

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129488.D
 Acq On : 01 Aug 2022 23:06
 Operator : CG\JU
 Sample : N3973-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11940

Quant Time: Aug 02 01:18:49 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)

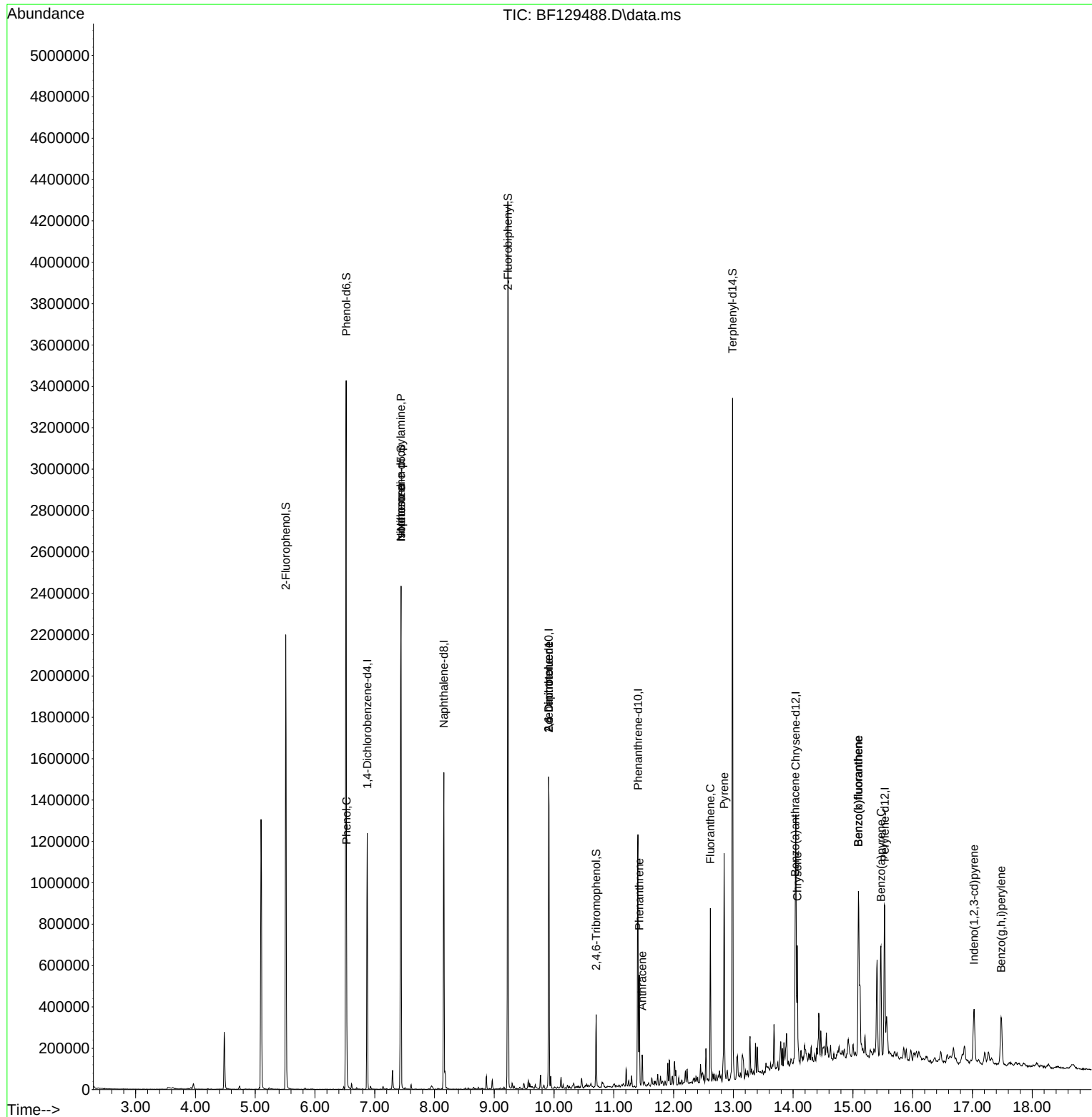
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	168292	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	649646	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	316346	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	438528	20.000	ng	0.00
76) Chrysene-d12	14.045	240	321250	20.000	ng	0.00
86) Perylene-d12	15.533	264	349066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	568843	55.062	ng	0.00
7) Phenol-d6	6.522	99	1083529	83.442	ng	0.00
23) Nitrobenzene-d5	7.440	82	755916	63.518	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	36165	11.891	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1344249	65.735	ng	0.00
79) Terphenyl-d14	12.986	244	1030287	60.505	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.528	94	73981	5.350	ng	91
19) n-Nitroso-di-n-propyla...	7.440	70	99224	12.622	ng	# 72
25) Isophorone	7.440	82	755908	35.435	ng	# 65
51) 2,6-Dinitrotoluene	9.910	165	40991	8.386	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	40991	6.420	ng	# 21
71) Phenanthrene	11.428	178	197155	8.236	ng	98
72) Anthracene	11.475	178	55265	2.349	ng	99
75) Fluoranthene	12.616	202	284168	11.716	ng	100
78) Pyrene	12.845	202	402704	14.991	ng	98
81) Benzo(a)anthracene	14.033	228	227057	10.347	ng	99
83) Chrysene	14.069	228	216782	10.482	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	169688	7.219	ng	95
88) Benzo(b)fluoranthene	15.092	252	510646	22.054	ng	98
89) Benzo(k)fluoranthene	15.092	252	510646	22.505	ng	98
90) Benzo(a)pyrene	15.468	252	252749	13.447	ng	98
92) Benzo(g,h,i)perylene	17.480	276	182944	9.358	ng	99

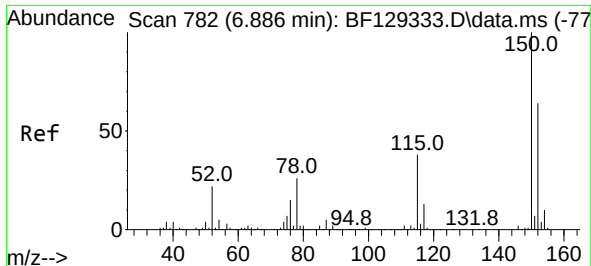
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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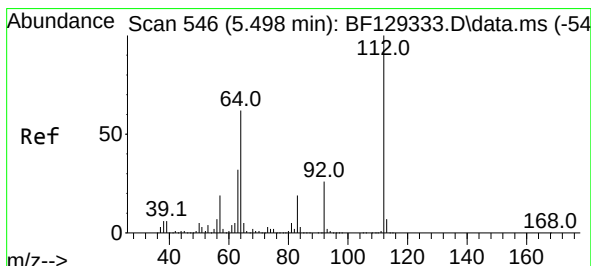
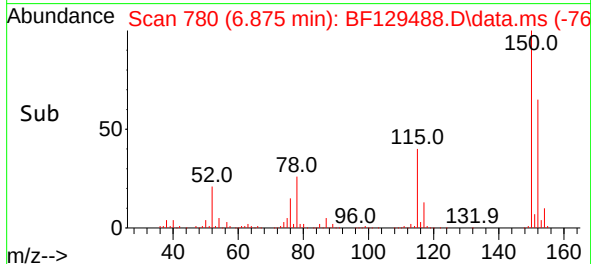
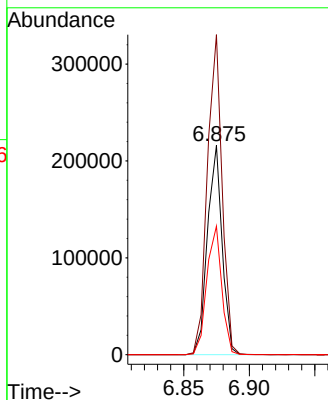
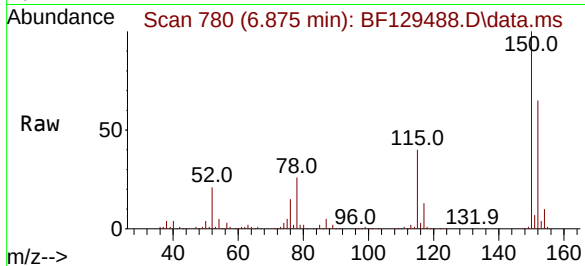




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129488.D
 Acq: 01 Aug 2022 23:06

