

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
 Data File : BF127372.D
 Acq On : 17 Mar 2022 13:22
 Operator : CG\JU
 Sample : N1894-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1(0-10)

Quant Time: Mar 17 13:47:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 16:51:53 2022
 Response via : Initial Calibration

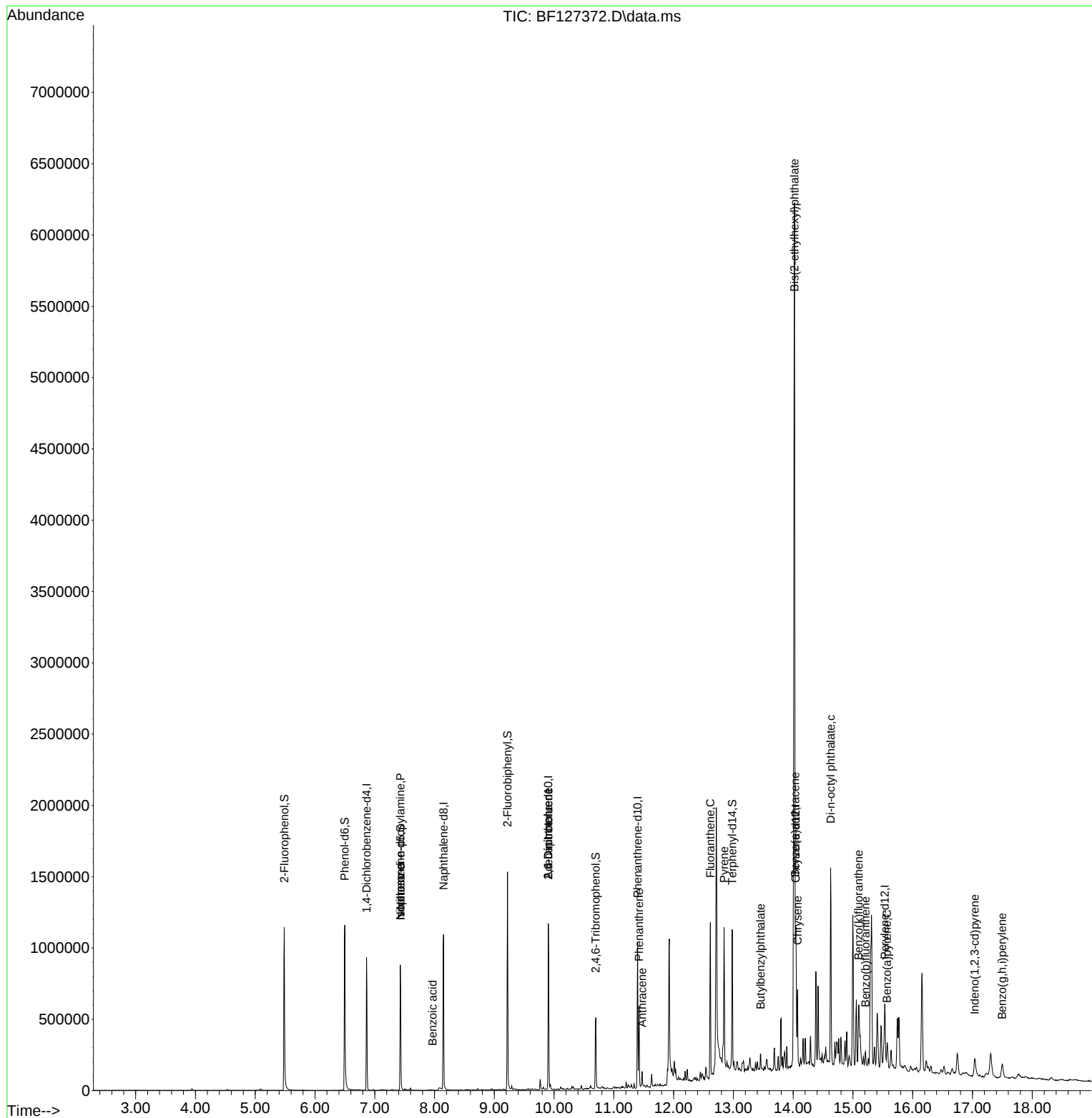
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	125139	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	439874	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	227981	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	332632	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	260669	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	195528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	280822	36.075	ng	0.00
7) Phenol-d6	6.498	99	373949	34.920	ng	0.00
23) Nitrobenzene-d5	7.428	82	253101	23.763	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	55233	22.506	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	428485	26.572	ng	-0.01
79) Terphenyl-d14	12.980	244	313513	20.710	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.440	77	533	Below Cal		Qvalue # 82
19) n-Nitroso-di-n-propyla...	7.428	70	34066	5.098	ng	# 88
25) Isophorone	7.428	82	253095	14.778	ng	# 69
32) Benzoic acid	7.969	122	113	6.645	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	29399	8.897	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	29399	6.762	ng	# 15
71) Phenanthrene	11.422	178	182868	10.414	ng	99
72) Anthracene	11.475	178	41729	2.400	ng	98
75) Fluoranthene	12.616	202	414022	21.088	ng	92
78) Pyrene	12.845	202	375757	18.507	ng	100
80) Butylbenzylphthalate	13.457	149	25780	3.299	ng	# 86
81) Benzo(a)anthracene	14.033	228	200569	11.427	ng	98
83) Chrysene	14.074	228	194214	11.897	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	2037634	193.716	ng	# 95
85) Di-n-octyl phthalate	14.627	149	611068	38.382	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.039	276	86284	7.325	ng	# 81
88) Benzo(b)fluoranthene	15.210	252	37925	2.955	ng	93
89) Benzo(k)fluoranthene	15.098	252	296244	24.548	ng	# 94
90) Benzo(a)pyrene	15.568	252	45800	4.532	ng	94
92) Benzo(g,h,i)perylene	17.498	276	85763	8.968	ng	# 84

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

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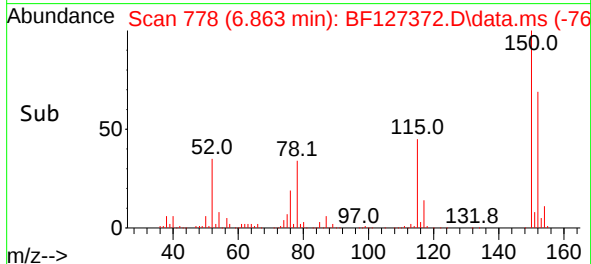
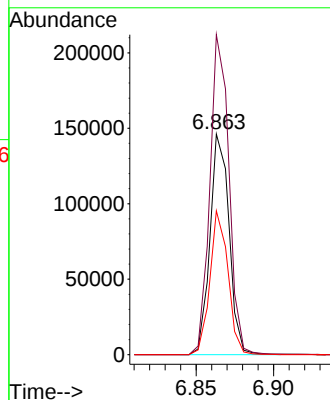
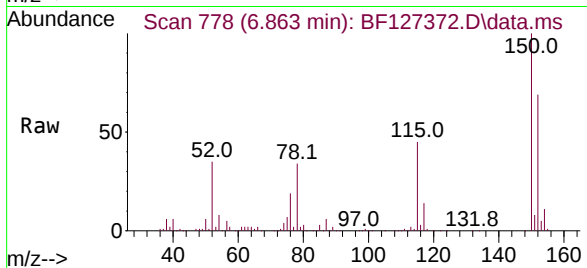




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

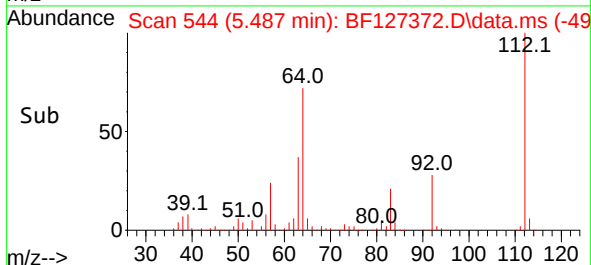
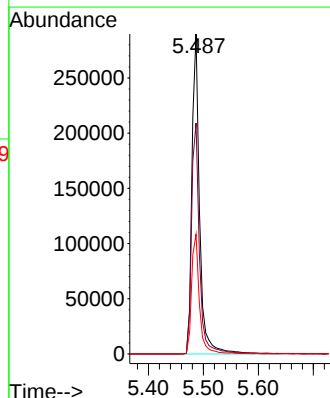
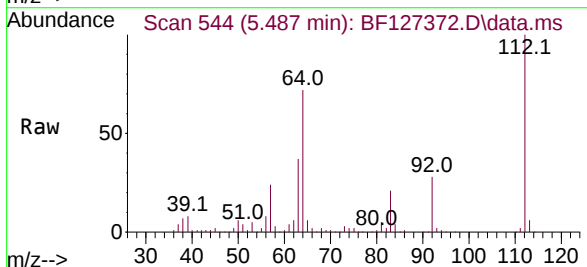
Instrument :
BNA_F
ClientSampleId :
TP1(0-10)

