

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
 Data File : BF129752.D
 Acq On : 12 Aug 2022 19:24
 Operator : CG\JU
 Sample : N4183-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Quant Time: Aug 13 02:06:36 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 12 15:52:45 2022
 Response via : Initial Calibration

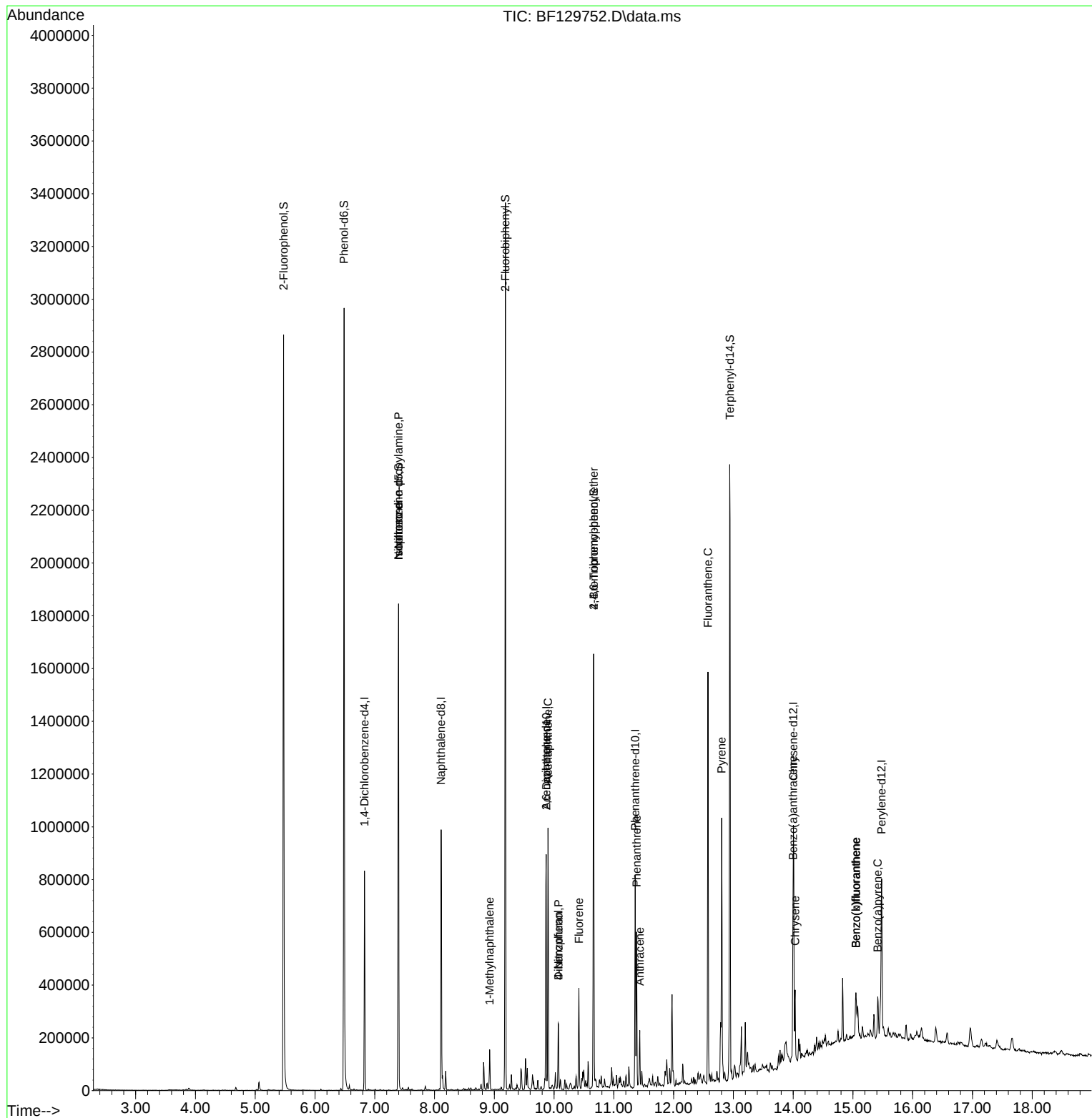
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	111837	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	405176	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	179561	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	266558	20.000	ng	0.00
76) Chrysene-d12	14.004	240	261378	20.000	ng	0.00
86) Perylene-d12	15.480	264	262749	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	781723	113.864	ng	0.00
7) Phenol-d6	6.486	99	914568	105.983	ng	0.00
23) Nitrobenzene-d5	7.398	82	571957	77.059	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	175929	101.908	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	900939	77.617	ng	0.00
79) Terphenyl-d14	12.939	244	786797	56.790	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.398	70	75345	14.422	ng	# 73
25) Isophorone	7.398	82	571949	42.989	ng	# 65
38) 1-Methylnaphthalene	8.922	142	34362	2.661	ng	99
51) 2,6-Dinitrotoluene	9.869	165	23932	8.626	ng	# 25
52) Acenaphthene	9.898	154	190796	18.148	ng	98
55) Dibenzofuran	10.074	168	92757	6.400	ng	98
56) 4-Nitrophenol	10.074	139	36492	15.098	ng	# 9
58) Fluorene	10.416	166	91240	7.868	ng	98
67) 4-Bromophenyl-phenylether	10.663	248	11655	3.993	ng	# 1
71) Phenanthrene	11.380	178	189804	13.044	ng	98
72) Anthracene	11.433	178	73293	5.126	ng	99
75) Fluoranthene	12.574	202	556531	37.748	ng	98
78) Pyrene	12.804	202	380146	17.392	ng	100
81) Benzo(a)anthracene	13.998	228	120544	6.751	ng	99
83) Chrysene	14.033	228	103957	6.178	ng	98
88) Benzo(b)fluoranthene	15.051	252	124877	7.165	ng	# 93
89) Benzo(k)fluoranthene	15.051	252	124877	7.311	ng	# 94
90) Benzo(a)pyrene	15.415	252	61176	4.324	ng	# 96

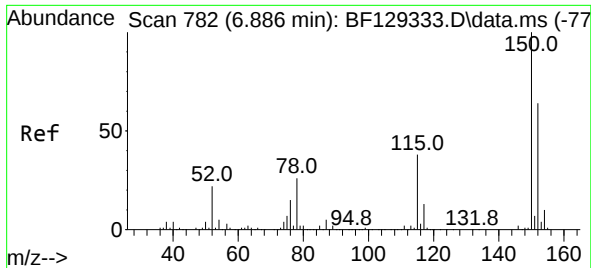
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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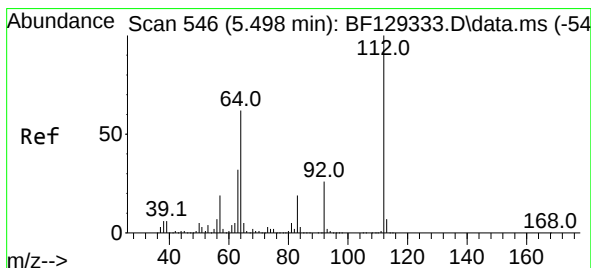
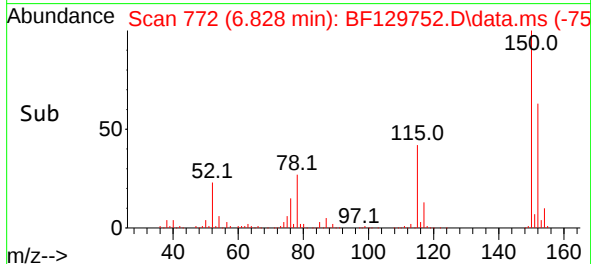
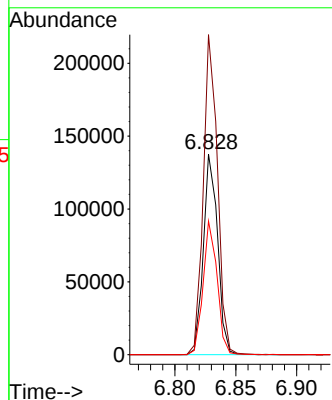
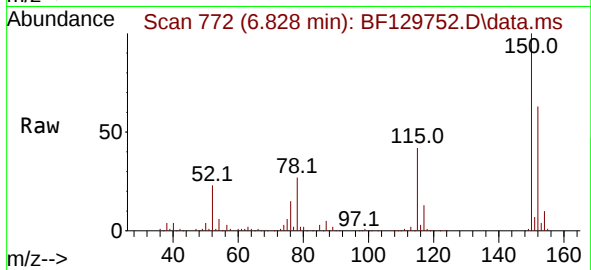




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129752.D
 Acq: 12 Aug 2022 19:24