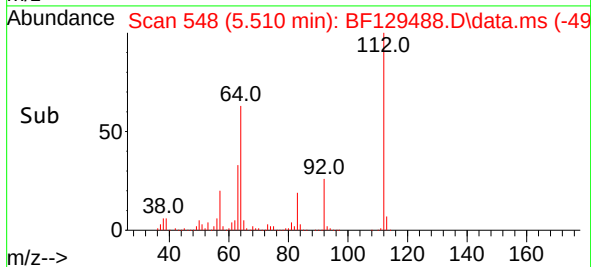
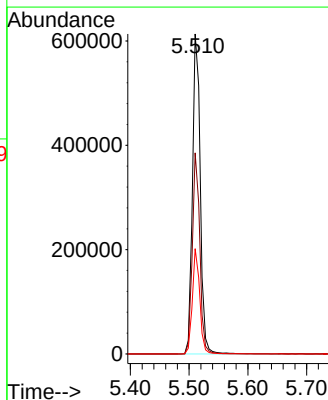
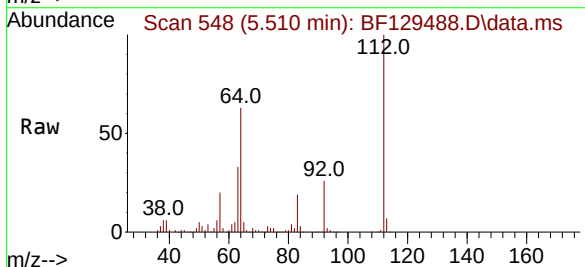
Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11940

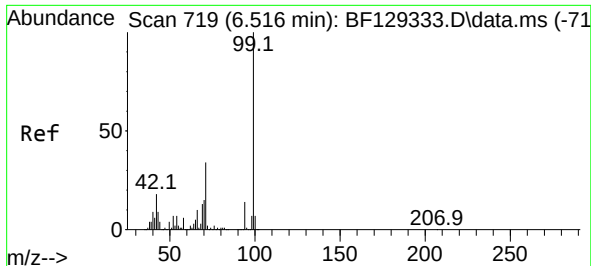
Tgt Ion:152 Resp: 168292
 Ion Ratio Lower Upper
 152 100
 150 152.9 123.7 185.5
 115 61.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 55.062 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.006 min
 Lab File: BF129488.D
 Acq: 01 Aug 2022 23:06

Tgt Ion:112 Resp: 568843
 Ion Ratio Lower Upper
 112 100
 64 62.8 53.3 79.9
 63 32.9 28.0 42.0

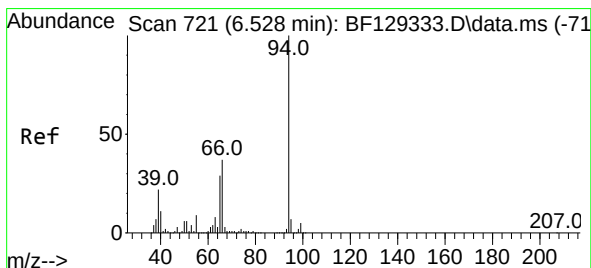
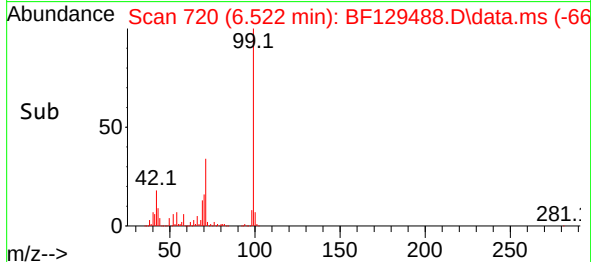
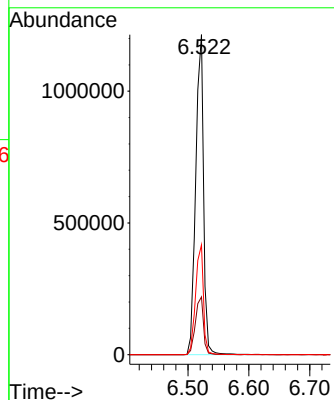
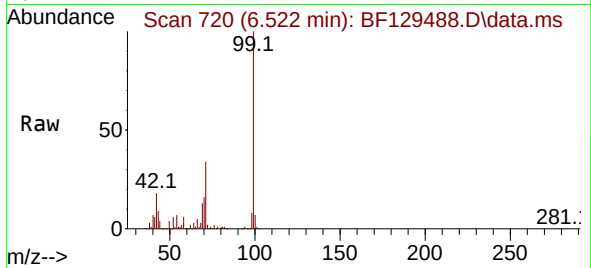




#7
Phenol-d6
Concen: 83.442 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

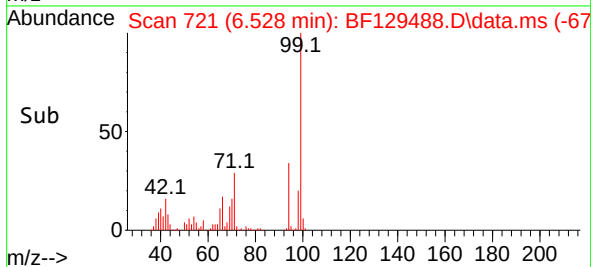
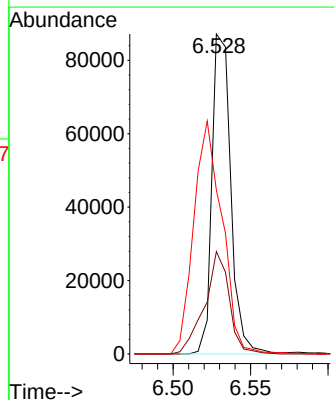
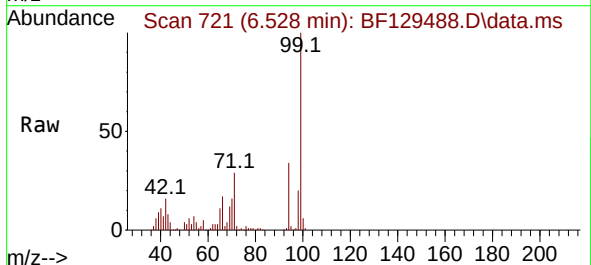
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

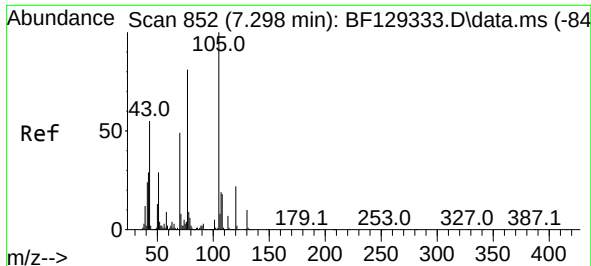
Tgt Ion: 99 Resp: 1083529
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 34.3 28.9 43.3



#10
Phenol
Concen: 5.350 ng
RT: 6.528 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion: 94 Resp: 73981
Ion Ratio Lower Upper
94 100
65 32.0 11.4 51.4
66 51.3 21.4 61.4

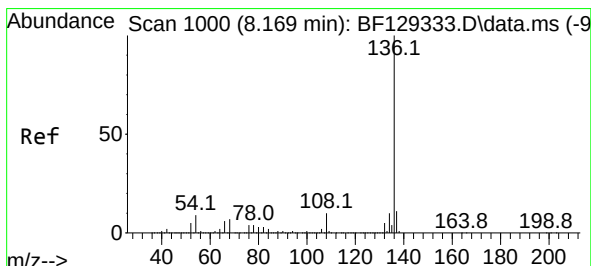
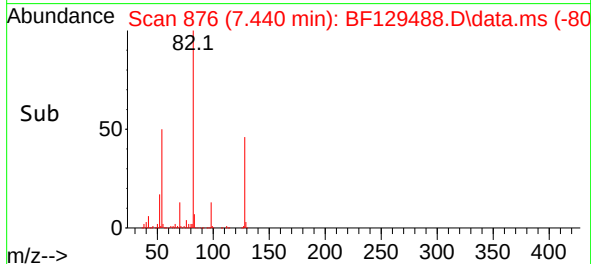
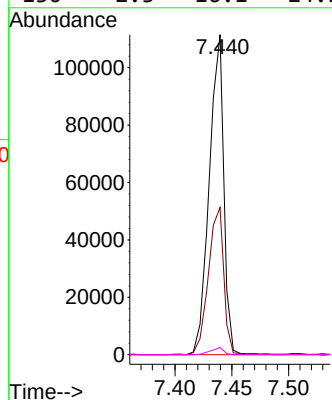
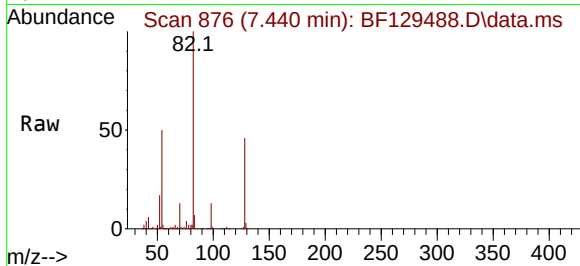




