

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081822\
 Data File : BF129899.D
 Acq On : 19 Aug 2022 03:38
 Operator : CG\JU
 Sample : N4228-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081622

Quant Time: Aug 19 03:57:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 12:03:10 2022
 Response via : Initial Calibration

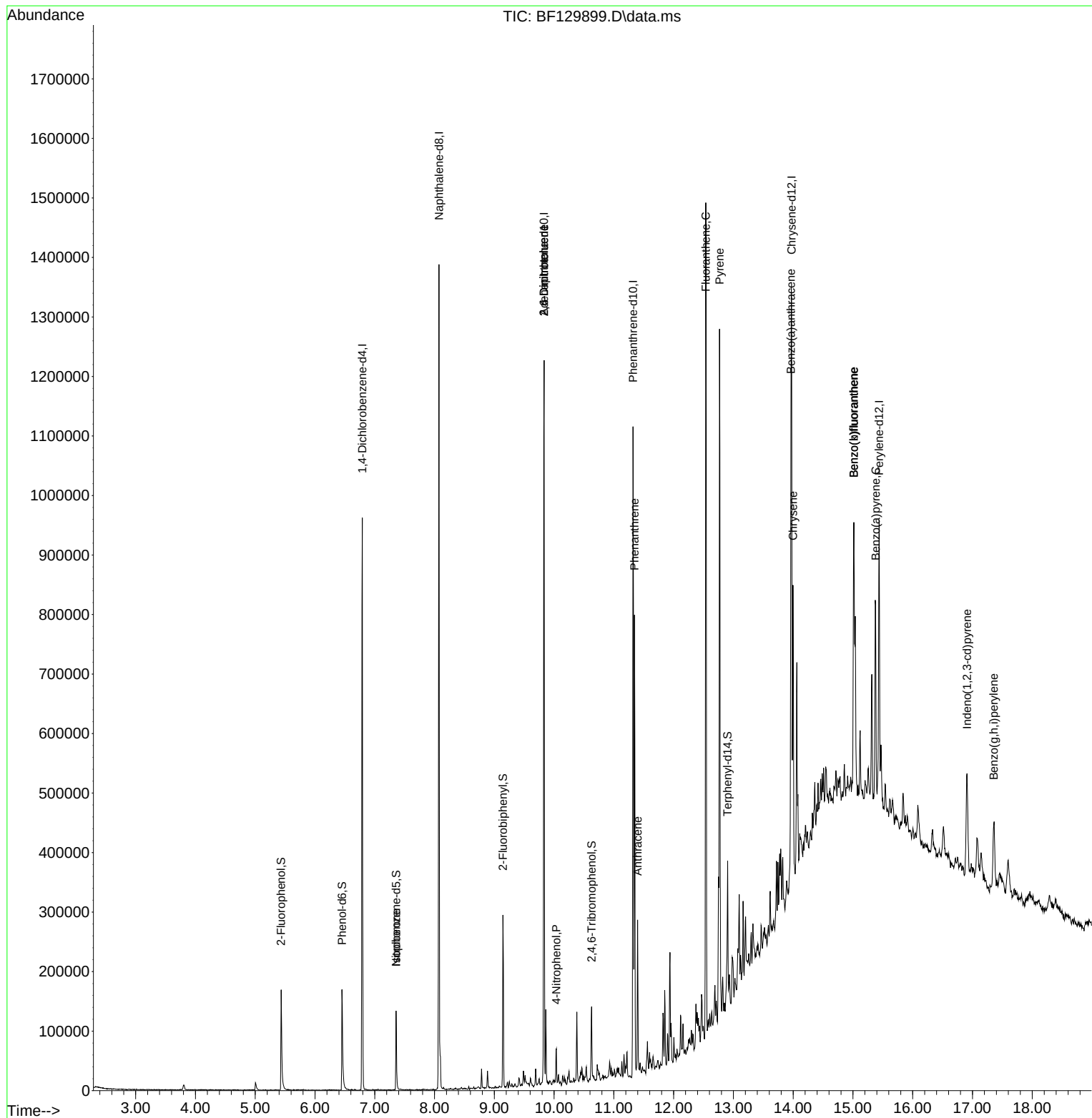
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	146203	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	540163	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	247738	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	360306	20.000	ng	0.00
76) Chrysene-d12	13.974	240	270133	20.000	ng	0.00
86) Perylene-d12	15.439	264	214858	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	55519	6.287	ng	0.00
7) Phenol-d6	6.451	99	67285	6.085	ng	0.00
23) Nitrobenzene-d5	7.357	82	42163	4.178	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	12076	4.857	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	80054	4.908	ng	0.00
79) Terphenyl-d14	12.904	244	70276	4.329	ng	0.00
Target Compounds						
9) Benzaldehyde	6.457	77	126	Below Cal	Qvalue	# 1
25) Isophorone	7.357	82	42163	2.428	ng	# 65
51) 2,6-Dinitrotoluene	9.833	165	32241	8.369	ng	# 23
56) 4-Nitrophenol	10.039	139	8109	4.278	ng	# 9
57) 2,4-Dinitrotoluene	9.833	165	32241	6.447	ng	# 18
71) Phenanthrene	11.345	178	263250	13.082	ng	99
72) Anthracene	11.398	178	88019	4.398	ng	98
75) Fluoranthene	12.539	202	527796	25.632	ng	99
77) Benzidine	12.639	184	251	Below Cal	#	1
78) Pyrene	12.769	202	453479	19.318	ng	99
81) Benzo(a)anthracene	13.963	228	239709	12.900	ng	98
83) Chrysene	13.998	228	183324	10.539	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	94090	6.379	ng	96
88) Benzo(b)fluoranthene	15.015	252	325187	22.103	ng	96
89) Benzo(k)fluoranthene	15.015	252	325187	23.048	ng	95
90) Benzo(a)pyrene	15.380	252	173584	14.982	ng	99
92) Benzo(g,h,i)perylene	17.357	276	85276	7.023	ng	93

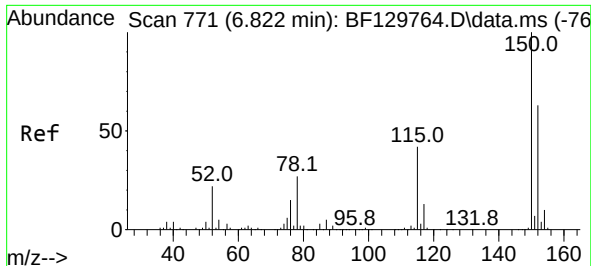
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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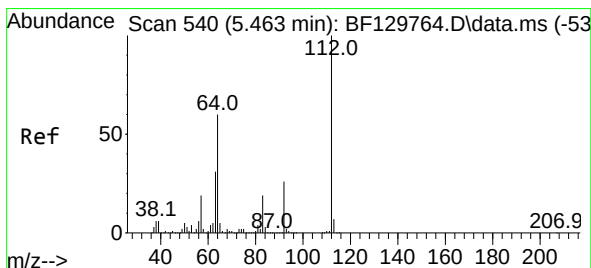
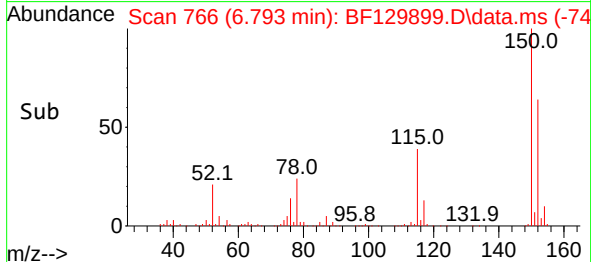
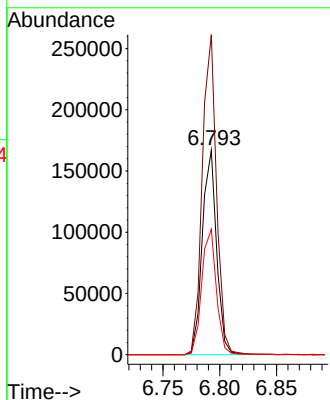
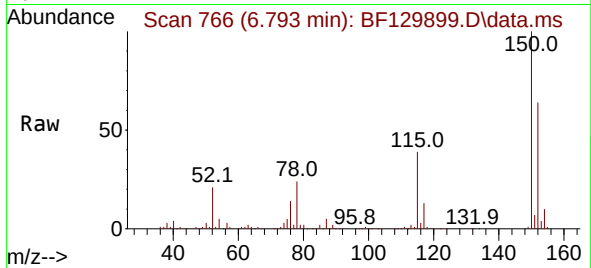




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 70
 Delta R.T. 0.001 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38

