

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129525.D
 Acq On : 03 Aug 2022 00:52
 Operator : CG\JU
 Sample : N3976-05DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0729DL

Quant Time: Aug 03 01:48:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

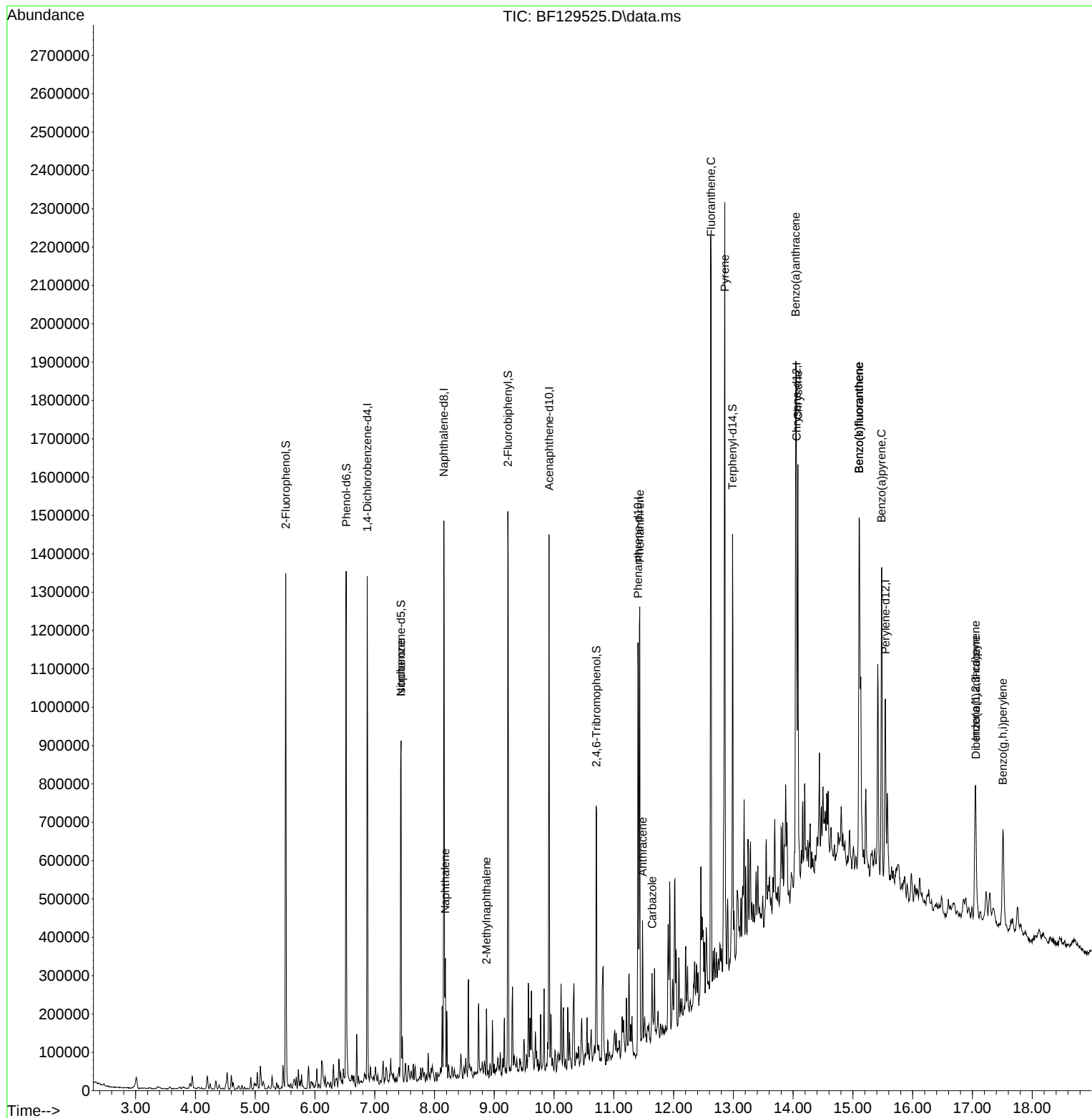
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	159897	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	577157	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	256232	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	387765	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	259775	20.000	ng	0.00
86) Perylene-d12	15.545	264	211412	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.511	112	338400	34.476	ng	0.00
7) Phenol-d6	6.522	99	429032	34.774	ng	0.00
23) Nitrobenzene-d5	7.440	82	264655	25.032	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	71050	28.841	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	431061	26.024	ng	0.00
79) Terphenyl-d14	12.987	244	340655	24.740	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.440	82	264655	13.965	ng	# 66
31) Naphthalene	8.181	128	104715	3.571	ng	99
37) 2-Methylnaphthalene	8.869	142	41373	2.171	ng	100
71) Phenanthrene	11.434	178	438915	20.736	ng	98
72) Anthracene	11.481	178	119146	5.728	ng	98
73) Carbazole	11.640	167	55130	2.815	ng	99
75) Fluoranthene	12.628	202	792242	36.939	ng	99
78) Pyrene	12.857	202	740318	34.080	ng	98
81) Benzo(a)anthracene	14.045	228	438322	24.701	ng	95
83) Chrysene	14.081	228	415882	24.867	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	242488	17.033	ng	93
88) Benzo(b)fluoranthene	15.104	252	709637	50.603	ng	# 98
89) Benzo(k)fluoranthene	15.104	252	709637	51.637	ng	98
90) Benzo(a)pyrene	15.481	252	372867	32.754	ng	94
91) Dibenzo(a,h)anthracene	17.057	278	63208	5.455	ng	# 87
92) Benzo(g,h,i)perylene	17.510	276	224325	18.946	ng	98

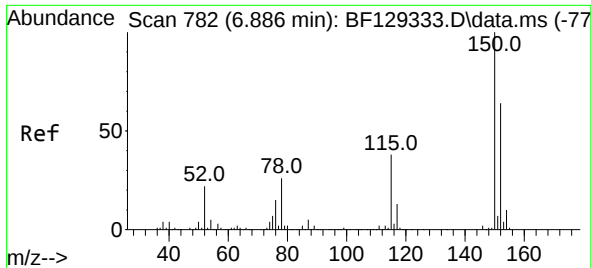
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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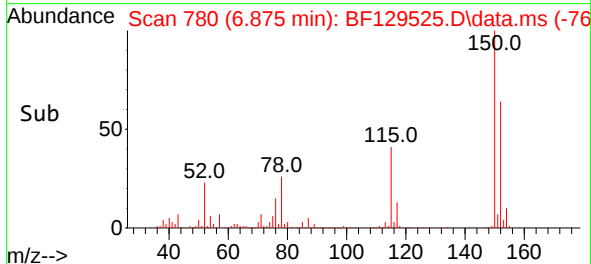
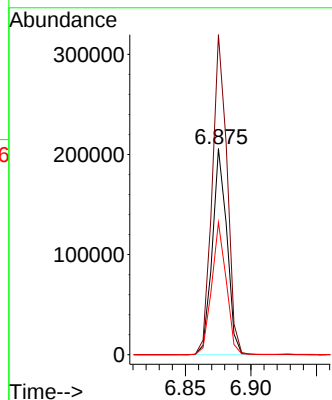
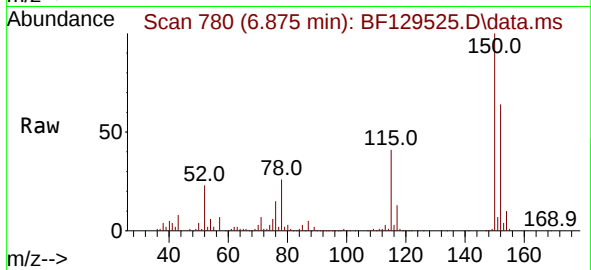




