

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129620.D
 Acq On : 06 Aug 2022 02:19
 Operator : CG\JU
 Sample : N4023-04DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6DL

Quant Time: Aug 08 02:17:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

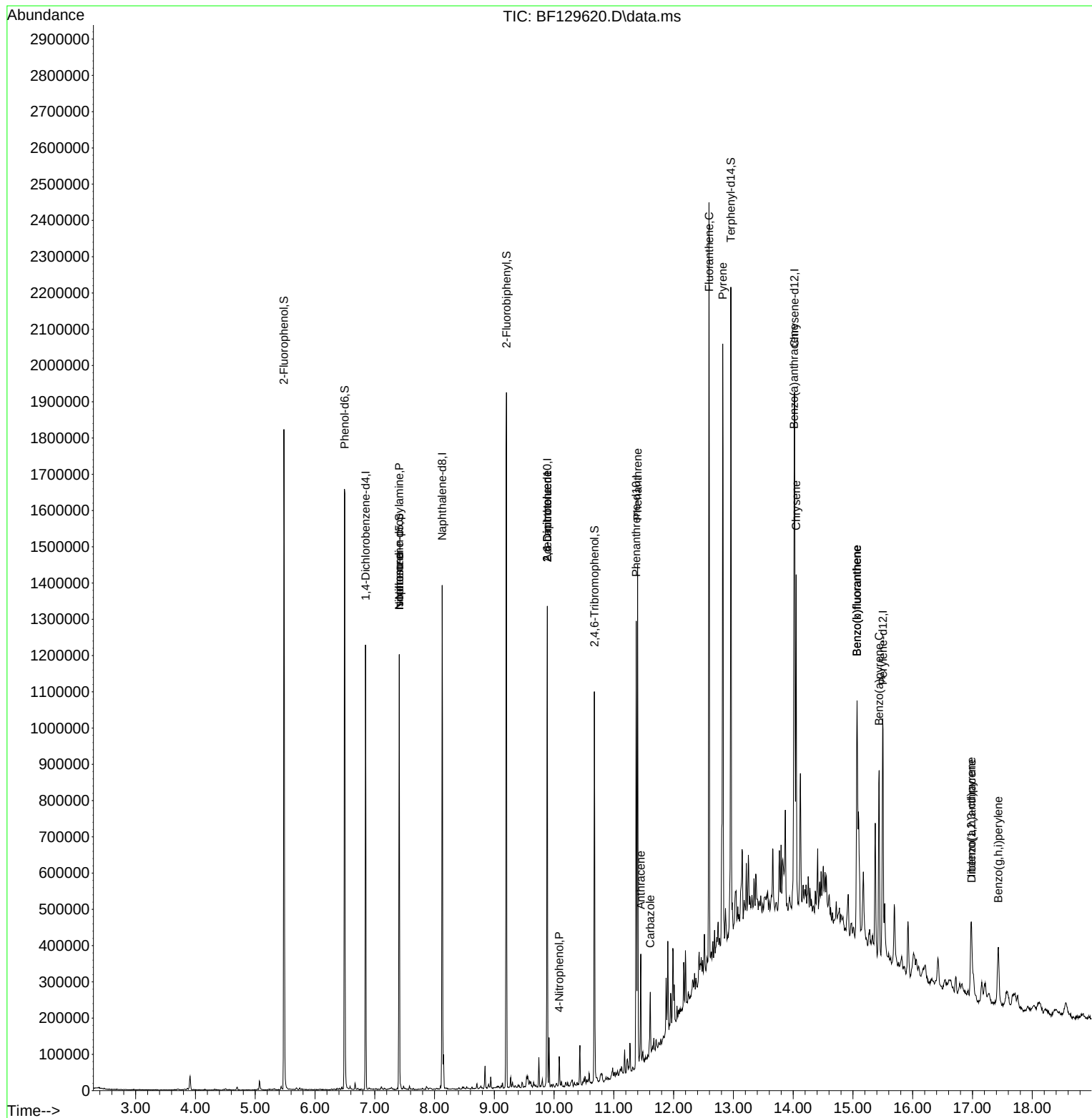
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	160575	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	563053	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	246790	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	400725	20.000	ng	0.00
76) Chrysene-d12	14.021	240	342410	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	284266	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	490116	49.721	ng	0.00
7) Phenol-d6	6.498	99	568988	45.923	ng	0.00
23) Nitrobenzene-d5	7.410	82	330432	32.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	109041	45.956	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	565542	35.450	ng	0.00
79) Terphenyl-d14	12.957	244	556389	30.655	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	43995	5.865	ng	# 72
25) Isophorone	7.410	82	328978	17.793	ng	# 65
51) 2,6-Dinitrotoluene	9.886	165	32452	8.511	ng	# 25
56) 4-Nitrophenol	10.086	139	9739	2.932	ng	# 11
57) 2,4-Dinitrotoluene	9.886	165	32452	6.515	ng	# 21
71) Phenanthrene	11.398	178	460678	21.060	ng	98
72) Anthracene	11.451	178	109274	5.083	ng	99
73) Carbazole	11.610	167	63540	3.140	ng	100
75) Fluoranthene	12.592	202	739176	33.351	ng	99
78) Pyrene	12.821	202	664184	23.196	ng	98
81) Benzo(a)anthracene	14.015	228	342476	14.642	ng	96
83) Chrysene	14.051	228	326627	14.817	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	135997	7.104	ng	96
88) Benzo(b)fluoranthene	15.068	252	478815	25.393	ng	# 97
89) Benzo(k)fluoranthene	15.068	252	478815	25.912	ng	98
90) Benzo(a)pyrene	15.439	252	240741	15.727	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	33936	2.178	ng	# 88
92) Benzo(g,h,i)perylene	17.433	276	125816	7.903	ng	98

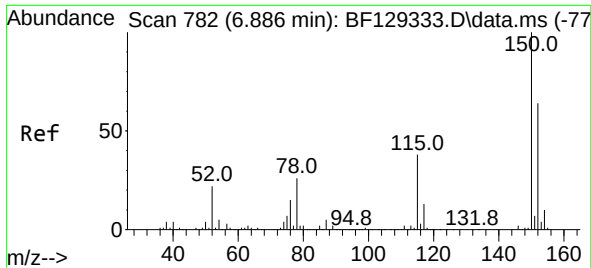
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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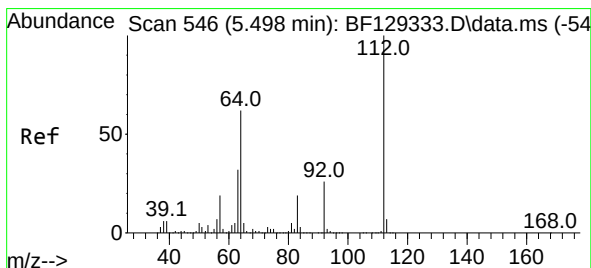
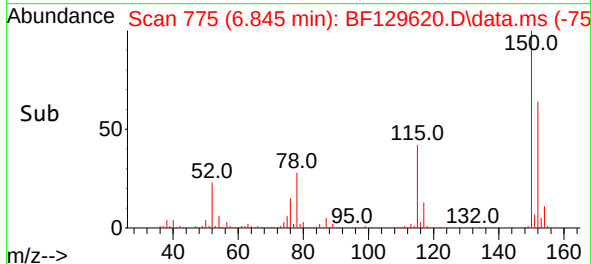
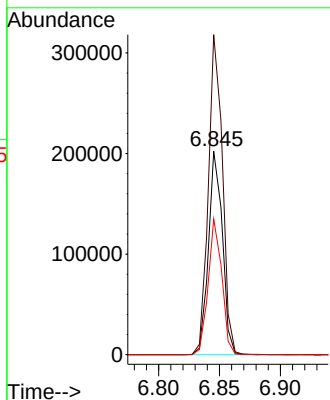
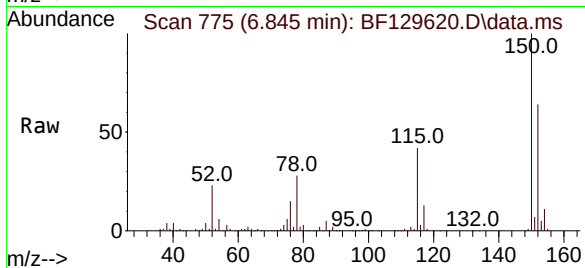




