

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129420.D
 Acq On : 28 Jul 2022 21:24
 Operator : CG\JU
 Sample : N3942-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11977

Quant Time: Jul 29 02:09:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

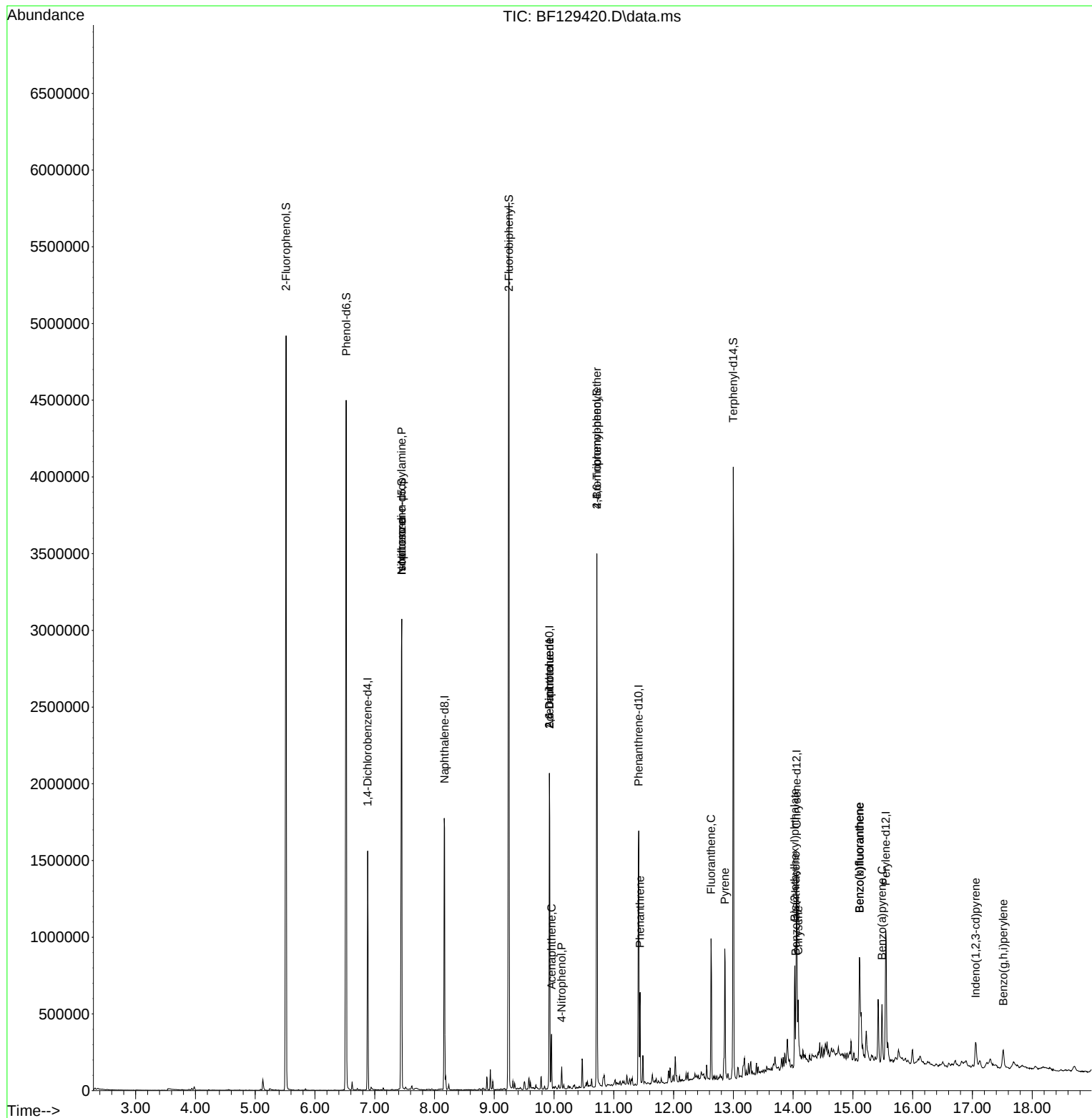
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	206494	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	815313	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	419199	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	594107	20.000	ng	0.00
76) Chrysene-d12	14.057	240	365555	20.000	ng	-0.01
86) Perylene-d12	15.551	264	382260	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1308389	103.217	ng	0.02
7) Phenol-d6	6.522	99	1670829	104.865	ng	0.00
23) Nitrobenzene-d5	7.451	82	1076830	72.098	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	373623	92.704	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1864671	68.811	ng	0.00
79) Terphenyl-d14	12.998	244	1330021	68.641	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	144374	14.968	ng	# 73
25) Isophorone	7.451	82	1071782	40.034	ng	# 65
51) 2,6-Dinitrotoluene	9.922	165	54561	8.424	ng	# 26
52) Acenaphthene	9.957	154	66953	2.728	ng	100
56) 4-Nitrophenol	10.128	139	17631	3.125	ng	# 10
57) 2,4-Dinitrotoluene	9.922	165	54561	6.448	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	24011	3.691	ng	# 1
71) Phenanthrene	11.439	178	207327	6.393	ng	98
75) Fluoranthene	12.627	202	340137	10.351	ng	99
78) Pyrene	12.857	202	335058	10.961	ng	98
81) Benzo(a)anthracene	14.045	228	145000	5.807	ng	95
83) Chrysene	14.086	228	173258	7.362	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	164446	9.421	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	108807	4.227	ng	96
88) Benzo(b)fluoranthene	15.110	252	485669	19.154	ng	98
89) Benzo(k)fluoranthene	15.110	252	485669	19.545	ng	98
90) Benzo(a)pyrene	15.486	252	174779	8.491	ng	99
92) Benzo(g,h,i)perylene	17.515	276	94691	4.423	ng	98

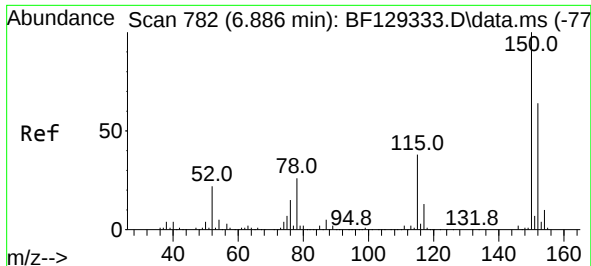
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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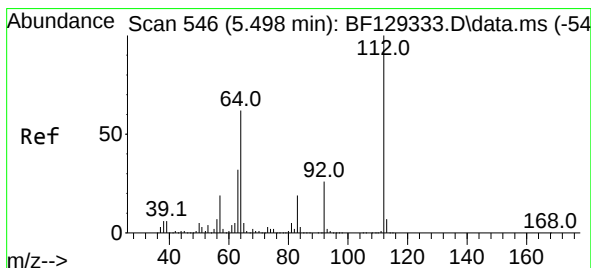
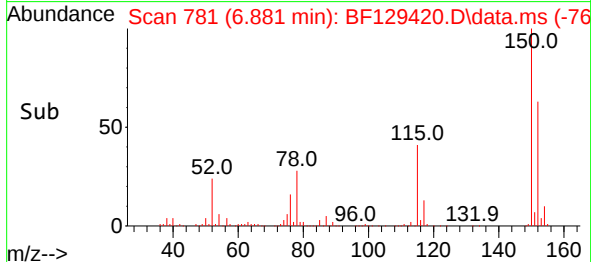
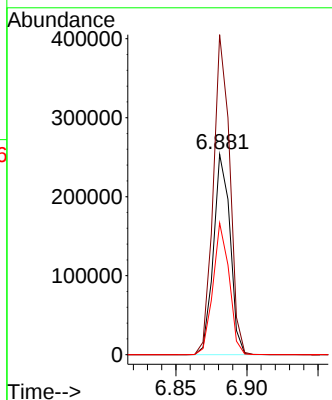
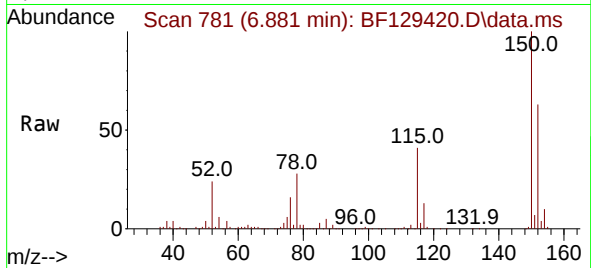




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129420.D
 Acq: 28 Jul 2022 21:24

