

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
 Data File : BF127967.D
 Acq On : 28 Apr 2022 01:38
 Operator : CG\JU
 Sample : N2569-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042622

Quant Time: Apr 28 05:18:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

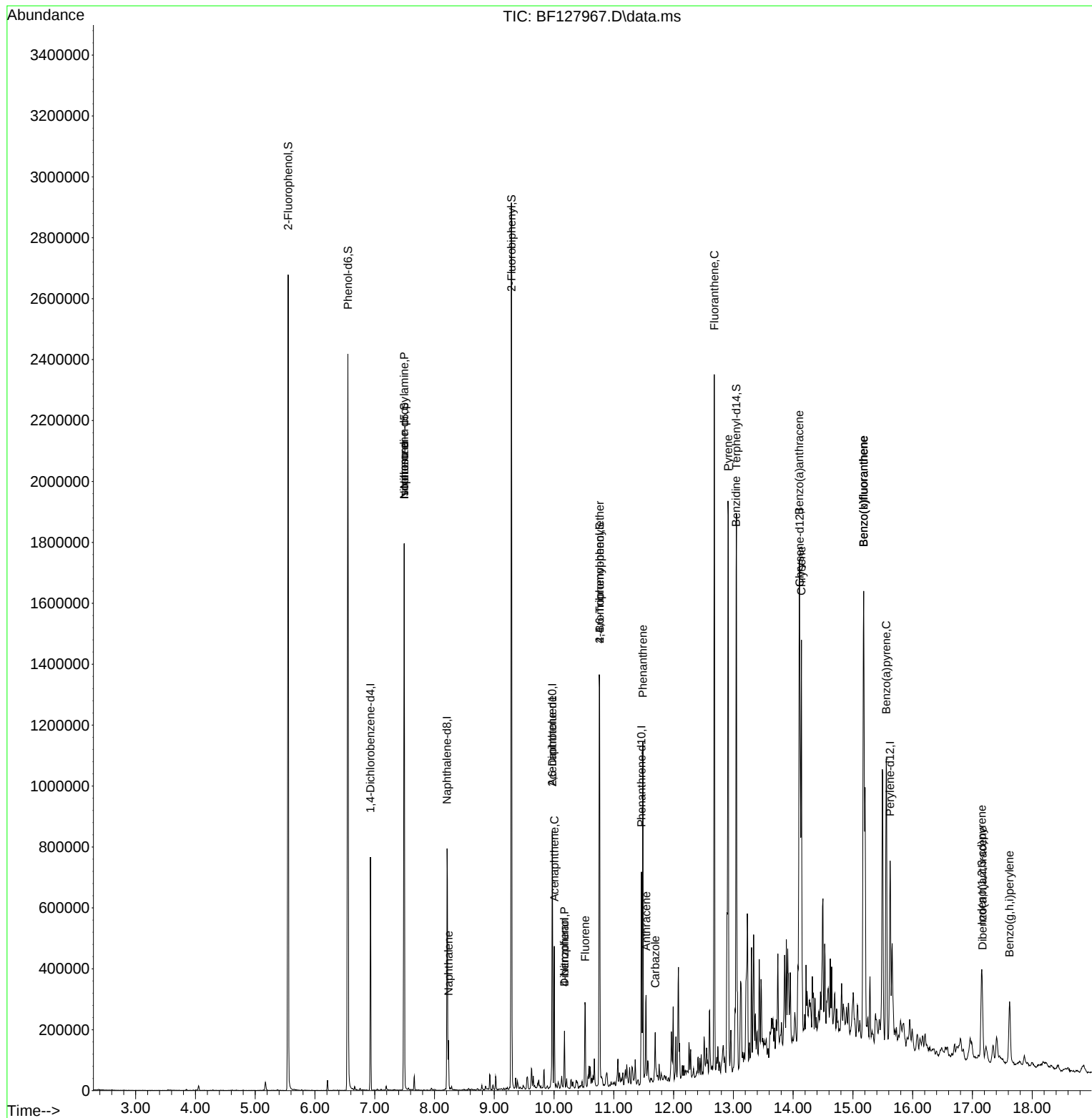
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	96340	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	344885	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	167424	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	242232	20.000	ng	0.00
76) Chrysene-d12	14.110	240	225166	20.000	ng	0.00
86) Perylene-d12	15.621	264	259659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	659891	109.099	ng	0.00
7) Phenol-d6	6.551	99	842728	107.376	ng	-0.01
23) Nitrobenzene-d5	7.493	82	598357	81.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	153974	91.357	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	843485	85.230	ng	0.00
79) Terphenyl-d14	13.051	244	622249	50.533	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.493	70	80848	16.828	ng	# 80
25) Isophorone	7.493	82	598347	48.473	ng	# 68
31) Naphthalene	8.234	128	55443	3.156	ng	98
51) 2,6-Dinitrotoluene	9.969	165	22601	9.297	ng	# 21
52) Acenaphthene	10.004	154	90152	9.285	ng	100
55) Dibenzofuran	10.175	168	61022	4.356	ng	98
56) 4-Nitrophenol	10.175	139	23063	11.188	ng	# 2
58) Fluorene	10.522	166	76304	7.300	ng	98
67) 4-Bromophenyl-phenylether	10.763	248	9974	3.714	ng	# 1
71) Phenanthrene	11.486	178	369838	29.168	ng	99
72) Anthracene	11.539	178	113465	8.983	ng	99
73) Carbazole	11.692	167	46705	3.837	ng	98
75) Fluoranthene	12.680	202	884344	66.268	ng	99
77) Benzidine	13.045	184	8902	2.089	ng	97
78) Pyrene	12.916	202	845575	46.520	ng	99
81) Benzo(a)anthracene	14.104	228	570227	37.995	ng	97
83) Chrysene	14.139	228	563486	39.313	ng	97
87) Indeno(1,2,3-cd)pyrene	17.157	276	210720	12.158	ng	94
88) Benzo(b)fluoranthene	15.180	252	1195059	73.277	ng	99
89) Benzo(k)fluoranthene	15.180	252	1195059	72.733	ng	98
90) Benzo(a)pyrene	15.557	252	480695	35.533	ng	98
91) Dibenzo(a,h)anthracene	17.168	278	68591	4.935	ng	93
92) Benzo(g,h,i)perylene	17.621	276	174943	11.943	ng	97

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

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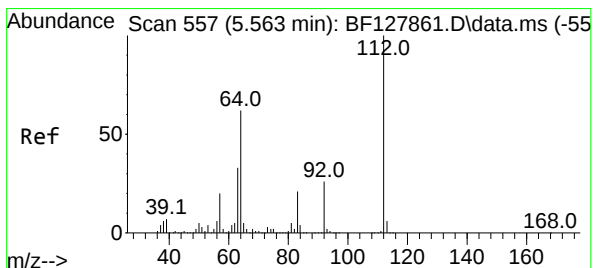
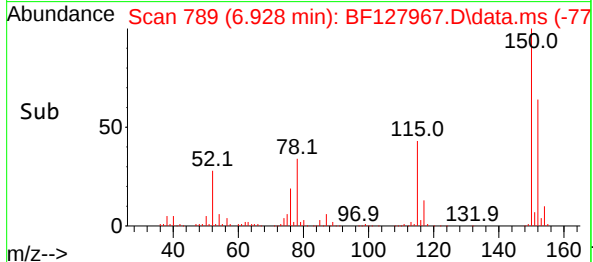
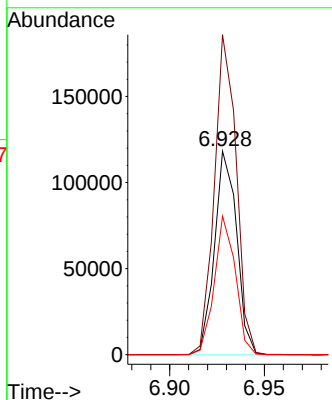
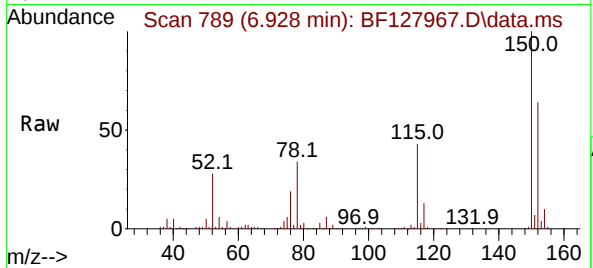




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

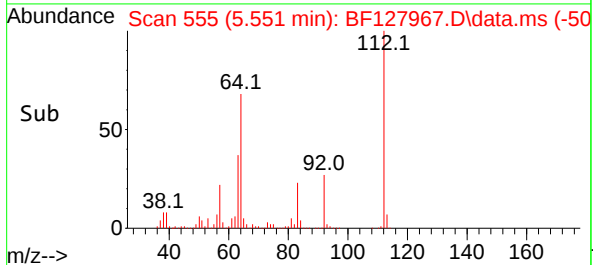
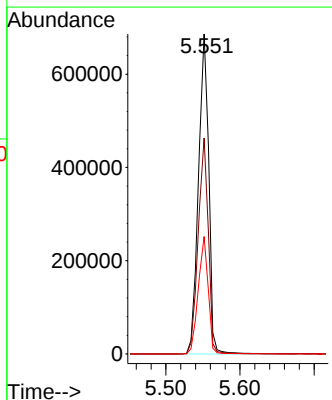
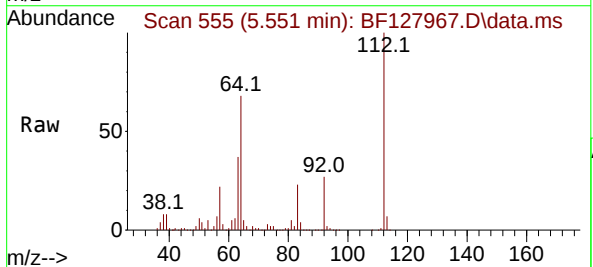
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042622

Tgt Ion:152 Resp: 96340
 Ion Ratio Lower Upper
 152 100
 150 157.2 125.3 187.9
 115 68.1 48.8 73.2



#5
 2-Fluorophenol
 Concen: 109.099 ng
 RT: 5.551 min Scan# 555
 Delta R.T. 0.000 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

Tgt Ion:112 Resp: 659891
 Ion Ratio Lower Upper
 112 100
 64 67.5 49.5 74.3
 63 36.7 26.3 39.5

