

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
 Data File : BF129266.D
 Acq On : 18 Jul 2022 12:03
 Operator : CG\JU
 Sample : N3731-03DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2DL

Quant Time: Jul 19 02:07:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 12:55:49 2022
 Response via : Initial Calibration

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

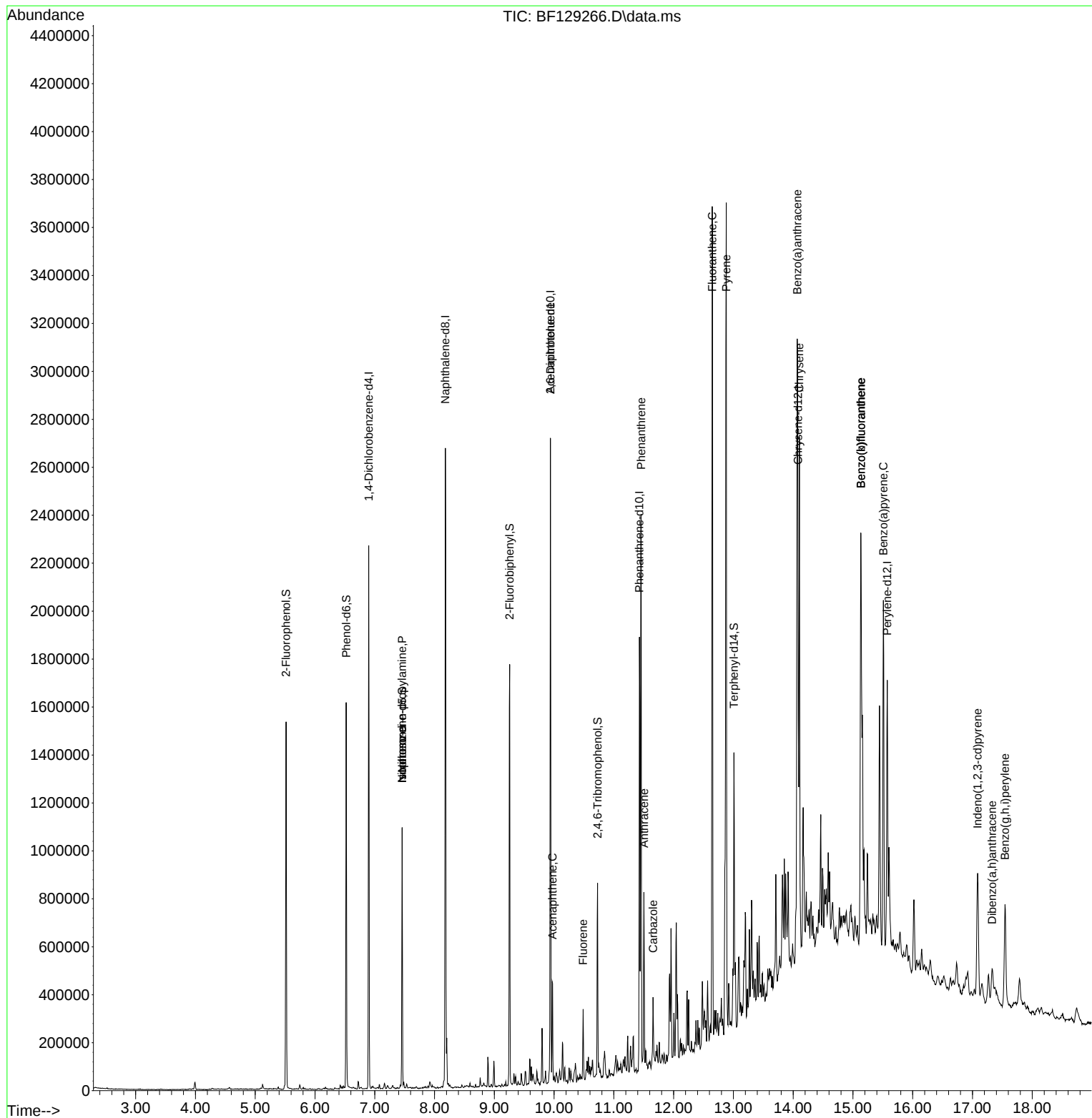
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	303386	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	1144370	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	511393	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	637994	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	479857	20.000	ng	0.00
86) Perylene-d12	15.574	264	431609	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	385663	20.302	ng	0.00
7) Phenol-d6	6.522	99	479262	19.506	ng	0.00
23) Nitrobenzene-d5	7.457	82	287471	13.428	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	73960	15.582	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	528957	17.524	ng	0.00
79) Terphenyl-d14	13.010	244	341272	13.304	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	36993	2.560	ng	# 76
25) Isophorone	7.457	82	286383	7.959	ng	# 65
51) 2,6-Dinitrotoluene	9.939	165	67246	9.364	ng	# 25
52) Acenaphthene	9.975	154	84856	3.027	ng	98
58) Fluorene	10.486	166	70415	2.327	ng	98
71) Phenanthrene	11.457	178	872793	26.945	ng	98
72) Anthracene	11.504	178	249511	7.755	ng	98
73) Carbazole	11.657	167	91382	2.847	ng	98
75) Fluoranthene	12.645	202	1399749	43.390	ng	97
78) Pyrene	12.880	202	1352041	34.787	ng	98
81) Benzo(a)anthracene	14.068	228	814123	26.897	ng	98
83) Chrysene	14.104	228	779824	26.992	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	354500	13.172	ng	96
88) Benzo(b)fluoranthene	15.133	252	1312095	49.485	ng	# 95
89) Benzo(k)fluoranthene	15.133	252	1312095	50.649	ng	# 96
90) Benzo(a)pyrene	15.509	252	677621	31.392	ng	# 95
91) Dibenzo(a,h)anthracene	17.327	278	52370	2.406	ng	92
92) Benzo(g,h,i)perylene	17.545	276	337647	15.173	ng	96

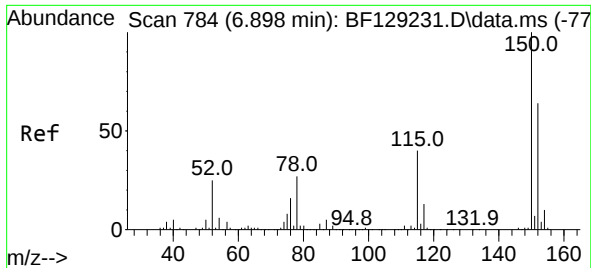
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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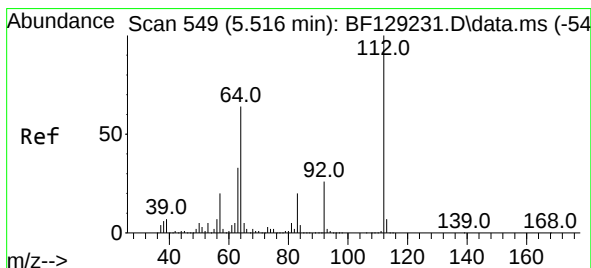
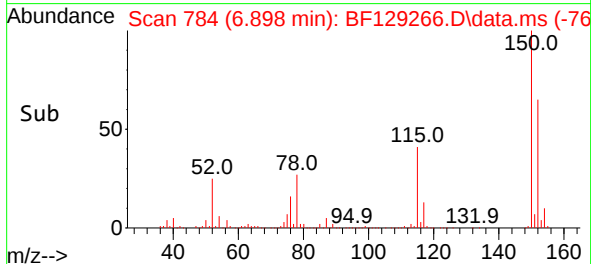
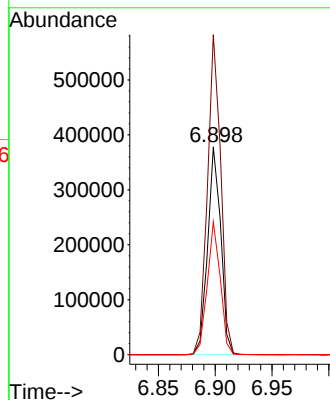
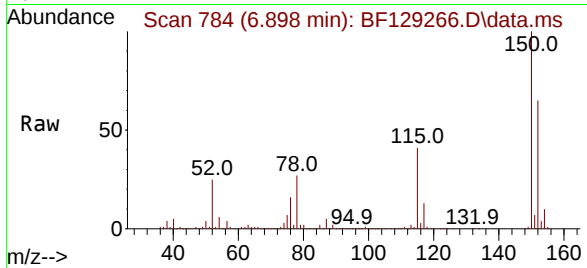