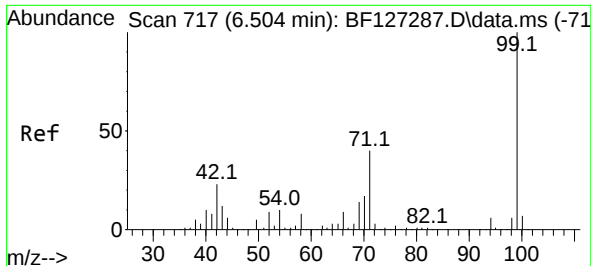
Tgt Ion:152 Resp: 125139
Ion Ratio Lower Upper
152 100
150 145.0 128.1 192.1
115 65.2 56.7 85.1



#5
2-Fluorophenol
Concen: 36.075 ng
RT: 5.487 min Scan# 544
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

Tgt Ion:112 Resp: 280822
Ion Ratio Lower Upper
112 100
64 72.1 49.5 74.3
63 37.4 23.9 35.9#





#7

Phenol-d6

Concen: 34.920 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

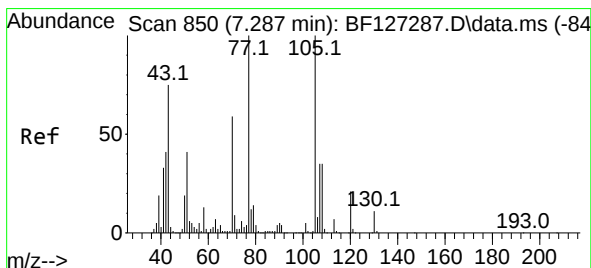
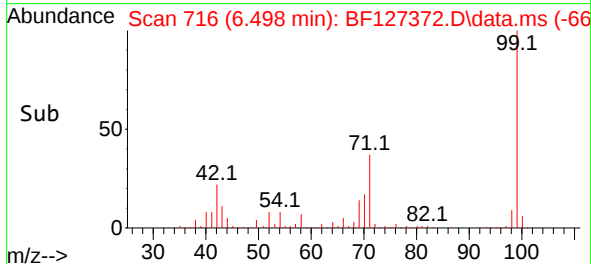
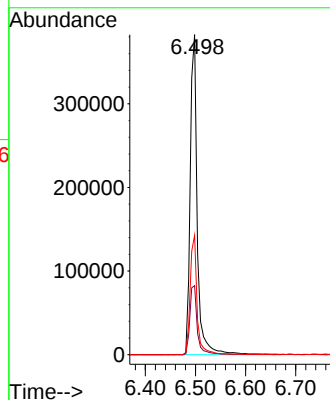
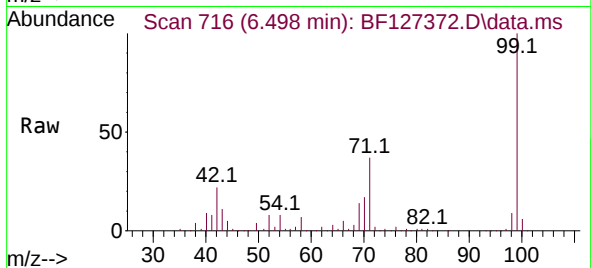
Tgt Ion: 99 Resp: 373949

Ion Ratio Lower Upper

99 100

42 21.6 14.2 21.4#

71 37.3 24.3 36.5#



#19

n-Nitroso-di-n-propylamine

Concen: 5.098 ng

RT: 7.428 min Scan# 874

Delta R.T. 0.141 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Tgt Ion: 70 Resp: 34066

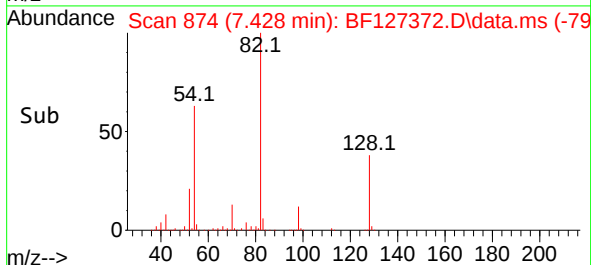
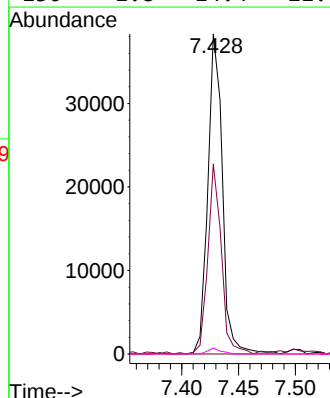
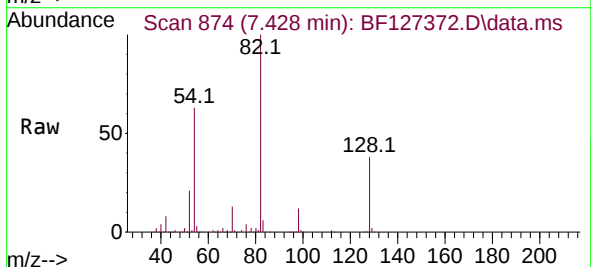
Ion Ratio Lower Upper

70 100

42 59.4 45.8 68.8

101 0.0 6.9 10.3#

130 1.8 14.4 21.6#

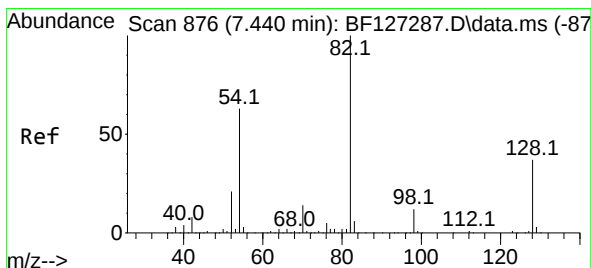
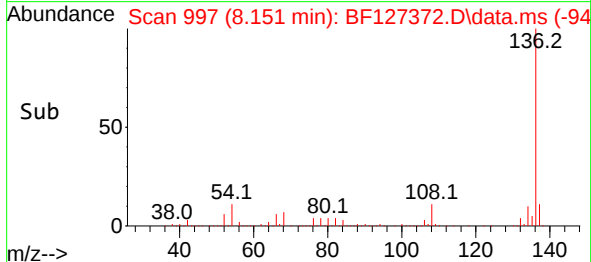
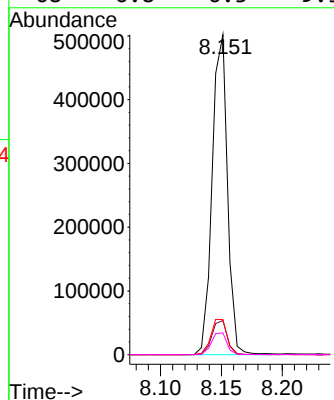
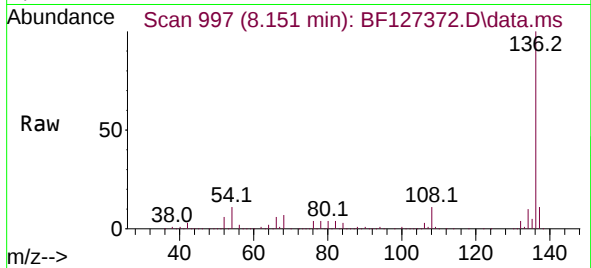




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

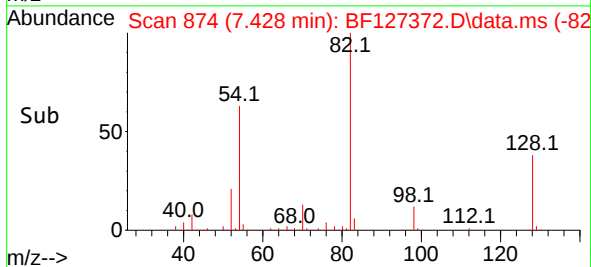
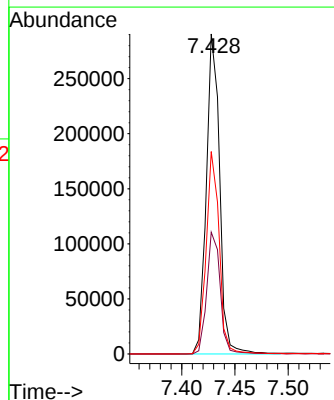
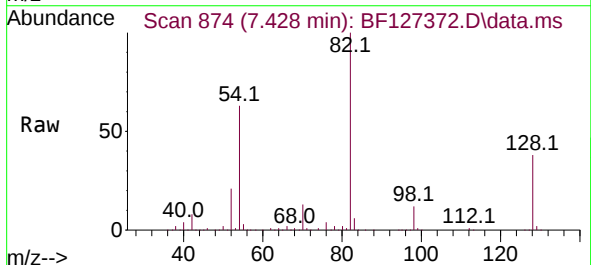
Instrument :
BNA_F
ClientSampleId :
TP1(0-10)

Tgt Ion:136 Resp: 439874
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 11.0 7.8 11.6
68 6.8 6.3 9.5



#23
Nitrobenzene-d5
Concen: 23.763 ng
RT: 7.428 min Scan# 874
Delta R.T. -0.012 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

Tgt Ion: 82 Resp: 253101
Ion Ratio Lower Upper
82 100
128 38.1 32.7 49.1
54 63.2 41.7 62.5#

