

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129704.D
 Acq On : 10 Aug 2022 19:52
 Operator : CG\JU
 Sample : N4127-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080922

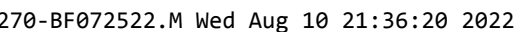
Quant Time: Aug 10 21:36:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 15:26:57 2022
 Response via : Initial Calibration

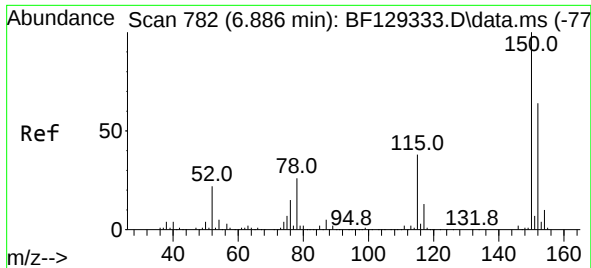
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	158848	20.000	ng	-0.02
21) Naphthalene-d8	8.116	136	600500	20.000	ng	-0.02
39) Acenaphthene-d10	9.875	164	274082	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	370847	20.000	ng	-0.02
76) Chrysene-d12	14.016	240	265443	20.000	ng	-0.01
86) Perylene-d12	15.486	264	235233	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1128502	115.729	ng	0.00
7) Phenol-d6	6.493	99	1380711	112.649	ng	-0.01
23) Nitrobenzene-d5	7.404	82	884514	80.407	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	265825	100.879	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	1516486	85.592	ng	-0.02
79) Terphenyl-d14	12.951	244	1070794	76.104	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	117830	15.880	ng	# 72
25) Isophorone	7.404	82	880239	44.641	ng	# 65
49) Acenaphthylene	9.734	152	116940	4.759	ng	98
51) 2,6-Dinitrotoluene	9.875	165	36905	8.715	ng	# 25
57) 2,4-Dinitrotoluene	9.875	165	36905	6.671	ng	# 21
67) 4-Bromophenyl-phenylether	10.669	248	17006	4.188	ng	# 1
71) Phenanthrene	11.386	178	242790	11.993	ng	98
72) Anthracene	11.439	178	102272	5.141	ng	98
75) Fluoranthene	12.580	202	745772	36.359	ng	99
78) Pyrene	12.810	202	706048	31.808	ng	99
81) Benzo(a)anthracene	14.004	228	446078	24.601	ng	95
83) Chrysene	14.039	228	409147	23.942	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	175643	11.088	ng	95
88) Benzo(b)fluoranthene	15.057	252	688892	44.149	ng	# 96
89) Benzo(k)fluoranthene	15.057	252	688892	45.052	ng	97
90) Benzo(a)pyrene	15.427	252	354457	27.983	ng	98
91) Dibenzo(a,h)anthracene	16.974	278	48417	3.755	ng	# 79
92) Benzo(g,h,i)perylene	17.421	276	150946	11.457	ng	99

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

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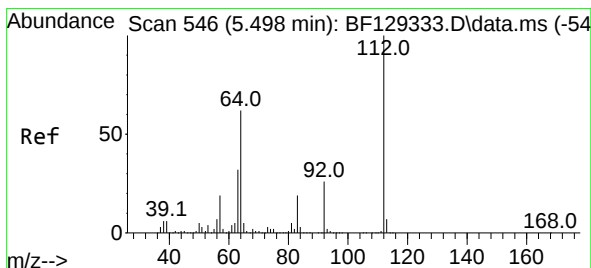
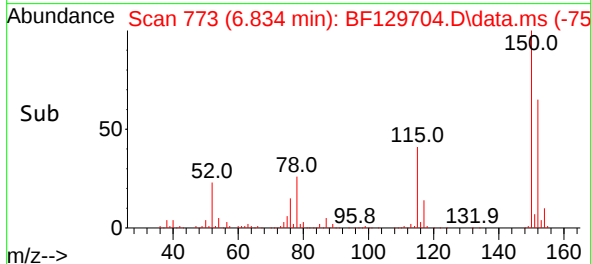
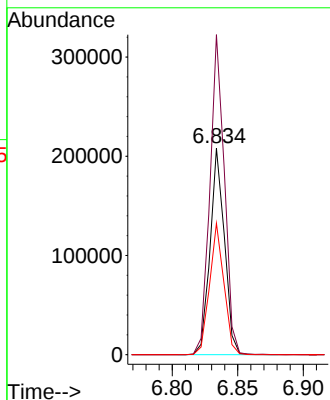
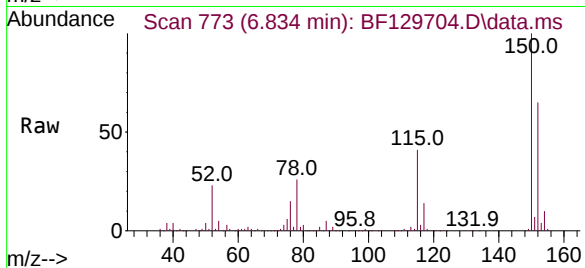




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

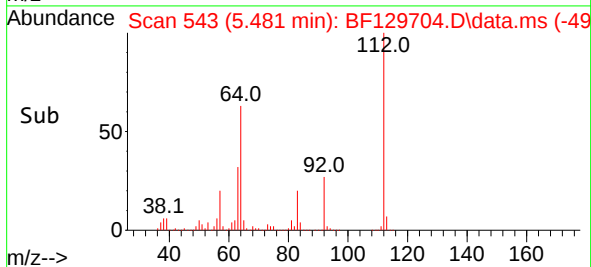
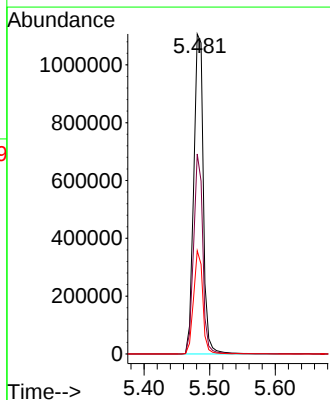
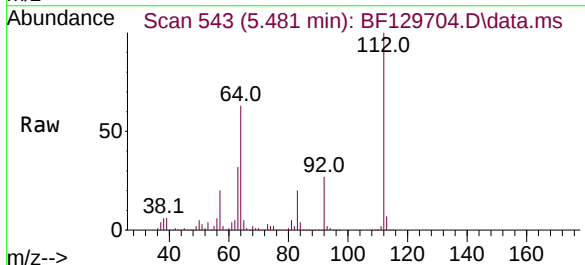
Instrument :
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SU-04-080922

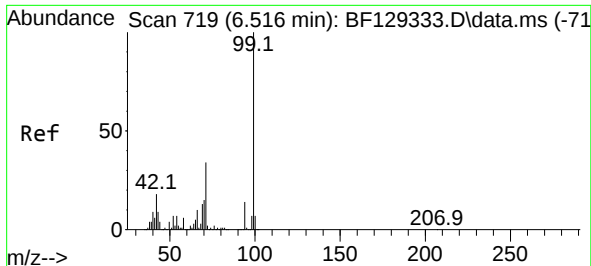
Tgt Ion:152 Resp: 158848
Ion Ratio Lower Upper
152 100
150 155.0 123.7 185.5
115 63.6 49.9 74.9



#5
2-Fluorophenol
Concen: 115.729 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.000 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:112 Resp: 1128502
Ion Ratio Lower Upper
112 100
64 62.5 53.3 79.9
63 32.2 28.0 42.0

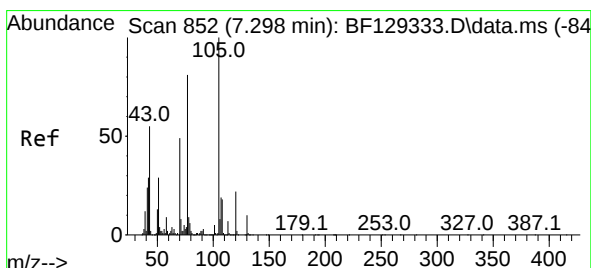
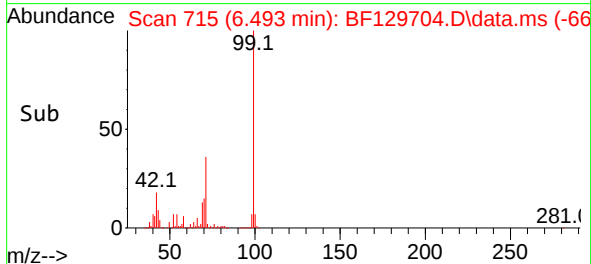
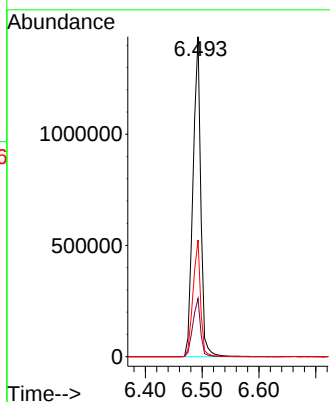
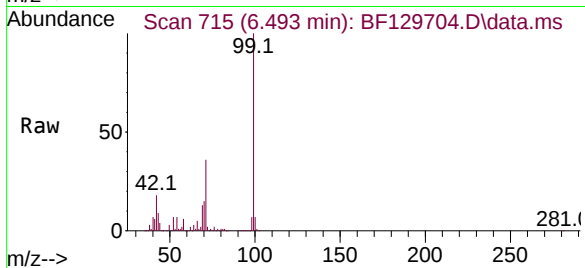