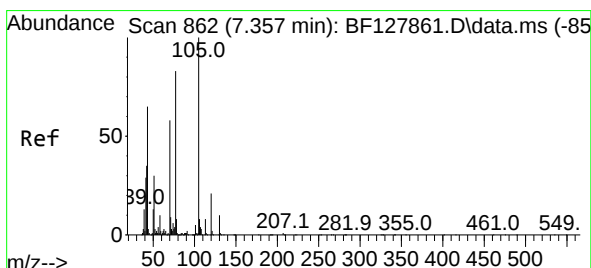
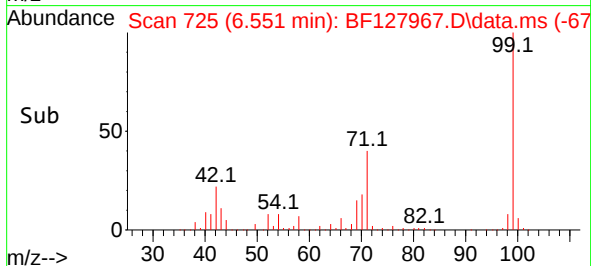
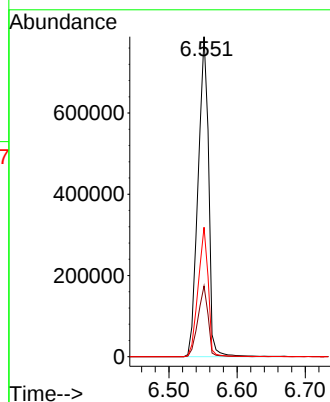
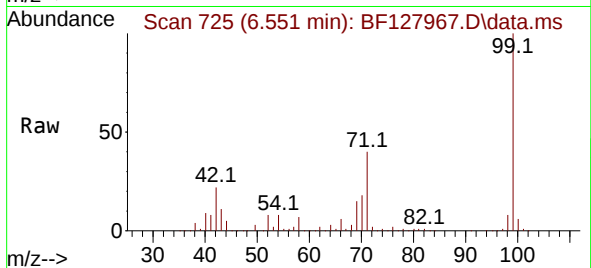




#7
Phenol-d6
Concen: 107.376 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

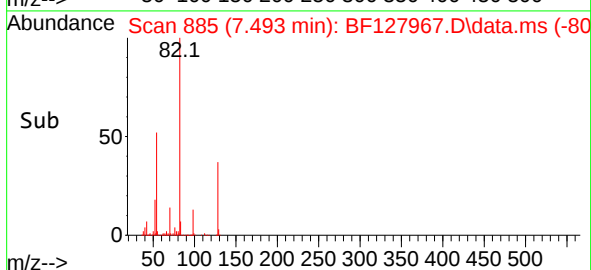
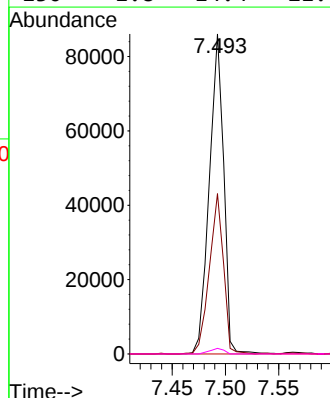
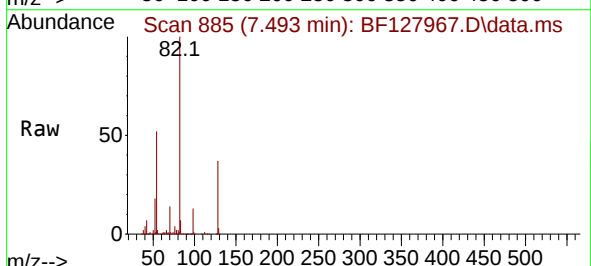
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

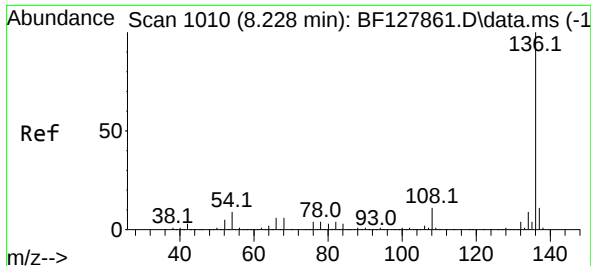
Tgt Ion: 99 Resp: 842728
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 40.4 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.828 ng
RT: 7.493 min Scan# 885
Delta R.T. 0.147 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion: 70 Resp: 80848
Ion Ratio Lower Upper
70 100
42 50.1 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#

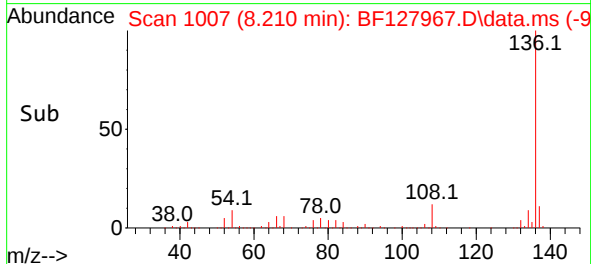
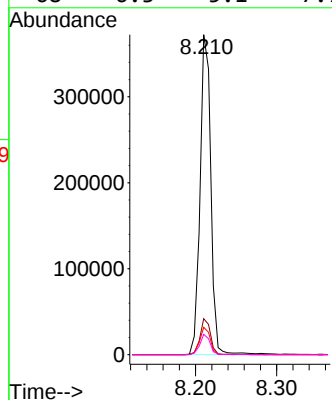
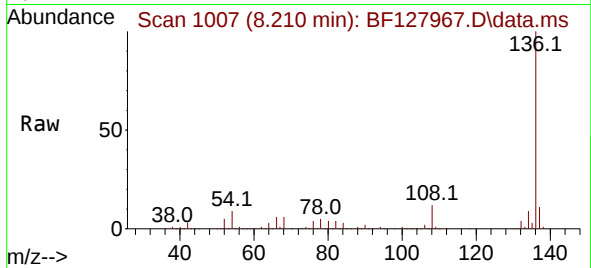




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

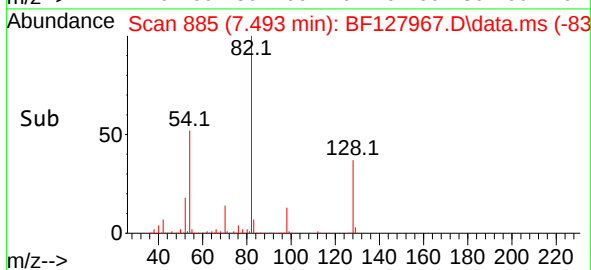
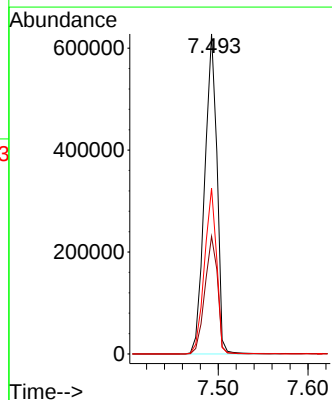
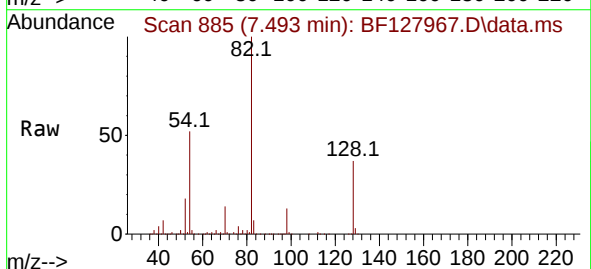
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Tgt Ion:	136	Resp:	344885
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	8.5	6.8	10.2
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 81.584 ng
RT: 7.493 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:	82	Resp:	598357
Ion Ratio	Lower	Upper	
82	100		
128	36.8	30.0	45.0
54	51.8	41.3	61.9

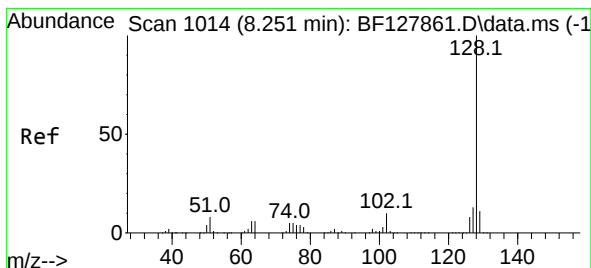
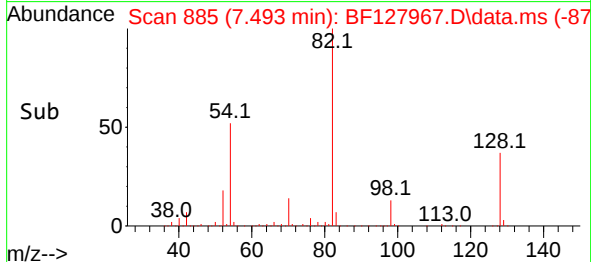
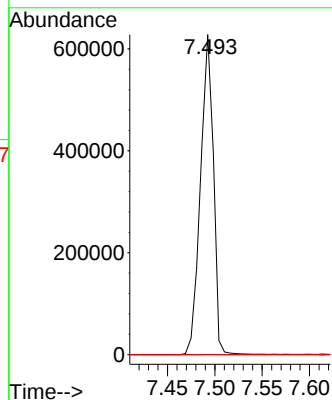
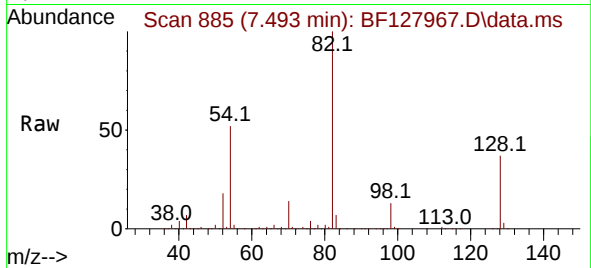




#25
Isophorone
Concen: 48.473 ng
RT: 7.493 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