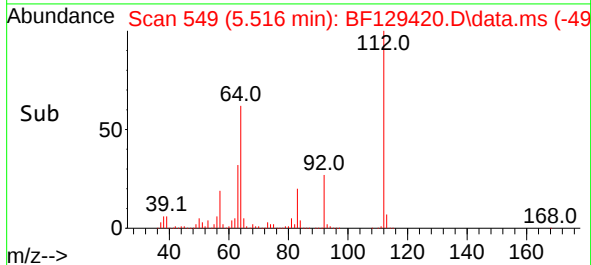
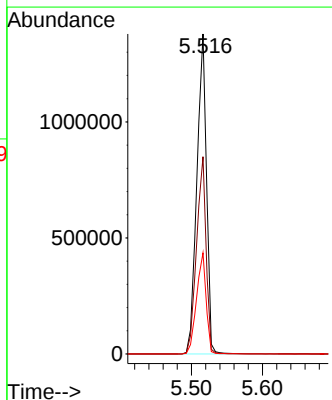
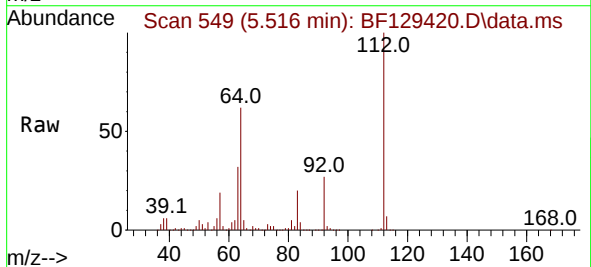
Instrument :
 BNA_F
 ClientSampleId :
 72-11977

Tgt Ion:152 Resp: 206494
 Ion Ratio Lower Upper
 152 100
 150 159.7 123.7 185.5
 115 65.7 49.9 74.9



#5
 2-Fluorophenol
 Concen: 103.217 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.018 min
 Lab File: BF129420.D
 Acq: 28 Jul 2022 21:24

Tgt Ion:112 Resp: 1308389
 Ion Ratio Lower Upper
 112 100
 64 61.7 53.3 79.9
 63 31.6 28.0 42.0



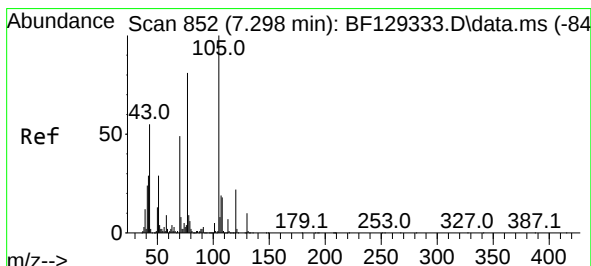
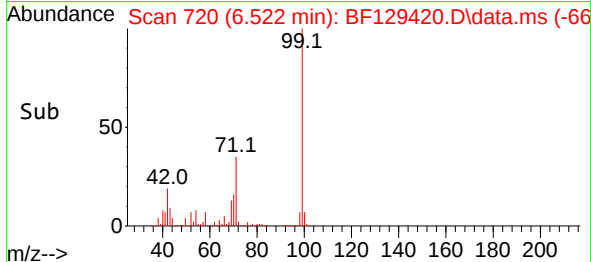
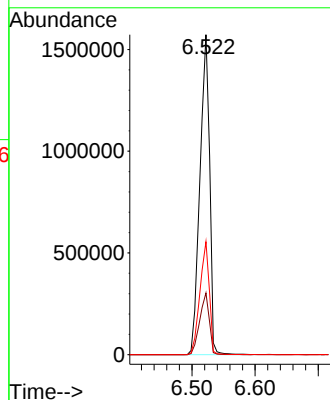
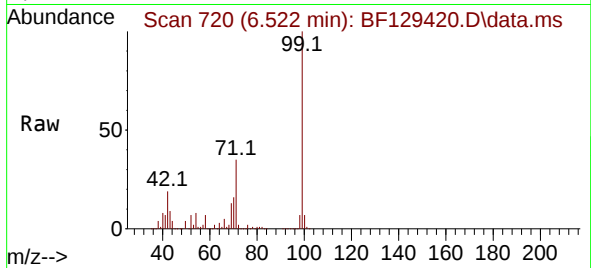


#7
Phenol-d6
Concen: 104.865 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Instrument :
BNA_F
ClientSampleId :
72-11977

Tgt Ion: 99 Resp: 1670829

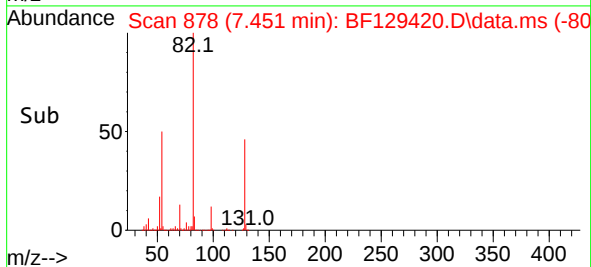
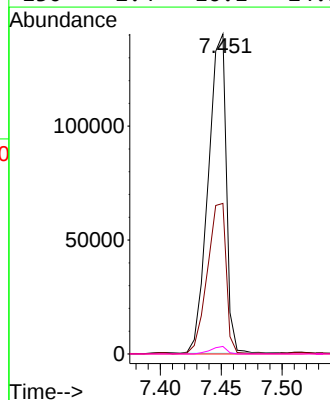
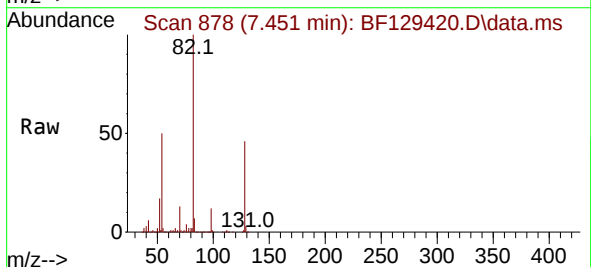
Ion	Ratio	Lower	Upper
99	100		
42	19.3	17.3	25.9
71	35.3	28.9	43.3

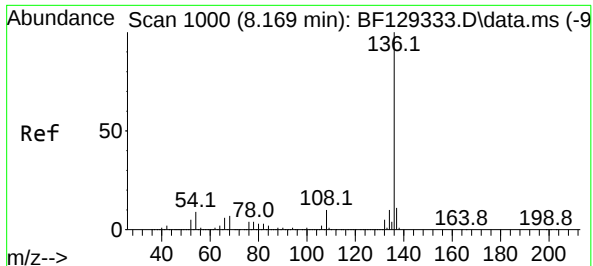


#19
n-Nitroso-di-n-propylamine
Concen: 14.968 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.153 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion: 70 Resp: 144374

Ion	Ratio	Lower	Upper
70	100		
42	47.0	52.3	78.5#
101	0.0	7.5	11.3#
130	2.4	16.1	24.1#

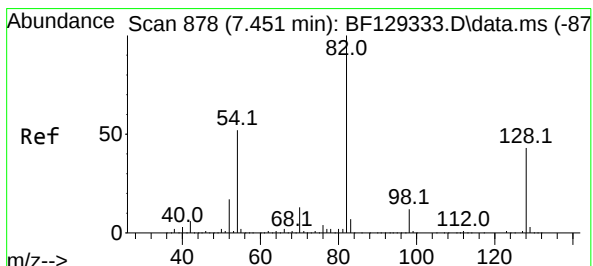
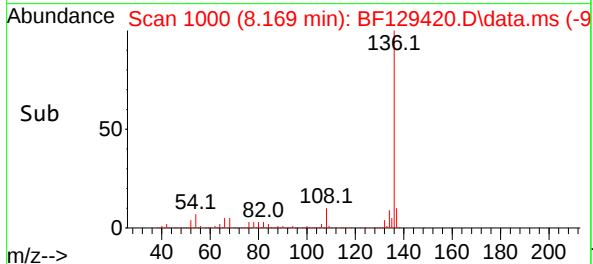
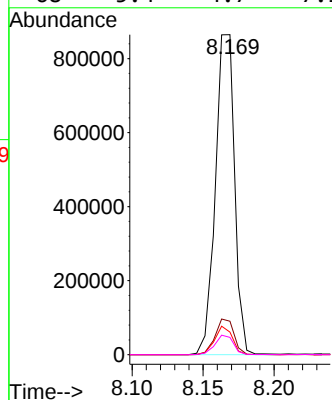
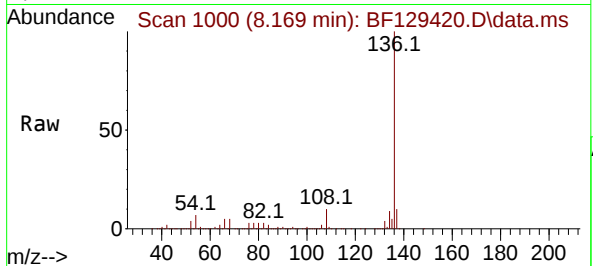