#19
n-Nitroso-di-n-propylamine
Concen: 12.622 ng
RT: 7.440 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

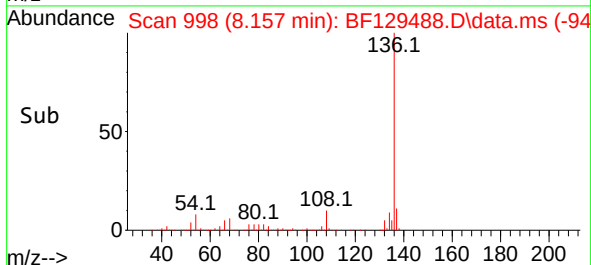
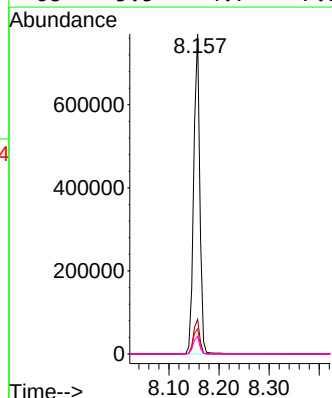
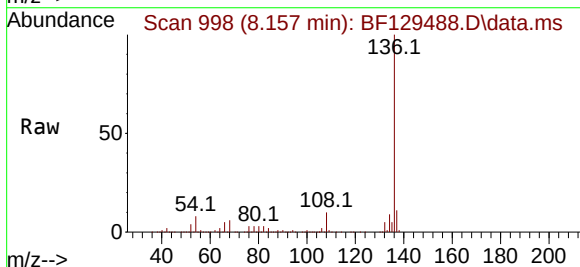
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

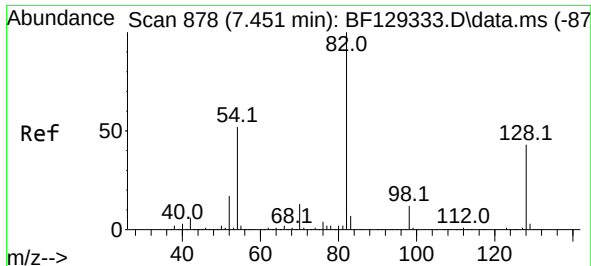
Tgt Ion:	70	Resp:	99224
Ion	Ratio	Lower	Upper
70	100		
42	46.0	52.3	78.5#
101	0.0	7.5	11.3#
130	2.3	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:	136	Resp:	649646
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.8	7.5	11.3
68	5.5	4.7	7.1

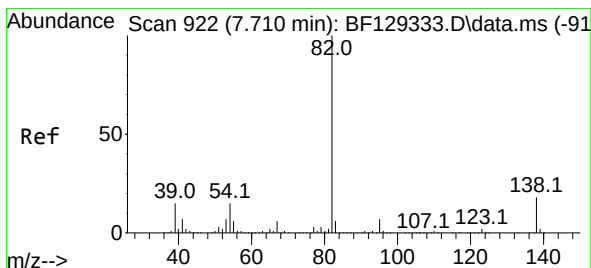
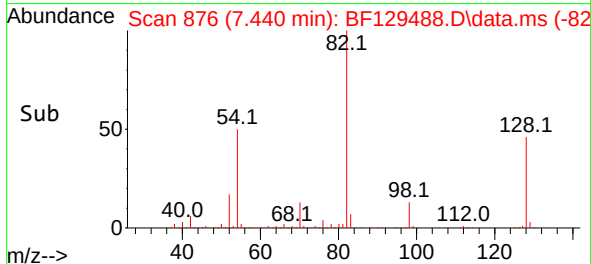
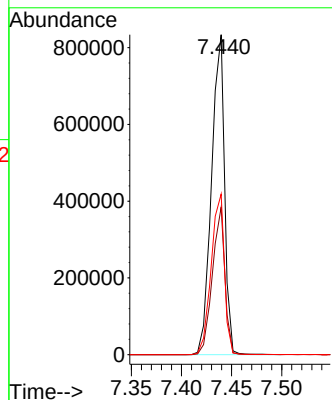
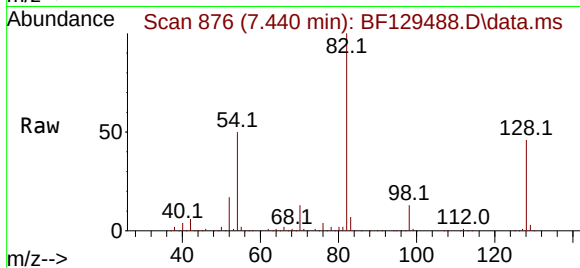




#23
Nitrobenzene-d5
Concen: 63.518 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

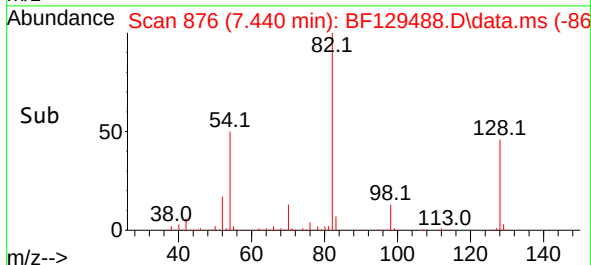
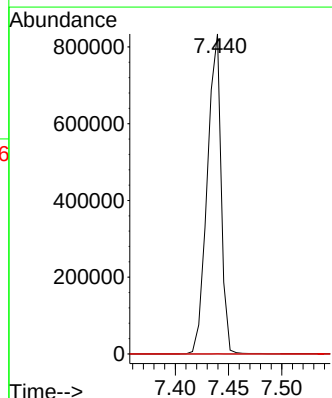
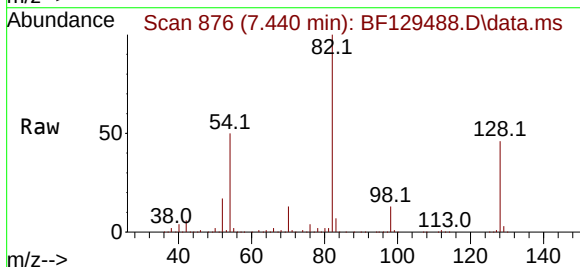
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

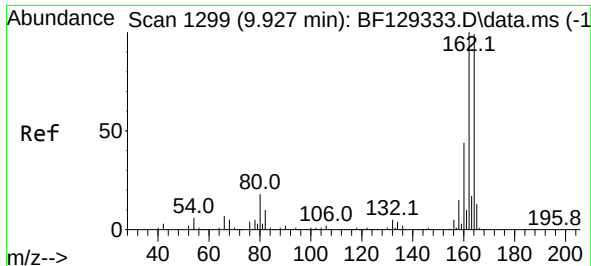
Tgt Ion: 82 Resp: 755916
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 50.2 46.9 70.3



#25
Isophorone
Concen: 35.435 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.259 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion: 82 Resp: 755908
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: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

Instrument :

BNA_F

ClientSampleId :