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

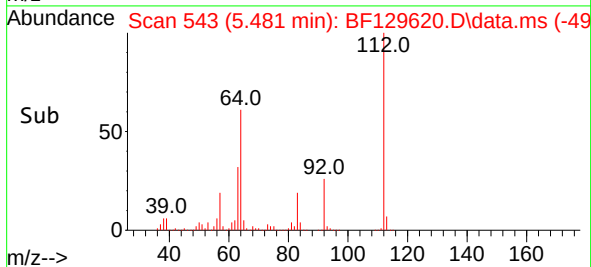
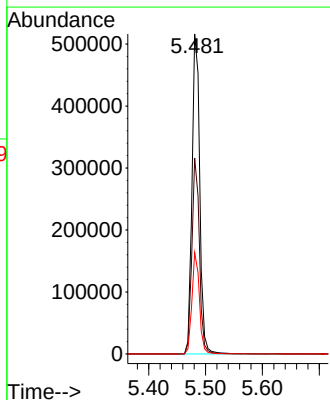
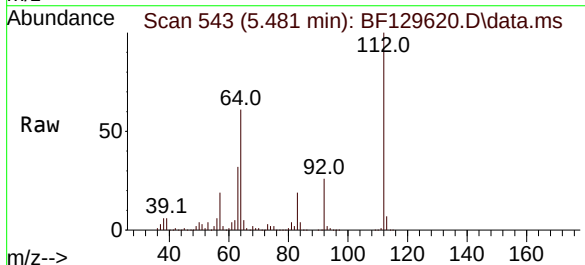
Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6DL

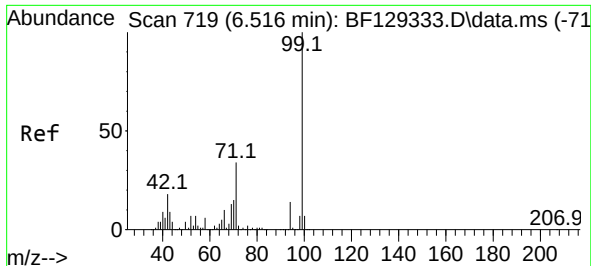
Tgt Ion:152 Resp: 160575
 Ion Ratio Lower Upper
 152 100
 150 157.3 123.7 185.5
 115 66.7 49.9 74.9



#5
 2-Fluorophenol
 Concen: 49.721 ng
 RT: 5.481 min Scan# 543
 Delta R.T. -0.000 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

Tgt Ion:112 Resp: 490116
 Ion Ratio Lower Upper
 112 100
 64 61.2 53.3 79.9
 63 31.7 28.0 42.0



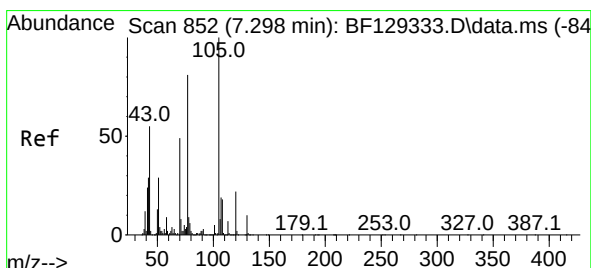
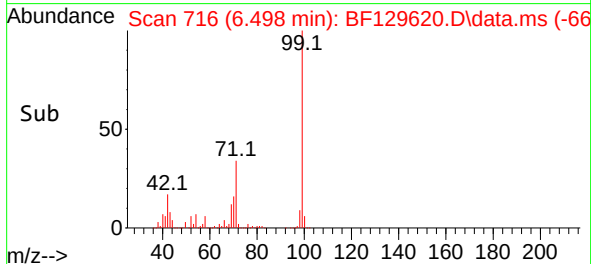
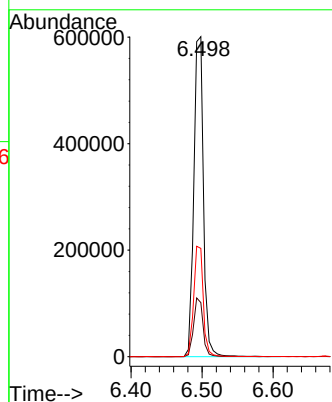
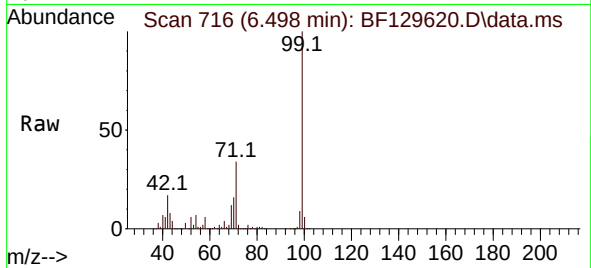


#7
Phenol-d6
Concen: 45.923 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

Tgt Ion: 99 Resp: 568988

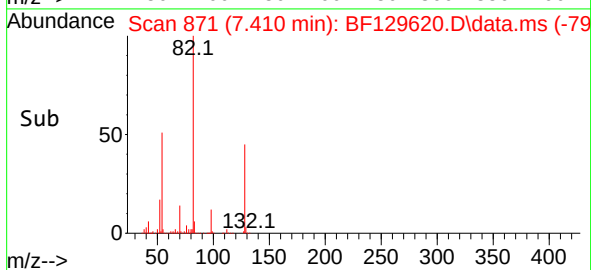
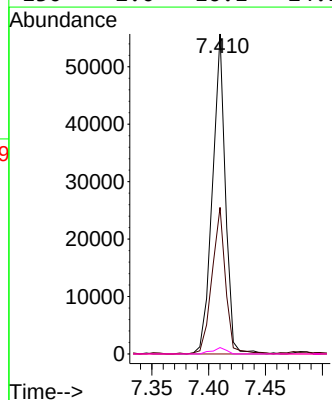
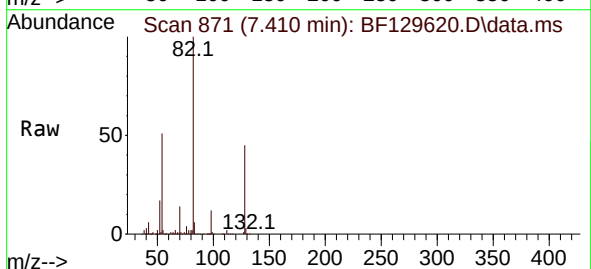
Ion	Ratio	Lower	Upper
99	100		
42	16.9	17.3	25.9#
71	33.9	28.9	43.3

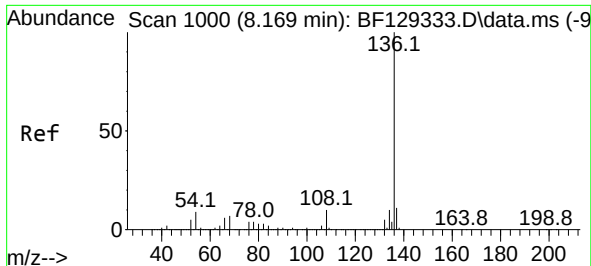


#19
n-Nitroso-di-n-propylamine
Concen: 5.865 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion: 70 Resp: 43995

Ion	Ratio	Lower	Upper
70	100		
42	45.8	52.3	78.5#
101	0.0	7.5	11.3#
130	2.0	16.1	24.1#



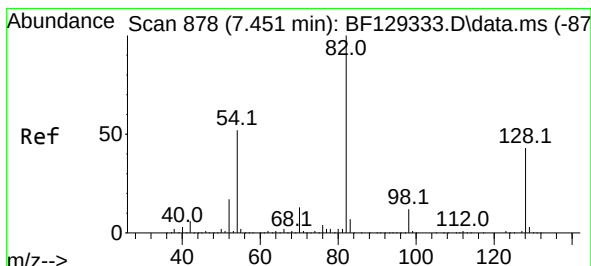
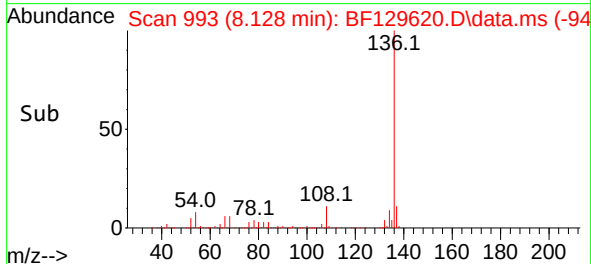
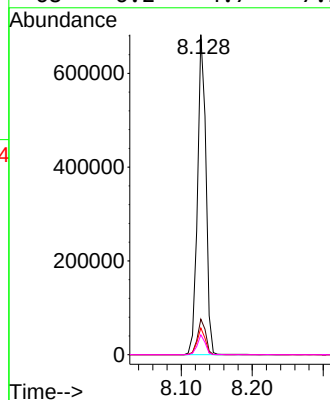
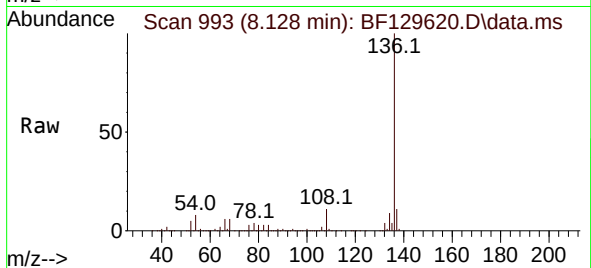