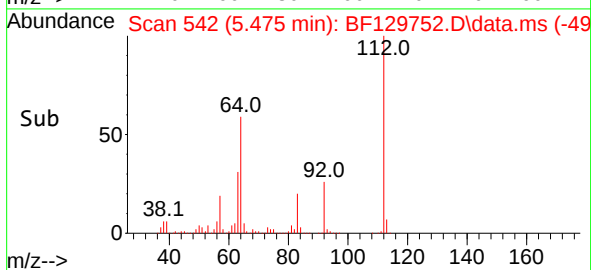
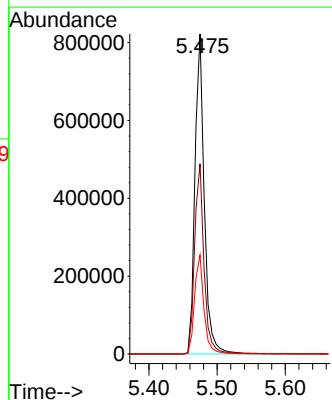
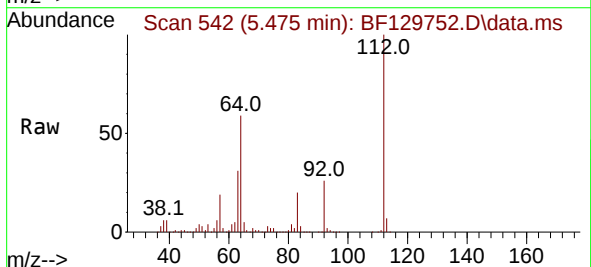
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tgt Ion:152 Resp: 111837
 Ion Ratio Lower Upper
 152 100
 150 159.6 123.7 185.5
 115 66.6 49.9 74.9



#5
 2-Fluorophenol
 Concen: 113.864 ng
 RT: 5.475 min Scan# 542
 Delta R.T. 0.006 min
 Lab File: BF129752.D
 Acq: 12 Aug 2022 19:24

Tgt Ion:112 Resp: 781723
 Ion Ratio Lower Upper
 112 100
 64 59.4 53.3 79.9
 63 30.9 28.0 42.0

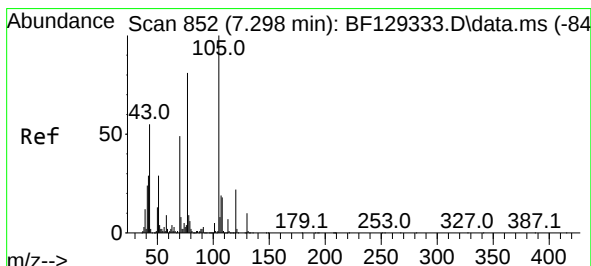
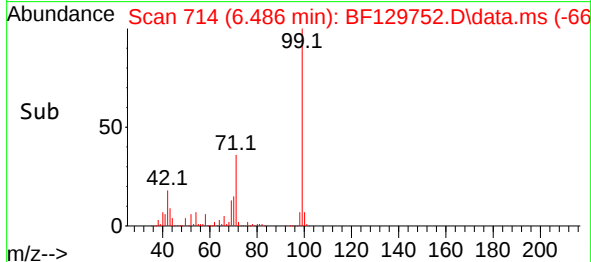
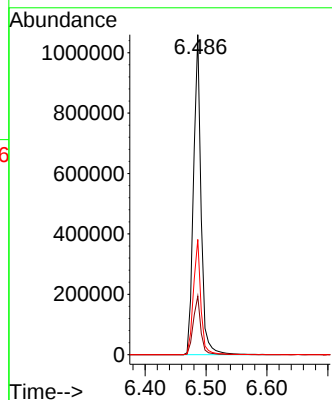
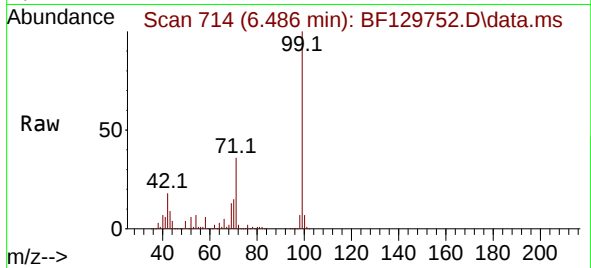




#7
Phenol-d6
Concen: 105.983 ng
RT: 6.486 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

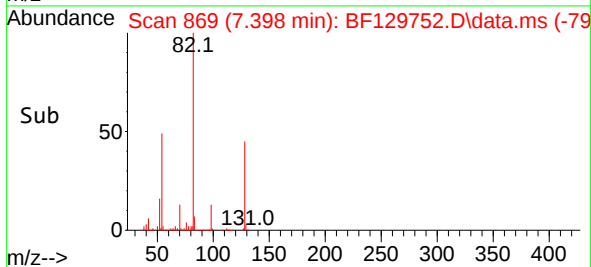
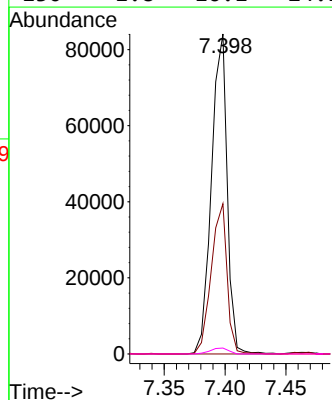
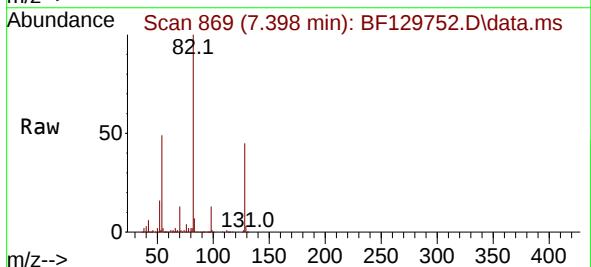
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

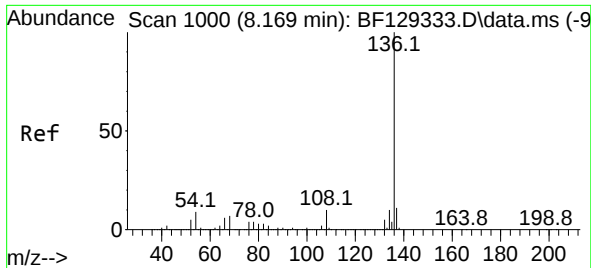
Tgt Ion: 99 Resp: 914568
Ion Ratio Lower Upper
99 100
42 18.3 17.3 25.9
71 36.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.422 ng
RT: 7.398 min Scan# 869
Delta R.T. 0.147 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion: 70 Resp: 75345
Ion Ratio Lower Upper
70 100
42 47.0 52.3 78.5#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#



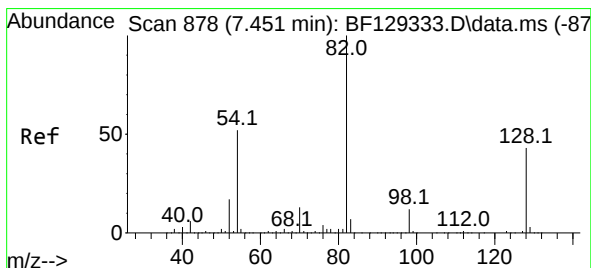
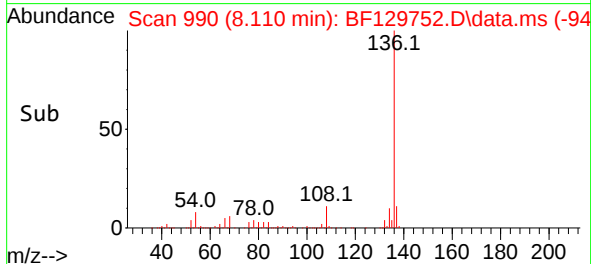
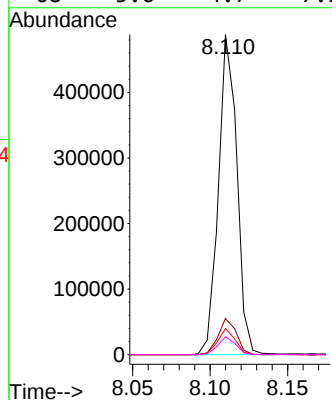
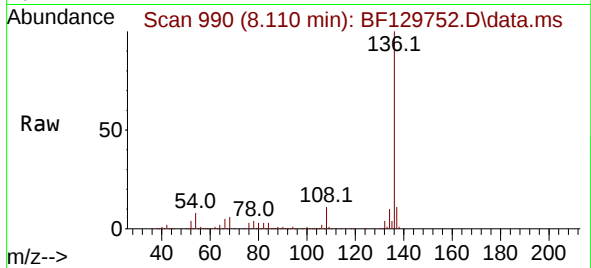