RO-72-11940

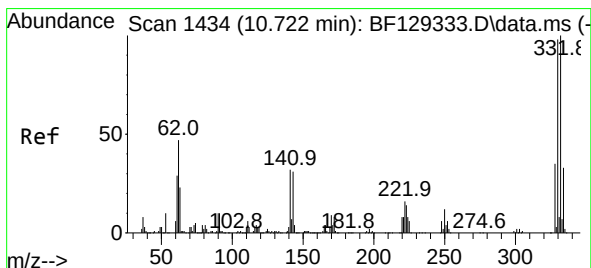
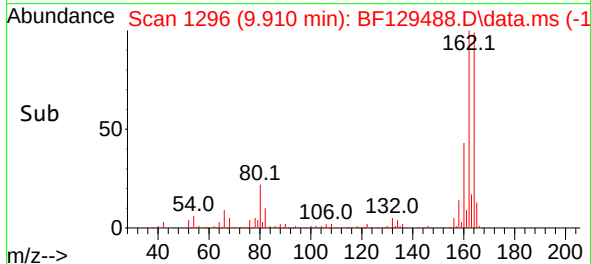
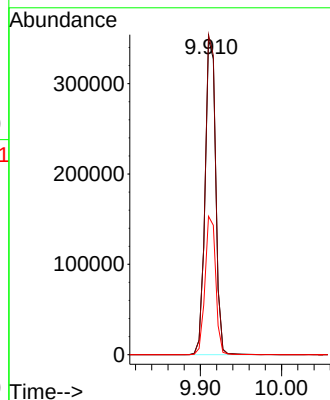
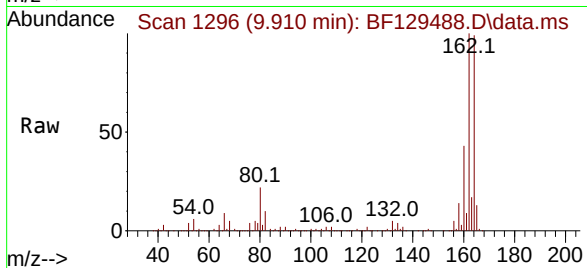
Tgt Ion:164 Resp: 316346

Ion Ratio Lower Upper

164 100

162 101.4 79.5 119.3

160 43.8 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 11.891 ng

RT: 10.704 min Scan# 1431

Delta R.T. -0.006 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

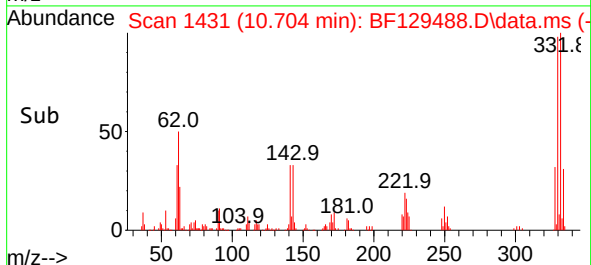
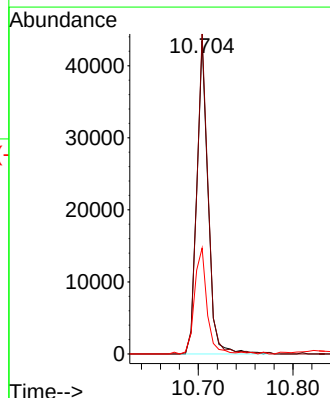
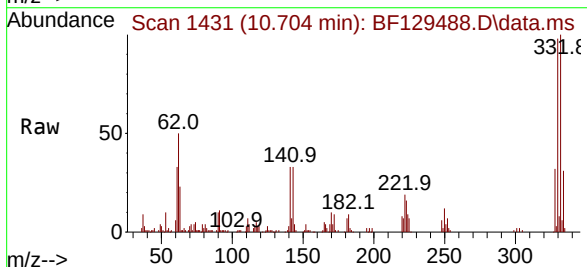
Tgt Ion:330 Resp: 36165

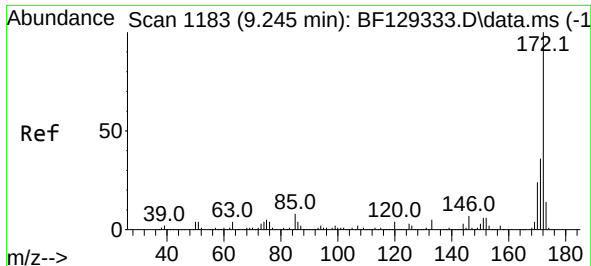
Ion Ratio Lower Upper

330 100

332 100.9 76.8 115.2

141 37.1 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 65.735 ng

RT: 9.228 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

Instrument :

BNA_F

ClientSampleId :

RO-72-11940

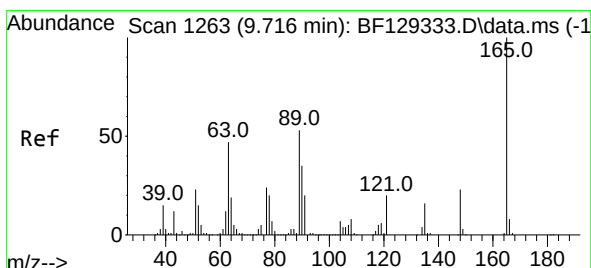
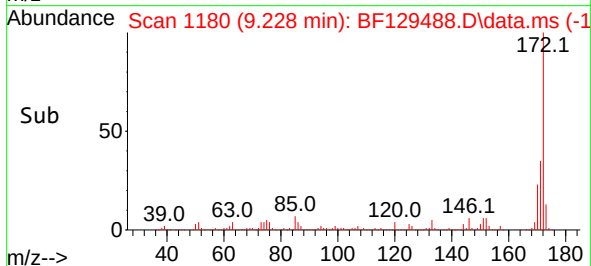
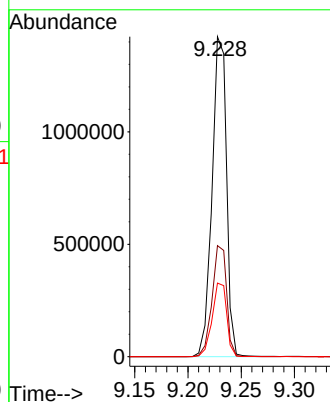
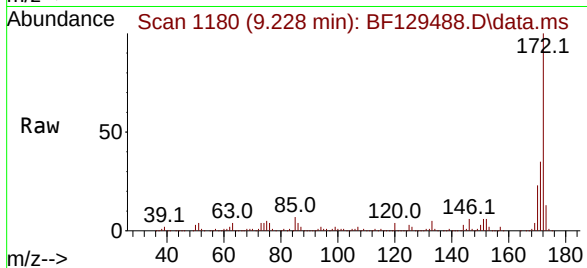
Tgt Ion:172 Resp: 1344249

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.0 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 8.386 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

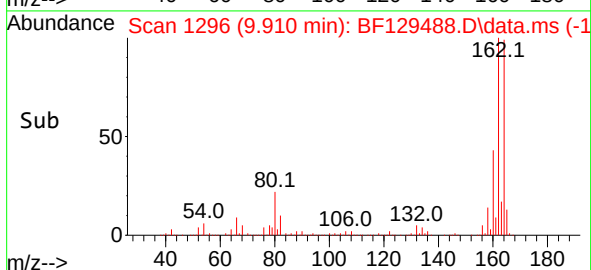
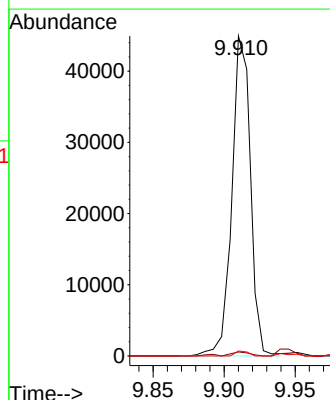
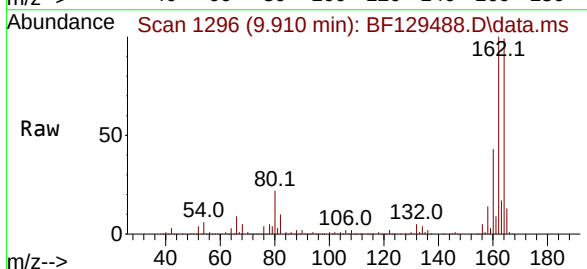
Tgt Ion:165 Resp: 40991

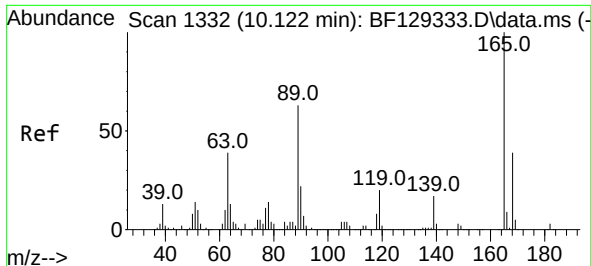
Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.6 43.6 65.4#