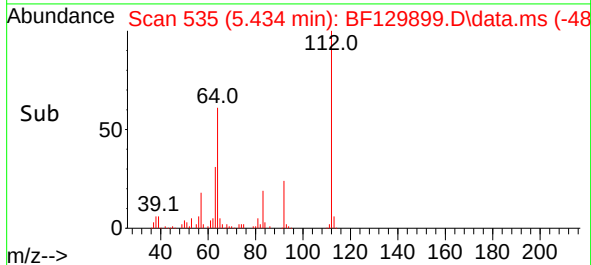
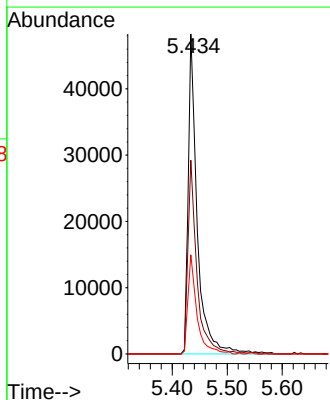
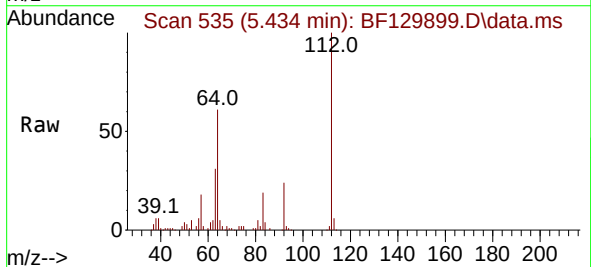
Instrument :
 BNA_F
 ClientSampleId :
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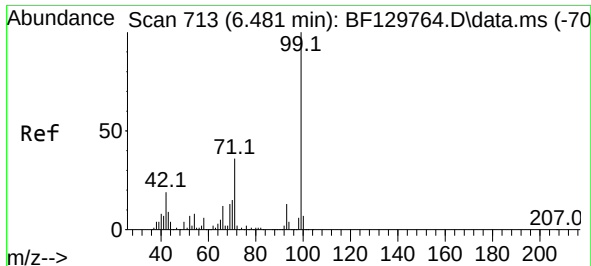
Tgt Ion:152 Resp: 146203
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.9 190.3
 115 61.4 53.4 80.0



#5
 2-Fluorophenol
 Concen: 6.287 ng
 RT: 5.434 min Scan# 535
 Delta R.T. 0.006 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38

Tgt Ion:112 Resp: 55519
 Ion Ratio Lower Upper
 112 100
 64 60.5 47.6 71.4
 63 31.0 24.6 37.0

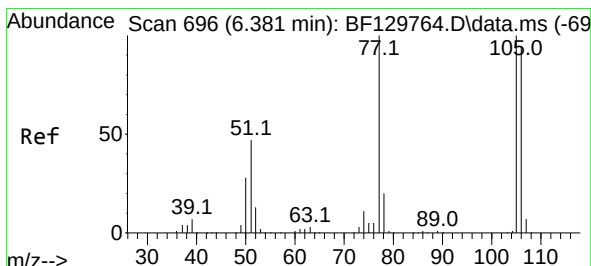
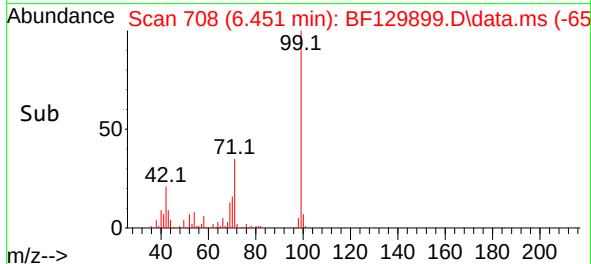
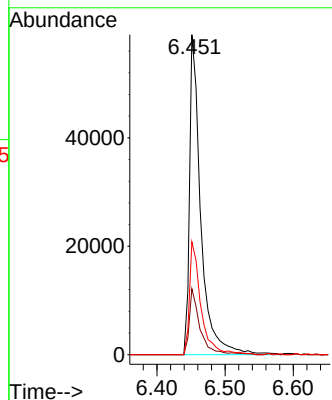
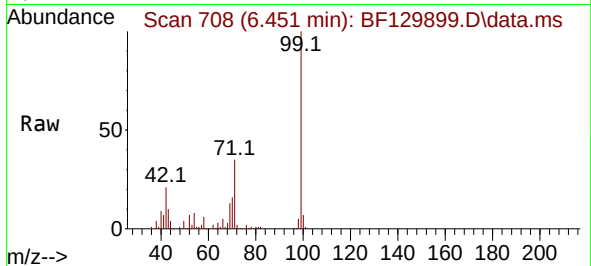




#7
Phenol-d6
Concen: 6.085 ng
RT: 6.451 min Scan# 709
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

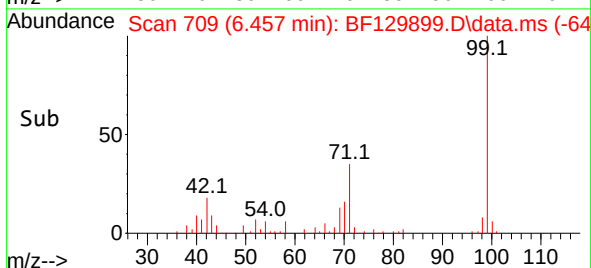
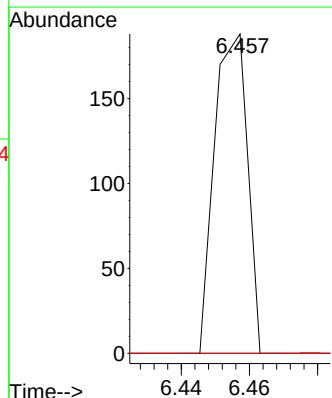
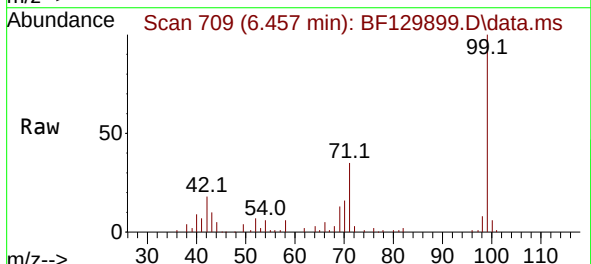
Instrument :
BNA_F
ClientSampleId :
OK-03-081622

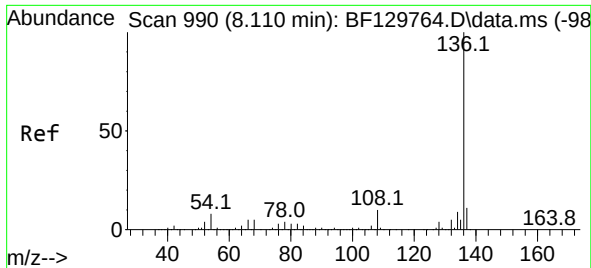
Tgt Ion: 99 Resp: 67285
Ion Ratio Lower Upper
99 100
42 20.6 15.0 22.4
71 35.2 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 709
Delta R.T. 0.106 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion: 77 Resp: 126
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

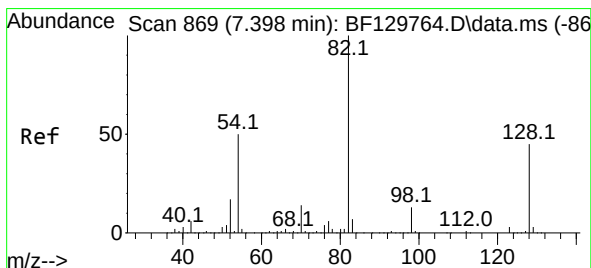
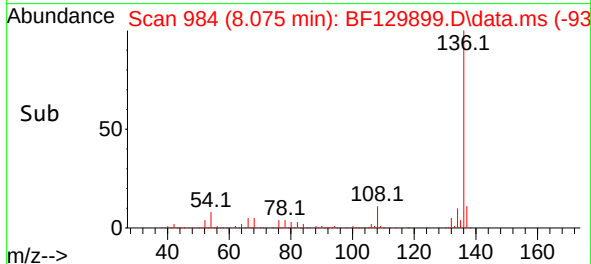
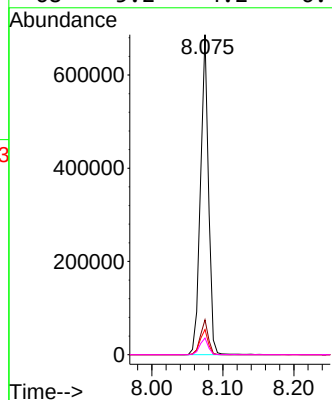
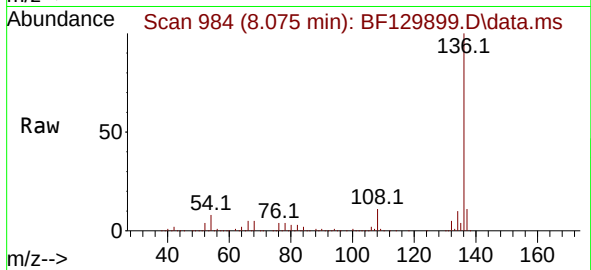