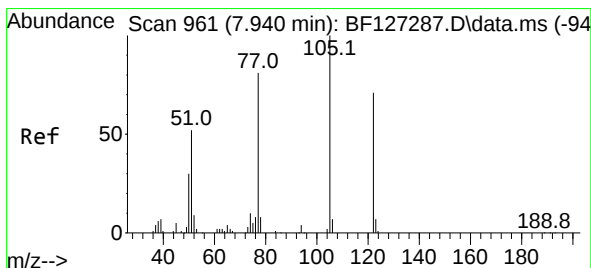
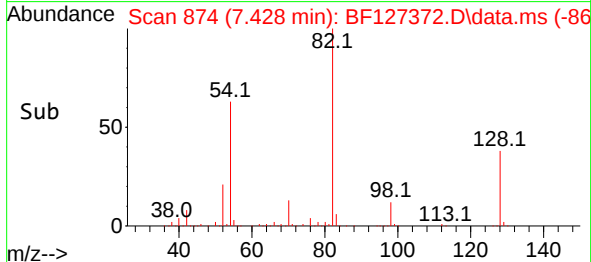
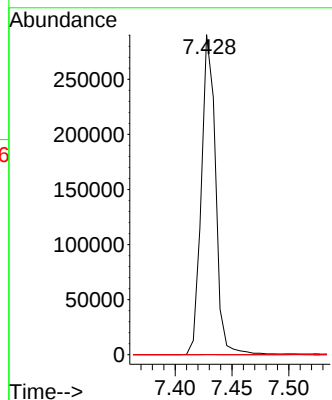
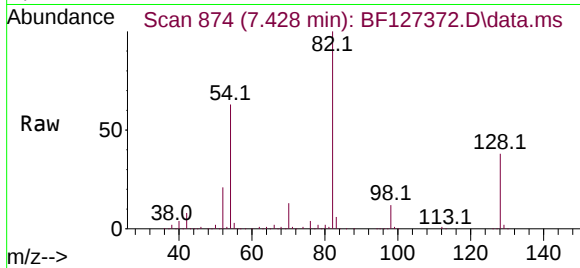




#25
Isophorone
Concen: 14.778 ng
RT: 7.428 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

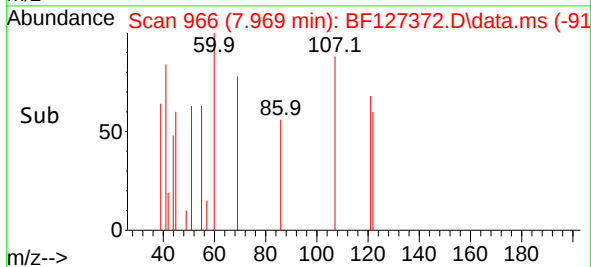
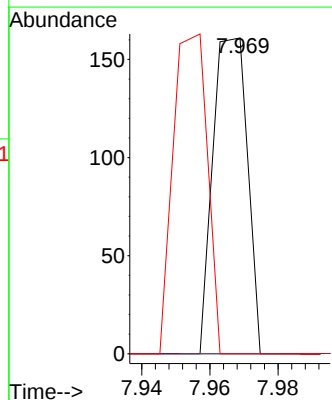
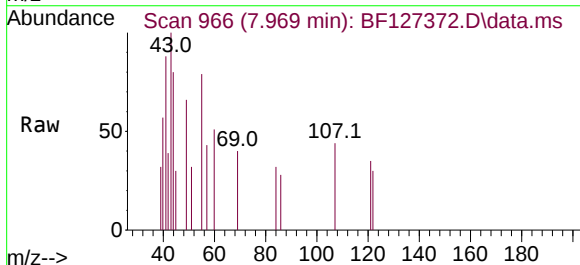
Instrument :
BNA_F
ClientSampleId :
TP1(0-10)

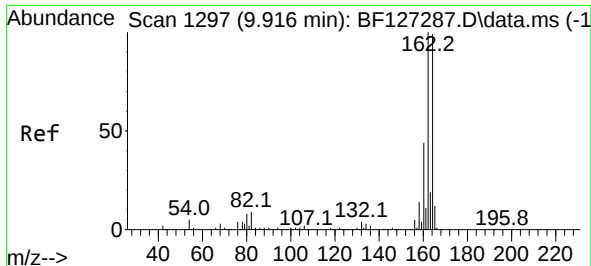
Tgt Ion: 82 Resp: 253095
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#



#32
Benzoic acid
Concen: 6.645 ng
RT: 7.969 min Scan# 966
Delta R.T. 0.029 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

Tgt Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 0.0 101.0 141.0#
77 0.0 74.5 114.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

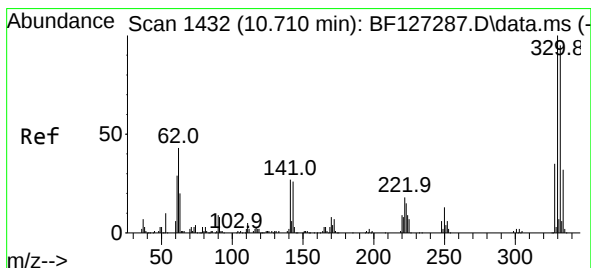
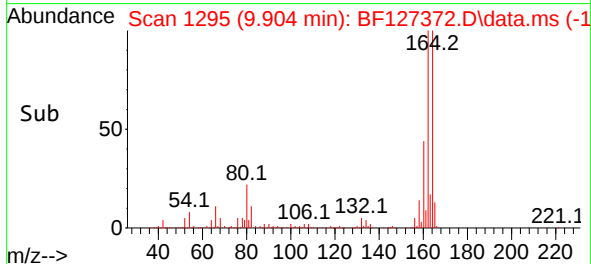
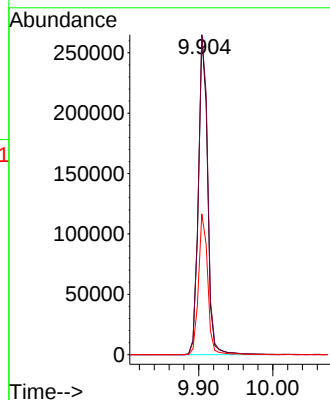
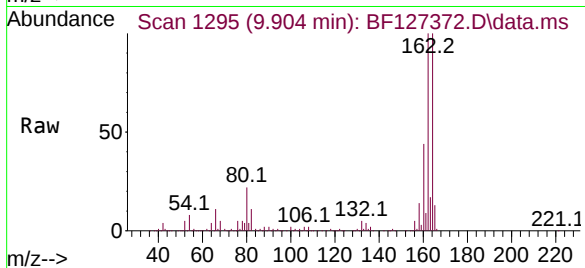
Tgt Ion:164 Resp: 227981

Ion Ratio Lower Upper

164 100

162 100.2 81.4 122.0

160 44.1 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 22.506 ng

RT: 10.698 min Scan# 1430

Delta R.T. -0.012 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

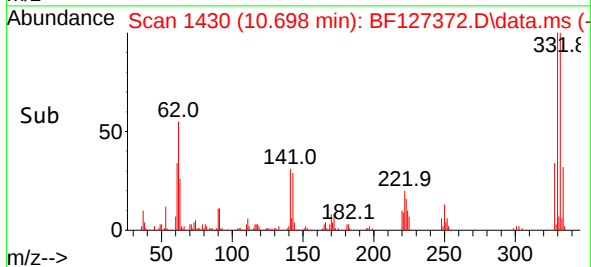
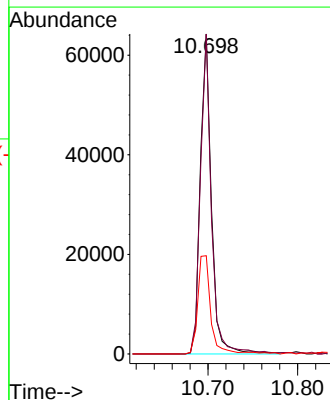
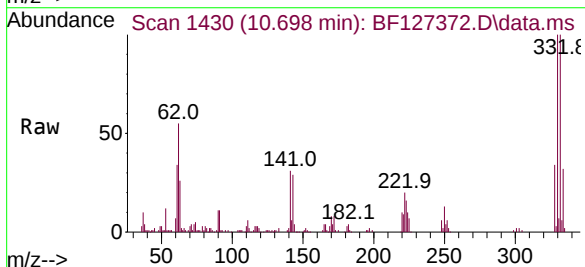
Tgt Ion:330 Resp: 55233

