

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033122\
 Data File : BF127603.D
 Acq On : 31 Mar 2022 14:38
 Operator : CG\JU
 Sample : N2195-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-1-5FT

Quant Time: Apr 01 05:34:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 07:13:31 2022
 Response via : Initial Calibration

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

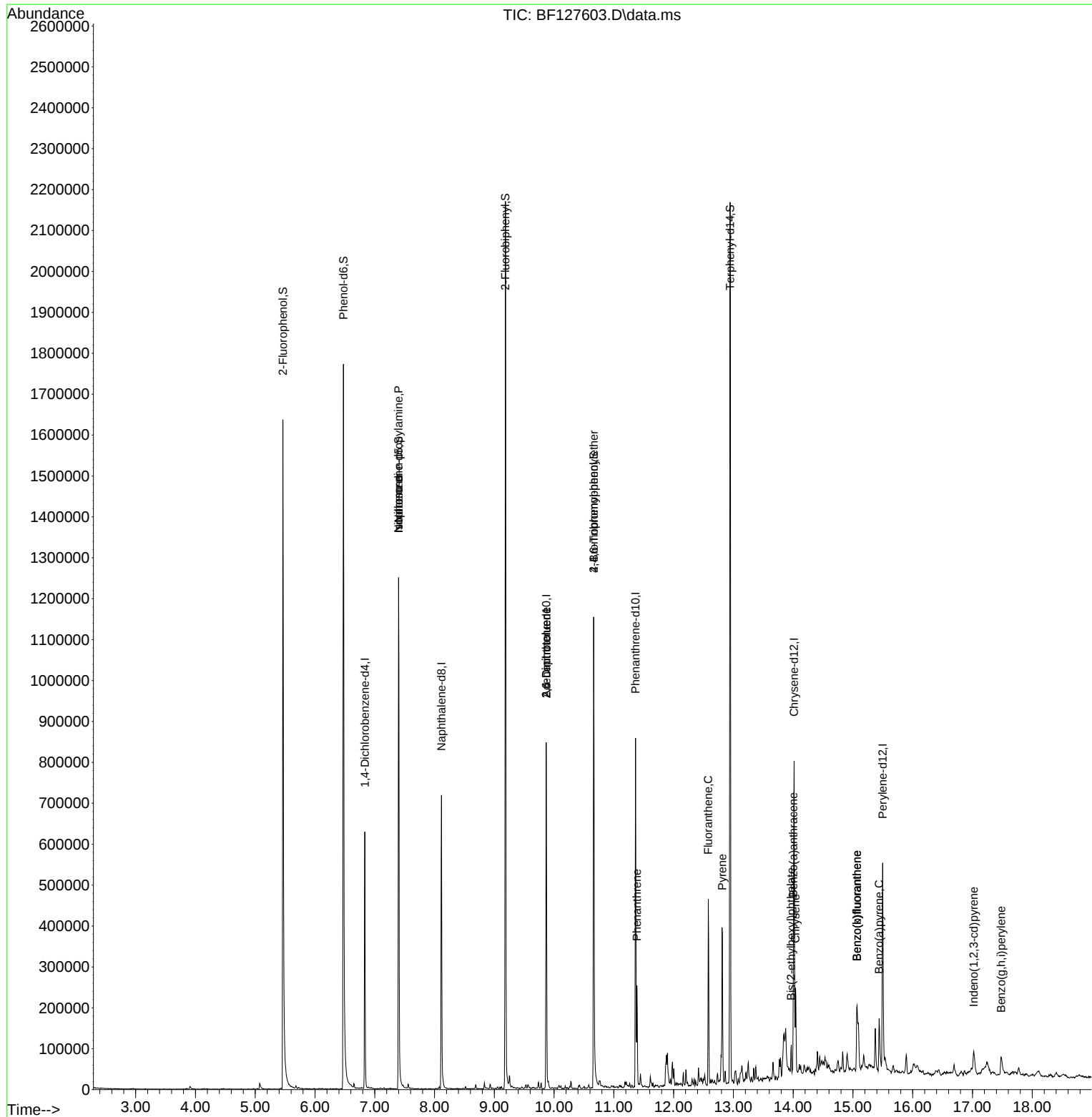
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	85086	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	300040	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	164293	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	282366	20.000	ng	0.00
76) Chrysene-d12	14.015	240	240134	20.000	ng	0.00
86) Perylene-d12	15.498	264	228665	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	434326	81.480	ng	0.00
7) Phenol-d6	6.475	99	598806	82.182	ng	0.00
23) Nitrobenzene-d5	7.398	82	405728	57.803	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	132869	75.919	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	680890	60.517	ng	0.00
79) Terphenyl-d14	12.945	244	701400	47.815	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	56	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.398	70	55530	12.714	ng	# 80
25) Isophorone	7.398	82	405723	36.292	ng	# 70
51) 2,6-Dinitrotoluene	9.869	165	20918	8.719	ng	# 17
55) Dibenzofuran	10.086	168	3683	Below Cal		99
57) 2,4-Dinitrotoluene	9.869	165	20918	6.774	ng	# 14
58) Fluorene	10.427	166	3130	Below Cal	#	85
67) 4-Bromophenyl-phenylether	10.663	248	8858	2.687	ng	# 1
71) Phenanthrene	11.386	178	86910	5.904	ng	99
75) Fluoranthene	12.580	202	168736	10.421	ng	97
78) Pyrene	12.815	202	168886	8.195	ng	97
81) Benzo(a)anthracene	14.004	228	76441	4.760	ng	99
83) Chrysene	14.039	228	84945	5.586	ng	98
84) Bis(2-ethylhexyl)phtha...	13.968	149	15873	2.024	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	41008	2.650	ng	98
88) Benzo(b)fluoranthene	15.068	252	127106	8.816	ng	99
89) Benzo(k)fluoranthene	15.068	252	127106	8.504	ng	99
90) Benzo(a)pyrene	15.439	252	64354	5.439	ng	# 94
92) Benzo(g,h,i)perylene	17.480	276	42004	3.181	ng	98

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

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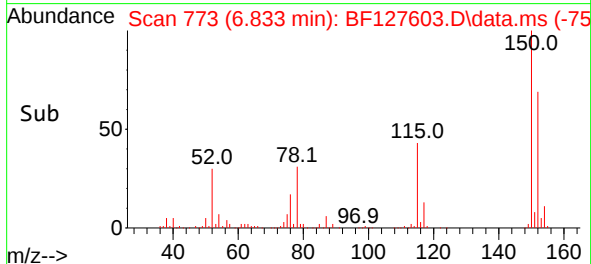
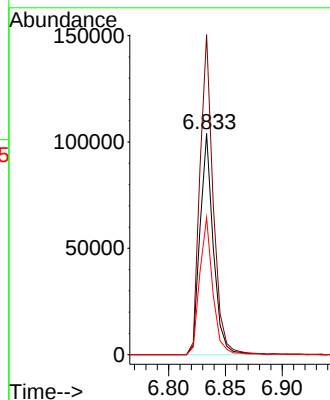
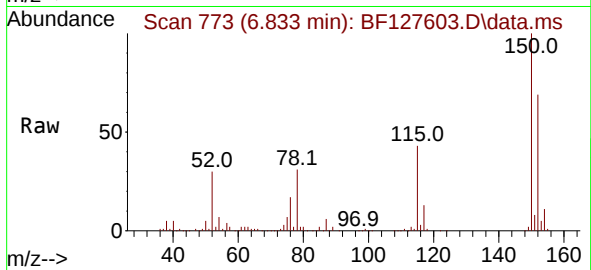




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

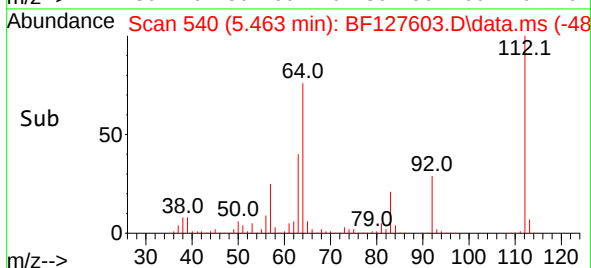
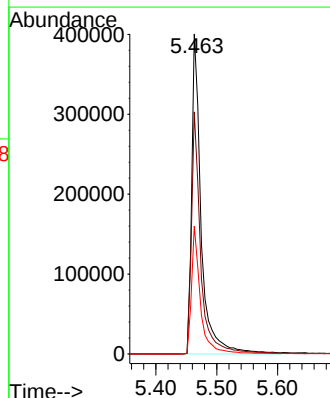
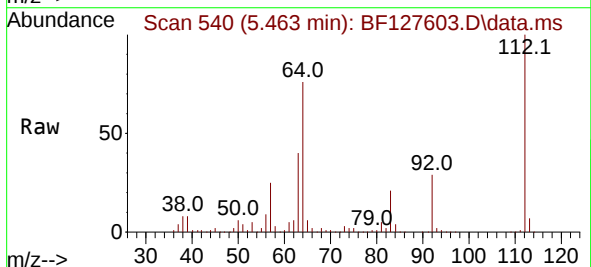
Instrument :
BNA_F
ClientSampleId :
TP-3-1-5FT