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tgt Ion:136 Resp: 405176

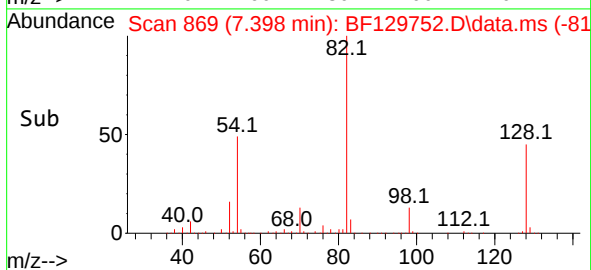
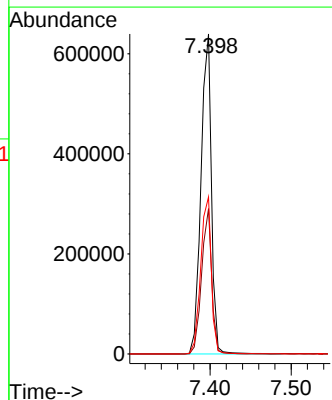
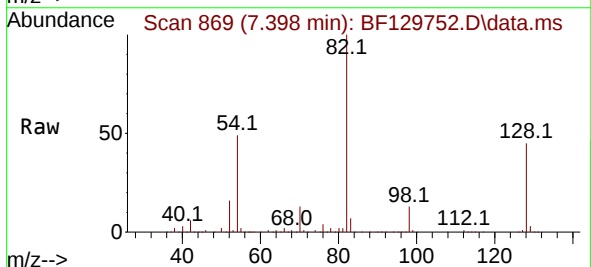
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.1	7.5	11.3
68	5.6	4.7	7.1

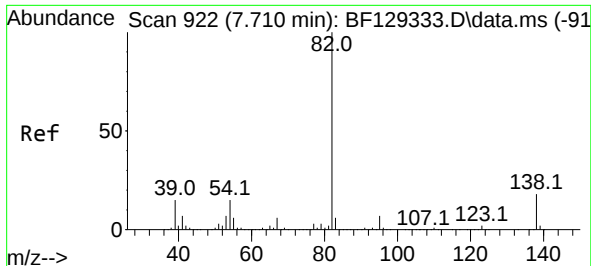


#23
Nitrobenzene-d5
Concen: 77.059 ng
RT: 7.398 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion: 82 Resp: 571957

Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.0	51.0
54	49.1	46.9	70.3

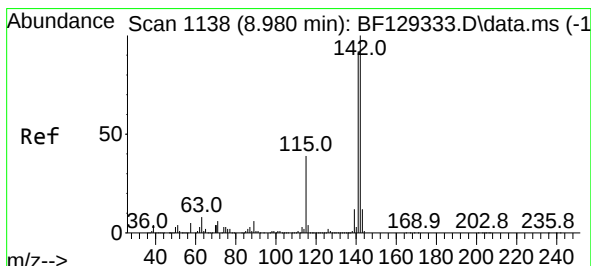
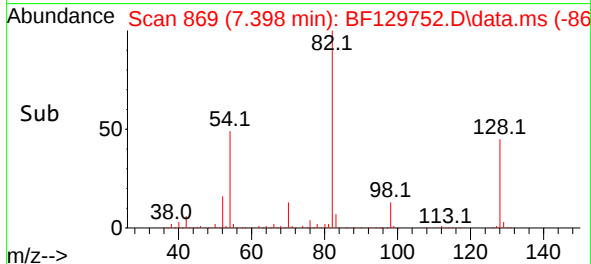
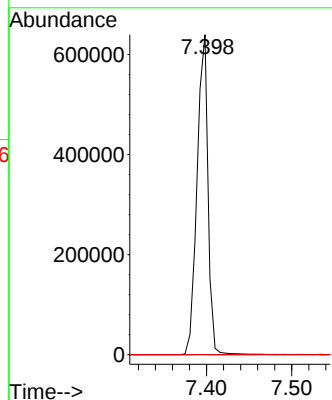
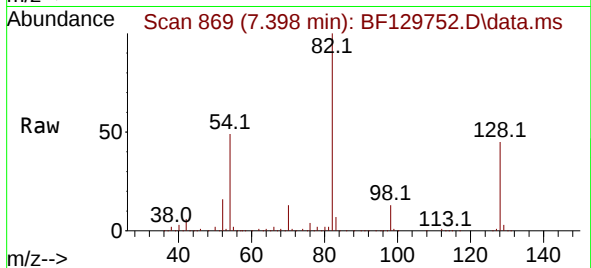




#25
Isophorone
Concen: 42.989 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.259 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

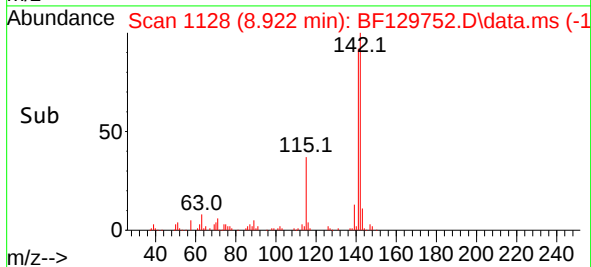
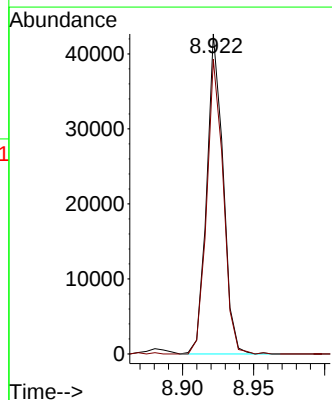
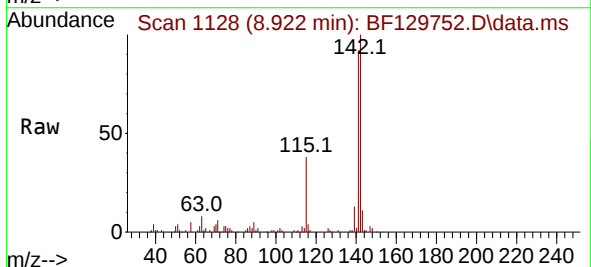
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

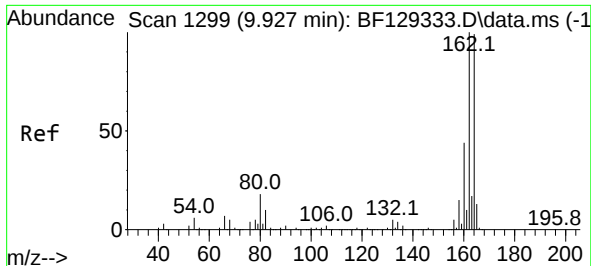
Tgt Ion: 82 Resp: 571949
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#38
1-Methylnaphthalene
Concen: 2.661 ng
RT: 8.922 min Scan# 1128
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion: 142 Resp: 34362
Ion Ratio Lower Upper
142 100
141 92.0 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129752.D

Acq: 12 Aug 2022 19:24

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

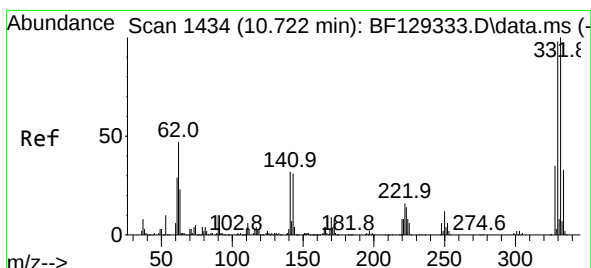
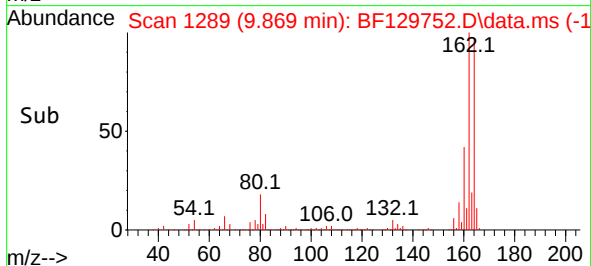
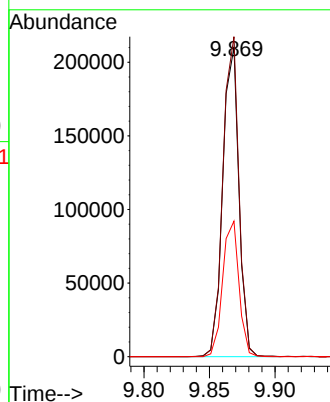
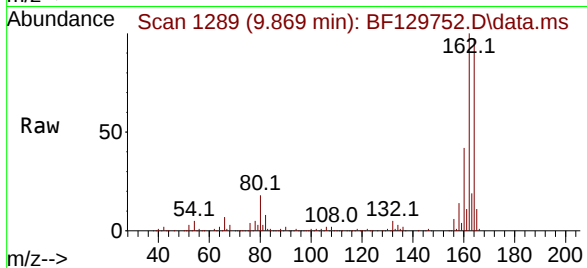
Tgt Ion:164 Resp: 179561

Ion Ratio Lower Upper

164 100

162 103.4 79.5 119.3

160 43.8 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 101.908 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF129752.D