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

Tgt Ion:136 Resp: 563053

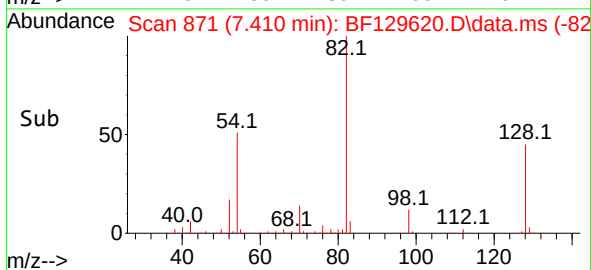
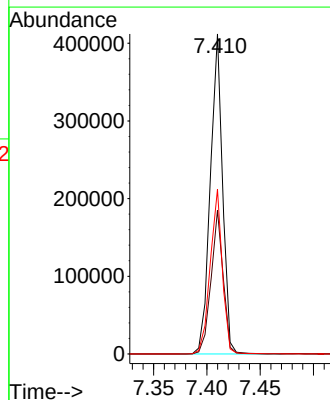
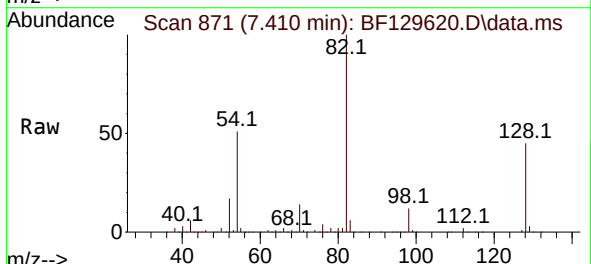
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.4	7.5	11.3
68	6.2	4.7	7.1

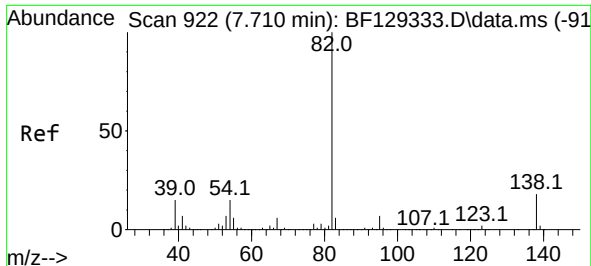


#23
Nitrobenzene-d5
Concen: 32.036 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion: 82 Resp: 330432

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.0	51.0
54	51.5	46.9	70.3

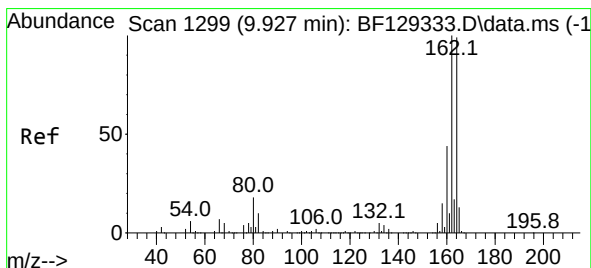
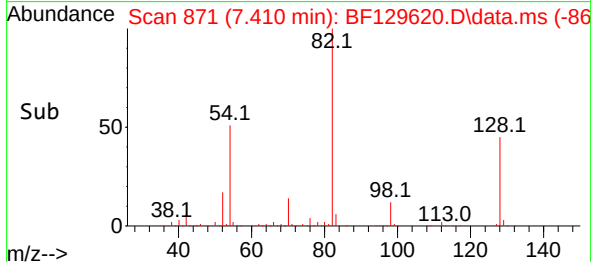
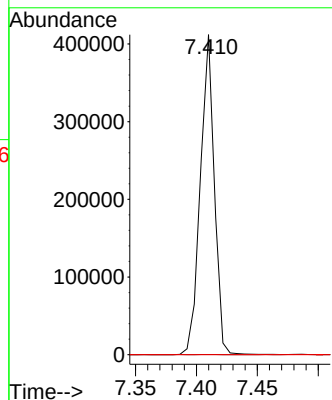
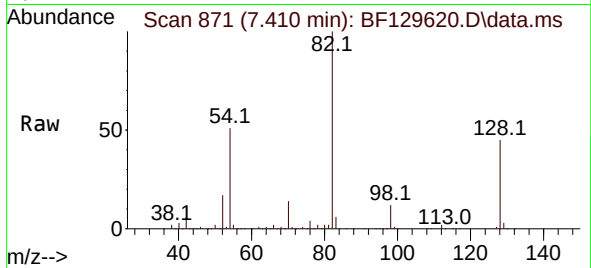




#25
Isophorone
Concen: 17.793 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

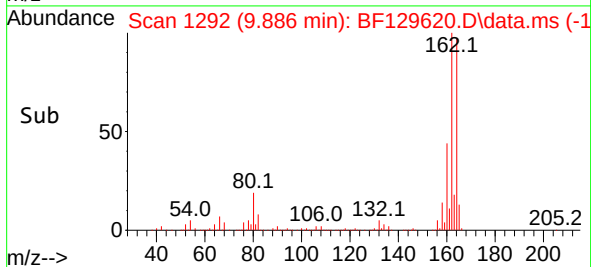
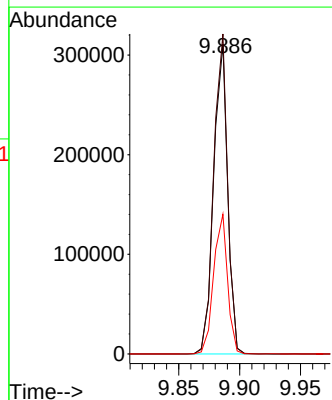
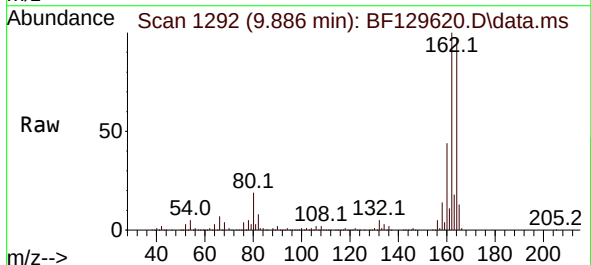
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

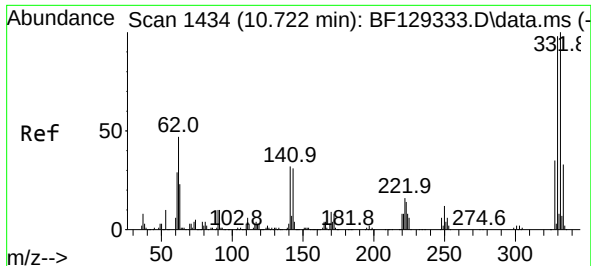
Tgt Ion: 82 Resp: 328978
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:164 Resp: 246790
Ion Ratio Lower Upper
164 100
162 103.2 79.5 119.3
160 45.1 34.2 51.4

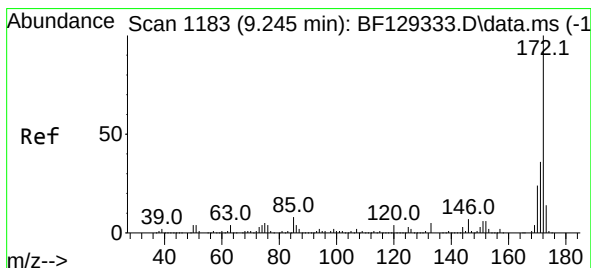
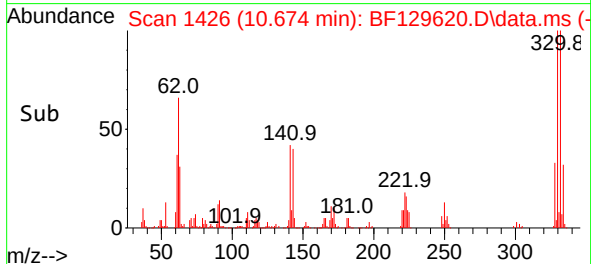
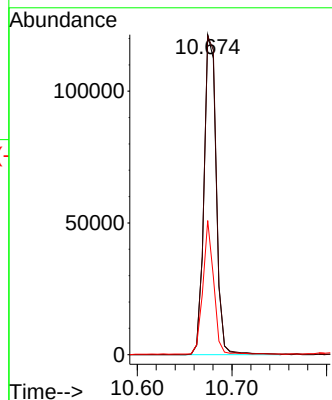
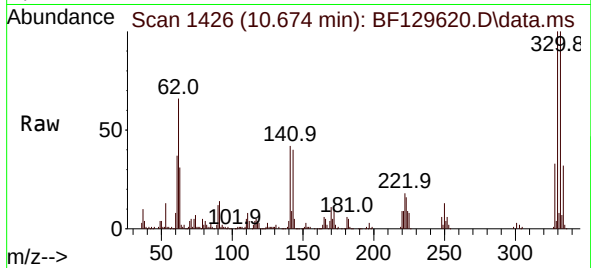




#42
2,4,6-Tribromophenol
Concen: 45.956 ng
RT: 10.674 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