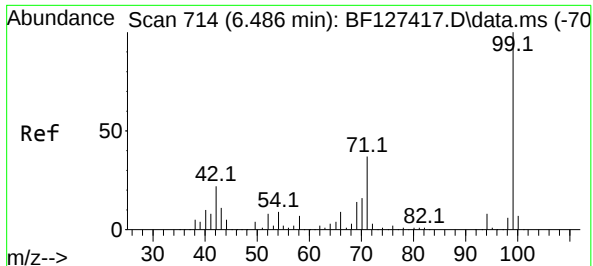
Tgt Ion:152 Resp: 85086
Ion Ratio Lower Upper
152 100
150 144.8 117.2 175.8
115 62.0 49.8 74.6



#5
2-Fluorophenol
Concen: 81.480 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion:112 Resp: 434326
Ion Ratio Lower Upper
112 100
64 75.7 58.4 87.6
63 40.0 30.1 45.1

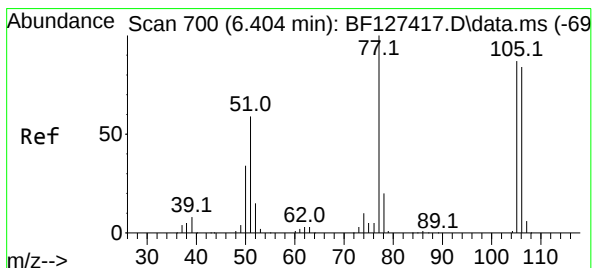
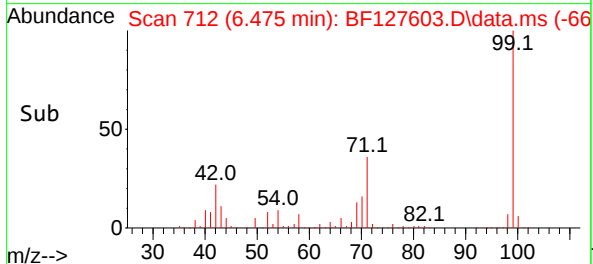
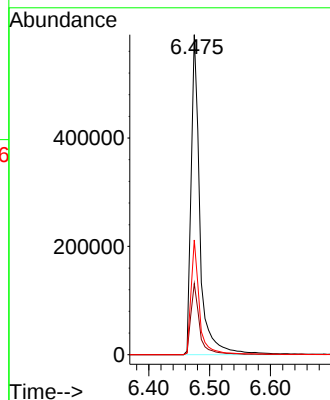
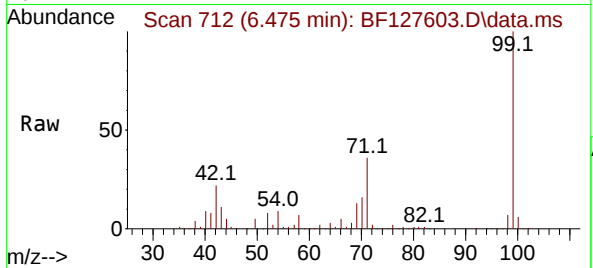




#7
Phenol-d6
Concen: 82.182 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

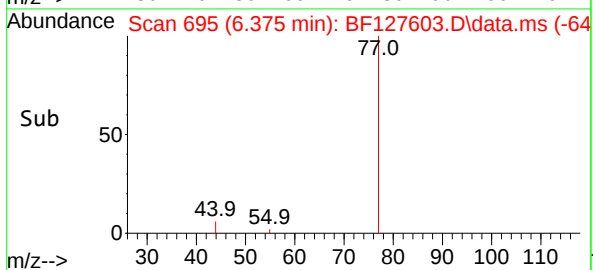
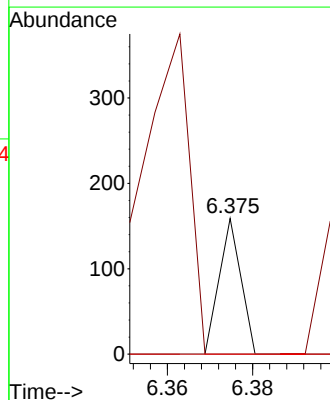
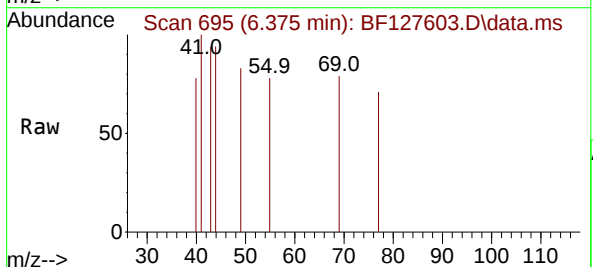
Instrument :
BNA_F
ClientSampleId :
TP-3-1-5FT

Tgt Ion: 99 Resp: 598806
Ion Ratio Lower Upper
99 100
42 22.2 17.8 26.6
71 35.9 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 695
Delta R.T. -0.018 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion: 77 Resp: 56
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 12.714 ng

RT: 7.398 min Scan# 80

Delta R.T. 0.147 min

Lab File: BF127603.D

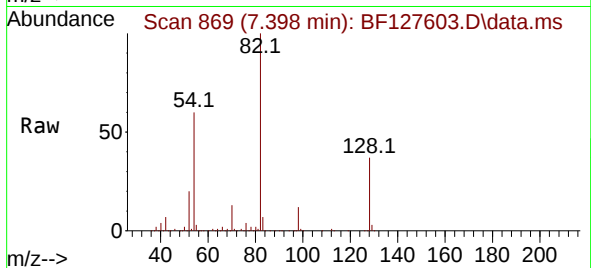
Acq: 31 Mar 2022 14:38

Instrument :

BNA_F

ClientSampleId :

TP-3-1-5FT



Tgt Ion: 70 Resp: 55530

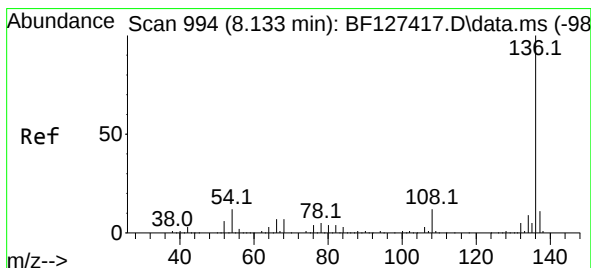
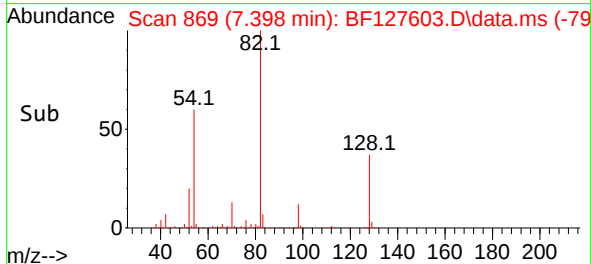
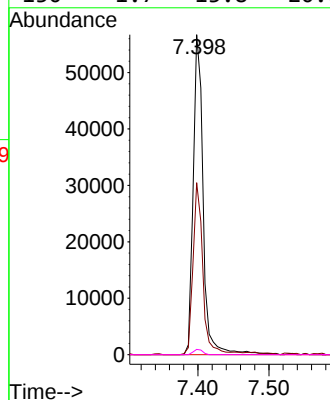
Ion Ratio Lower Upper

70 100

42 53.8 53.0 79.6

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

Tgt Ion: 136 Resp: 300040

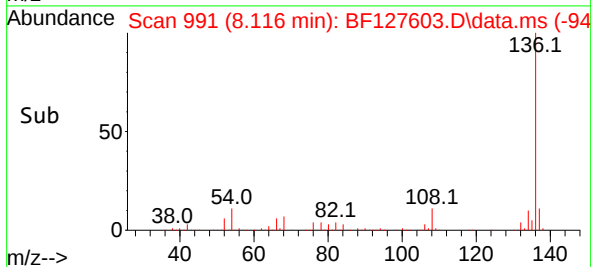
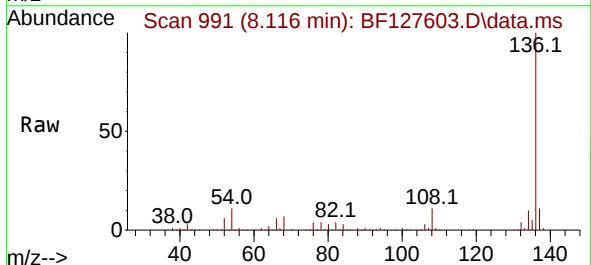
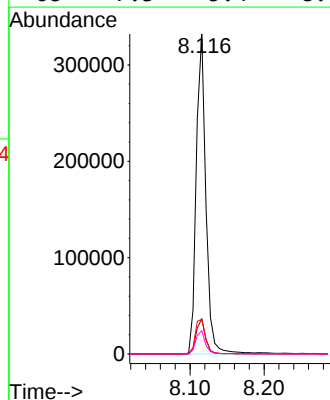
Ion Ratio Lower Upper