#7
Phenol-d6
Concen: 112.649 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

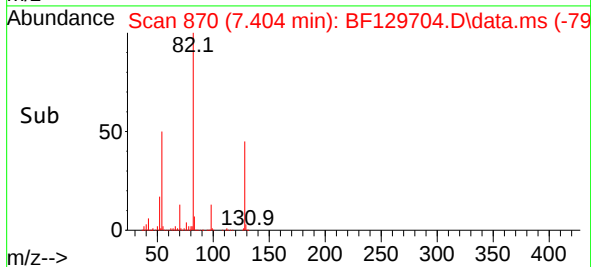
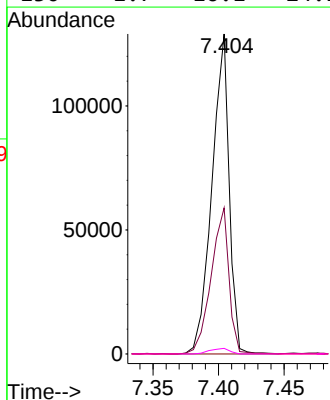
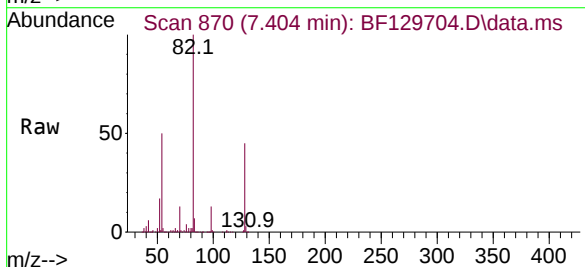
Instrument :
BNA_F
ClientSampleId :
SU-04-080922

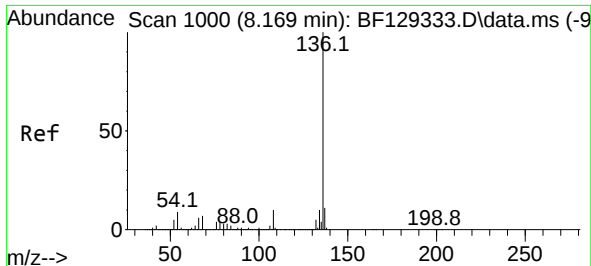
Tgt Ion: 99 Resp: 1380711
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 36.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.880 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion: 70 Resp: 117830
Ion Ratio Lower Upper
70 100
42 45.6 52.3 78.5#
101 0.0 7.5 11.3#
130 1.7 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

Tgt Ion:136 Resp: 600500

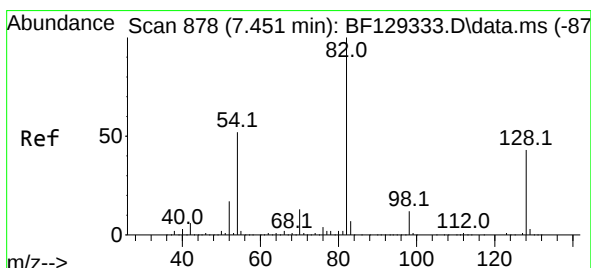
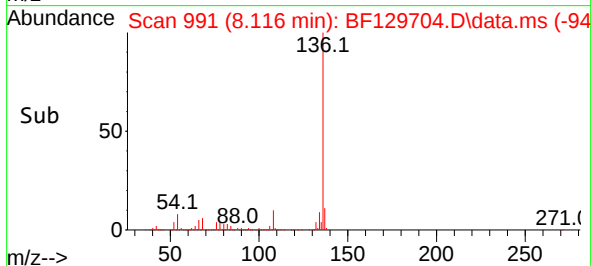
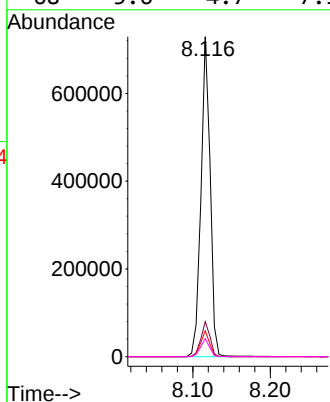
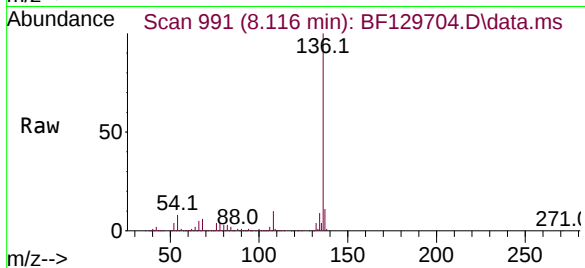
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.1 7.5 11.3

68 5.6 4.7 7.1



#23

Nitrobenzene-d5

Concen: 80.407 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

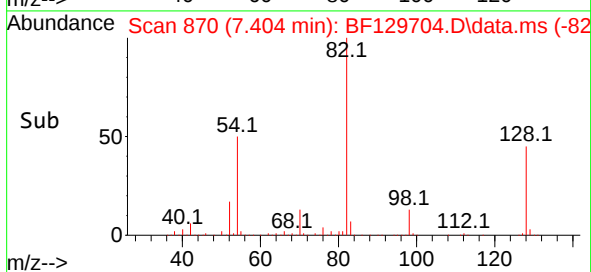
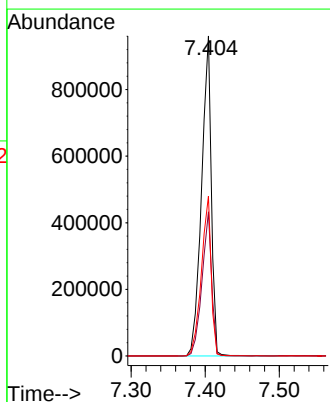
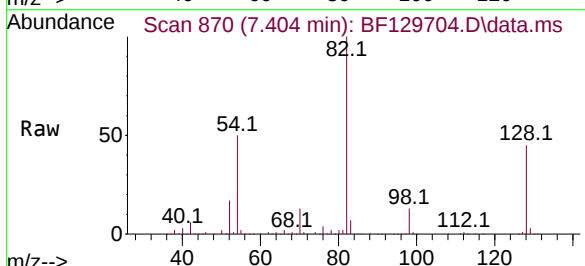
Tgt Ion: 82 Resp: 884514