Acq: 12 Aug 2022 19:24

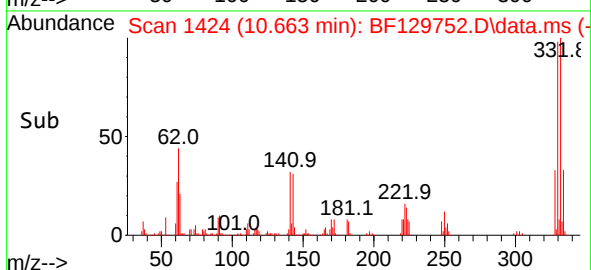
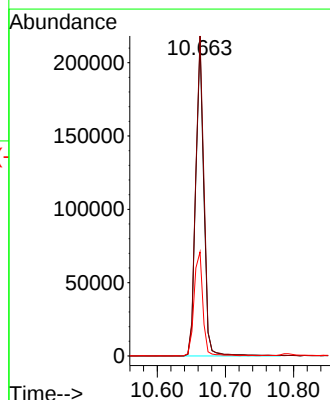
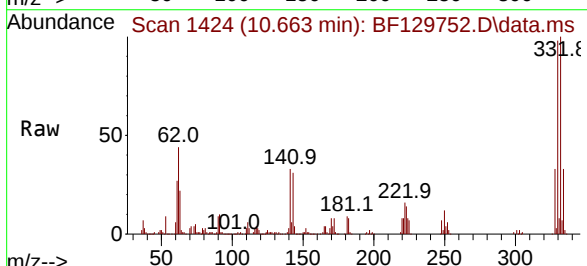
Tgt Ion:330 Resp: 175929

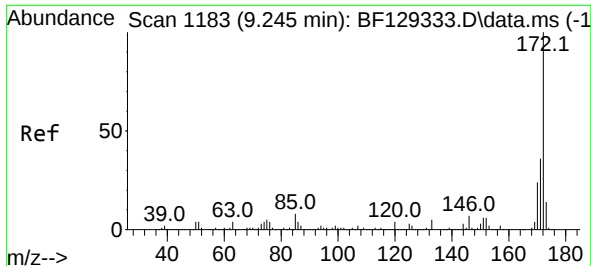
Ion Ratio Lower Upper

330 100

332 103.8 76.8 115.2

141 36.0 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 77.617 ng

RT: 9.186 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF129752.D

Acq: 12 Aug 2022 19:24

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

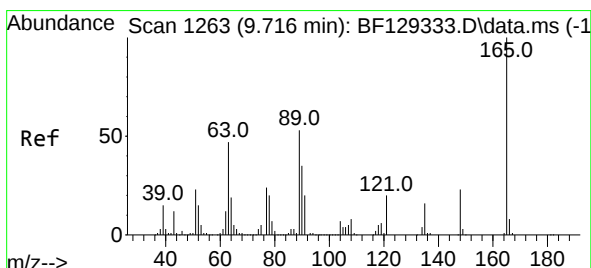
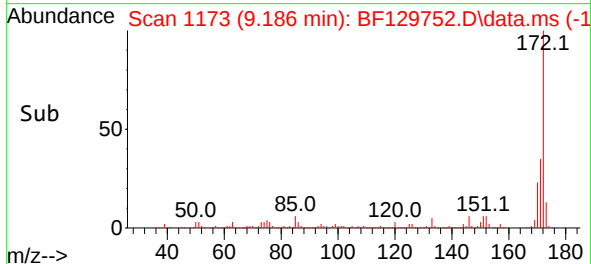
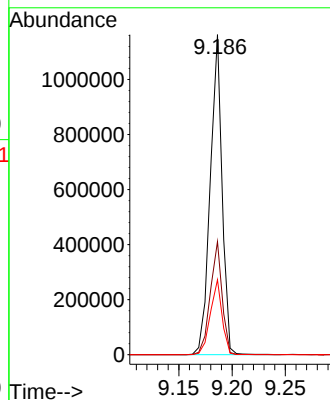
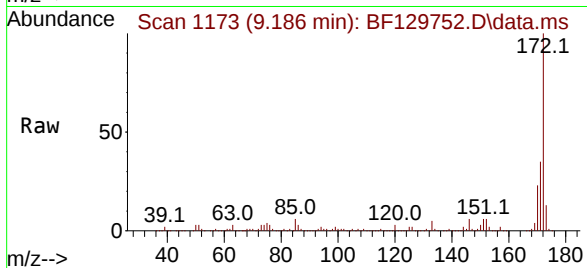
Tgt Ion:172 Resp: 900939

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.4 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 8.626 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.206 min

Lab File: BF129752.D

Acq: 12 Aug 2022 19:24

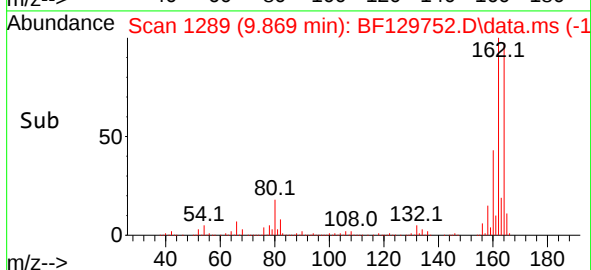
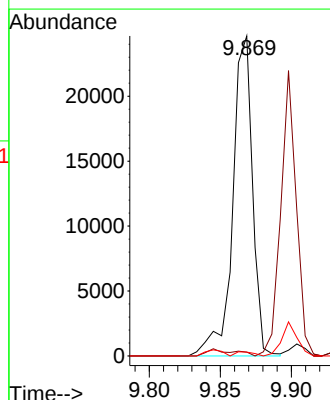
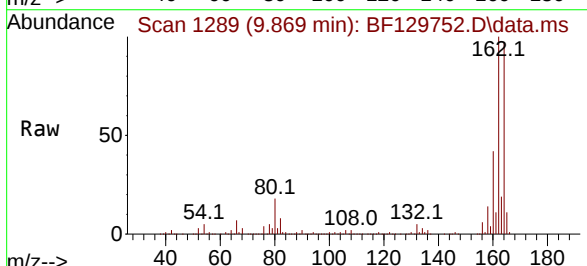
Tgt Ion:165 Resp: 23932

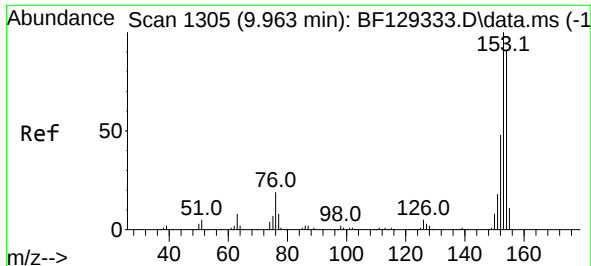
Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

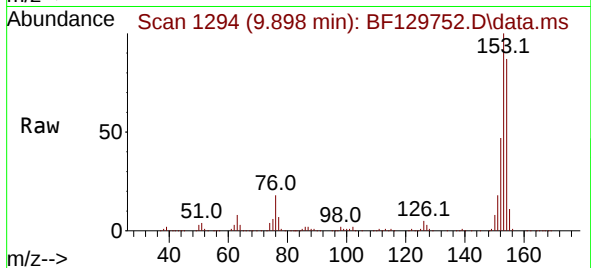
89 1.2 43.6 65.4#



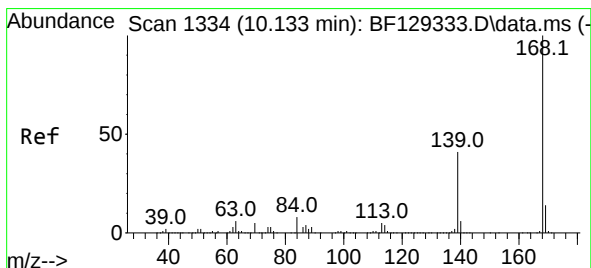
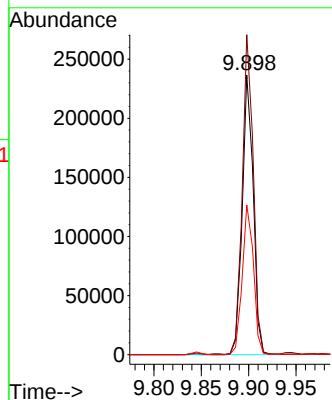
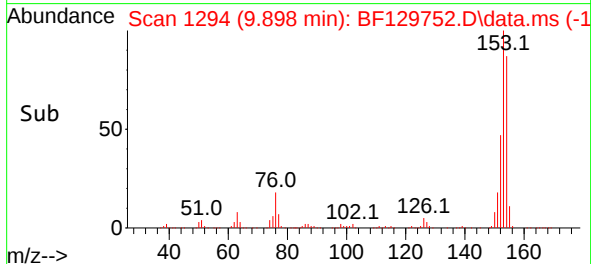


#52
Acenaphthene
Concen: 18.148 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