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

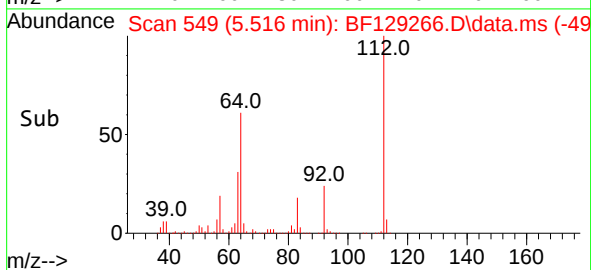
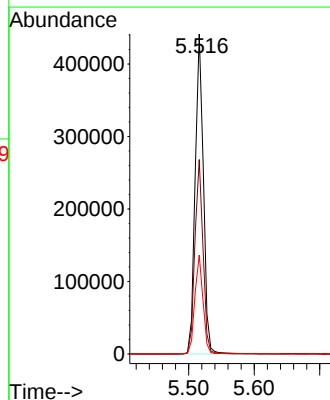
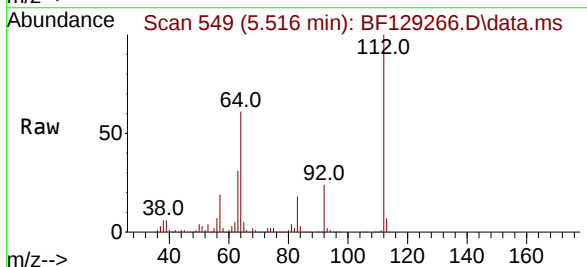
Instrument :
 BNA_F
 ClientSampleId :
 TP-2DL

Tgt Ion:152 Resp: 303386
 Ion Ratio Lower Upper
 152 100
 150 154.0 123.7 185.5
 115 63.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 20.302 ng
 RT: 5.516 min Scan# 549
 Delta R.T. -0.000 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

Tgt Ion:112 Resp: 385663
 Ion Ratio Lower Upper
 112 100
 64 60.8 53.3 79.9
 63 30.9 28.0 42.0

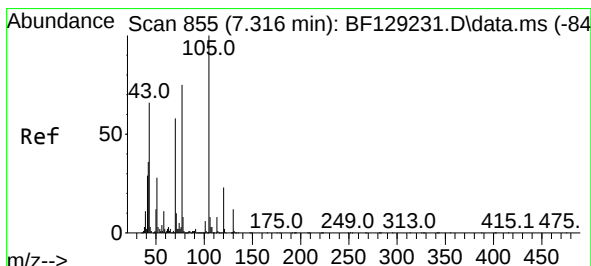
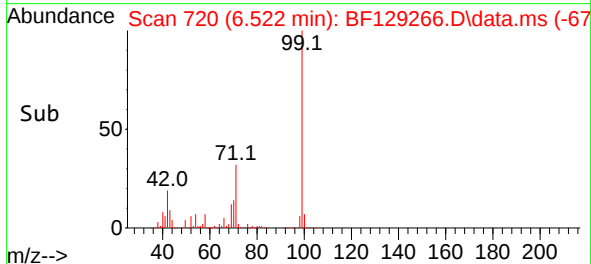
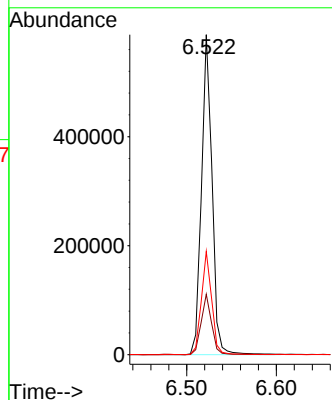
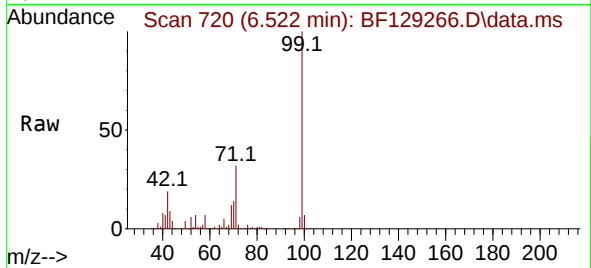




#7
Phenol-d6
Concen: 19.506 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

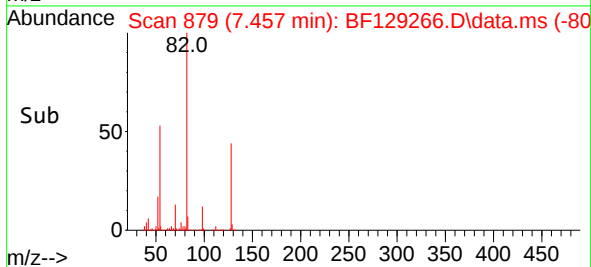
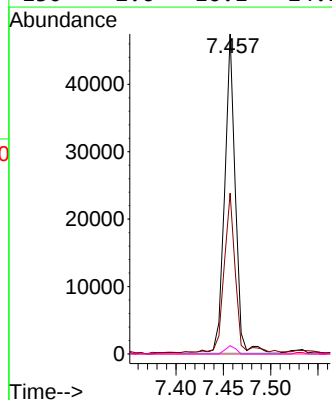
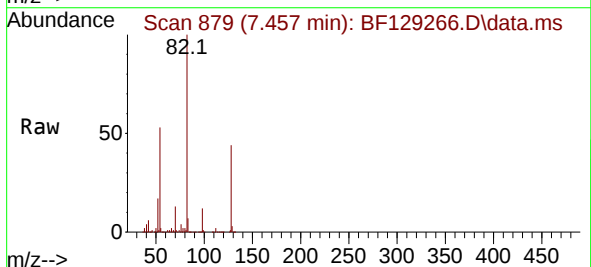
Instrument :
BNA_F
ClientSampleId :
TP-2DL

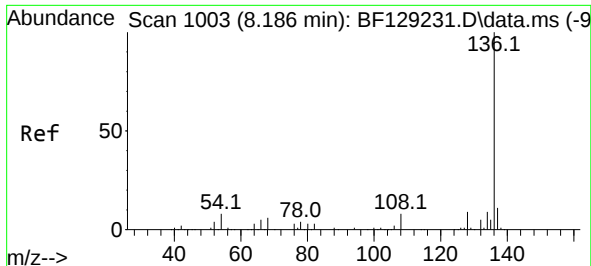
Tgt Ion: 99 Resp: 479262
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 32.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.560 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.141 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

Tgt Ion: 70 Resp: 36993
Ion Ratio Lower Upper
70 100
42 50.2 52.3 78.5#
101 0.0 7.5 11.3#
130 2.6 16.1 24.1#

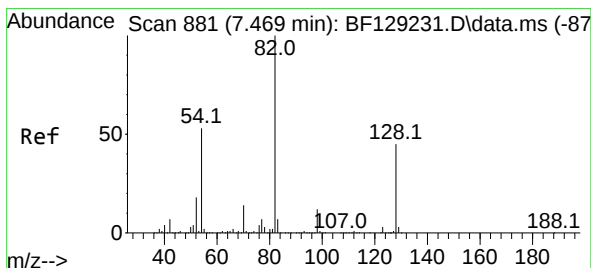
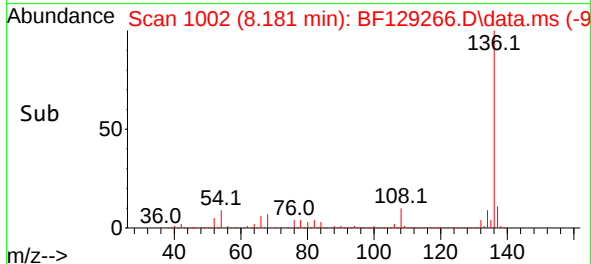
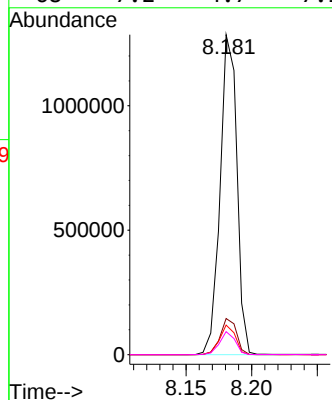
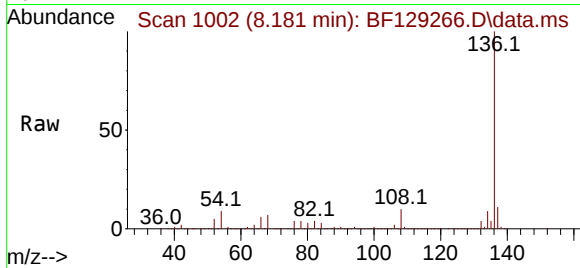




