

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052721\
 Data File : BF124105.D
 Acq On : 27 May 2021 22:09
 Operator : JU/CG
 Sample : M2531-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-052621

Quant Time: May 28 03:07:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 13:12:25 2021
 Response via : Initial Calibration

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

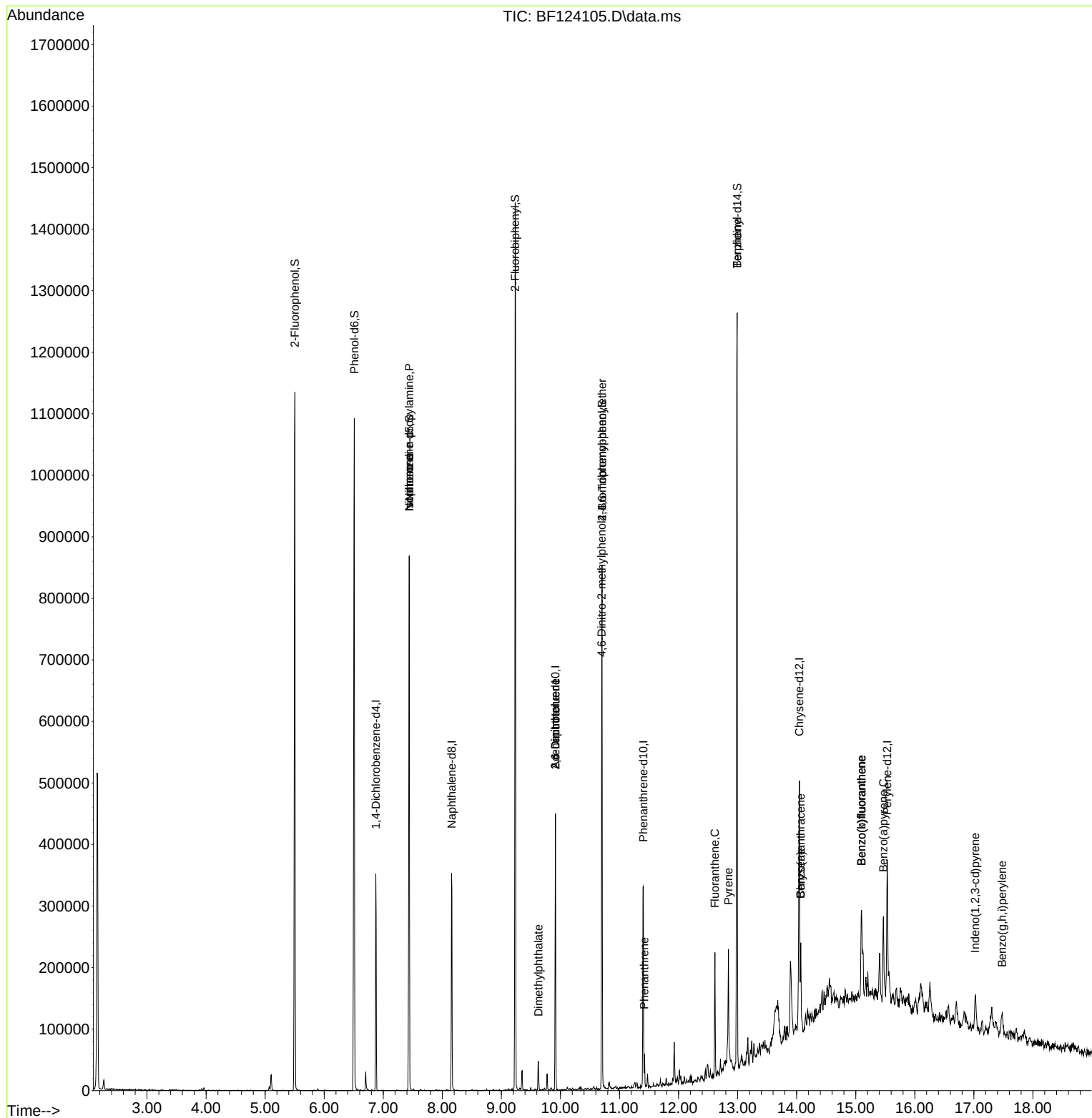
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	40908	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	140503	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	68243	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	114131	20.00	ng	# 0.00
76) Chrysene-d12	14.045	240	107264	20.00	ng	0.00
86) Perylene-d12	15.533	264	93309	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	255031	87.53	ng	0.01
7) Phenol-d6	6.510	99	315862	83.57	ng	0.00
23) Nitrobenzene-d5	7.439	82	240720	73.82	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	81838	99.84	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	404166	72.88	ng	0.00
79) Terphenyl-d14	12.992	244	380008	53.66	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	34718	13.59	ng	# 67
25) Isophorone	7.439	82	240717	38.37	ng	# 69
50) Dimethylphthalate	9.628	163	15783	2.90	ng	# 92
51) 2,6-Dinitrotoluene	9.916	165	8908	8.08	ng	# 10
57) 2,4-Dinitrotoluene	9.916	165	8908	6.59	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.698	198	244	5.73	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5362	3.57	ng	# 1
71) Phenanthrene	11.422	178	15832	2.19	ng	94
75) Fluoranthene	12.616	202	65947	8.80	ng	96
77) Benzidine	12.992	184	6308	2.44	ng	# 87
78) Pyrene	12.845	202	61086	6.41	ng	98
81) Benzo(a)anthracene	14.068	228	47063	6.07	ng	95
83) Chrysene	14.068	228	47063	6.31	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	32651	4.53	ng	# 88
88) Benzo(b)fluoranthene	15.098	252	101124	14.01	ng	# 91
89) Benzo(k)fluoranthene	15.098	252	101124	15.37	ng	# 92
90) Benzo(a)pyrene	15.468	252	55145	8.84	ng	# 97
92) Benzo(g,h,i)perylene	17.480	276	29812	4.90	ng	# 90