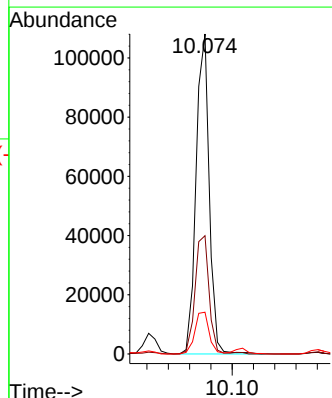
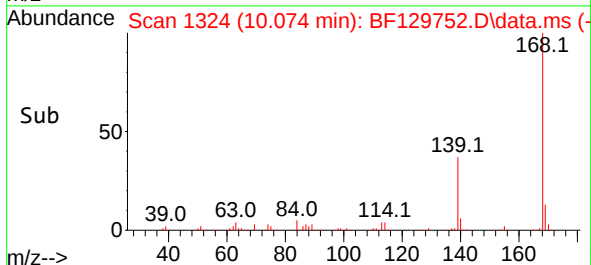
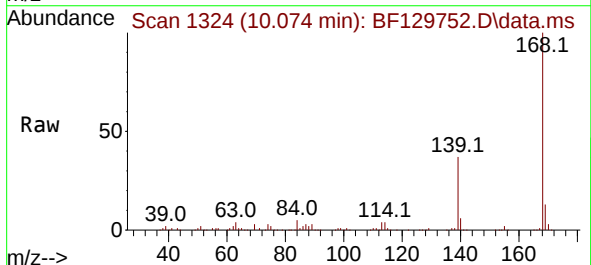


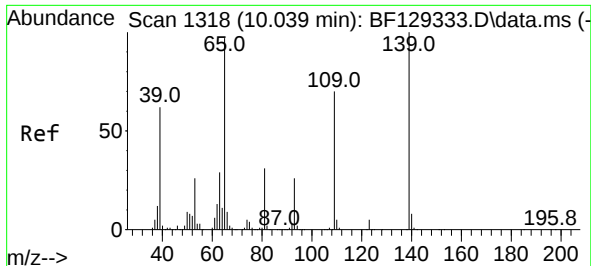
Tgt Ion:154 Resp: 190796
Ion Ratio Lower Upper
154 100
153 114.4 89.6 134.4
152 53.5 42.4 63.6



#55
Dibenzofuran
Concen: 6.400 ng
RT: 10.074 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion:168 Resp: 92757
Ion Ratio Lower Upper
168 100
139 37.0 30.6 46.0
169 13.0 11.0 16.6

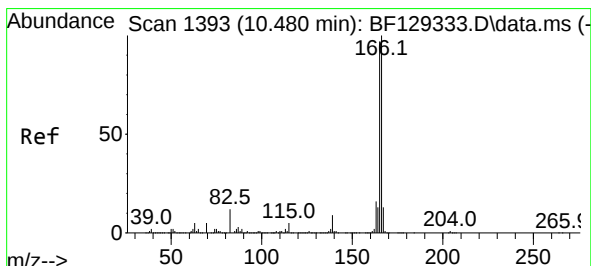
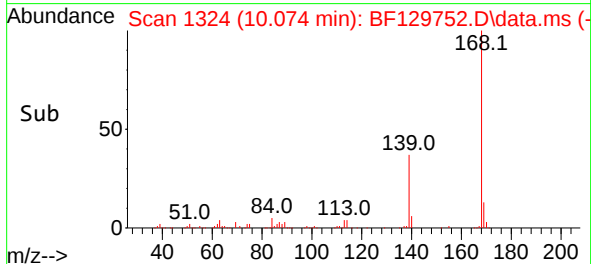
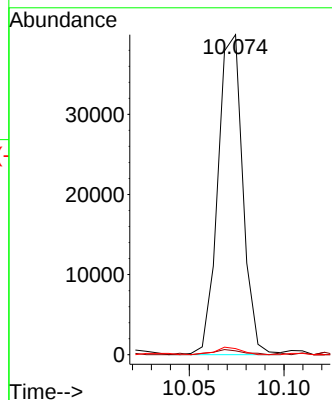
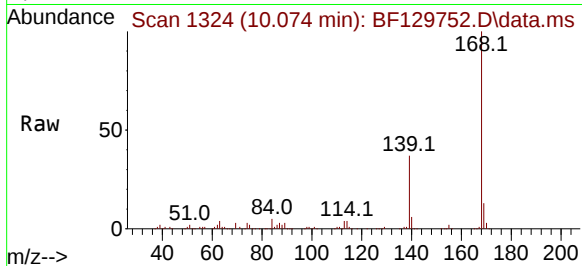




#56
4-Nitrophenol
Concen: 15.098 ng
RT: 10.074 min Scan# 1318
Delta R.T. 0.047 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

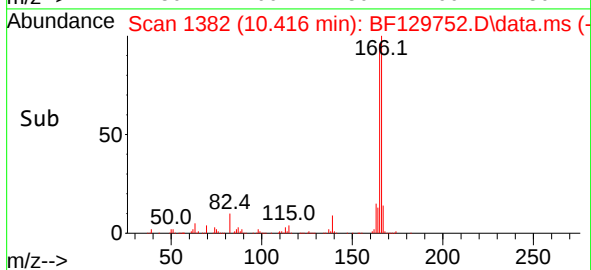
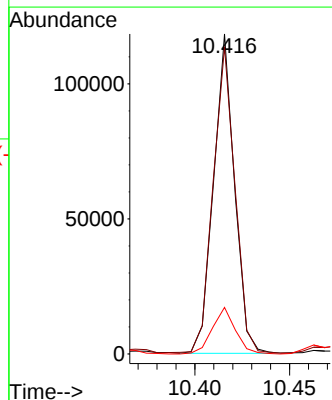
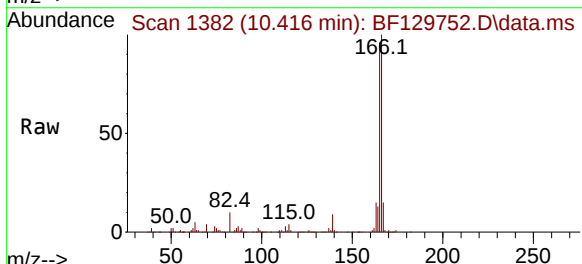
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

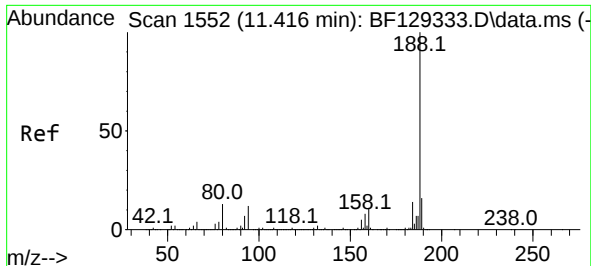
Tgt Ion:139 Resp: 36492
Ion Ratio Lower Upper
139 100
109 1.2 50.7 90.7#
65 1.9 74.5 114.5#



#58
Fluorene
Concen: 7.868 ng
RT: 10.416 min Scan# 1382
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion:166 Resp: 91240
Ion Ratio Lower Upper
166 100
165 96.0 78.1 117.1
167 14.5 10.5 15.7

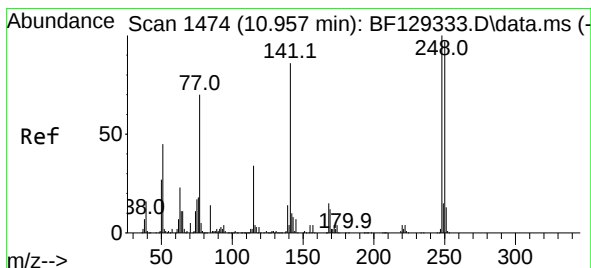
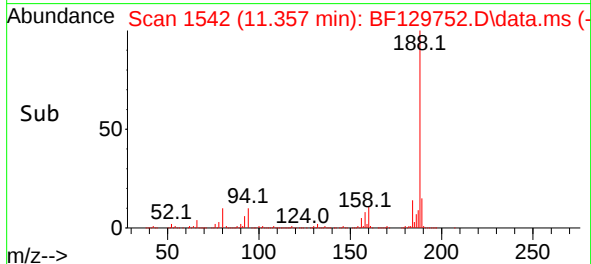
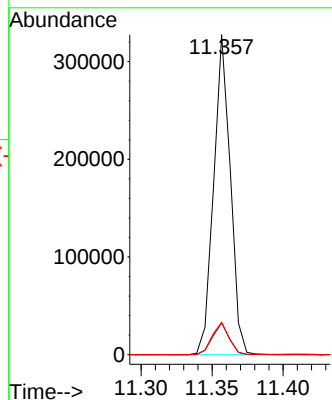
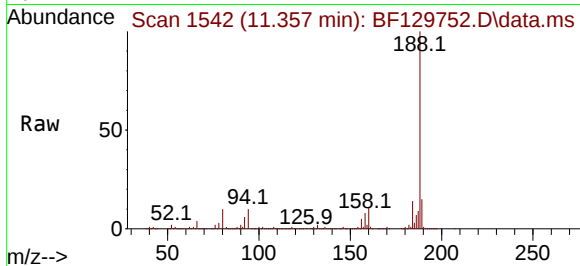




