

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041122\
 Data File : BF127751.D
 Acq On : 11 Apr 2022 21:17
 Operator : CG\JU
 Sample : N2336-02 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C150-CU

Quant Time: Apr 12 04:56:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 13:55:27 2022
 Response via : Initial Calibration

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

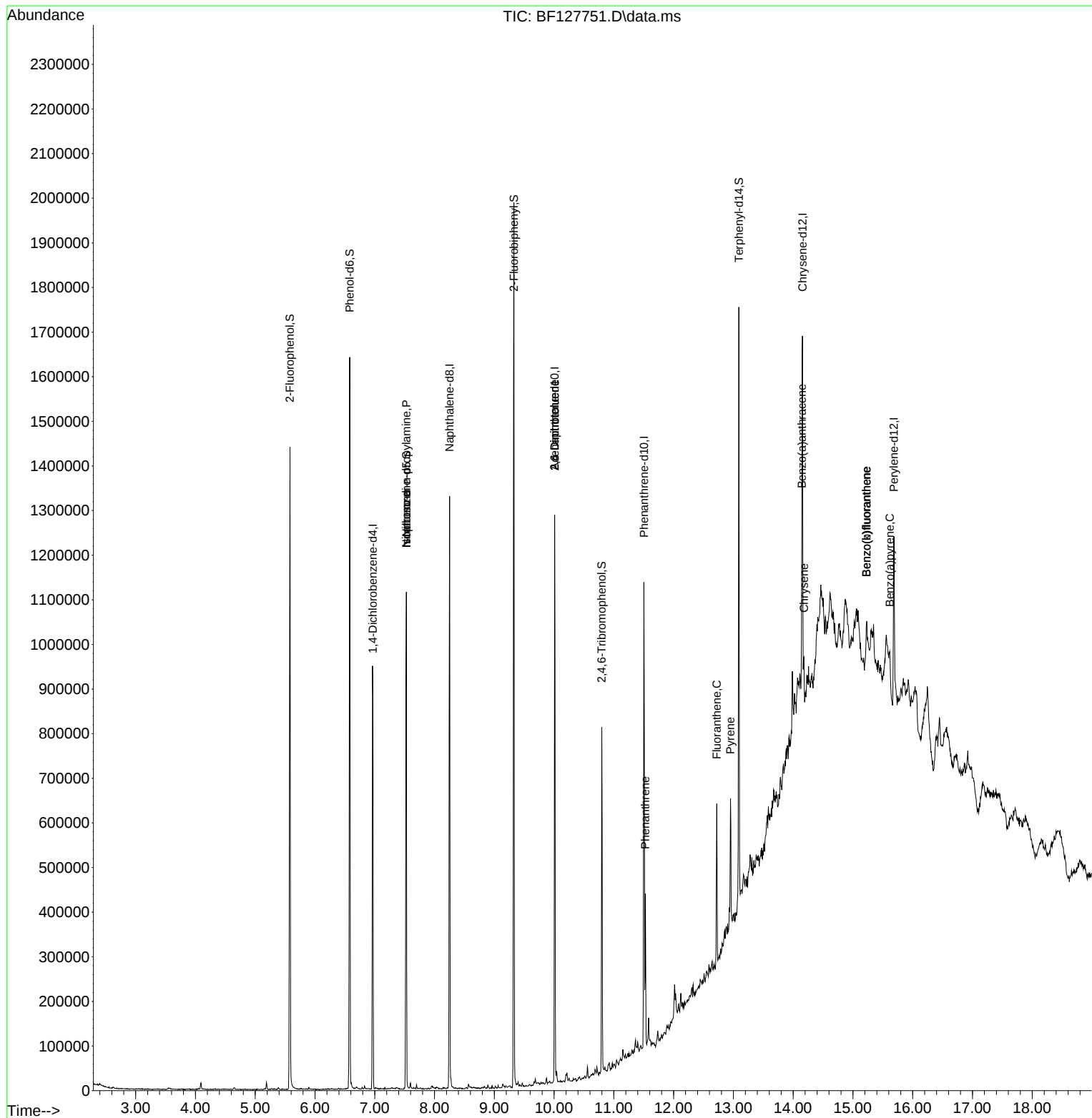
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	138978	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	490243	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	252535	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	357921	20.000	ng	0.00
76) Chrysene-d12	14.157	240	287540	20.000	ng	0.00
86) Perylene-d12	15.686	264	205929	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	341051	39.875	ng	0.00
7) Phenol-d6	6.581	99	471255	42.117	ng	0.00
23) Nitrobenzene-d5	7.528	82	327564	29.788	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	87960	32.731	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	583988	32.714	ng	0.00
79) Terphenyl-d14	13.092	244	423927	24.335	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.516	77	316	Below Cal	#	70
19) n-Nitroso-di-n-propyla...	7.528	70	44355	6.129 ng	#	73
25) Isophorone	7.528	82	327557	17.071 ng	#	70
51) 2,6-Dinitrotoluene	10.010	165	33735	9.777 ng	#	17
57) 2,4-Dinitrotoluene	10.010	165	33852	7.913 ng	#	14
71) Phenanthrene	11.527	178	106998	5.642 ng		99
75) Fluoranthene	12.721	202	133296	6.441 ng		99
78) Pyrene	12.951	202	117080	4.822 ng		99
81) Benzo(a)anthracene	14.145	228	50053	2.606 ng	#	91
83) Chrysene	14.180	228	49973	2.711 ng		94
88) Benzo(b)fluoranthene	15.227	252	66871	5.048 ng	#	63
89) Benzo(k)fluoranthene	15.227	252	66871	5.090 ng	#	61
90) Benzo(a)pyrene	15.615	252	29066	2.699 ng	#	59

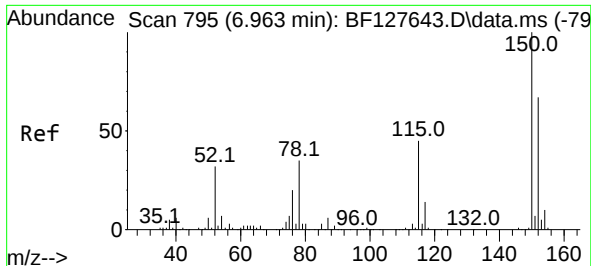
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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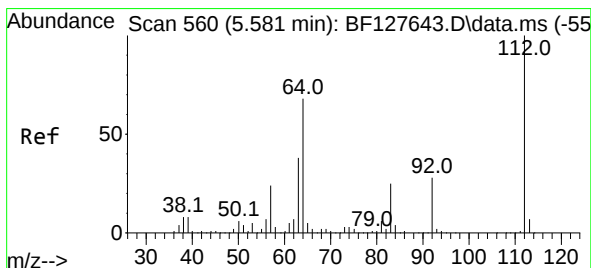
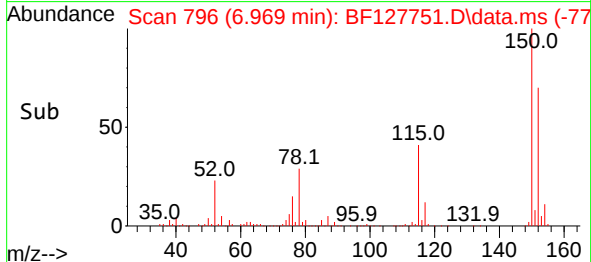
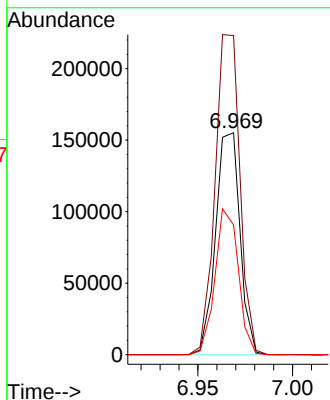
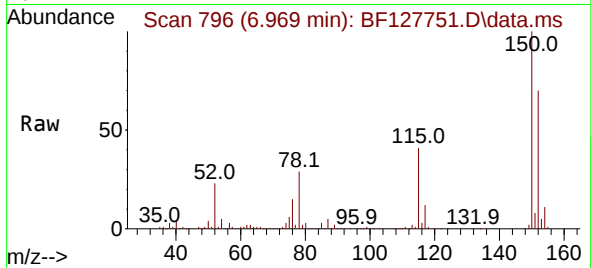