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

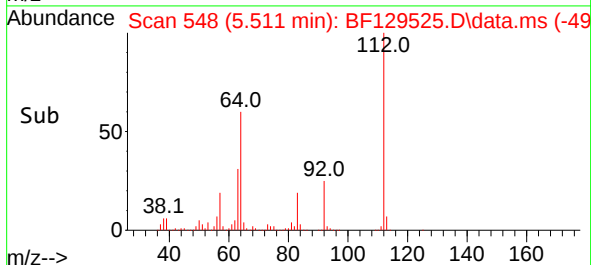
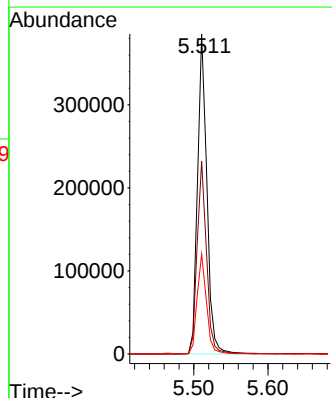
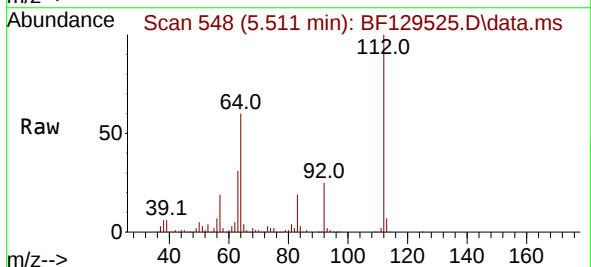
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

Tgt Ion:152 Resp: 159897
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 64.2 49.9 74.9



#5
2-Fluorophenol
Concen: 34.476 ng
RT: 5.511 min Scan# 548
Delta R.T. 0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:112 Resp: 338400
Ion Ratio Lower Upper
112 100
64 60.2 53.3 79.9
63 31.2 28.0 42.0

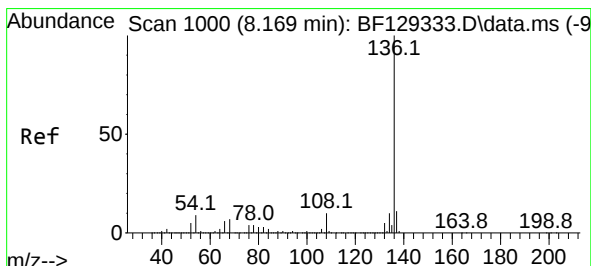
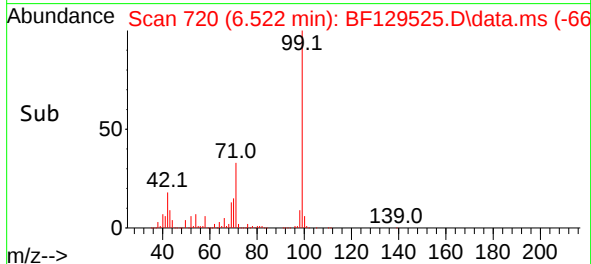
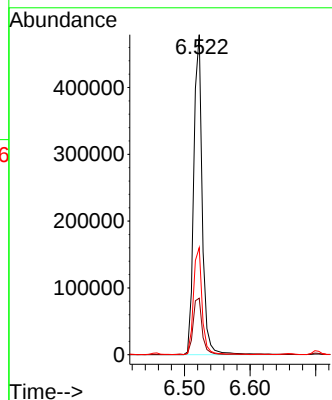
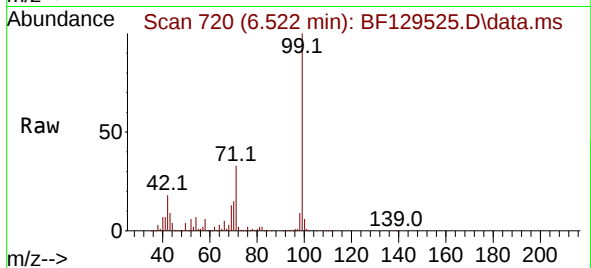




#7
Phenol-d6
Concen: 34.774 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

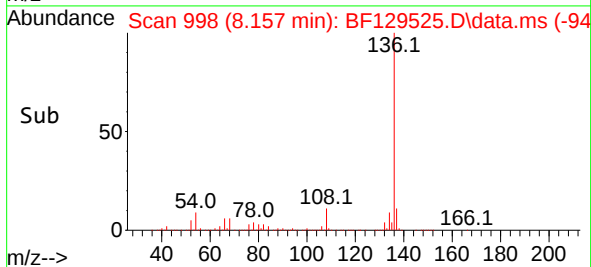
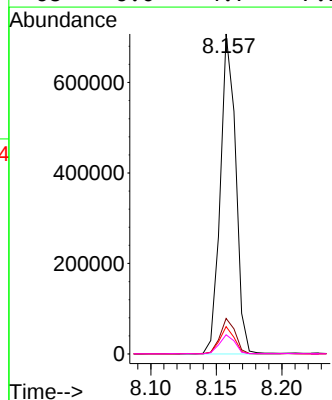
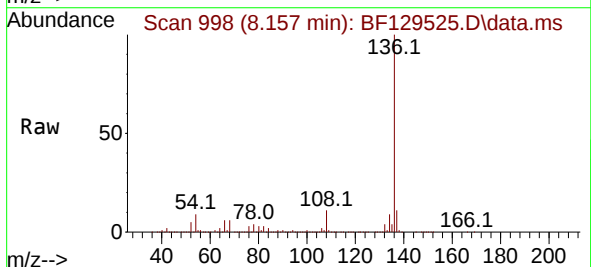
Instrument :
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ClientSampleId :
TP3-0729DL

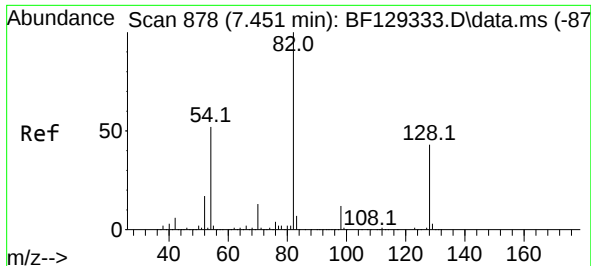
Tgt Ion: 99 Resp: 429032
Ion Ratio Lower Upper
99 100
42 17.7 17.3 25.9
71 33.4 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion: 136 Resp: 577157
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.6 7.5 11.3
68 6.0 4.7 7.1

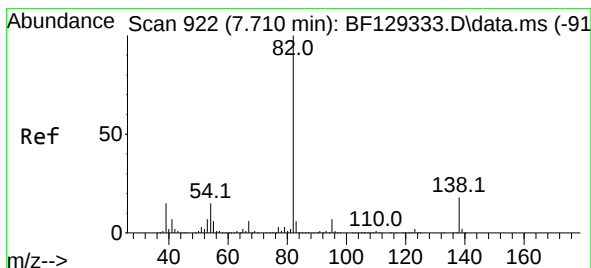
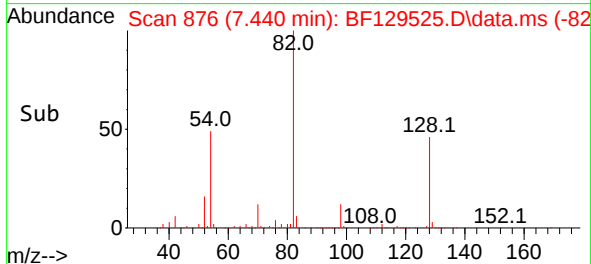
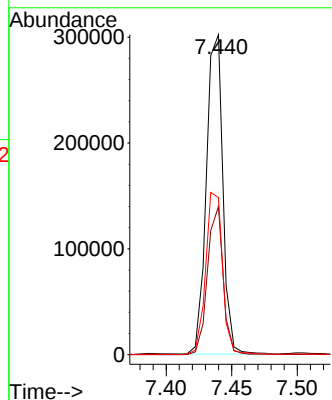
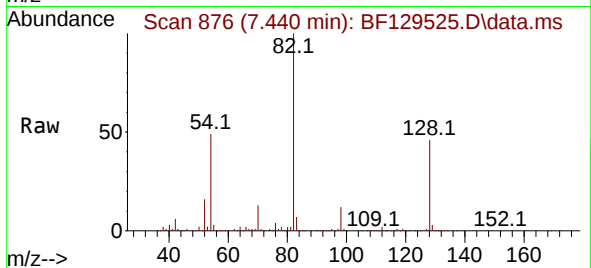




#23
Nitrobenzene-d5
Concen: 25.032 ng
RT: 7.440 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