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

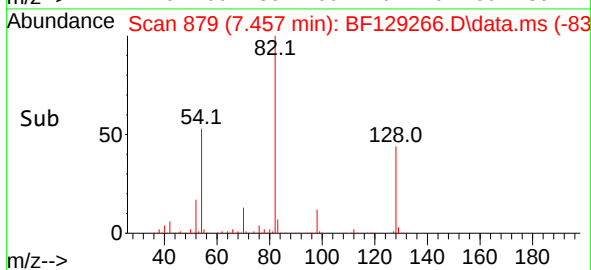
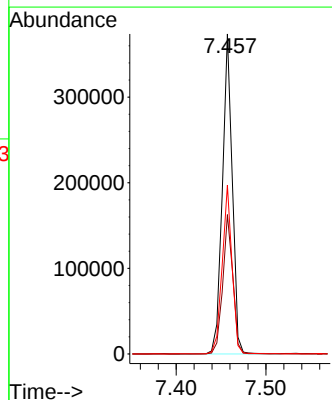
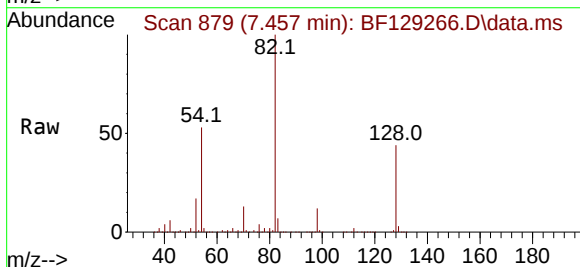
Instrument :
BNA_F
ClientSampleId :
TP-2DL

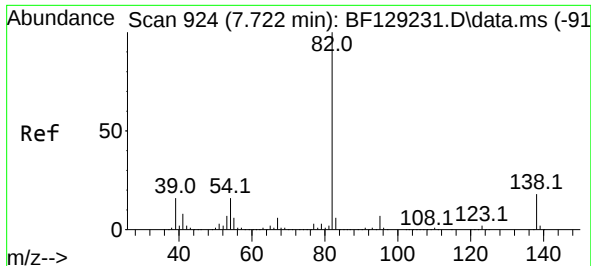
Tgt Ion:136 Resp: 1144370
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.3 7.5 11.3
68 7.2 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 13.428 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

Tgt Ion: 82 Resp: 287471
Ion Ratio Lower Upper
82 100
128 43.6 34.0 51.0
54 52.8 46.9 70.3

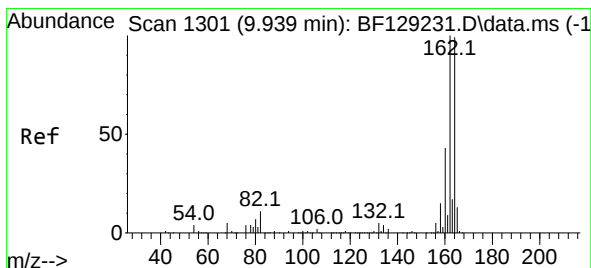
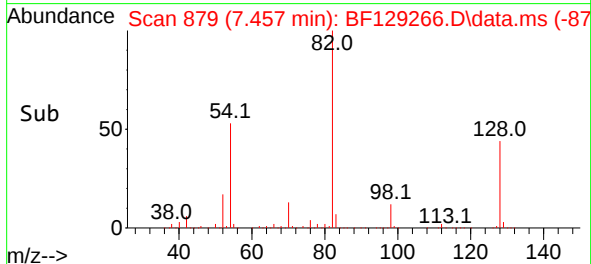
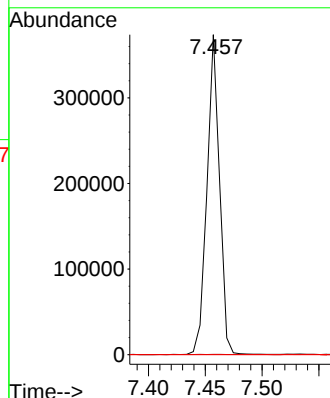
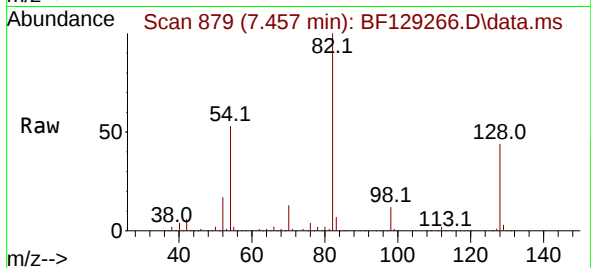




#25
Isophorone
Concen: 7.959 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

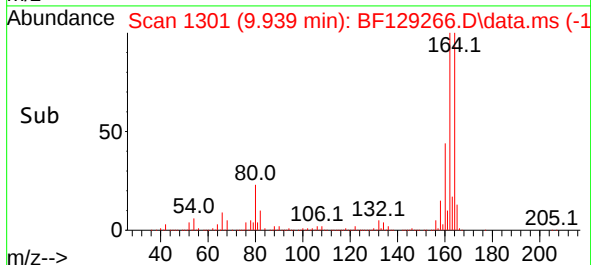
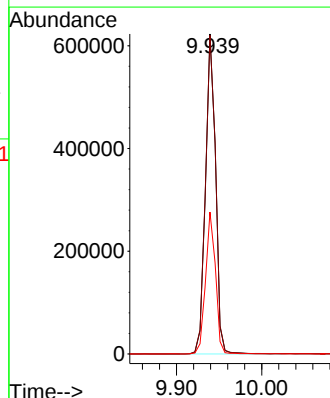
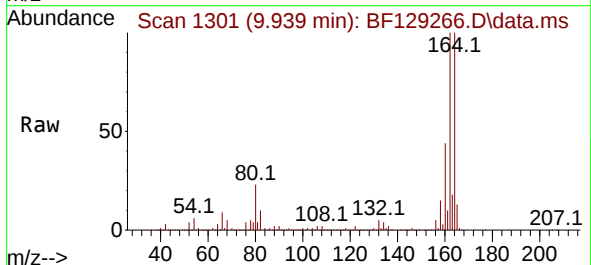
Instrument :
BNA_F
ClientSampleId :
TP-2DL

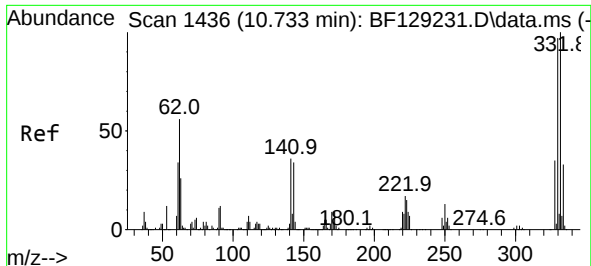
Tgt Ion: 82 Resp: 286383
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

Tgt Ion:164 Resp: 511393
Ion Ratio Lower Upper
164 100
162 99.6 79.5 119.3
160 44.4 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 15.582 ng

RT: 10.727 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

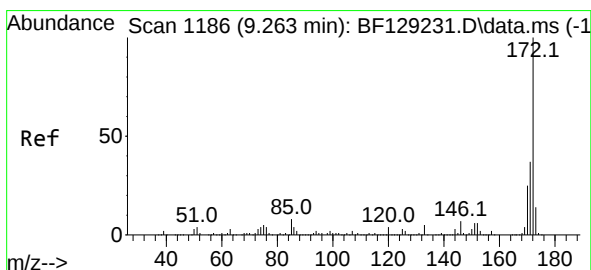
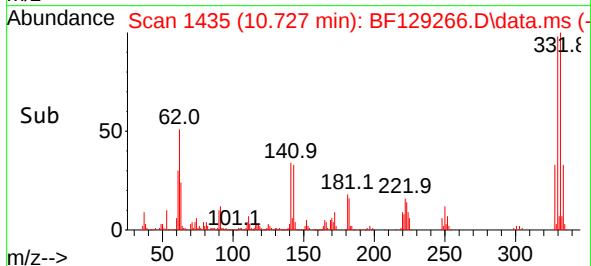
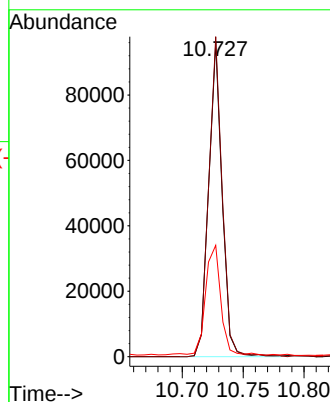
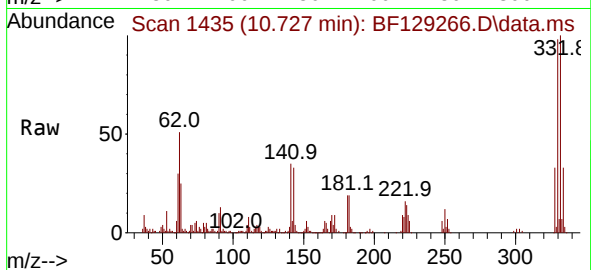
Tgt Ion:330 Resp: 73960

Ion Ratio Lower Upper

330 100

332 101.8 76.8 115.2

141 39.8 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 17.524 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