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

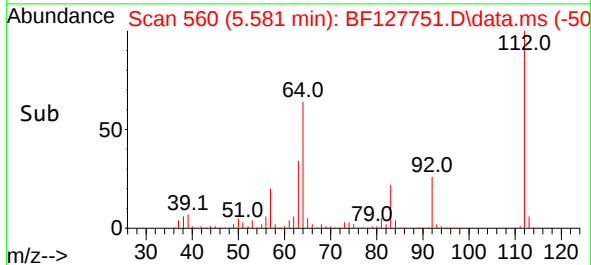
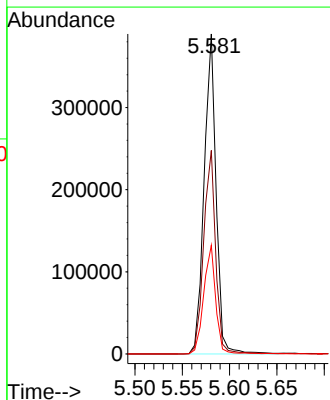
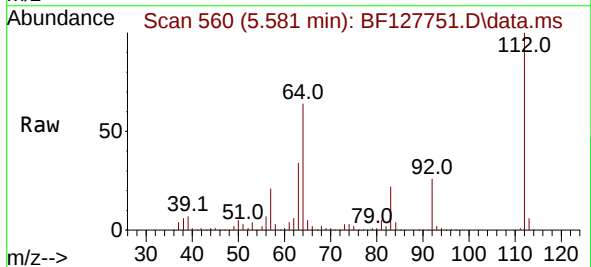
Instrument :
BNA_F
ClientSampleId :
C150-CU

Tgt Ion:152 Resp: 138978
Ion Ratio Lower Upper
152 100
150 143.8 117.2 175.8
115 58.5 49.8 74.6



#5
2-Fluorophenol
Concen: 39.875 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion:112 Resp: 341051
Ion Ratio Lower Upper
112 100
64 63.6 58.4 87.6
63 33.9 30.1 45.1

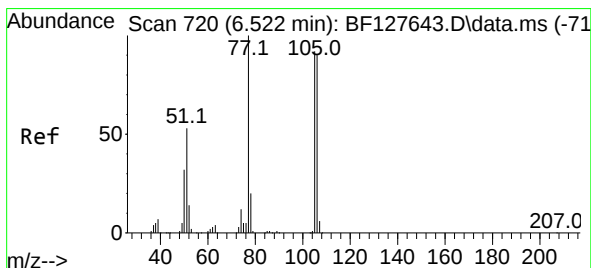
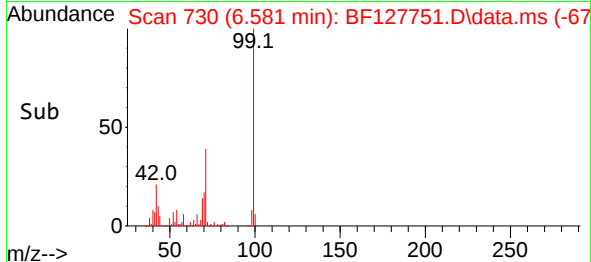
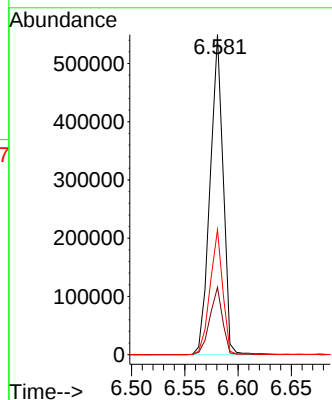
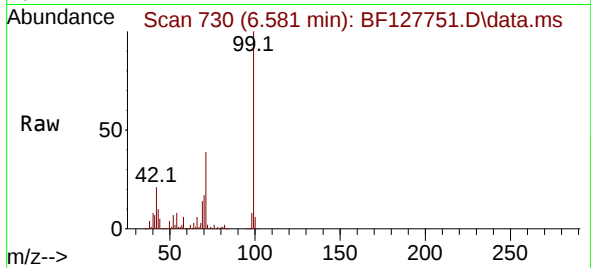




#7
Phenol-d6
Concen: 42.117 ng
RT: 6.581 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

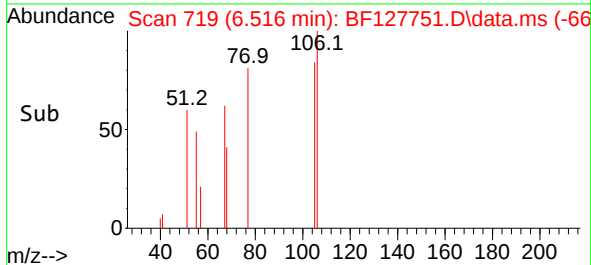
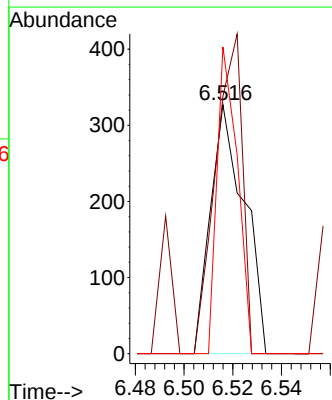
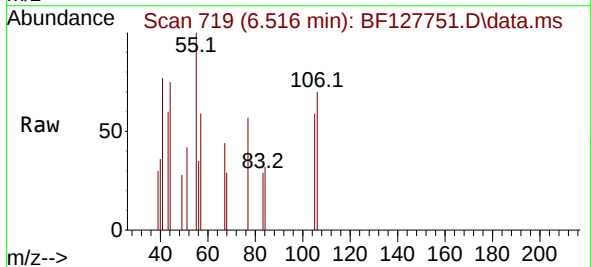
Instrument :
BNA_F
ClientSampleId :
C150-CU

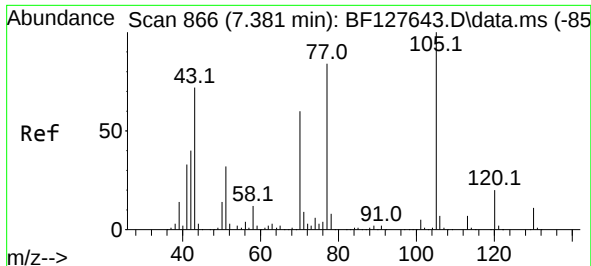
Tgt Ion: 99 Resp: 471255
Ion Ratio Lower Upper
99 100
42 21.1 17.8 26.6
71 39.1 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion: 77 Resp: 316
Ion Ratio Lower Upper
77 100
105 103.4 66.8 106.8
106 123.2 64.3 104.3#