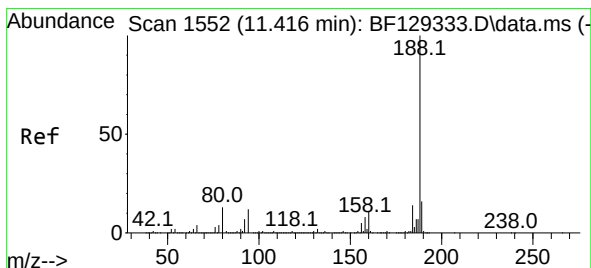
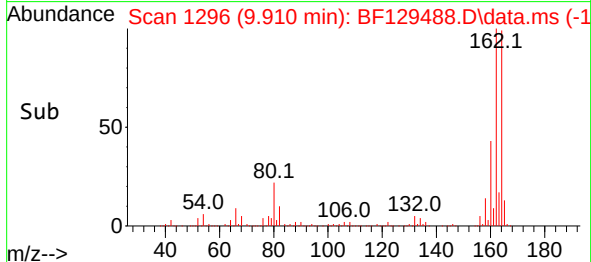
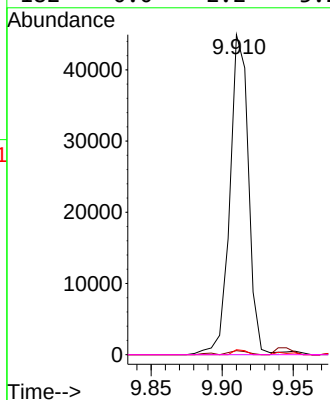
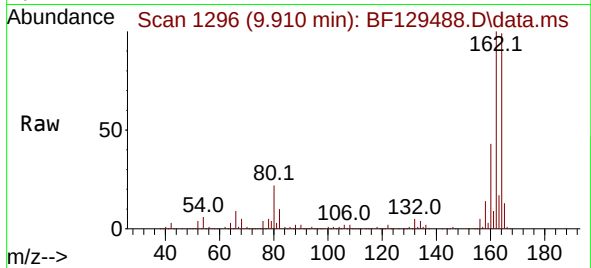




#57
2,4-Dinitrotoluene
Concen: 6.420 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

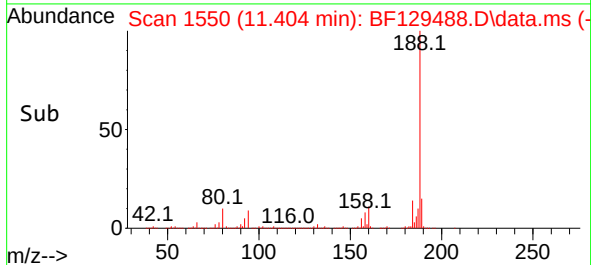
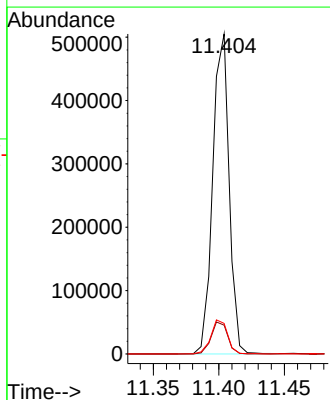
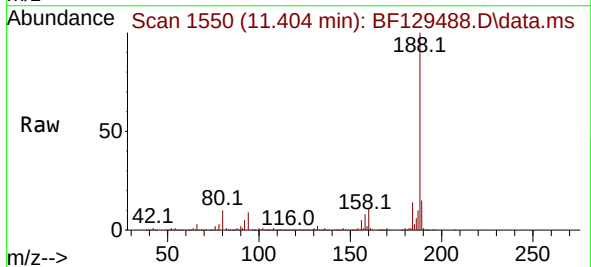
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

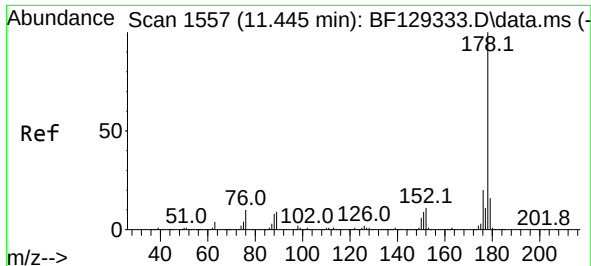
Tgt Ion:165	Resp:	40991
Ion Ratio	Lower	Upper
165	100	
63	1.2	39.8 59.6#
89	1.6	60.2 90.2#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:188	Resp:	438528
Ion Ratio	Lower	Upper
188	100	
94	9.0	7.0 10.6
80	9.5	7.6 11.4

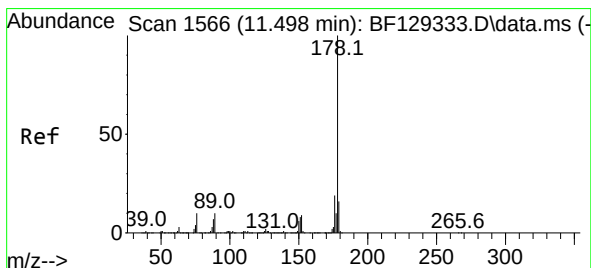
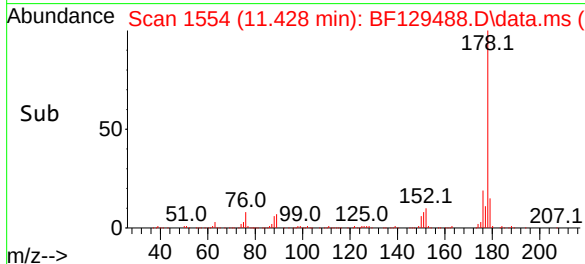
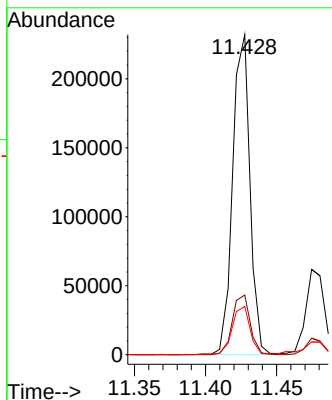
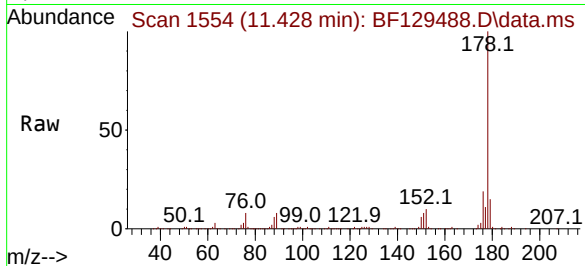




#71
Phenanthrene
Concen: 8.236 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

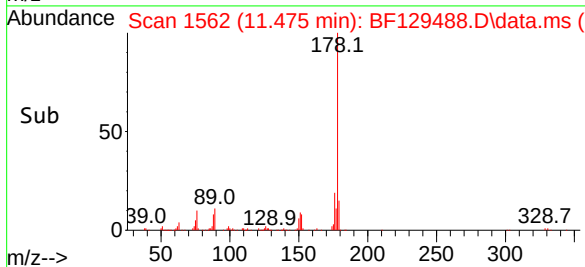
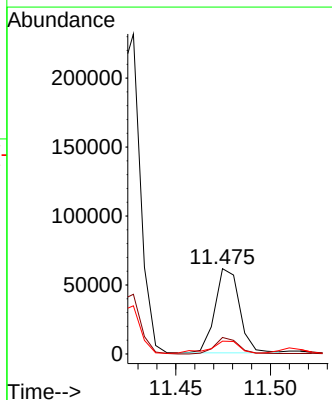
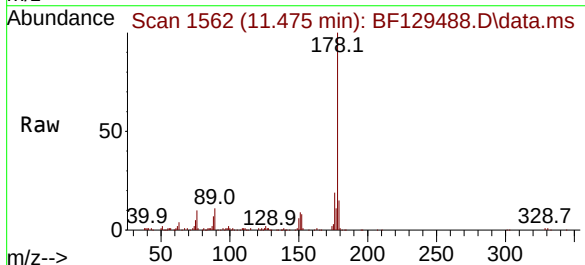
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

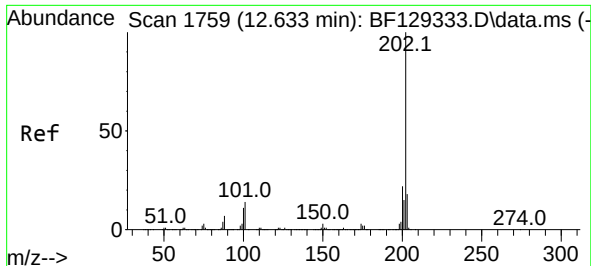
Tgt Ion:178 Resp: 197155
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 2.349 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:178 Resp: 55265
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.0 12.6 19.0