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

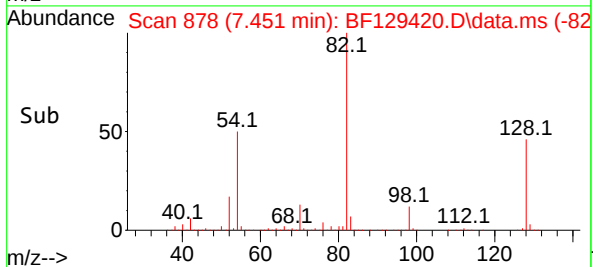
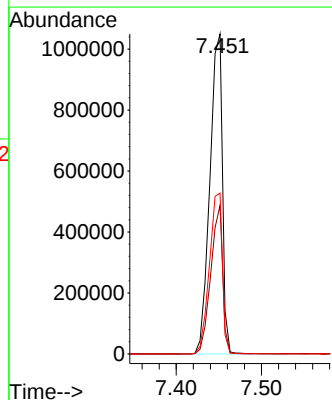
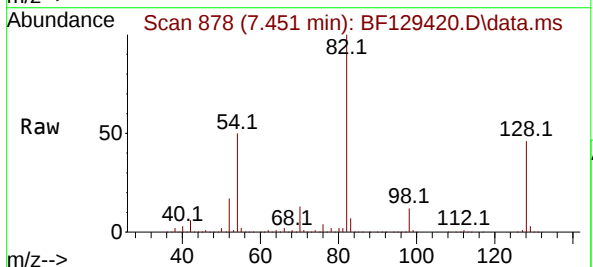
Instrument :
BNA_F
ClientSampleId :
72-11977

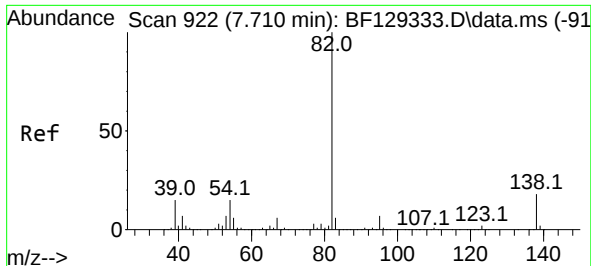
Tgt Ion:136 Resp: 815313
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.1 7.5 11.3#
68 5.4 4.7 7.1



#23
Nitrobenzene-d5
Concen: 72.098 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion: 82 Resp: 1076830
Ion Ratio Lower Upper
82 100
128 46.4 34.0 51.0
54 50.2 46.9 70.3

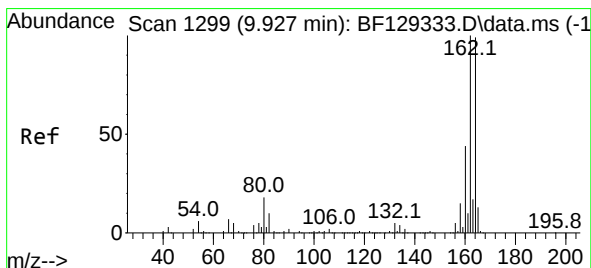
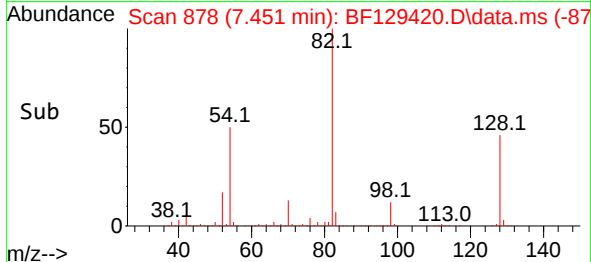
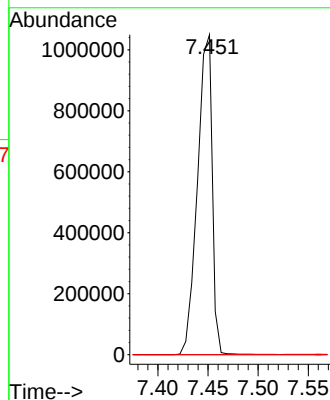
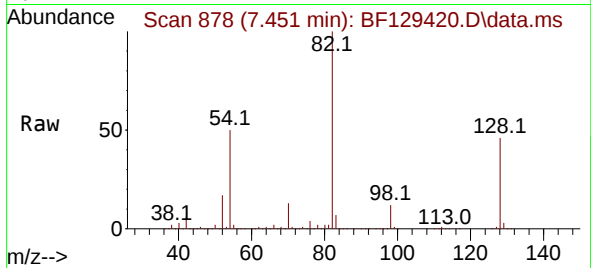




#25
Isophorone
Concen: 40.034 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

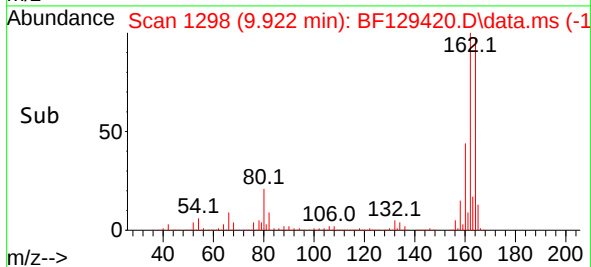
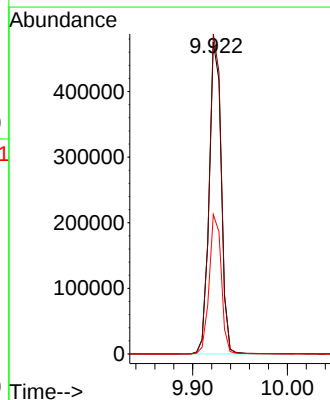
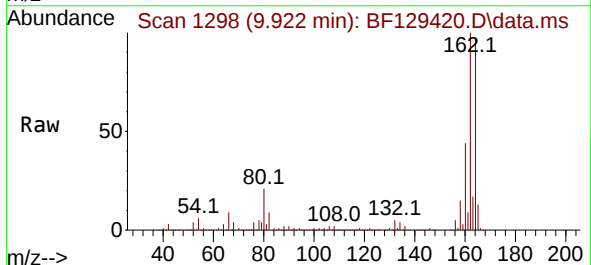
Instrument :
BNA_F
ClientSampleId :
72-11977

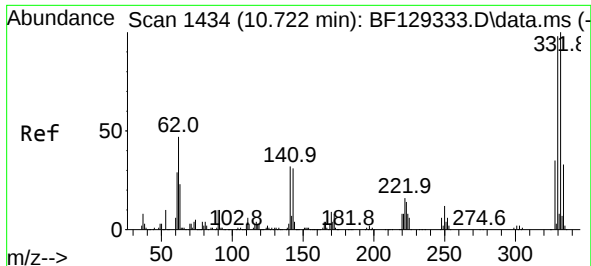
Tgt Ion: 82 Resp: 1071782
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:164 Resp: 419199
Ion Ratio Lower Upper
164 100
162 102.6 79.5 119.3
160 44.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 92.704 ng

RT: 10.716 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

Instrument :

BNA_F

ClientSampleId :

72-11977

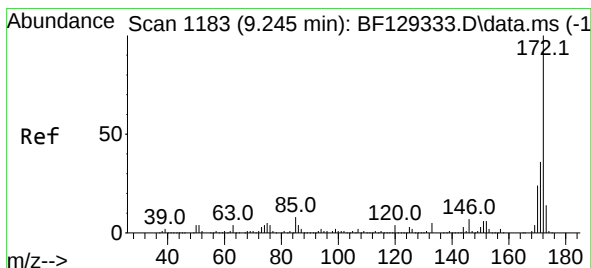
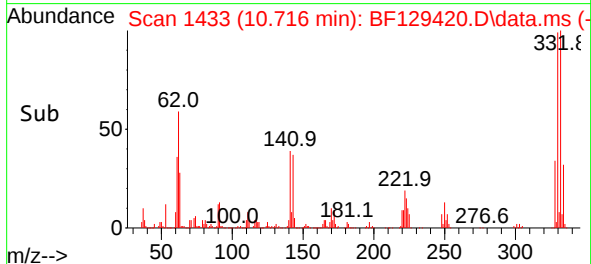
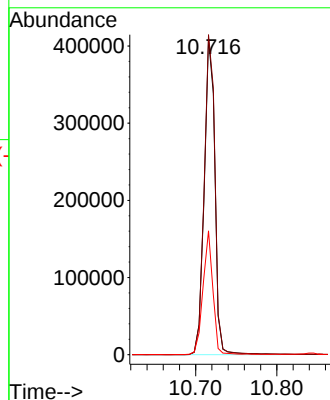
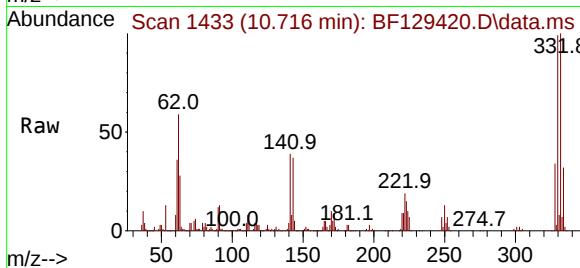
Tgt Ion:330 Resp: 373623

Ion Ratio Lower Upper

330 100

332 102.5 76.8 115.2

141 36.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 68.811 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