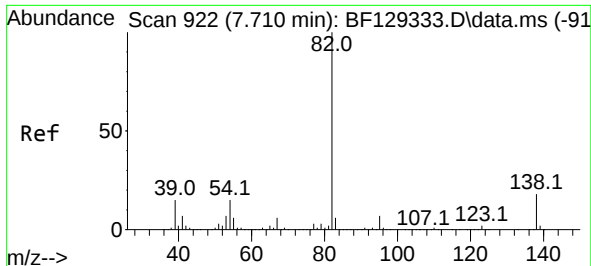
Ion Ratio Lower Upper

82 100

128 45.0 34.0 51.0

54 50.0 46.9 70.3

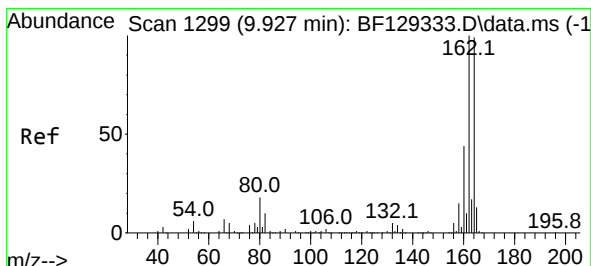
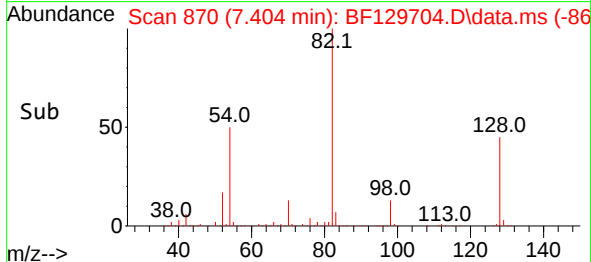
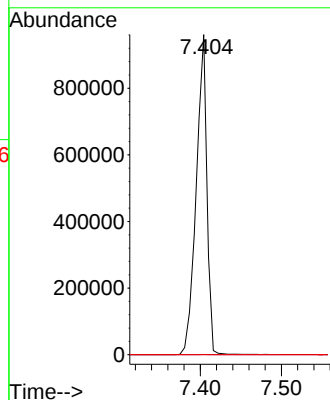
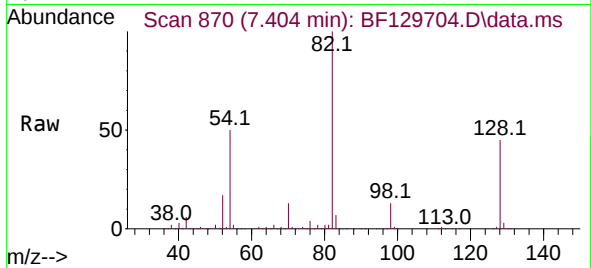




#25
Isophorone
Concen: 44.641 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

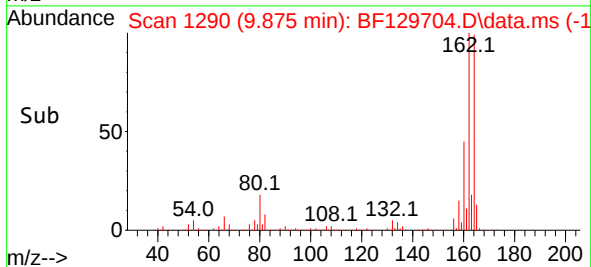
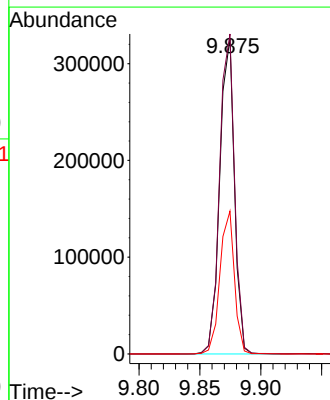
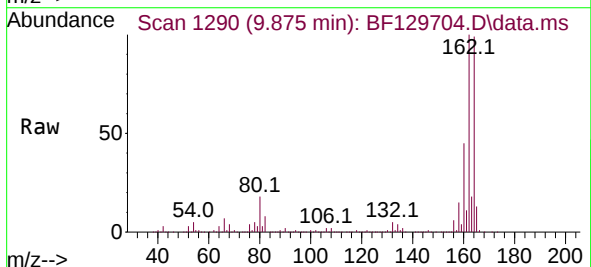
Instrument :
BNA_F
ClientSampleId :
SU-04-080922

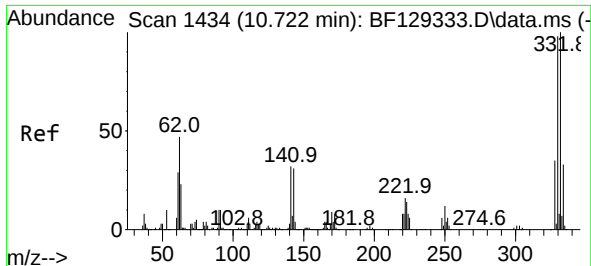
Tgt Ion: 82 Resp: 880239
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:164 Resp: 274082
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 45.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 100.879 ng

RT: 10.669 min Scan# 1434

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

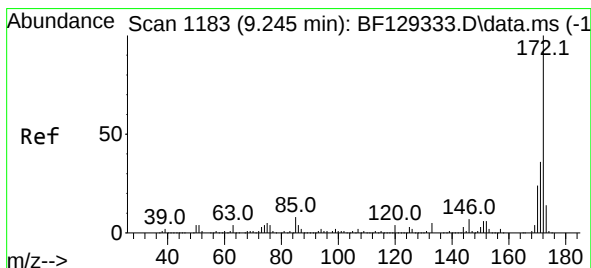
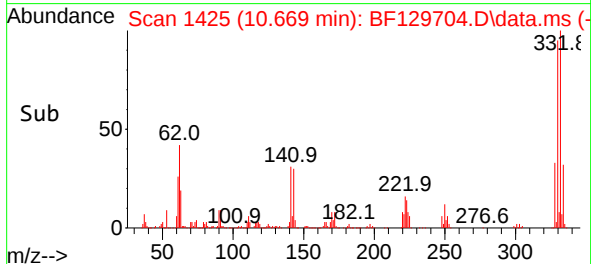
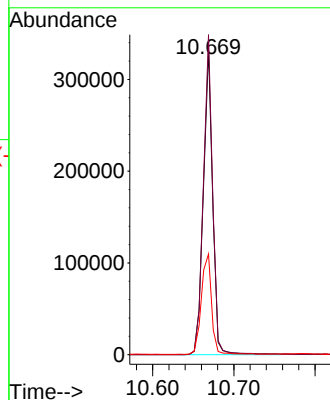
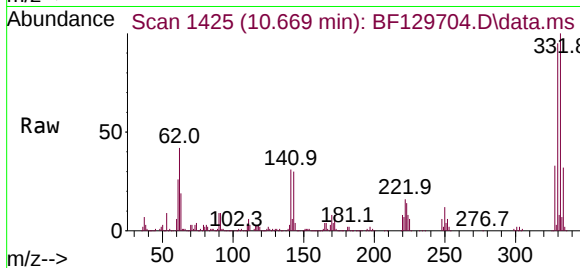
Tgt Ion:330 Resp: 265825

Ion Ratio Lower Upper

330 100

332 104.6 76.8 115.2

141 36.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 85.592 ng

RT: 9.192 min Scan# 1174

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

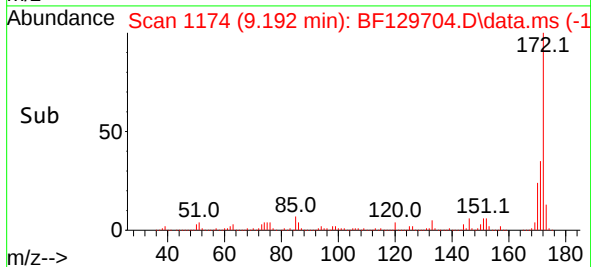
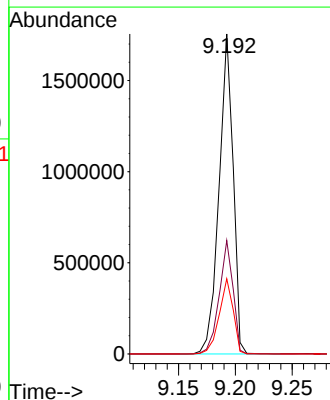
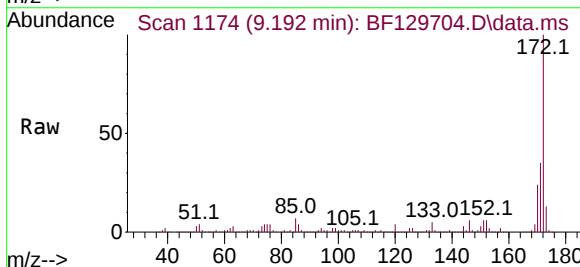
Tgt Ion:172 Resp: 1516486

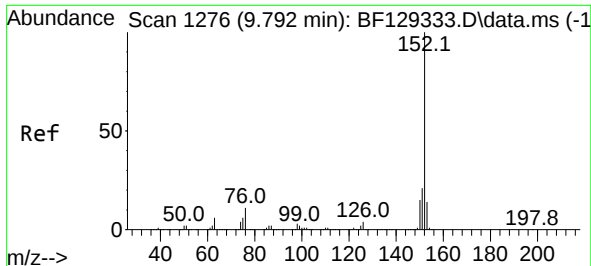
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 19.8 29.8





