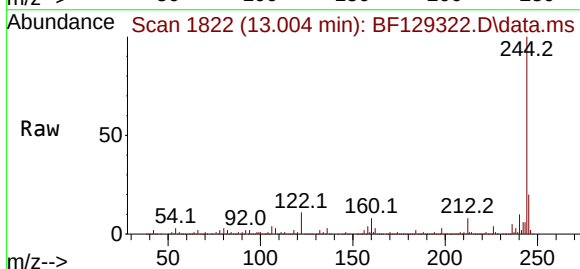
Tgt Ion:244 Resp: 532050

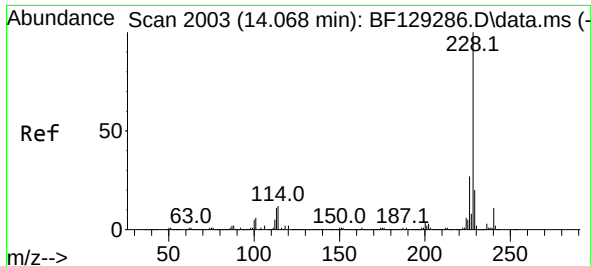
Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 11.3 8.8 13.2

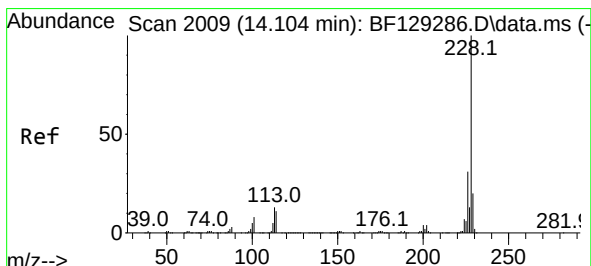
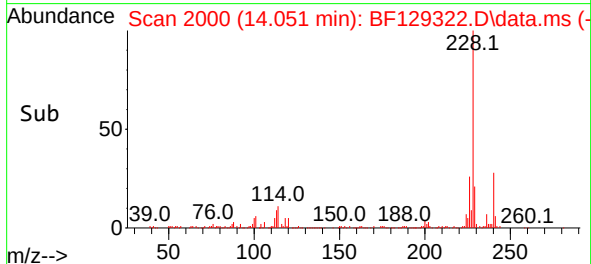
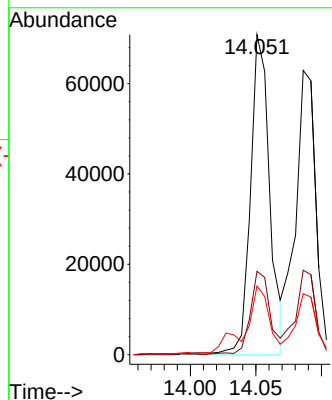
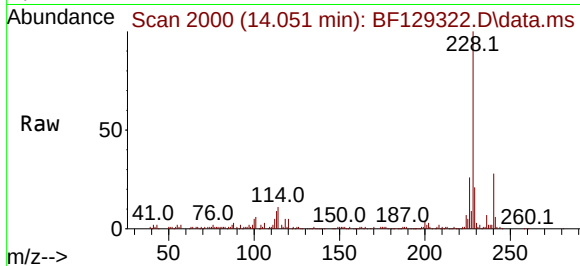




#81
Benzo(a)anthracene
Concen: 4.787 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.018 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

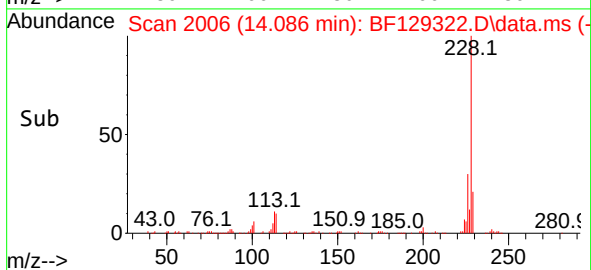
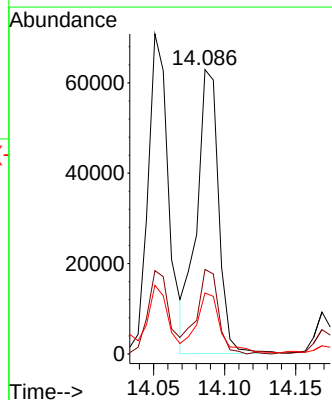
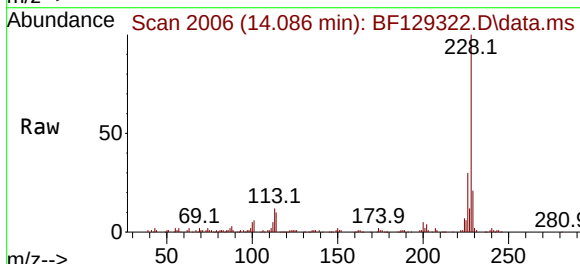
Instrument :
BNA_F
ClientSampleId :
RBR-20-0010