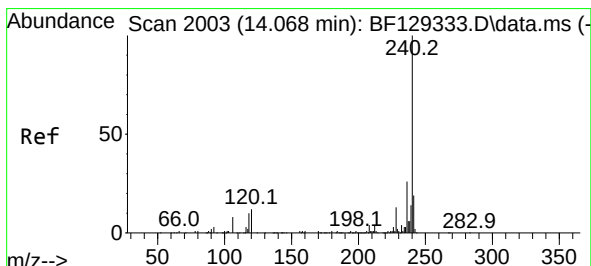
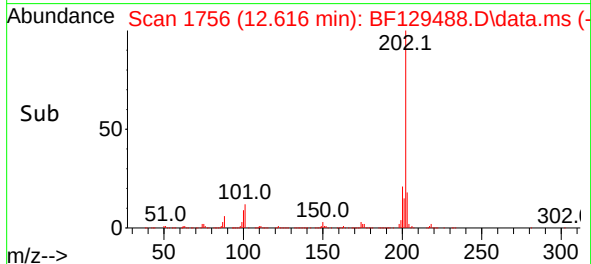
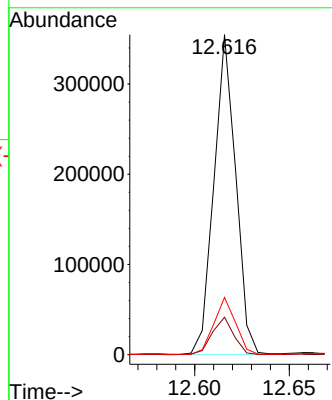
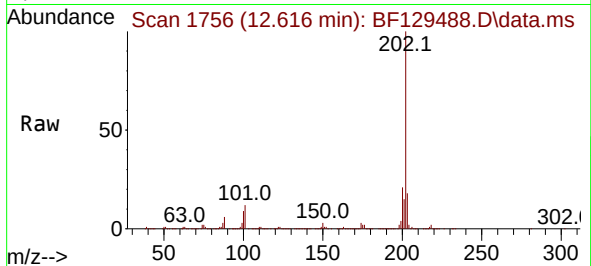




#75
Fluoranthene
Concen: 11.716 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

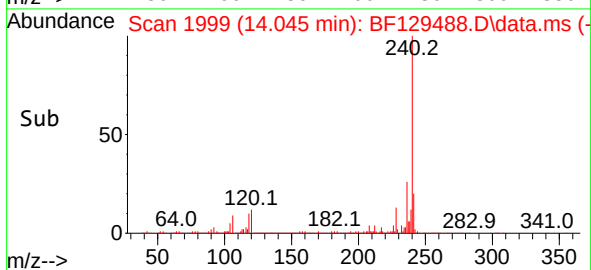
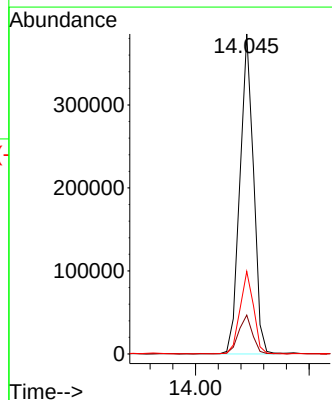
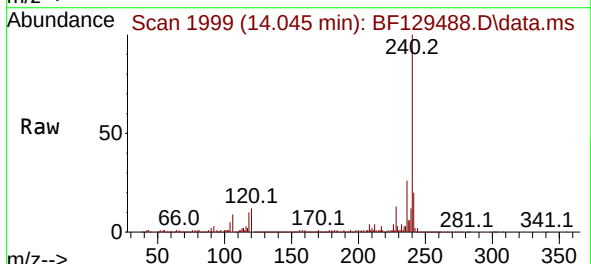
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

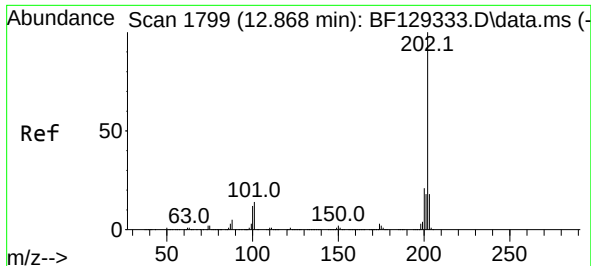
Tgt Ion:202 Resp: 284168
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 17.9 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:240 Resp: 321250
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 25.8 20.8 31.2

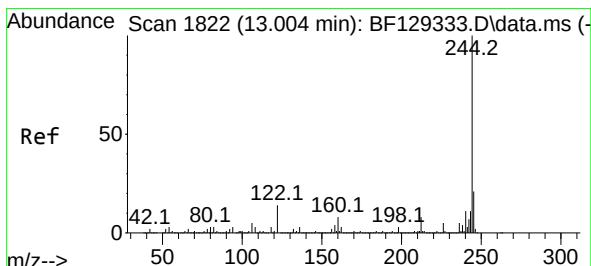
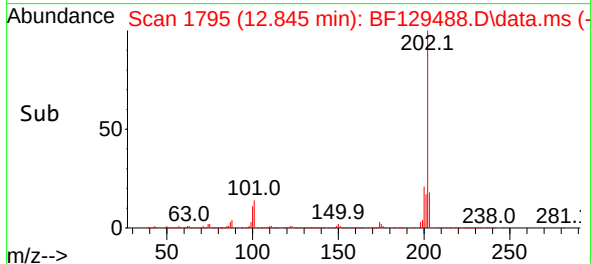
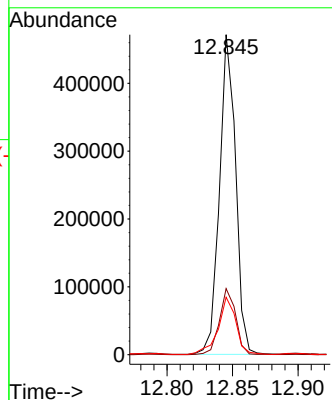
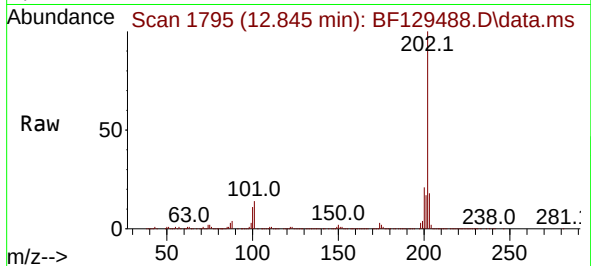




#78
Pyrene
Concen: 14.991 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

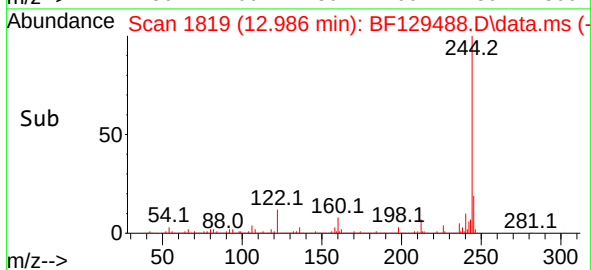
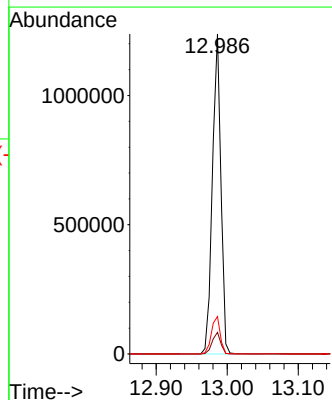
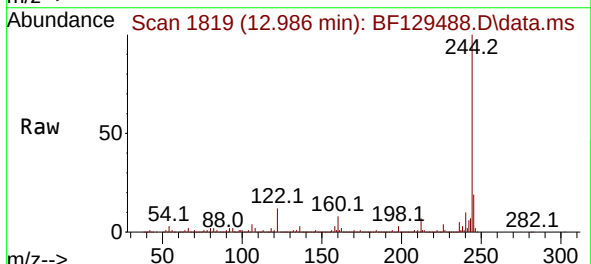
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