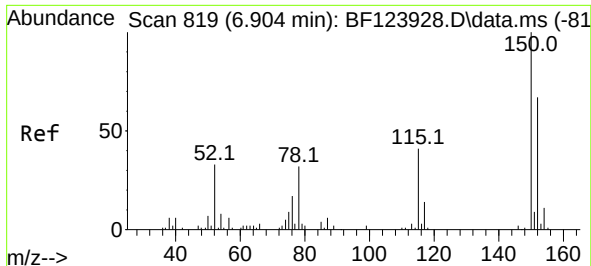
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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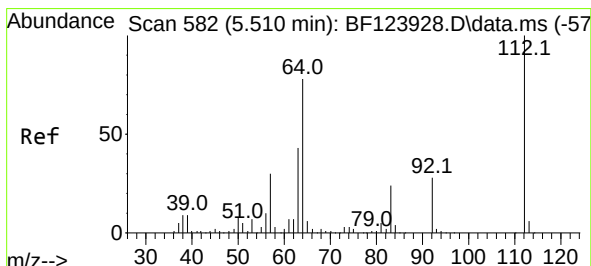
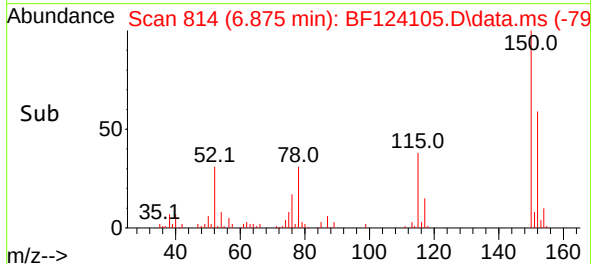
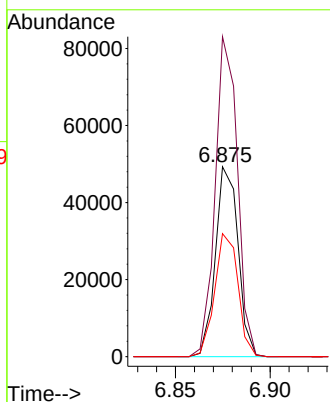
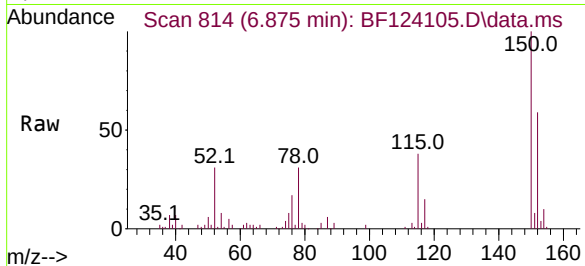




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

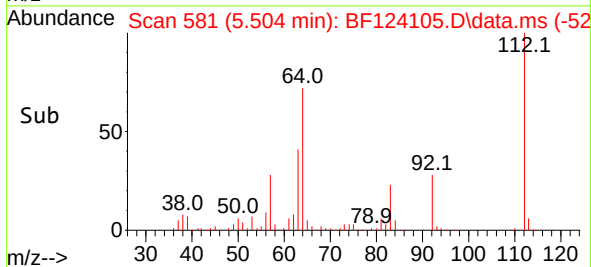
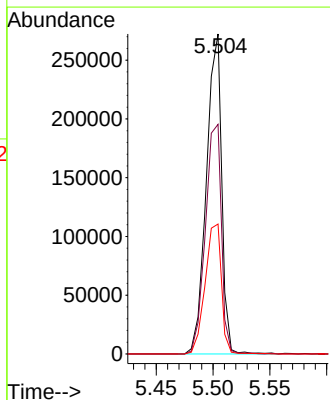
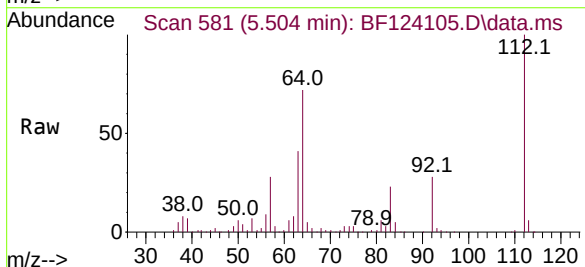
Instrument :
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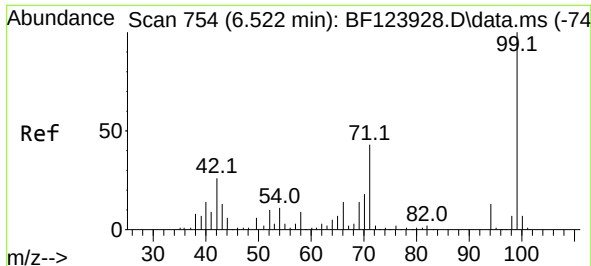
Tgt Ion:152 Resp: 40908
Ion Ratio Lower Upper
152 100
150 168.5 127.0 190.6
115 64.8 54.3 81.5



#5
2-Fluorophenol
Concen: 87.53 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:112 Resp: 255031
Ion Ratio Lower Upper
112 100
64 71.8 61.4 92.0
63 40.6 33.0 49.4