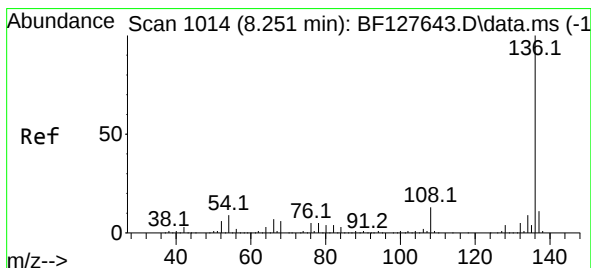
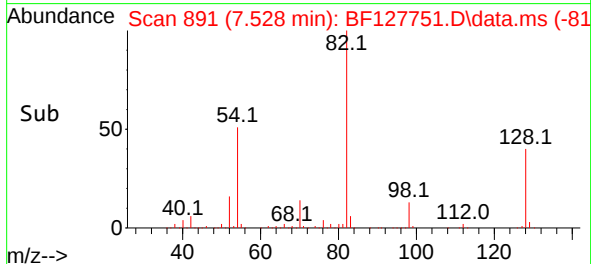
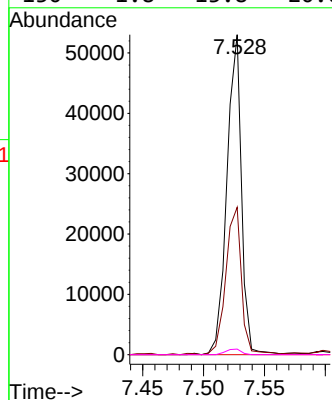
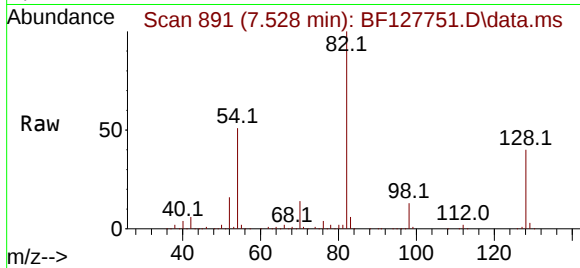




#19
n-Nitroso-di-n-propylamine
Concen: 6.129 ng
RT: 7.528 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

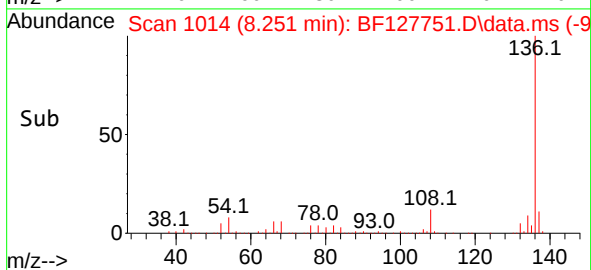
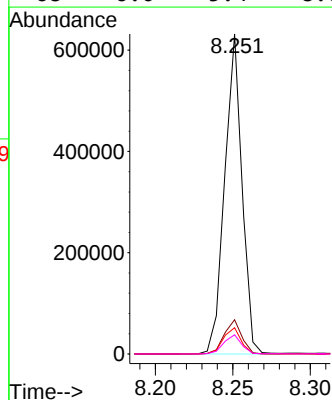
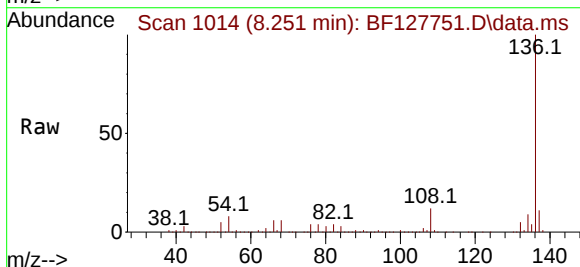
Instrument :
BNA_F
ClientSampleId :
C150-CU

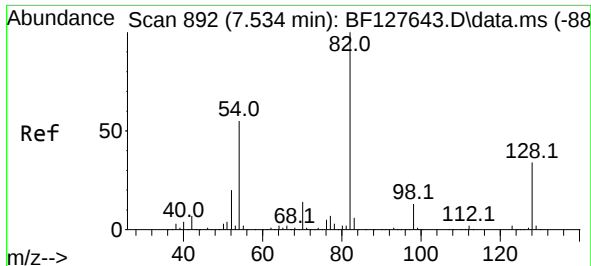
Tgt Ion: 70 Resp: 44355
Ion Ratio Lower Upper
70 100
42 46.1 53.0 79.6#
101 0.0 6.8 10.2#
130 1.8 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion: 136 Resp: 490243
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 9.2 13.8#
68 6.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 29.788 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127751.D

Acq: 11 Apr 2022 21:17

Instrument :

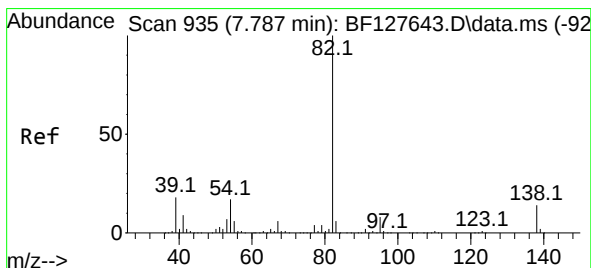
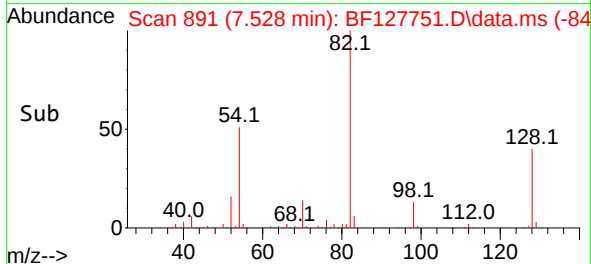
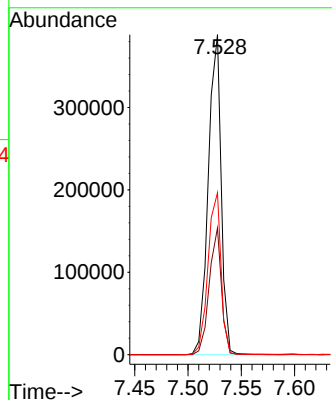
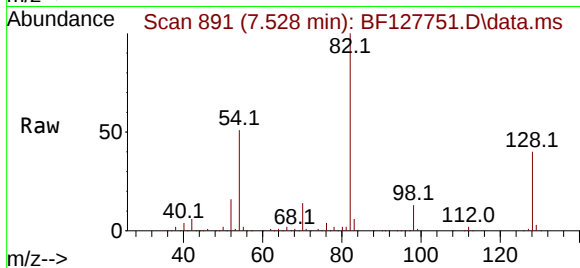
BNA_F

ClientSampleId :

C150-CU

Tgt Ion: 82 Resp: 327564

Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.6	45.8
54	50.6	48.2	72.2



#25

Isophorone

Concen: 17.071 ng

RT: 7.528 min Scan# 891

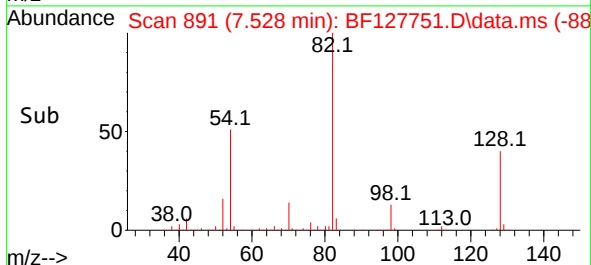
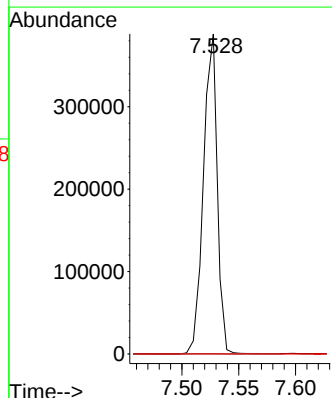
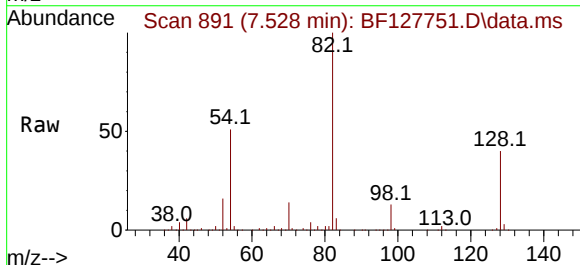
Delta R.T. -0.259 min