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

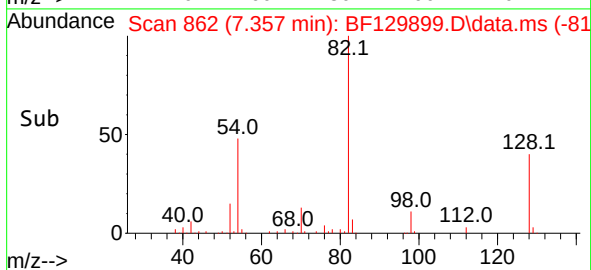
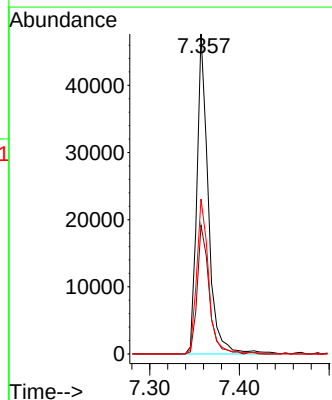
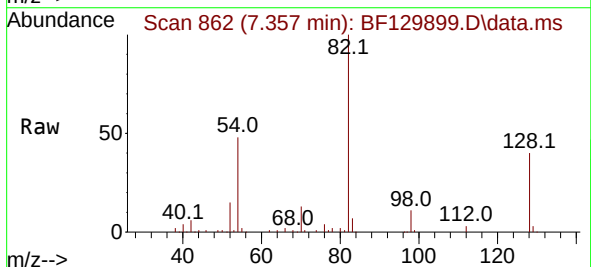
Instrument :
BNA_F
ClientSampleId :
OK-03-081622

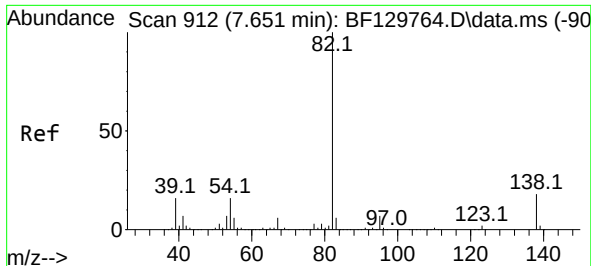
Tgt Ion:	136	Resp:	540163
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.8	6.2	9.2
68	5.2	4.2	6.4



#23
Nitrobenzene-d5
Concen: 4.178 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.012 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion:	82	Resp:	42163
Ion	Ratio	Lower	Upper
82	100		
128	40.2	36.1	54.1
54	48.4	40.0	60.0

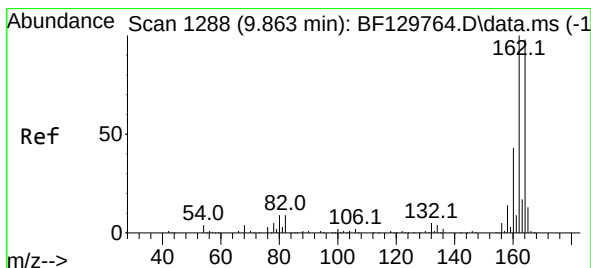
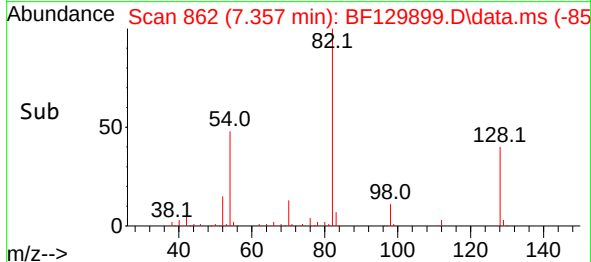
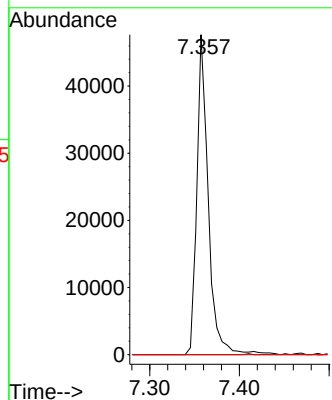
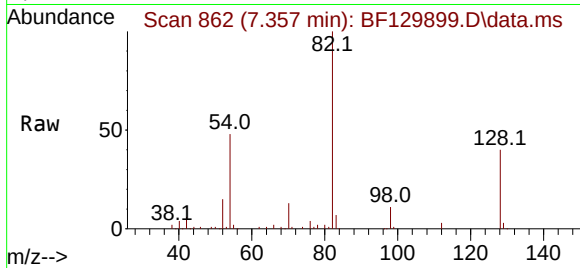




#25
Isophorone
Concen: 2.428 ng
RT: 7.357 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

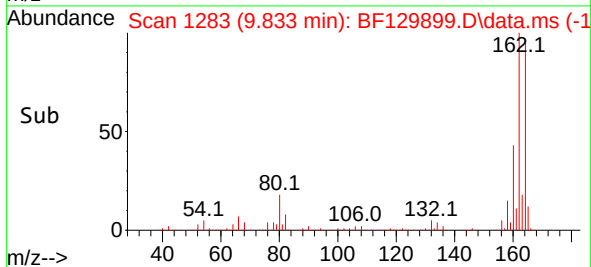
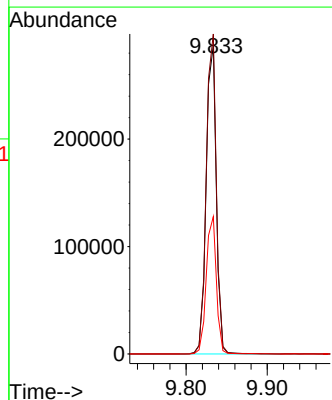
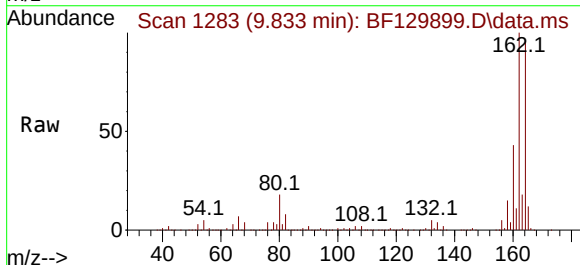
Instrument :
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ClientSampleId :
OK-03-081622

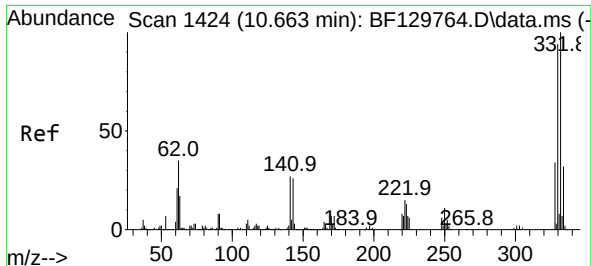
Tgt Ion: 82 Resp: 42163
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion:164 Resp: 247738
Ion Ratio Lower Upper
164 100
162 103.8 82.0 123.0
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 4.857 ng

RT: 10.628 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622

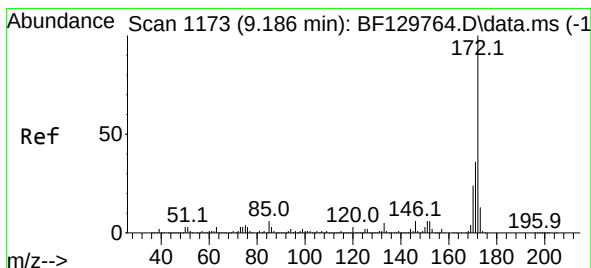
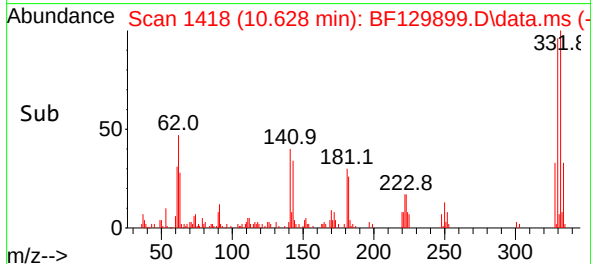
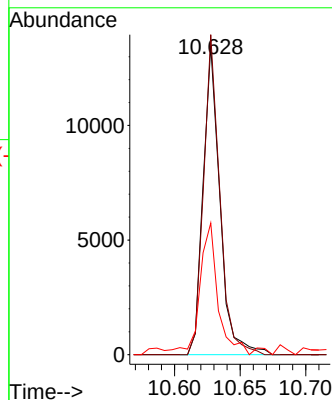
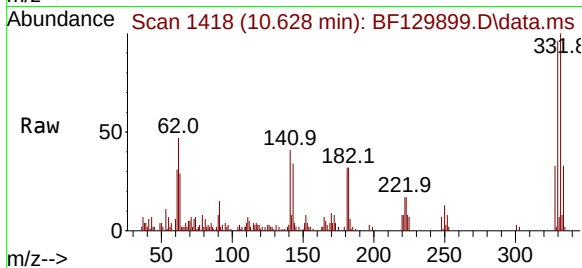
Tgt Ion:330 Resp: 12076