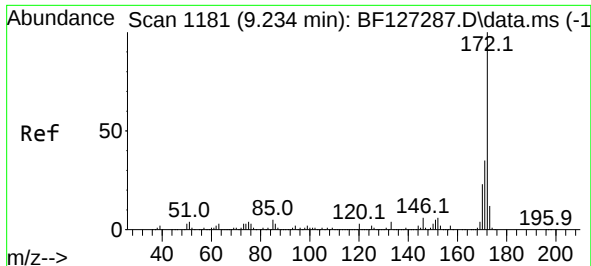
Ion Ratio Lower Upper

330 100

332 98.3 76.0 114.0

141 36.2 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 26.572 ng

RT: 9.222 min Scan# 1181

Delta R.T. -0.012 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

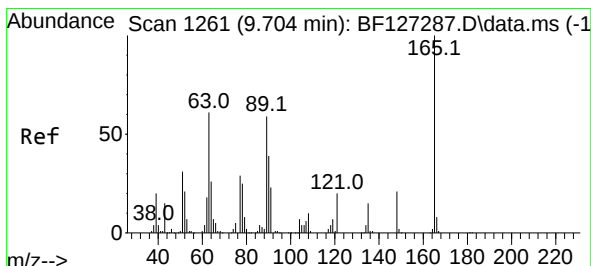
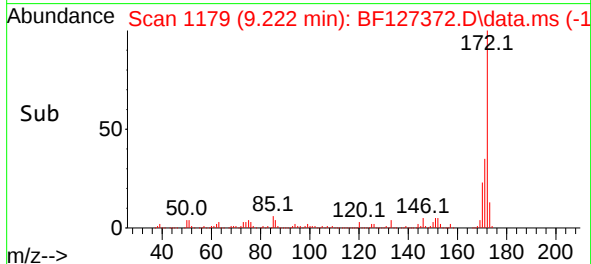
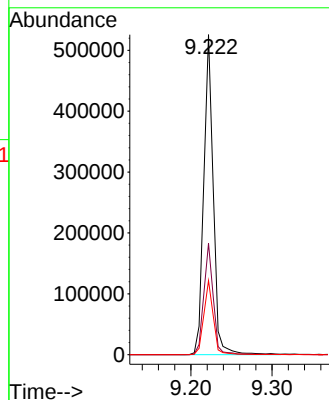
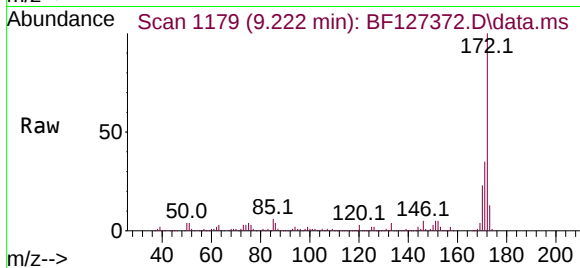
Tgt Ion:172 Resp: 428485

Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.2 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.897 ng

RT: 9.904 min Scan# 1295

Delta R.T. 0.200 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

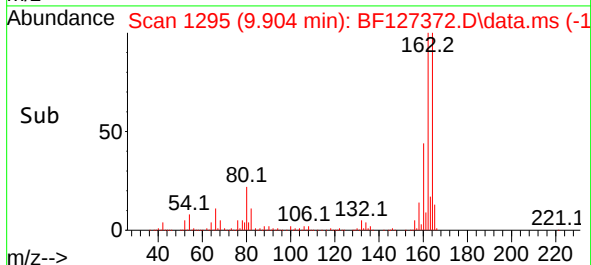
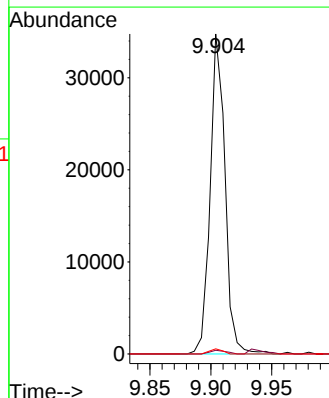
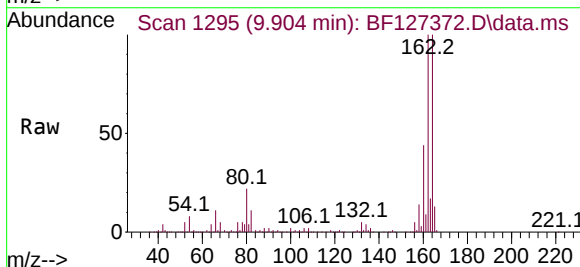
Tgt Ion:165 Resp: 29399

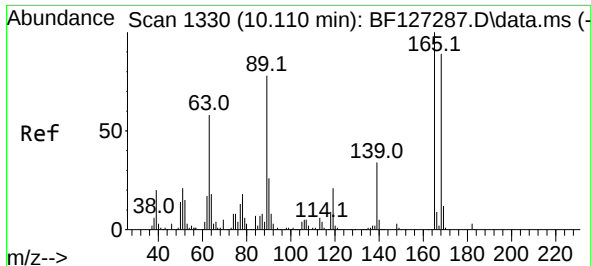
Ion Ratio Lower Upper

165 100

63 1.1 48.4 72.6#

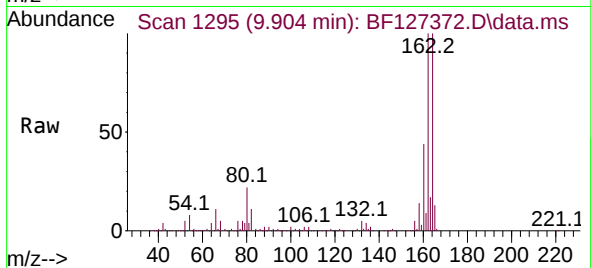
89 1.6 50.5 75.7#



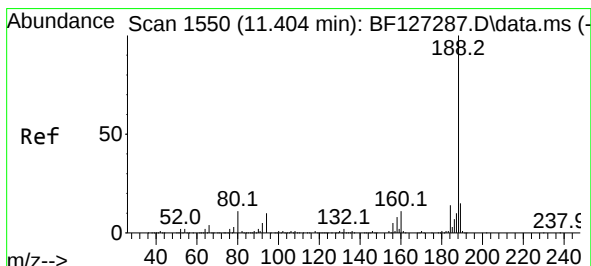
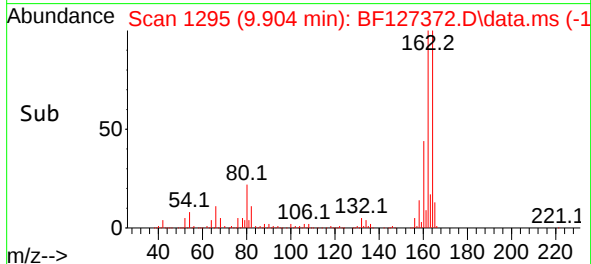
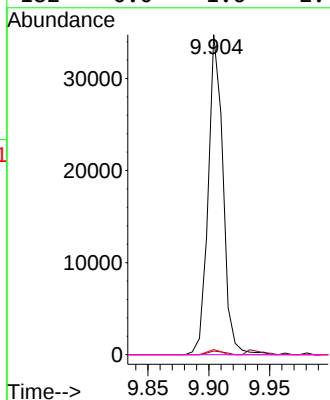


#57
2,4-Dinitrotoluene
Concen: 6.762 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

Instrument :
BNA_F
ClientSampleId :
TP1(0-10)

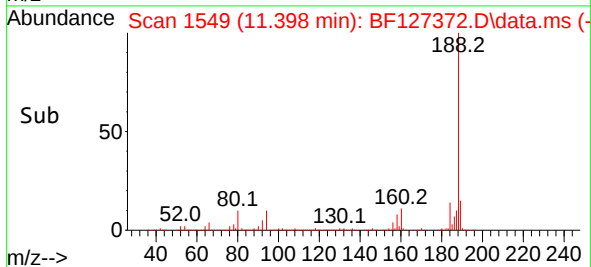
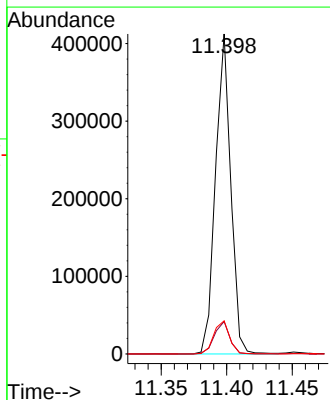
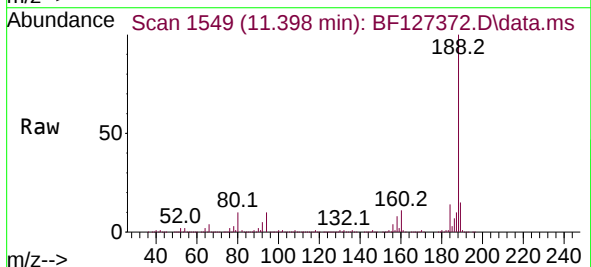


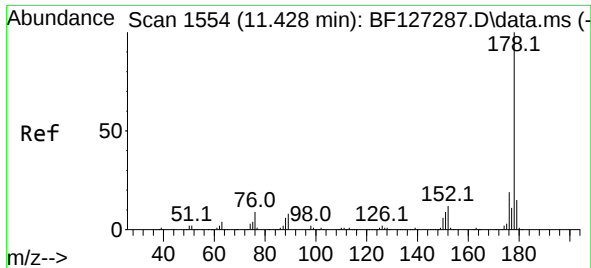
Tgt Ion:165 Resp: 29399
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 1.6 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

Tgt Ion:188 Resp: 332632
Ion Ratio Lower Upper
188 100
94 10.2 10.1 15.1
80 10.3 11.8 17.6#