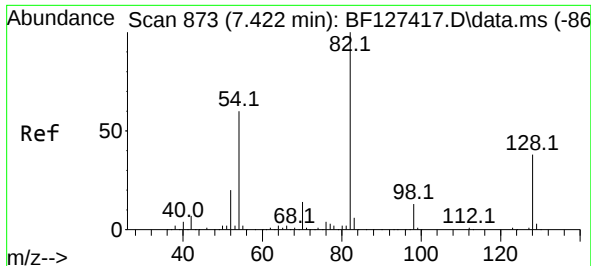
136 100

137 10.9 8.6 13.0

54 10.9 9.2 13.8

68 7.3 5.4 8.0

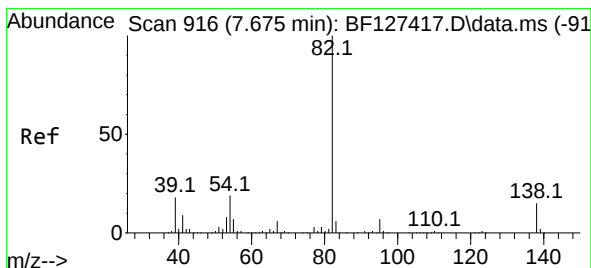
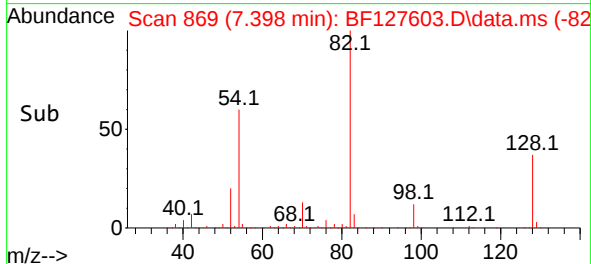
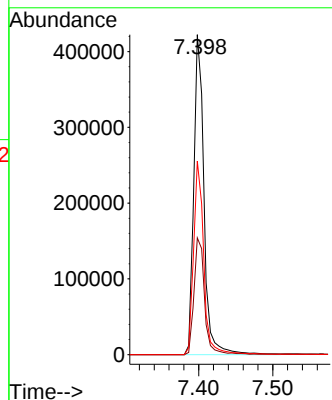
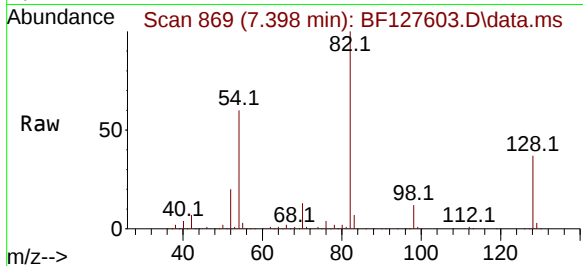




#23
Nitrobenzene-d5
Concen: 57.803 ng
RT: 7.398 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

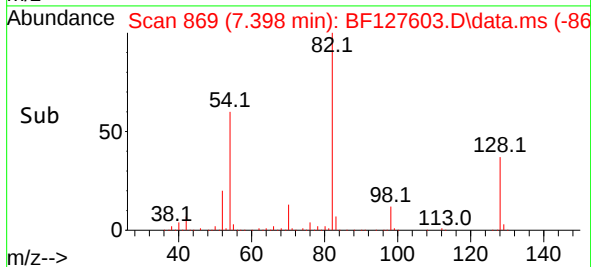
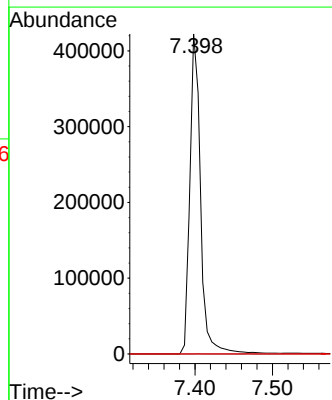
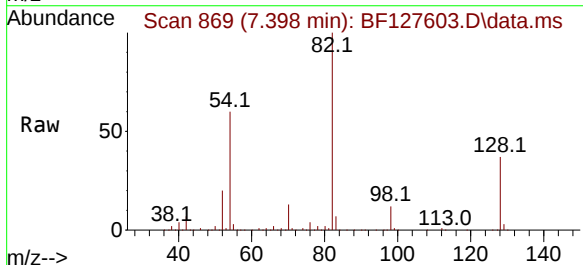
Instrument :
BNA_F
ClientSampleId :
TP-3-1-5FT

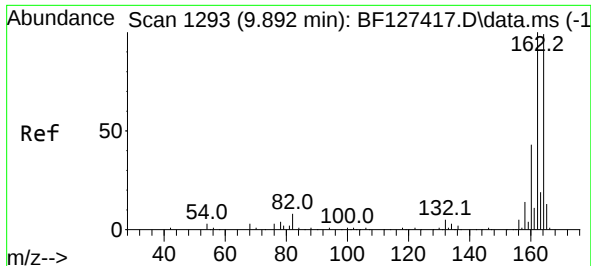
Tgt Ion: 82 Resp: 405728
Ion Ratio Lower Upper
82 100
128 36.5 30.6 45.8
54 60.5 48.2 72.2



#25
Isophorone
Concen: 36.292 ng
RT: 7.398 min Scan# 869
Delta R.T. -0.265 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion: 82 Resp: 405723
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

Instrument :

BNA_F

ClientSampleId :

TP-3-1-5FT

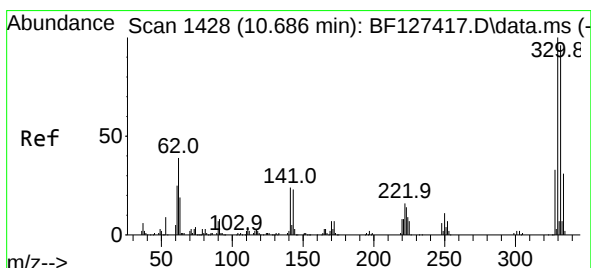
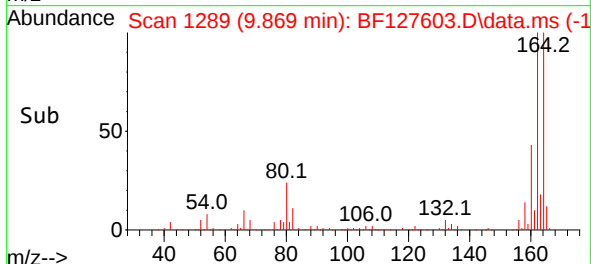
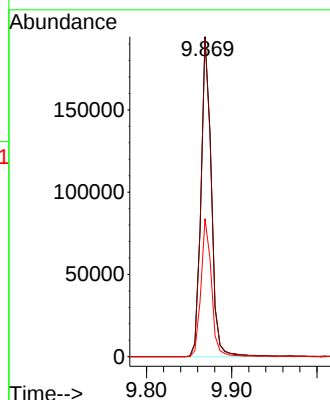
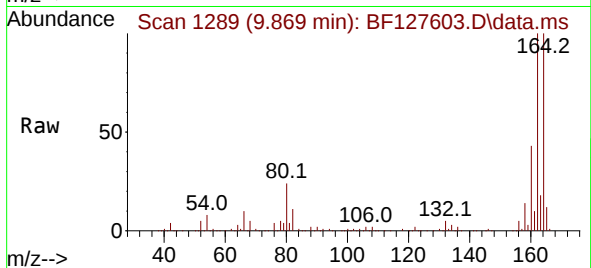
Tgt Ion:164 Resp: 164293

Ion Ratio Lower Upper

164 100

162 99.6 81.2 121.8

160 43.1 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 75.919 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

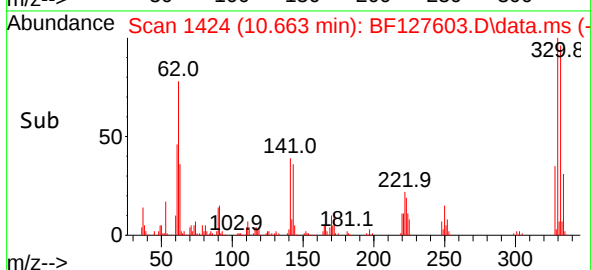
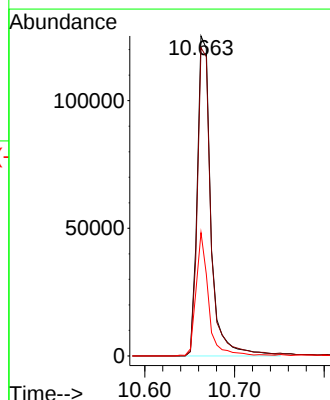
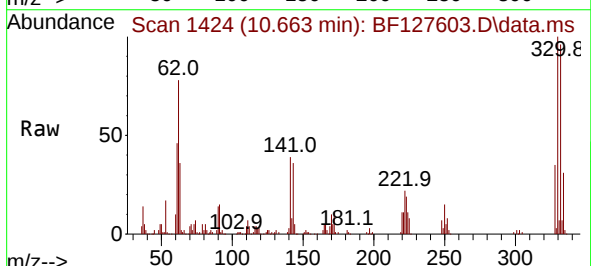
Tgt Ion:330 Resp: 132869