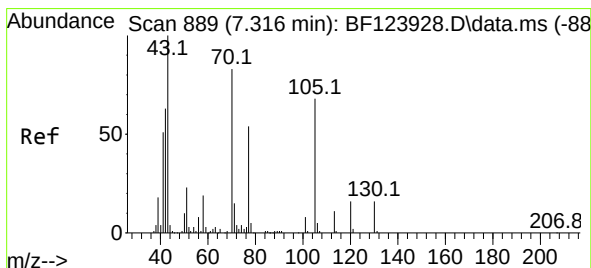
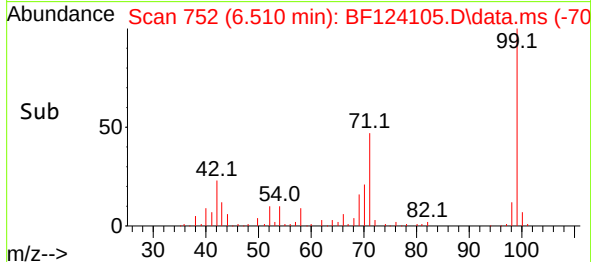
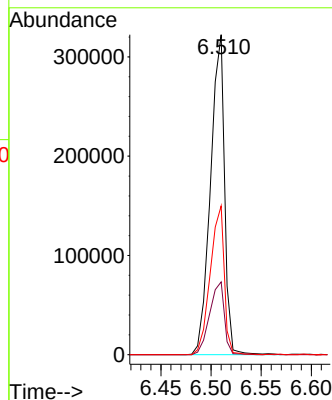
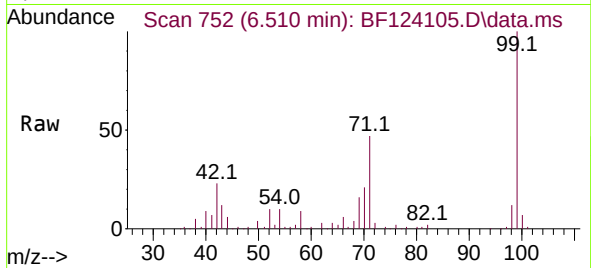




#7
Phenol-d6
Concen: 83.57 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

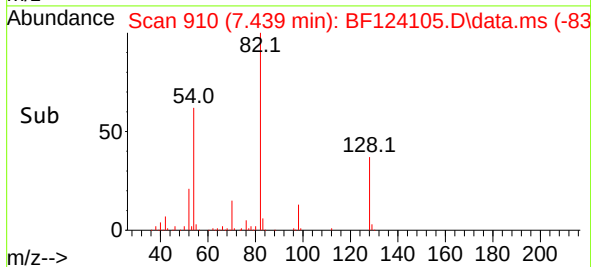
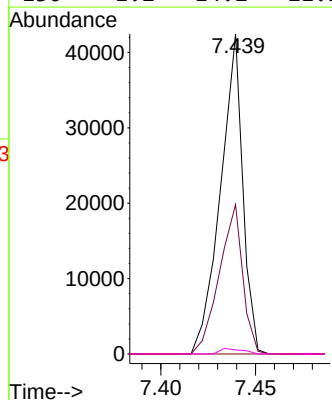
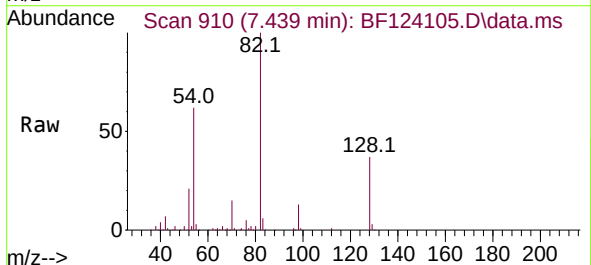
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

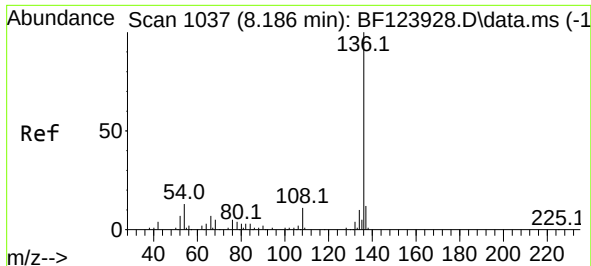
Tgt Ion: 99 Resp: 315862
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.8
71 46.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.59 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

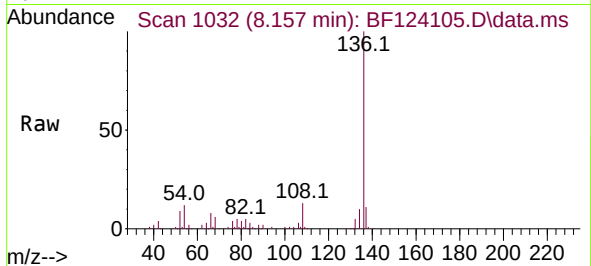
Tgt Ion: 70 Resp: 34718
Ion Ratio Lower Upper
70 100
42 46.7 60.1 90.1#
101 0.0 7.4 11.2#
130 1.2 14.2 21.2#



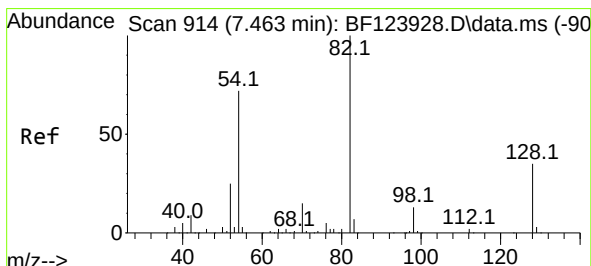
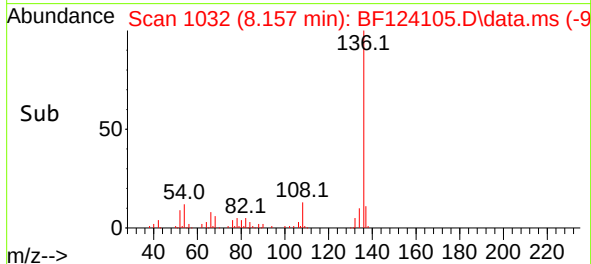
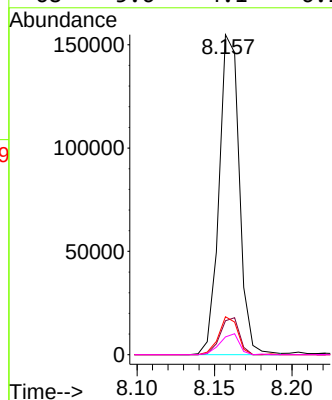