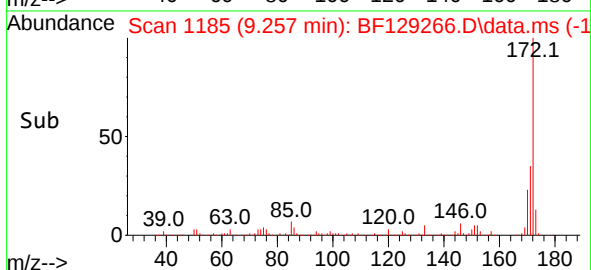
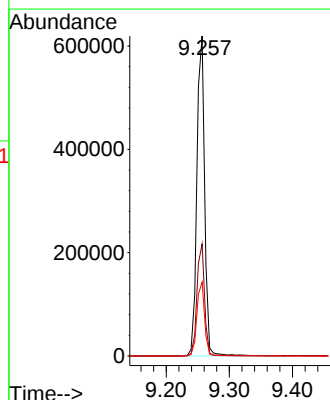
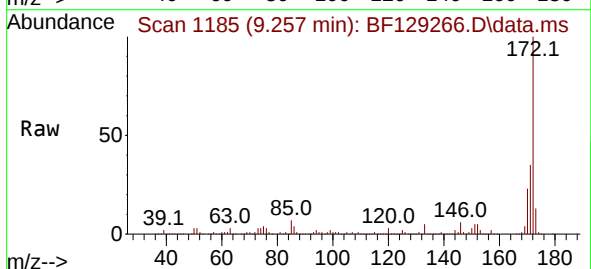
Tgt Ion:172 Resp: 528957

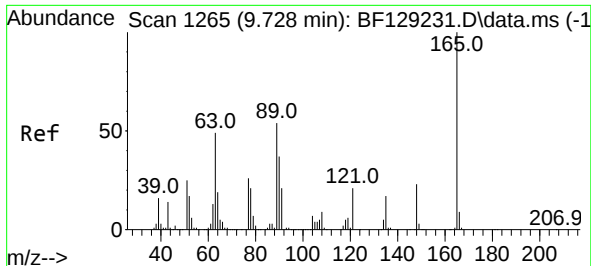
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.0 19.8 29.8

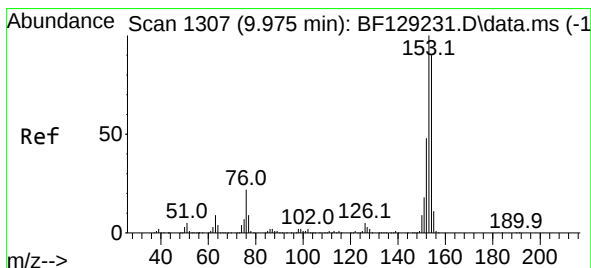
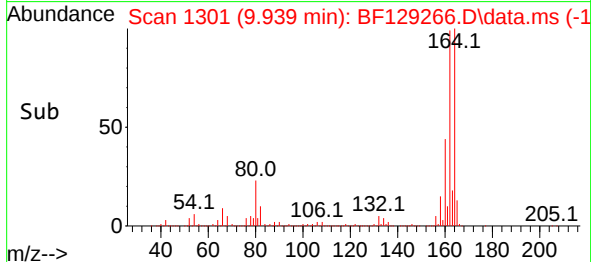
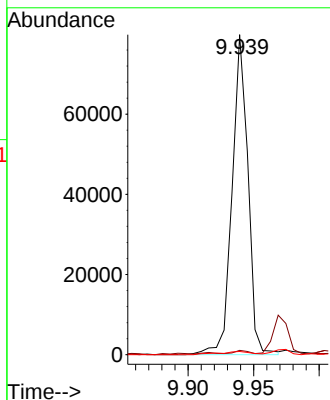
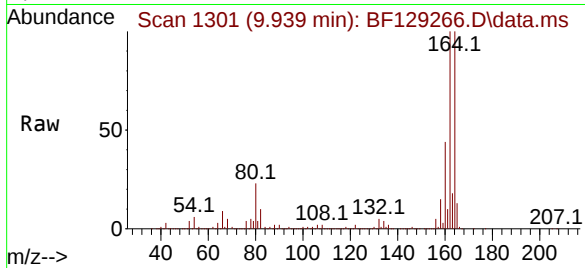




#51
2,6-Dinitrotoluene
Concen: 9.364 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

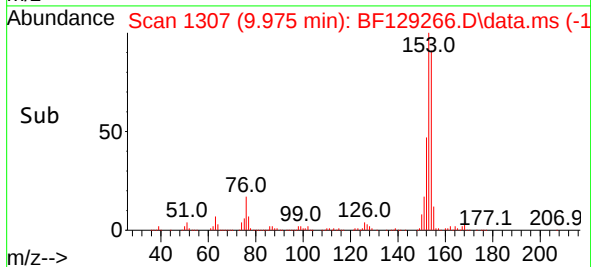
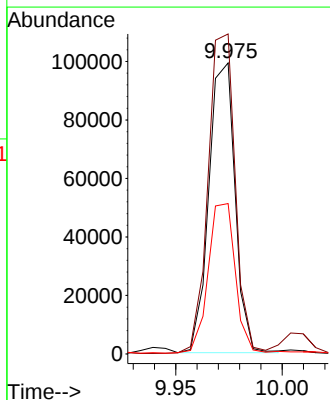
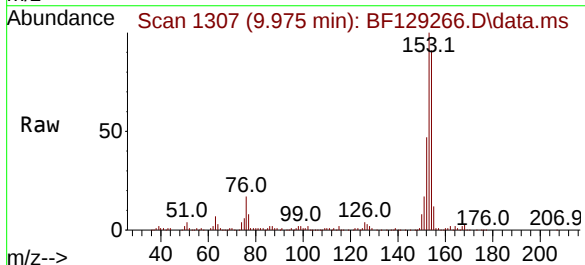
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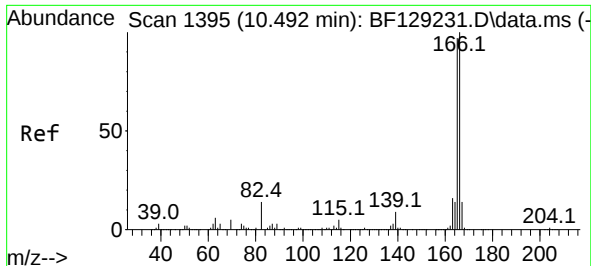
Tgt Ion:165 Resp: 67246
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.0 43.6 65.4#



#52
Acenaphthene
Concen: 3.027 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

Tgt Ion:154 Resp: 84856
Ion Ratio Lower Upper
154 100
153 110.0 89.6 134.4
152 51.7 42.4 63.6

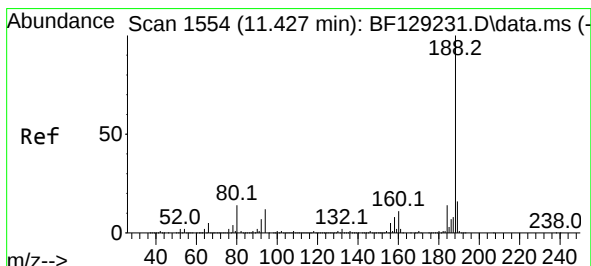
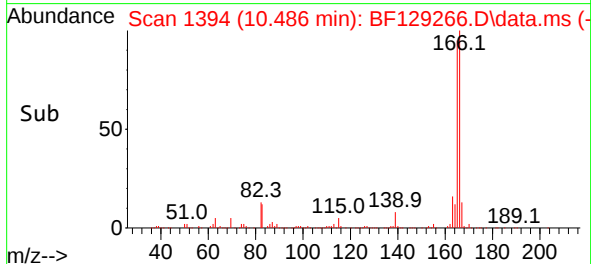
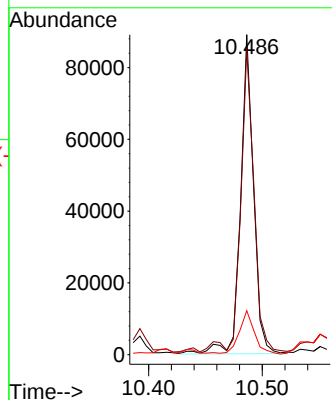
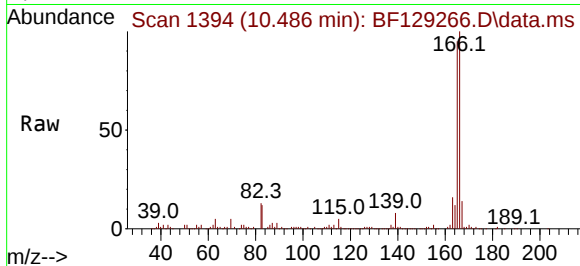




#58
Fluorene
Concen: 2.327 ng
RT: 10.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