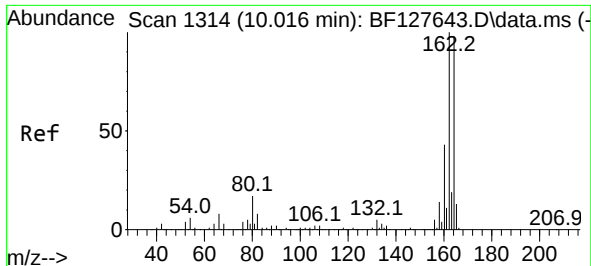
Lab File: BF127751.D

Acq: 11 Apr 2022 21:17

Tgt Ion: 82 Resp: 327557

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.8#
138	0.0	11.6	17.4#

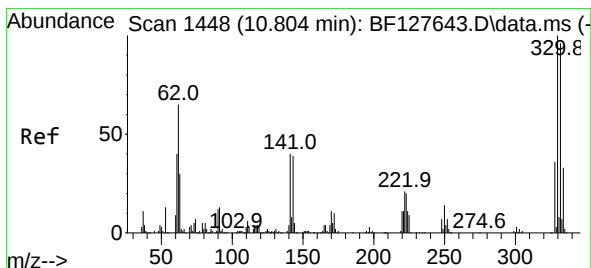
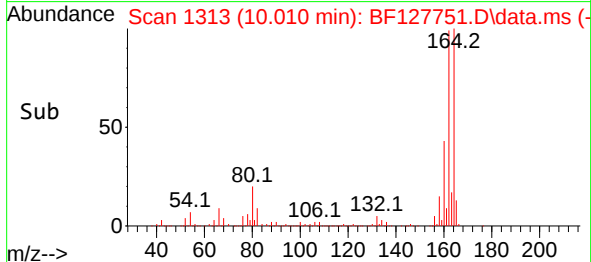
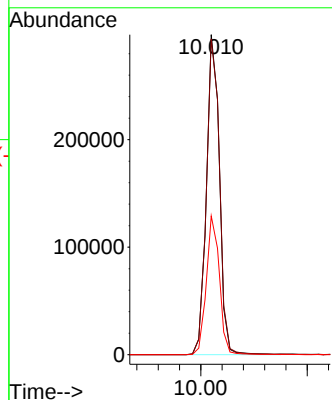
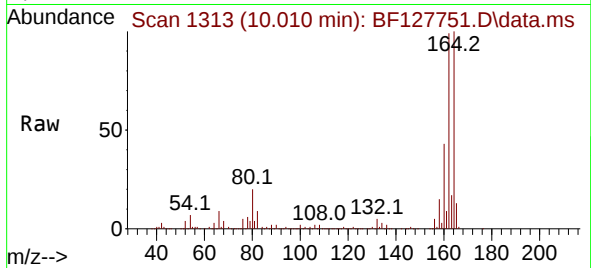




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

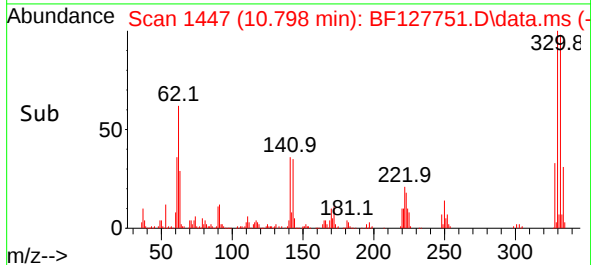
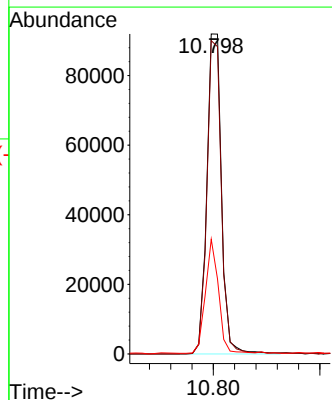
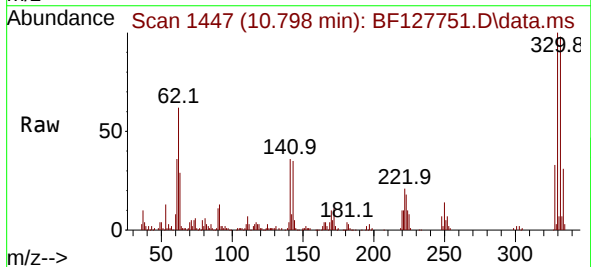
Instrument :
BNA_F
ClientSampleId :
C150-CU

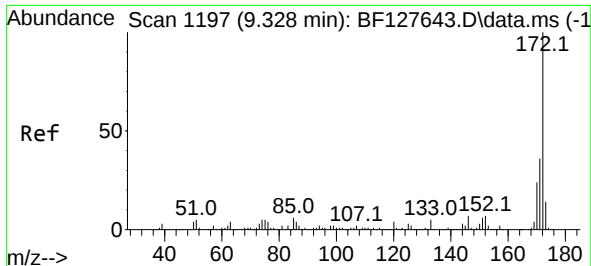
Tgt Ion:164 Resp: 252535
Ion Ratio Lower Upper
164 100
162 98.7 81.2 121.8
160 43.4 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 32.731 ng
RT: 10.798 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion:330 Resp: 87960
Ion Ratio Lower Upper
330 100
332 97.0 79.1 118.7
141 31.7 26.2 39.4

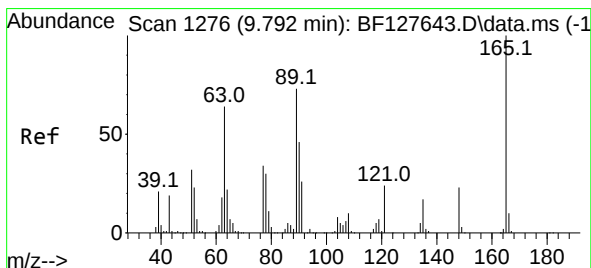
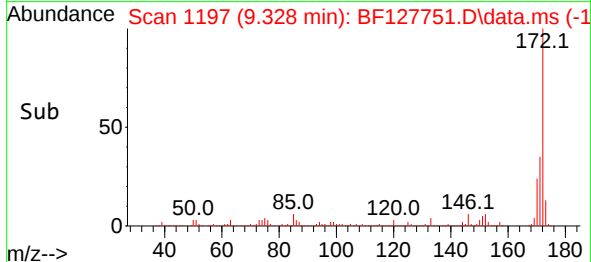
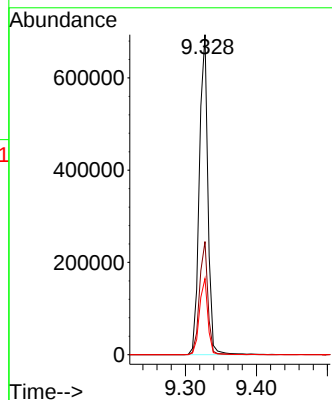
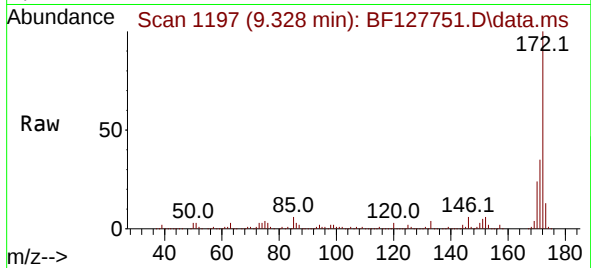




#45
2-Fluorobiphenyl
Concen: 32.714 ng
RT: 9.328 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