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

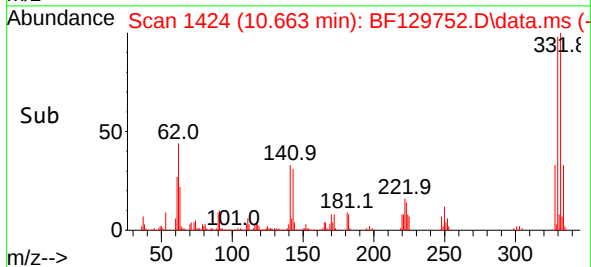
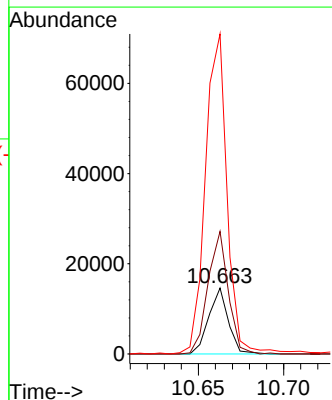
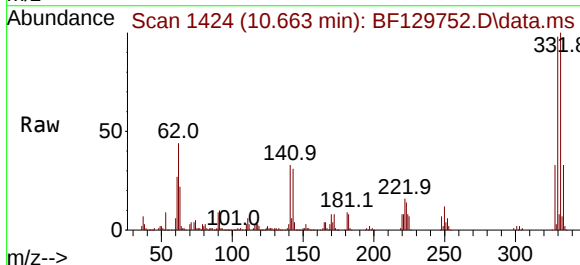
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

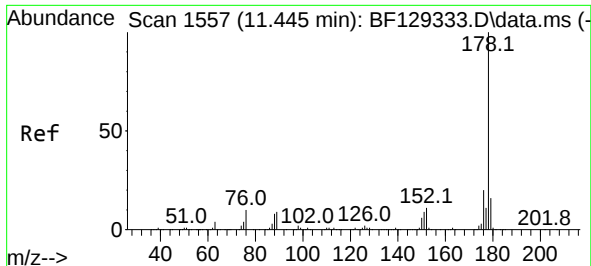
Tgt Ion:188 Resp: 266558
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.2 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.993 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.235 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion:248 Resp: 11655
Ion Ratio Lower Upper
248 100
250 185.6 80.6 120.8#
141 484.9 58.9 88.3#

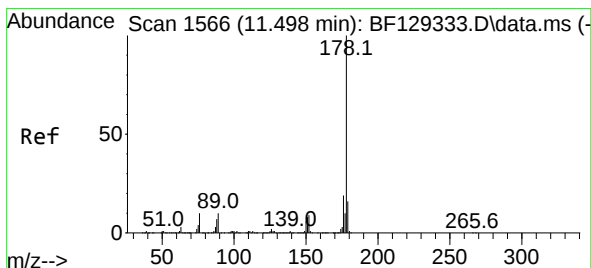
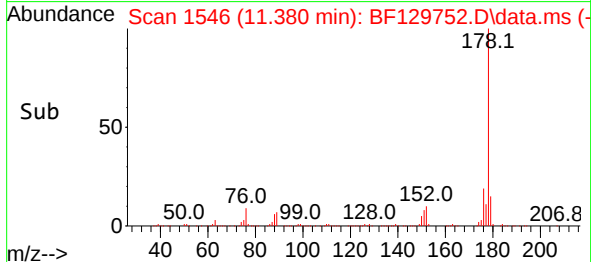
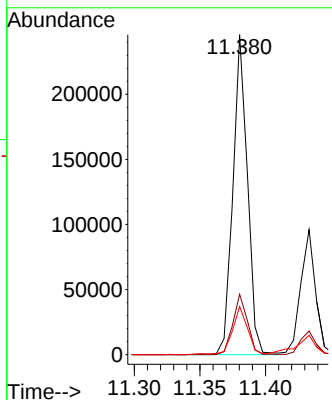
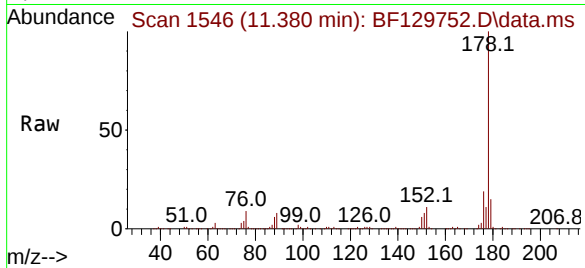




#71
Phenanthrene
Concen: 13.044 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

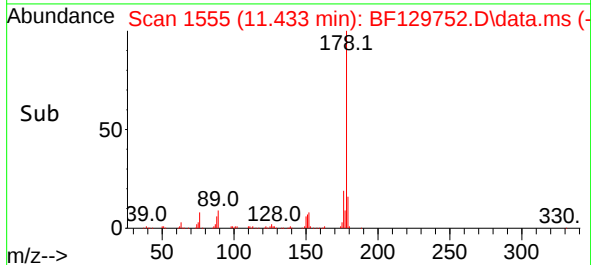
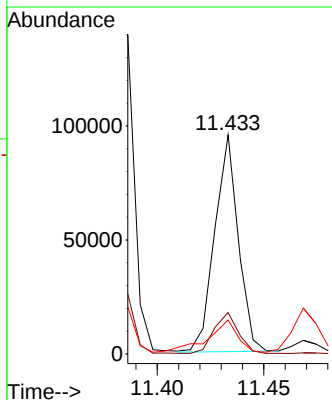
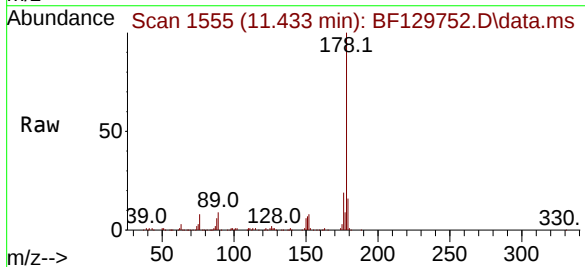
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

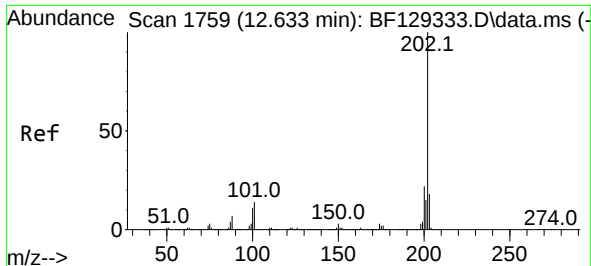
Tgt Ion:178 Resp: 189804
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 5.126 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion:178 Resp: 73293
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.5 12.6 19.0

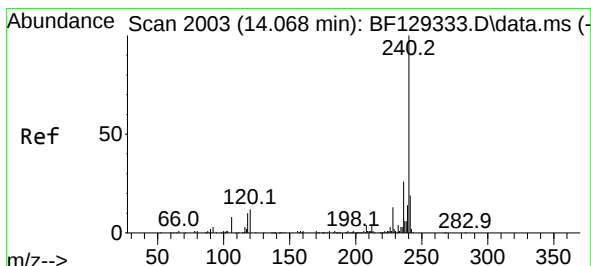
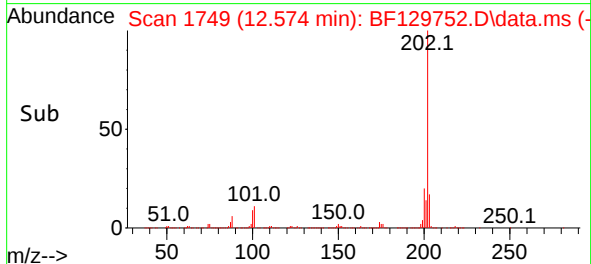
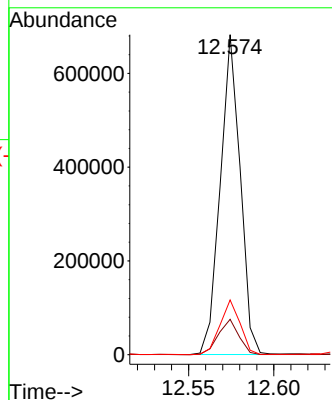
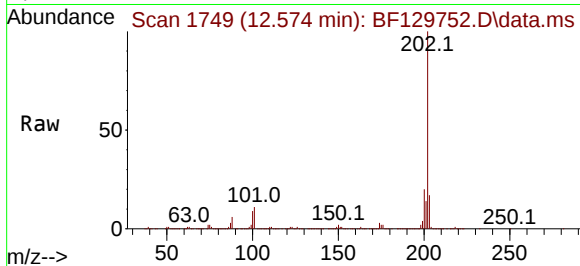




#75
Fluoranthene
Concen: 37.748 ng
RT: 12.574 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