Ion Ratio Lower Upper

330 100

332 99.7 82.6 124.0

141 42.6 27.6 41.4#



#45

2-Fluorobiphenyl

Concen: 4.908 ng

RT: 9.145 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

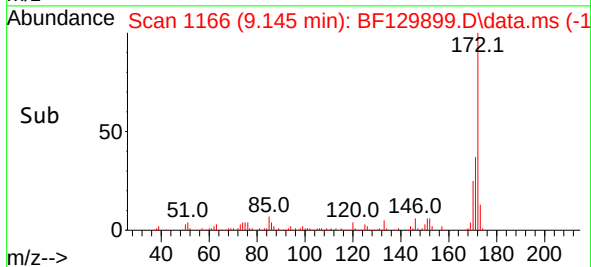
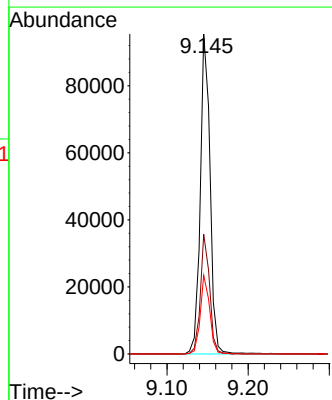
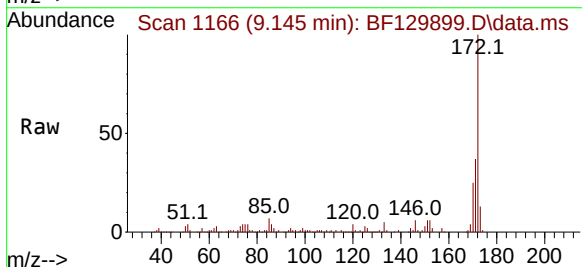
Tgt Ion:172 Resp: 80054

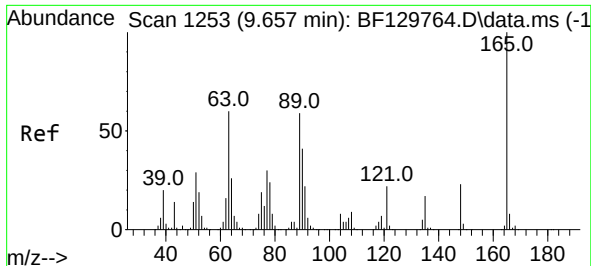
Ion Ratio Lower Upper

172 100

171 37.4 28.4 42.6

170 24.5 19.1 28.7

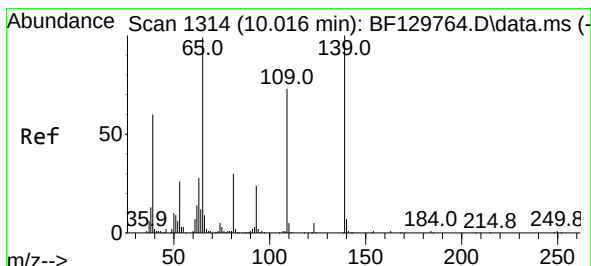
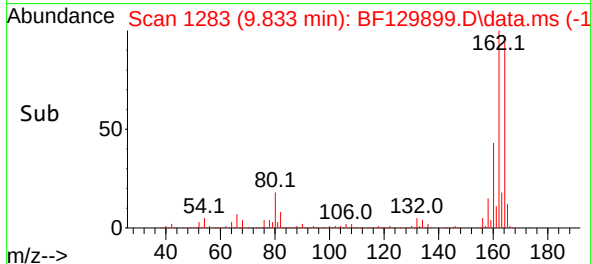
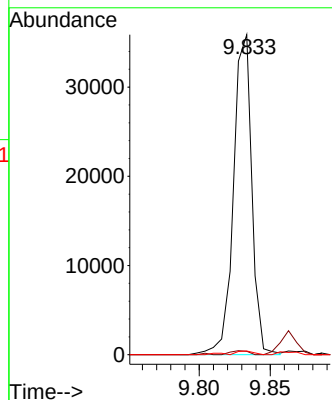
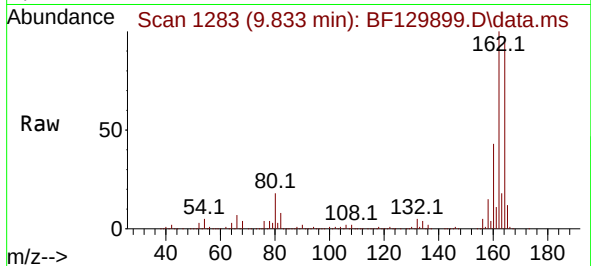




#51
2,6-Dinitrotoluene
Concen: 8.369 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

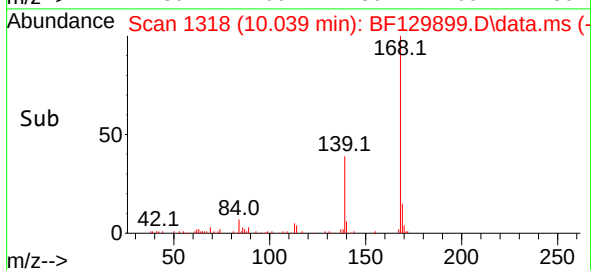
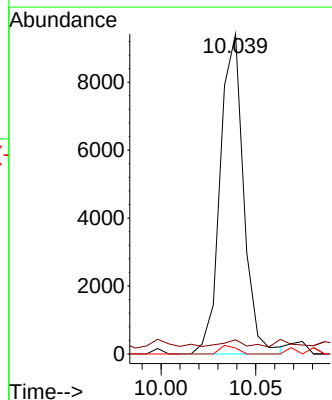
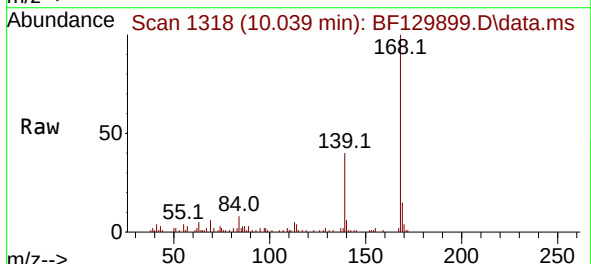
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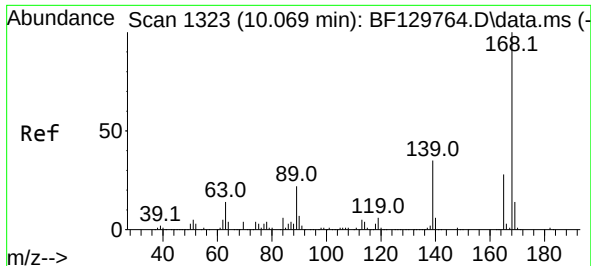
Tgt Ion:165 Resp: 32241
Ion Ratio Lower Upper
165 100
63 1.0 47.8 71.8#
89 1.2 47.2 70.8#



#56
4-Nitrophenol
Concen: 4.278 ng
RT: 10.039 min Scan# 1318
Delta R.T. 0.047 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

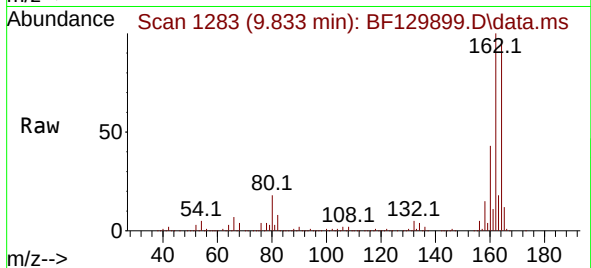
Tgt Ion:139 Resp: 8109
Ion Ratio Lower Upper
139 100
109 4.4 52.9 92.9#
65 1.8 79.5 119.5#



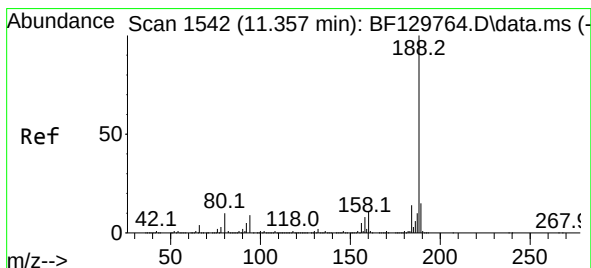
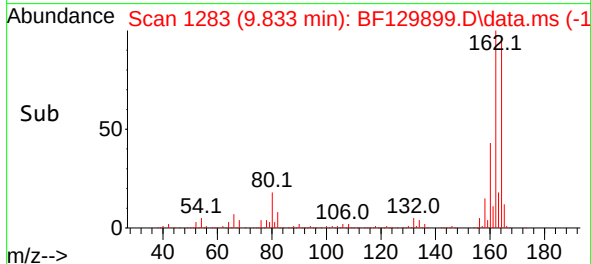
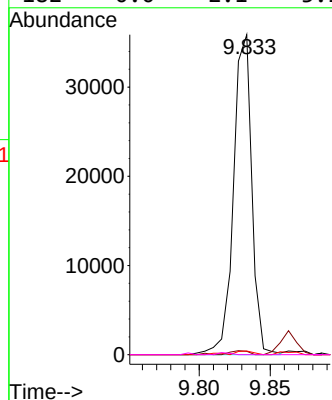