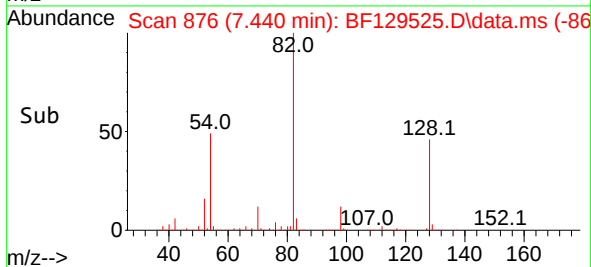
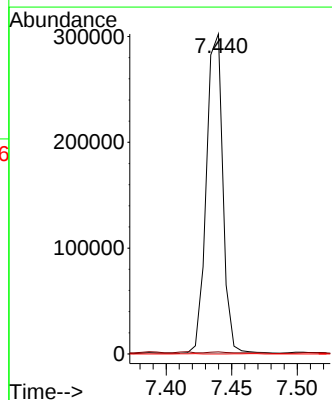
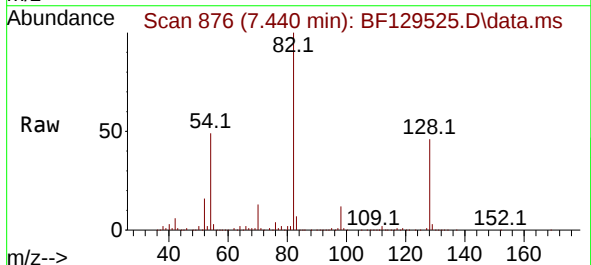
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

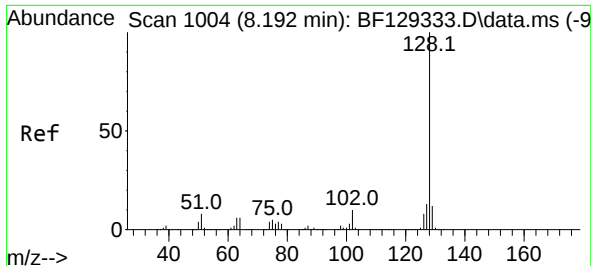
Tgt Ion: 82 Resp: 264655
Ion Ratio Lower Upper
82 100
128 46.3 34.0 51.0
54 49.2 46.9 70.3



#25
Isophorone
Concen: 13.965 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.258 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion: 82 Resp: 264655
Ion Ratio Lower Upper
82 100
95 0.6 5.7 8.5#
138 0.0 14.2 21.2#

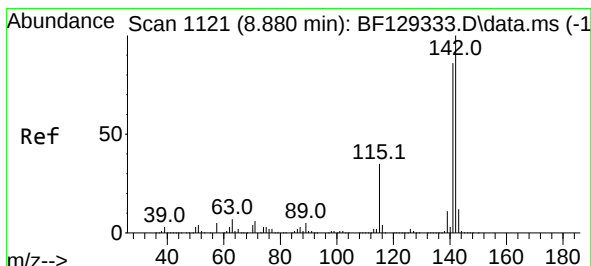
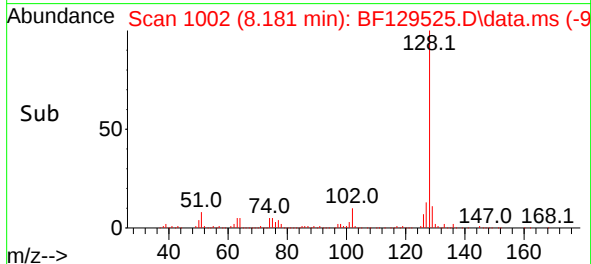
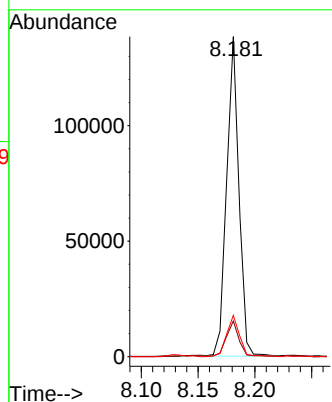
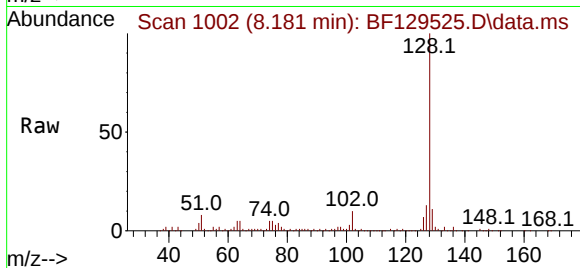




#31
Naphthalene
Concen: 3.571 ng
RT: 8.181 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

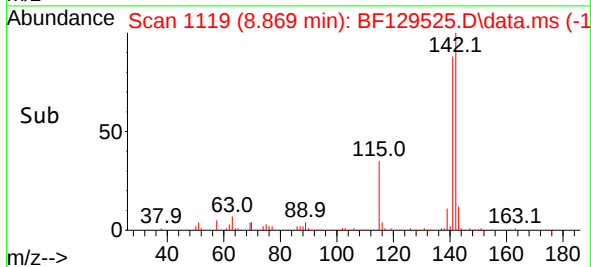
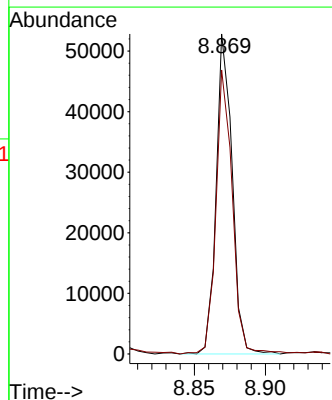
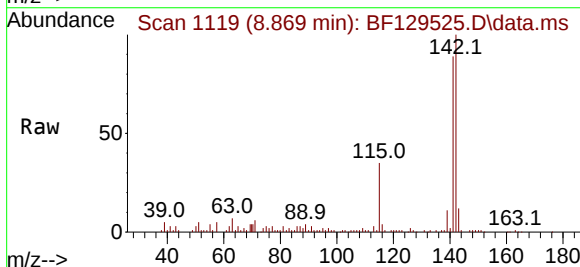
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

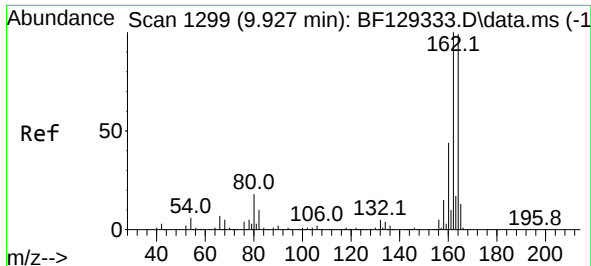
Tgt Ion:128 Resp: 104715
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 12.9 10.5 15.7



#37
2-Methylnaphthalene
Concen: 2.171 ng
RT: 8.869 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:142 Resp: 41373
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.4

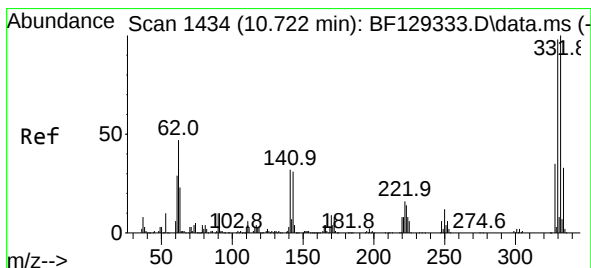
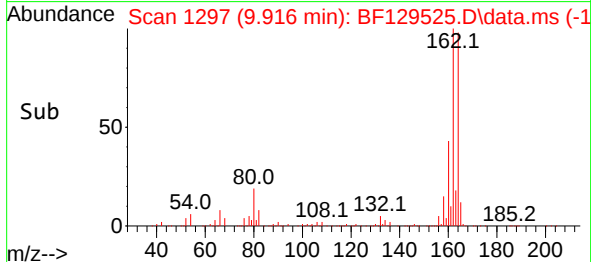
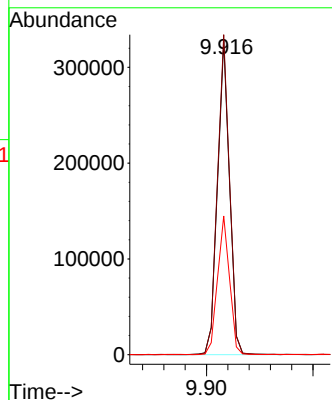
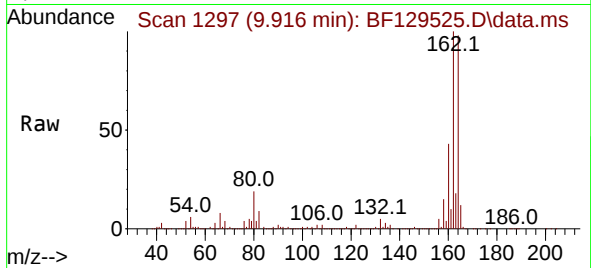