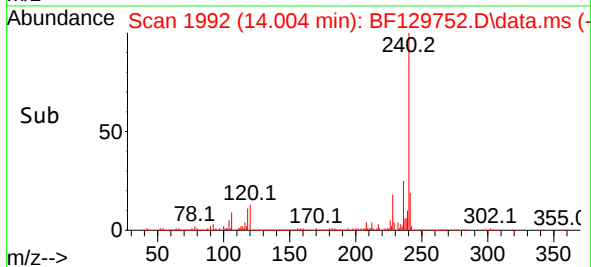
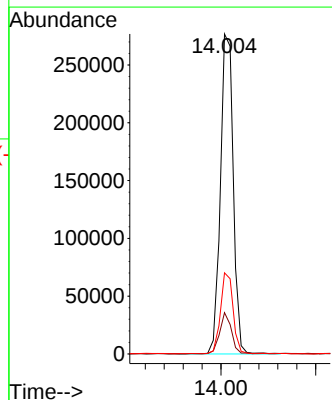
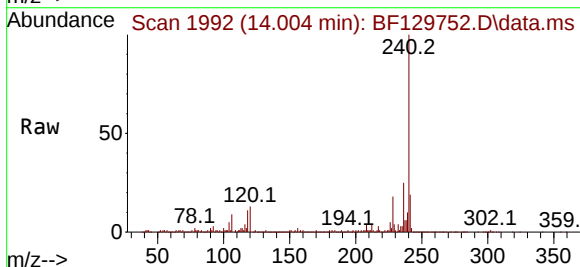
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

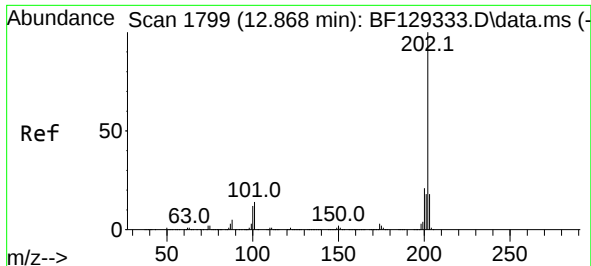
Tgt Ion:202 Resp: 556531
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 17.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion:240 Resp: 261378
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 25.3 20.8 31.2

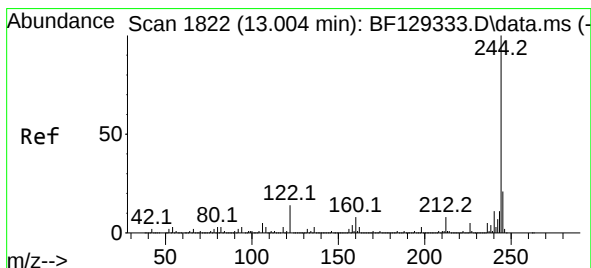
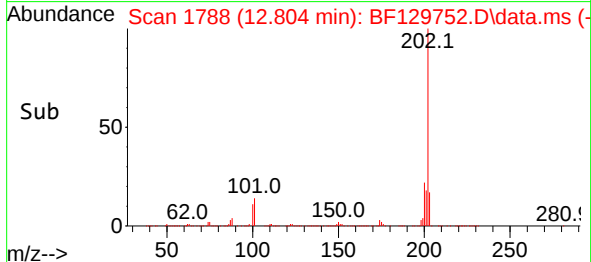
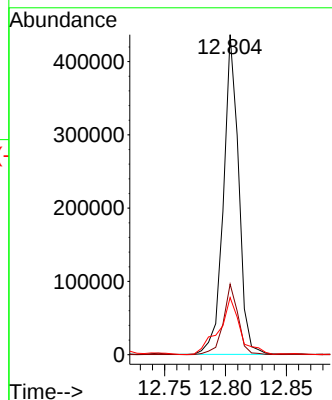
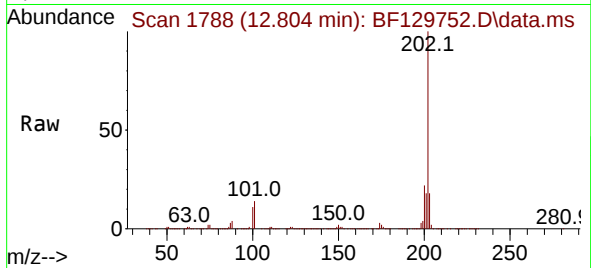




#78
Pyrene
Concen: 17.392 ng
RT: 12.804 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

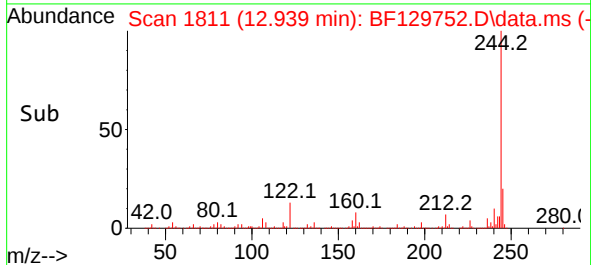
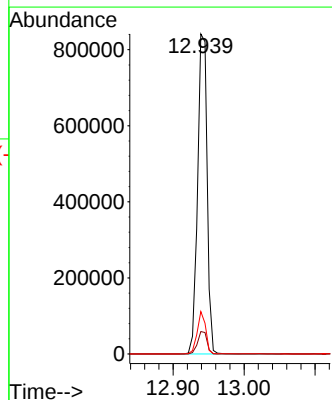
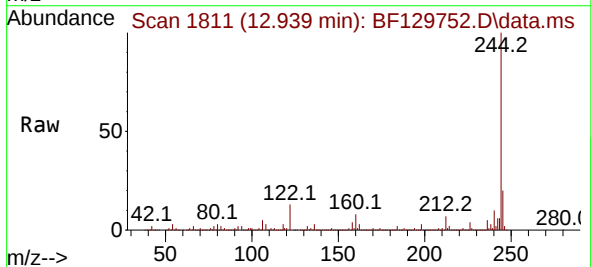
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

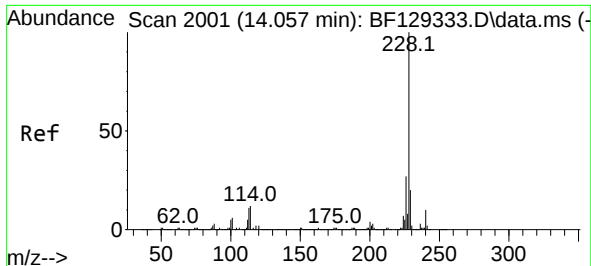
Tgt Ion:202 Resp: 380146
Ion Ratio Lower Upper
202 100
200 22.1 17.7 26.5
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 56.790 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion:244 Resp: 786797
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 13.3 8.8 13.2#

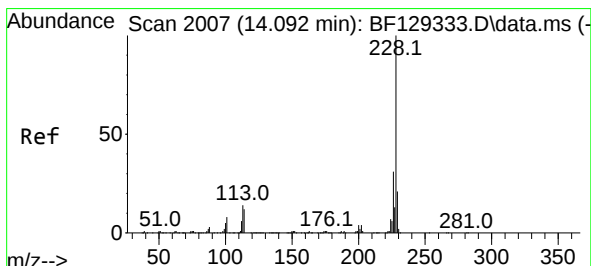
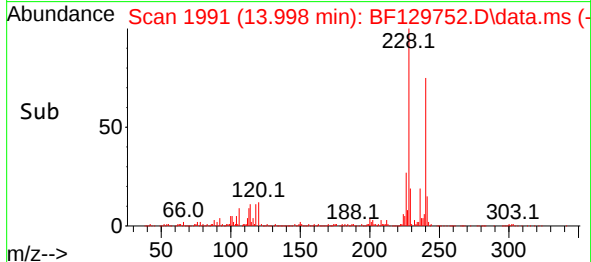
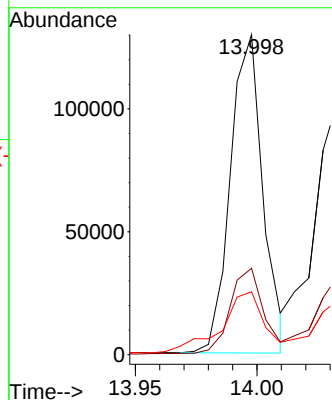
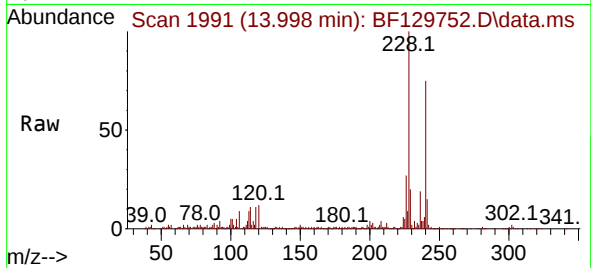




#81
Benzo(a)anthracene
Concen: 6.751 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