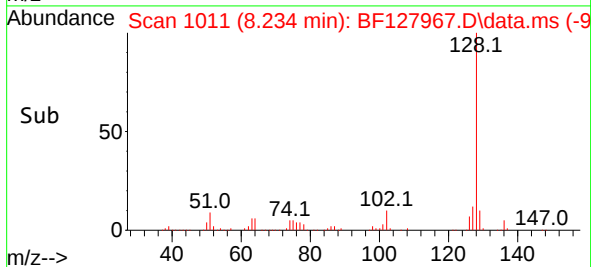
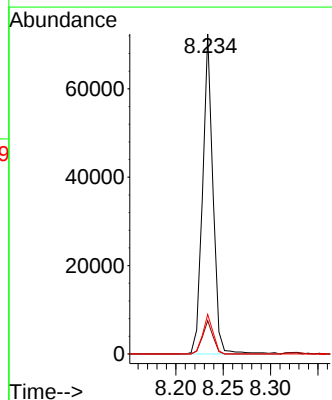
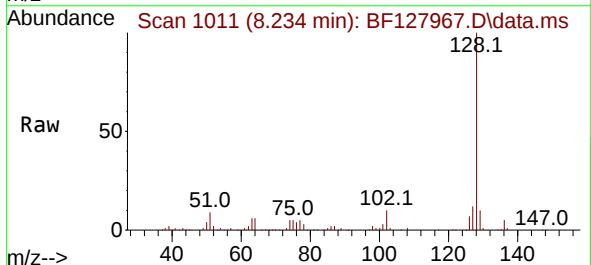
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

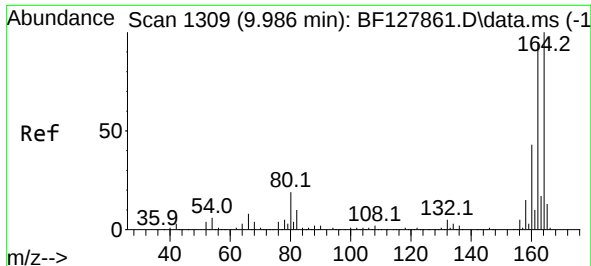
Tgt Ion: 82 Resp: 598347
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 3.156 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion: 128 Resp: 55443
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 12.4 10.6 16.0

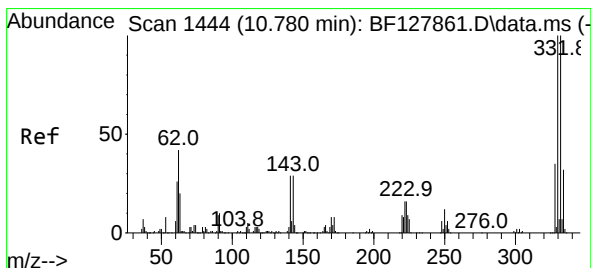
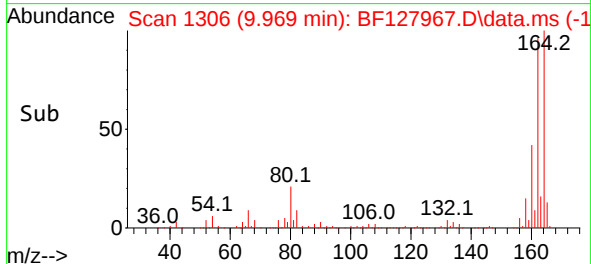
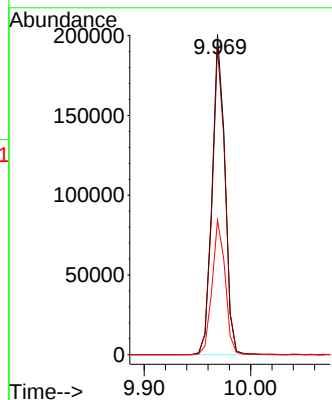
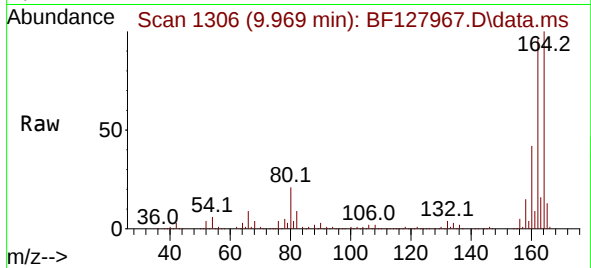




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

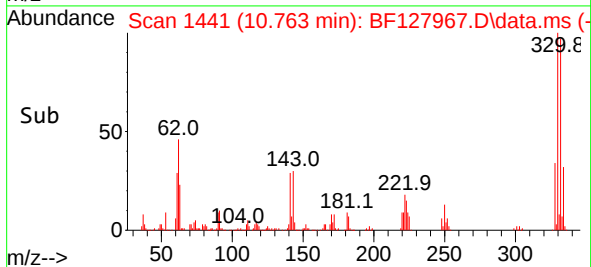
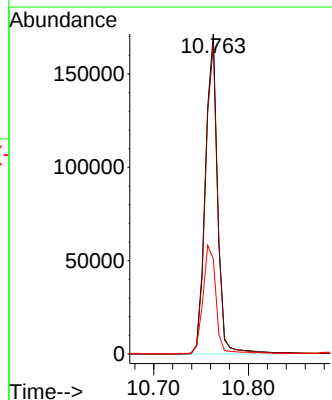
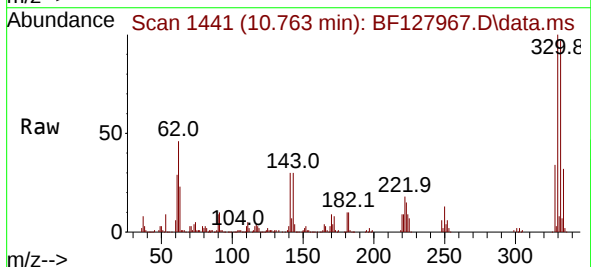
Instrument :
BNA_F
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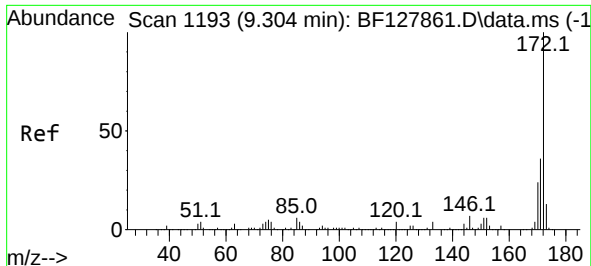
Tgt Ion:164 Resp: 167424
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 42.0 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 91.357 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:330 Resp: 153974
Ion Ratio Lower Upper
330 100
332 97.2 79.0 118.4
141 36.8 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 85.230 ng

RT: 9.287 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

OR-02-042622

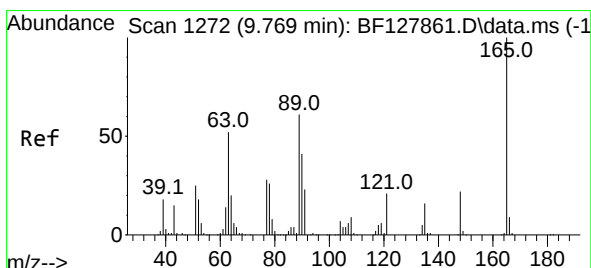
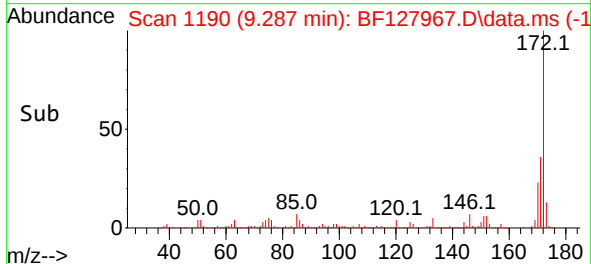
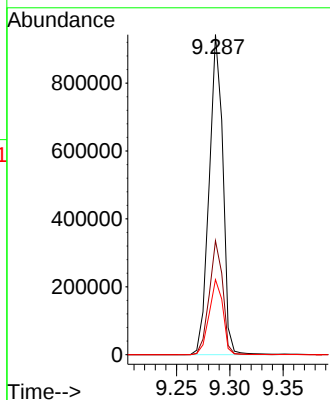
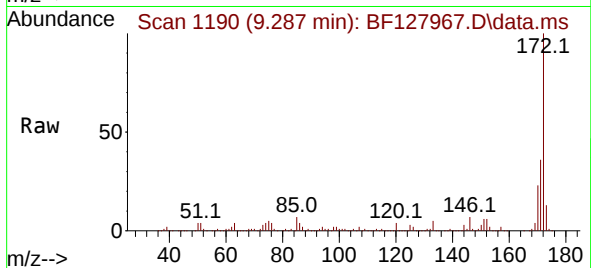
Tgt Ion:172 Resp: 843485

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.4 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.297 ng

RT: 9.969 min Scan# 1306

Delta R.T. 0.206 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

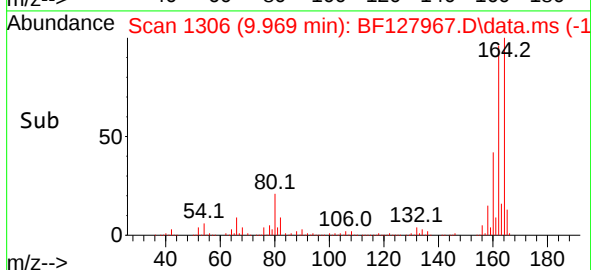
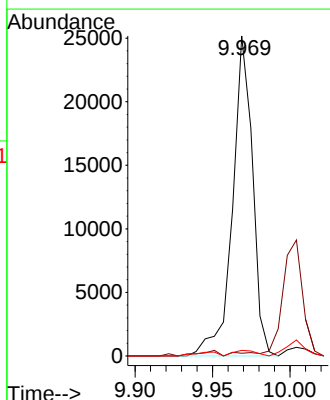
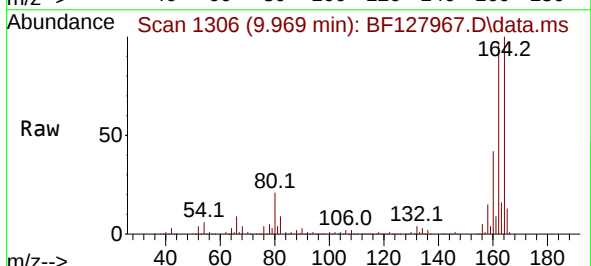
Tgt Ion:165 Resp: 22601