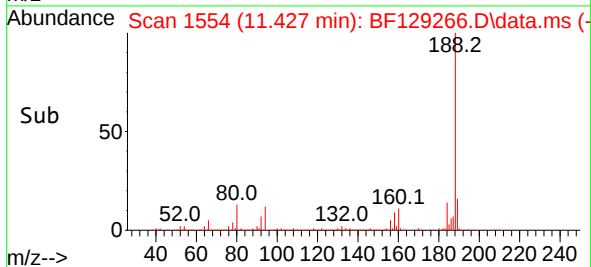
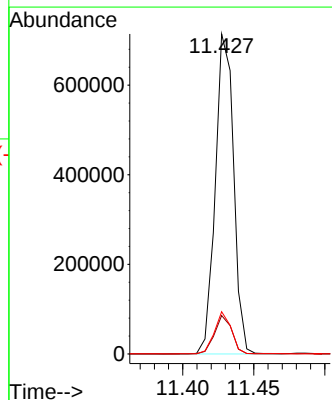
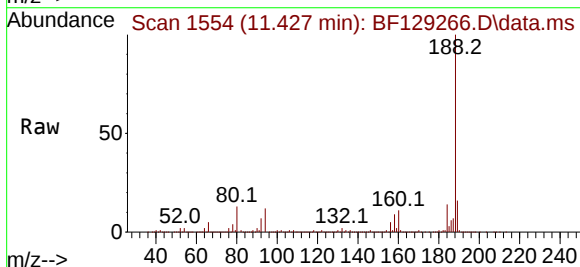
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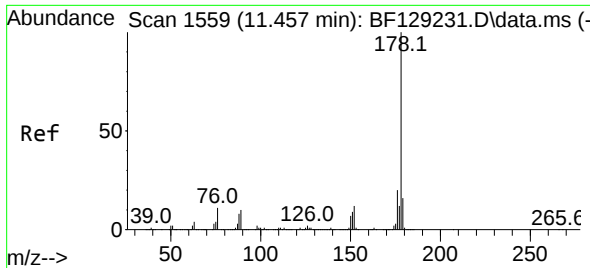
Tgt Ion:166 Resp: 70415
Ion Ratio Lower Upper
166 100
165 95.4 78.1 117.1
167 13.7 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

Tgt Ion:188 Resp: 637994
Ion Ratio Lower Upper
188 100
94 12.0 7.0 10.6#
80 13.2 7.6 11.4#

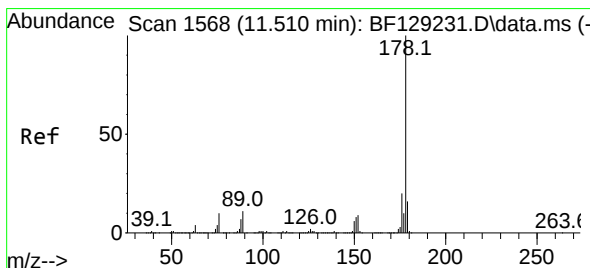
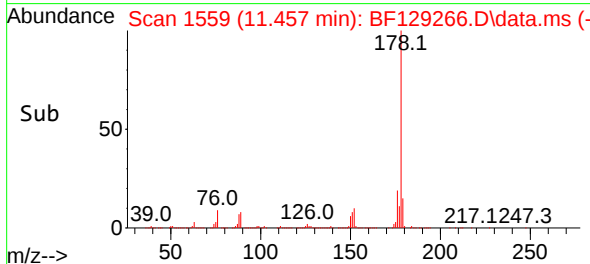
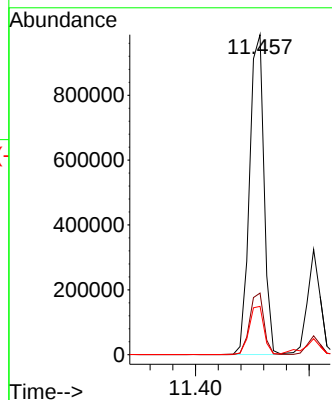
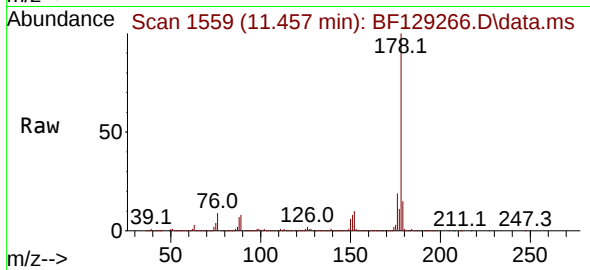




#71
Phenanthrene
Concen: 26.945 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

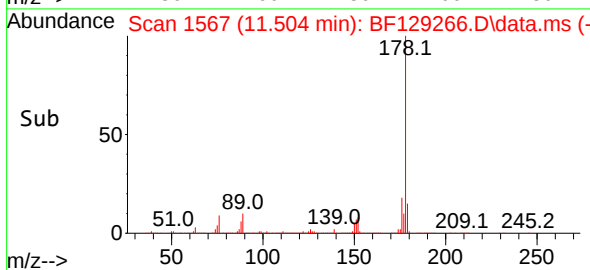
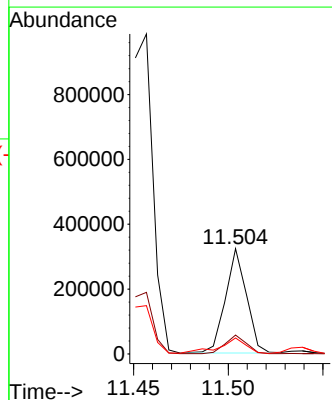
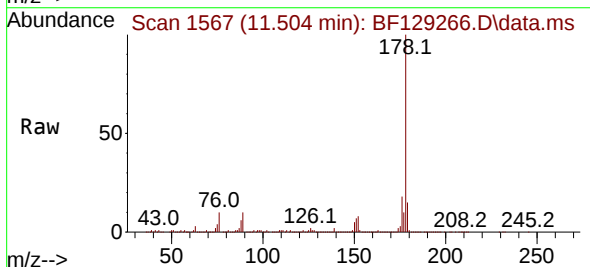
Instrument :
BNA_F
ClientSampleId :
TP-2DL

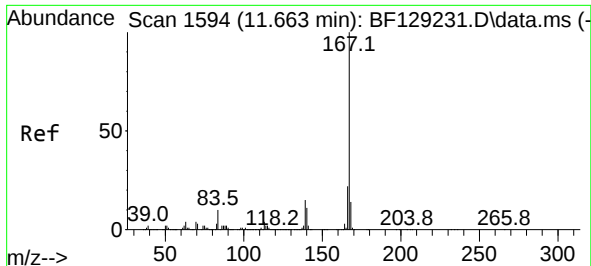
Tgt Ion:178 Resp: 872793
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.1 12.6 19.0



#72
Anthracene
Concen: 7.755 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

Tgt Ion:178 Resp: 249511
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 15.3 12.6 19.0

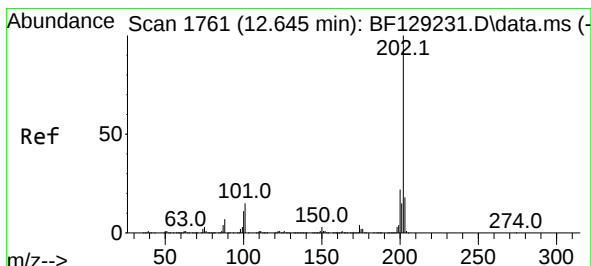
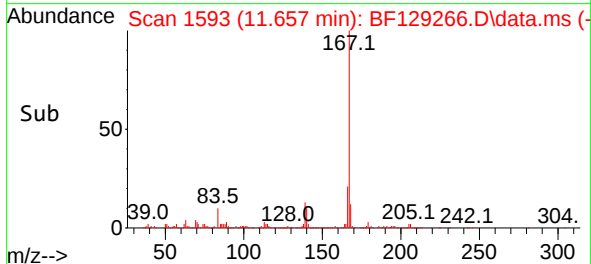
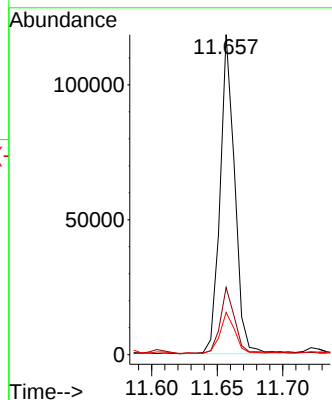
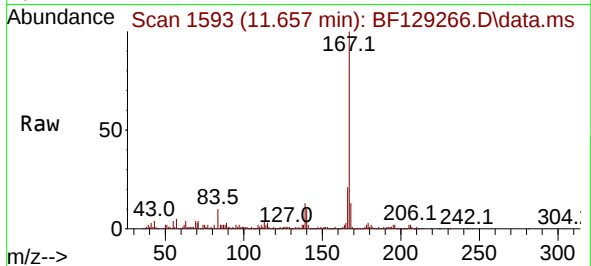




#73
 Carbazole
 Concen: 2.847 ng
 RT: 11.657 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