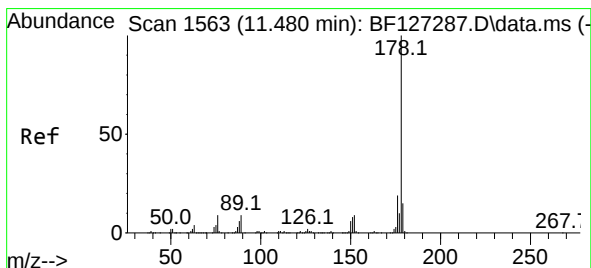
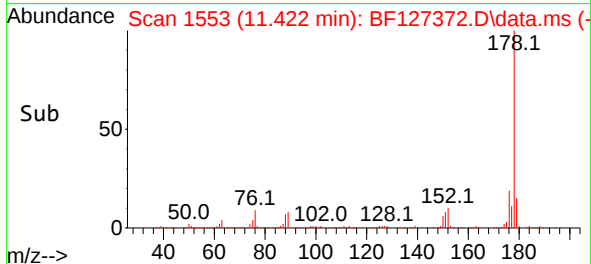
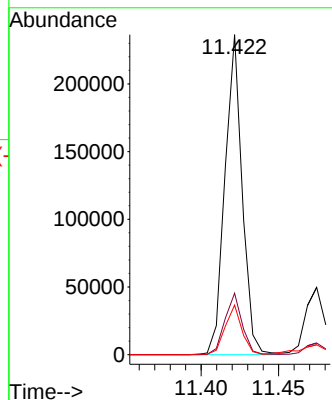
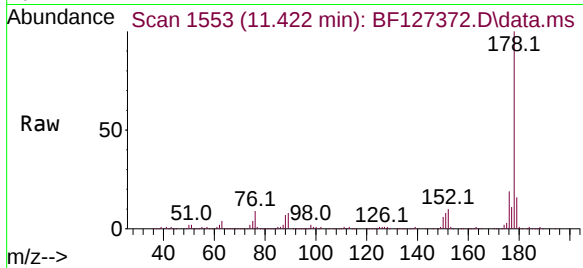




#71
Phenanthrene
Concen: 10.414 ng
RT: 11.422 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

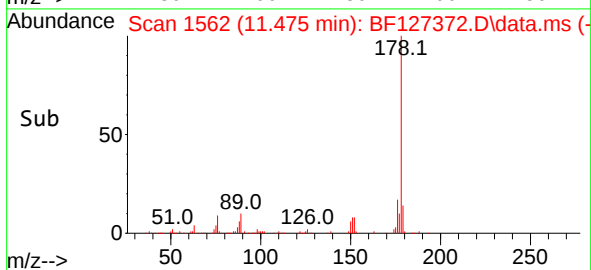
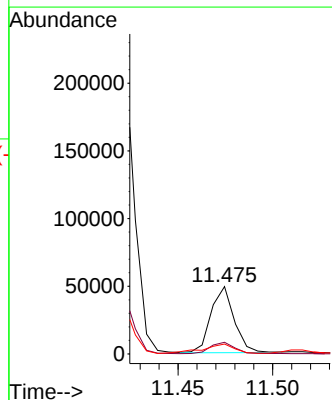
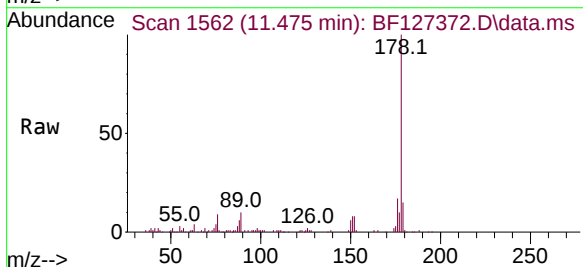
Instrument :
BNA_F
ClientSampleId :
TP1(0-10)

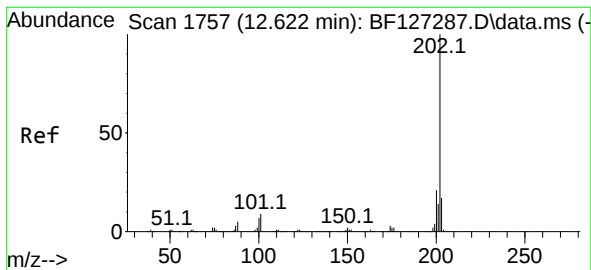
Tgt Ion:178 Resp: 182868
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.5 12.3 18.5



#72
Anthracene
Concen: 2.400 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

Tgt Ion:178 Resp: 41729
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.6
179 14.8 12.5 18.7





#75

Fluoranthene

Concen: 21.088 ng

RT: 12.616 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

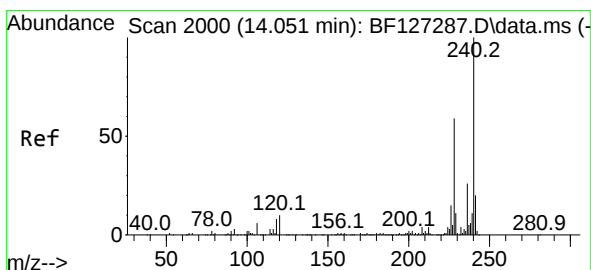
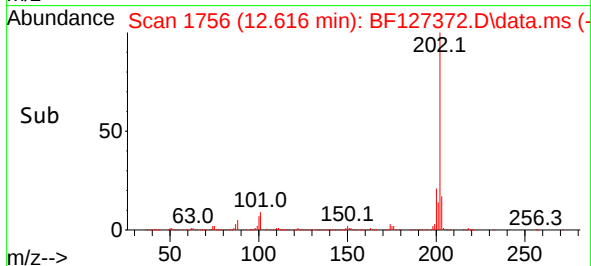
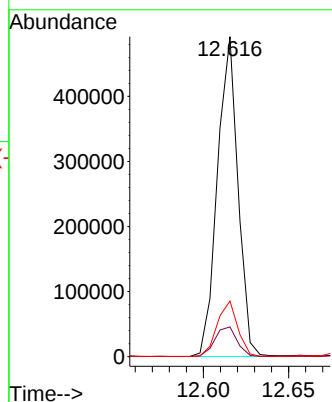
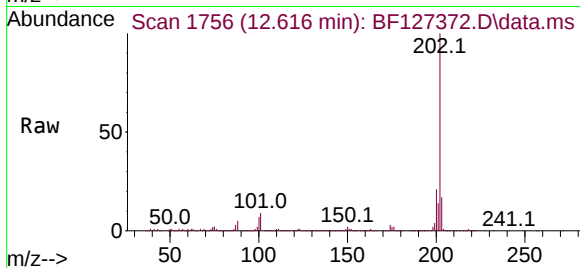
Tgt Ion:202 Resp: 414022

Ion Ratio Lower Upper

202 100

101 9.3 0.0 35.7

203 17.4 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 1999

Delta R.T. -0.006 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

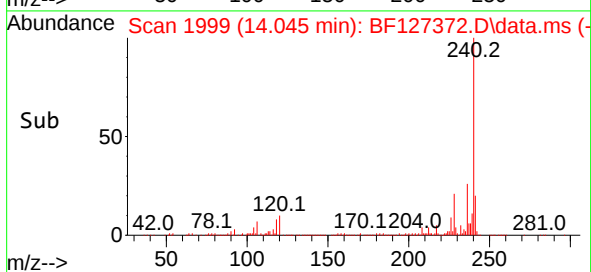
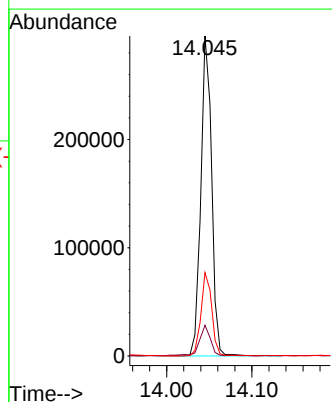
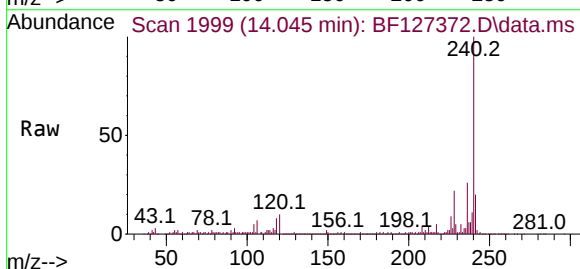
Tgt Ion:240 Resp: 260669