Ion Ratio Lower Upper

330 100

332 97.7 79.1 118.7

141 35.2 26.2 39.4

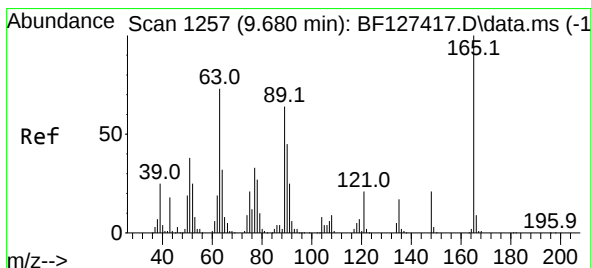
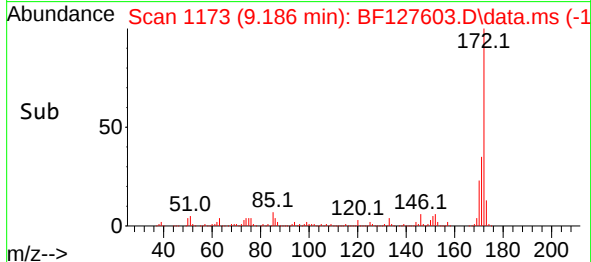
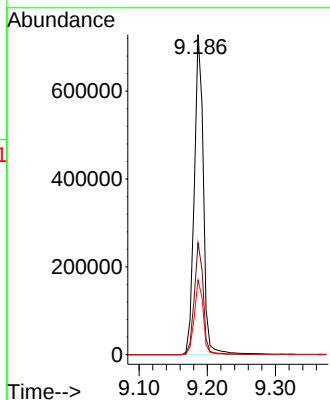
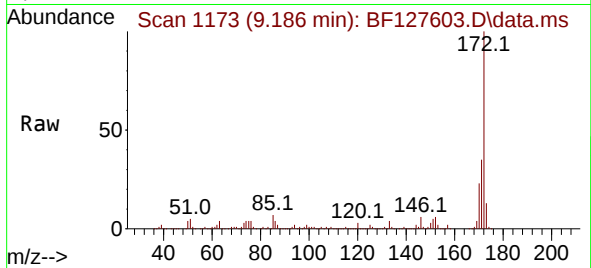




#45
2-Fluorobiphenyl
Concen: 60.517 ng
RT: 9.186 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

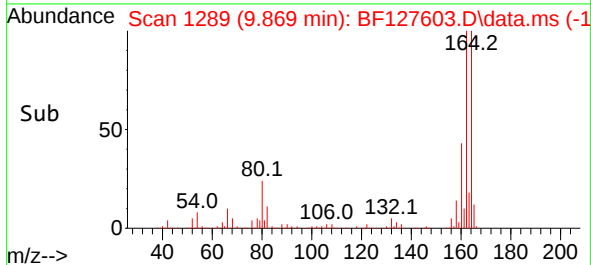
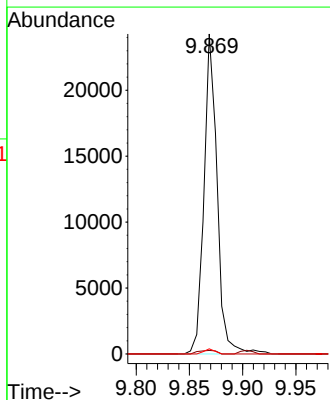
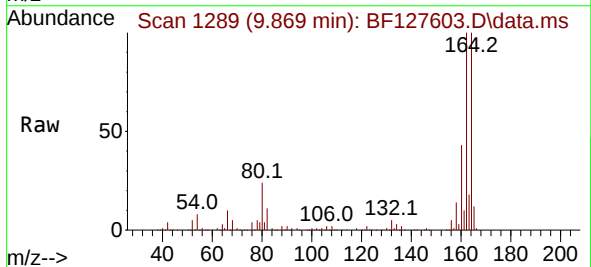
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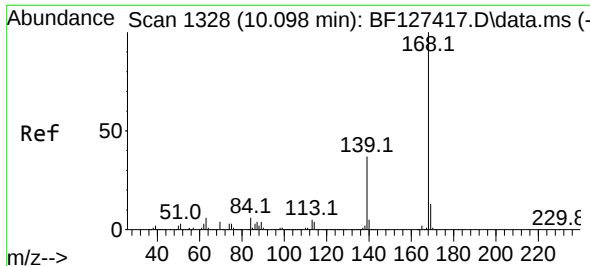
Tgt Ion:172 Resp: 680890
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.719 ng
RT: 9.869 min Scan# 1289
Delta R.T. 0.200 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion:165 Resp: 20918
Ion Ratio Lower Upper
165 100
63 1.1 58.3 87.5#
89 1.6 51.5 77.3#

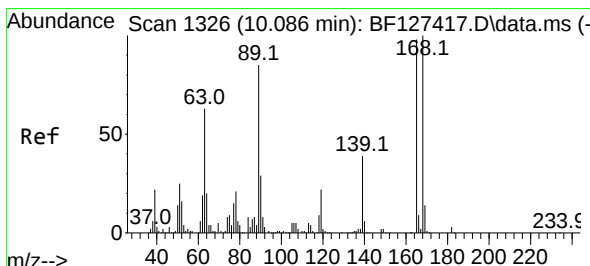
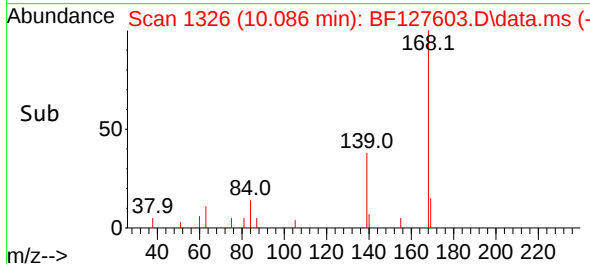
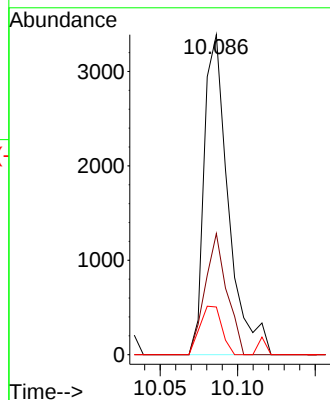
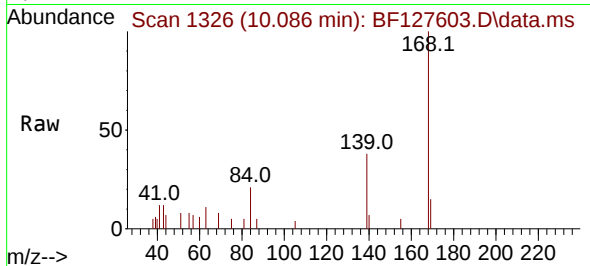




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

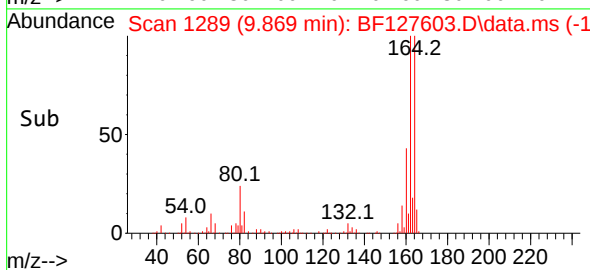
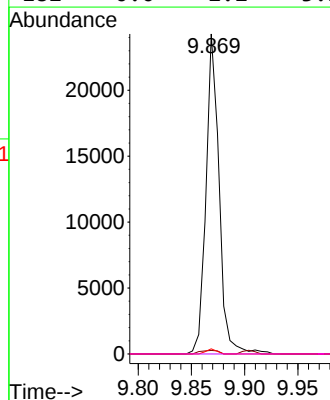
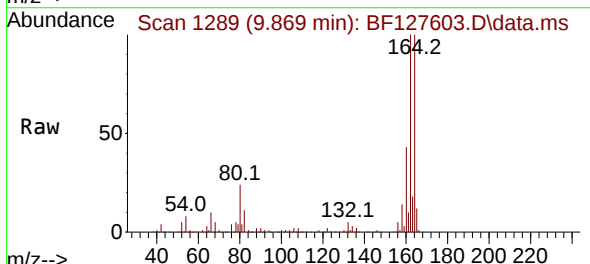
Instrument :
BNA_F
ClientSampleId :
TP-3-1-5FT

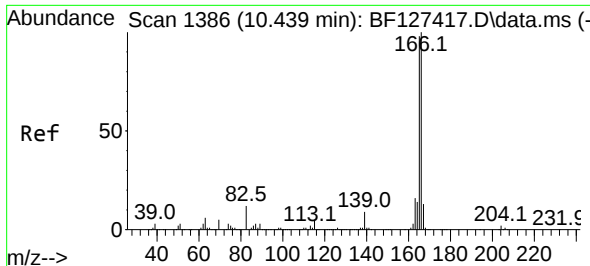
Tgt Ion:168 Resp: 3683
Ion Ratio Lower Upper
168 100
139 37.9 30.3 45.5
169 14.9 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 6.774 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.206 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion:165 Resp: 20918
Ion Ratio Lower Upper
165 100
63 1.1 53.1 79.7#
89 1.6 69.2 103.8#
182 0.0 2.2 3.2#