#49

Acenaphthylene

Concen: 4.759 ng

RT: 9.734 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

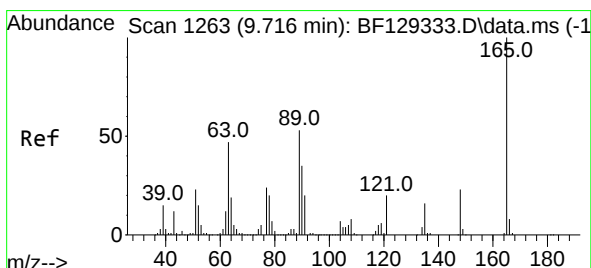
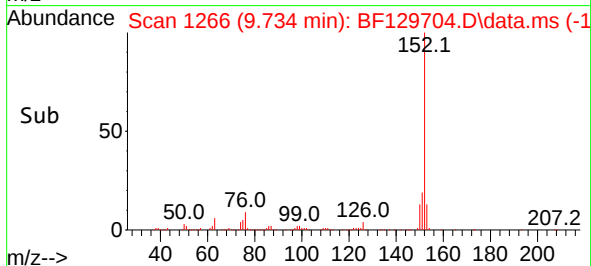
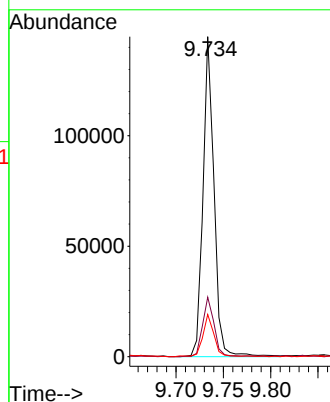
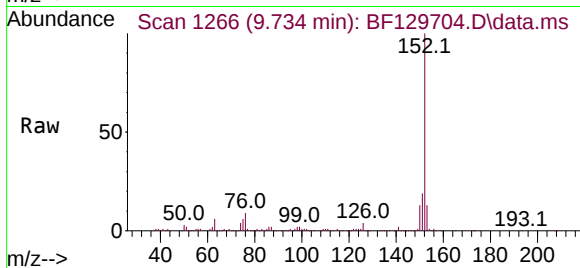
Tgt Ion:152 Resp: 116940

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.4

153 13.2 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.715 ng

RT: 9.875 min Scan# 1290

Delta R.T. 0.194 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

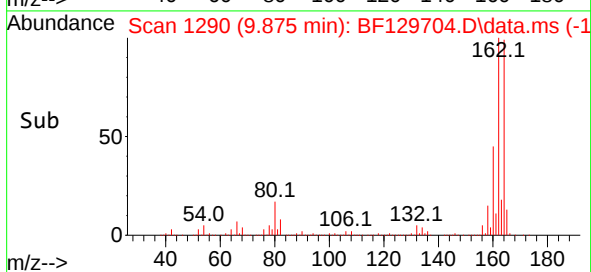
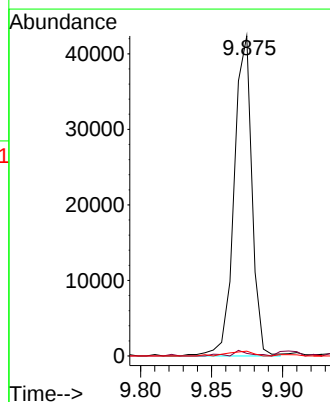
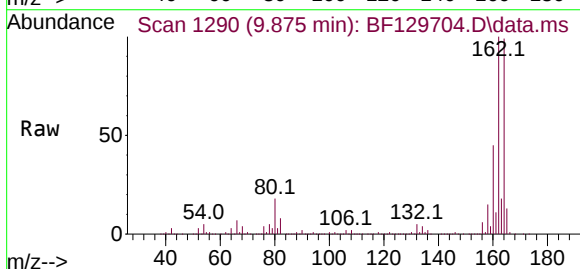
Tgt Ion:165 Resp: 36905

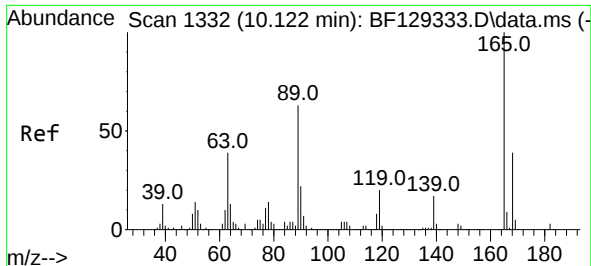
Ion Ratio Lower Upper

165 100

63 0.8 44.9 67.3#

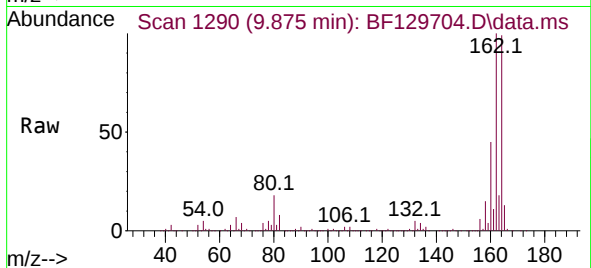
89 1.5 43.6 65.4#



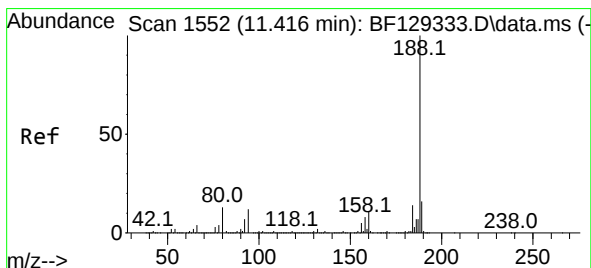
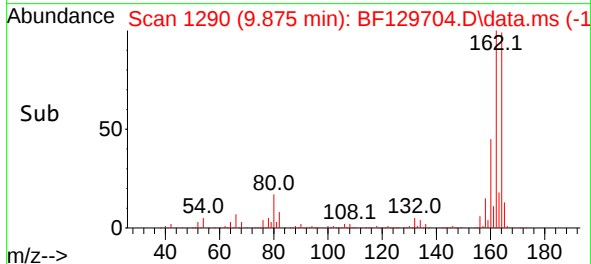
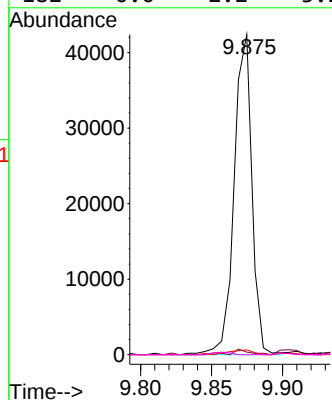


#57
2,4-Dinitrotoluene
Concen: 6.671 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Instrument :
BNA_F
ClientSampleId :
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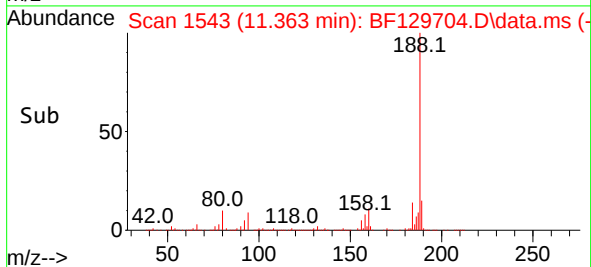
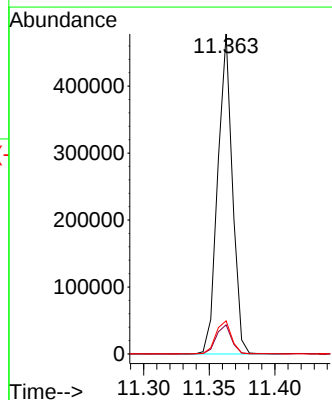
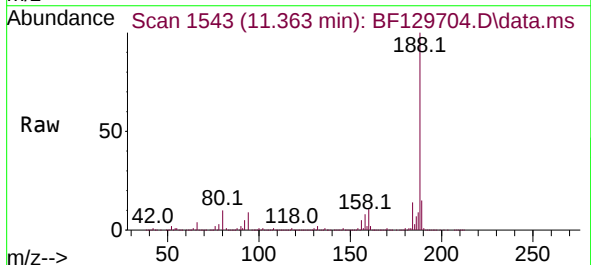


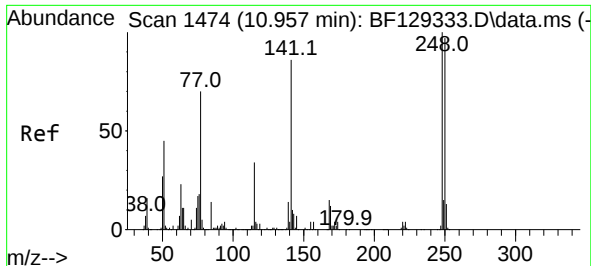
Tgt Ion:165 Resp: 36905
Ion Ratio Lower Upper
165 100
63 0.8 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:188 Resp: 370847
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.6
80 10.4 7.6 11.4