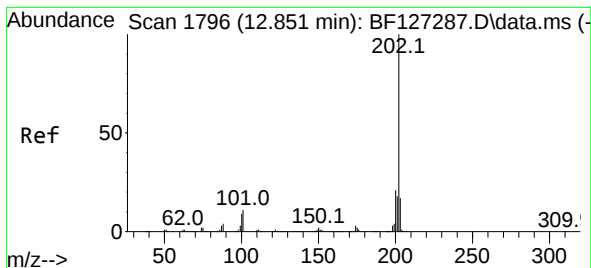
Ion Ratio Lower Upper

240 100

120 9.6 14.4 21.6#

236 26.0 20.5 30.7





#78

Pyrene

Concen: 18.507 ng

RT: 12.845 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

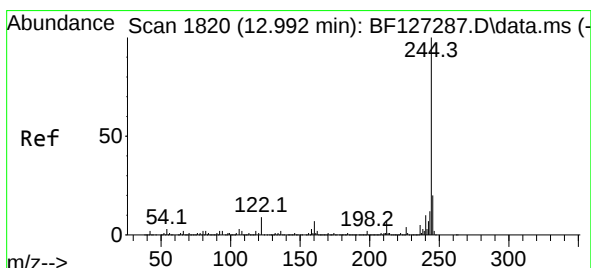
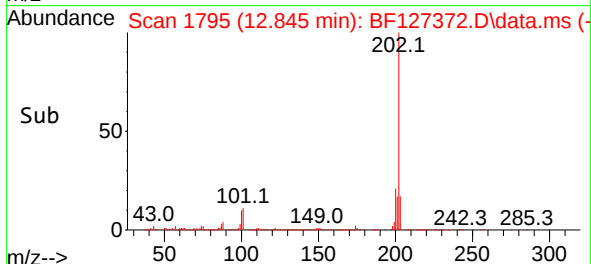
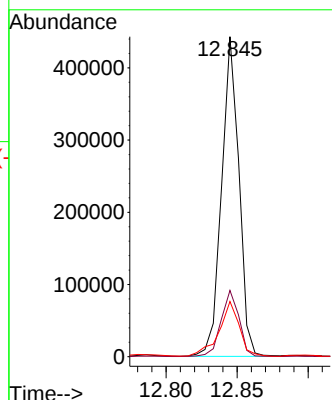
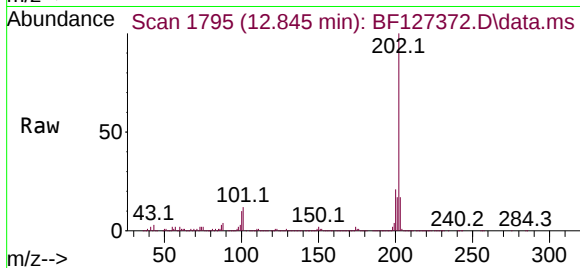
Tgt Ion:202 Resp: 375757

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

203 17.3 13.8 20.8



#79

Terphenyl-d14

Concen: 20.710 ng

RT: 12.980 min Scan# 1818

Delta R.T. -0.012 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

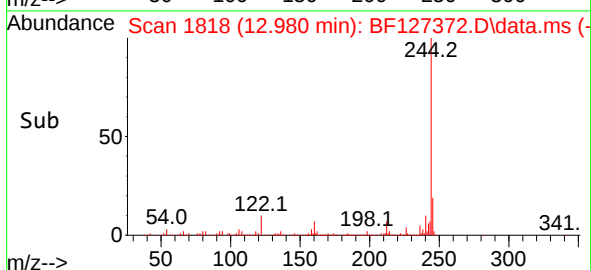
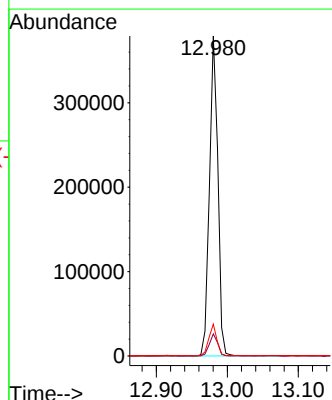
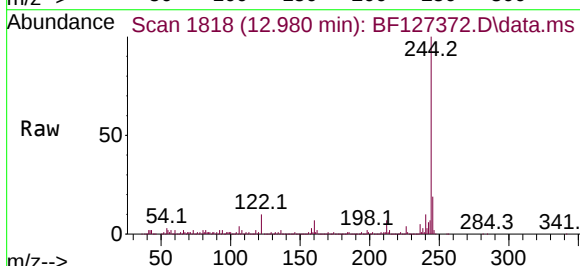
Tgt Ion:244 Resp: 313513

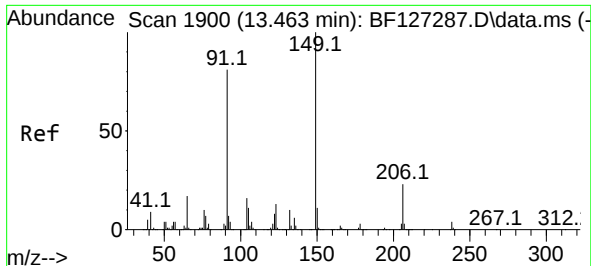
Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

122 10.0 13.3 19.9#

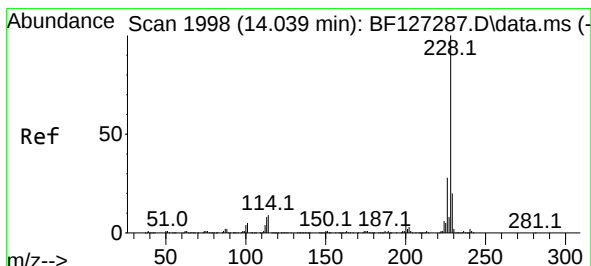
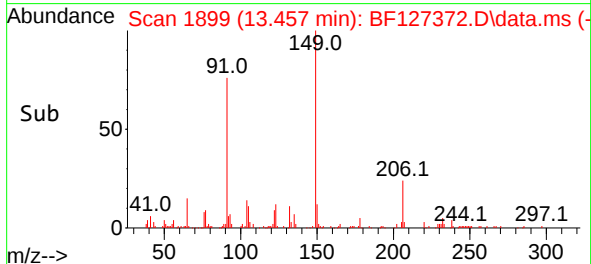
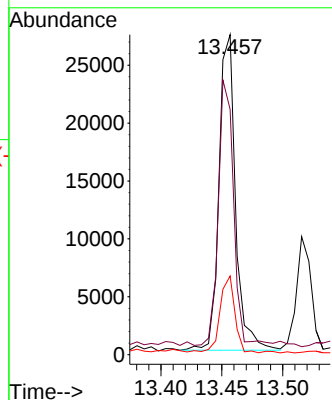
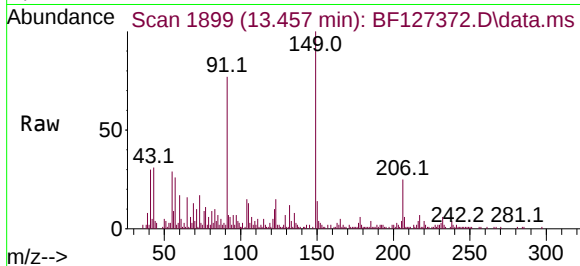




#80
Butylbenzylphthalate
Concen: 3.299 ng
RT: 13.457 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

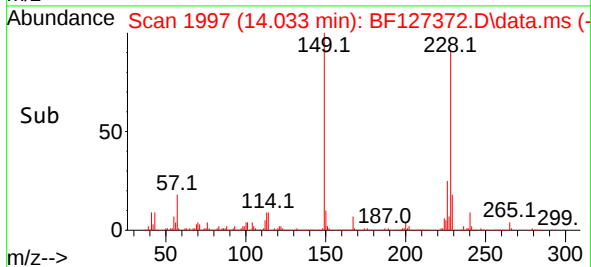
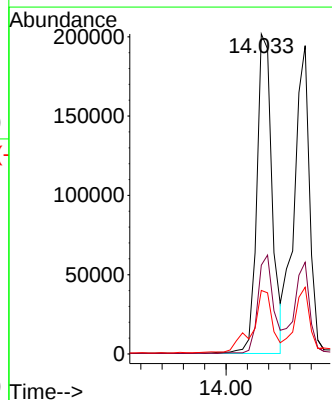
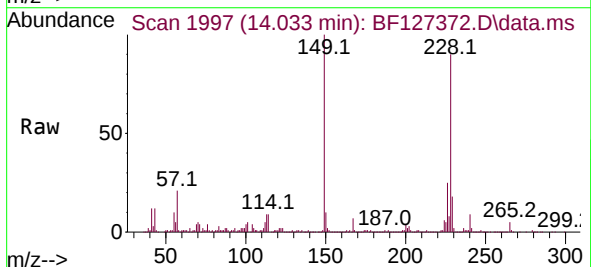
Instrument :
BNA_F
ClientSampleId :
TP1(0-10)

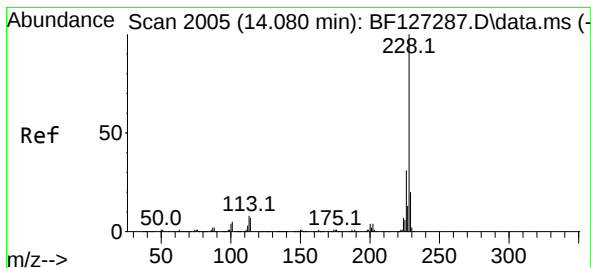
Tgt Ion:149 Resp: 25780
Ion Ratio Lower Upper
149 100
91 76.6 70.5 105.7
206 24.6 12.6 19.0#



#81
Benzo(a)anthracene
Concen: 11.427 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF127372.D
Acq: 17 Mar 2022 13:22

Tgt Ion:228 Resp: 200569
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.0
229 19.8 15.4 23.2