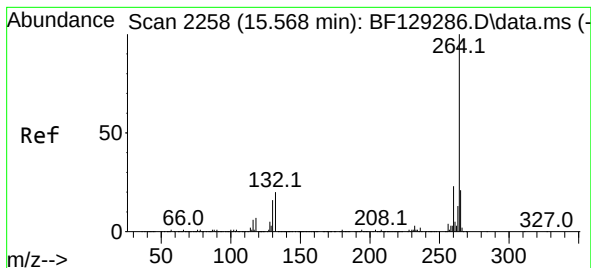
Tgt Ion:228 Resp: 72307
Ion Ratio Lower Upper
228 100
226 26.1 22.1 33.1
229 21.4 15.8 23.8



#83
Chrysene
Concen: 4.781 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.018 min
Lab File: BF129322.D
Acq: 22 Jul 2022 18:42

Tgt Ion:228 Resp: 68149
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

Instrument :

BNA_F

ClientSampleId :

RBR-20-0010

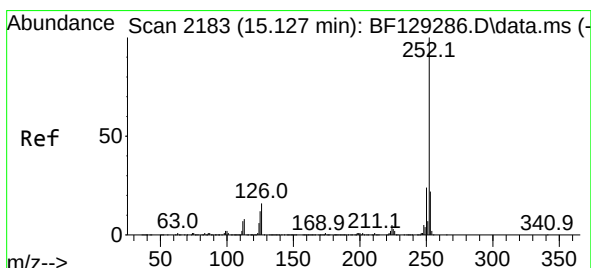
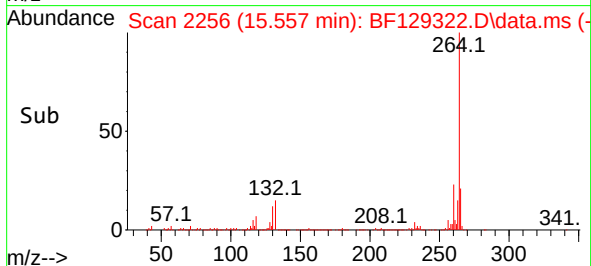
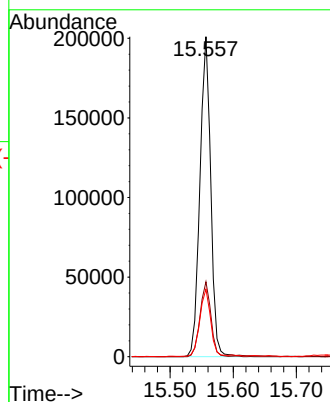
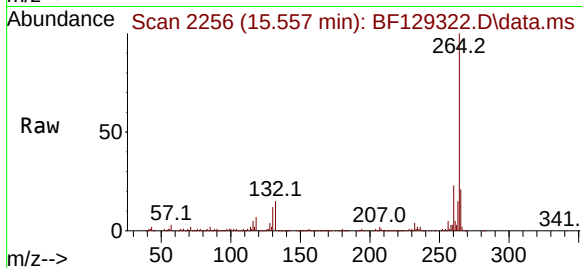
Tgt Ion:264 Resp: 238474

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 21.1 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 4.420 ng