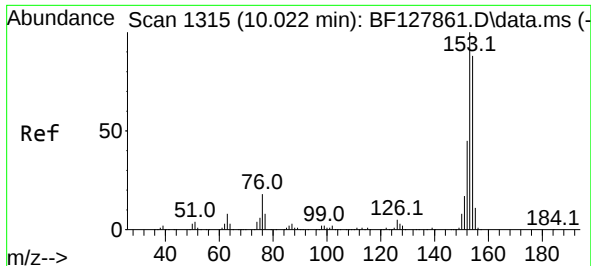
Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.7 49.0 73.4#

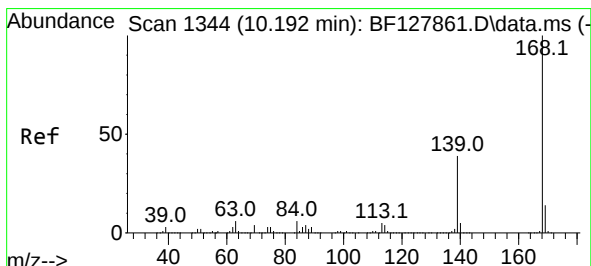
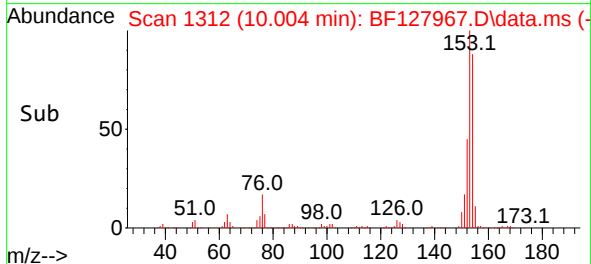
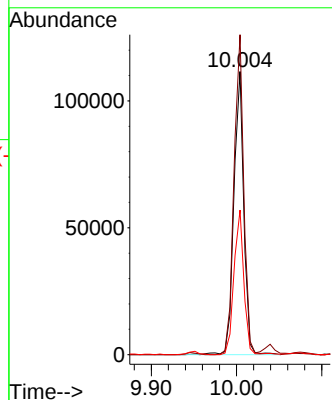
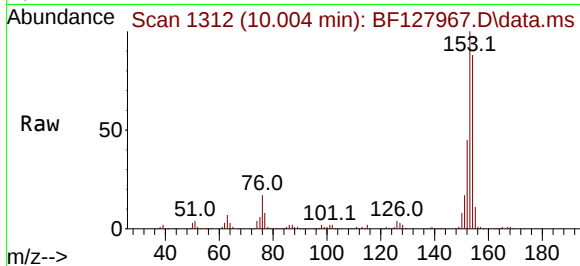




#52
Acenaphthene
Concen: 9.285 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

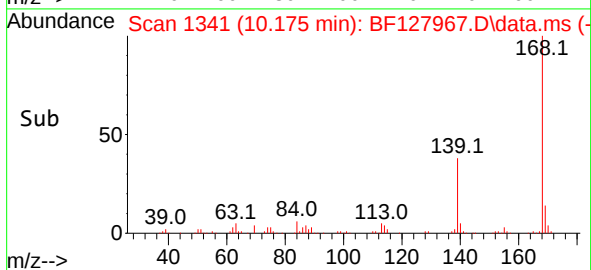
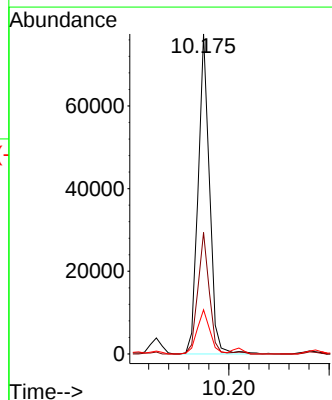
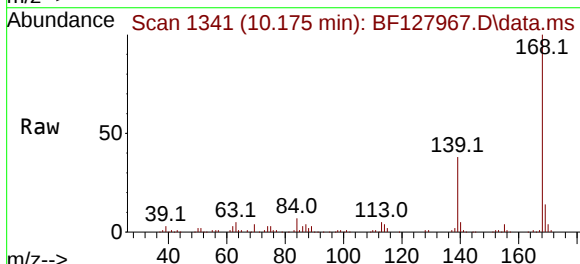
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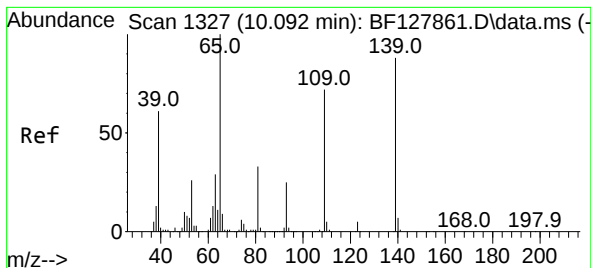
Tgt Ion:154 Resp: 90152
Ion Ratio Lower Upper
154 100
153 113.0 90.5 135.7
152 51.1 41.0 61.6



#55
Dibenzofuran
Concen: 4.356 ng
RT: 10.175 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:168 Resp: 61022
Ion Ratio Lower Upper
168 100
139 37.9 31.7 47.5
169 13.8 10.9 16.3

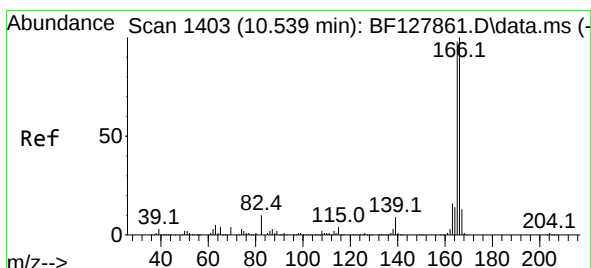
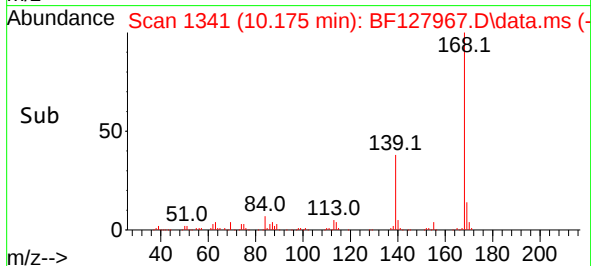
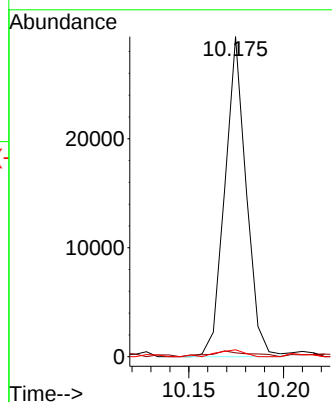
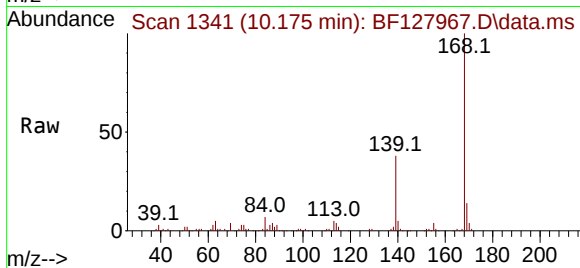




#56
4-Nitrophenol
Concen: 11.188 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

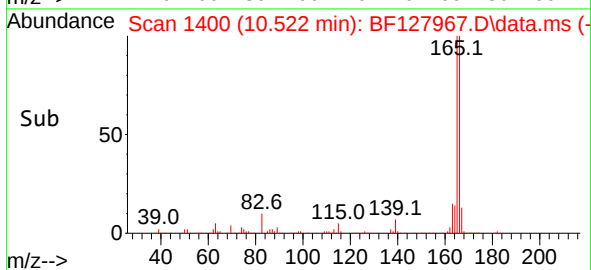
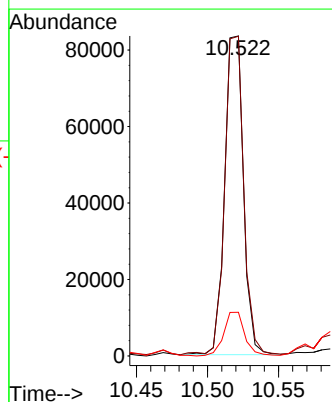
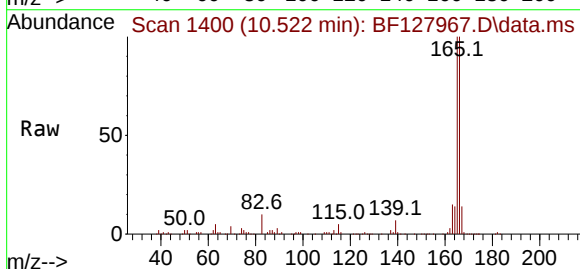
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

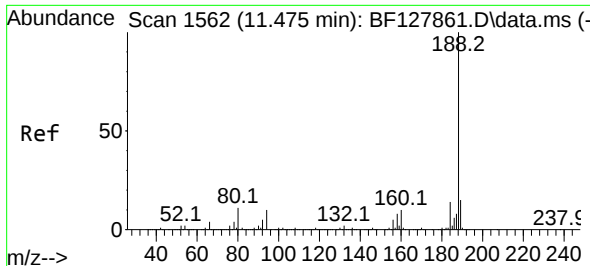
Tgt Ion:139 Resp: 23063
Ion Ratio Lower Upper
139 100
109 1.2 61.9 101.9#
65 2.1 93.5 133.5#



#58
Fluorene
Concen: 7.300 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:166 Resp: 76304
Ion Ratio Lower Upper
166 100
165 99.9 78.6 117.8
167 13.6 10.5 15.7