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Instrument :
BNA_F
ClientSampleId :
SU-04-052621

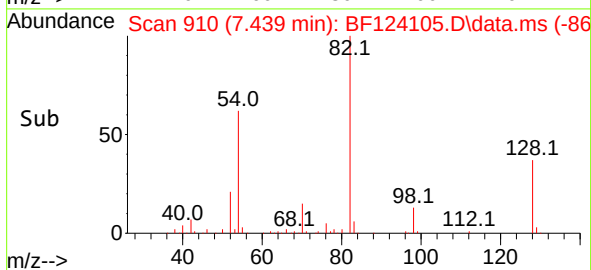
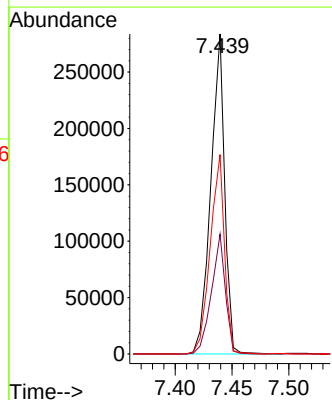
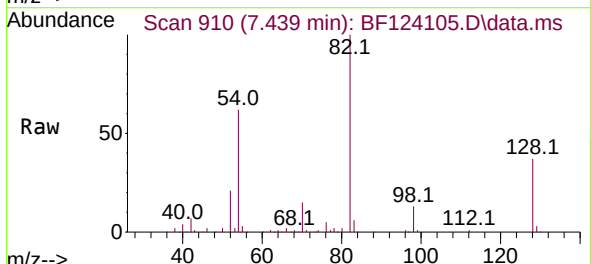


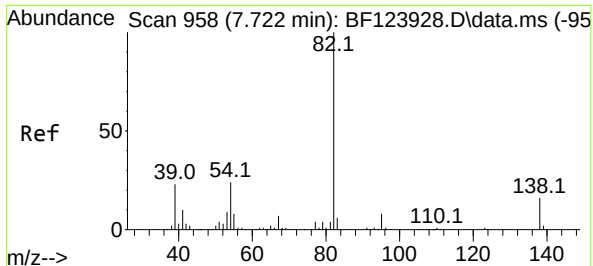
Tgt Ion:136	Resp: 140503
Ion Ratio	Lower Upper
136 100	
137 10.6	8.7 13.1
54 11.8	9.8 14.6
68 5.6	4.1 6.1



#23
Nitrobenzene-d5
Concen: 73.82 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion: 82	Resp: 240720
Ion Ratio	Lower Upper
82 100	
128 37.4	29.4 44.2
54 62.3	54.1 81.1

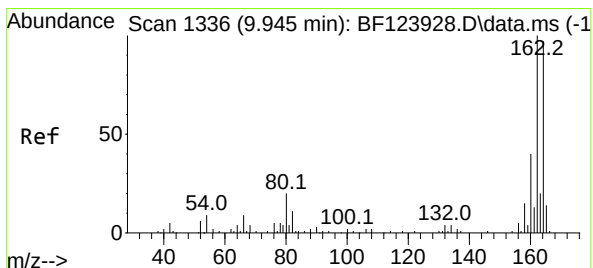
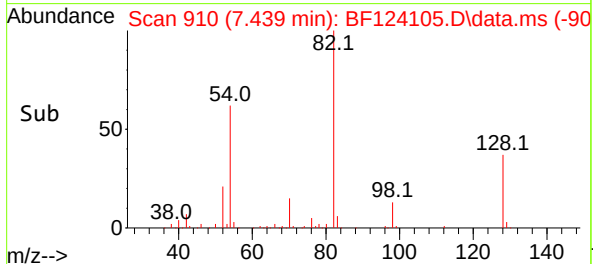
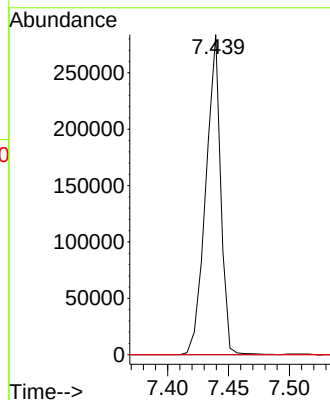
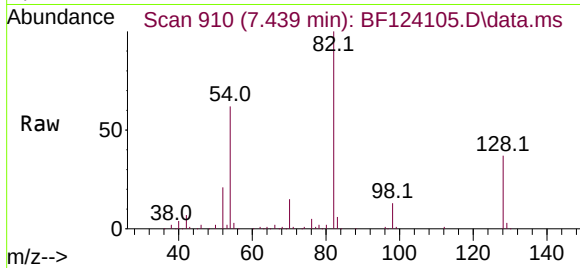




#25
Isophorone
Concen: 38.37 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.259 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