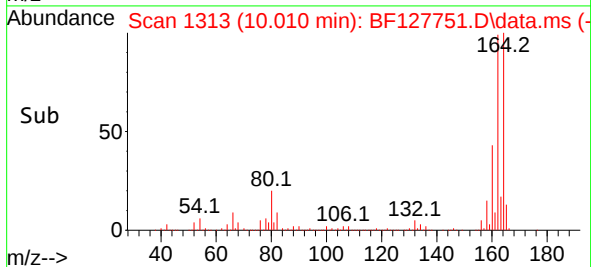
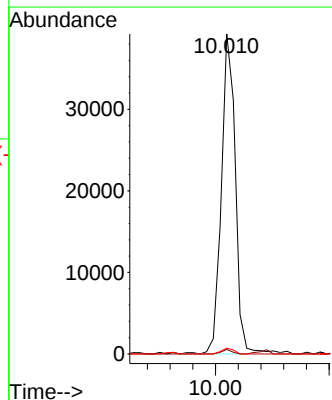
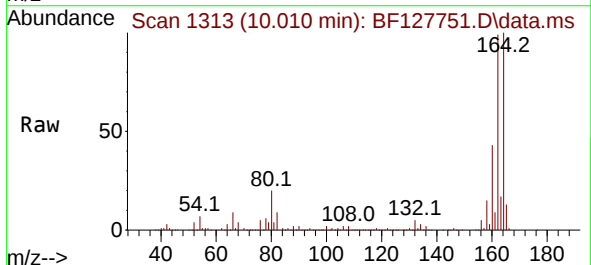
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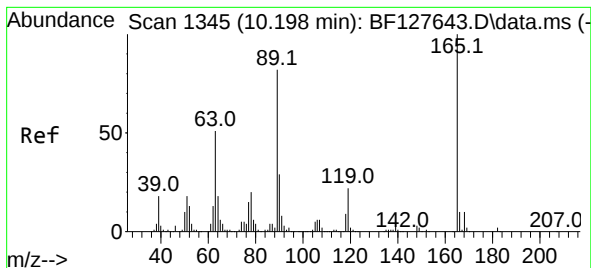
Tgt Ion:172 Resp: 583988
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.777 ng
RT: 10.010 min Scan# 1313
Delta R.T. 0.218 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion:165 Resp: 33735
Ion Ratio Lower Upper
165 100
63 1.4 58.3 87.5#
89 1.8 51.5 77.3#

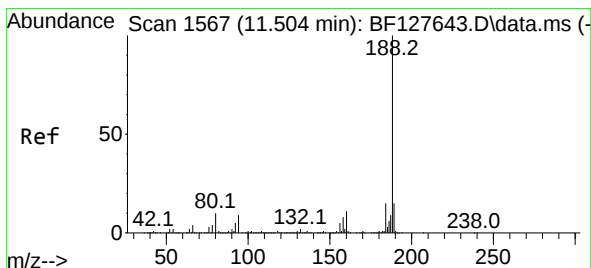
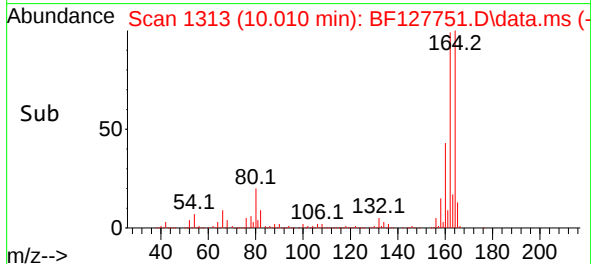
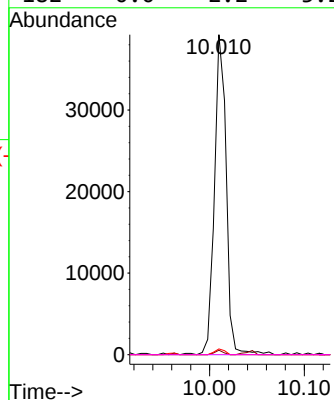
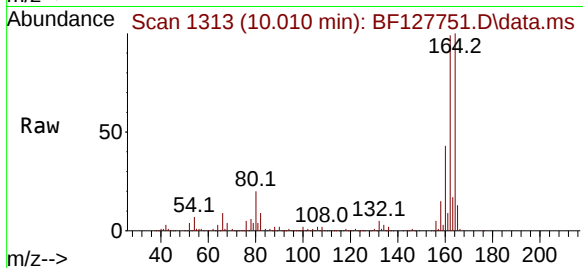




#57
2,4-Dinitrotoluene
Concen: 7.913 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

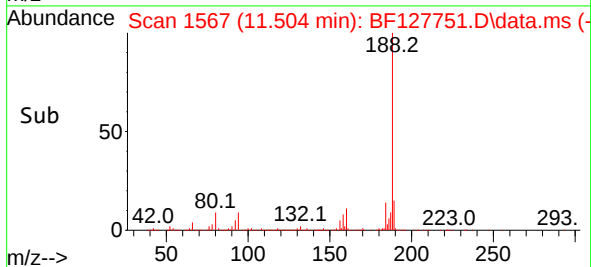
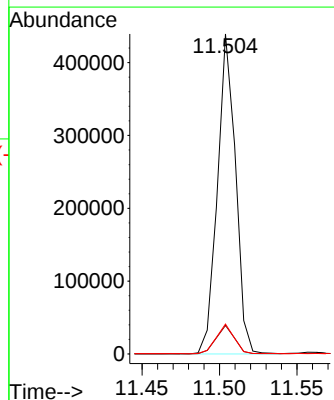
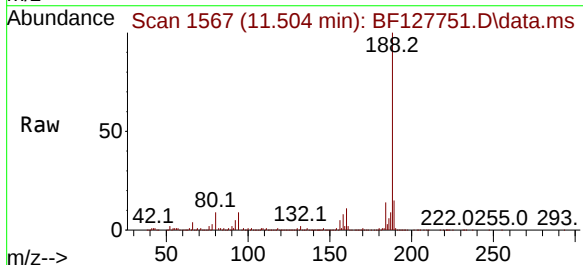
Instrument :
BNA_F
ClientSampleId :
C150-CU

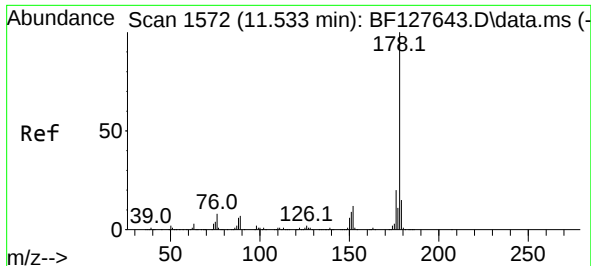
Tgt Ion:165 Resp: 33852
Ion Ratio Lower Upper
165 100
63 1.4 53.1 79.7#
89 1.8 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion:188 Resp: 357921
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.0
80 9.3 8.0 12.0