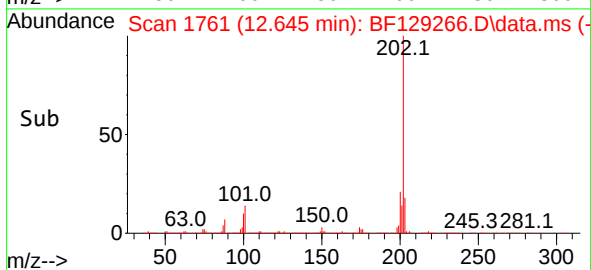
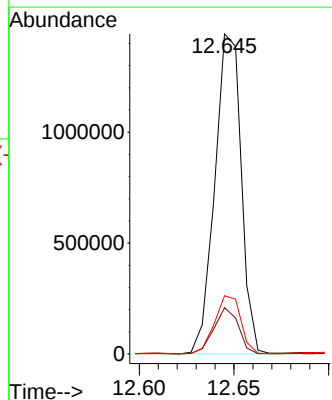
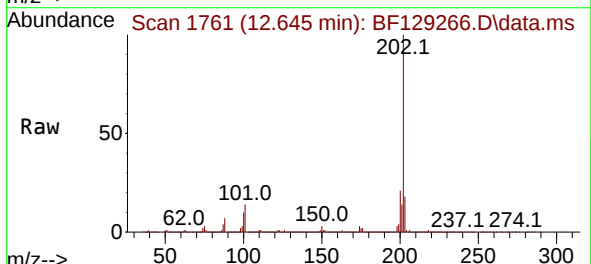
Instrument :
 BNA_F
 ClientSampleId :
 TP-2DL

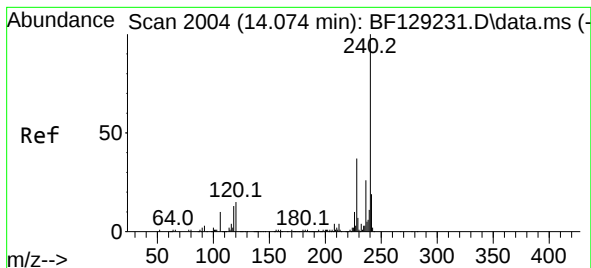
Tgt Ion:167 Resp: 91382
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.7 26.5
 139 13.2 11.2 16.8



#75
 Fluoranthene
 Concen: 43.390 ng
 RT: 12.645 min Scan# 1761
 Delta R.T. -0.000 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

Tgt Ion:202 Resp: 1399749
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 31.4
 203 18.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2005

Delta R.T. 0.006 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

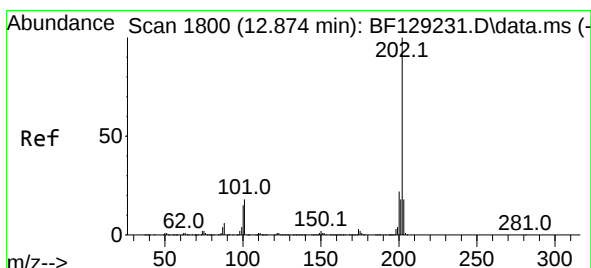
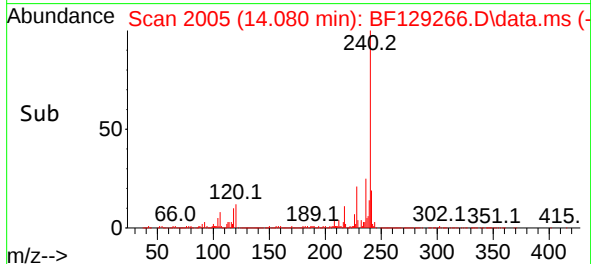
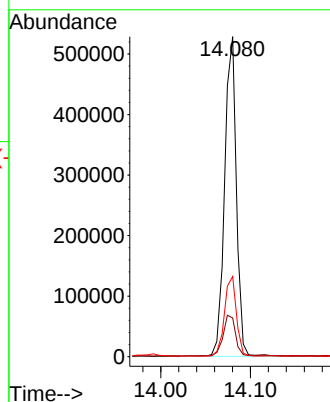
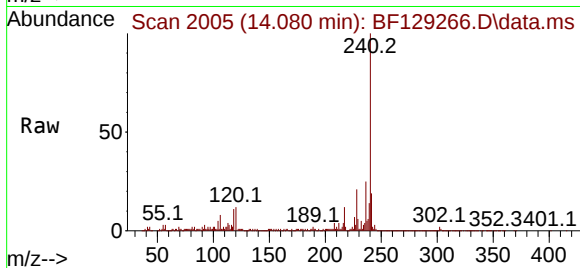
Tgt Ion:240 Resp: 479857

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

236 25.1 20.8 31.2



#78

Pyrene

Concen: 34.787 ng

RT: 12.880 min Scan# 1801

Delta R.T. 0.006 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

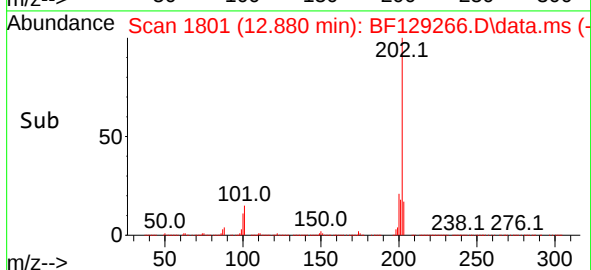
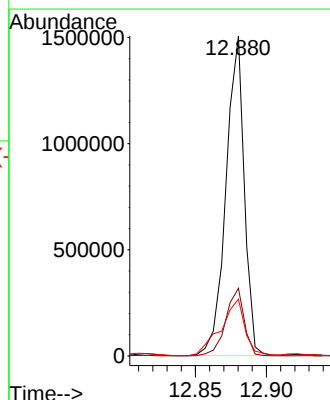
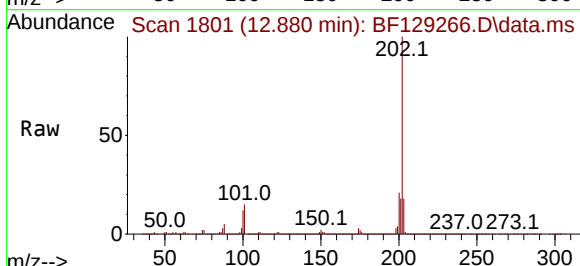
Tgt Ion:202 Resp: 1352041

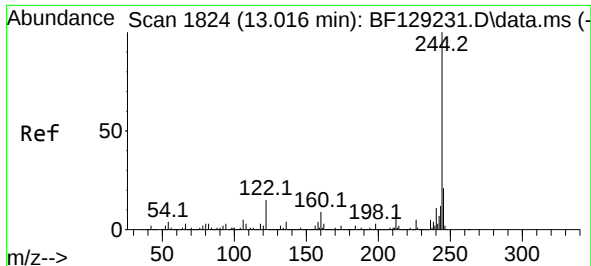
Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 17.7 14.6 21.8

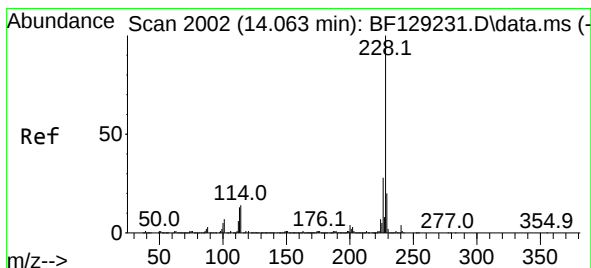
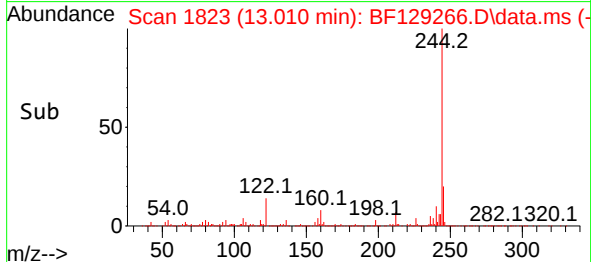
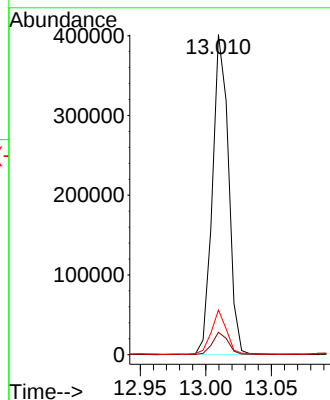
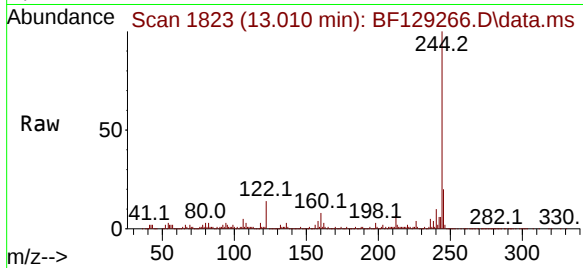




#79
 Terphenyl-d14
 Concen: 13.304 ng
 RT: 13.010 min Scan# 1824
 Delta R.T. -0.006 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