#83

Chrysene

Concen: 11.897 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

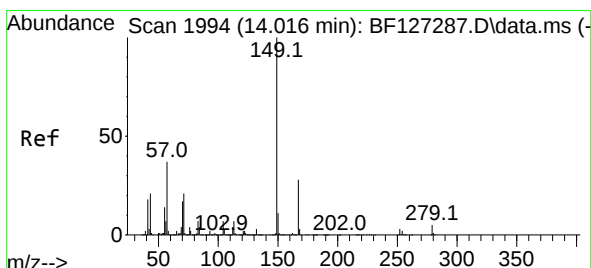
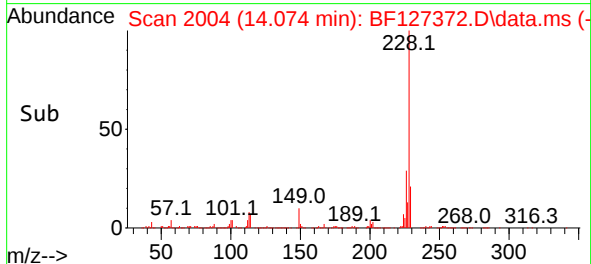
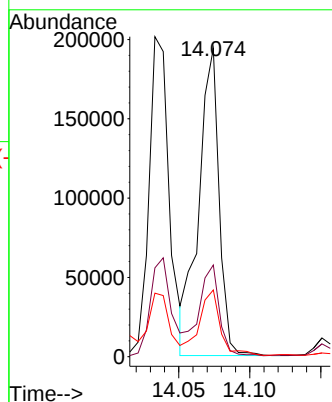
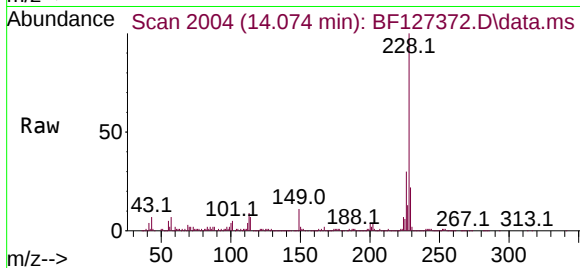
Tgt Ion:228 Resp: 194214

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 21.6 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 193.716 ng

RT: 14.021 min Scan# 1995

Delta R.T. 0.006 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

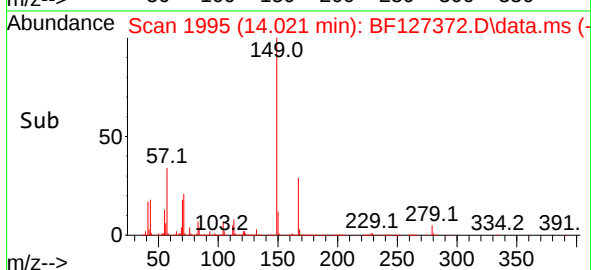
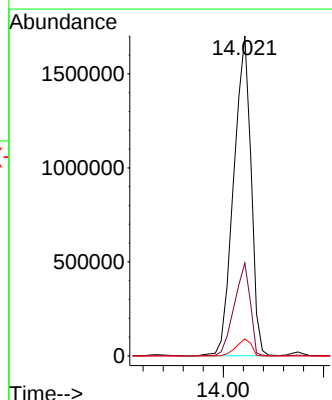
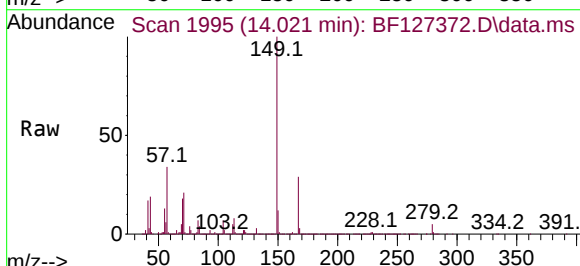
Tgt Ion:149 Resp: 2037634

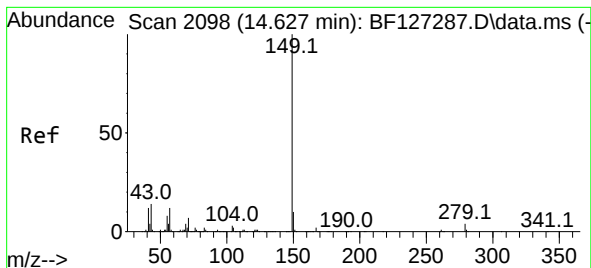
Ion Ratio Lower Upper

149 100

167 29.0 21.4 32.2

279 5.3 2.4 3.6#





#85

Di-n-octyl phthalate

Concen: 38.382 ng

RT: 14.627 min Scan# 2098

Delta R.T. -0.000 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

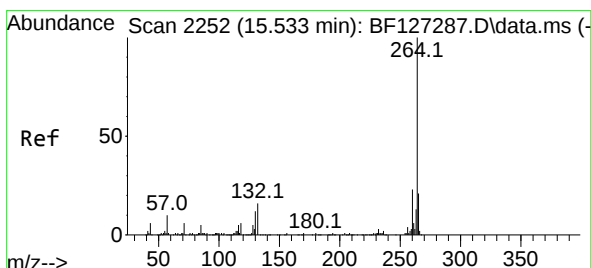
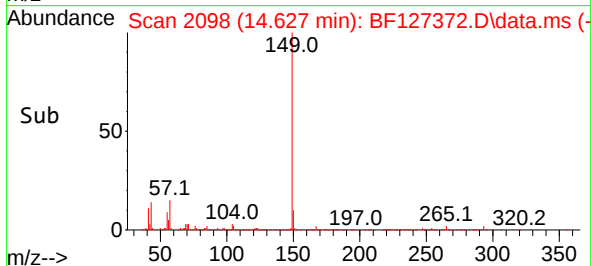
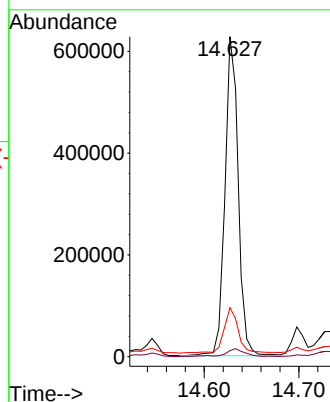
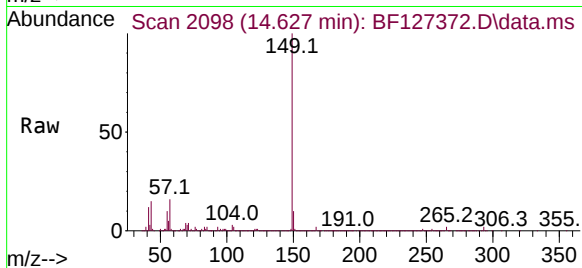
Tgt Ion:149 Resp: 611068

Ion Ratio Lower Upper

149 100

167 3.3 1.1 1.7#

43 15.5 9.9 14.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2252

Delta R.T. -0.000 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

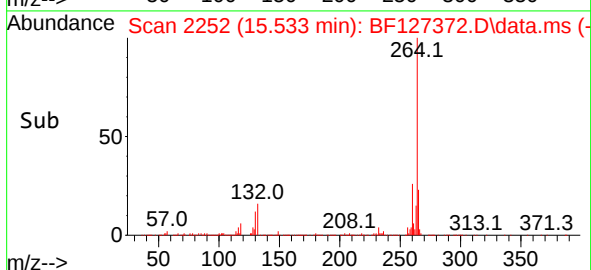
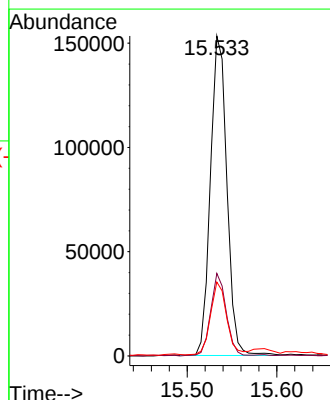
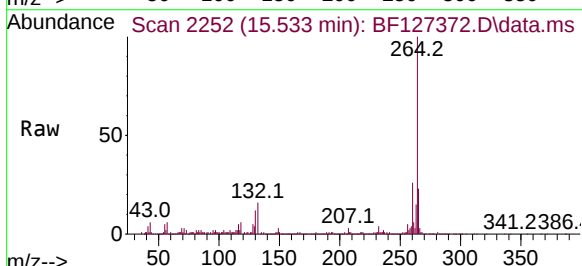
Tgt Ion:264 Resp: 195528

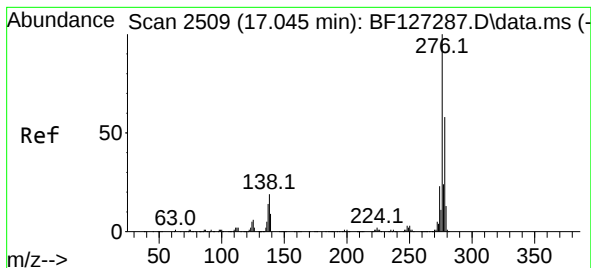
Ion Ratio Lower Upper

264 100

260 25.8 19.2 28.8

265 23.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.325 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