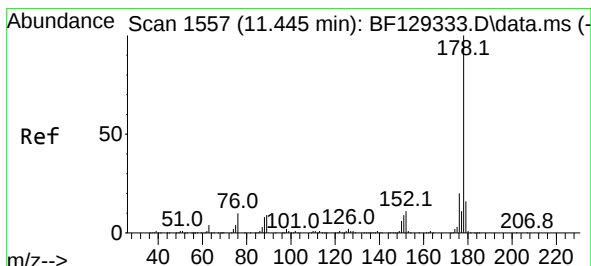
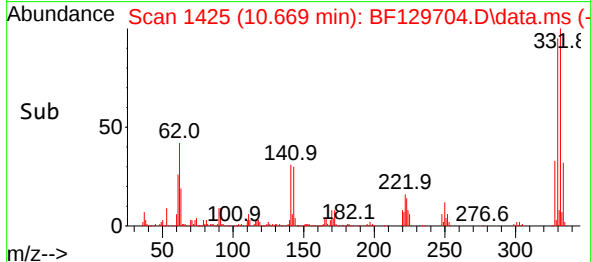
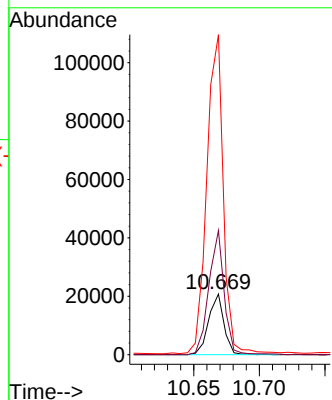
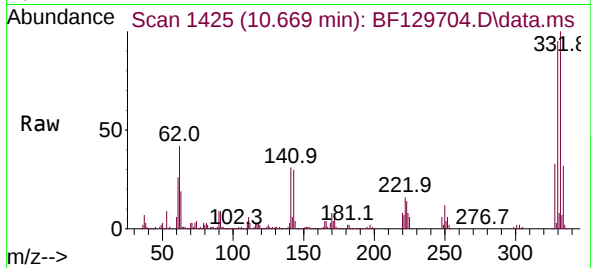




#67
4-Bromophenyl-phenylether
Concen: 4.188 ng
RT: 10.669 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

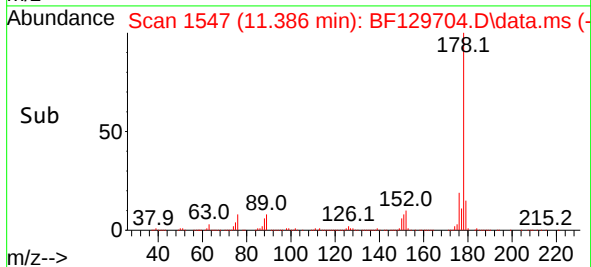
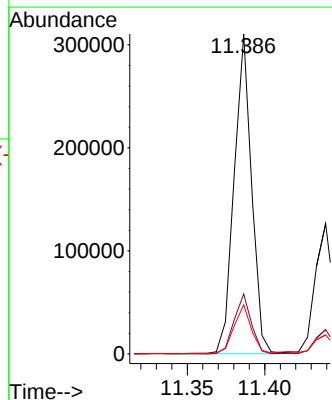
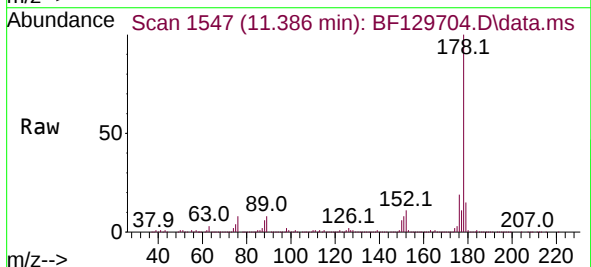
Instrument :
BNA_F
ClientSampleId :
SU-04-080922

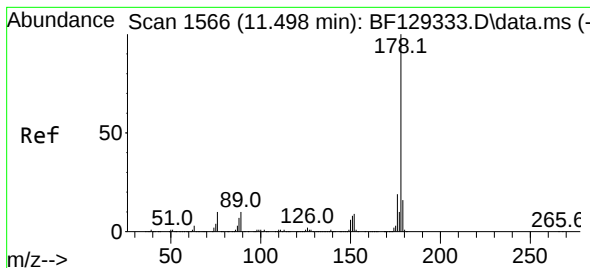
Tgt Ion:248 Resp: 17006
Ion Ratio Lower Upper
248 100
250 204.8 80.6 120.8#
141 527.8 58.9 88.3#



#71
Phenanthrene
Concen: 11.993 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.023 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:178 Resp: 242790
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.4 12.6 19.0





#72

Anthracene

Concen: 5.141 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

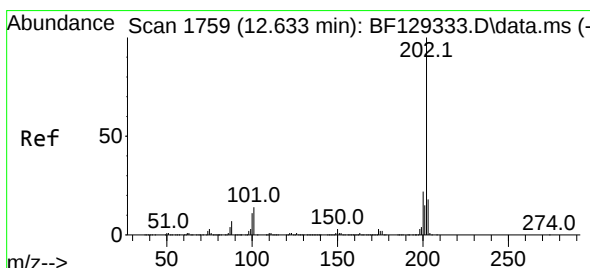
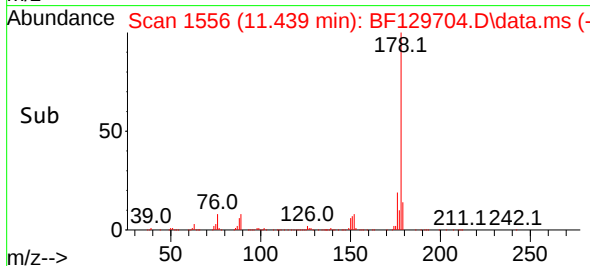
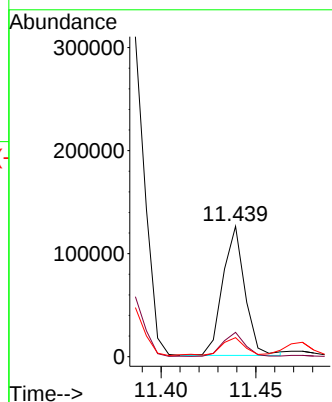
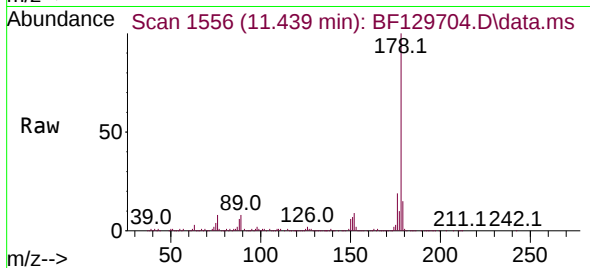
Tgt Ion:178 Resp: 102272

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 14.6 12.6 19.0



#75

Fluoranthene

Concen: 36.359 ng

RT: 12.580 min Scan# 1750

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

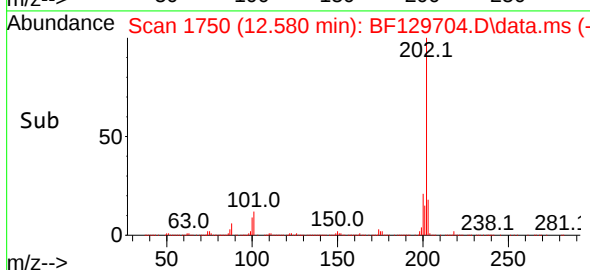
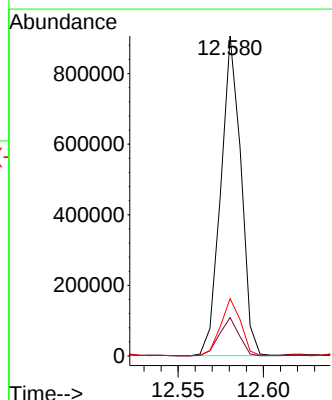
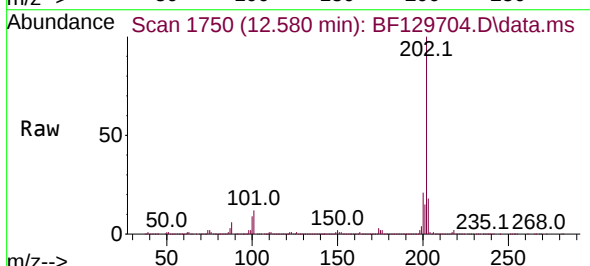
Tgt Ion:202 Resp: 745772