#57
2,4-Dinitrotoluene
Concen: 6.447 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Instrument :
BNA_F
ClientSampleId :
OK-03-081622

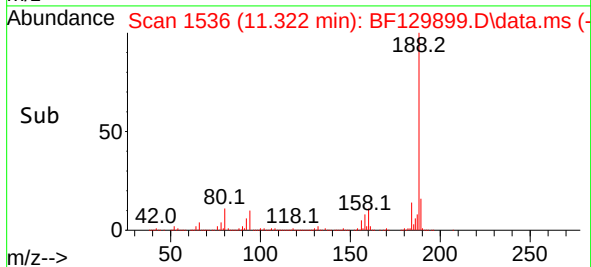
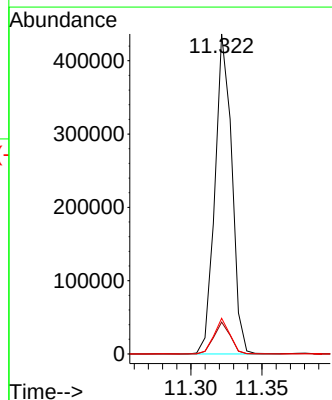
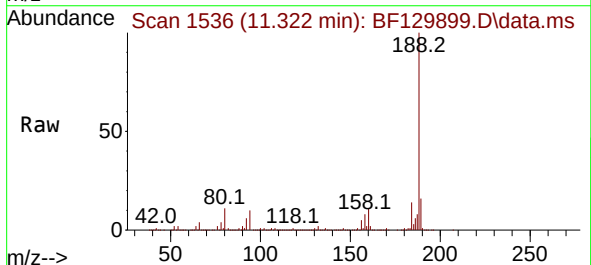


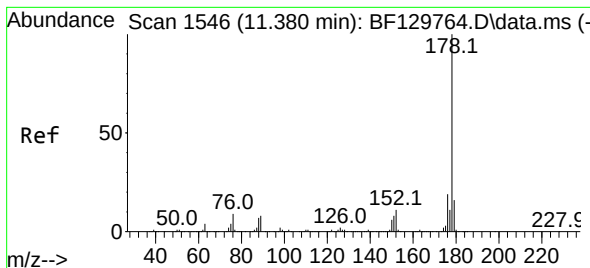
Tgt Ion:165 Resp: 32241
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 1.2 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion:188 Resp: 360306
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 11.2 7.9 11.9





#71

Phenanthrene

Concen: 13.082 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622

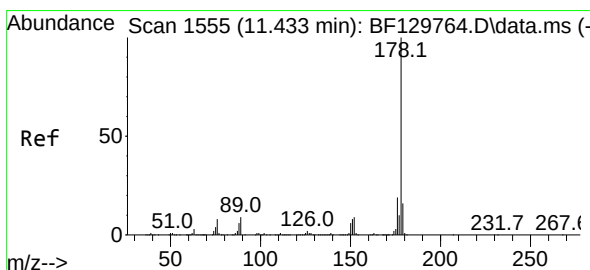
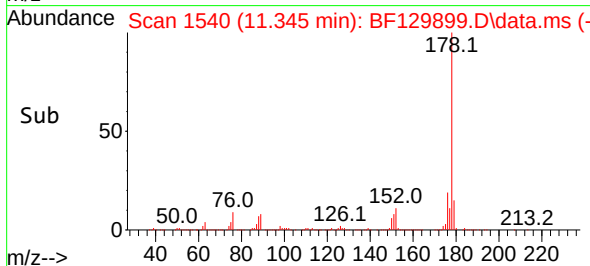
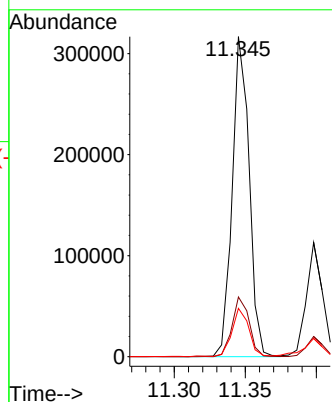
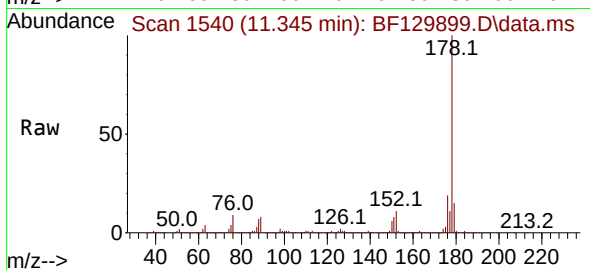
Tgt Ion:178 Resp: 263250

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.1 12.5 18.7



#72

Anthracene

Concen: 4.398 ng

RT: 11.398 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

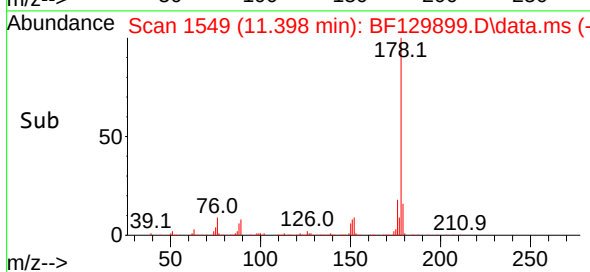
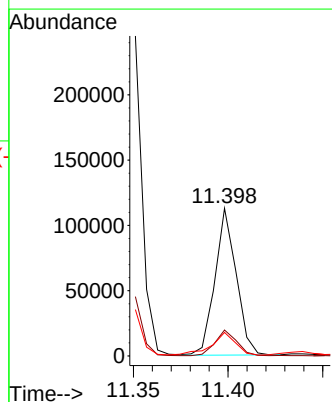
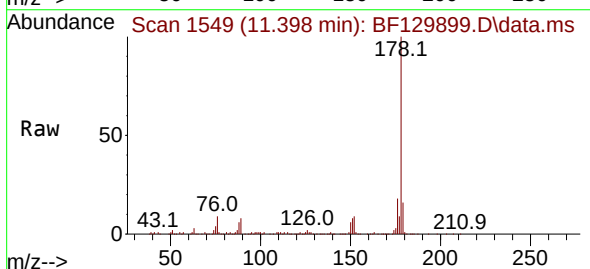
Tgt Ion:178 Resp: 88019

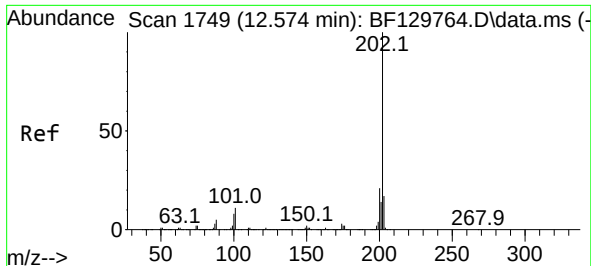
Ion Ratio Lower Upper

178 100

176 17.6 15.1 22.7

179 16.0 12.6 18.8

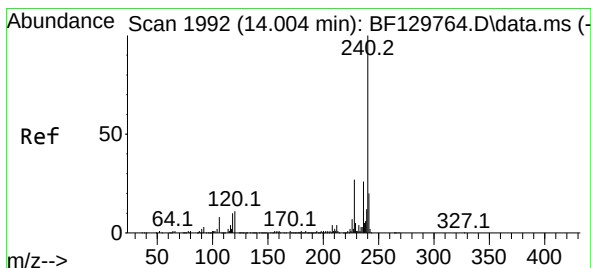
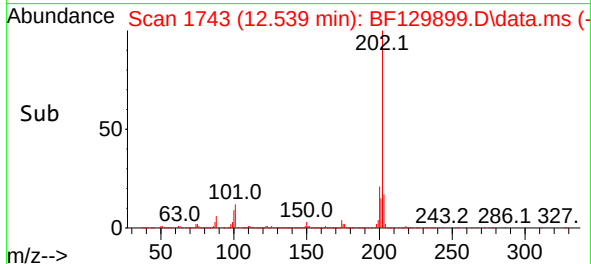
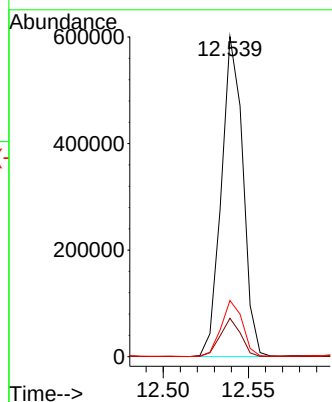
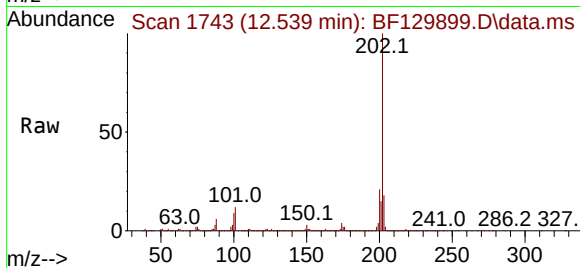