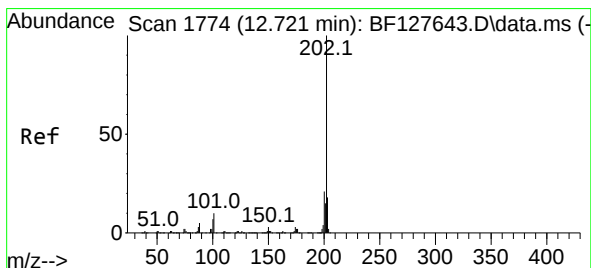
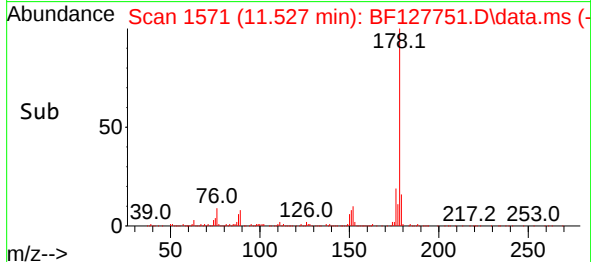
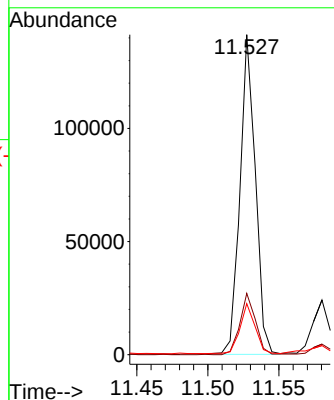
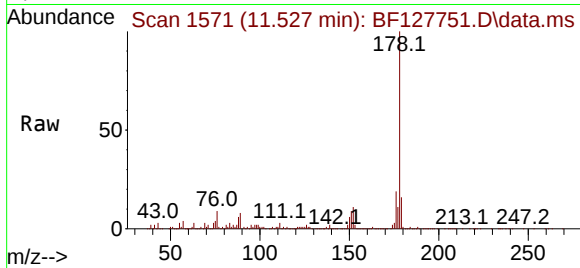




#71
Phenanthrene
Concen: 5.642 ng
RT: 11.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

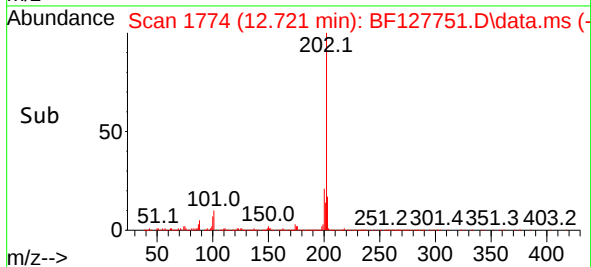
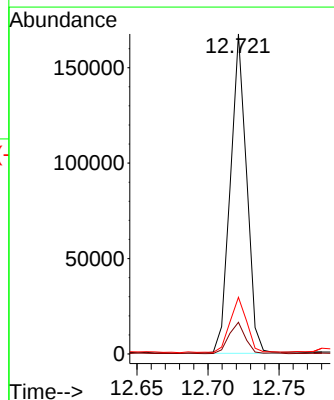
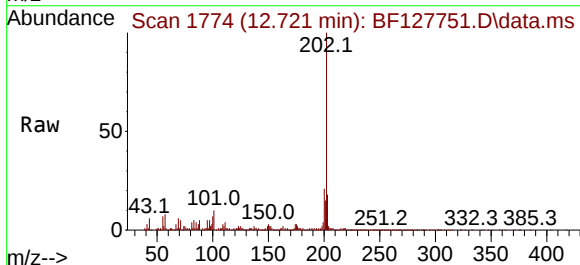
Instrument :
BNA_F
ClientSampleId :
C150-CU

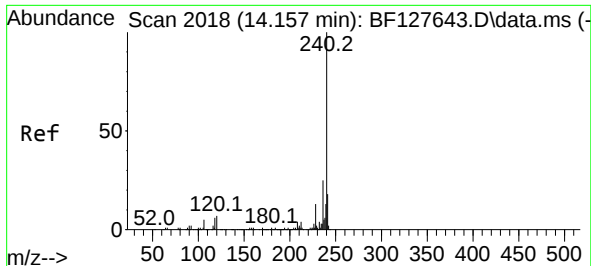
Tgt Ion:178 Resp: 106998
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.9 12.4 18.6



#75
Fluoranthene
Concen: 6.441 ng
RT: 12.721 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion:202 Resp: 133296
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.0
203 17.7 0.0 37.7

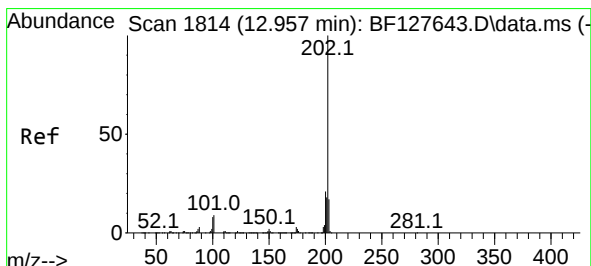
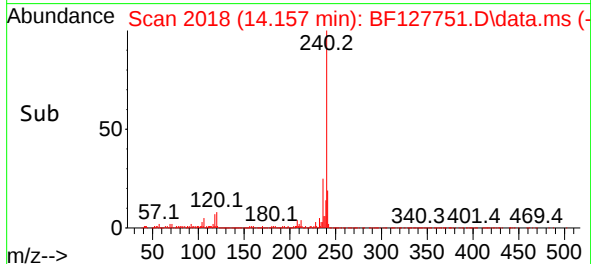
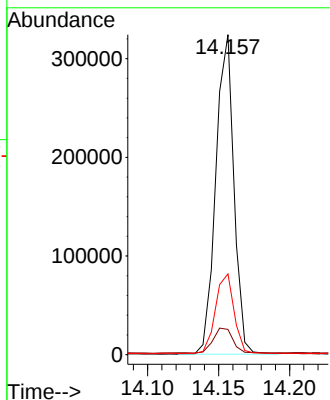
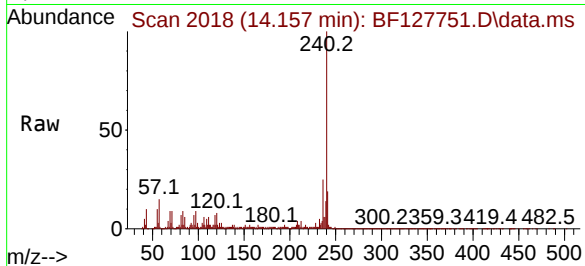




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

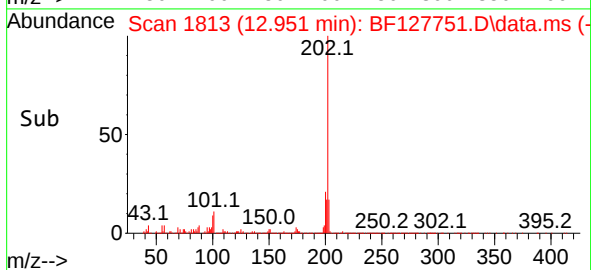
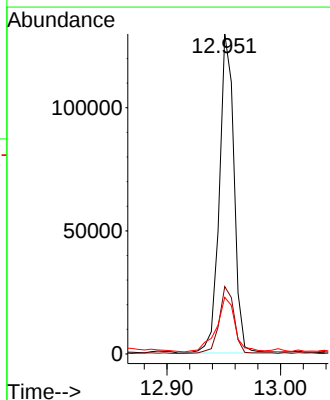
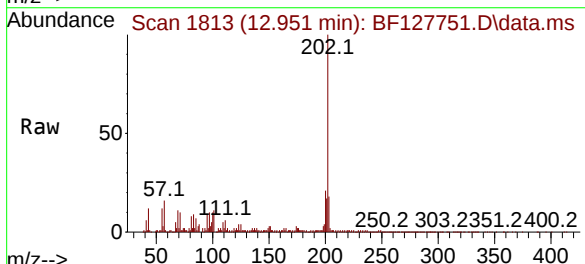
Instrument :
BNA_F
ClientSampleId :
C150-CU

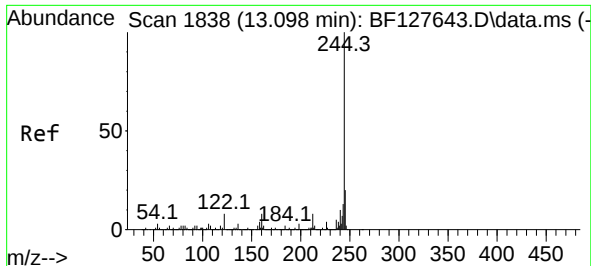
Tgt Ion:240 Resp: 287540
Ion Ratio Lower Upper
240 100
120 7.9 7.1 10.7
236 25.3 20.7 31.1