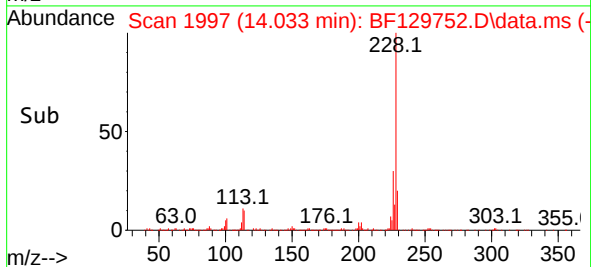
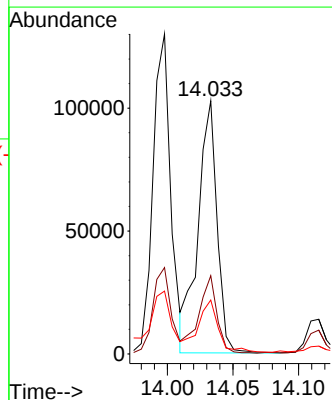
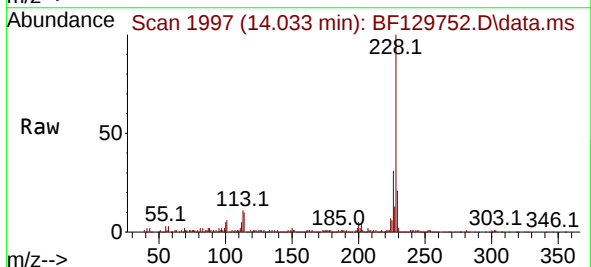
Instrument :
BNA_F
ClientSampleId :
STOCKPILE

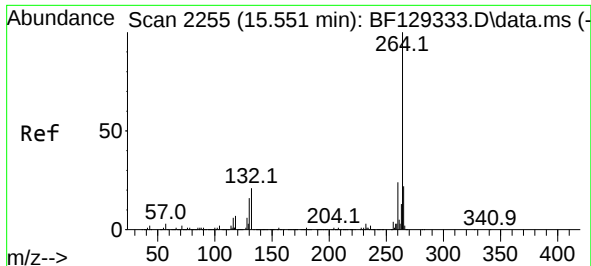
Tgt Ion:228 Resp: 120544
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 19.7 15.8 23.8



#83
Chrysene
Concen: 6.178 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129752.D
Acq: 12 Aug 2022 19:24

Tgt Ion:228 Resp: 103957
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 21.3 15.9 23.9

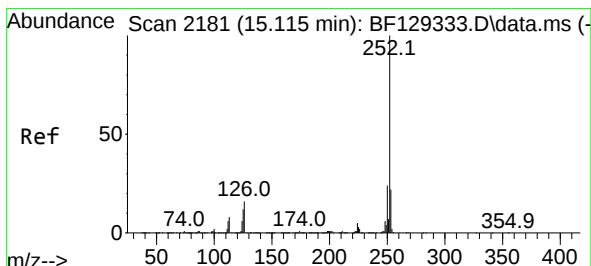
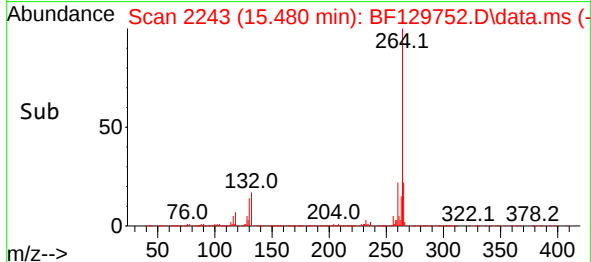
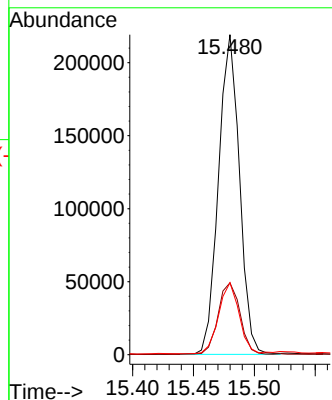
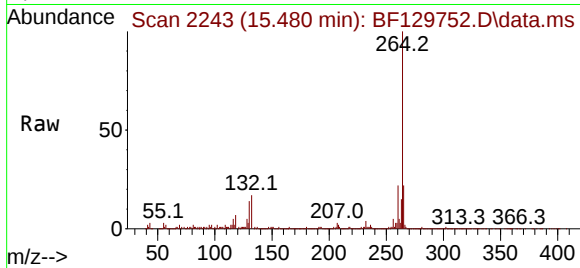




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: BF129752.D
 Acq: 12 Aug 2022 19:24

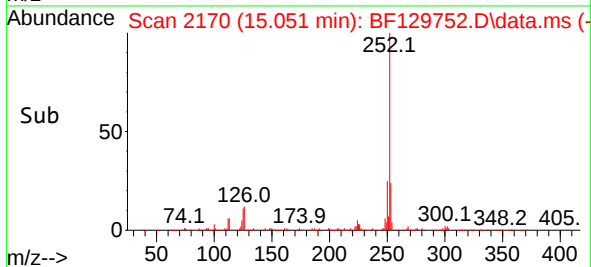
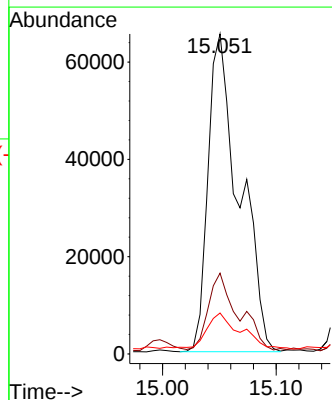
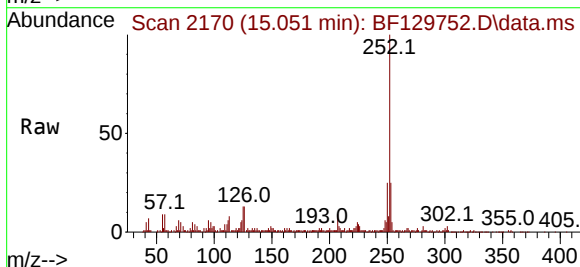
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

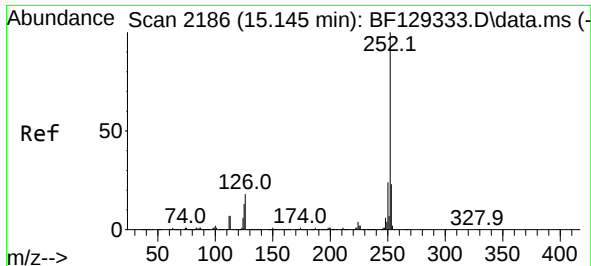
Tgt Ion:264 Resp: 262749
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.4 27.6
 265 22.5 17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 7.165 ng
 RT: 15.051 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: BF129752.D
 Acq: 12 Aug 2022 19:24

Tgt Ion:252 Resp: 124877
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.7 26.5
 125 12.8 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 7.311 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF129752.D

Acq: 12 Aug 2022 19:24

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

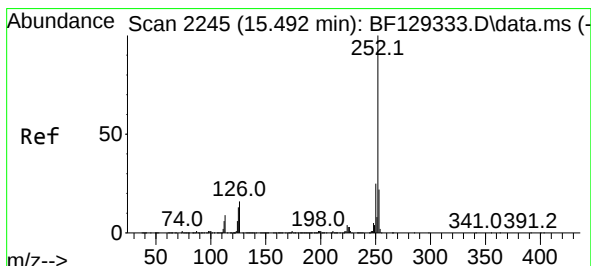
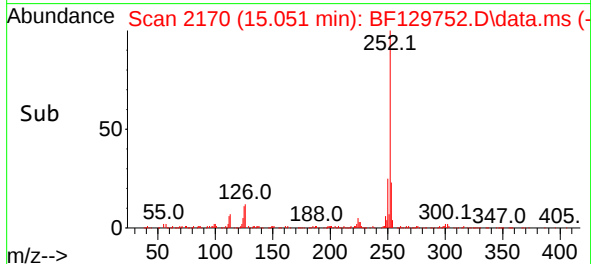
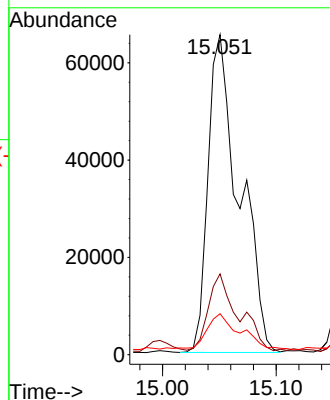
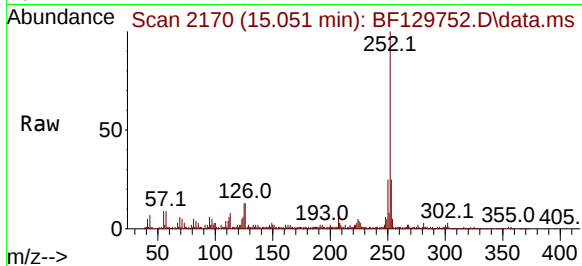
Tgt Ion:252 Resp: 124877

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

125 12.8 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.324 ng

RT: 15.415 min Scan# 2232

Delta R.T. -0.006 min

Lab File: BF129752.D

Acq: 12 Aug 2022 19:24

Tgt Ion:252 Resp: 61176

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 13.4 8.8 13.2#