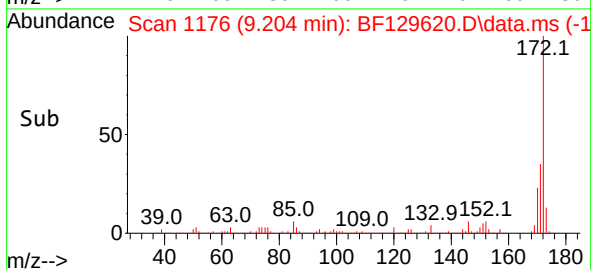
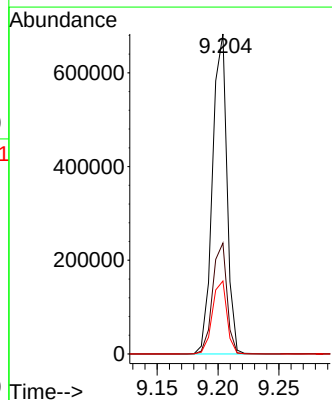
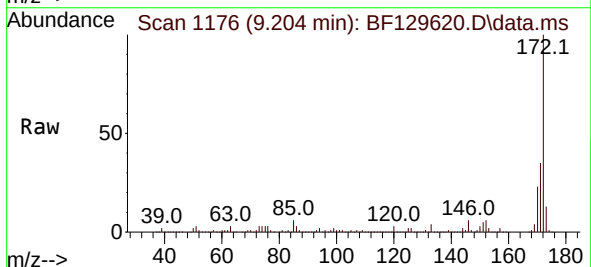
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

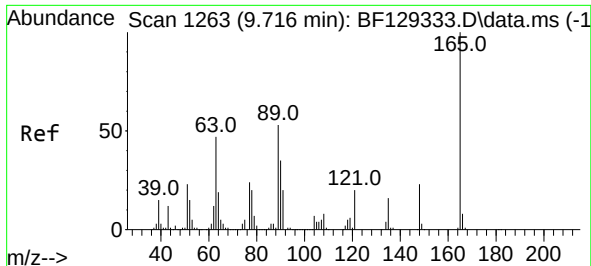
Tgt Ion:330 Resp: 109041
Ion Ratio Lower Upper
330 100
332 101.5 76.8 115.2
141 37.1 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 35.450 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:172 Resp: 565542
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 22.8 19.8 29.8

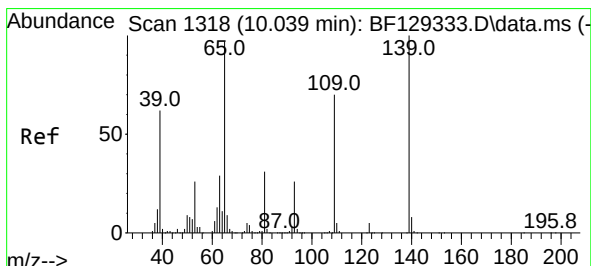
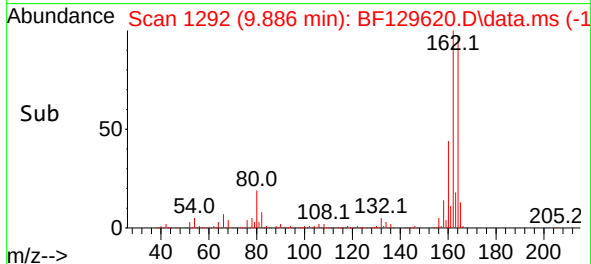
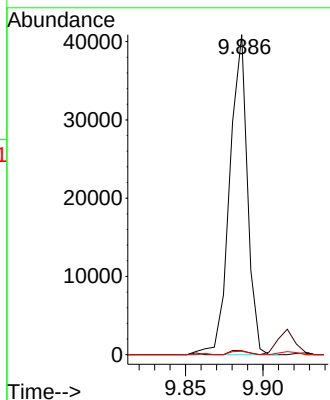
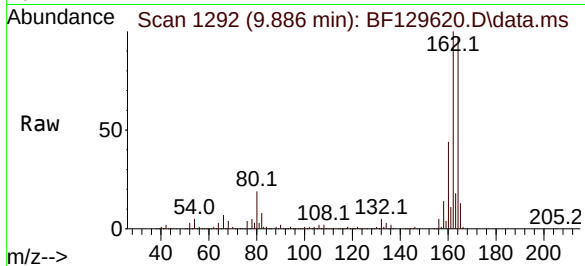




#51
2,6-Dinitrotoluene
Concen: 8.511 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

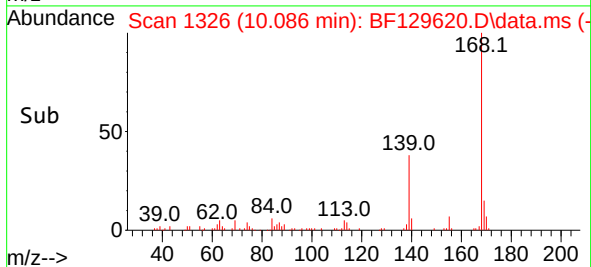
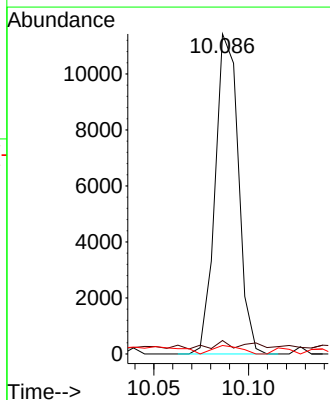
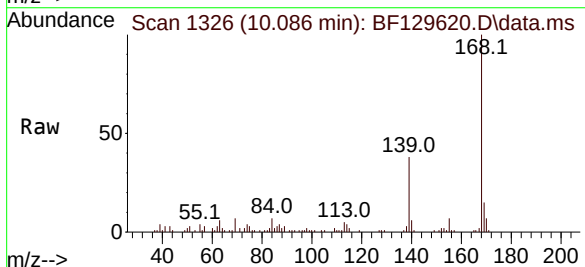
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TP2-1-6DL

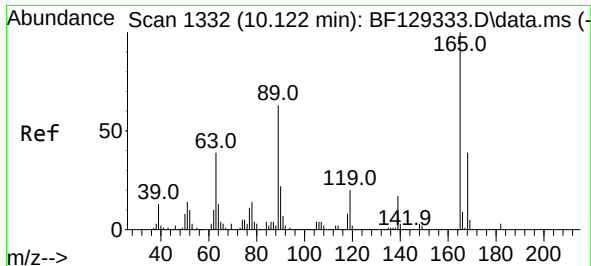
Tgt Ion:165 Resp: 32452
Ion Ratio Lower Upper
165 100
63 1.3 44.9 67.3#
89 1.0 43.6 65.4#



#56
4-Nitrophenol
Concen: 2.932 ng
RT: 10.086 min Scan# 1326
Delta R.T. 0.053 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:139 Resp: 9739
Ion Ratio Lower Upper
139 100
109 4.2 50.7 90.7#
65 2.7 74.5 114.5#

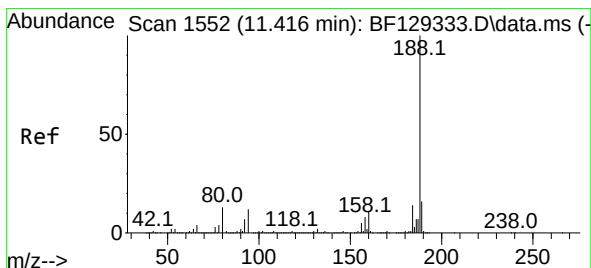
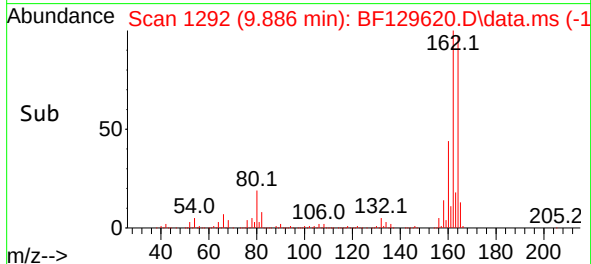
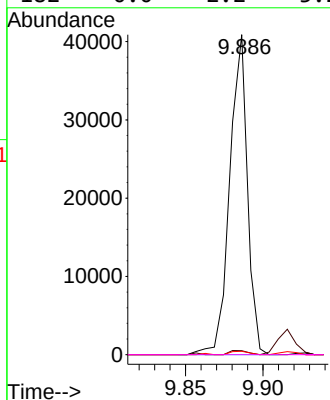
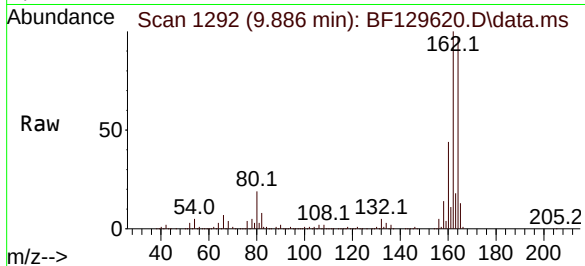




#57
2,4-Dinitrotoluene
Concen: 6.515 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