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

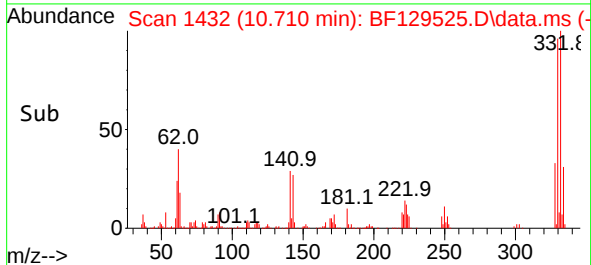
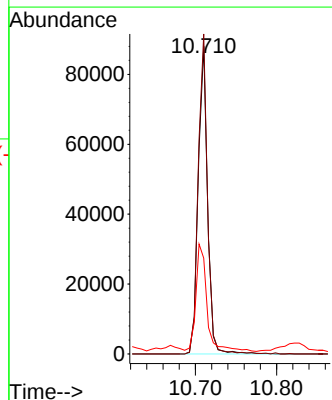
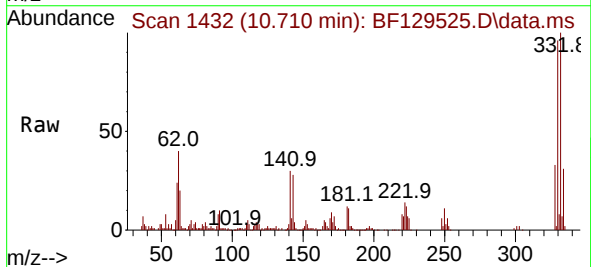
Instrument :
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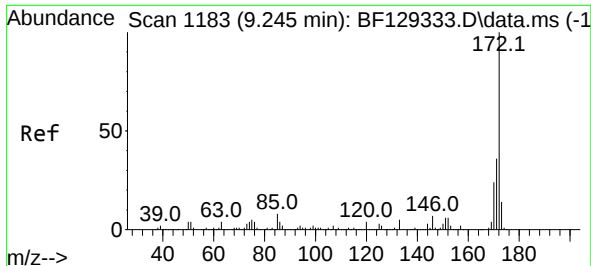
Tgt Ion:164 Resp: 256232
Ion Ratio Lower Upper
164 100
162 102.0 79.5 119.3
160 44.2 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 28.841 ng
RT: 10.710 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:330 Resp: 71050
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 41.0 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 26.024 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

TP3-0729DL

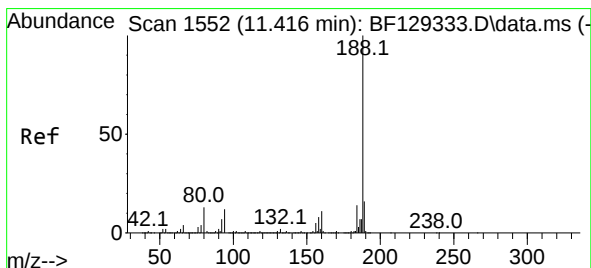
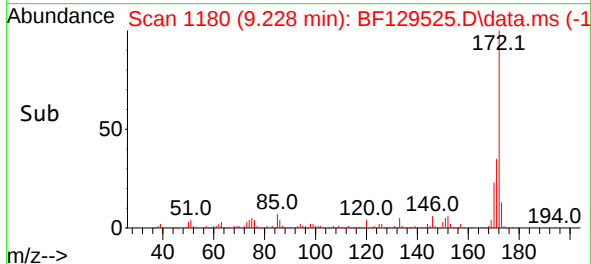
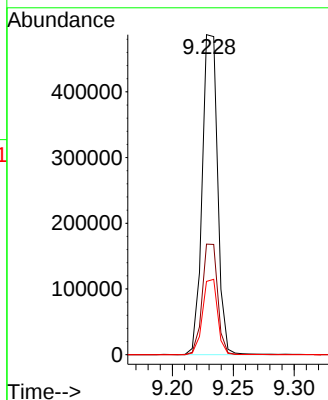
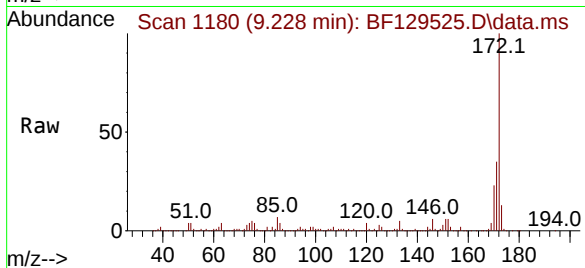
Tgt Ion:172 Resp: 431061

Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 22.9 19.8 29.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

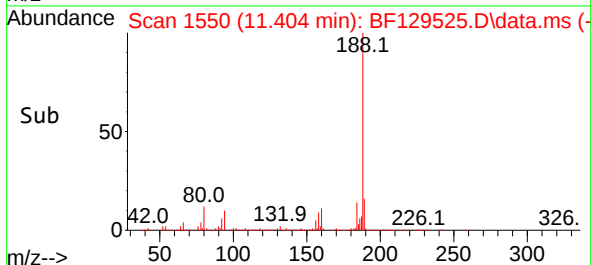
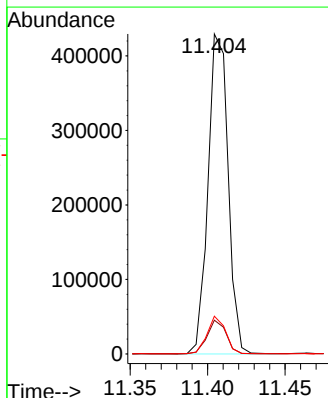
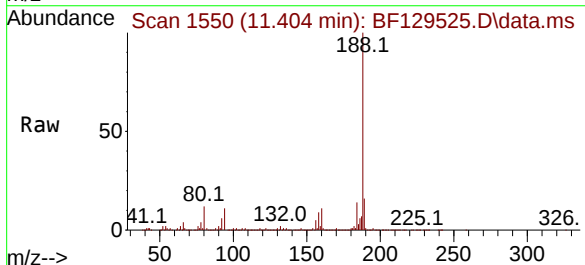
Tgt Ion:188 Resp: 387765

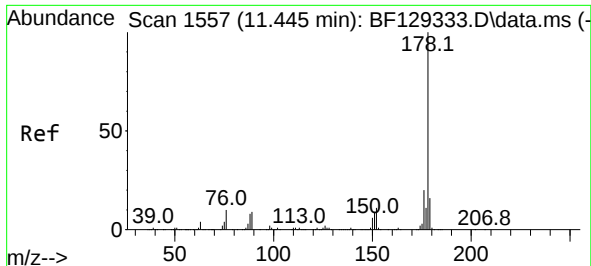
Ion Ratio Lower Upper

188 100

94 10.6 7.0 10.6#

80 11.8 7.6 11.4#

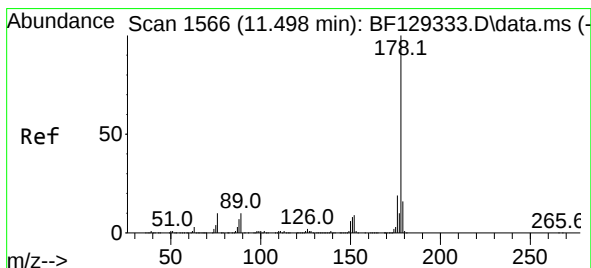
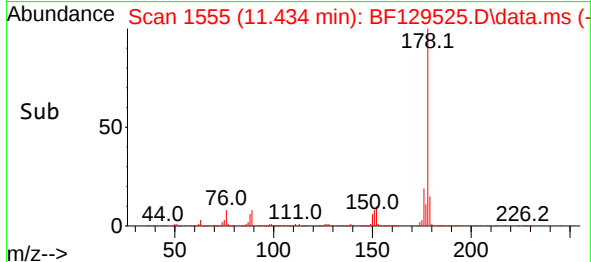
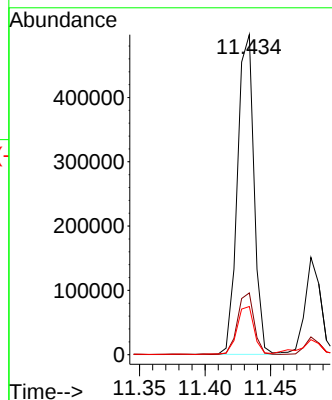
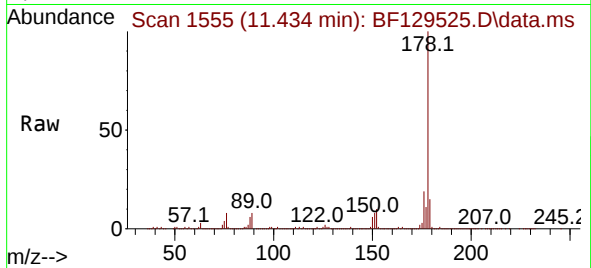