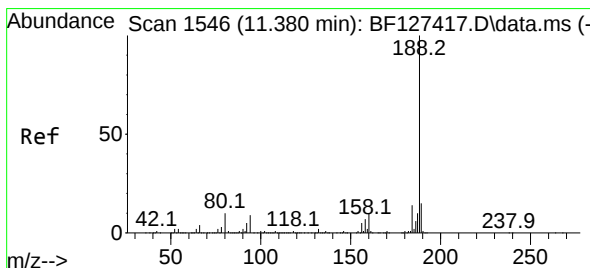
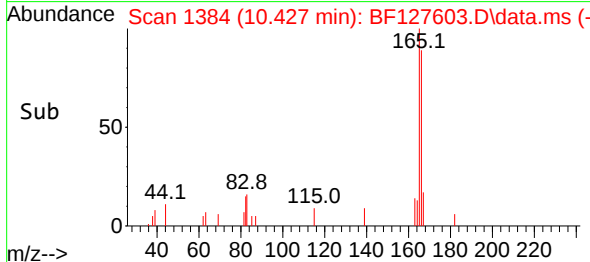
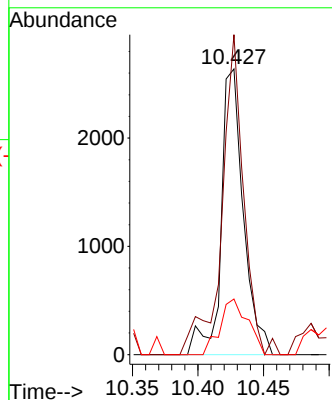
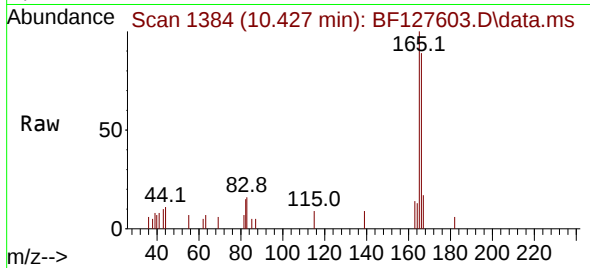




#58
Fluorene
Concen: Below Cal
RT: 10.427 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

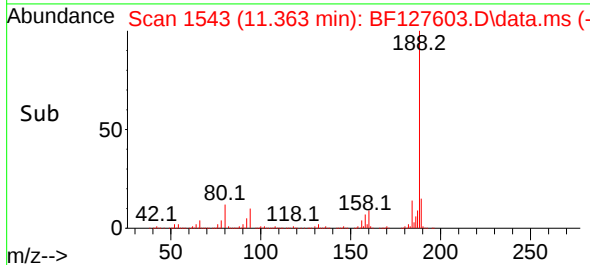
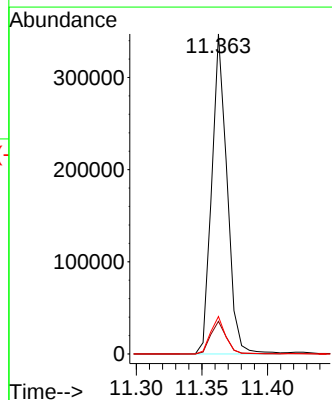
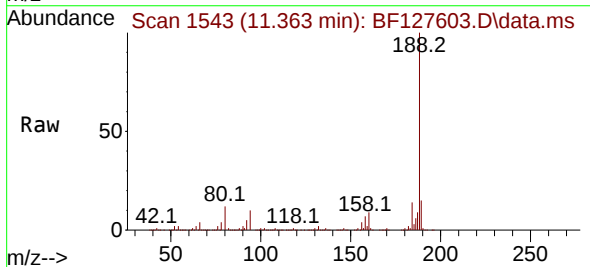
Instrument :
BNA_F
ClientSampleId :
TP-3-1-5FT

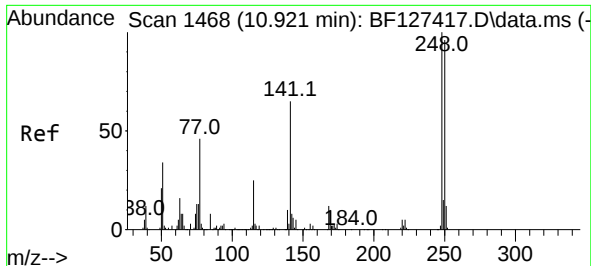
Tgt Ion:166 Resp: 3130
Ion Ratio Lower Upper
166 100
165 112.0 78.1 117.1
167 19.5 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion:188 Resp: 282366
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 11.7 8.0 12.0

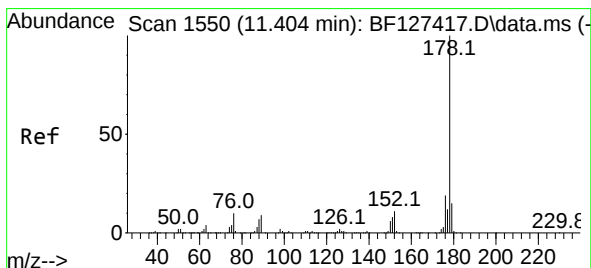
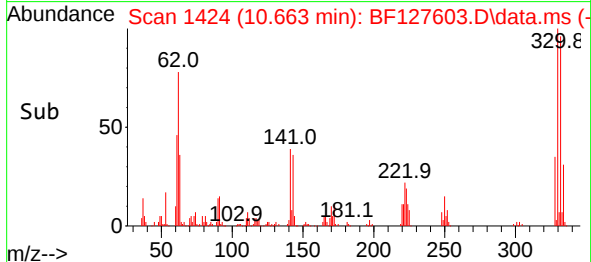
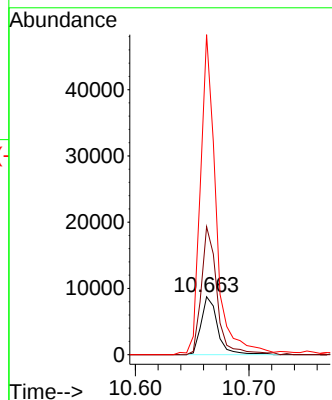
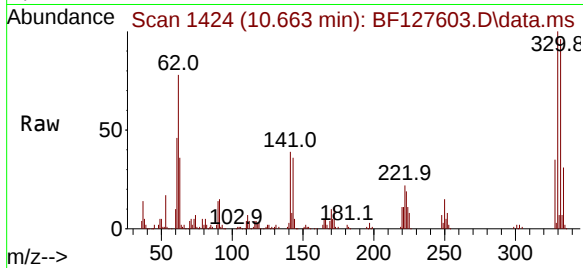




#67
4-Bromophenyl-phenylether
Concen: 2.687 ng
RT: 10.663 min Scan# 1468
Delta R.T. -0.241 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

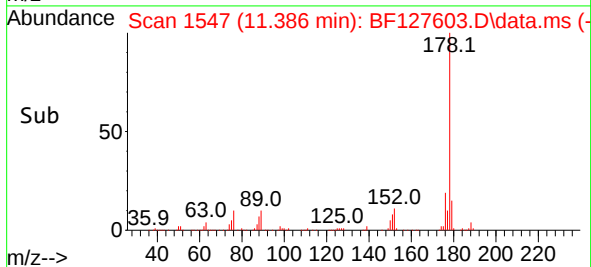
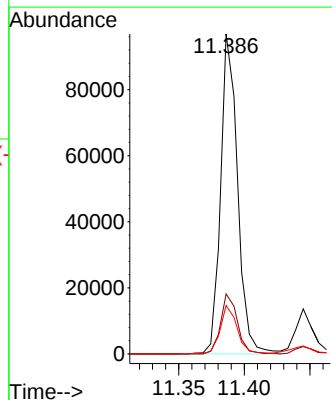
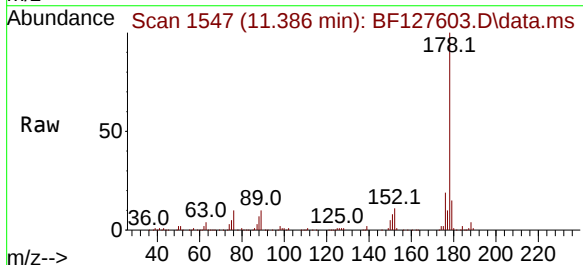
Instrument :
BNA_F
ClientSampleId :
TP-3-1-5FT

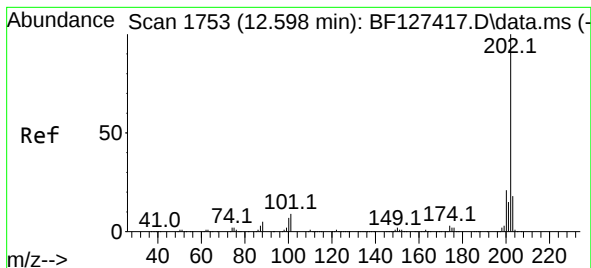
Tgt Ion:248 Resp: 8858
Ion Ratio Lower Upper
248 100
250 221.0 76.6 115.0#
141 552.8 52.2 78.2#



#71
Phenanthrene
Concen: 5.904 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion:178 Resp: 86910
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.1 12.4 18.6





#75

Fluoranthene

Concen: 10.421 ng

RT: 12.580 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

Instrument :

BNA_F

ClientSampleId :