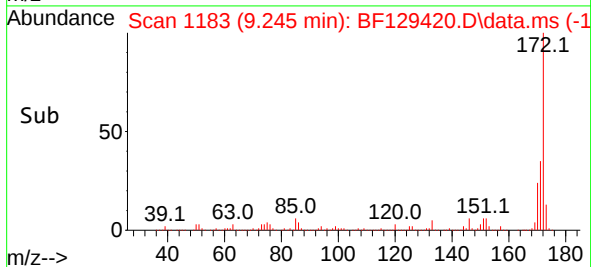
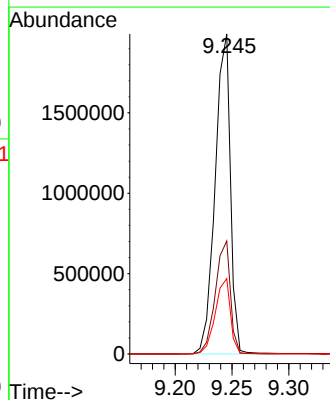
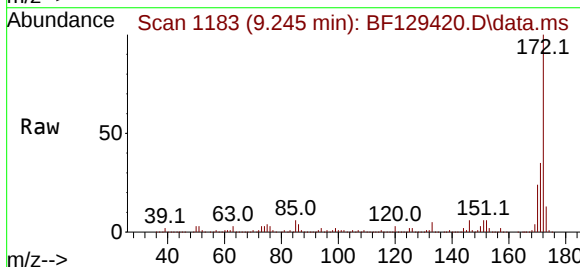
Tgt Ion:172 Resp: 1864671

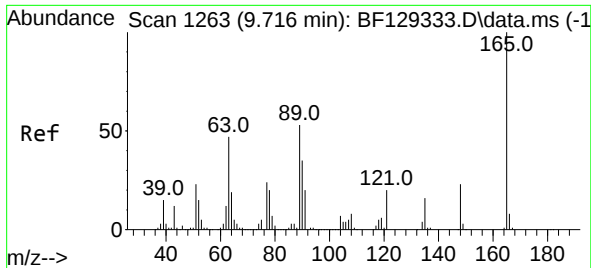
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.5 19.8 29.8

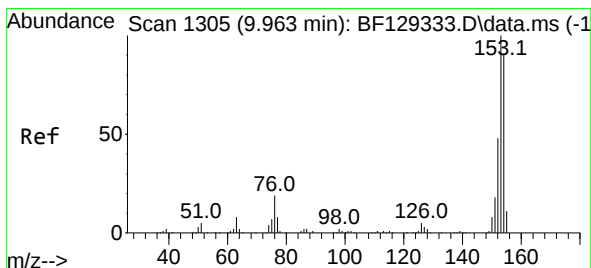
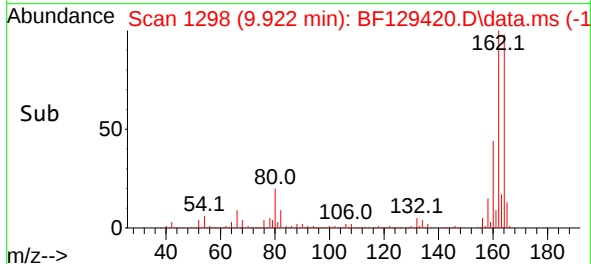
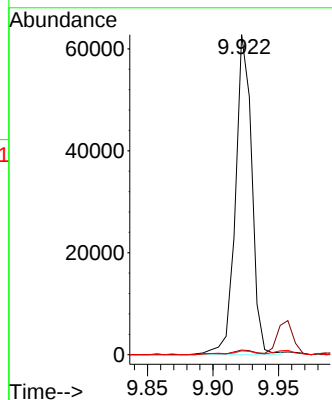
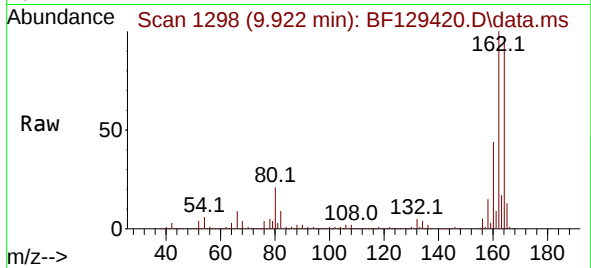




#51
2,6-Dinitrotoluene
Concen: 8.424 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

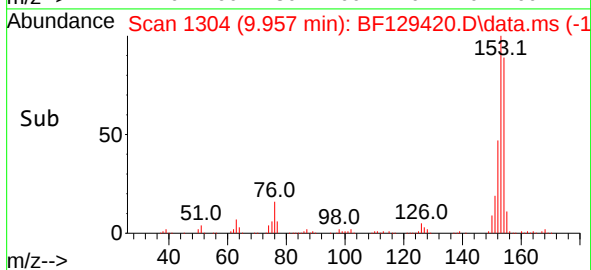
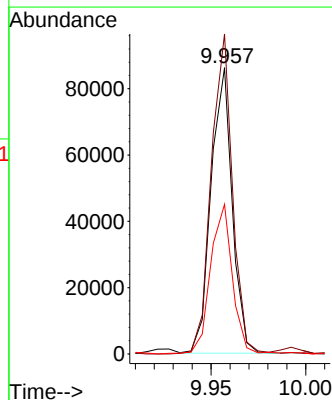
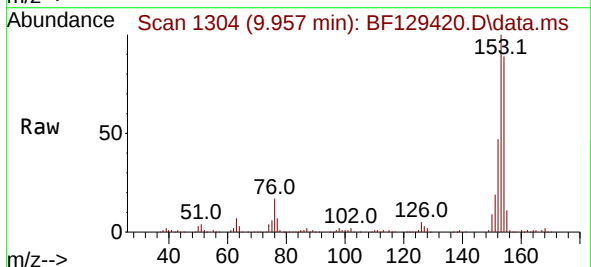
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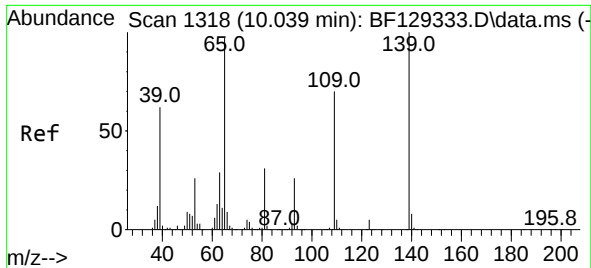
Tgt Ion:165 Resp: 54561
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.2 43.6 65.4#



#52
Acenaphthene
Concen: 2.728 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:154 Resp: 66953
Ion Ratio Lower Upper
154 100
153 111.8 89.6 134.4
152 52.3 42.4 63.6

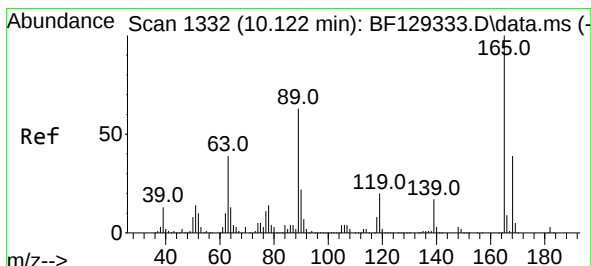
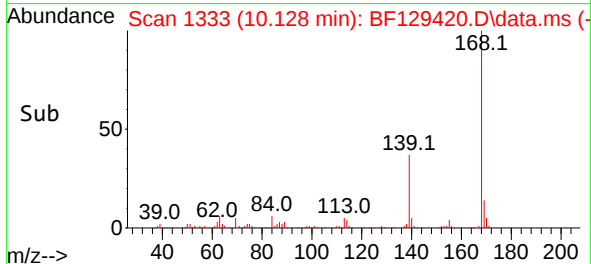
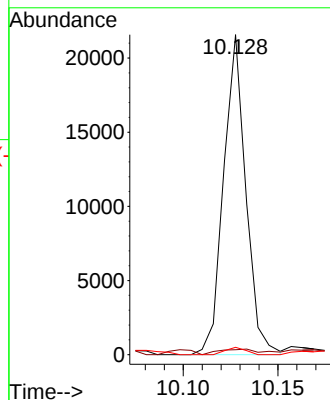
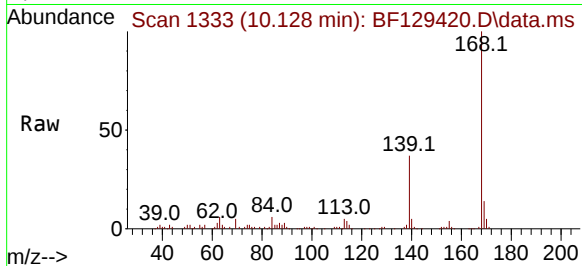




#56
4-Nitrophenol
Concen: 3.125 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