#71
Phenanthrene
Concen: 20.736 ng
RT: 11.434 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

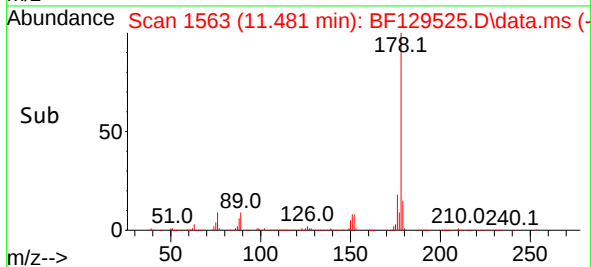
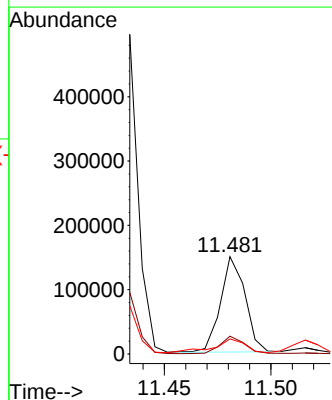
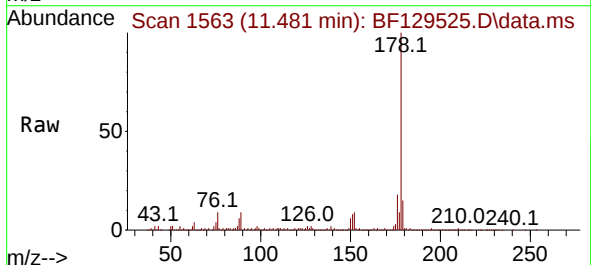
Instrument :
BNA_F
ClientSampleId :
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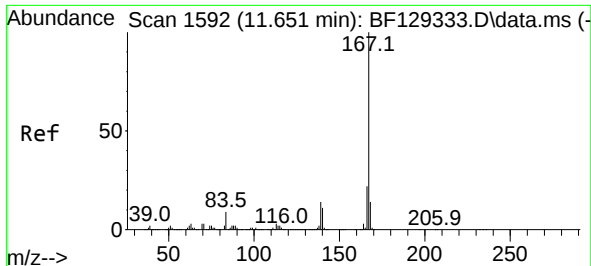
Tgt Ion:178 Resp: 438915
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.1 12.6 19.0



#72
Anthracene
Concen: 5.728 ng
RT: 11.481 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:178 Resp: 119146
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.4 12.6 19.0

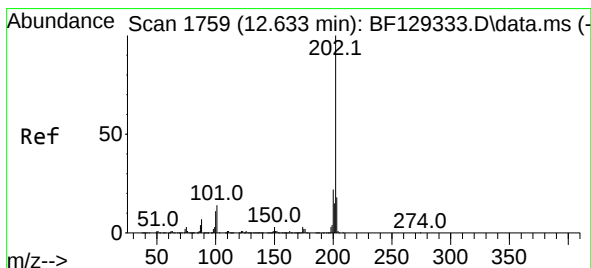
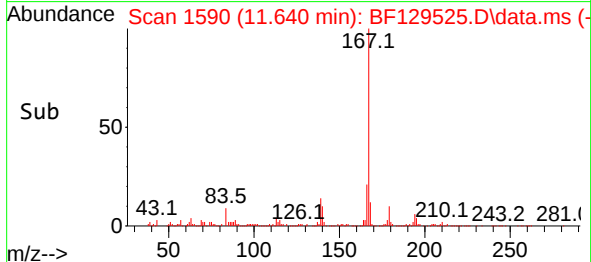
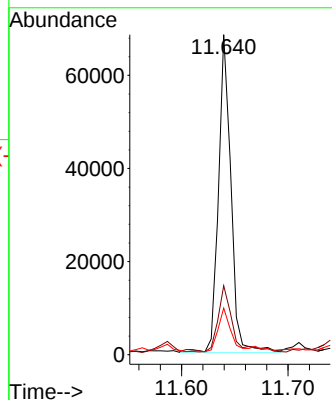
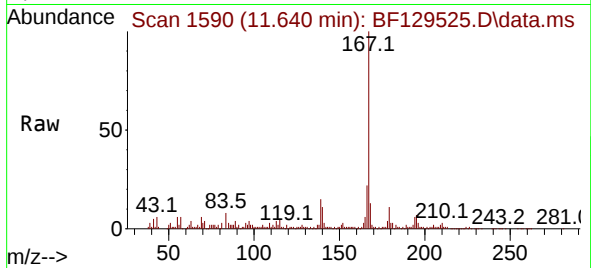




#73
 Carbazole
 Concen: 2.815 ng
 RT: 11.640 min Scan# 1592
 Delta R.T. 0.000 min
 Lab File: BF129525.D
 Acq: 03 Aug 2022 00:52

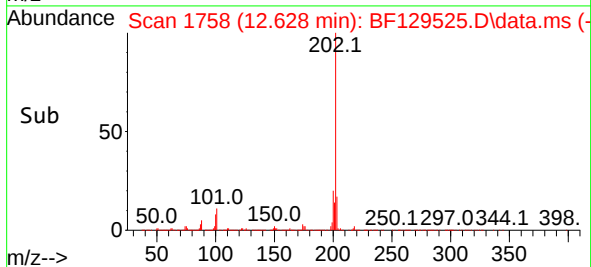
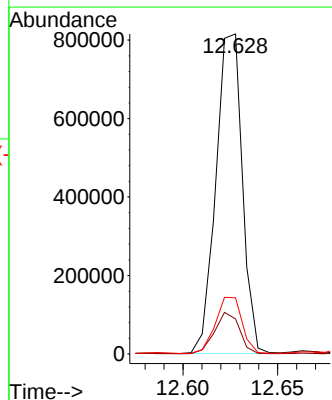
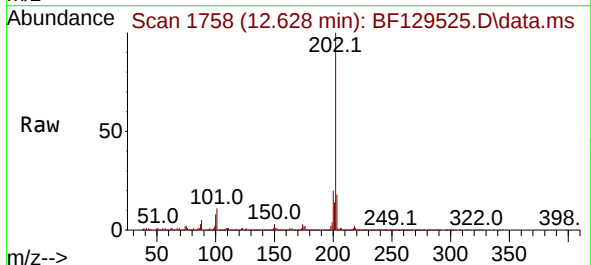
Instrument :
 BNA_F
 ClientSampleId :
 TP3-0729DL

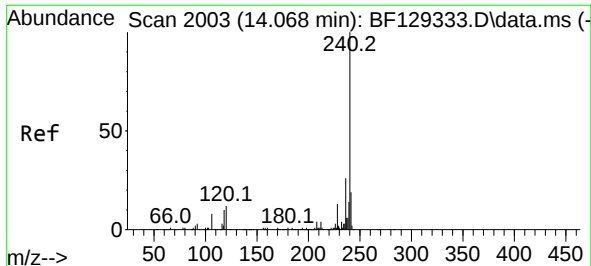
Tgt Ion:167 Resp: 55130
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.7 26.5
 139 14.5 11.2 16.8



#75
 Fluoranthene
 Concen: 36.939 ng
 RT: 12.628 min Scan# 1758
 Delta R.T. 0.006 min
 Lab File: BF129525.D
 Acq: 03 Aug 2022 00:52

Tgt Ion:202 Resp: 792242
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.4
 203 17.5 0.0 38.0