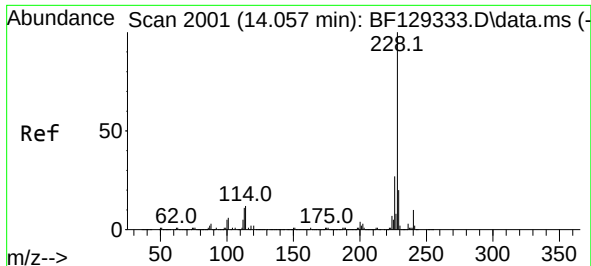
Tgt Ion:202 Resp: 402704
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 60.505 ng
RT: 12.986 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:244 Resp: 1030287
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 11.7 8.8 13.2

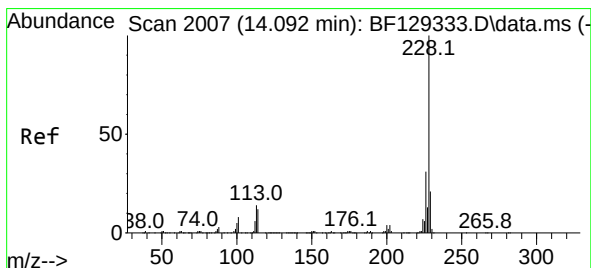
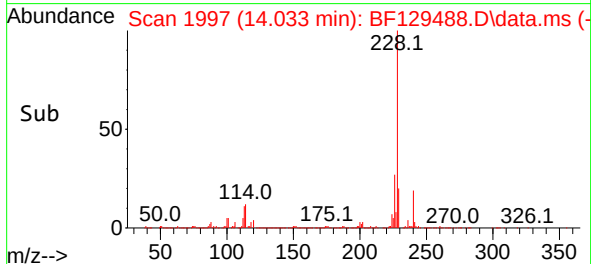
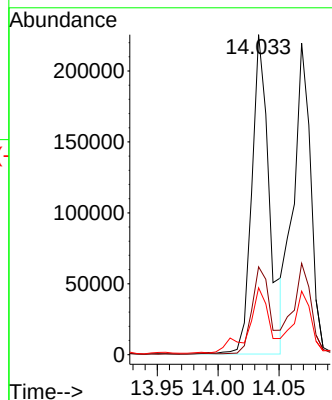
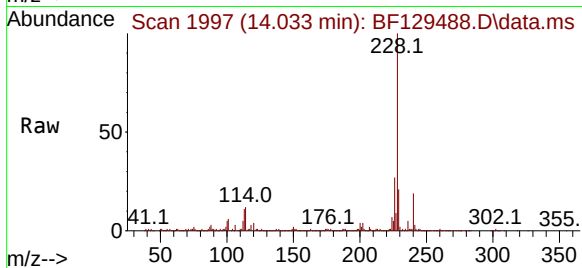




#81
Benzo(a)anthracene
Concen: 10.347 ng
RT: 14.033 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

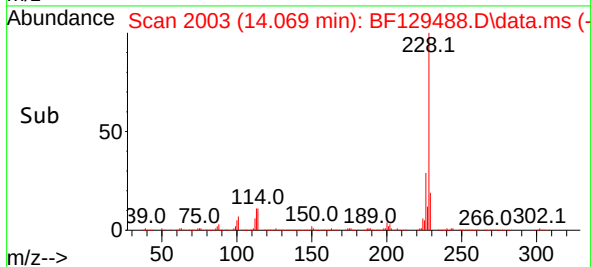
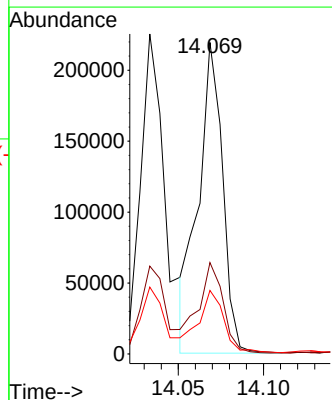
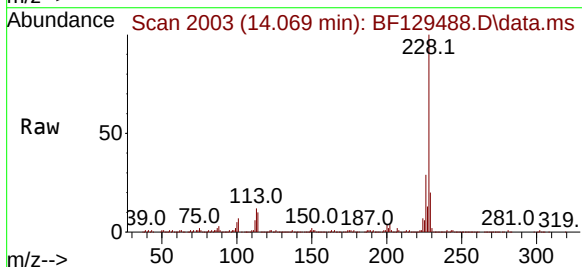
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

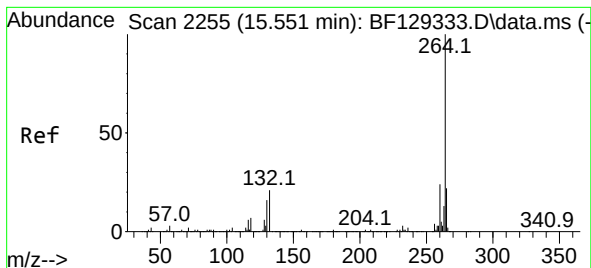
Tgt Ion:228 Resp: 227057
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 20.9 15.8 23.8



#83
Chrysene
Concen: 10.482 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:228 Resp: 216782
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 20.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

Instrument :

BNA_F

ClientSampleId :

RO-72-11940

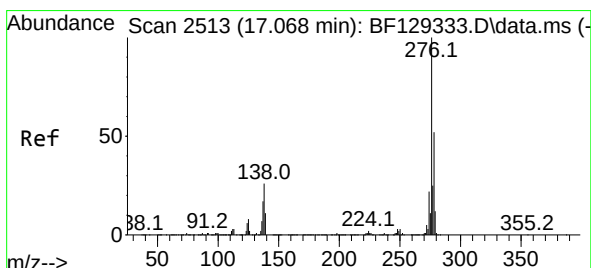
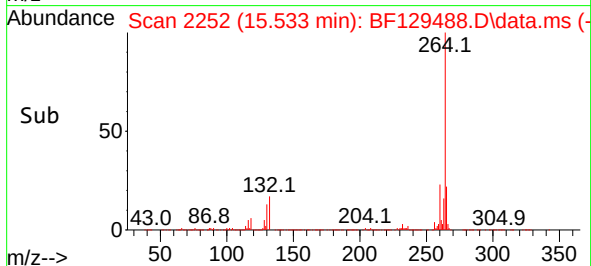
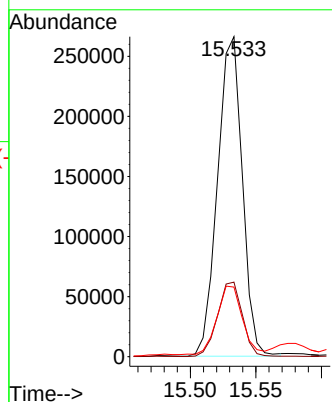
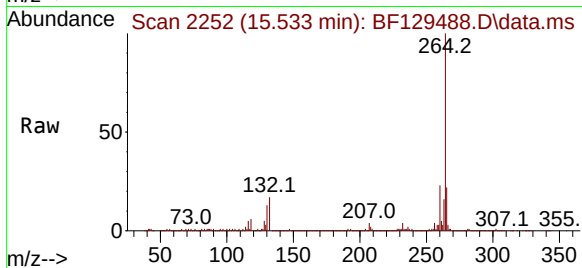
Tgt Ion:264 Resp: 349066

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 21.7 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.219 ng

RT: 17.027 min Scan# 2506

Delta R.T. -0.006 min

Lab File: BF129488.D

Acq: 01 Aug 2022 23:06

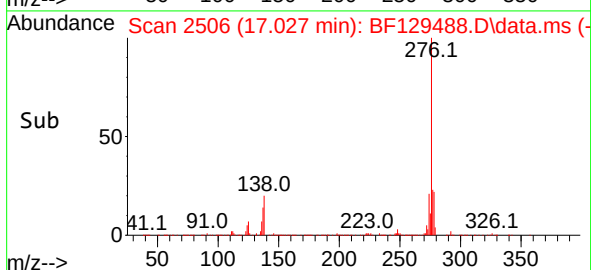
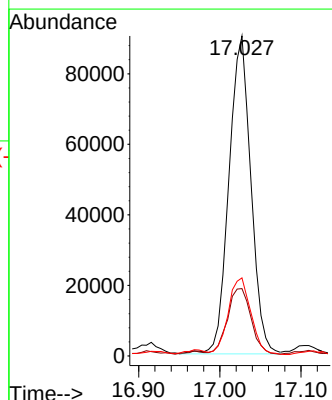
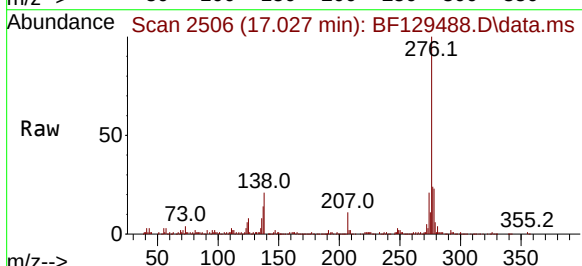
Tgt Ion:276 Resp: 169688