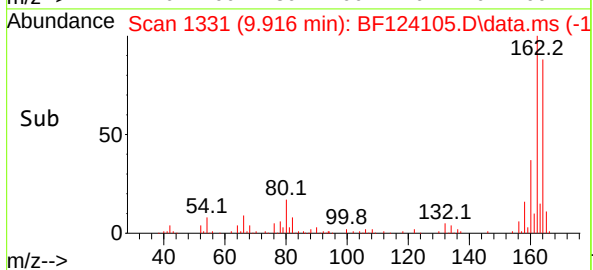
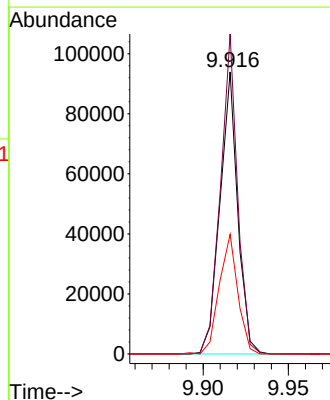
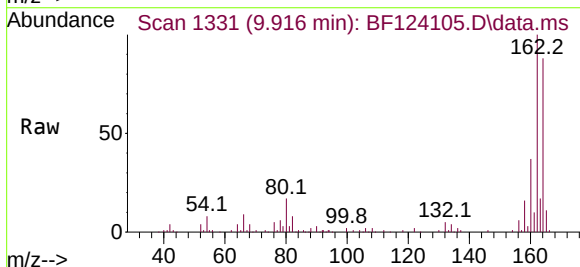
Instrument :
BNA_F
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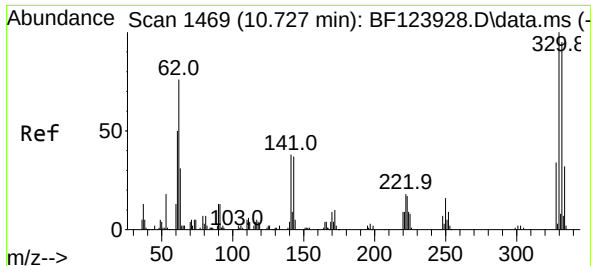
Tgt Ion: 82 Resp: 240717
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion: 164 Resp: 68243
Ion Ratio Lower Upper
164 100
162 113.4 80.7 121.1
160 42.4 37.3 55.9

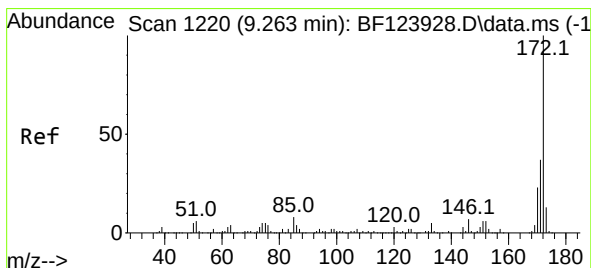
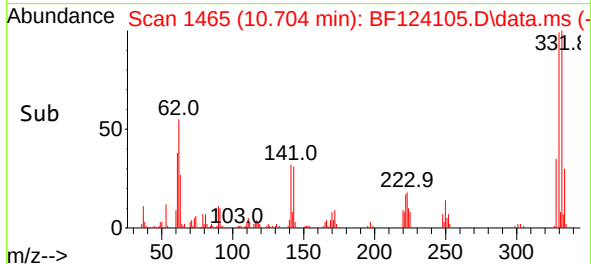
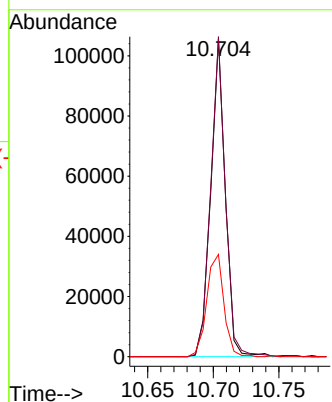
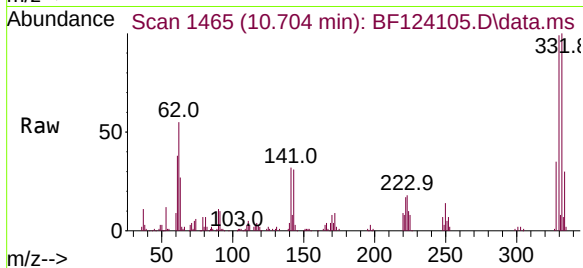




#42
2,4,6-Tribromophenol
Concen: 99.84 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

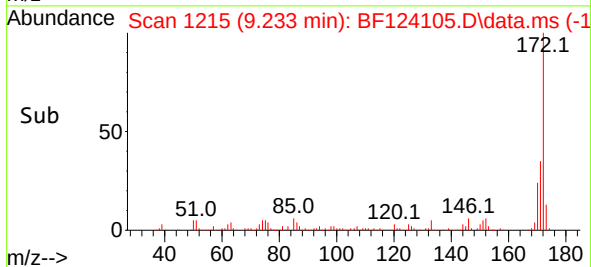
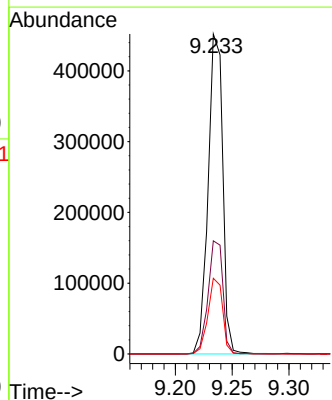
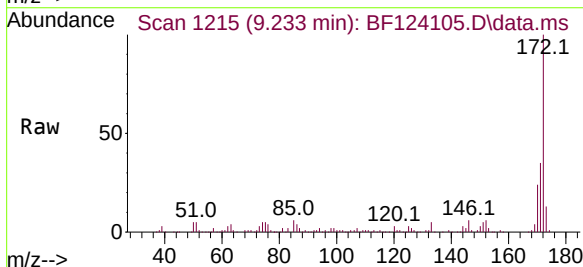
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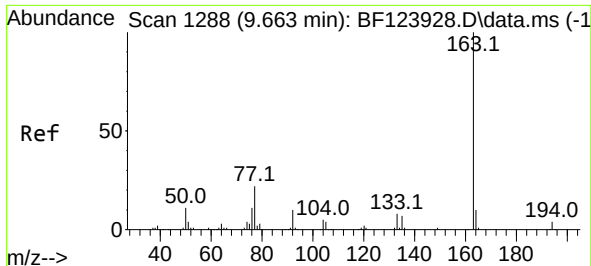
Tgt Ion: 330 Resp: 81838
Ion Ratio Lower Upper
330 100
332 101.6 77.1 115.7
141 38.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 72.88 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion: 172 Resp: 404166
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.7 19.2 28.8