#78
Pyrene
Concen: 4.822 ng
RT: 12.951 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion:202 Resp: 117080
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.7 14.3 21.5

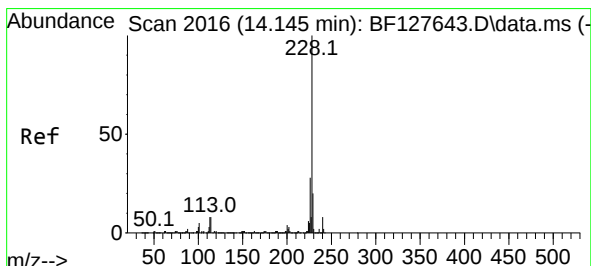
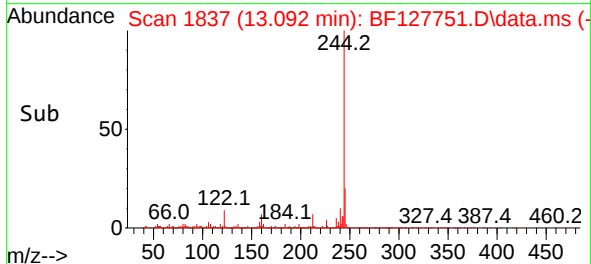
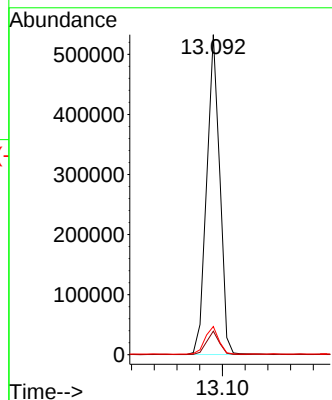
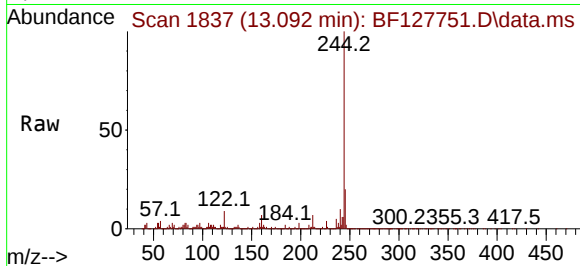




#79
 Terphenyl-d14
 Concen: 24.335 ng
 RT: 13.092 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF127751.D
 Acq: 11 Apr 2022 21:17

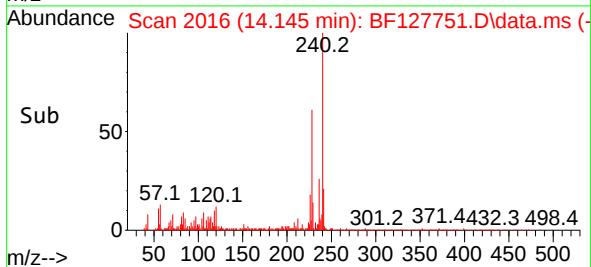
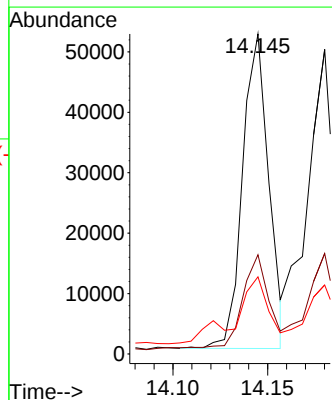
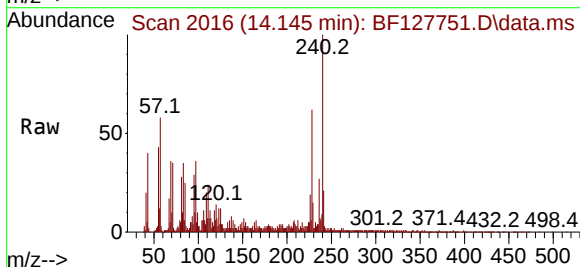
Instrument :
 BNA_F
 ClientSampleId :
 C150-CU

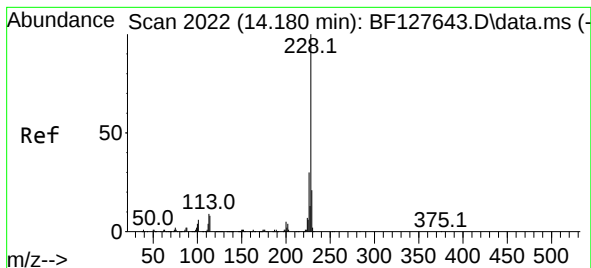
Tgt Ion:244 Resp: 423927
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 8.8 6.2 9.2



#81
 Benzo(a)anthracene
 Concen: 2.606 ng
 RT: 14.145 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: BF127751.D
 Acq: 11 Apr 2022 21:17

Tgt Ion:228 Resp: 50053
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.6 32.4
 229 24.1 15.4 23.2#





#83

Chrysene

Concen: 2.711 ng

RT: 14.180 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF127751.D

Acq: 11 Apr 2022 21:17

Instrument :

BNA_F

ClientSampleId :

C150-CU

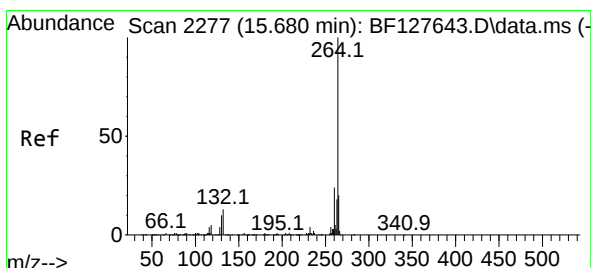
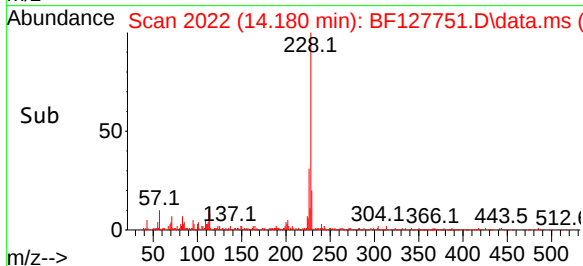
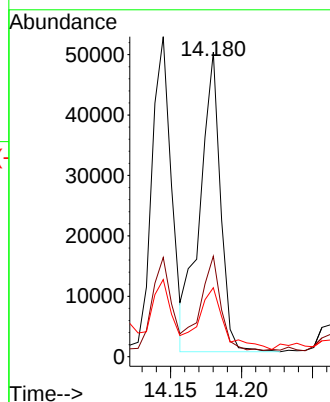
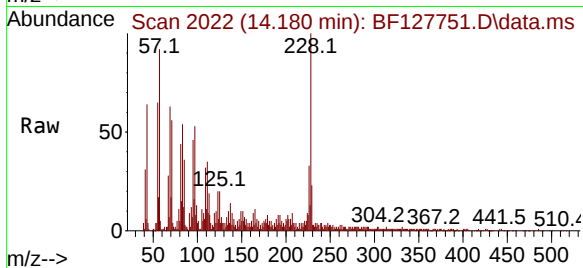
Tgt Ion:228 Resp: 49973