#75
Fluoranthene
Concen: 25.632 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

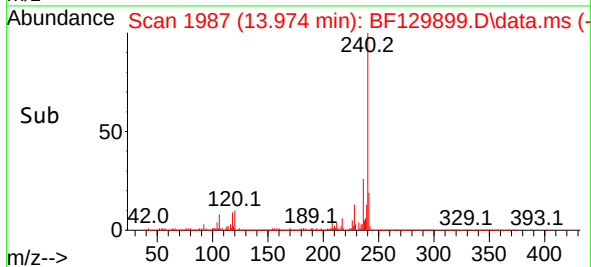
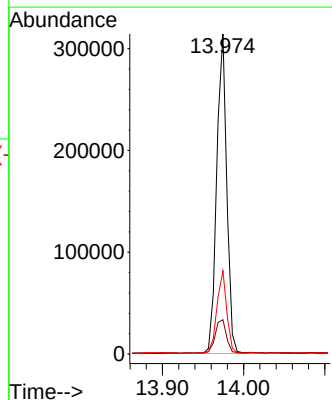
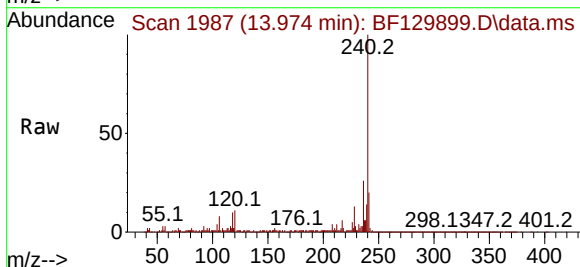
Instrument :
BNA_F
ClientSampleId :
OK-03-081622

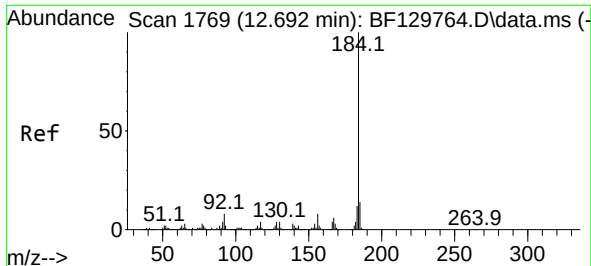
Tgt Ion:202 Resp: 527796
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion:240 Resp: 270133
Ion Ratio Lower Upper
240 100
120 10.7 9.2 13.8
236 26.0 20.7 31.1

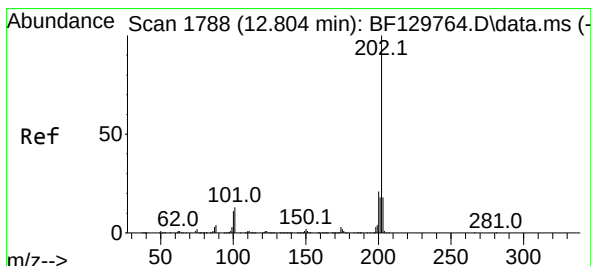
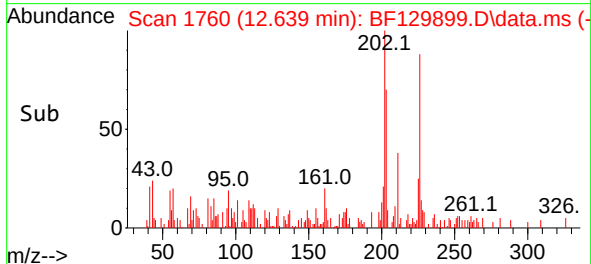
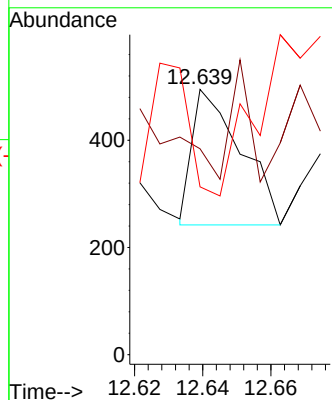
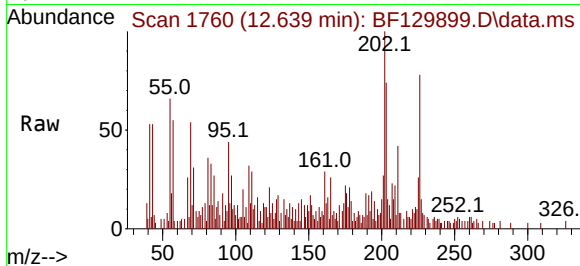




#77
Benzidine
Concen: Below Cal
RT: 12.639 min Scan# 1769
Delta R.T. -0.023 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

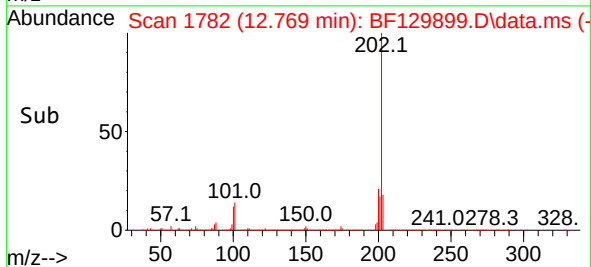
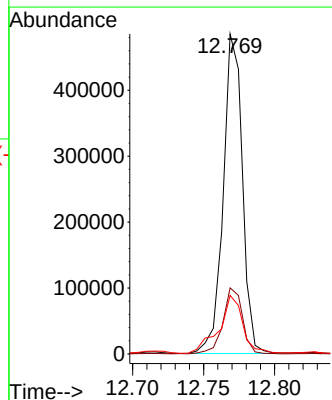
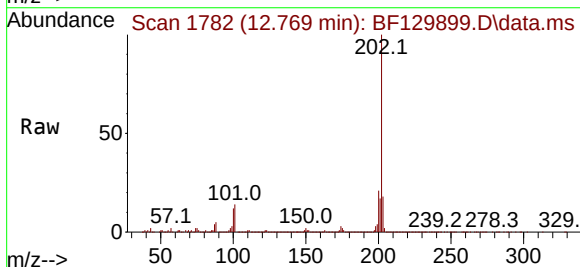
Instrument :
BNA_F
ClientSampleId :
OK-03-081622

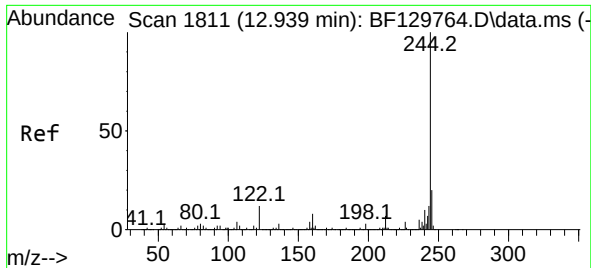
Tgt Ion:184 Resp: 251
Ion Ratio Lower Upper
184 100
185 77.6 11.4 17.2#
183 63.2 9.4 14.2#



#78
Pyrene
Concen: 19.318 ng
RT: 12.769 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BF129899.D
Acq: 19 Aug 2022 03:38

Tgt Ion:202 Resp: 453479
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.3 14.1 21.1