RT: 15.115 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

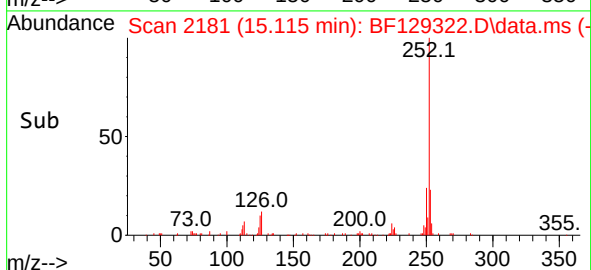
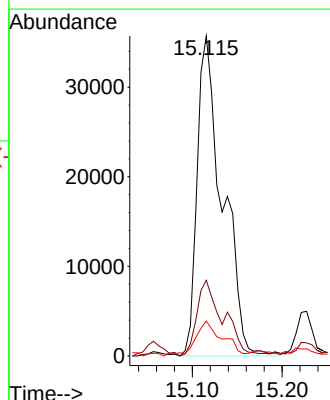
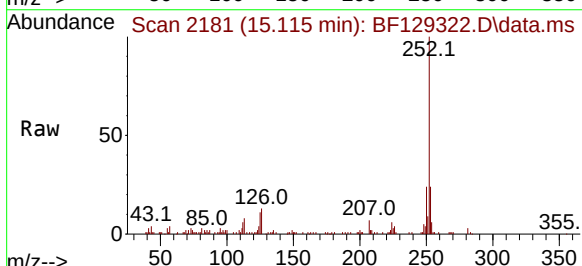
Tgt Ion:252 Resp: 70152

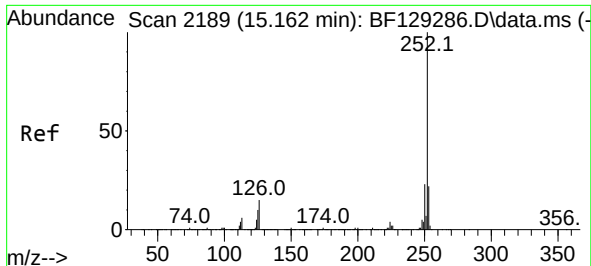
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 10.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 4.552 ng

RT: 15.115 min Scan# 2181

Delta R.T. -0.047 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

Instrument :

BNA_F

ClientSampleId :

RBR-20-0010

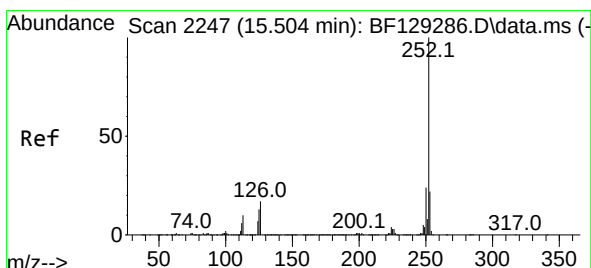
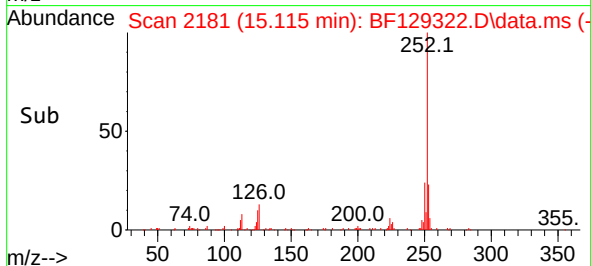
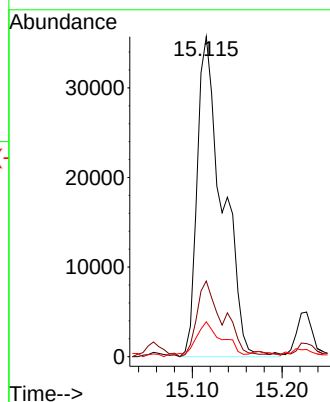
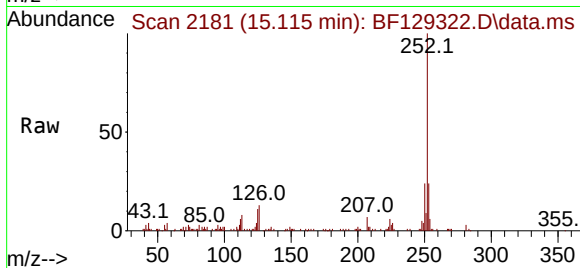
Tgt Ion:252 Resp: 70152

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 10.9 8.3 12.5



#90

Benzo(a)pyrene

Concen: 2.280 ng

RT: 15.492 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BF129322.D

Acq: 22 Jul 2022 18:42

Tgt Ion:252 Resp: 29286

Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.6

125 9.0 8.8 13.2