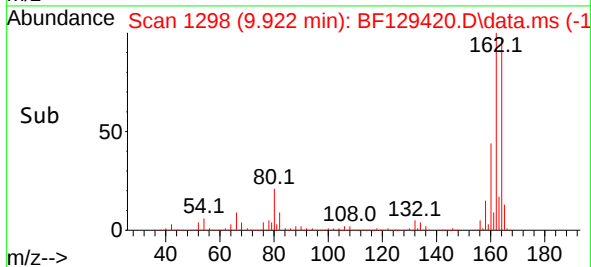
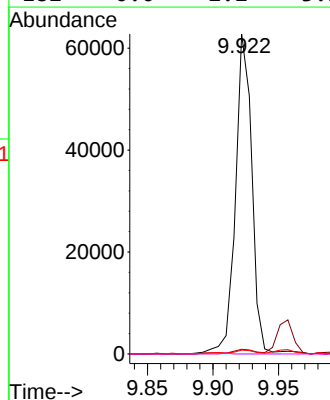
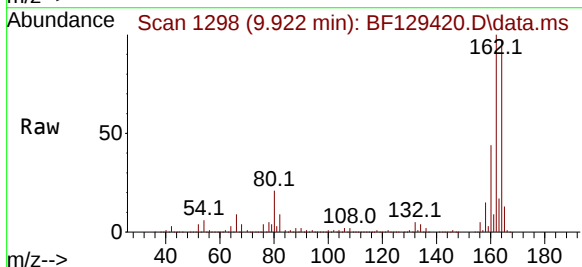
Instrument :
BNA_F
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72-11977

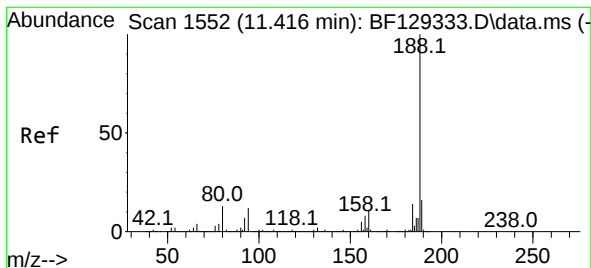
Tgt Ion:139 Resp: 17631
Ion Ratio Lower Upper
139 100
109 1.6 50.7 90.7#
65 2.3 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 6.448 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.200 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:165 Resp: 54561
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

Instrument :

BNA_F

ClientSampleId :

72-11977

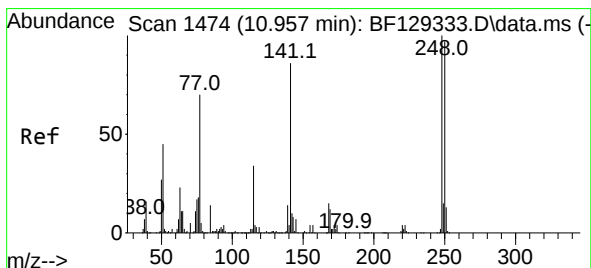
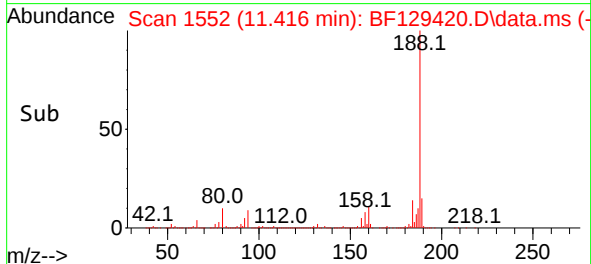
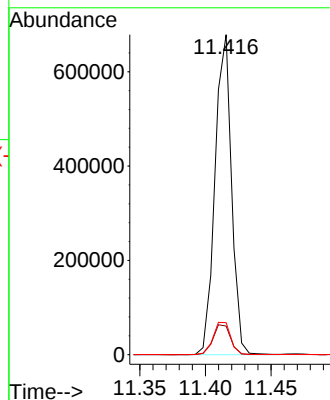
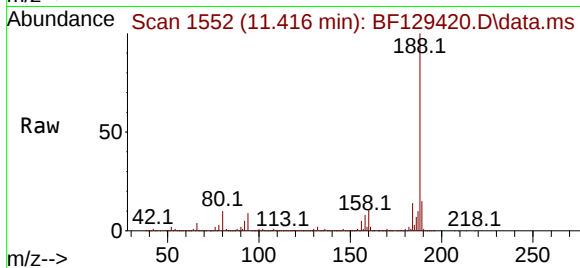
Tgt Ion:188 Resp: 594107

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 10.0 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.691 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.241 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

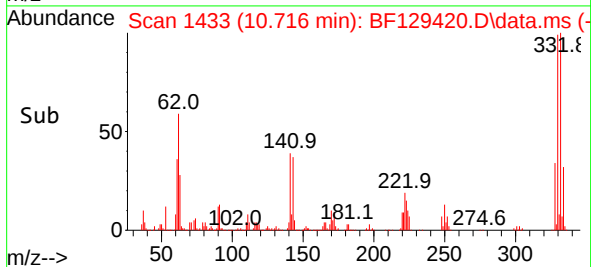
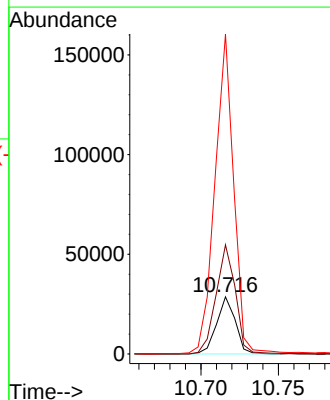
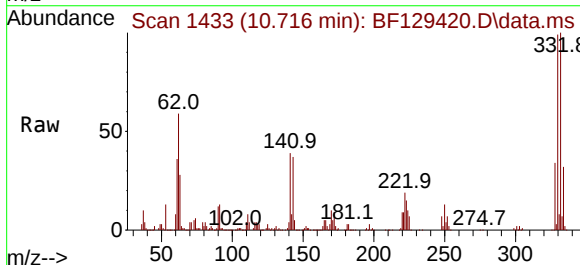
Tgt Ion:248 Resp: 24011

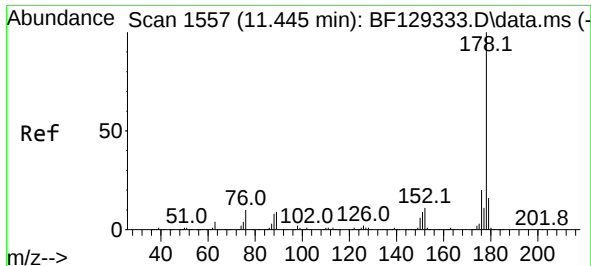
Ion Ratio Lower Upper

248 100

250 190.9 80.6 120.8#

141 560.0 58.9 88.3#

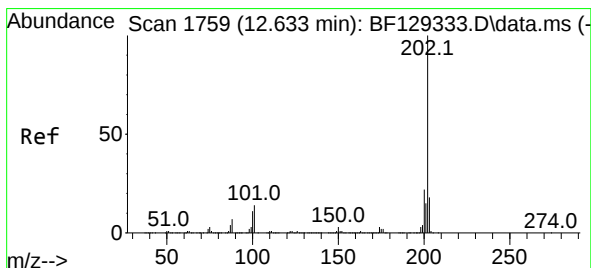
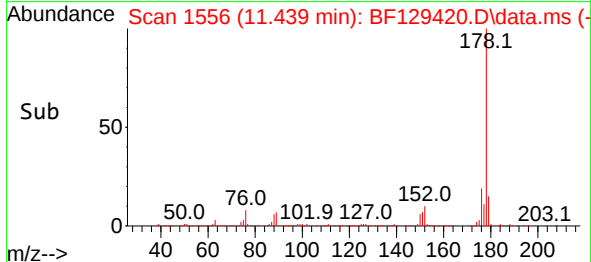
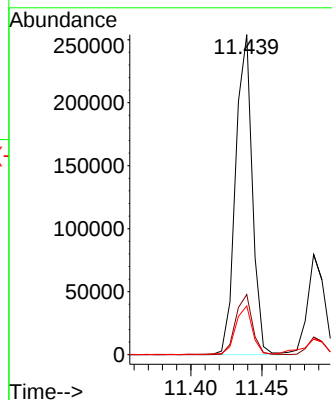
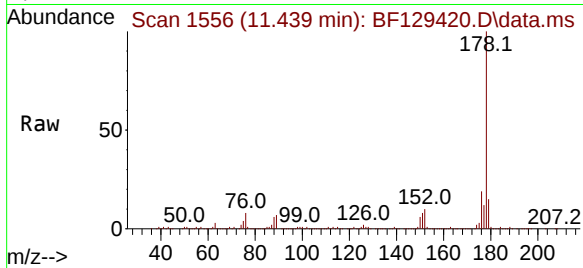




#71
Phenanthrene
Concen: 6.393 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

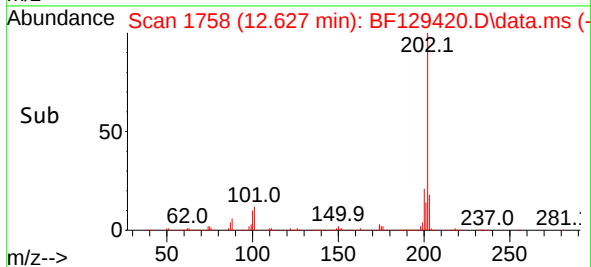
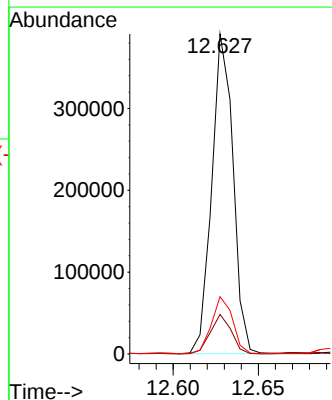
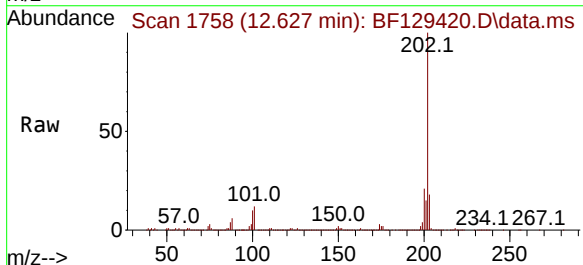
Instrument :
BNA_F
ClientSampleId :
72-11977