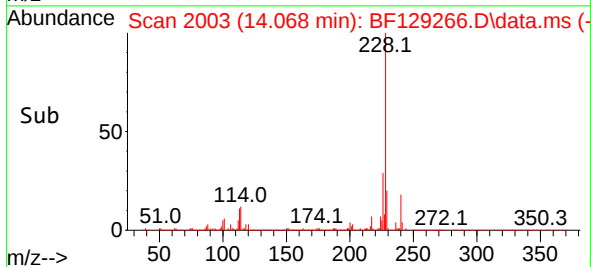
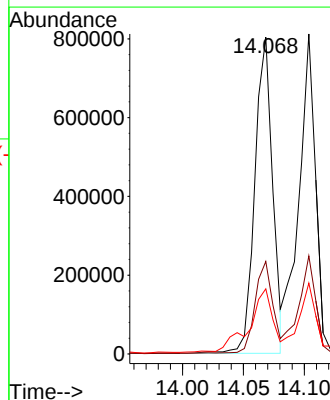
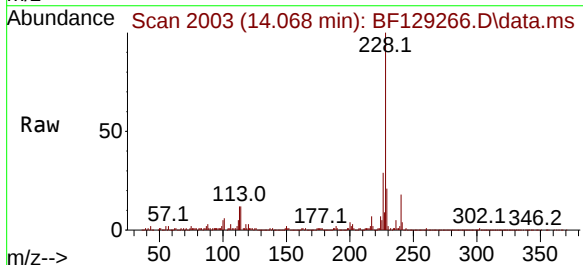
Instrument :
 BNA_F
 ClientSampleId :
 TP-2DL

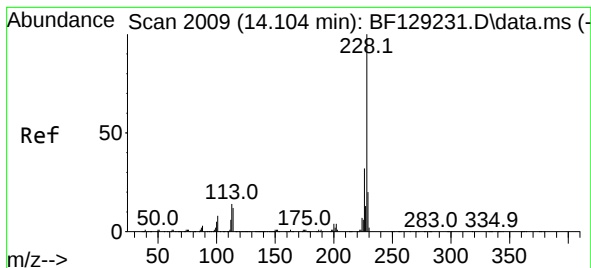
Tgt Ion:244 Resp: 341272
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 13.9 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 26.897 ng
 RT: 14.068 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

Tgt Ion:228 Resp: 814123
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.1 33.1
 229 20.5 15.8 23.8





#83

Chrysene

Concen: 26.992 ng

RT: 14.104 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

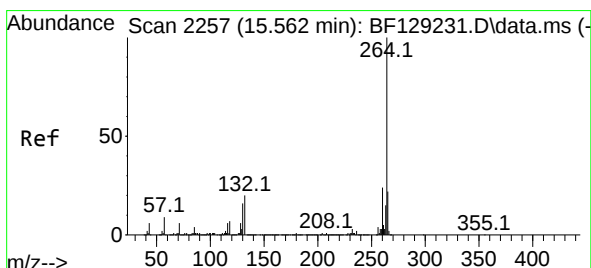
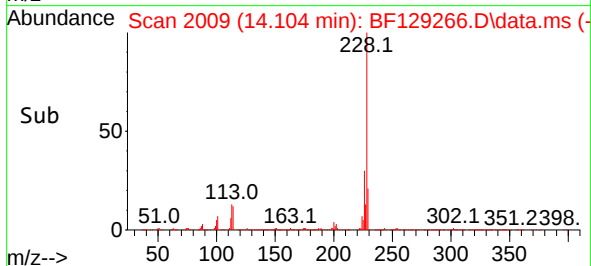
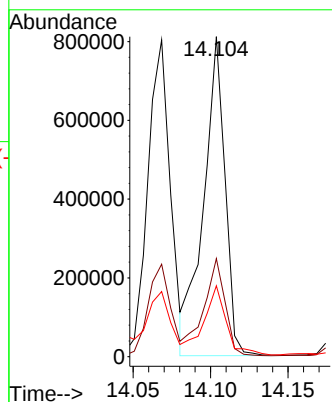
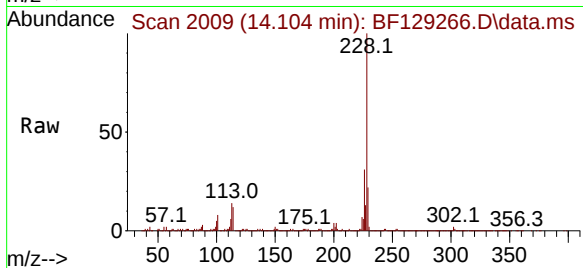
Tgt Ion:228 Resp: 779824

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 22.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2259

Delta R.T. 0.012 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

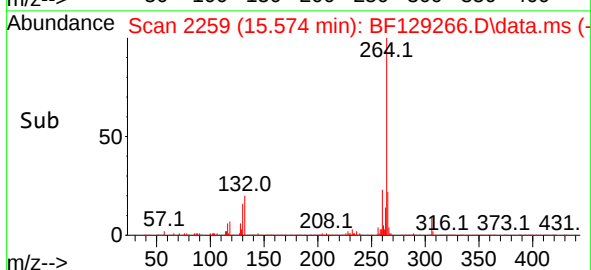
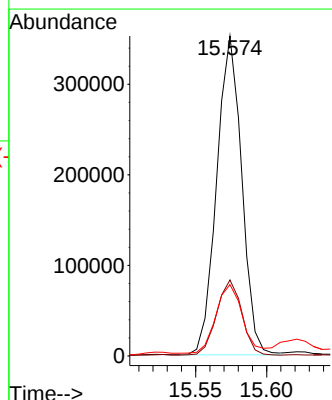
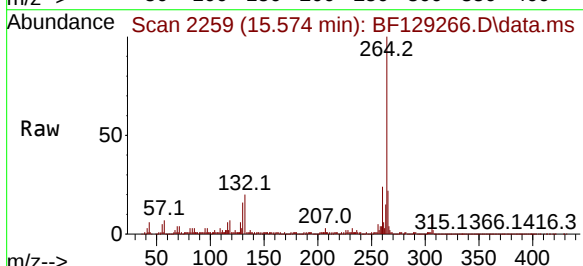
Tgt Ion:264 Resp: 431609

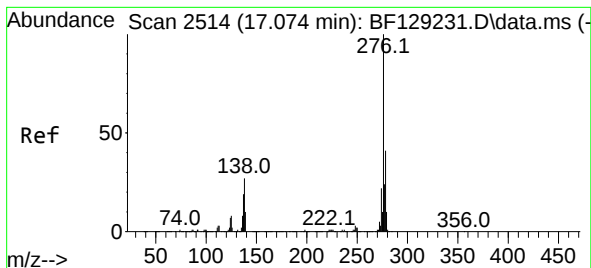
Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 22.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.172 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

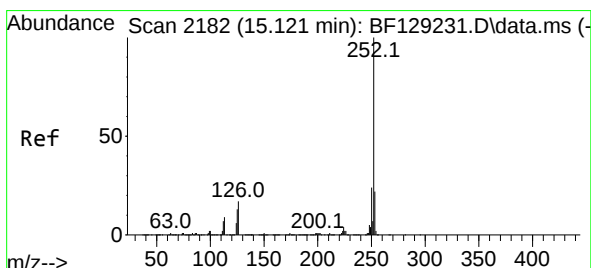
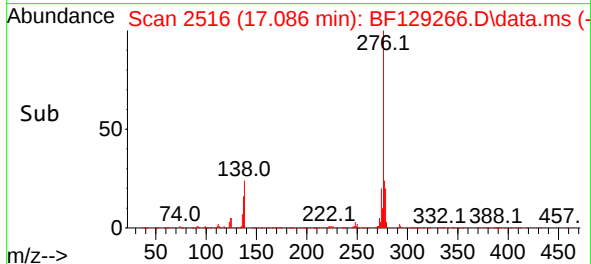
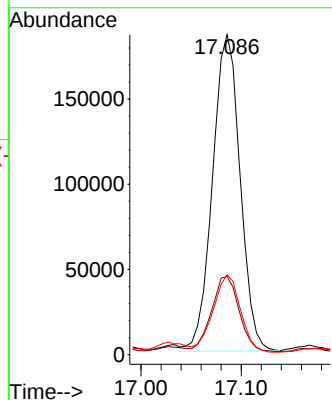
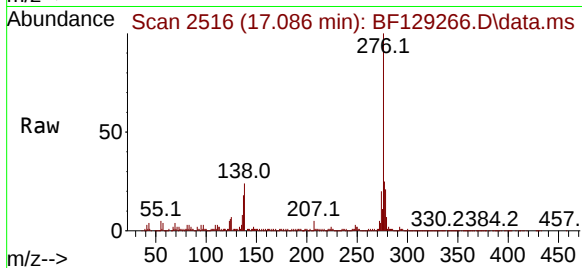
Tgt Ion:276 Resp: 354500