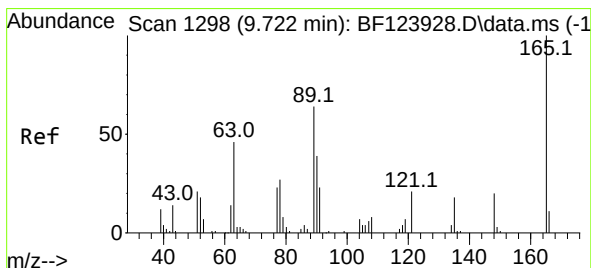
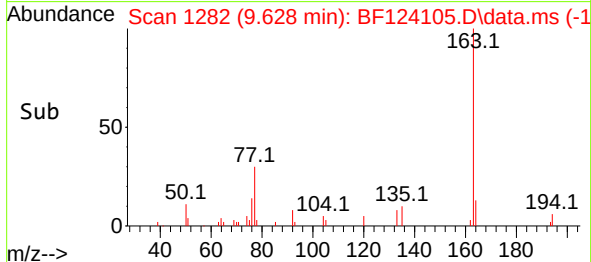
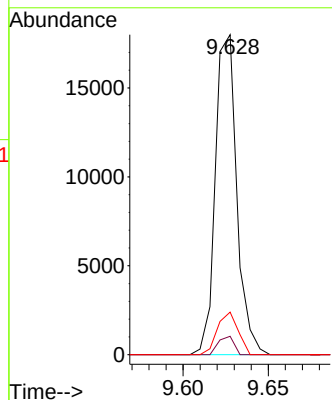
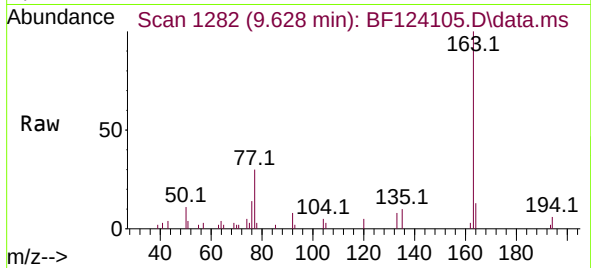




#50
Dimethylphthalate
Concen: 2.90 ng
RT: 9.628 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

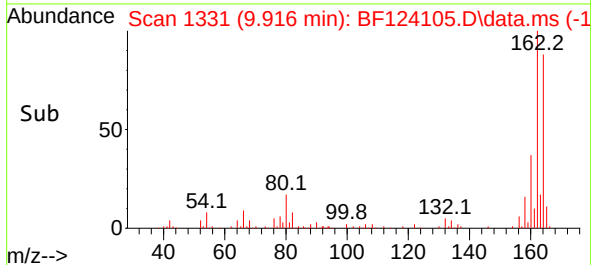
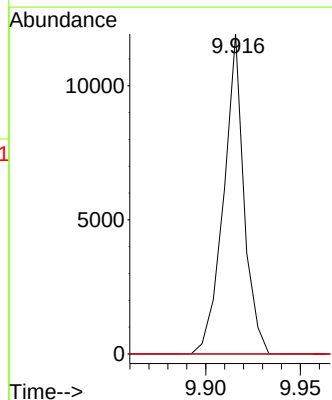
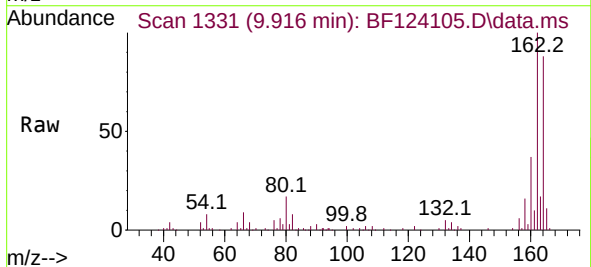
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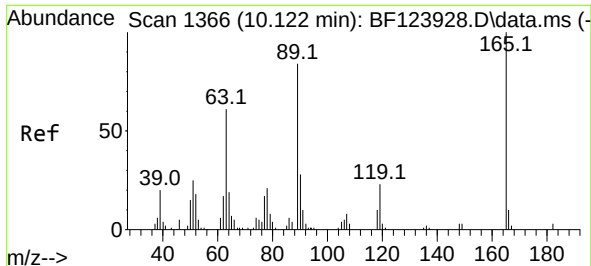
Tgt Ion:163 Resp: 15783
Ion Ratio Lower Upper
163 100
194 5.8 3.1 4.7#
164 13.3 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.08 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

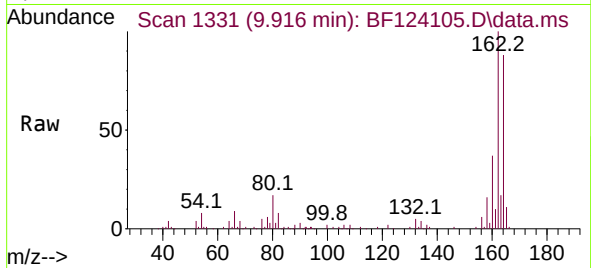
Tgt Ion:165 Resp: 8908
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