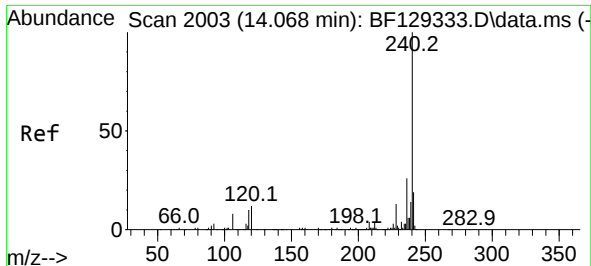
Tgt Ion:178 Resp: 207327
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.3 12.6 19.0



#75
Fluoranthene
Concen: 10.351 ng
RT: 12.627 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:202 Resp: 340137
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 17.9 0.0 38.0

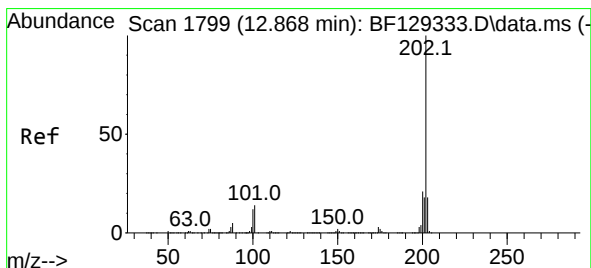
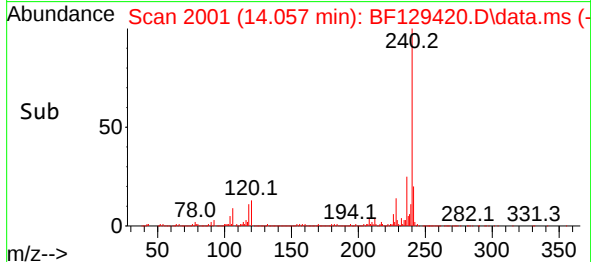
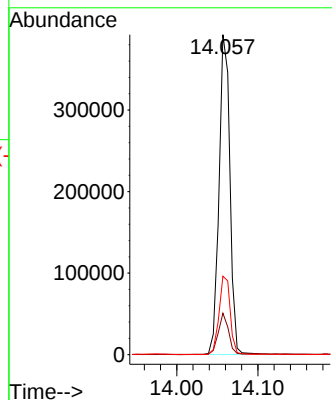
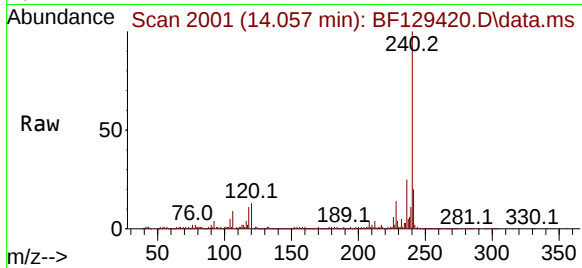




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

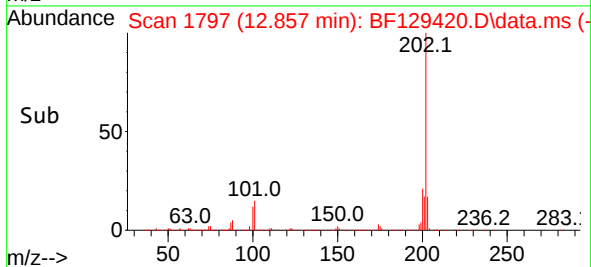
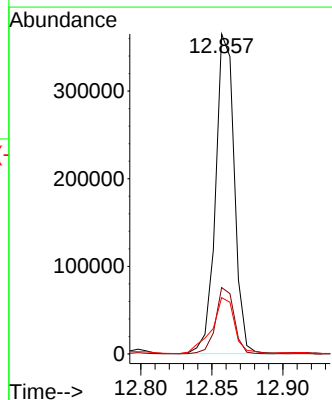
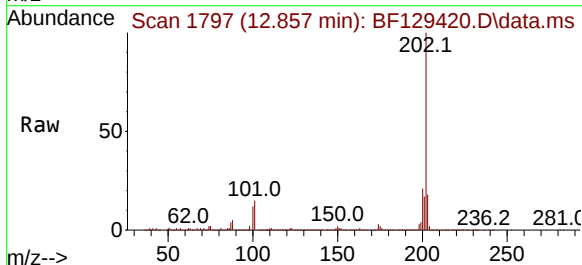
Instrument :
BNA_F
ClientSampleId :
72-11977

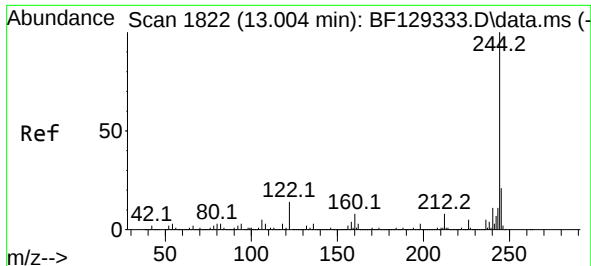
Tgt Ion:240 Resp: 365555
Ion Ratio Lower Upper
240 100
120 13.0 8.9 13.3
236 24.5 20.8 31.2



#78
Pyrene
Concen: 10.961 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.012 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:202 Resp: 335058
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.6 14.6 21.8

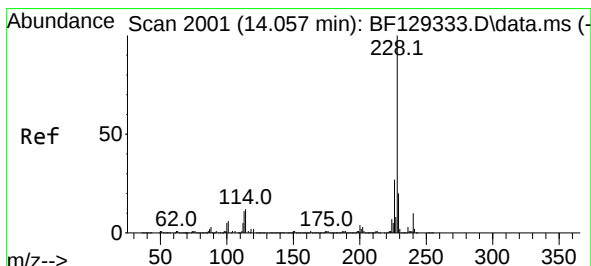
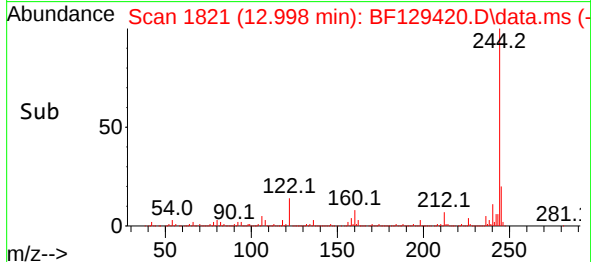
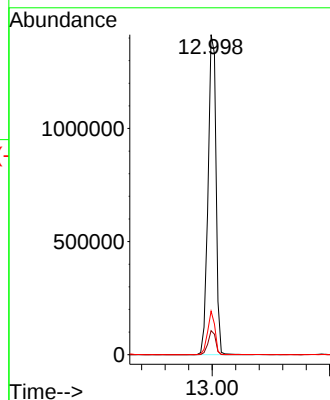
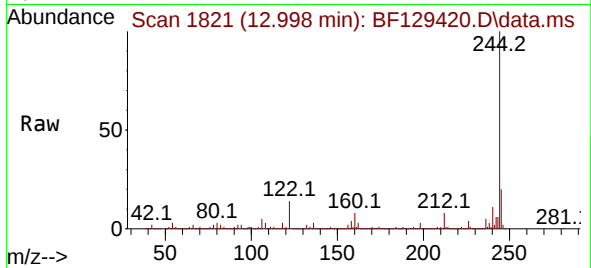




#79
 Terphenyl-d14
 Concen: 68.641 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129420.D
 Acq: 28 Jul 2022 21:24

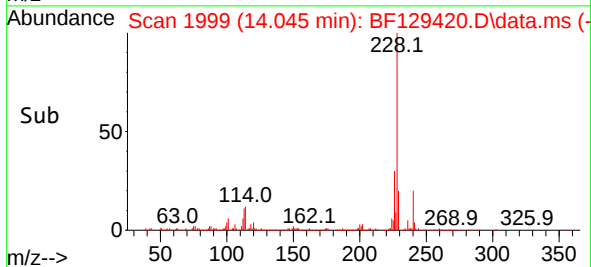
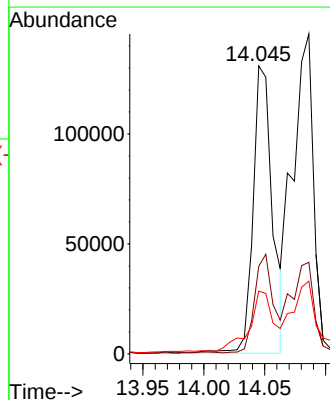
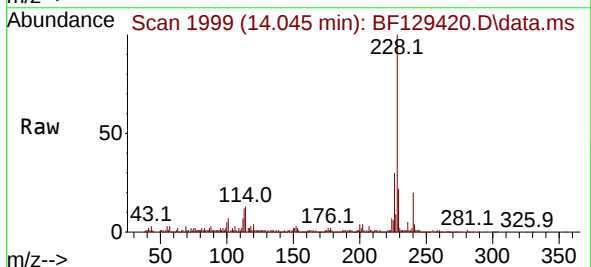
Instrument :
 BNA_F
 ClientSampleId :
 72-11977