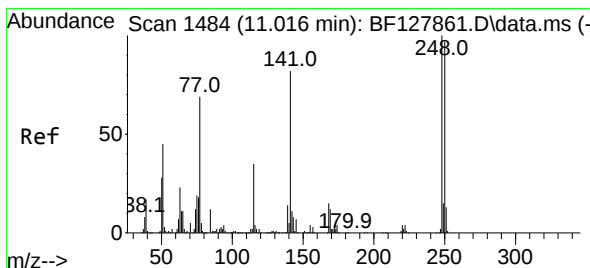
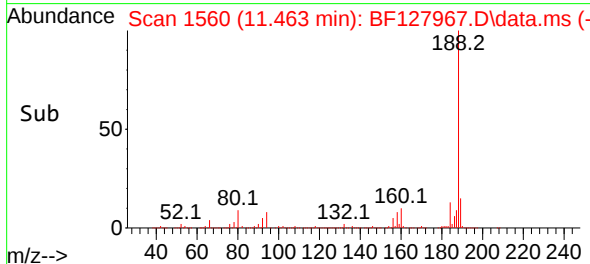
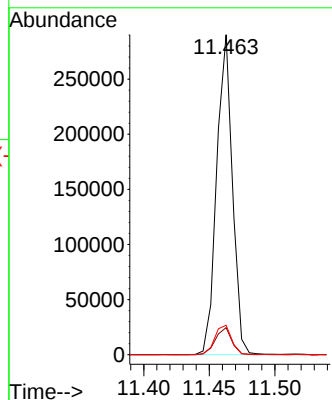
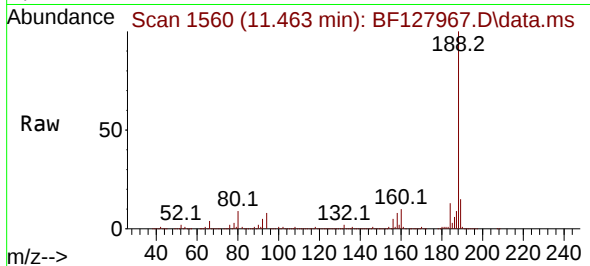




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

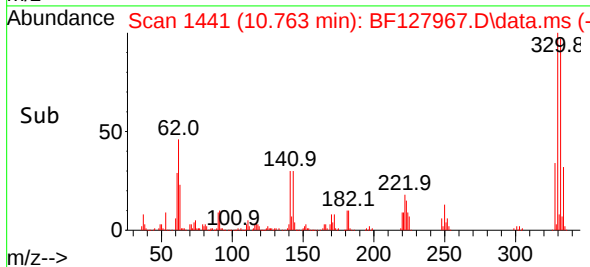
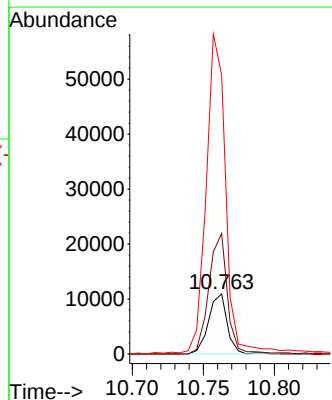
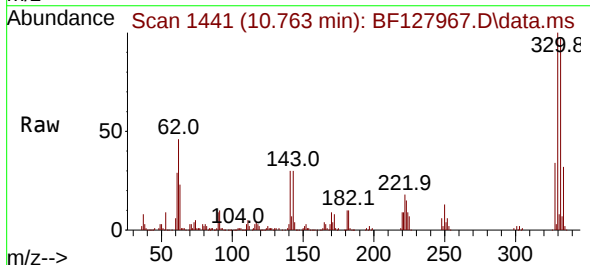
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

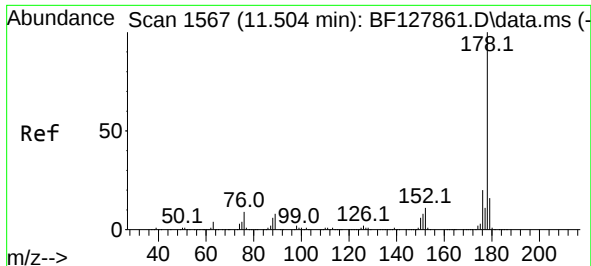
Tgt Ion:188 Resp: 242232
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.2 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.714 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.247 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:248 Resp: 9974
Ion Ratio Lower Upper
248 100
250 200.7 77.7 116.5#
141 464.6 65.6 98.4#

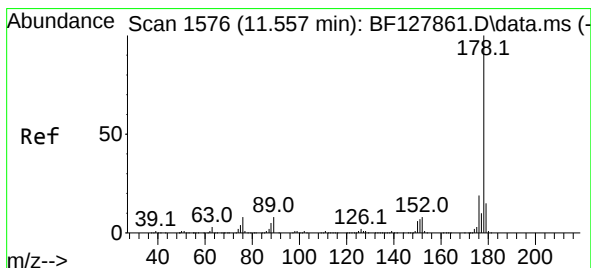
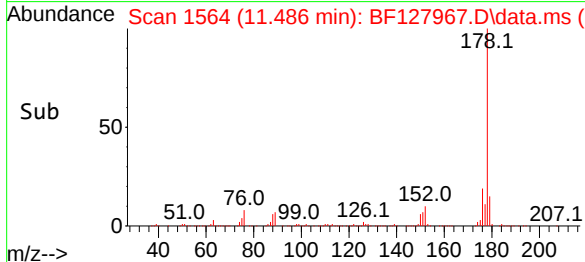
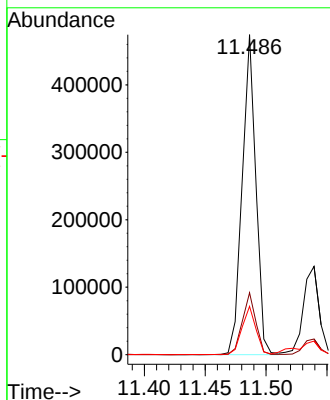
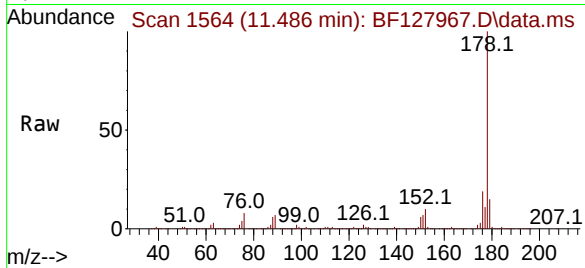




#71
Phenanthrene
Concen: 29.168 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

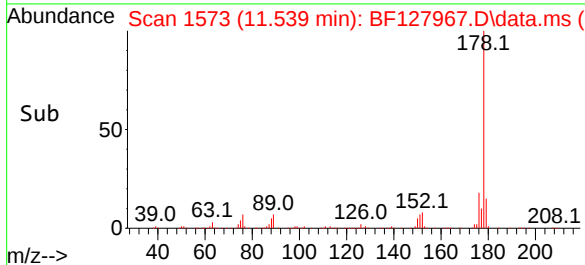
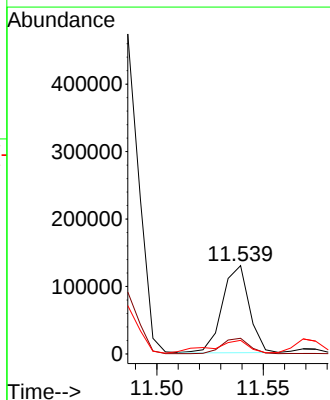
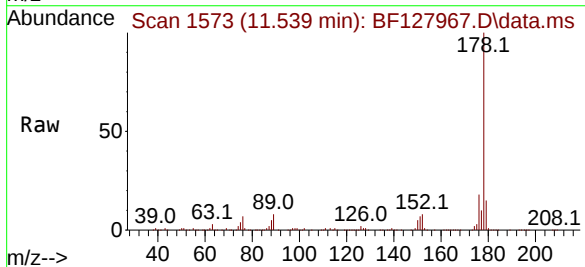
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

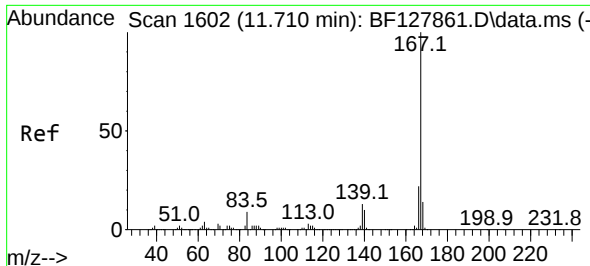
Tgt Ion:178 Resp: 369838
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.1 12.6 19.0



#72
Anthracene
Concen: 8.983 ng
RT: 11.539 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:178 Resp: 113465
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.6
179 15.3 12.4 18.6



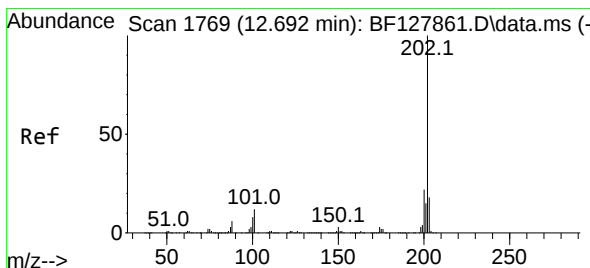
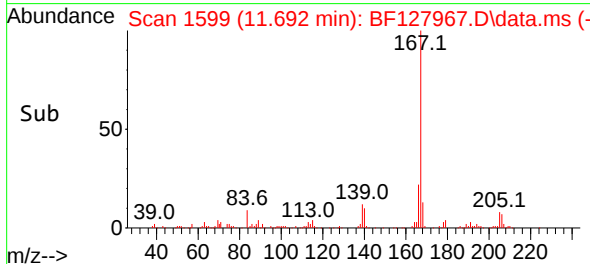
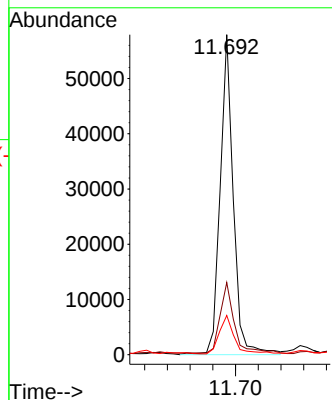
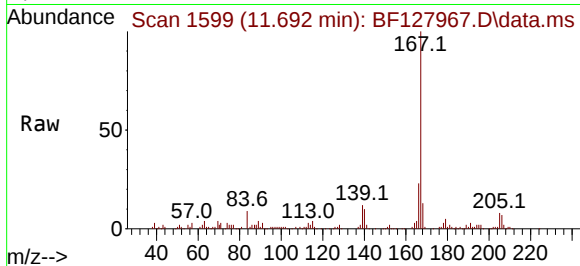