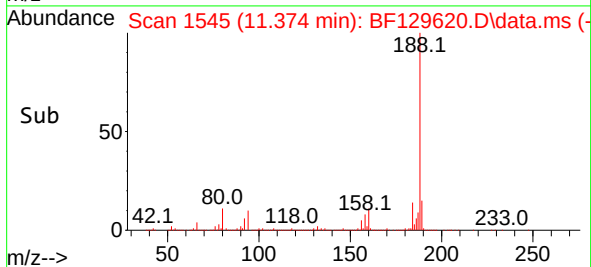
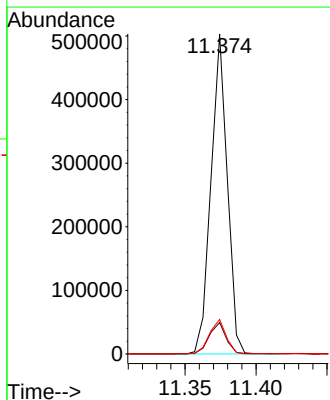
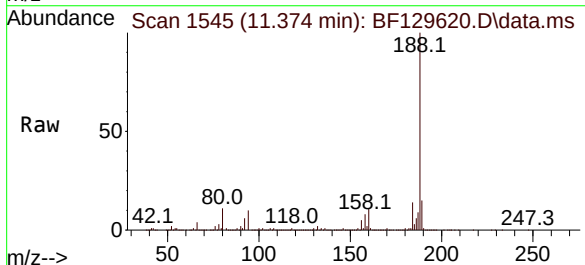
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

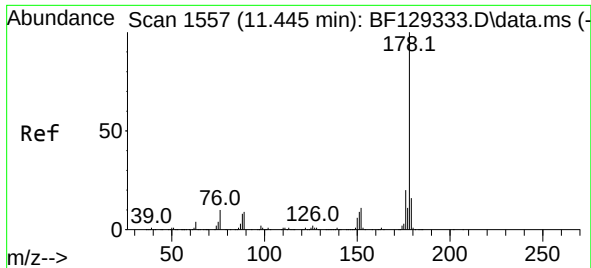
Tgt Ion:165 Resp: 32452
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:188 Resp: 400725
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.8 7.6 11.4

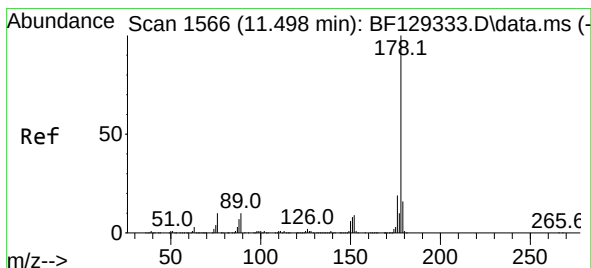
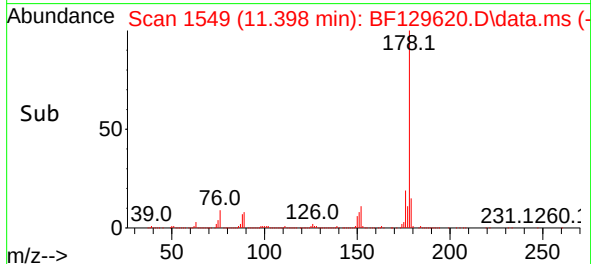
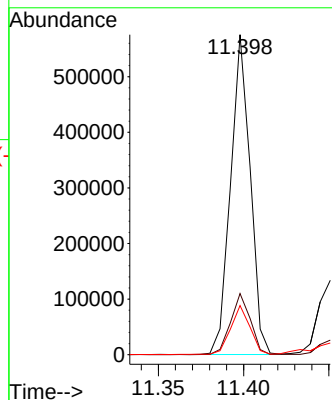
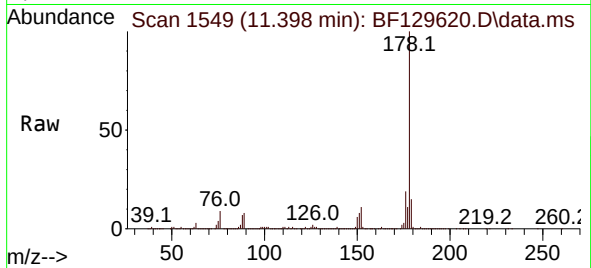




#71
Phenanthrene
Concen: 21.060 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

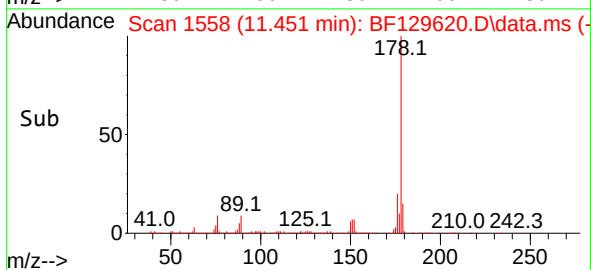
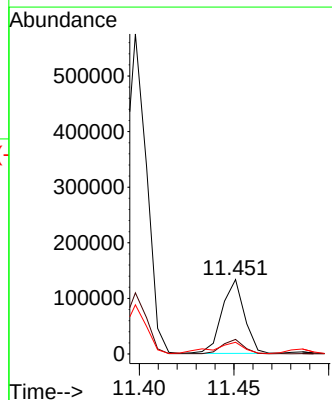
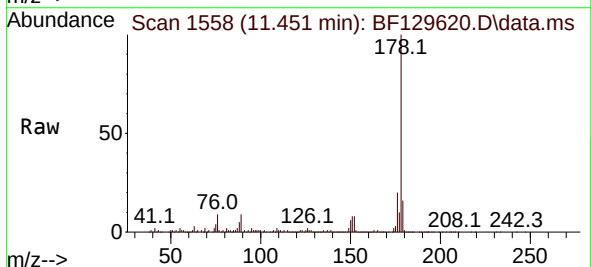
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

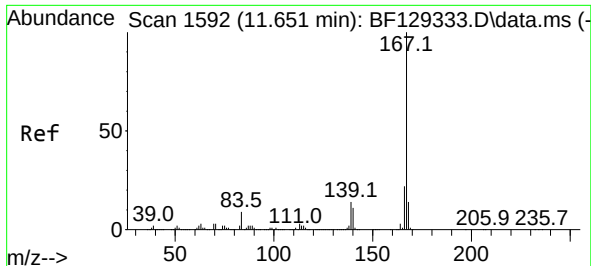
Tgt Ion:178 Resp: 460678
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.4 12.6 19.0



#72
Anthracene
Concen: 5.083 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:178 Resp: 109274
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.7 12.6 19.0

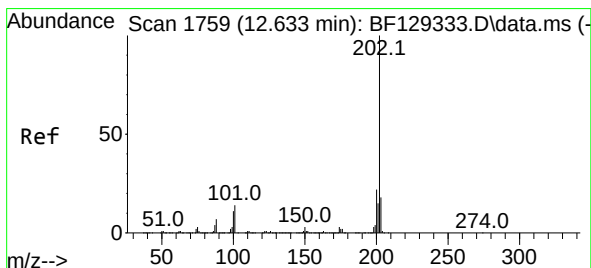
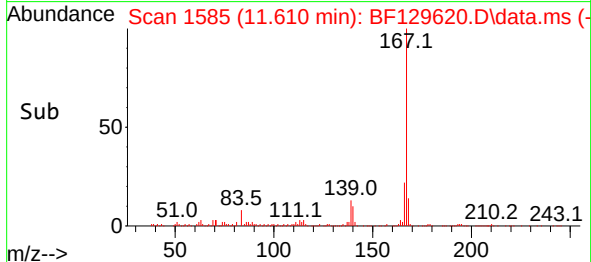
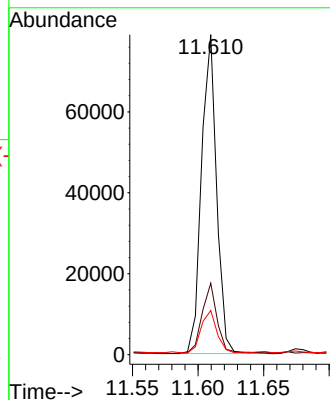
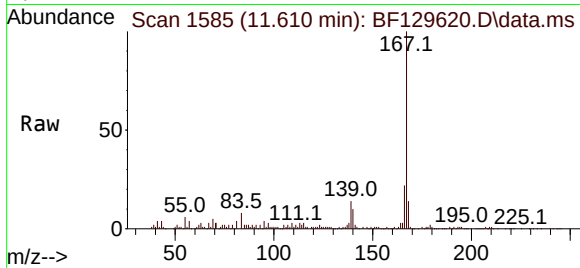




#73
 Carbazole
 Concen: 3.140 ng
 RT: 11.610 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