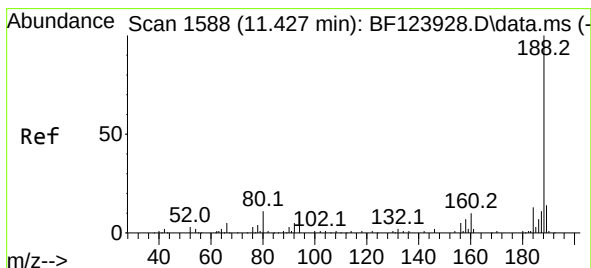
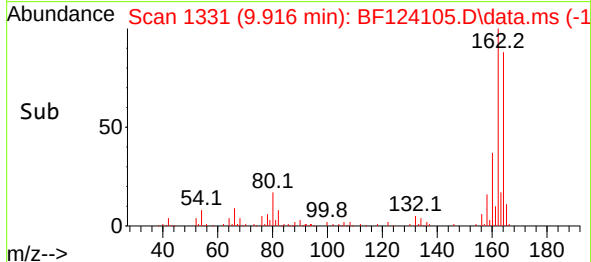
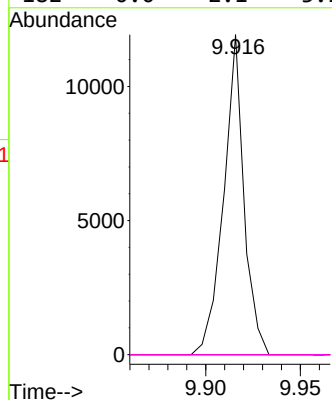


#57
2,4-Dinitrotoluene
Concen: 6.59 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

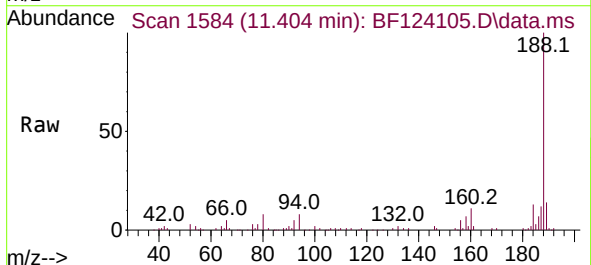
Instrument :
BNA_F
ClientSampleId :
SU-04-052621



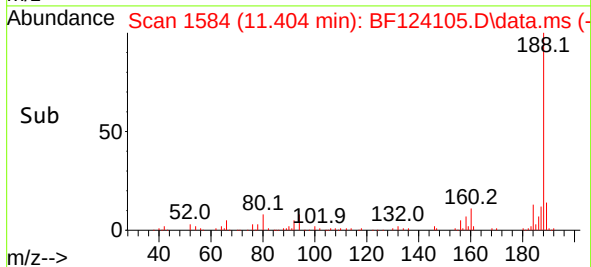
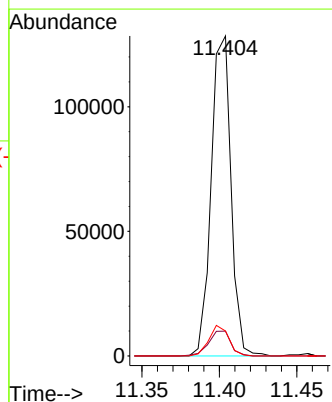
Tgt Ion:165 Resp: 8908
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

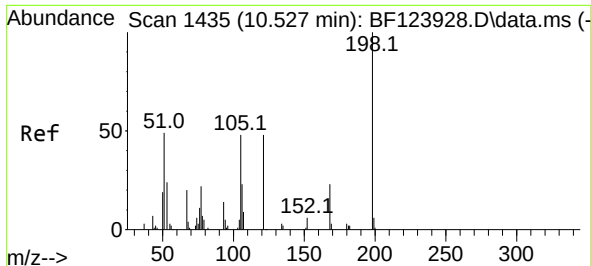


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09



Tgt Ion:188 Resp: 114131
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 7.8 8.2 12.2#

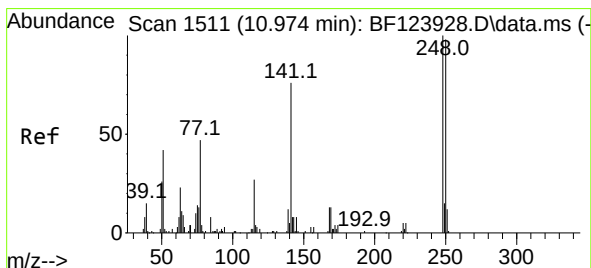
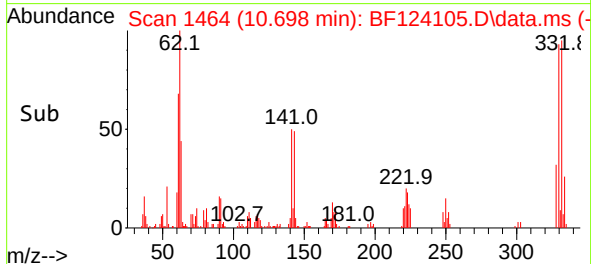
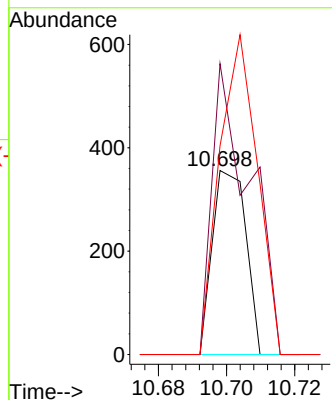
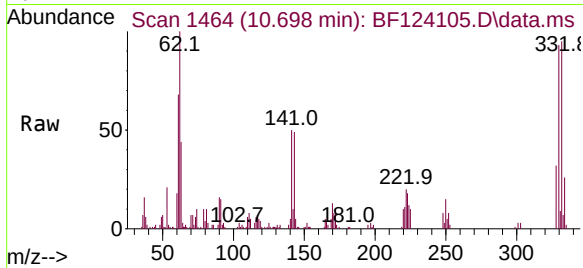