TP-3-1-5FT

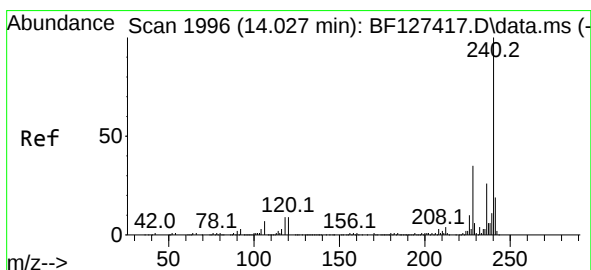
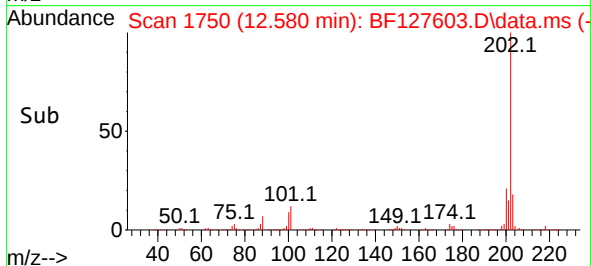
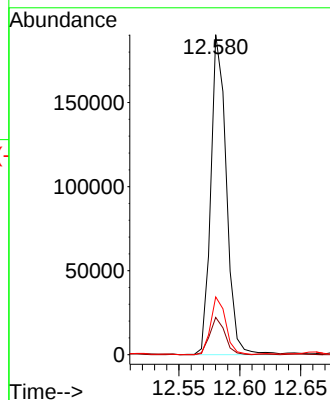
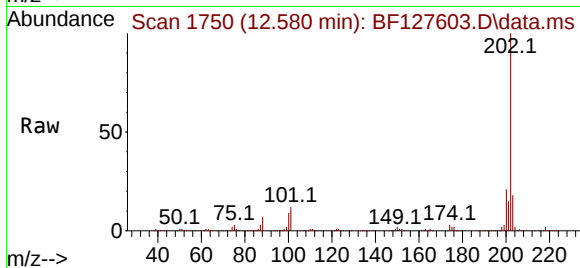
Tgt Ion:202 Resp: 168736

Ion Ratio Lower Upper

202 100

101 11.7 0.0 29.0

203 18.0 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 1994

Delta R.T. 0.000 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

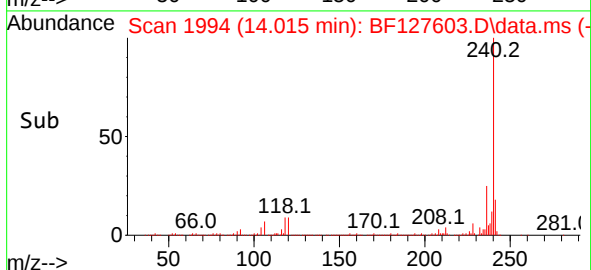
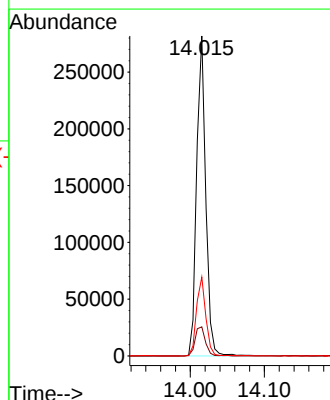
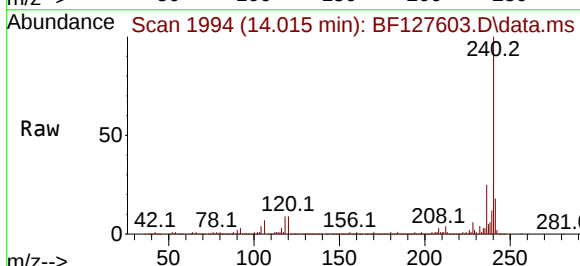
Tgt Ion:240 Resp: 240134

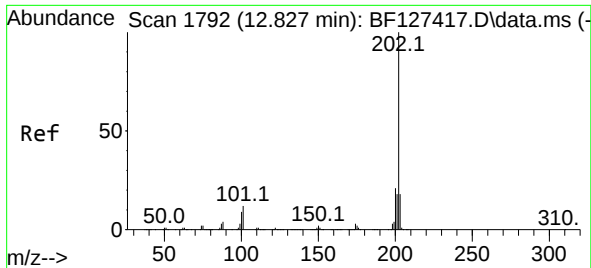
Ion Ratio Lower Upper

240 100

120 9.1 7.1 10.7

236 24.7 20.7 31.1

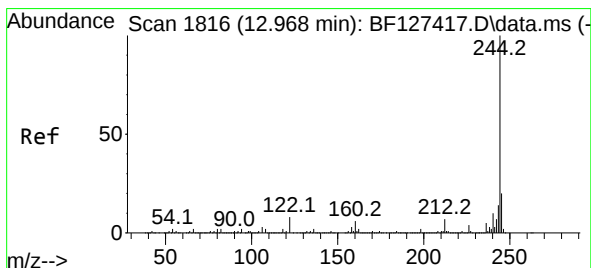
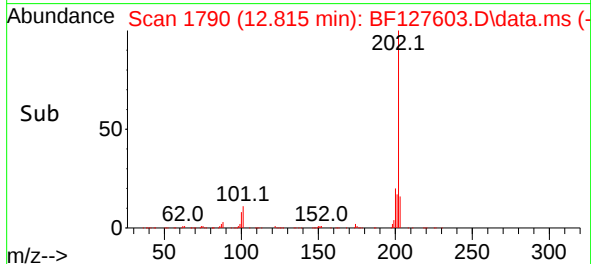
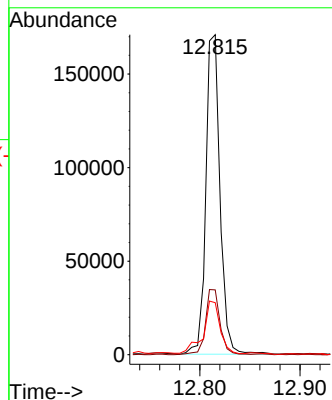
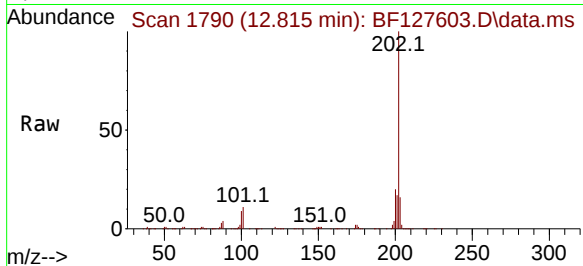




#78
 Pyrene
 Concen: 8.195 ng
 RT: 12.815 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: BF127603.D
 Acq: 31 Mar 2022 14:38

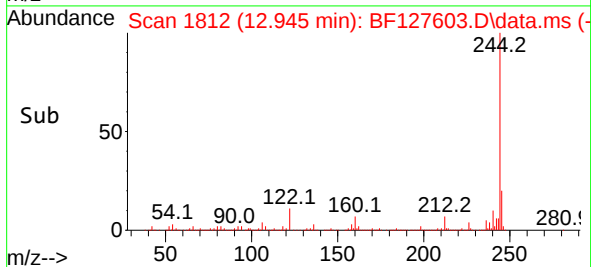
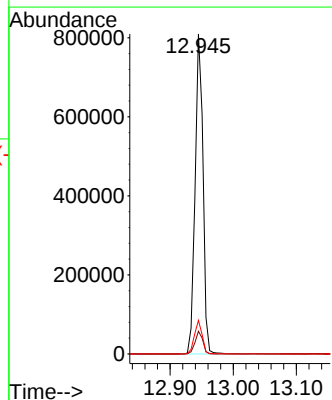
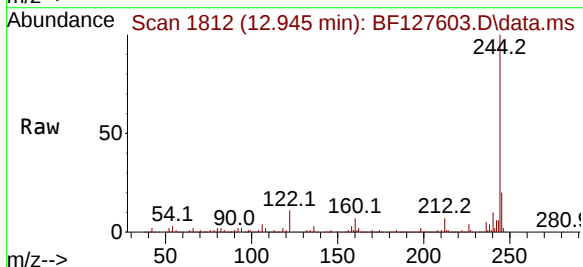
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-1-5FT

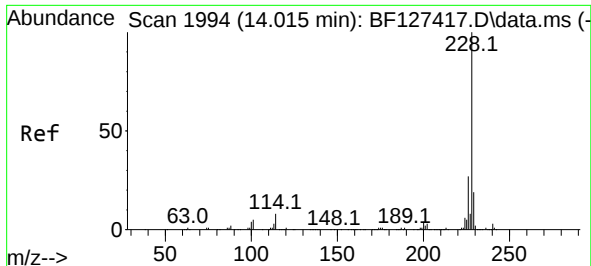
Tgt Ion:202 Resp: 168886
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.1 25.7
 203 16.3 14.3 21.5



#79
 Terphenyl-d14
 Concen: 47.815 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF127603.D
 Acq: 31 Mar 2022 14:38

Tgt Ion:244 Resp: 701400
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 10.5 6.2 9.2#