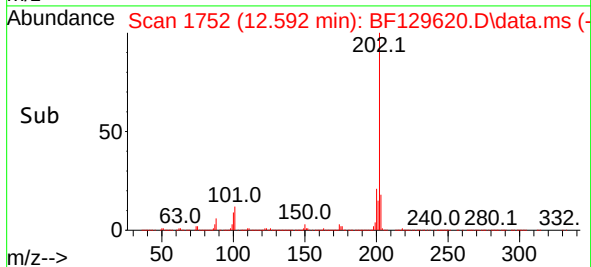
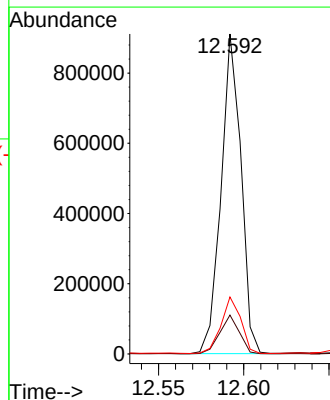
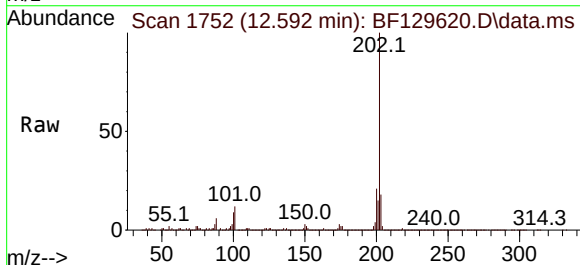
Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6DL

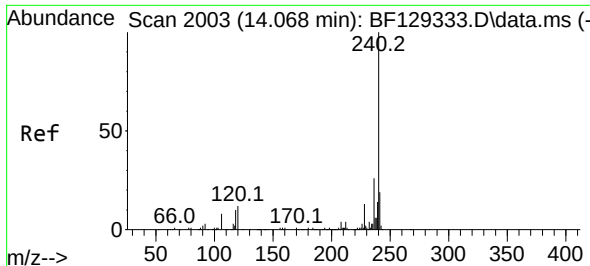
Tgt Ion:167 Resp: 63540
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.8 11.2 16.8



#75
 Fluoranthene
 Concen: 33.351 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

Tgt Ion:202 Resp: 739176
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.4
 203 17.8 0.0 38.0

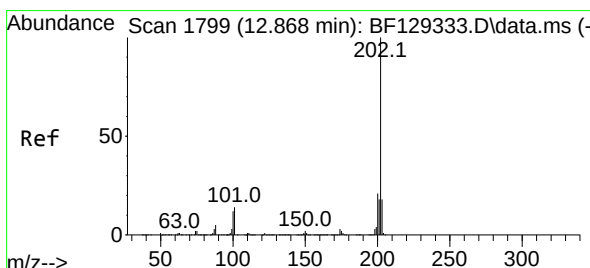
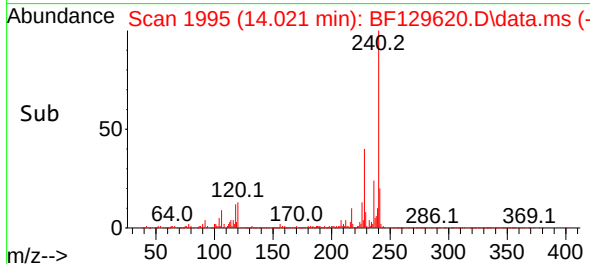
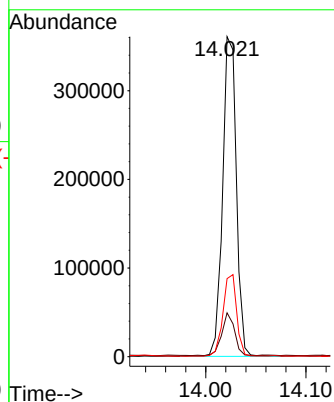
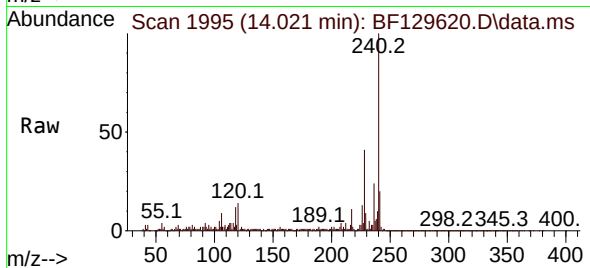




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

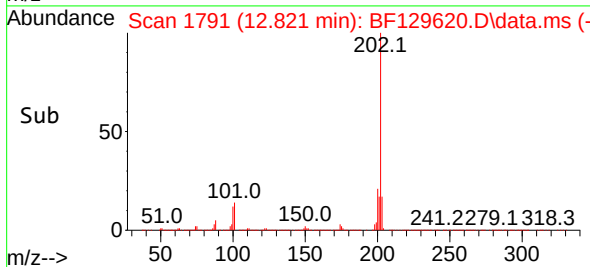
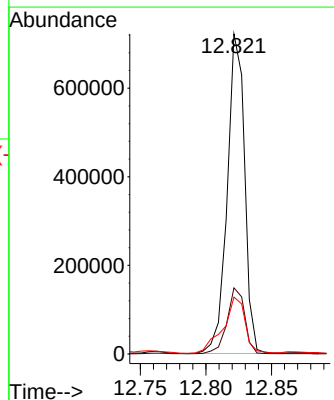
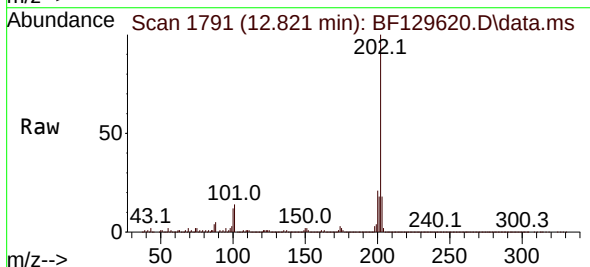
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

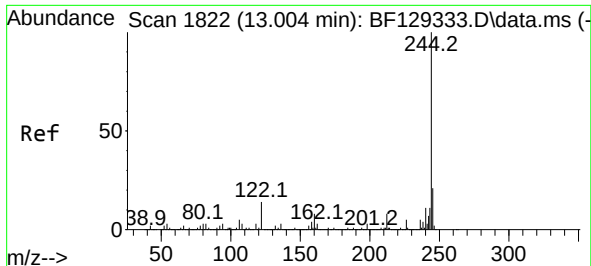
Tgt Ion:240 Resp: 342410
Ion Ratio Lower Upper
240 100
120 13.7 8.9 13.3#
236 24.4 20.8 31.2



#78
Pyrene
Concen: 23.196 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:202 Resp: 664184
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.8 14.6 21.8

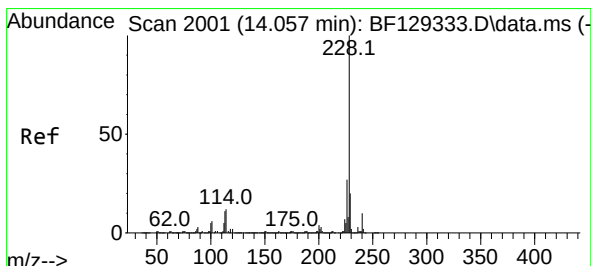
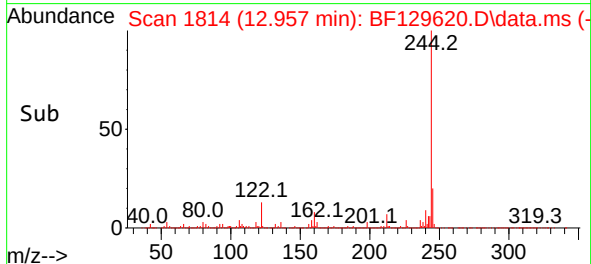
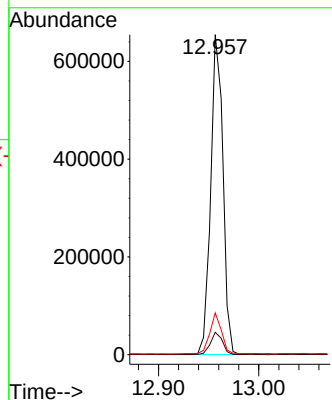
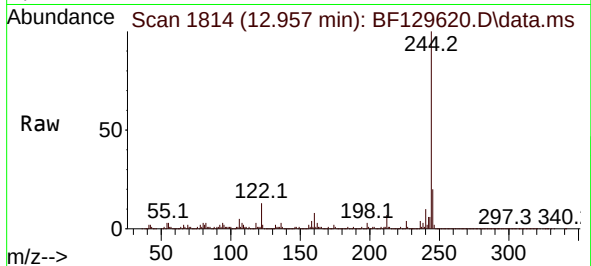




#79
 Terphenyl-d14
 Concen: 30.655 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