#73
 Carbazole
 Concen: 3.837 ng
 RT: 11.692 min Scan# 1599
 Delta R.T. -0.006 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042622

Tgt Ion:167 Resp: 46705

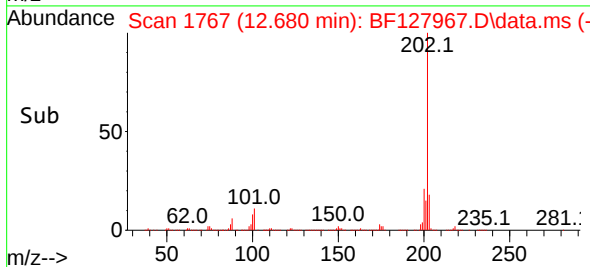
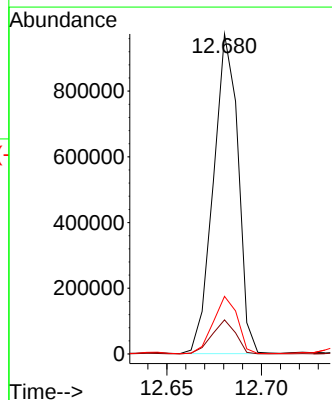
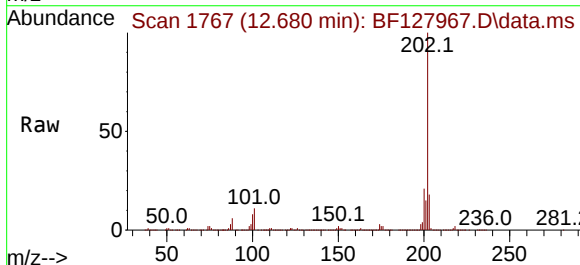
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.3	10.7	16.1

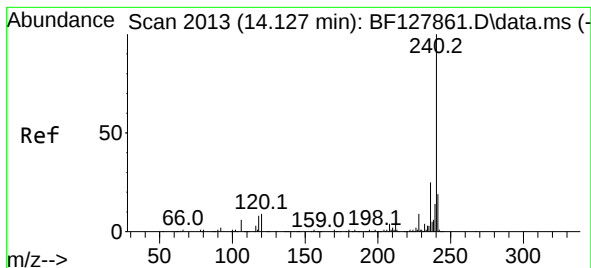


#75
 Fluoranthene
 Concen: 66.268 ng
 RT: 12.680 min Scan# 1767
 Delta R.T. -0.006 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

Tgt Ion:202 Resp: 884344

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.6
203	18.0	0.0	38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

OR-02-042622

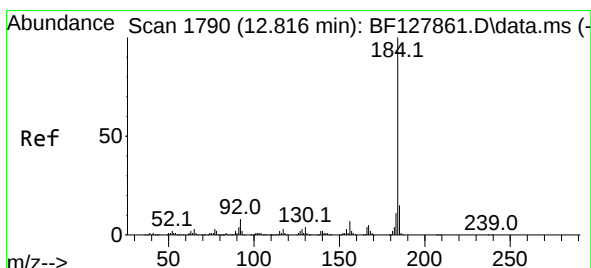
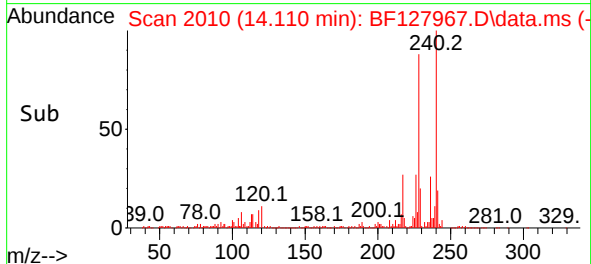
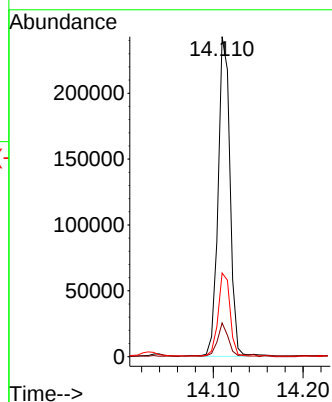
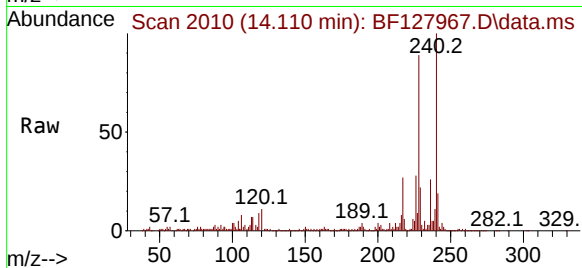
Tgt Ion:240 Resp: 225166

Ion Ratio Lower Upper

240 100

120 10.5 7.0 10.6

236 26.1 20.3 30.5



#77

Benzidine

Concen: 2.089 ng

RT: 13.045 min Scan# 1829

Delta R.T. 0.241 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

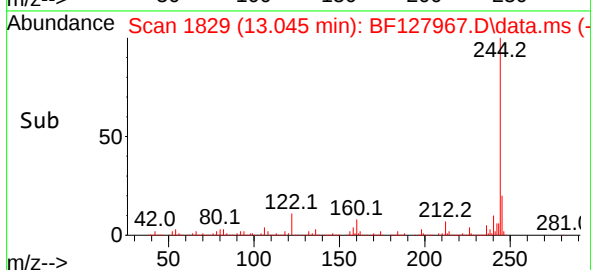
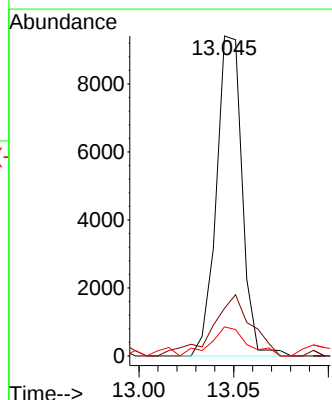
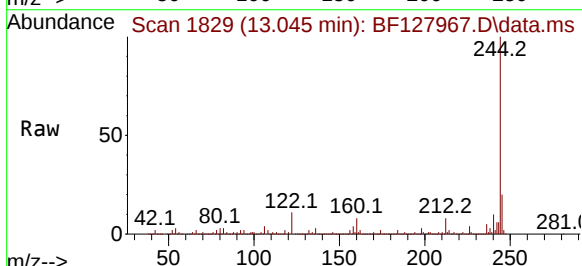
Tgt Ion:184 Resp: 8902

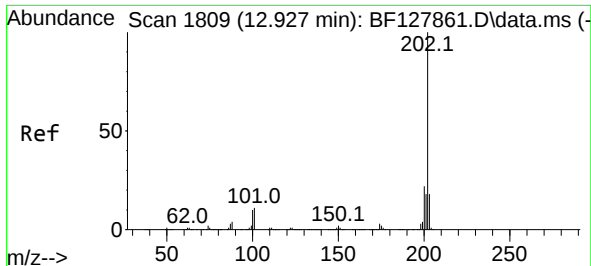
Ion Ratio Lower Upper

184 100

185 14.9 12.1 18.1

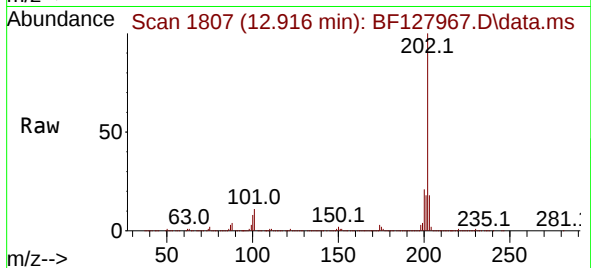
183 9.1 9.0 13.4



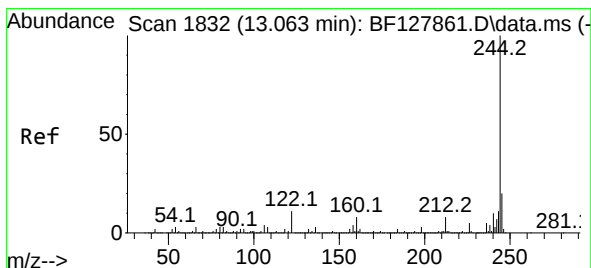
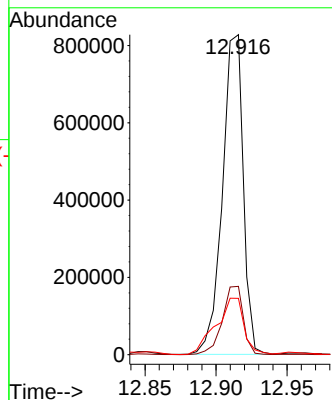
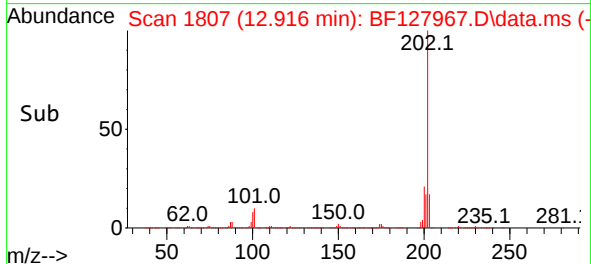


#78
 Pyrene
 Concen: 46.520 ng
 RT: 12.916 min Scan# 1807
 Delta R.T. 0.000 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

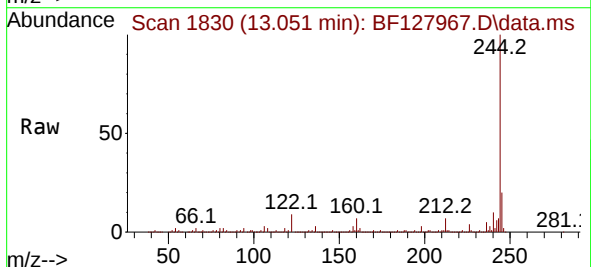
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042622