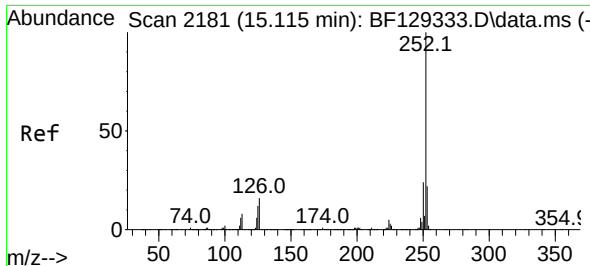
Ion Ratio Lower Upper

276 100

138 22.2 21.1 31.7

277 24.8 20.3 30.5

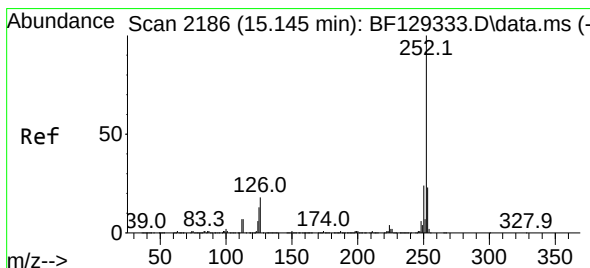
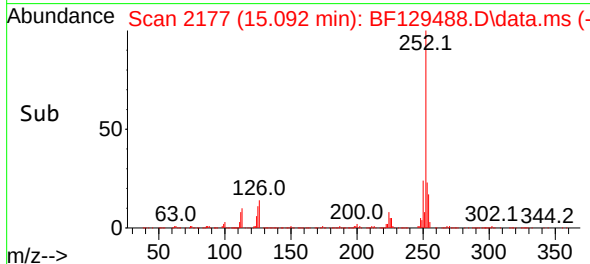
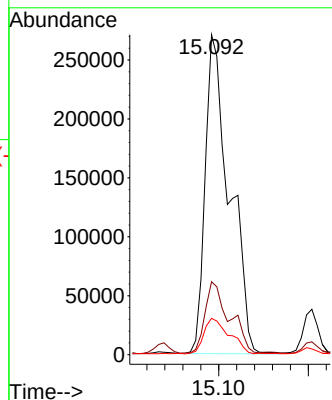
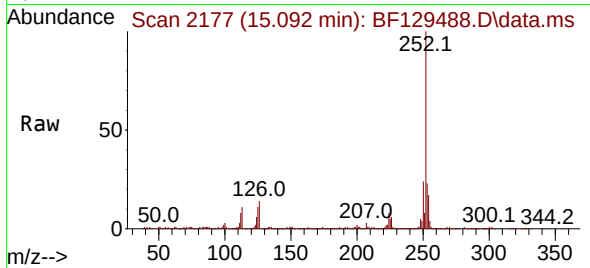




#88
Benzo(b)fluoranthene
Concen: 22.054 ng
RT: 15.092 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

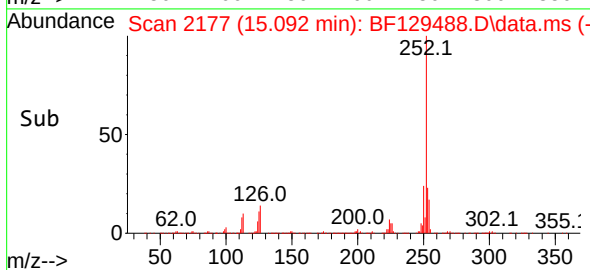
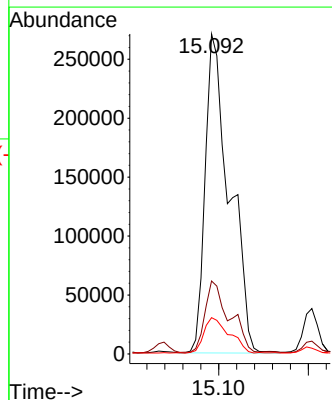
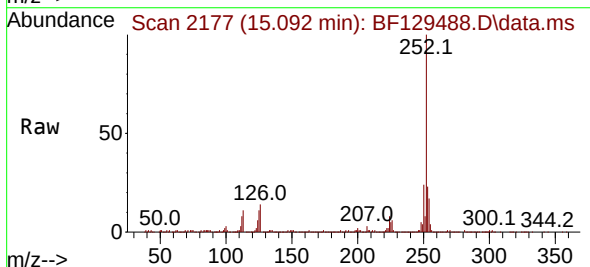
Instrument :
BNA_F
ClientSampleId :
RO-72-11940

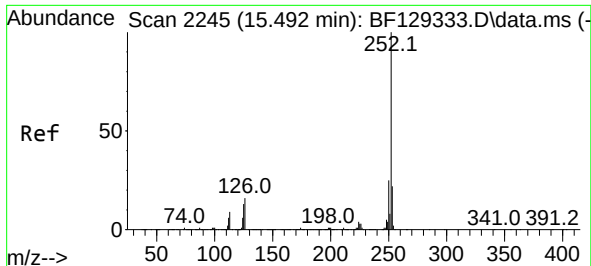
Tgt Ion:252 Resp: 510646
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 11.3 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 22.505 ng
RT: 15.092 min Scan# 2177
Delta R.T. -0.029 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:252 Resp: 510646
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.3 8.3 12.5

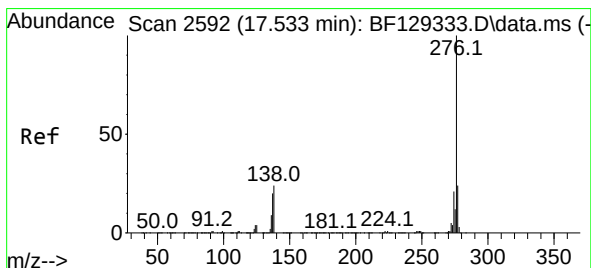
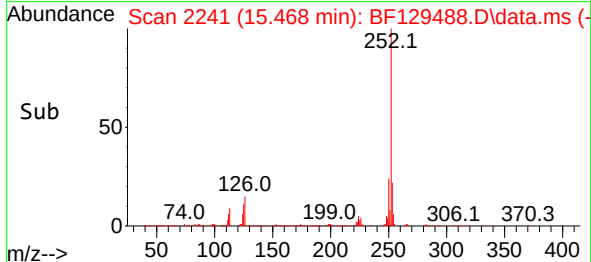
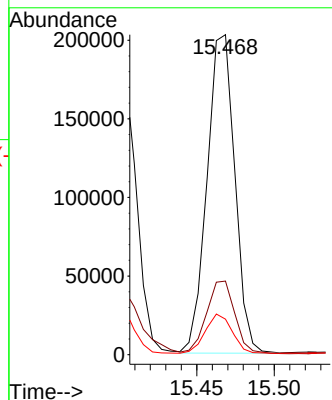
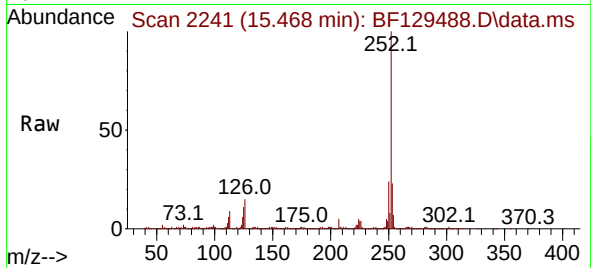




#90
Benzo(a)pyrene
Concen: 13.447 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Instrument :
BNA_F
ClientSampleId :
RO-72-11940

Tgt Ion:252 Resp: 252749
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.1 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 9.358 ng
RT: 17.480 min Scan# 2583
Delta R.T. -0.012 min
Lab File: BF129488.D
Acq: 01 Aug 2022 23:06

Tgt Ion:276 Resp: 182944
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 23.6 18.0 27.0