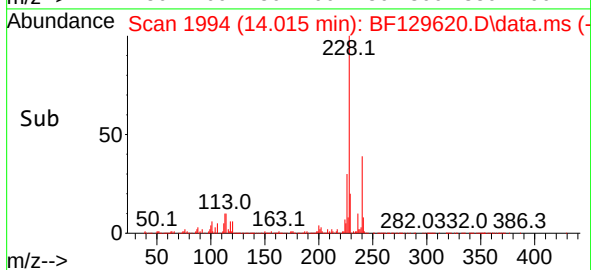
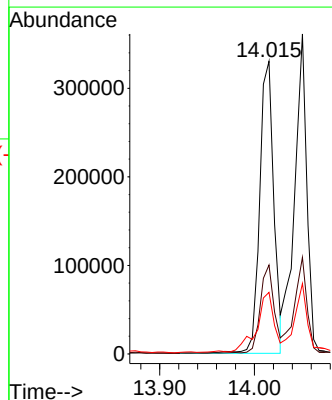
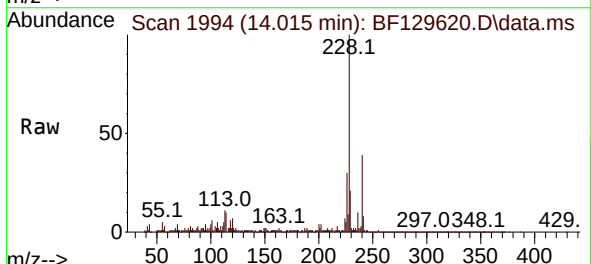
Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6DL

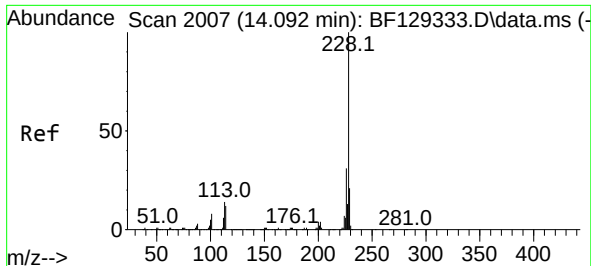
Tgt Ion:244 Resp: 556389
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 13.1 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 14.642 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

Tgt Ion:228 Resp: 342476
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.1 33.1
 229 21.0 15.8 23.8

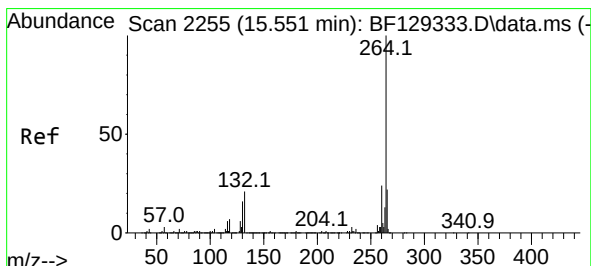
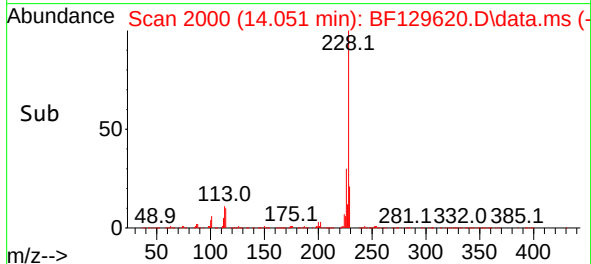
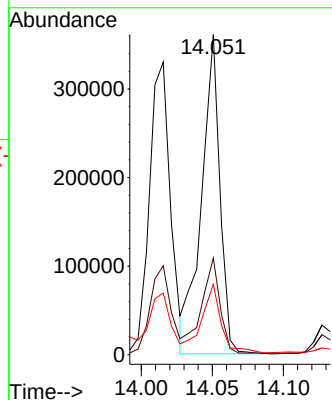
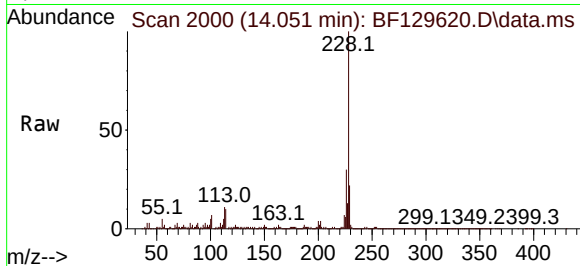




#83
Chrysene
Concen: 14.817 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

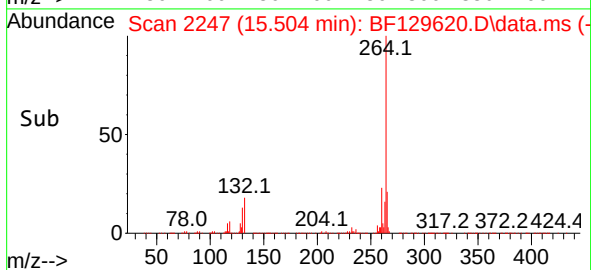
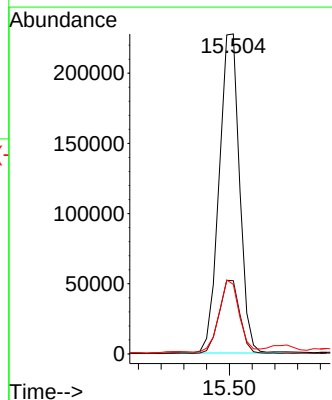
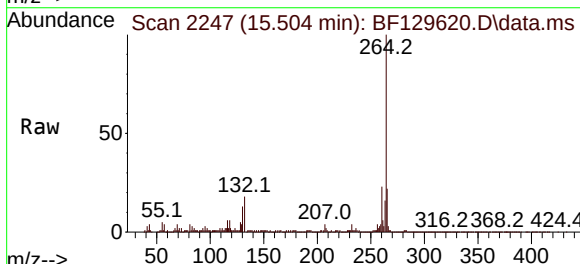
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

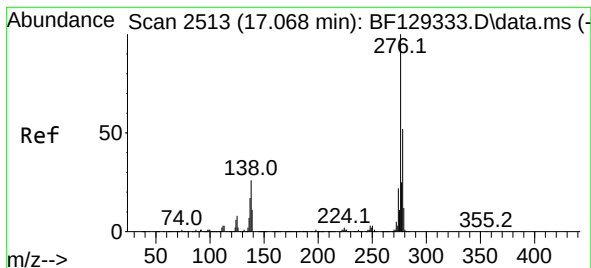
Tgt Ion:228 Resp: 326627
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.0 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:264 Resp: 284266
Ion Ratio Lower Upper
264 100
260 22.9 18.4 27.6
265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.104 ng

RT: 16.980 min Scan# 2498

Delta R.T. -0.018 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

Instrument :

BNA_F

ClientSampleId :

TP2-1-6DL

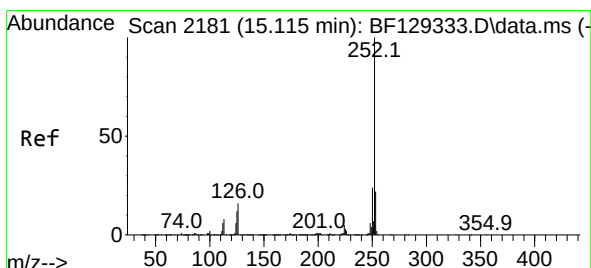
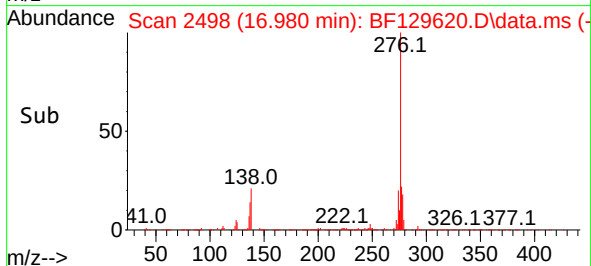
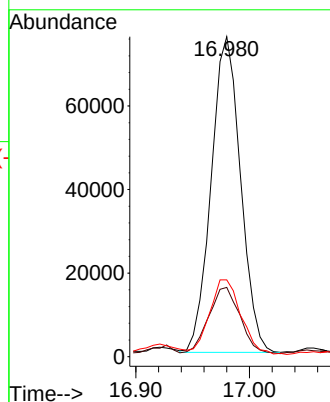
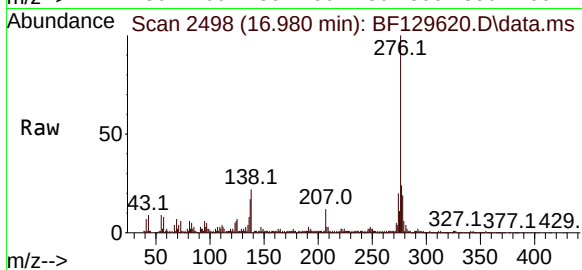
Tgt Ion:276 Resp: 135997