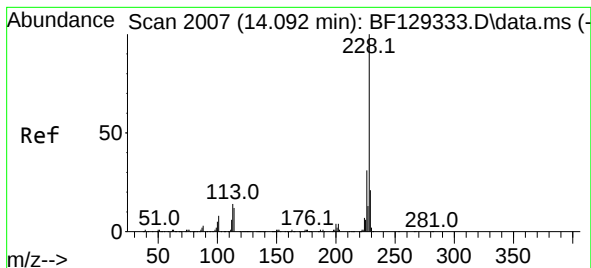
Tgt Ion:244 Resp: 1330021
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 13.6 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 5.807 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. -0.012 min
 Lab File: BF129420.D
 Acq: 28 Jul 2022 21:24

Tgt Ion:228 Resp: 145000
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.1 33.1
 229 21.8 15.8 23.8





#83

Chrysene

Concen: 7.362 ng

RT: 14.086 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

Instrument :

BNA_F

ClientSampleId :

72-11977

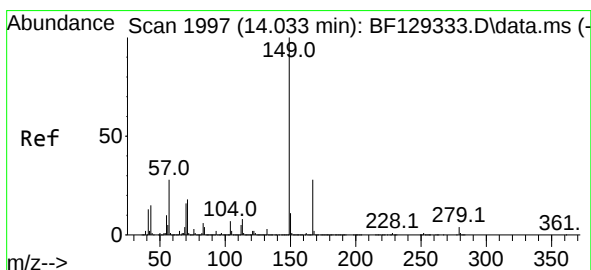
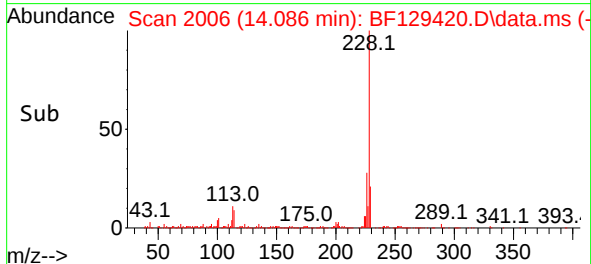
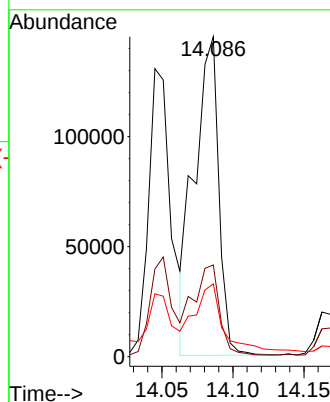
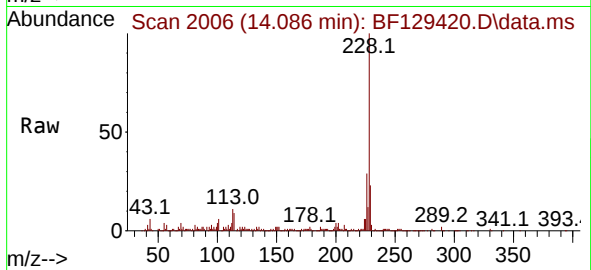
Tgt Ion:228 Resp: 173258

Ion Ratio Lower Upper

228 100

226 28.7 24.3 36.5

229 22.8 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.421 ng

RT: 14.027 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

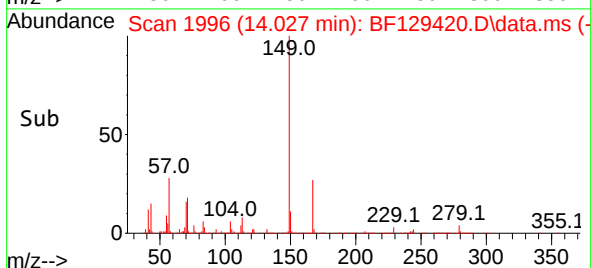
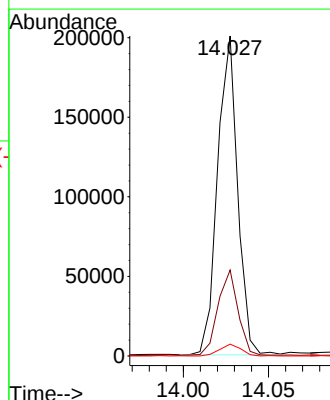
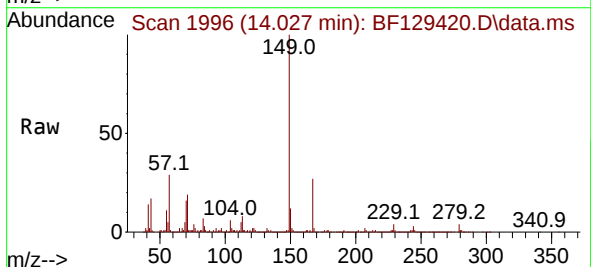
Tgt Ion:149 Resp: 164446

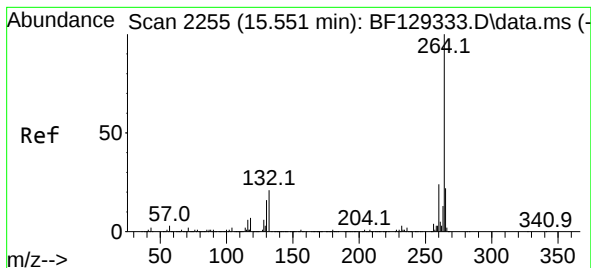
Ion Ratio Lower Upper

149 100

167 26.8 21.0 31.4

279 3.7 3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

Instrument :

BNA_F

ClientSampleId :

72-11977

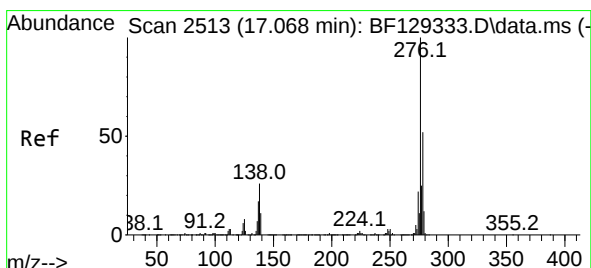
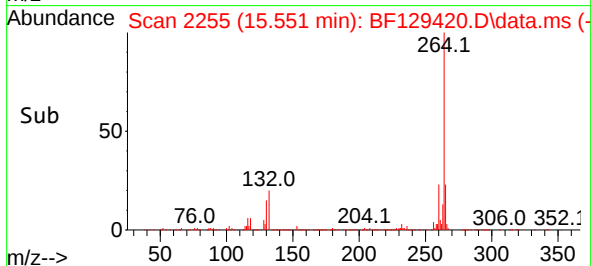
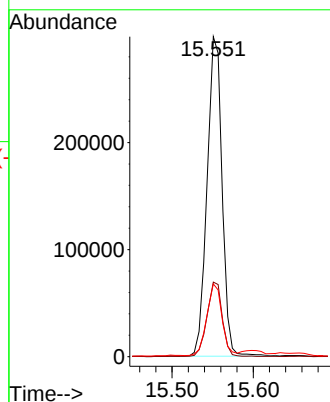
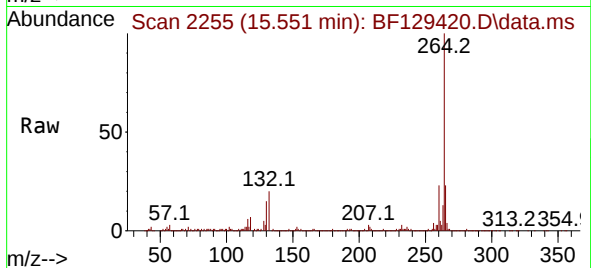
Tgt Ion:264 Resp: 382260

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 22.8 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.227 ng