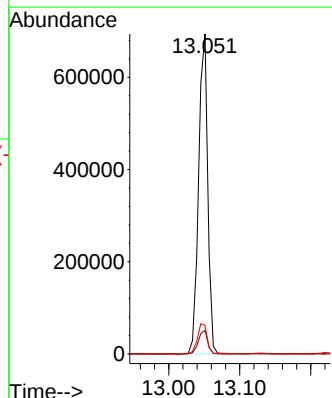
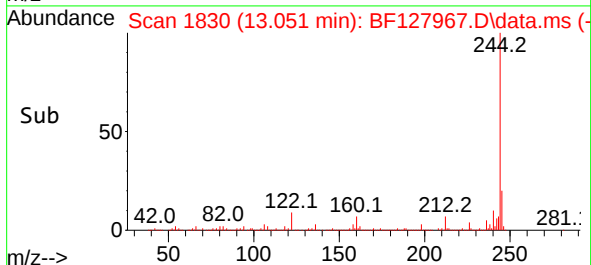
Tgt Ion:202 Resp: 845575
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.4 26.2
 203 17.6 14.0 21.0

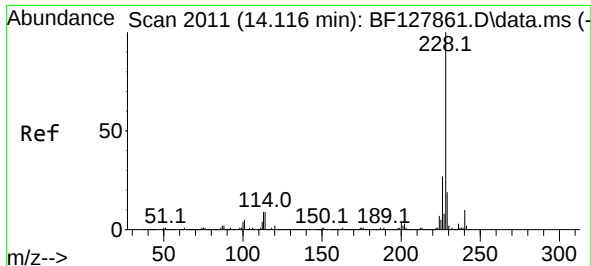


#79
 Terphenyl-d14
 Concen: 50.533 ng
 RT: 13.051 min Scan# 1830
 Delta R.T. -0.006 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38



Tgt Ion:244 Resp: 622249
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 8.9 8.6 12.8

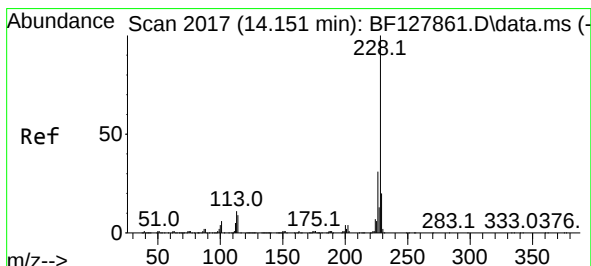
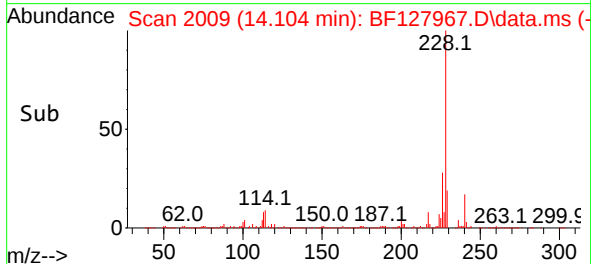
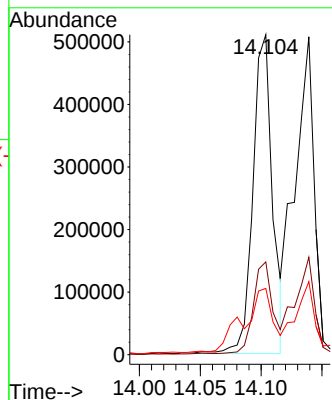
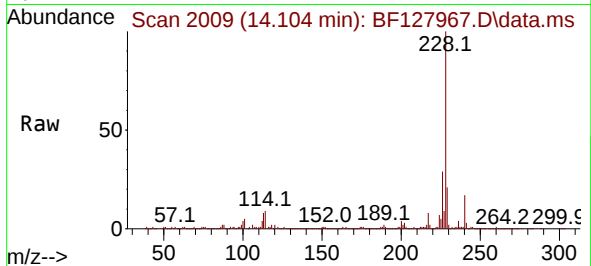




#81
Benzo(a)anthracene
Concen: 37.995 ng
RT: 14.104 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

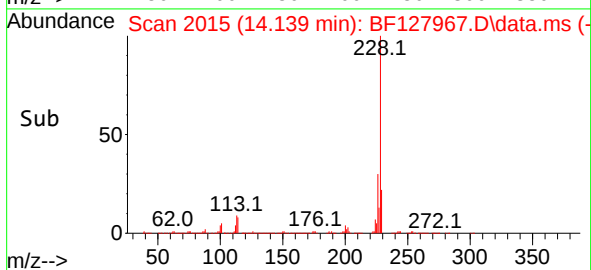
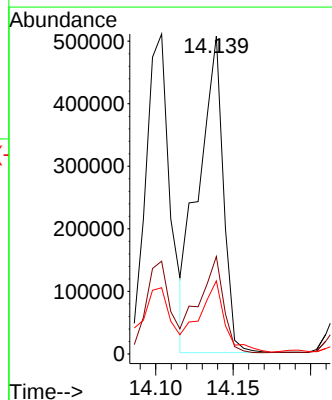
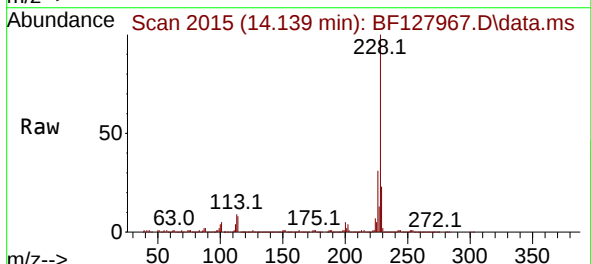
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

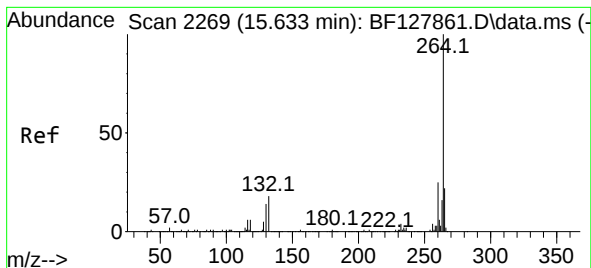
Tgt Ion:228 Resp: 570227
Ion Ratio Lower Upper
228 100
226 29.0 21.7 32.5
229 20.7 15.4 23.2



#83
Chrysene
Concen: 39.313 ng
RT: 14.139 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:228 Resp: 563486
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 23.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

Instrument :

BNA_F

ClientSampleId :

OR-02-042622

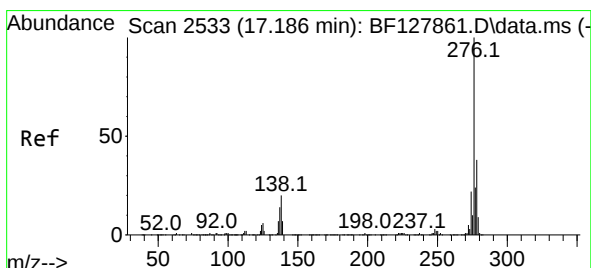
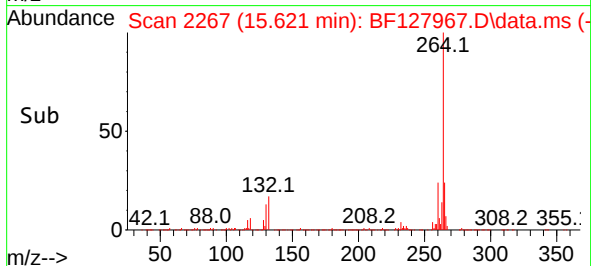
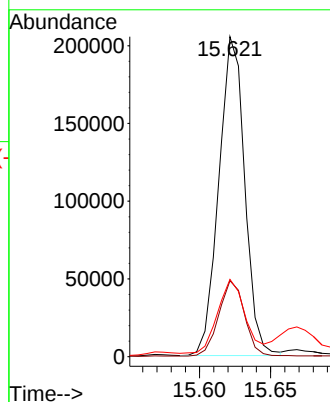
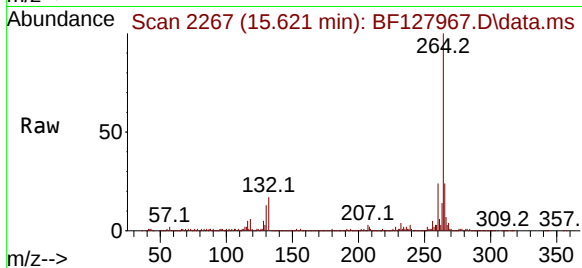
Tgt Ion:264 Resp: 259659

Ion Ratio Lower Upper

264 100

260 23.8 20.1 30.1

265 24.2 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.158 ng

RT: 17.157 min Scan# 2528

Delta R.T. -0.012 min

Lab File: BF127967.D

Acq: 28 Apr 2022 01:38

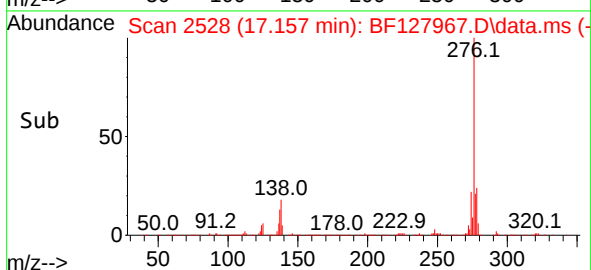
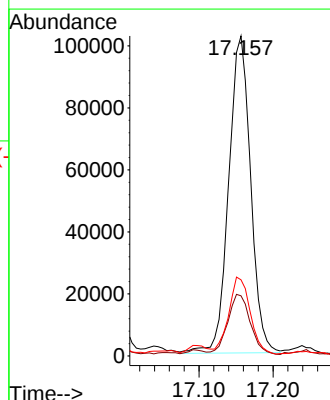
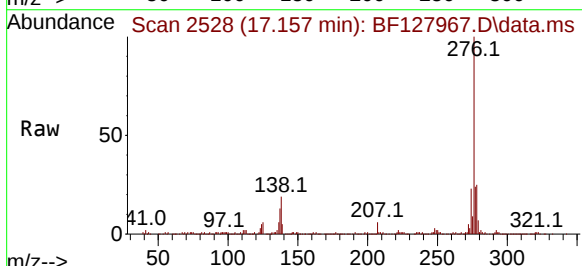
Tgt Ion:276 Resp: 210720