Ion Ratio Lower Upper

228 100

226 33.0 24.2 36.4

229 22.7 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF127751.D

Acq: 11 Apr 2022 21:17

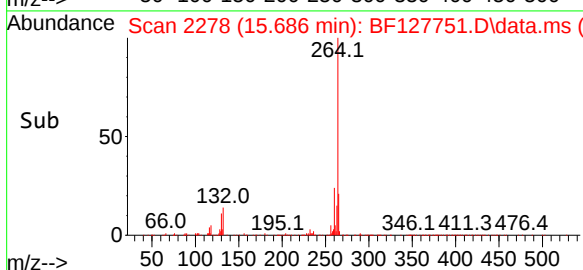
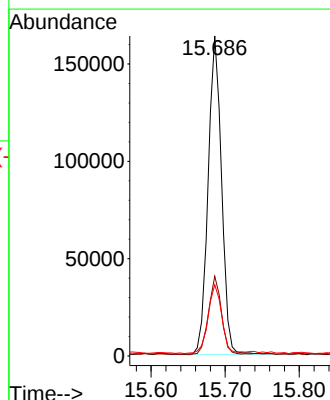
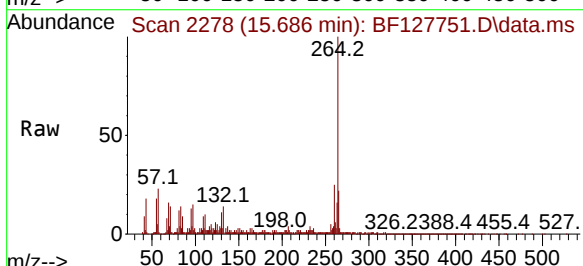
Tgt Ion:264 Resp: 205929

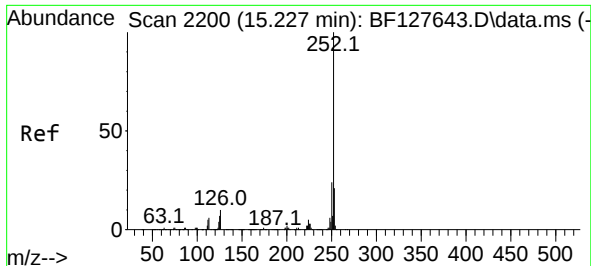
Ion Ratio Lower Upper

264 100

260 24.9 19.1 28.7

265 22.2 17.4 26.2

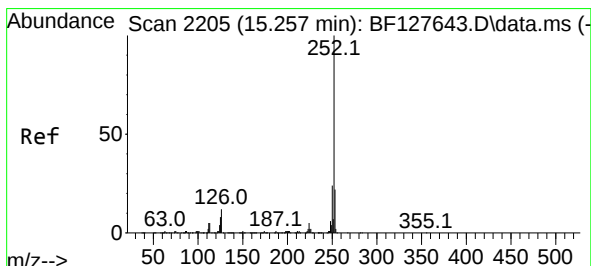
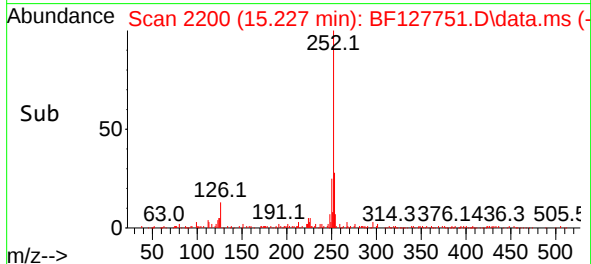
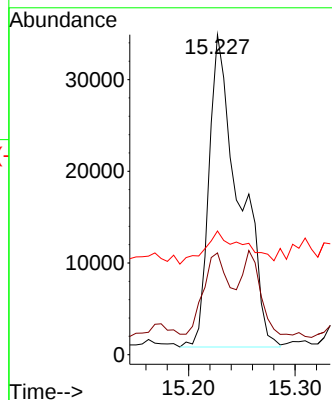
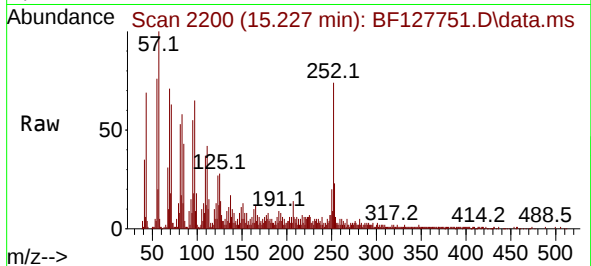




#88
Benzo(b)fluoranthene
Concen: 5.048 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

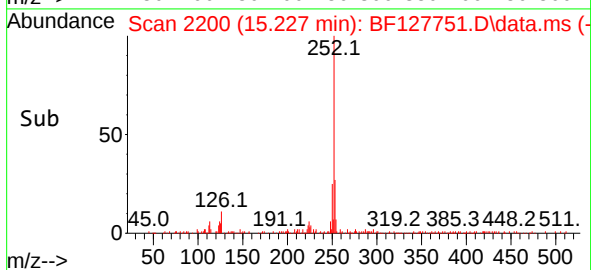
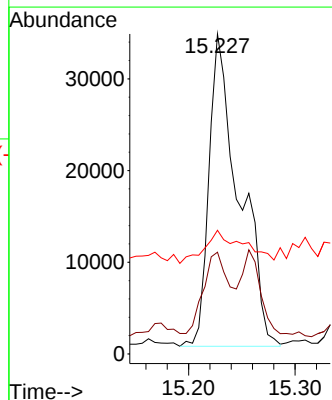
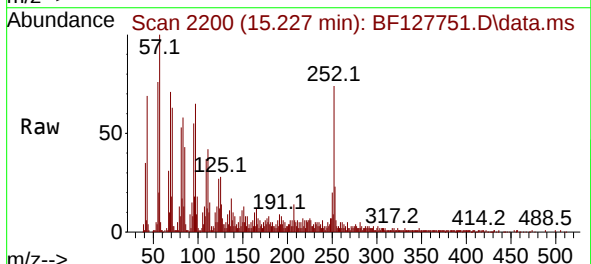
Instrument :
BNA_F
ClientSampleId :
C150-CU

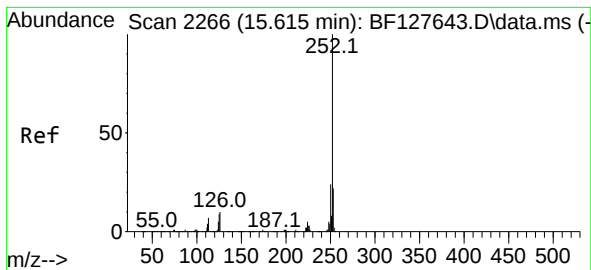
Tgt Ion:252 Resp: 66871
Ion Ratio Lower Upper
252 100
253 31.8 17.9 26.9#
125 38.7 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 5.090 ng
RT: 15.227 min Scan# 2200
Delta R.T. -0.029 min
Lab File: BF127751.D
Acq: 11 Apr 2022 21:17

Tgt Ion:252 Resp: 66871
Ion Ratio Lower Upper
252 100
253 31.8 17.3 25.9#
125 38.7 6.9 10.3#





#90

Benzo(a)pyrene

Concen: 2.699 ng

RT: 15.615 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF127751.D

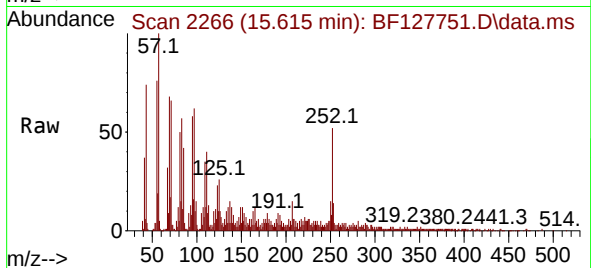
Acq: 11 Apr 2022 21:17

Instrument :

BNA_F

ClientSampleId :

C150-CU



Tgt Ion:252 Resp: 29066

Ion Ratio Lower Upper

252 100

253 26.4 17.0 25.6#

125 50.4 6.7 10.1#