RT: 17.051 min Scan# 2510

Delta R.T. -0.017 min

Lab File: BF129420.D

Acq: 28 Jul 2022 21:24

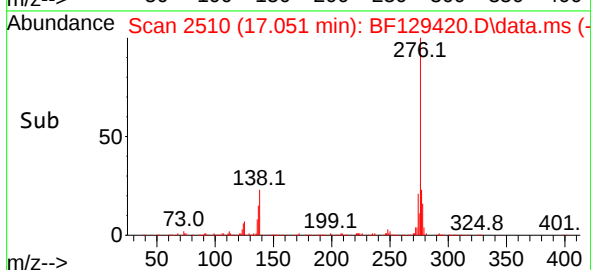
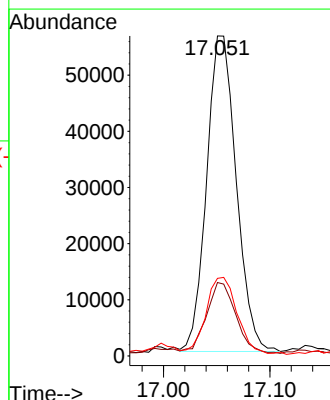
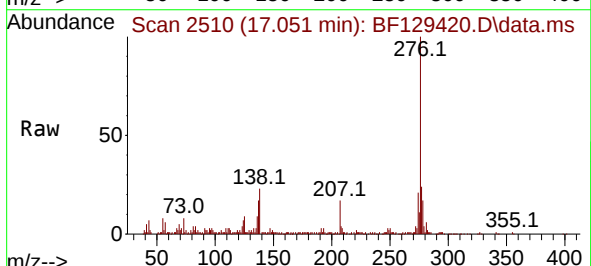
Tgt Ion:276 Resp: 108807

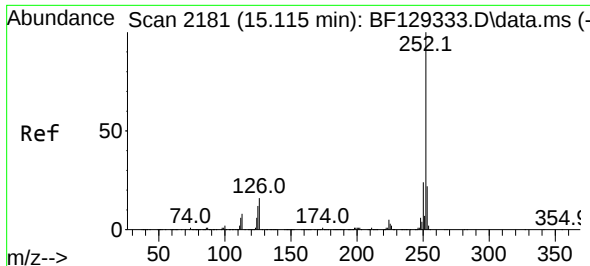
Ion Ratio Lower Upper

276 100

138 22.4 21.1 31.7

277 25.8 20.3 30.5

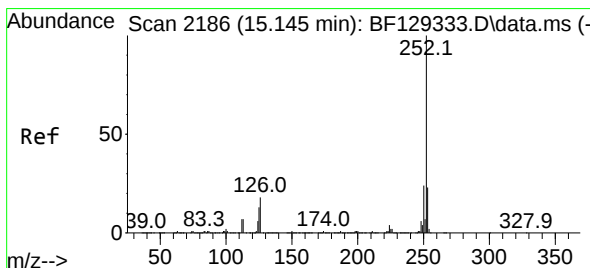
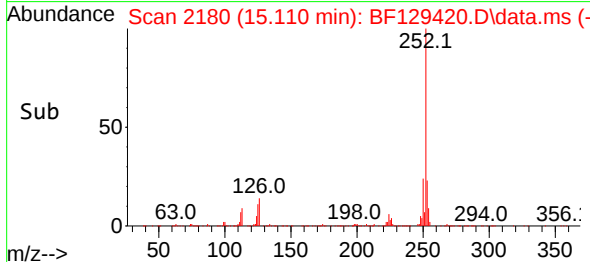
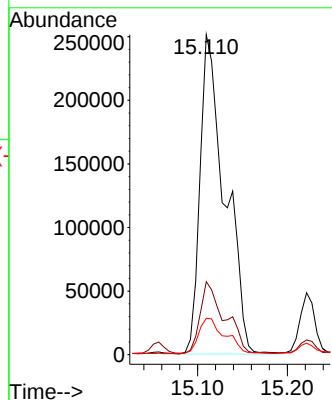
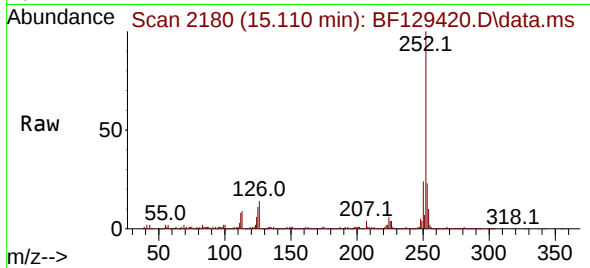




#88
Benzo(b)fluoranthene
Concen: 19.154 ng
RT: 15.110 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

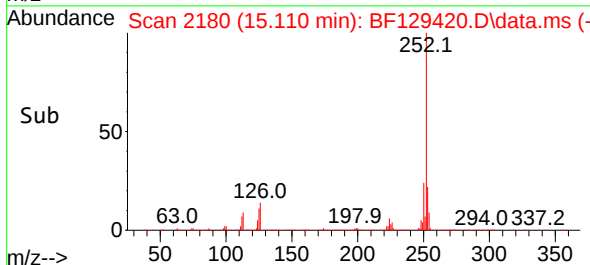
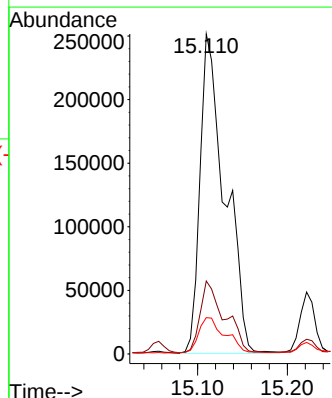
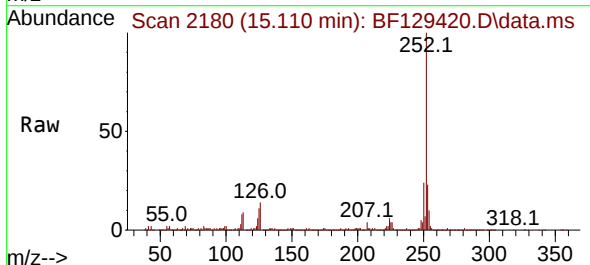
Instrument :
BNA_F
ClientSampleId :
72-11977

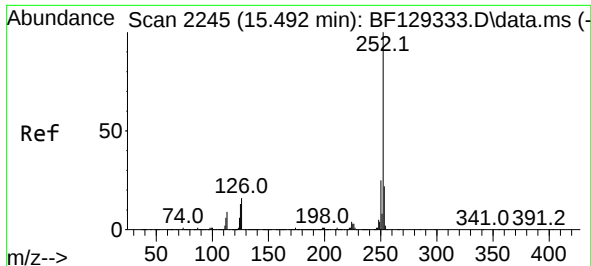
Tgt Ion:252 Resp: 485669
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 11.4 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 19.545 ng
RT: 15.110 min Scan# 2180
Delta R.T. -0.035 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:252 Resp: 485669
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.4 8.3 12.5

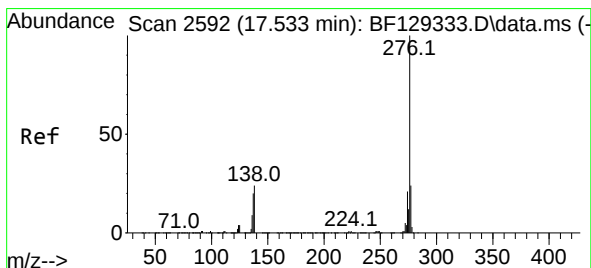
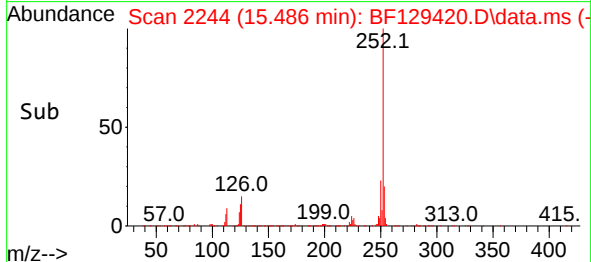
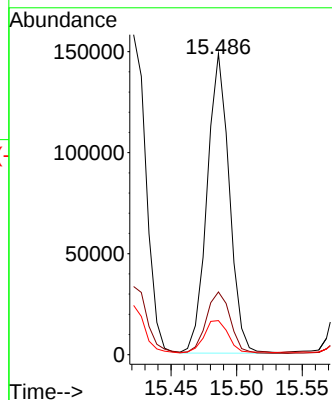
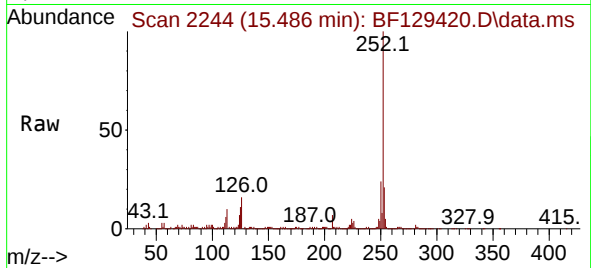




#90
Benzo(a)pyrene
Concen: 8.491 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Instrument :
BNA_F
ClientSampleId :
72-11977

Tgt Ion:252 Resp: 174779
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 11.3 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 4.423 ng
RT: 17.515 min Scan# 2589
Delta R.T. -0.017 min
Lab File: BF129420.D
Acq: 28 Jul 2022 21:24

Tgt Ion:276 Resp: 94691
Ion Ratio Lower Upper
276 100
277 22.8 19.1 28.7
138 22.0 18.0 27.0