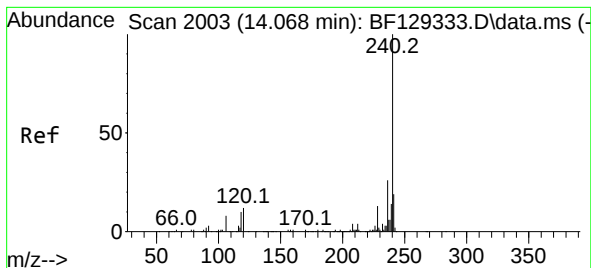
Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

203 17.9 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 1994

Delta R.T. -0.012 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

Instrument :

BNA_F

ClientSampleId :

SU-04-080922

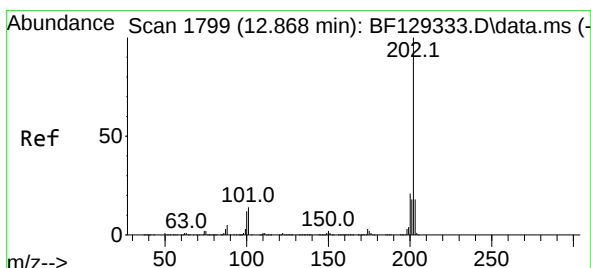
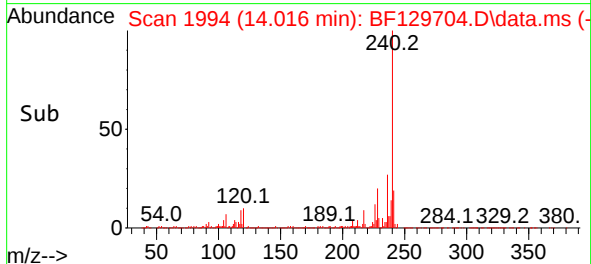
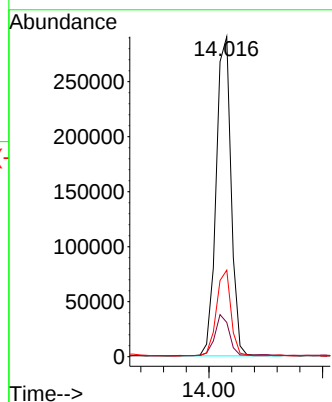
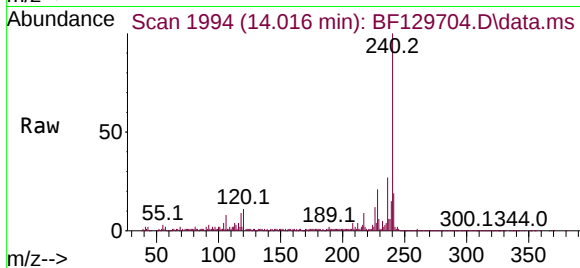
Tgt Ion:240 Resp: 265443

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

236 27.0 20.8 31.2



#78

Pyrene

Concen: 31.808 ng

RT: 12.810 min Scan# 1789

Delta R.T. -0.018 min

Lab File: BF129704.D

Acq: 10 Aug 2022 19:52

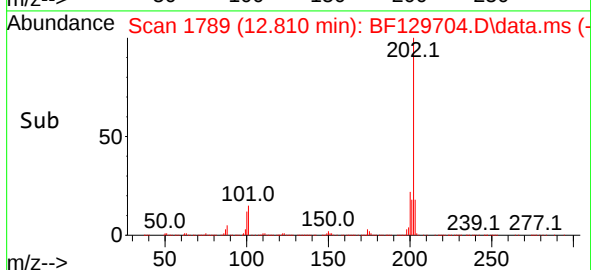
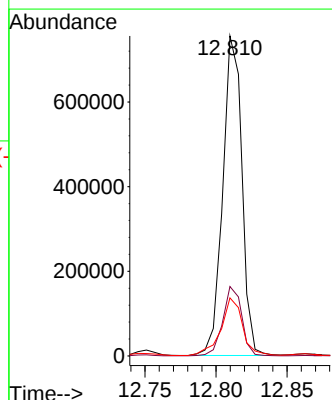
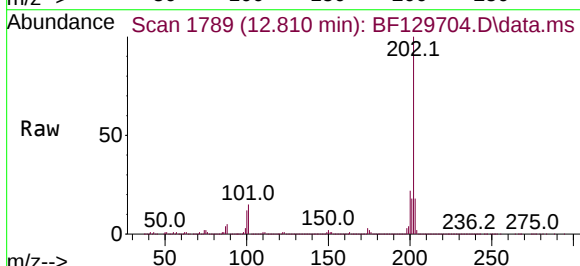
Tgt Ion:202 Resp: 706048

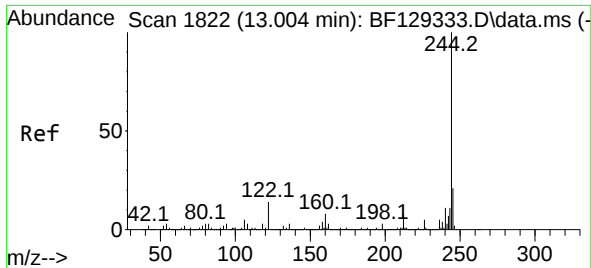
Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

203 18.2 14.6 21.8

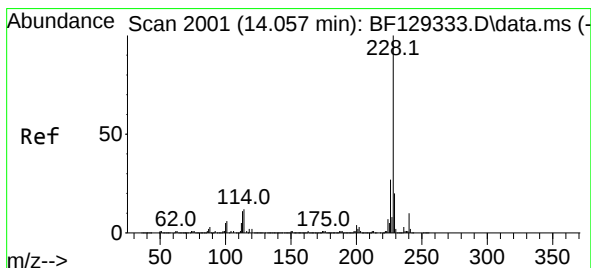
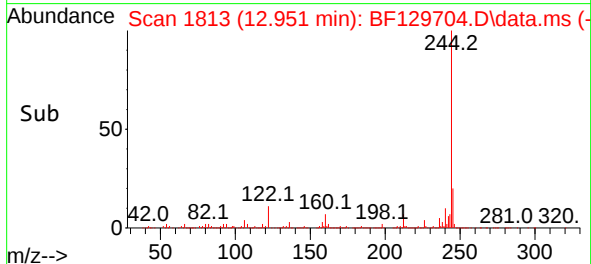
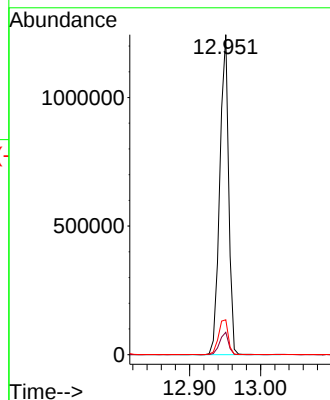
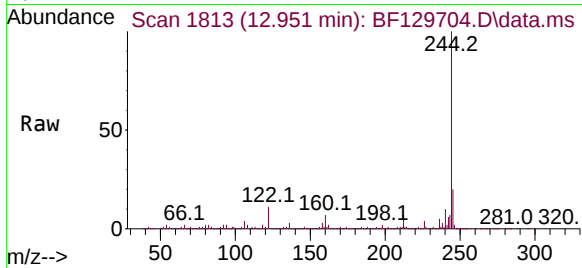




#79
 Terphenyl-d14
 Concen: 76.104 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129704.D
 Acq: 10 Aug 2022 19:52

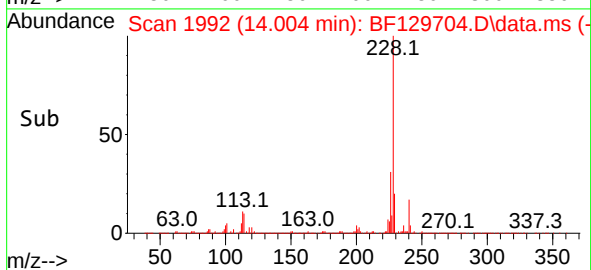
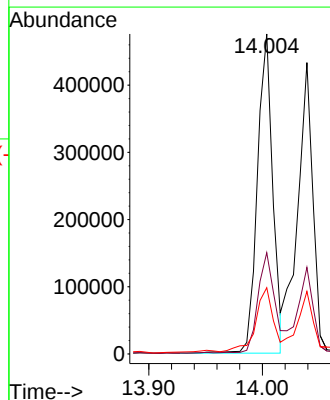
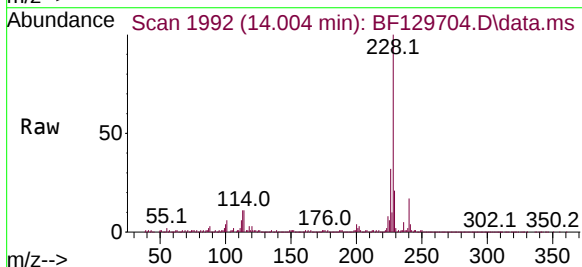
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080922