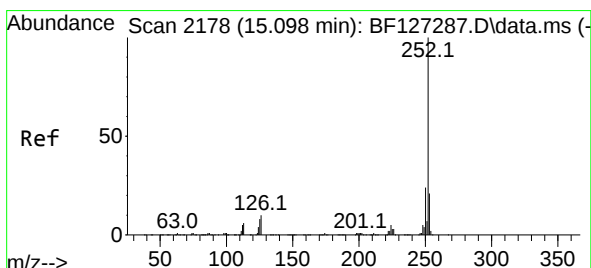
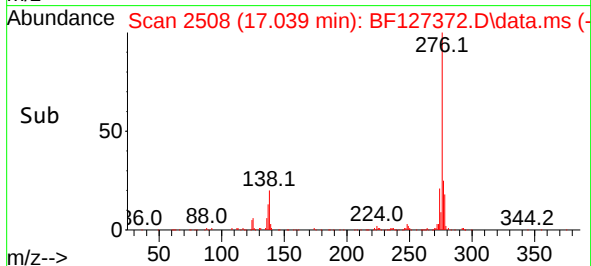
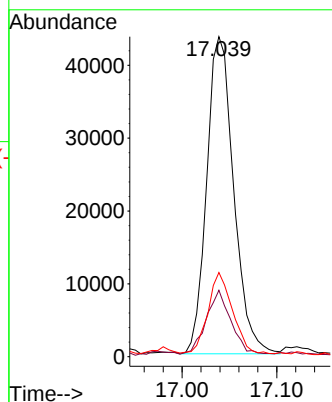
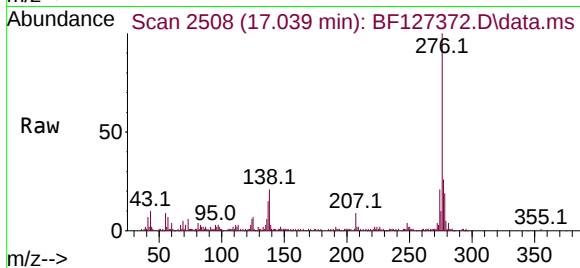
Tgt Ion:276 Resp: 86284

Ion Ratio Lower Upper

276 100

138 19.0 29.2 43.8#

277 23.2 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 2.955 ng

RT: 15.210 min Scan# 2197

Delta R.T. 0.112 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

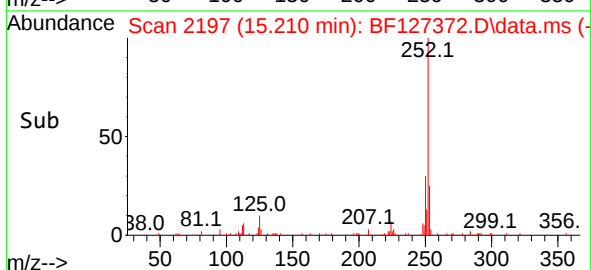
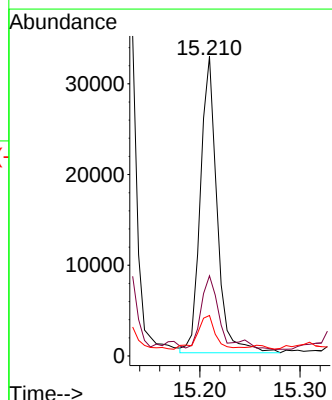
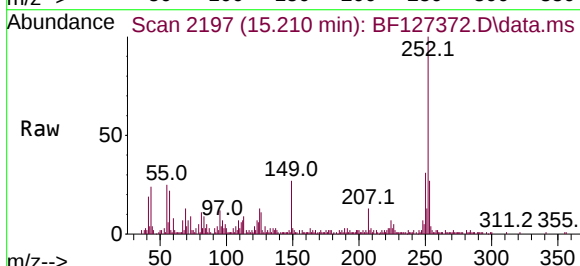
Tgt Ion:252 Resp: 37925

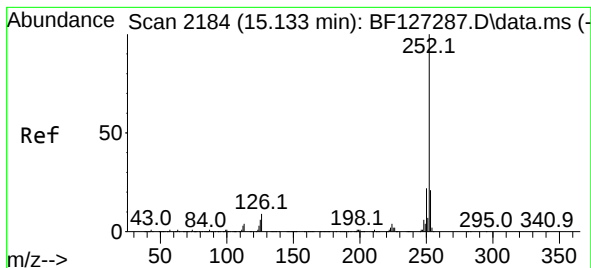
Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.8

125 13.5 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 24.548 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)

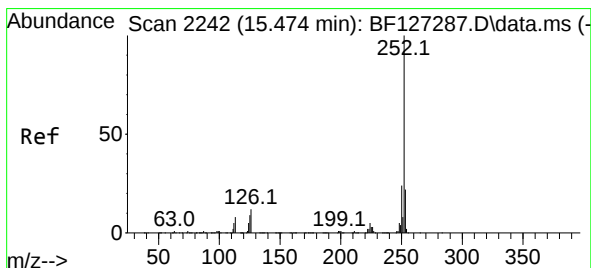
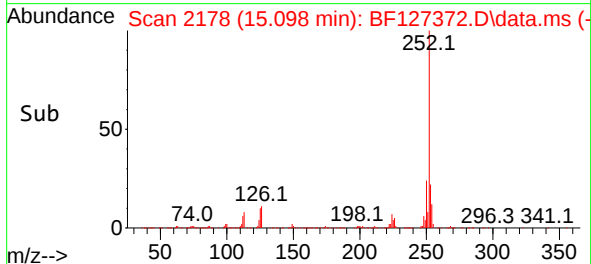
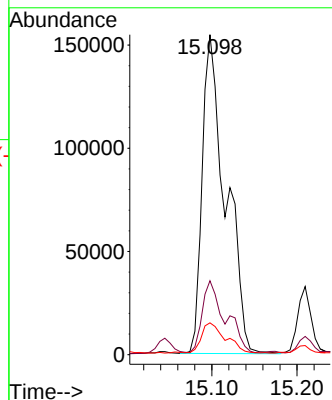
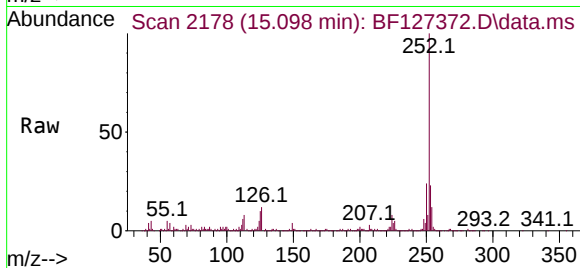
Tgt Ion:252 Resp: 296244

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 10.0 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 4.532 ng

RT: 15.568 min Scan# 2258

Delta R.T. 0.094 min

Lab File: BF127372.D

Acq: 17 Mar 2022 13:22

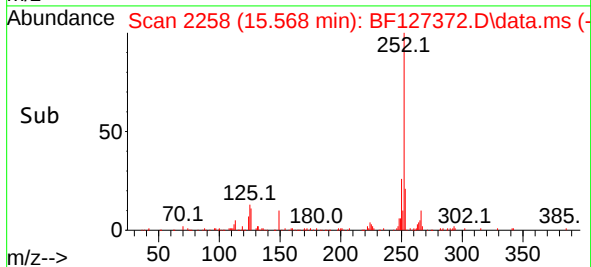
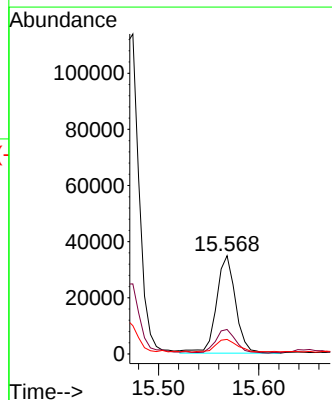
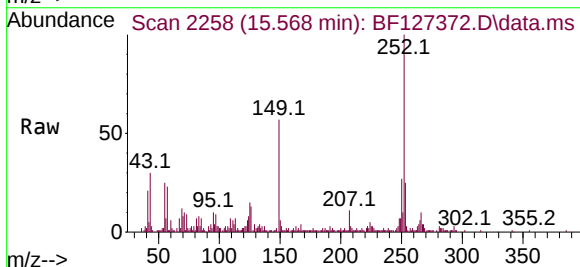
Tgt Ion:252 Resp: 45800

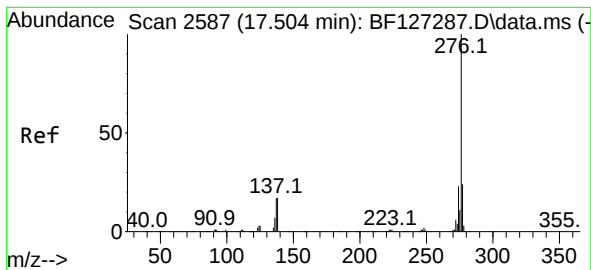
Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

125 14.7 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 8.968 ng

RT: 17.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127372.D

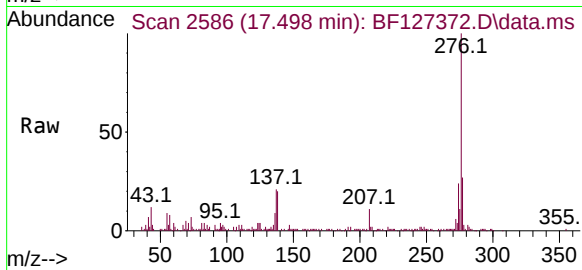
Acq: 17 Mar 2022 13:22

Instrument :

BNA_F

ClientSampleId :

TP1(0-10)



Tgt Ion:276 Resp: 85763

Ion Ratio Lower Upper

276 100

277 26.9 18.5 27.7

138 19.7 25.9 38.9#