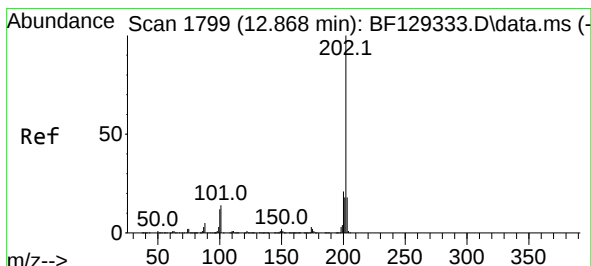
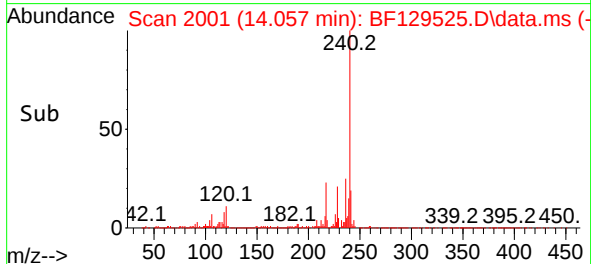
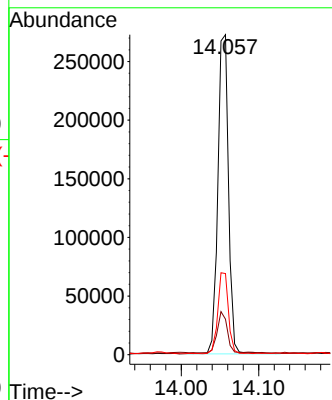
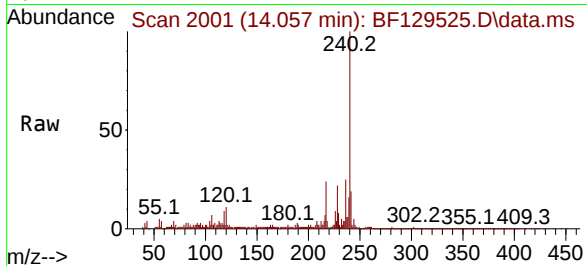




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

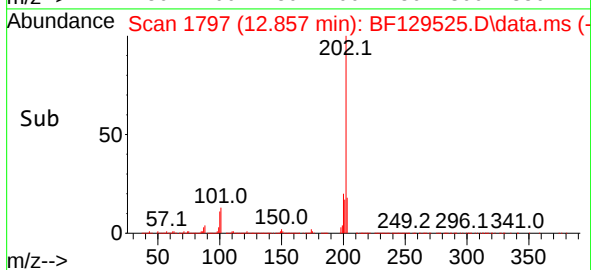
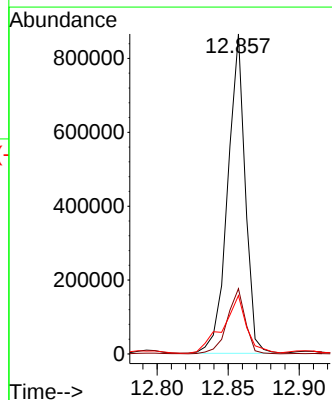
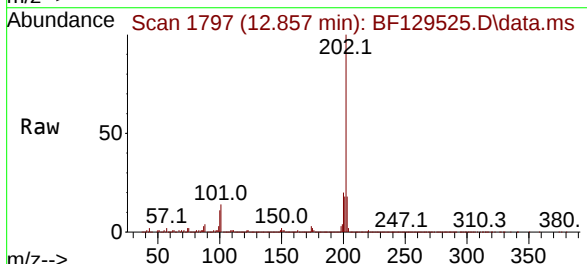
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

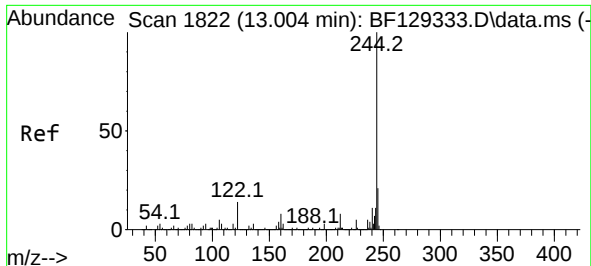
Tgt Ion:240 Resp: 259775
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.3 20.8 31.2



#78
Pyrene
Concen: 34.080 ng
RT: 12.857 min Scan# 1797
Delta R.T. 0.006 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:202 Resp: 740318
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 18.3 14.6 21.8

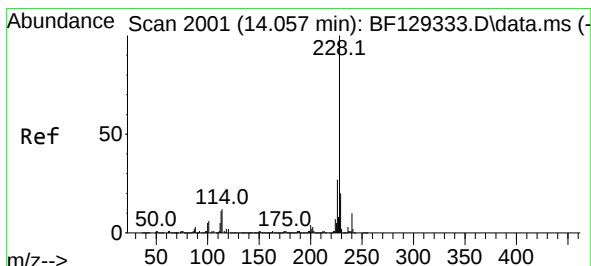
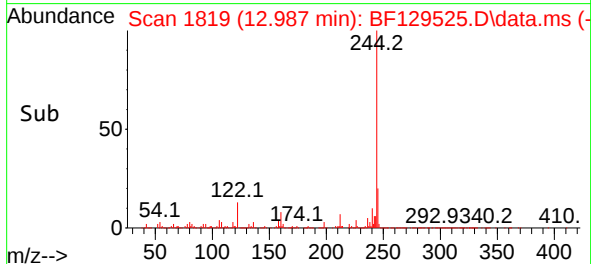
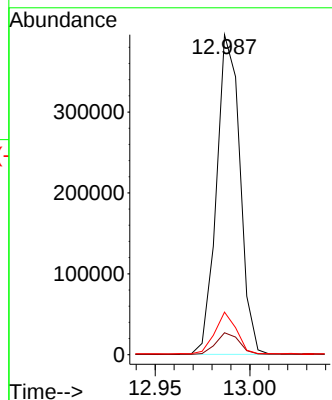
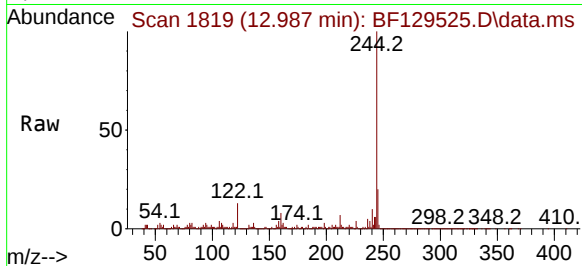




#79
 Terphenyl-d14
 Concen: 24.740 ng
 RT: 12.987 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129525.D
 Acq: 03 Aug 2022 00:52

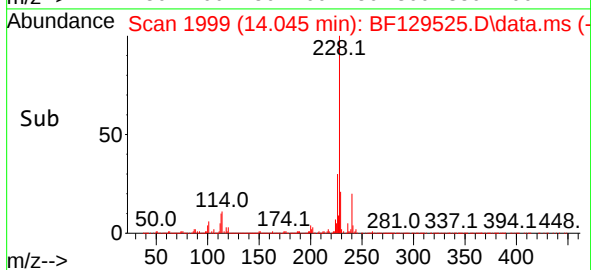
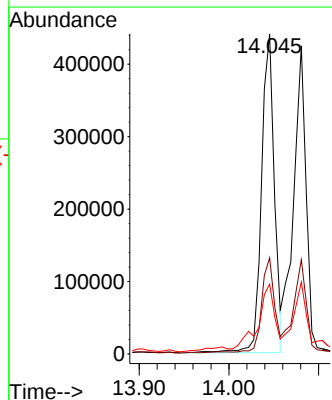
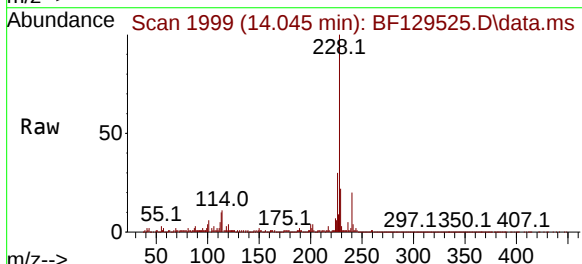
Instrument :
 BNA_F
 ClientSampleId :
 TP3-0729DL