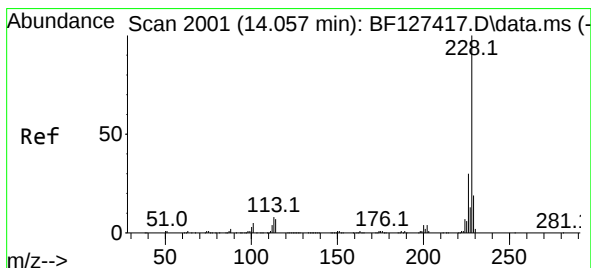
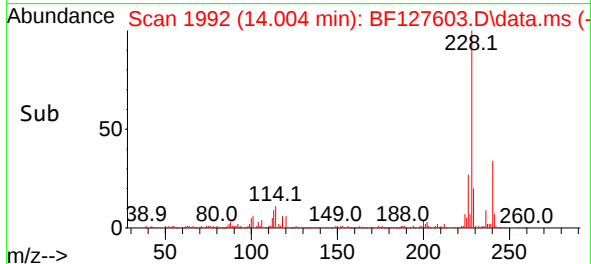
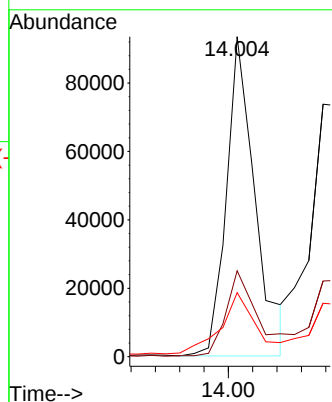
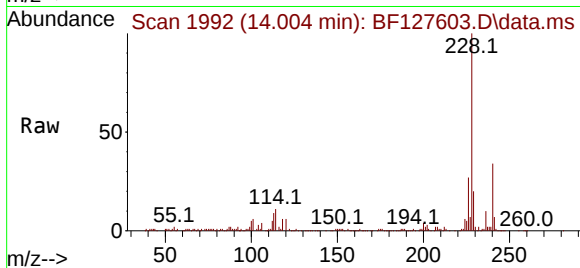




#81
Benzo(a)anthracene
Concen: 4.760 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

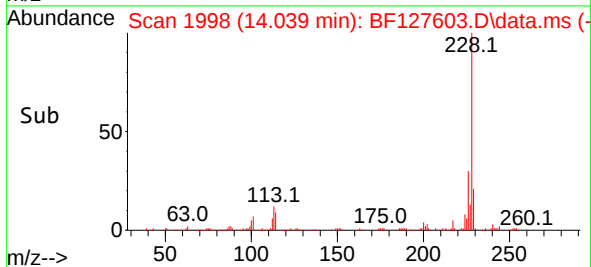
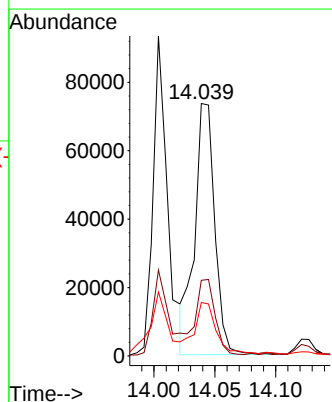
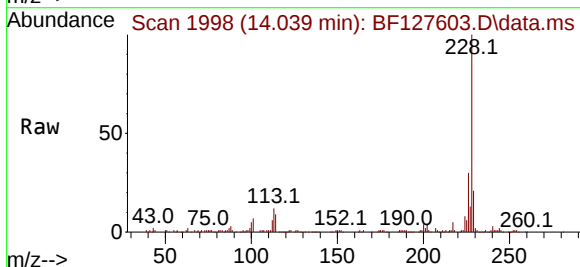
Instrument :
BNA_F
ClientSampleId :
TP-3-1-5FT

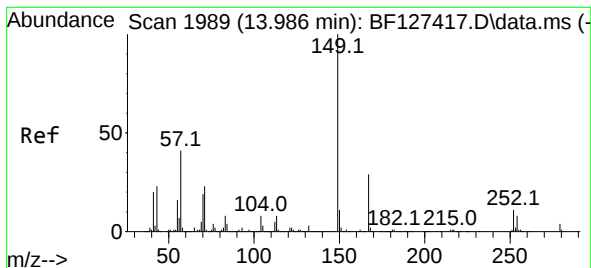
Tgt Ion:228 Resp: 76441
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 20.0 15.4 23.2



#83
Chrysene
Concen: 5.586 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127603.D
Acq: 31 Mar 2022 14:38

Tgt Ion:228 Resp: 84945
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.2 15.4 23.2

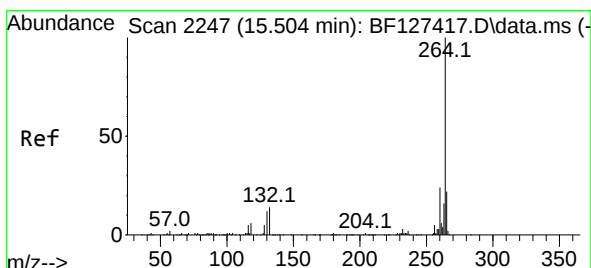
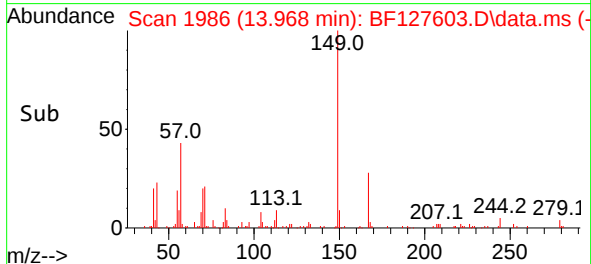
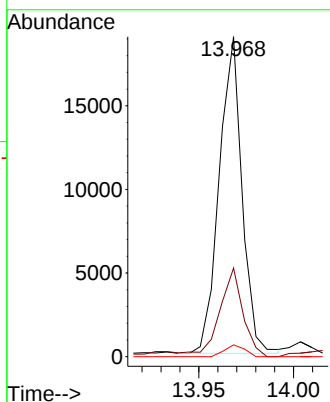
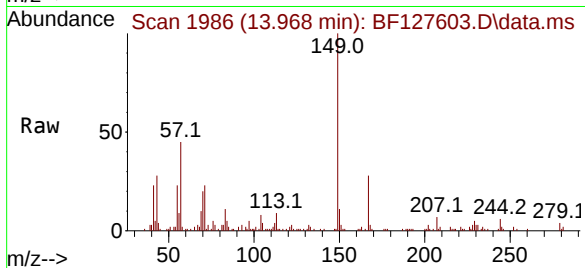




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.024 ng
 RT: 13.968 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: BF127603.D
 Acq: 31 Mar 2022 14:38

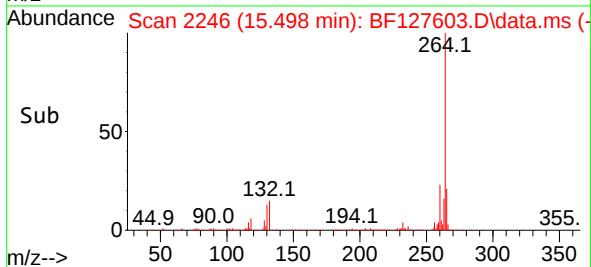
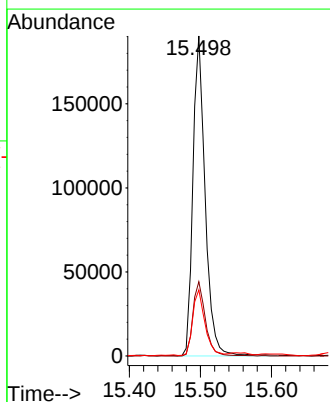
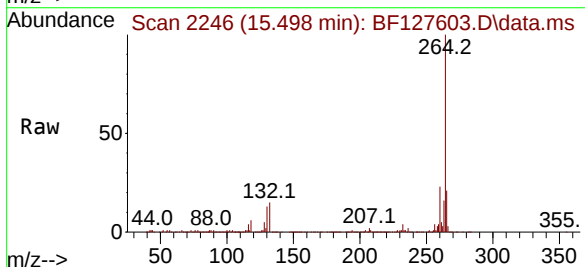
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-1-5FT

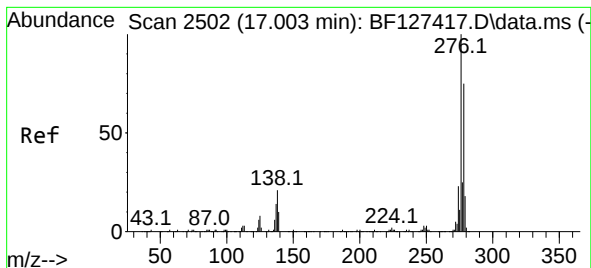
Tgt Ion:149 Resp: 15873
 Ion Ratio Lower Upper
 149 100
 167 27.7 22.9 34.3
 279 3.7 3.2 4.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2246
 Delta R.T. 0.006 min
 Lab File: BF127603.D
 Acq: 31 Mar 2022 14:38

Tgt Ion:264 Resp: 228665
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 20.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.650 ng

RT: 17.021 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

Instrument :

BNA_F

ClientSampleId :