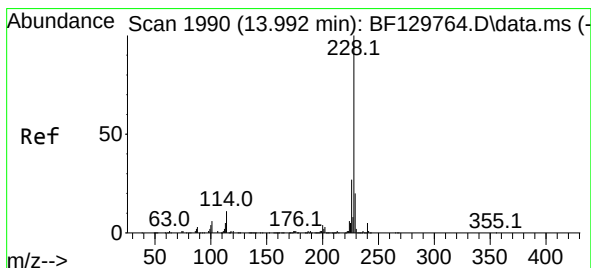
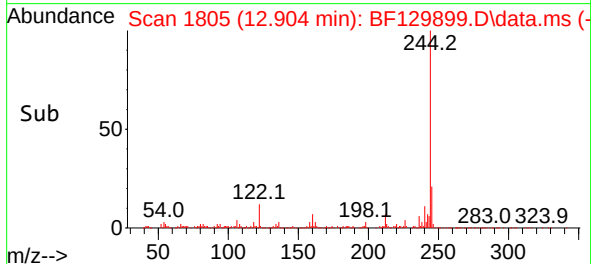
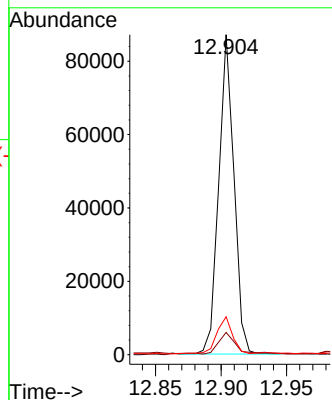
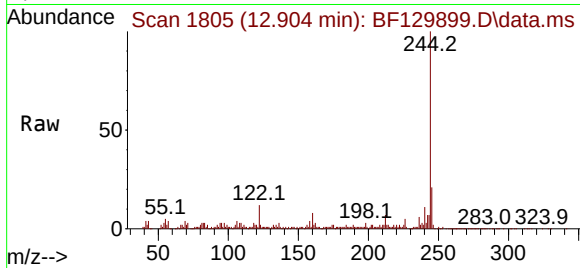




#79
 Terphenyl-d14
 Concen: 4.329 ng
 RT: 12.904 min Scan# 1805
 Delta R.T. -0.006 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38

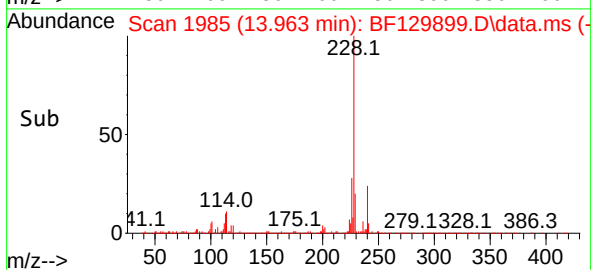
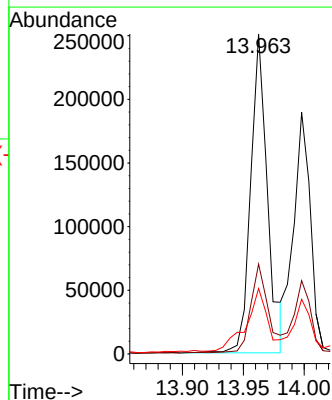
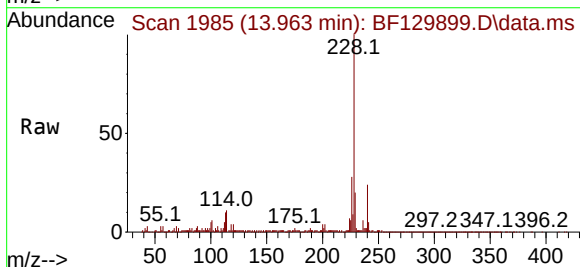
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081622

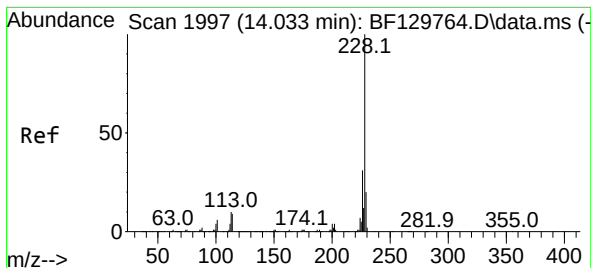
Tgt Ion:244 Resp: 70276
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 11.8 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 12.900 ng
 RT: 13.963 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: BF129899.D
 Acq: 19 Aug 2022 03:38

Tgt Ion:228 Resp: 239709
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 20.5 16.1 24.1





#83

Chrysene

Concen: 10.539 ng

RT: 13.998 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622

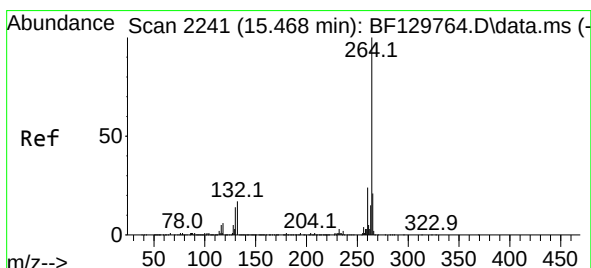
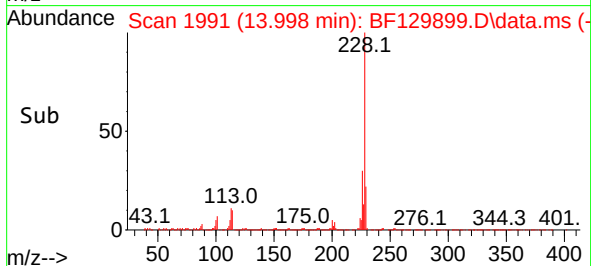
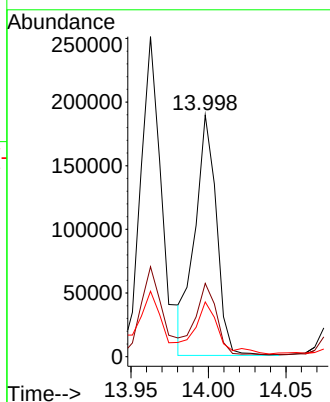
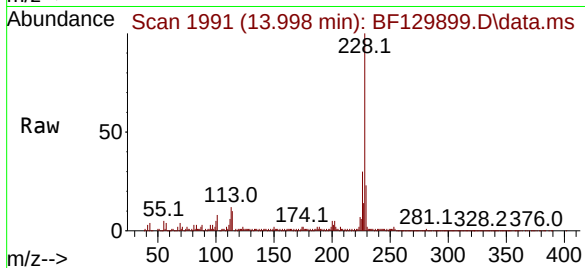
Tgt Ion:228 Resp: 183324

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 22.7 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2236

Delta R.T. 0.012 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

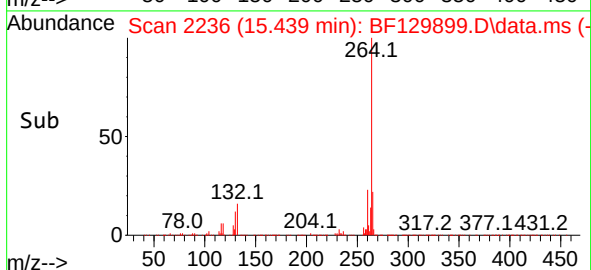
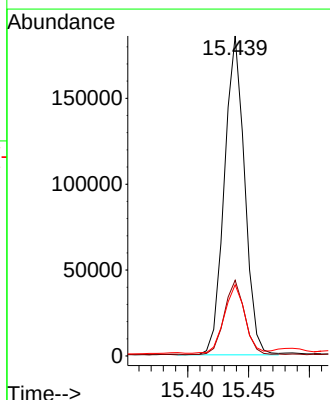
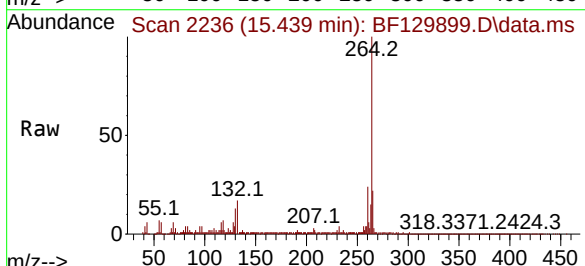
Tgt Ion:264 Resp: 214858

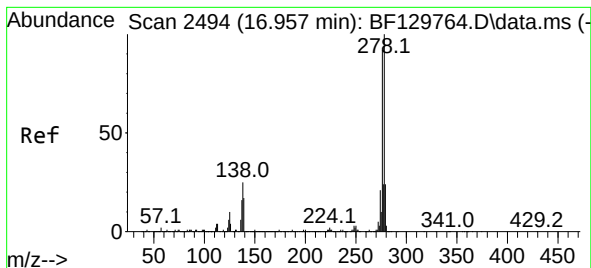
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 22.2 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.379 ng