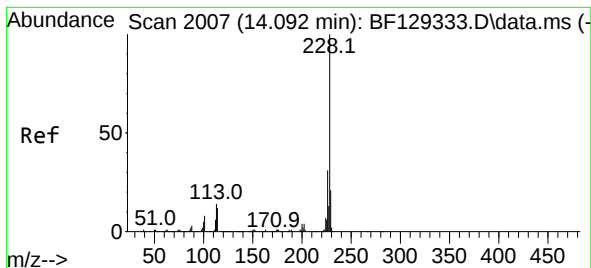
Tgt Ion:244 Resp: 340655
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 13.3 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 24.701 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: BF129525.D
 Acq: 03 Aug 2022 00:52

Tgt Ion:228 Resp: 438322
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.1 33.1
 229 21.8 15.8 23.8





#83

Chrysene

Concen: 24.867 ng

RT: 14.081 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

TP3-0729DL

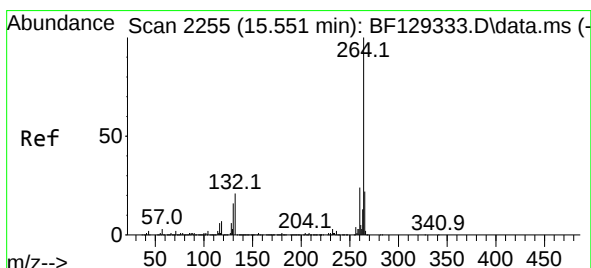
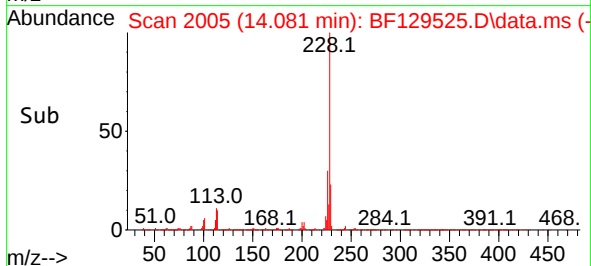
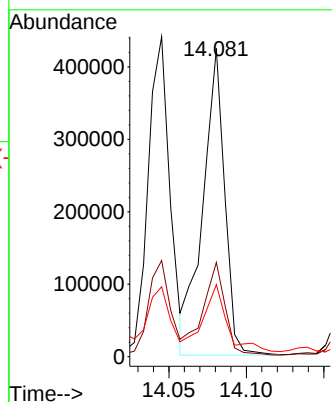
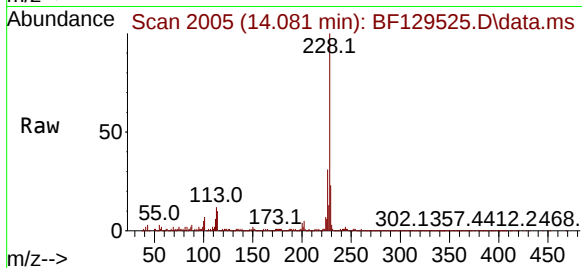
Tgt Ion:228 Resp: 415882

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 23.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2254

Delta R.T. 0.018 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

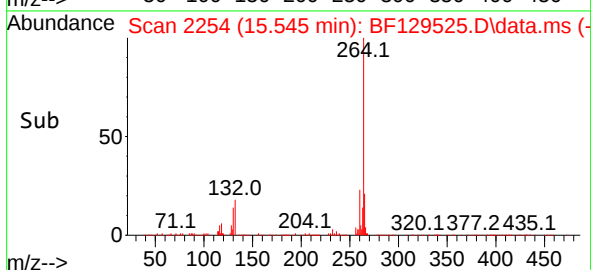
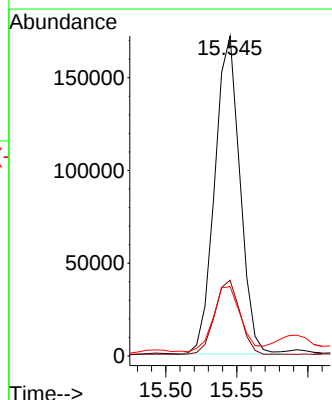
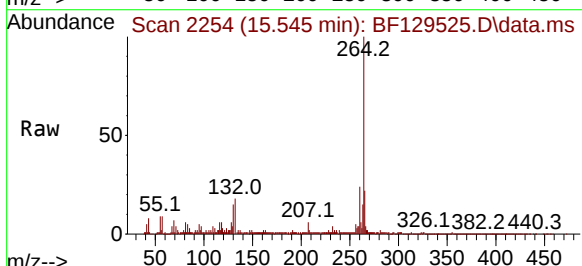
Tgt Ion:264 Resp: 211412

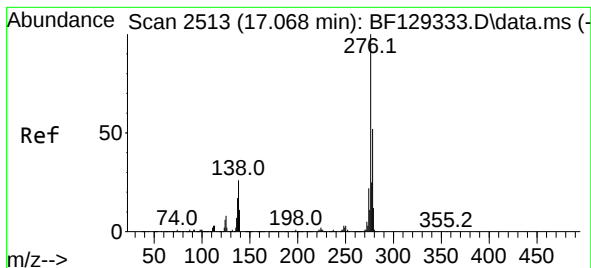
Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.033 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

Instrument :

BNA_F

ClientSampleId :

TP3-0729DL

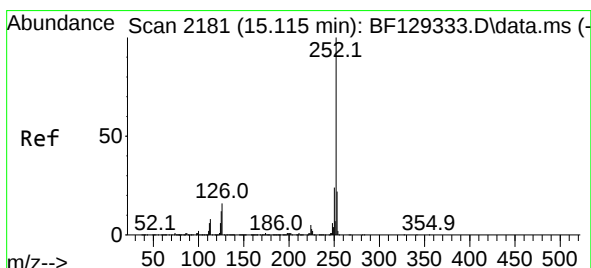
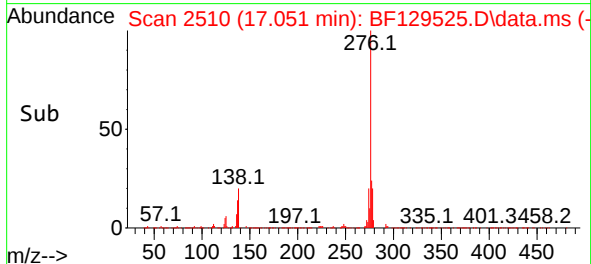
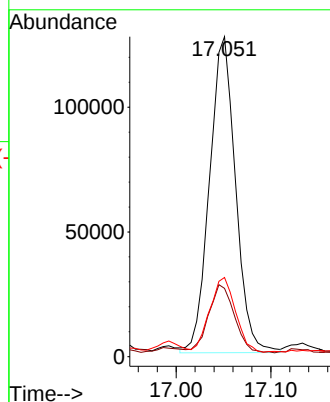
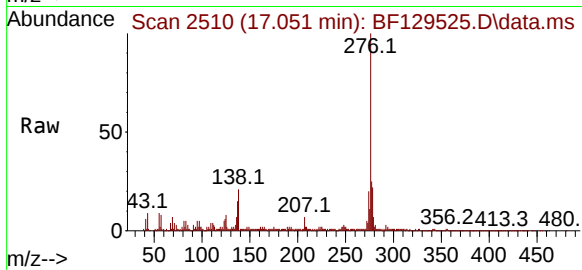
Tgt Ion:276 Resp: 242488

Ion Ratio Lower Upper

276 100

138 21.6 21.1 31.7

277 23.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 50.603 ng

RT: 15.104 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129525.D

Acq: 03 Aug 2022 00:52

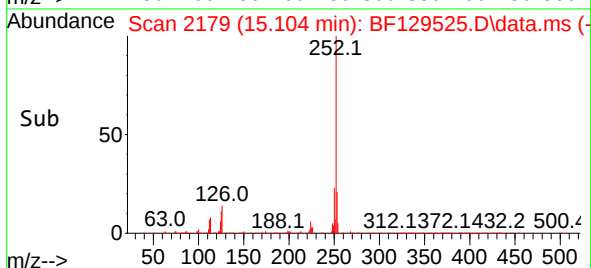
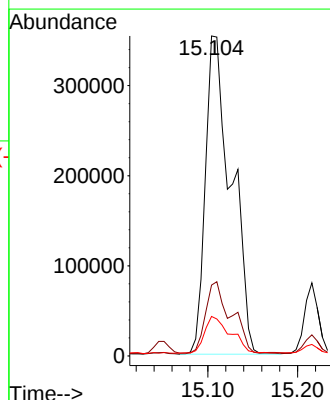
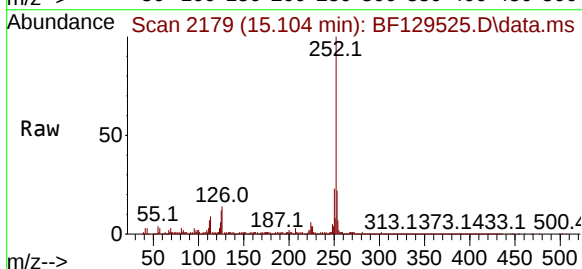
Tgt Ion:252 Resp: 709637