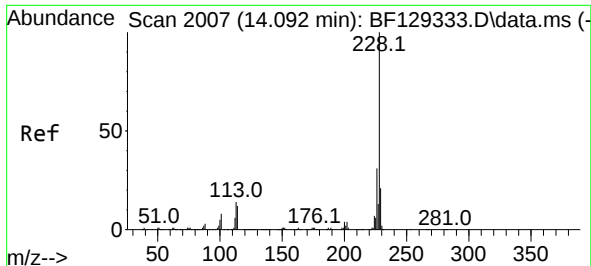
Tgt Ion:244 Resp: 1070794
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 10.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 24.601 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. -0.012 min
 Lab File: BF129704.D
 Acq: 10 Aug 2022 19:52

Tgt Ion:228 Resp: 446078
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.1 33.1
 229 20.7 15.8 23.8

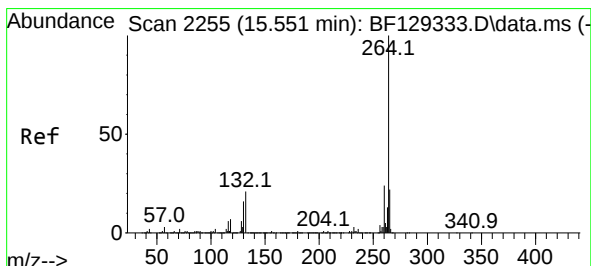
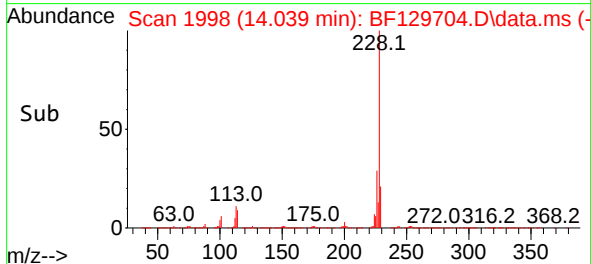
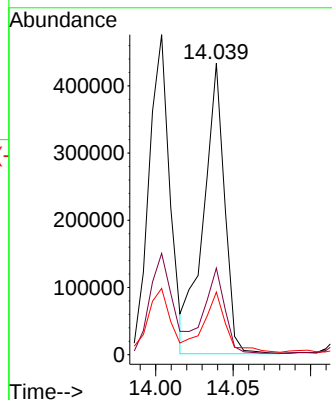
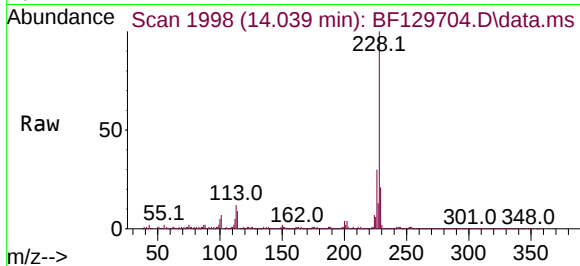




#83
Chrysene
Concen: 23.942 ng
RT: 14.039 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

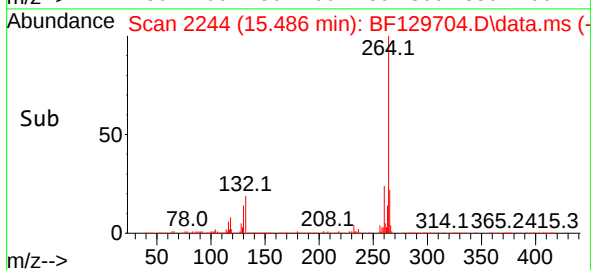
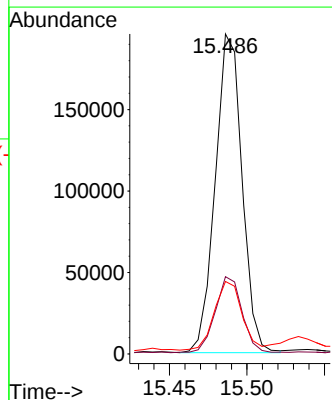
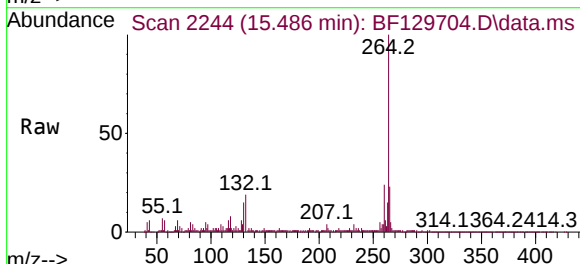
Instrument :
BNA_F
ClientSampleId :
SU-04-080922

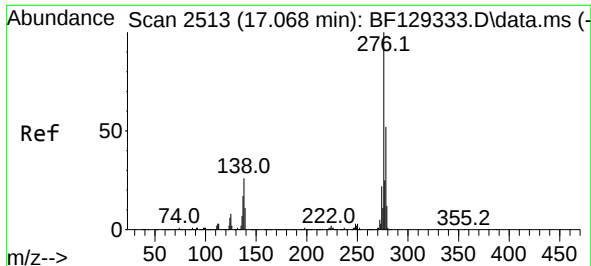
Tgt Ion:228 Resp: 409147
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.5 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:264 Resp: 235233
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 22.7 17.2 25.8

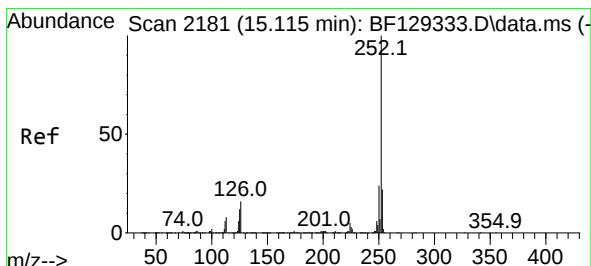
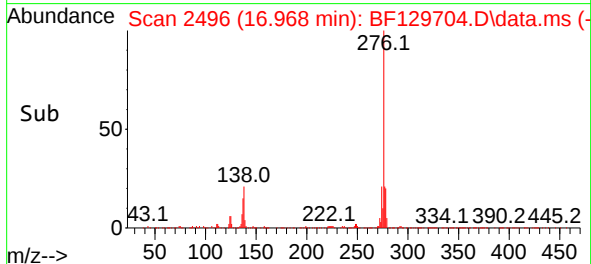
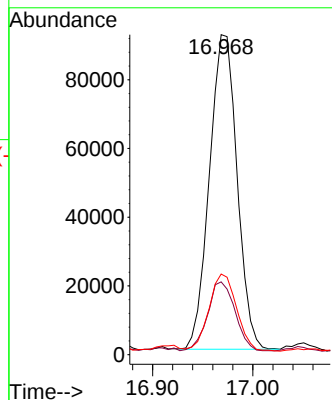
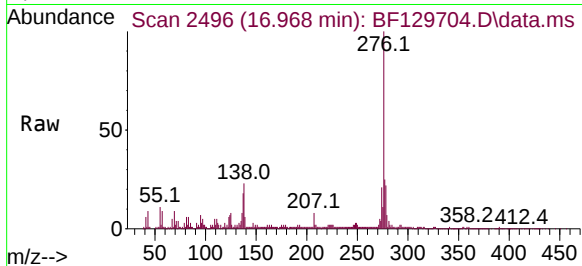




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.088 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

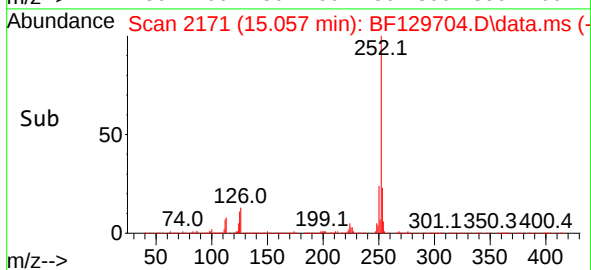
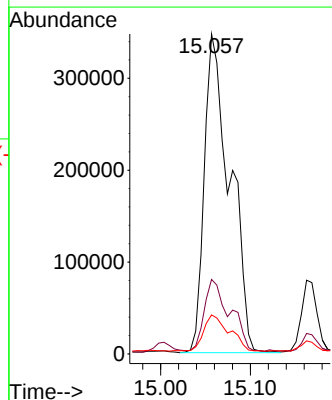
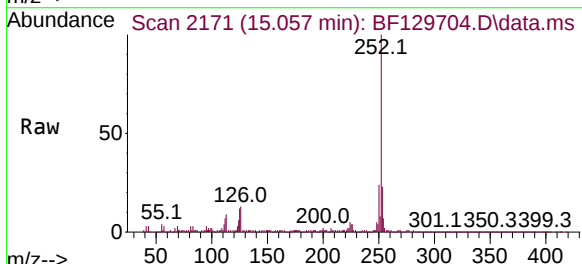
Instrument :
BNA_F
ClientSampleId :
SU-04-080922