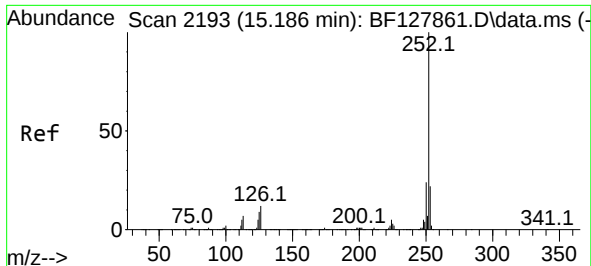
Ion Ratio Lower Upper

276 100

138 19.6 19.0 28.4

277 23.5 20.1 30.1

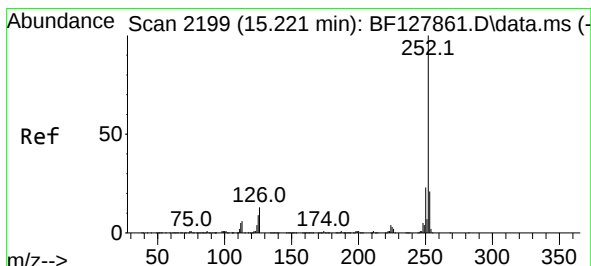
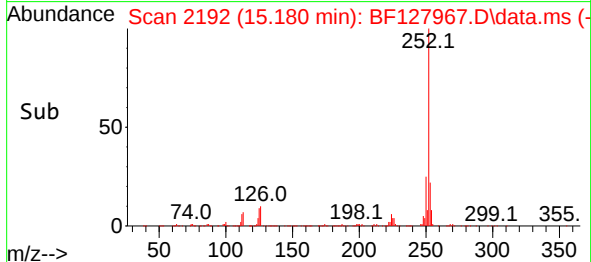
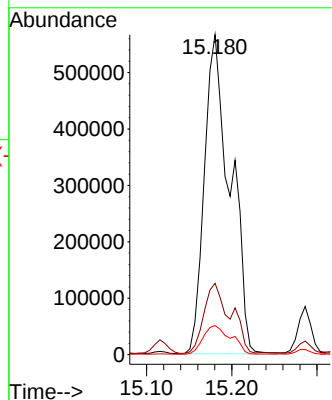
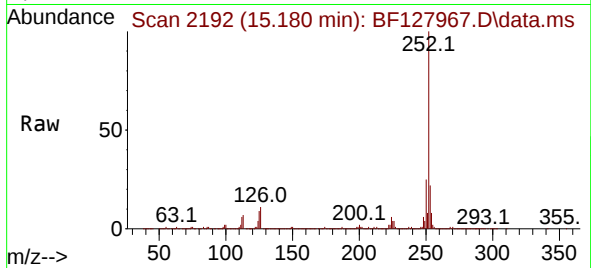




#88
Benzo(b)fluoranthene
Concen: 73.277 ng
RT: 15.180 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

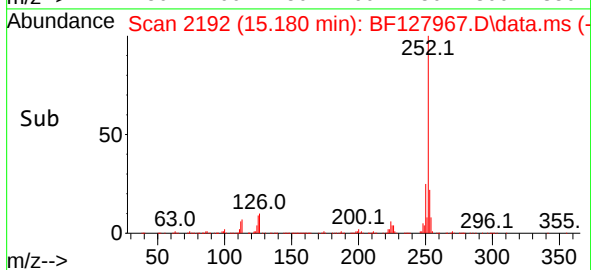
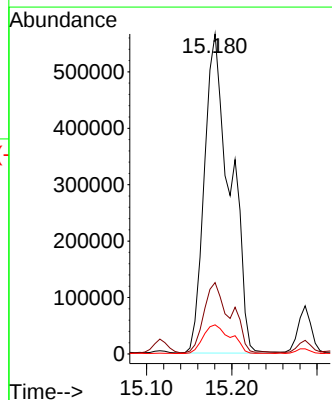
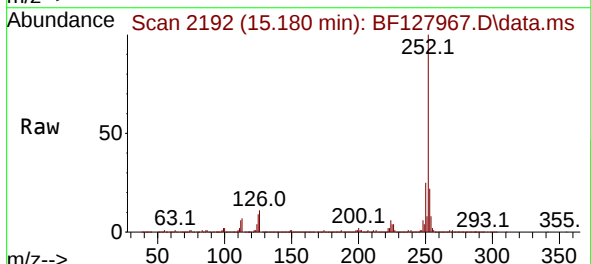
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

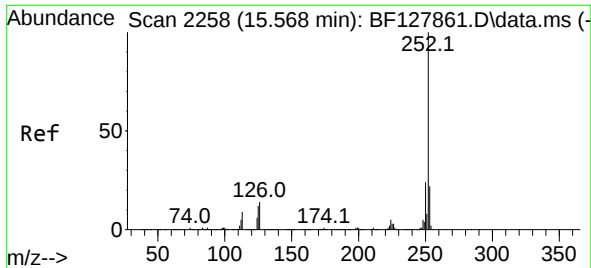
Tgt Ion:252 Resp: 1195059
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.1 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 72.733 ng
RT: 15.180 min Scan# 2192
Delta R.T. -0.029 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

Tgt Ion:252 Resp: 1195059
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 9.1 6.8 10.2

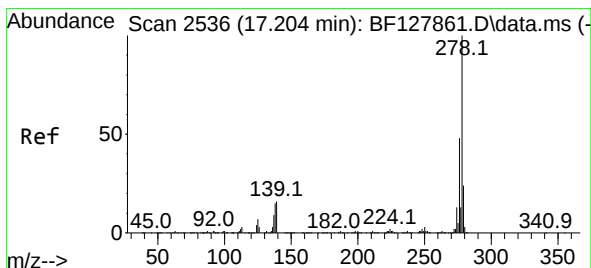
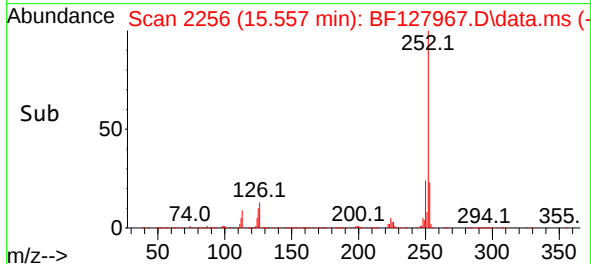
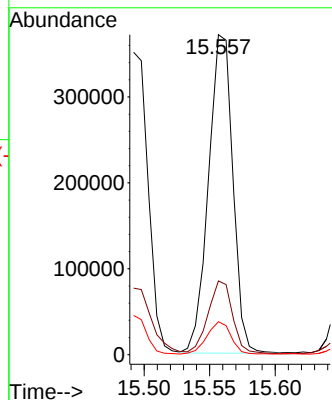
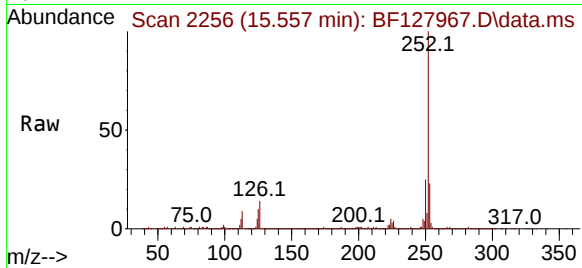




#90
Benzo(a)pyrene
Concen: 35.533 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

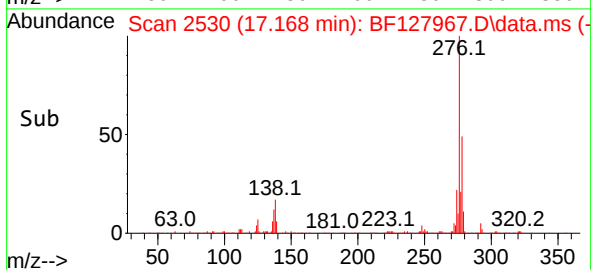
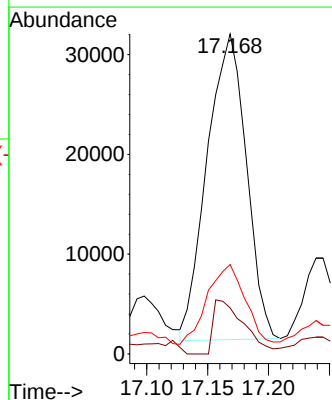
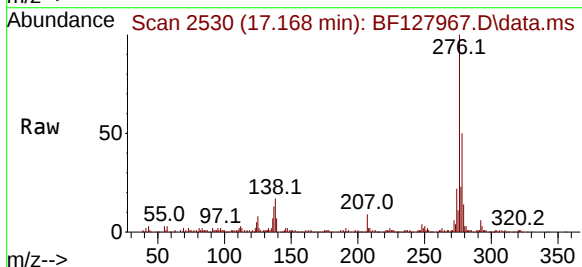
Instrument :
BNA_F
ClientSampleId :
OR-02-042622

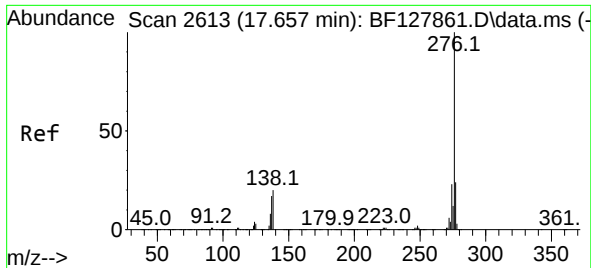
Tgt Ion:252 Resp: 480695
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.3 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 4.935 ng
RT: 17.168 min Scan# 2530
Delta R.T. -0.017 min
Lab File: BF127967.D
Acq: 28 Apr 2022 01:38

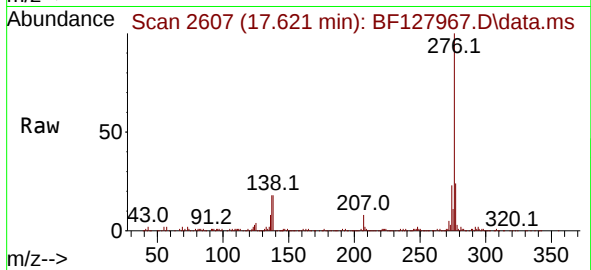
Tgt Ion:278 Resp: 68591
Ion Ratio Lower Upper
278 100
139 14.4 12.6 19.0
279 28.0 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 11.943 ng
 RT: 17.621 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF127967.D
 Acq: 28 Apr 2022 01:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042622



Tgt Ion:276 Resp: 174943
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.8 28.2
 138 18.0 16.2 24.2