Ion Ratio Lower Upper

276 100

138 23.6 21.1 31.7

277 24.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 49.485 ng

RT: 15.133 min Scan# 2184

Delta R.T. 0.012 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

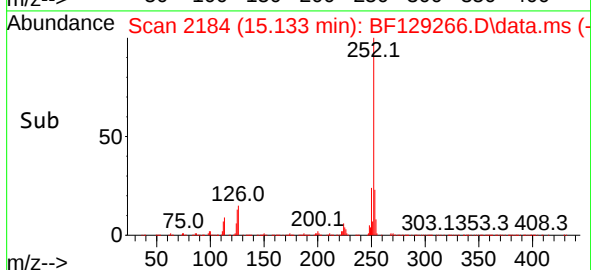
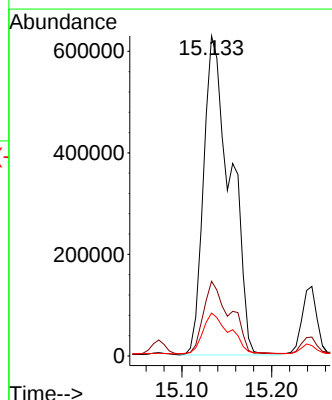
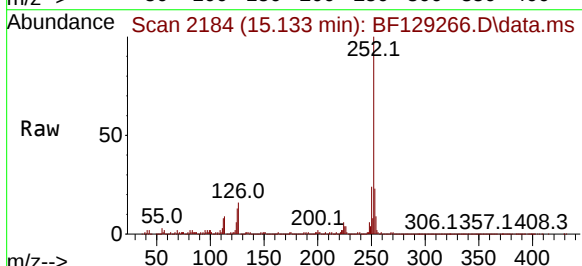
Tgt Ion:252 Resp: 1312095

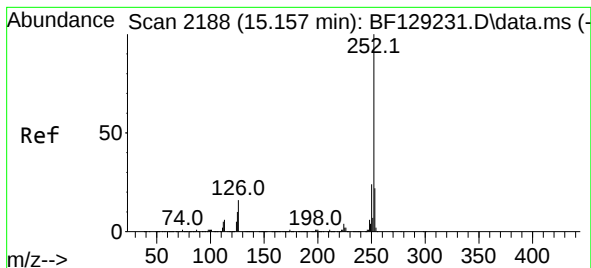
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 13.4 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 50.649 ng

RT: 15.133 min Scan# 2188

Delta R.T. -0.024 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

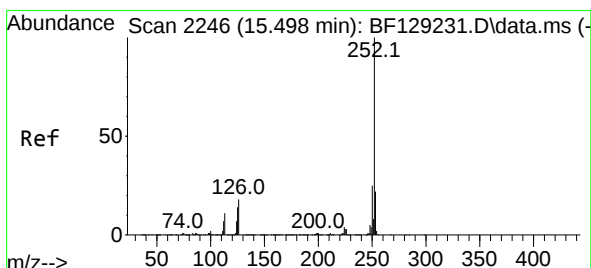
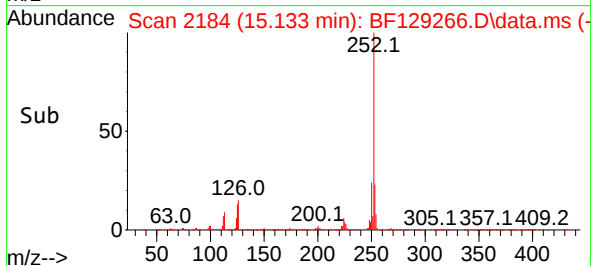
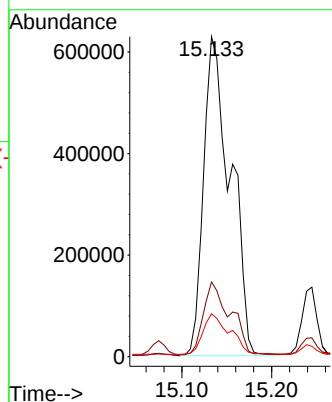
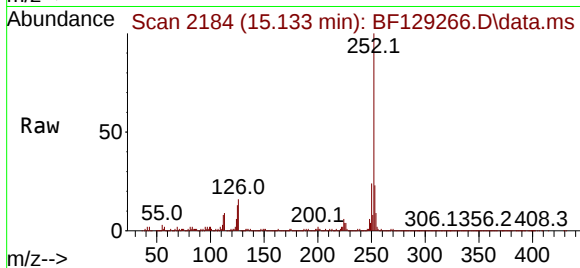
Tgt Ion:252 Resp: 1312095

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 13.4 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 31.392 ng

RT: 15.509 min Scan# 2248

Delta R.T. 0.012 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

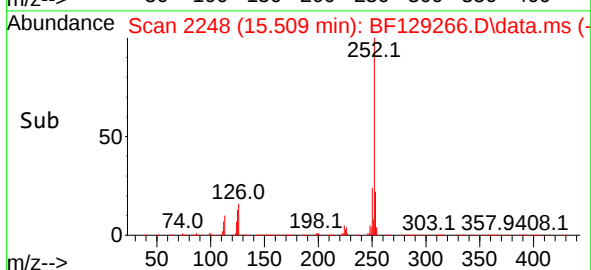
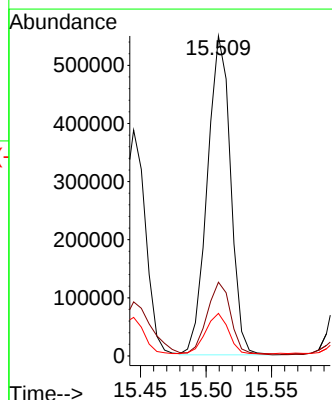
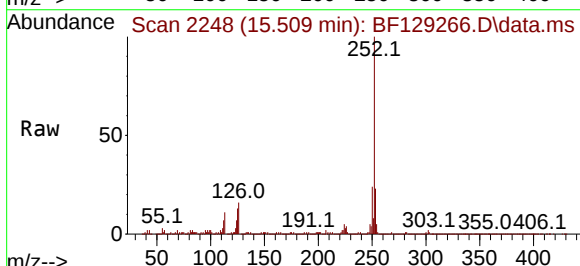
Tgt Ion:252 Resp: 677621

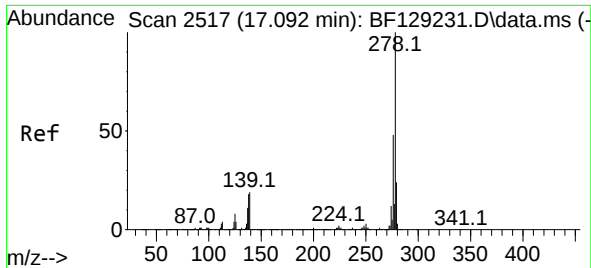
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 13.3 8.8 13.2#

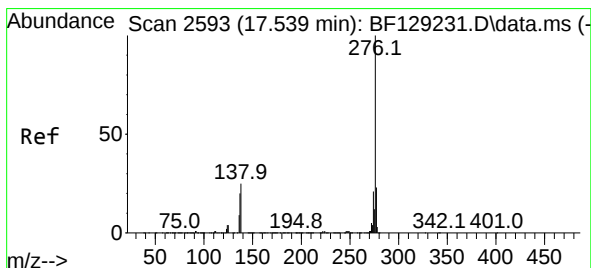
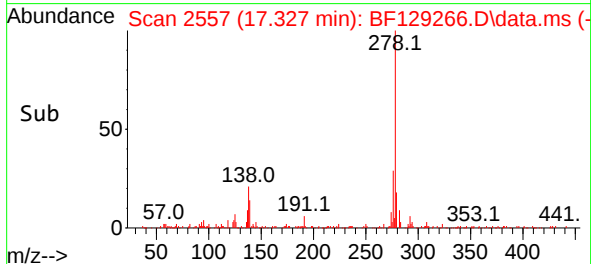
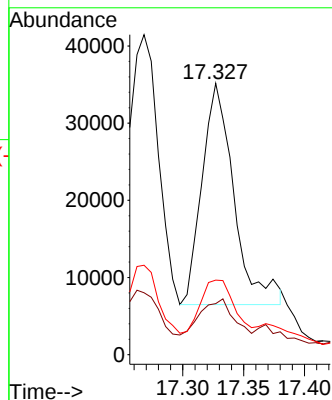
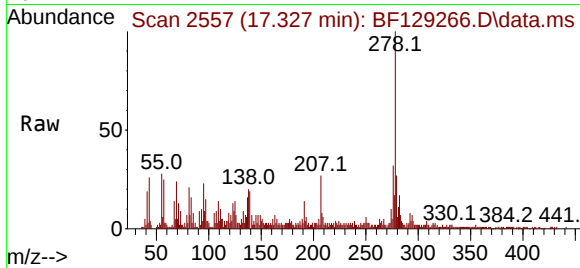




#91
 Dibenzo(a,h)anthracene
 Concen: 2.406 ng
 RT: 17.327 min Scan# 2557
 Delta R.T. 0.235 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2DL

Tgt Ion: 278 Resp: 52370
 Ion Ratio Lower Upper
 278 100
 139 18.8 12.8 19.2
 279 27.5 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 15.173 ng
 RT: 17.545 min Scan# 2594
 Delta R.T. 0.006 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

Tgt Ion: 276 Resp: 337647
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.1 28.7
 138 25.3 18.0 27.0