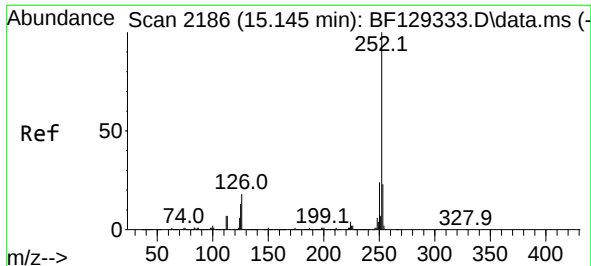
Tgt Ion:276 Resp: 175643
Ion Ratio Lower Upper
276 100
138 21.7 21.1 31.7
277 24.6 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 44.149 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:252 Resp: 688892
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.2 8.0 12.0#

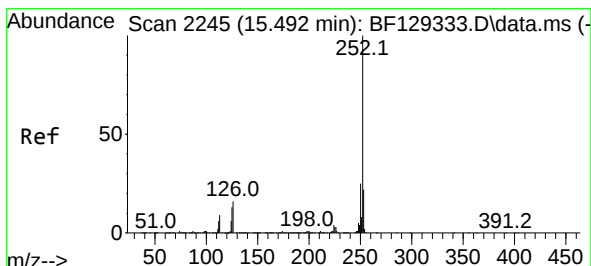
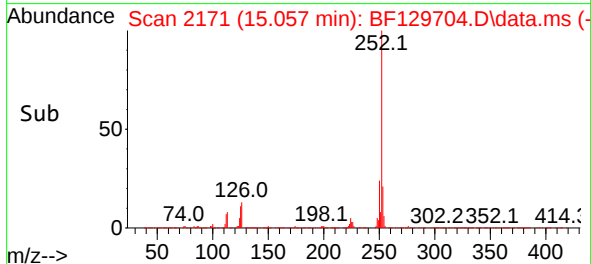
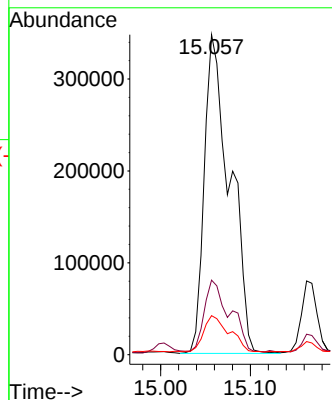
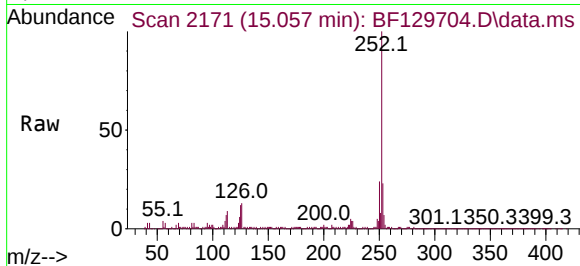




#89
Benzo(k)fluoranthene
Concen: 45.052 ng
RT: 15.057 min Scan# 2186
Delta R.T. -0.047 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

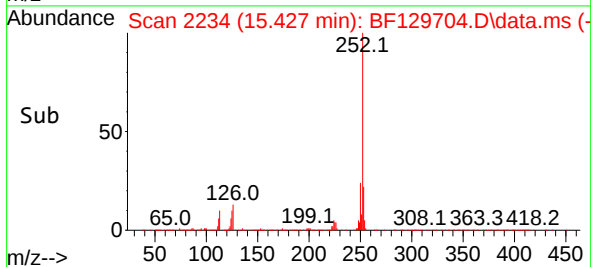
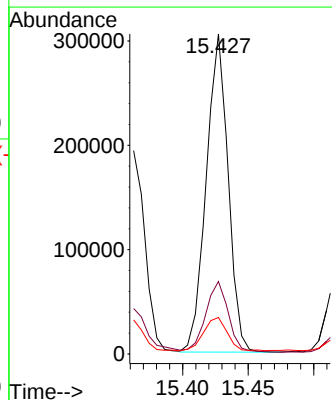
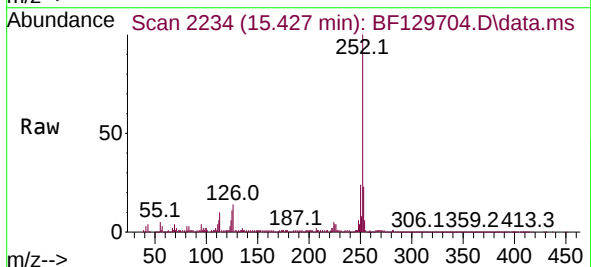
Instrument :
BNA_F
ClientSampleId :
SU-04-080922

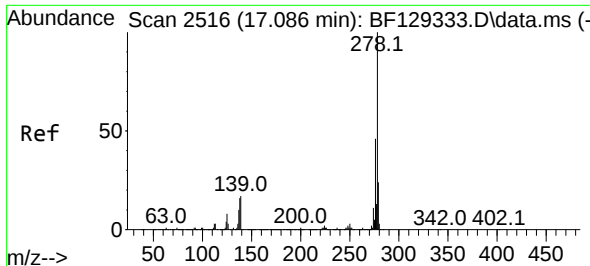
Tgt Ion:252 Resp: 688892
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.2 8.3 12.5



#90
Benzo(a)pyrene
Concen: 27.983 ng
RT: 15.427 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:252 Resp: 354457
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.4 8.8 13.2

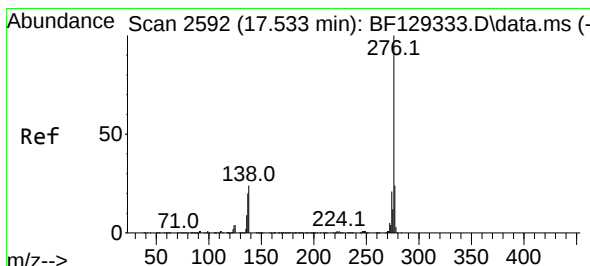
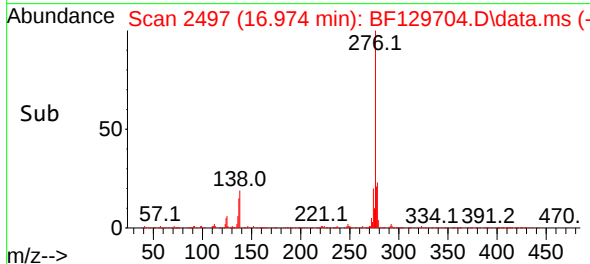
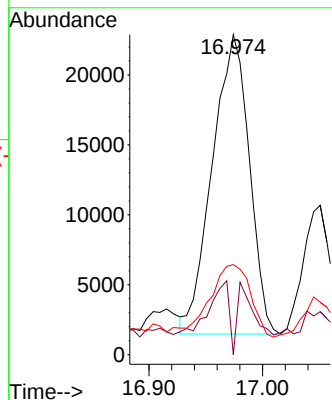
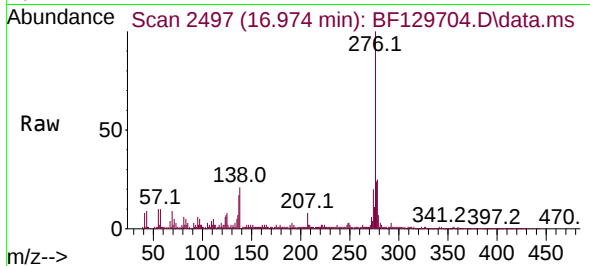




#91
Dibenzo(a,h)anthracene
Concen: 3.755 ng
RT: 16.974 min Scan# 24
Delta R.T. -0.035 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Instrument :
BNA_F
ClientSampleId :
SU-04-080922

Tgt Ion:278 Resp: 48417
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 28.1 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 11.457 ng
RT: 17.421 min Scan# 2573
Delta R.T. -0.029 min
Lab File: BF129704.D
Acq: 10 Aug 2022 19:52

Tgt Ion:276 Resp: 150946
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 23.1 18.0 27.0