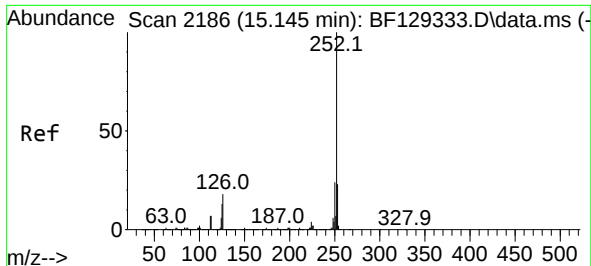
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 12.3 8.0 12.0#

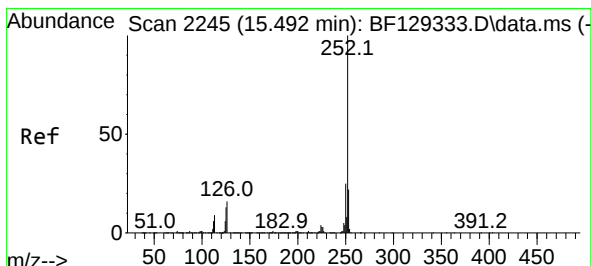
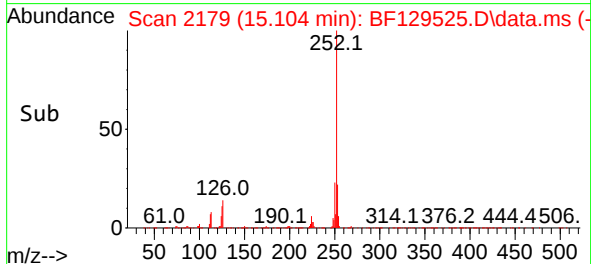
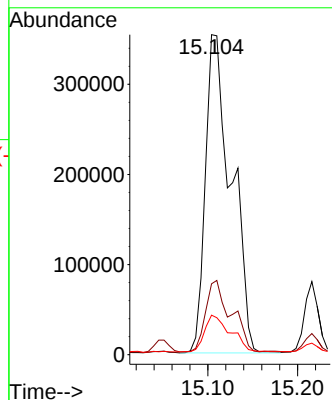
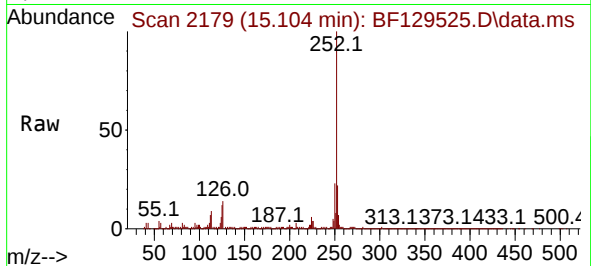




#89
Benzo(k)fluoranthene
Concen: 51.637 ng
RT: 15.104 min Scan# 2186
Delta R.T. -0.017 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

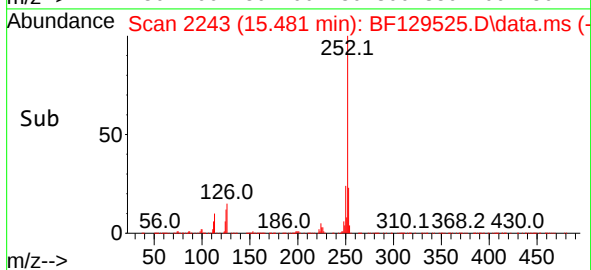
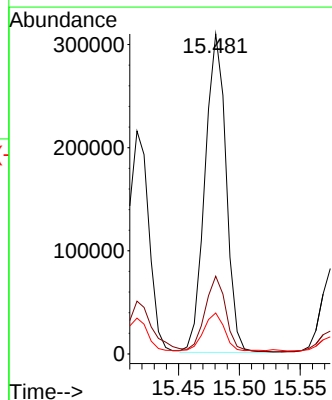
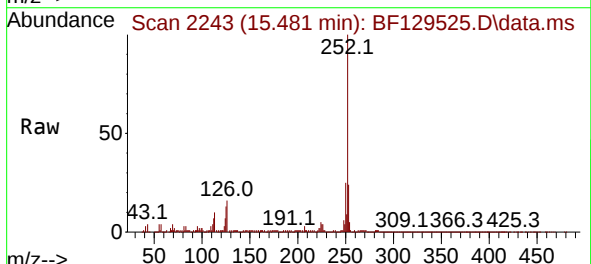
Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

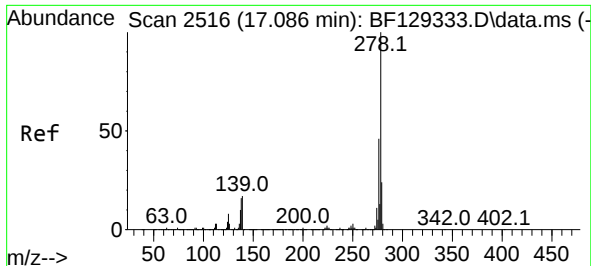
Tgt Ion:252 Resp: 709637
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 12.3 8.3 12.5



#90
Benzo(a)pyrene
Concen: 32.754 ng
RT: 15.481 min Scan# 2243
Delta R.T. 0.012 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:252 Resp: 372867
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 12.8 8.8 13.2

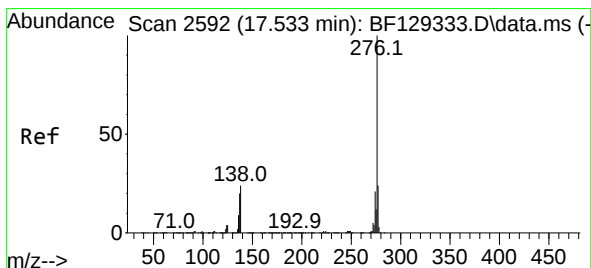
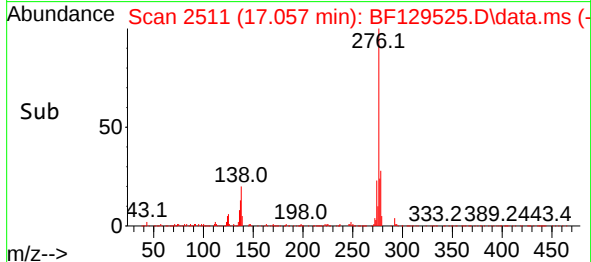
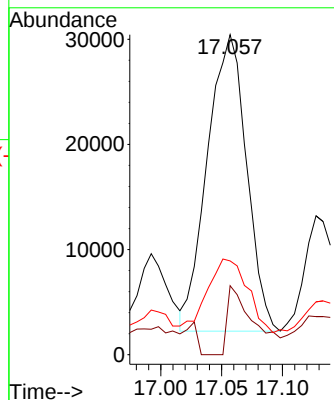
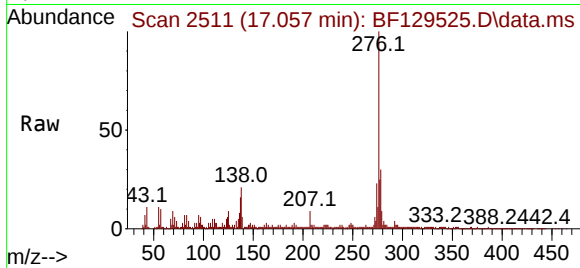




#91
Dibenzo(a,h)anthracene
Concen: 5.455 ng
RT: 17.057 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Instrument :
BNA_F
ClientSampleId :
TP3-0729DL

Tgt Ion:278 Resp: 63208
Ion Ratio Lower Upper
278 100
139 21.6 12.8 19.2#
279 29.3 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 18.946 ng
RT: 17.510 min Scan# 2588
Delta R.T. 0.018 min
Lab File: BF129525.D
Acq: 03 Aug 2022 00:52

Tgt Ion:276 Resp: 224325
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 22.0 18.0 27.0