RT: 16.909 min Scan# 2494

Delta R.T. 0.006 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622

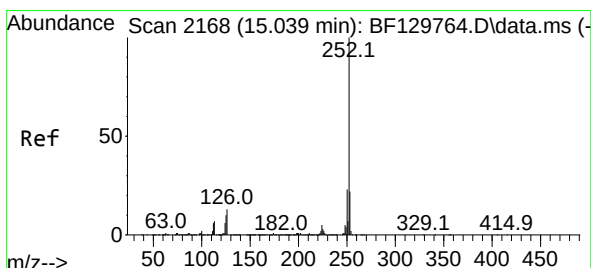
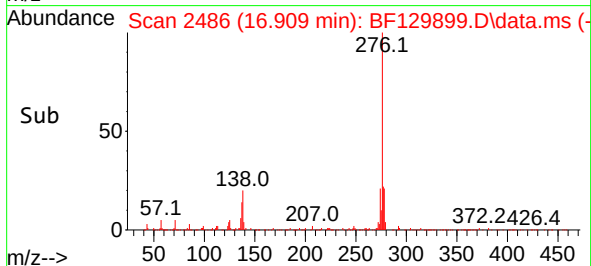
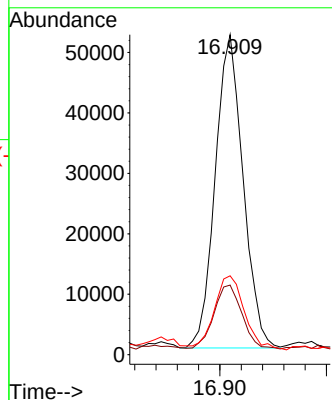
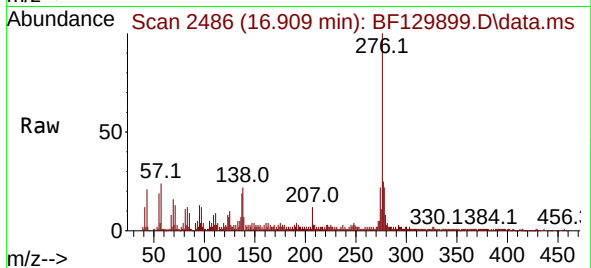
Tgt Ion:276 Resp: 94090

Ion Ratio Lower Upper

276 100

138 21.3 19.8 29.8

277 25.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 22.103 ng

RT: 15.015 min Scan# 2164

Delta R.T. 0.012 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

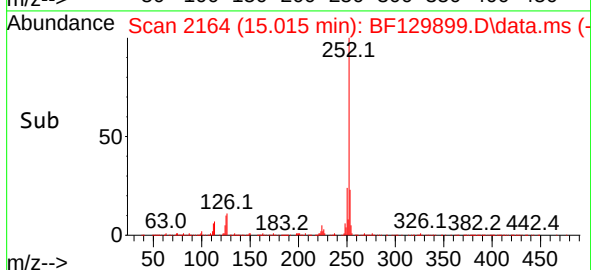
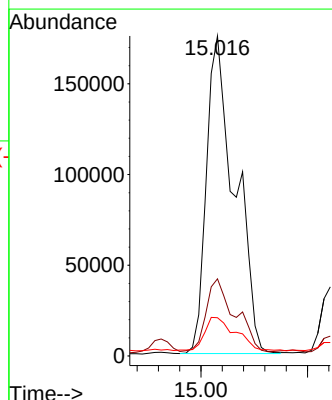
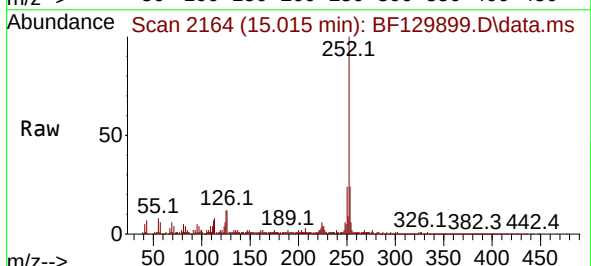
Tgt Ion:252 Resp: 325187

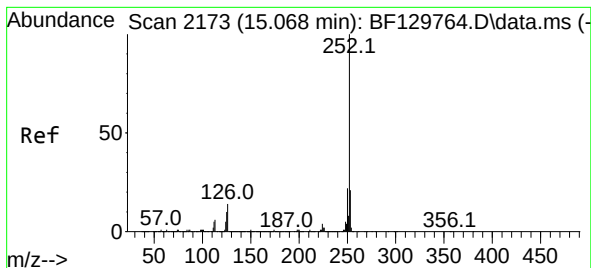
Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 11.9 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 23.048 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622

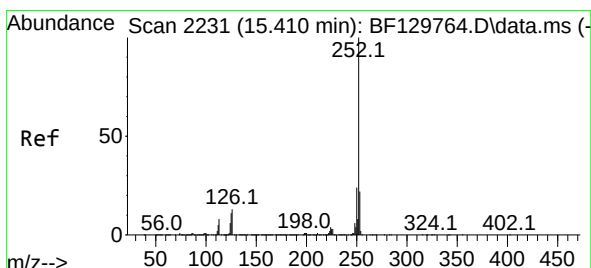
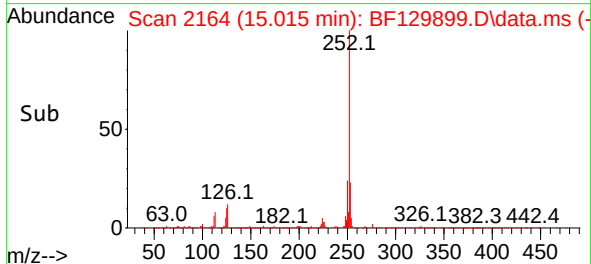
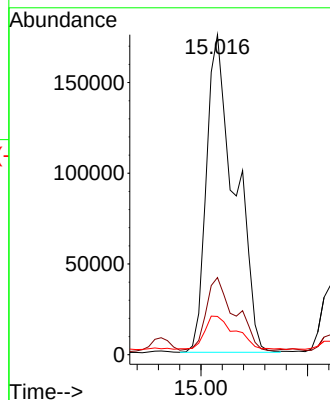
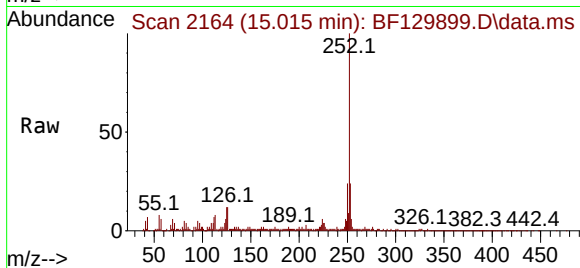
Tgt Ion:252 Resp: 325187

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 11.9 8.3 12.5



#90

Benzo(a)pyrene

Concen: 14.982 ng

RT: 15.380 min Scan# 2226

Delta R.T. 0.012 min

Lab File: BF129899.D

Acq: 19 Aug 2022 03:38

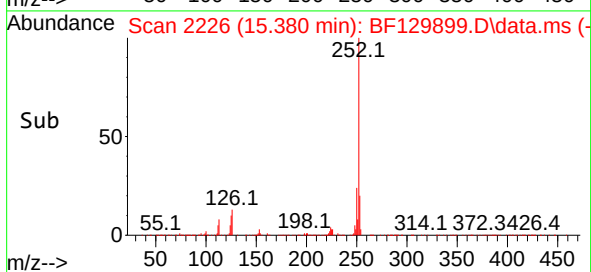
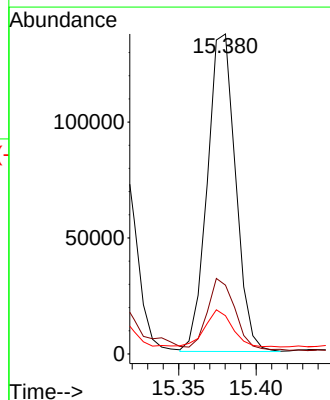
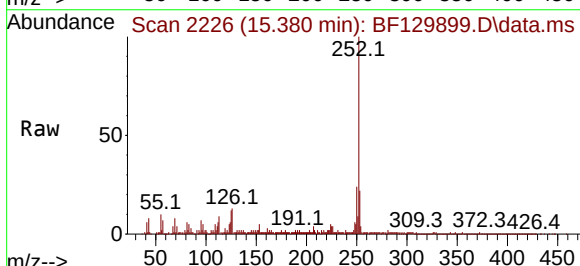
Tgt Ion:252 Resp: 173584

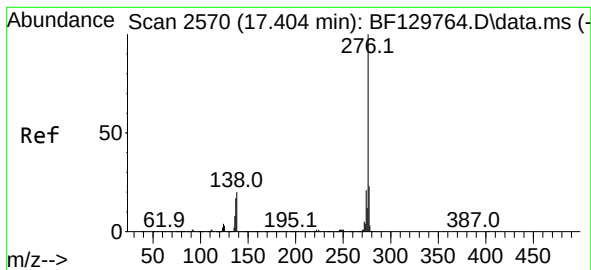
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.9 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 7.023 ng

RT: 17.357 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129899.D

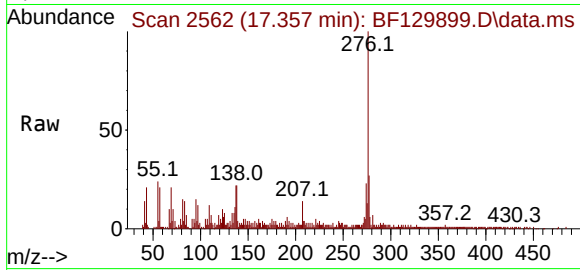
Acq: 19 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

OK-03-081622



Tgt Ion:276 Resp: 85276

Ion Ratio Lower Upper

276 100

277 26.7 18.2 27.4

138 22.4 15.8 23.8