Ion Ratio Lower Upper

276 100

138 22.4 21.1 31.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 25.393 ng

RT: 15.068 min Scan# 2173

Delta R.T. -0.000 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

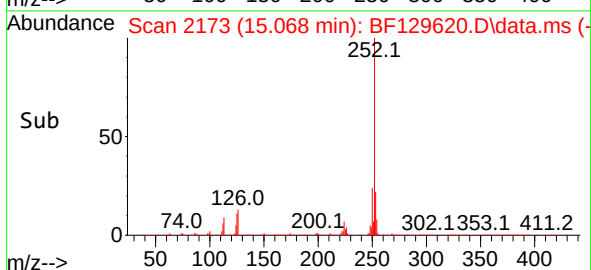
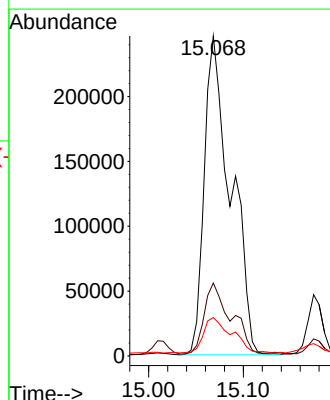
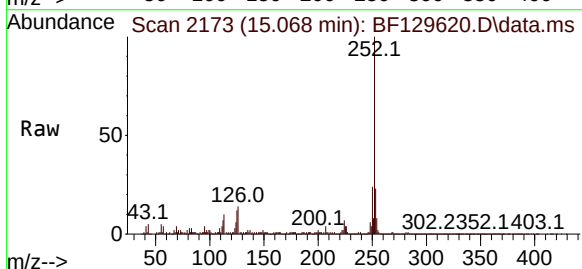
Tgt Ion:252 Resp: 478815

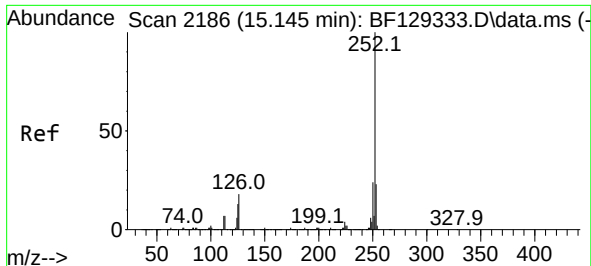
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.0 8.0 12.0#

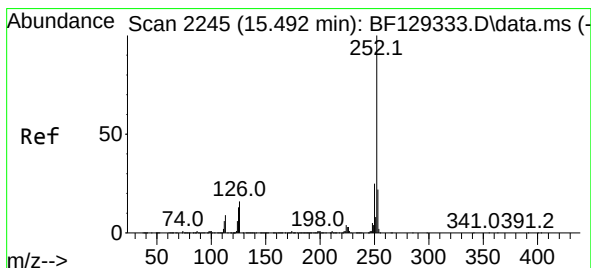
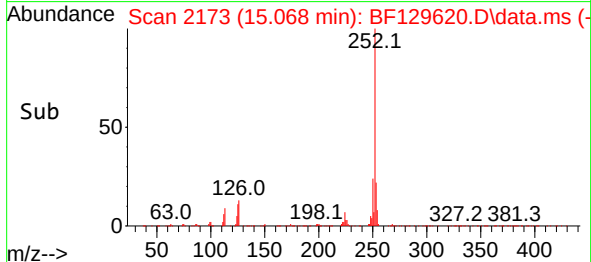
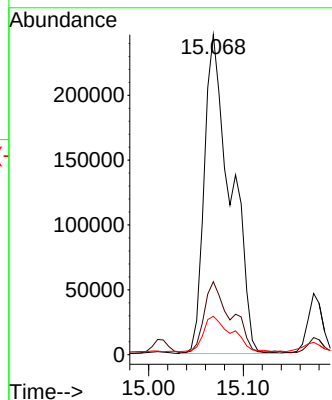
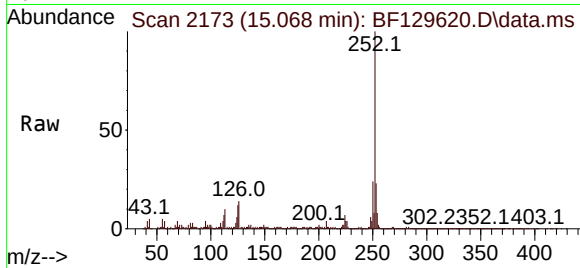




#89
Benzo(k)fluoranthene
Concen: 25.912 ng
RT: 15.068 min Scan# 2186
Delta R.T. -0.035 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

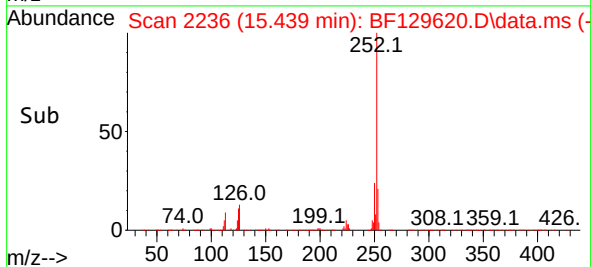
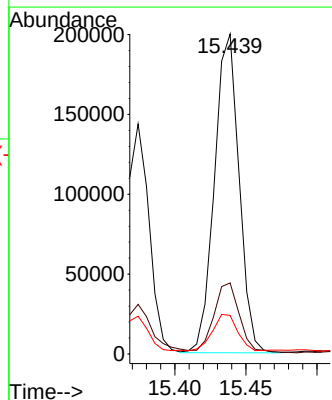
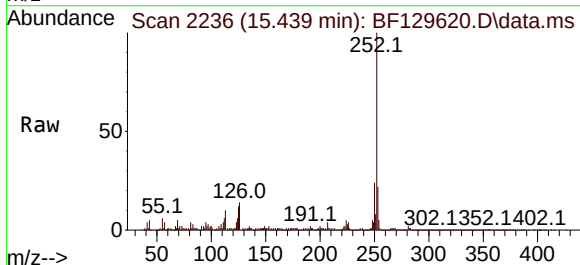
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

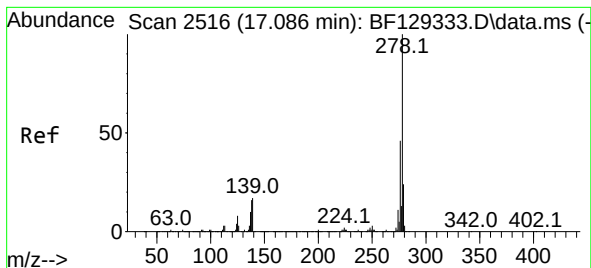
Tgt Ion:252 Resp: 478815
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 12.0 8.3 12.5



#90
Benzo(a)pyrene
Concen: 15.727 ng
RT: 15.439 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:252 Resp: 240741
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 12.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.178 ng

RT: 16.986 min Scan# 2499

Delta R.T. -0.024 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

Instrument :

BNA_F

ClientSampleId :

TP2-1-6DL

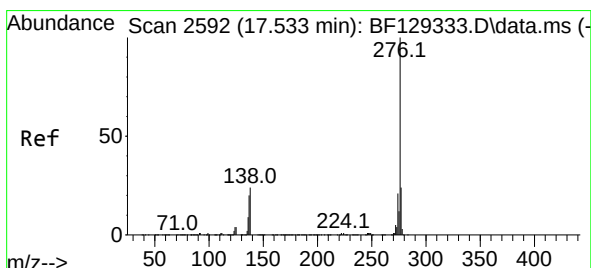
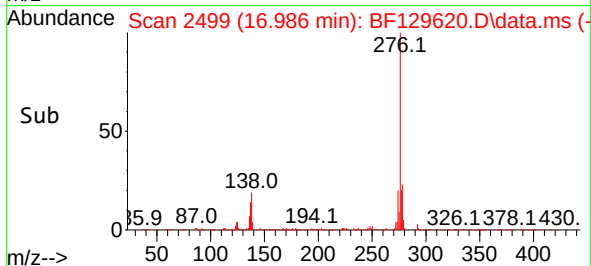
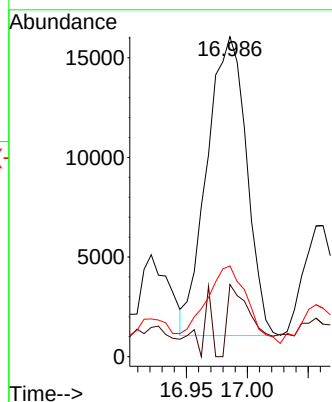
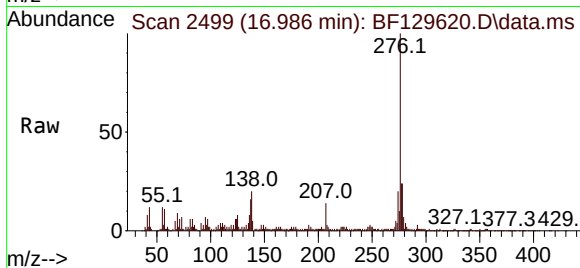
Tgt Ion:278 Resp: 33936

Ion Ratio Lower Upper

278 100

139 22.5 12.8 19.2#

279 28.3 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 7.903 ng

RT: 17.433 min Scan# 2575

Delta R.T. -0.018 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

Tgt Ion:276 Resp: 125816

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 24.3 18.0 27.0