TP-3-1-5FT

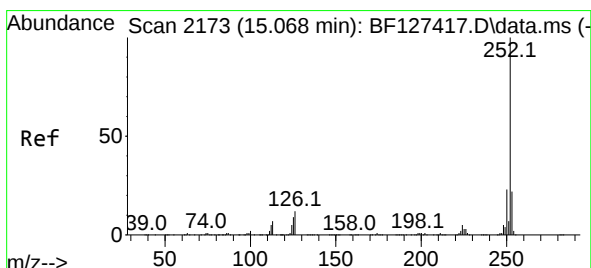
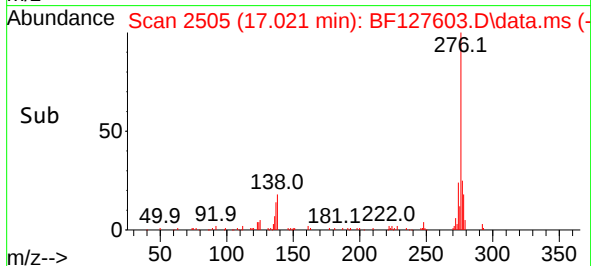
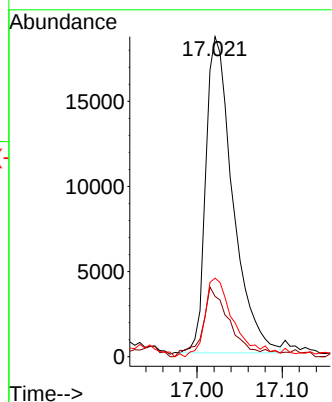
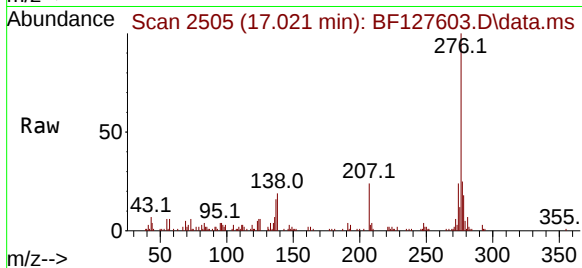
Tgt Ion:276 Resp: 41008

Ion Ratio Lower Upper

276 100

138 21.6 17.1 25.7

277 26.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 8.816 ng

RT: 15.068 min Scan# 2173

Delta R.T. 0.012 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

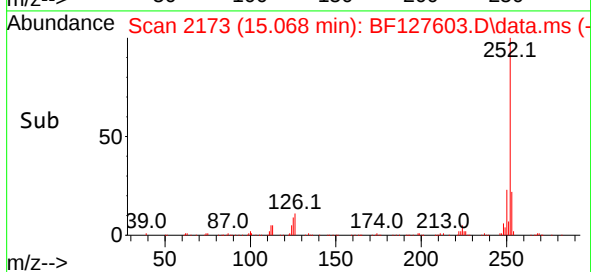
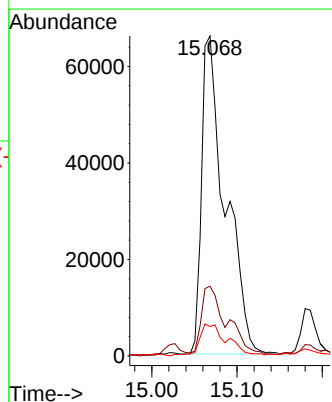
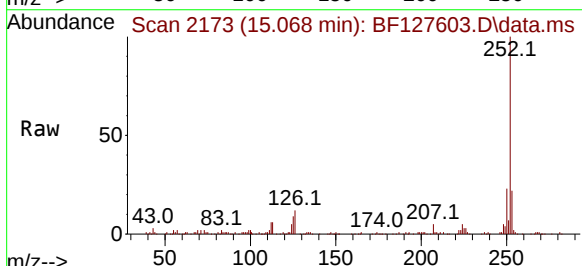
Tgt Ion:252 Resp: 127106

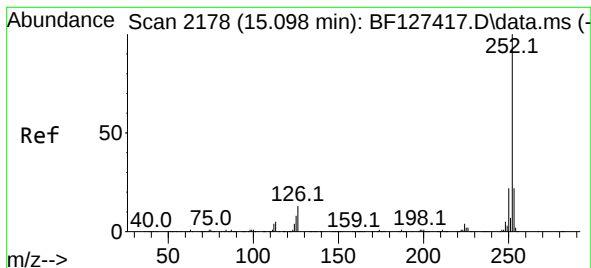
Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 9.2 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 8.504 ng

RT: 15.068 min Scan# 2173

Delta R.T. -0.018 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

Instrument :

BNA_F

ClientSampleId :

TP-3-1-5FT

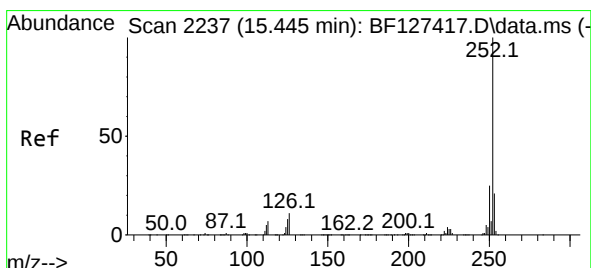
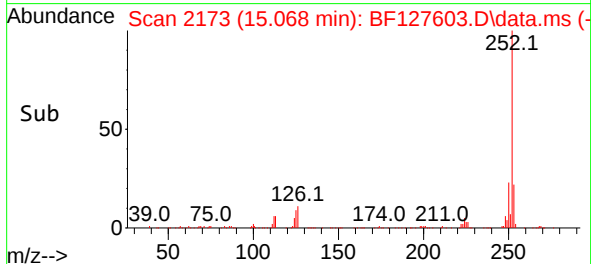
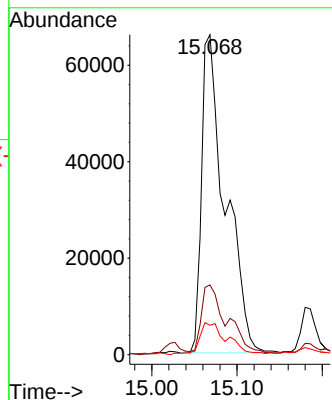
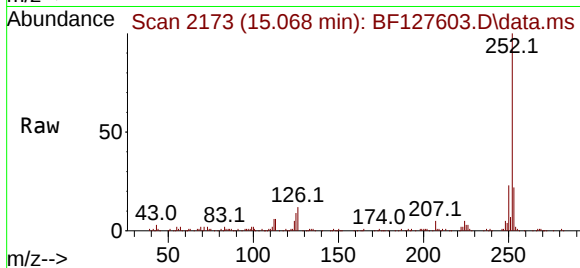
Tgt Ion:252 Resp: 127106

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 9.2 6.9 10.3



#90

Benzo(a)pyrene

Concen: 5.439 ng

RT: 15.439 min Scan# 2236

Delta R.T. 0.012 min

Lab File: BF127603.D

Acq: 31 Mar 2022 14:38

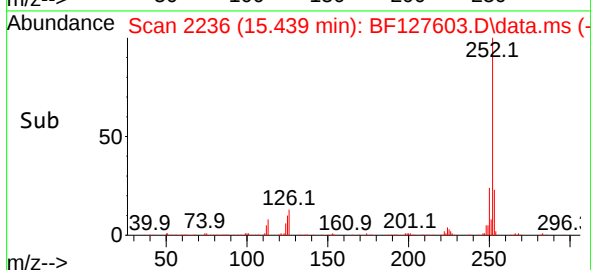
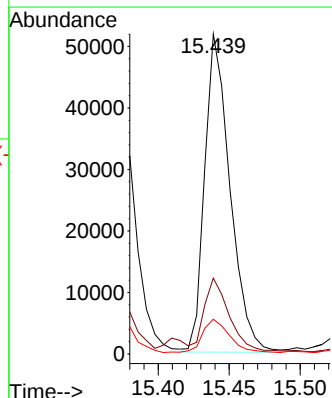
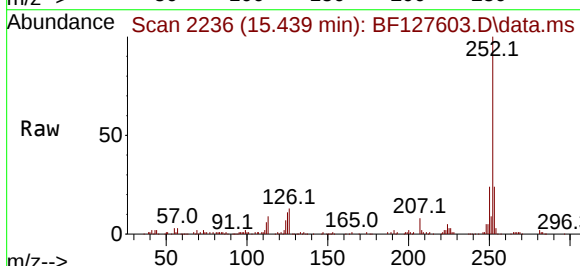
Tgt Ion:252 Resp: 64354

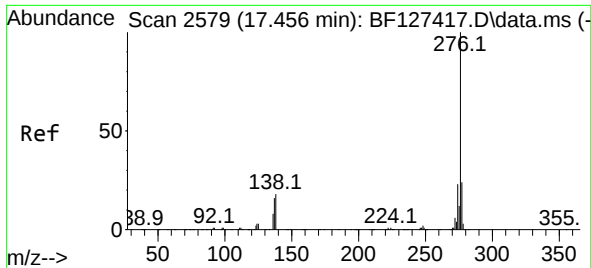
Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 10.9 6.7 10.1#





#92
 Benzo(g,h,i)perylene
 Concen: 3.181 ng
 RT: 17.480 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BF127603.D
 Acq: 31 Mar 2022 14:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-1-5FT

Tgt Ion:	276	Resp:	42004
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.4
138	20.6	14.6	22.0