#65
4,6-Dinitro-2-methylphenol
Concen: 5.73 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

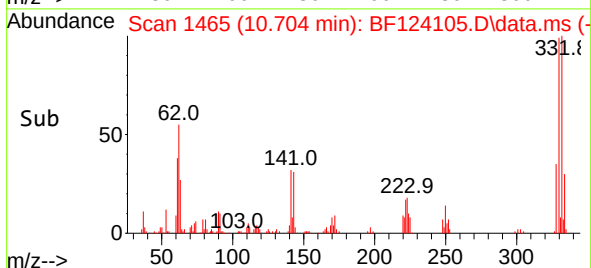
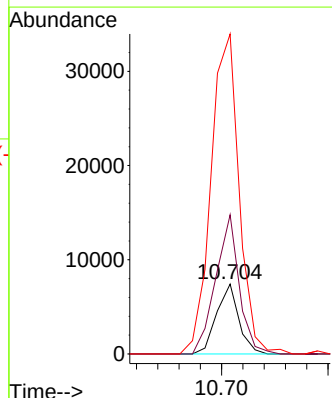
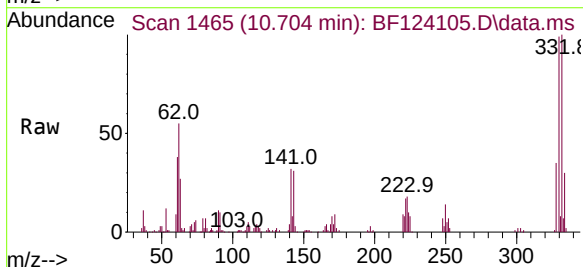
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

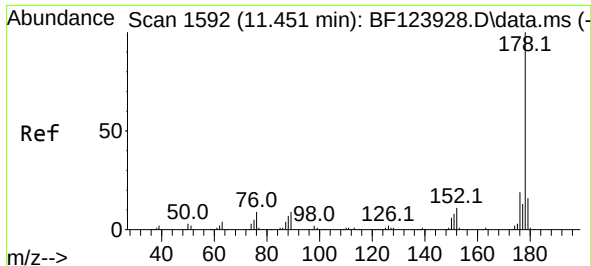
Tgt Ion:198 Resp: 244
Ion Ratio Lower Upper
198 100
51 248.3 64.8 104.8#
105 113.5 42.6 82.6#



#67
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.241 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:248 Resp: 5362
Ion Ratio Lower Upper
248 100
250 199.2 77.4 116.2#
141 457.7 63.7 95.5#

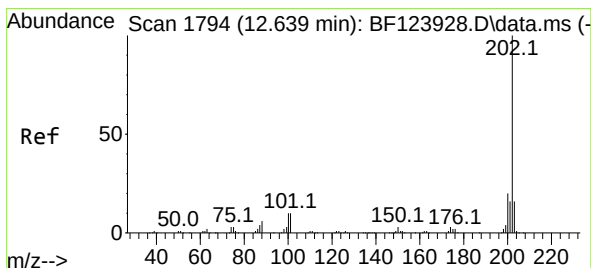
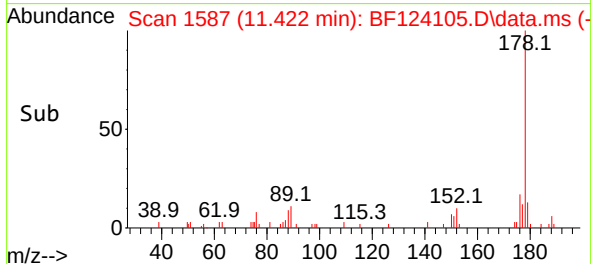
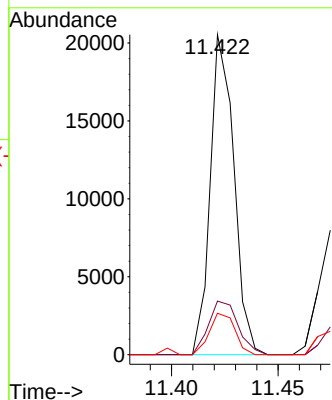
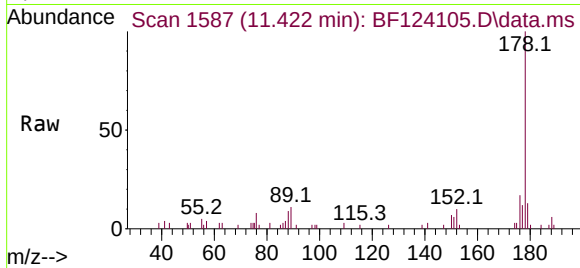




#71
Phenanthrene
Concen: 2.19 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

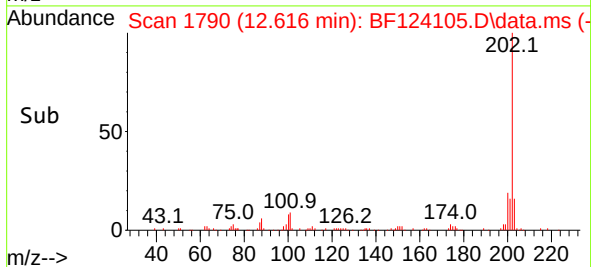
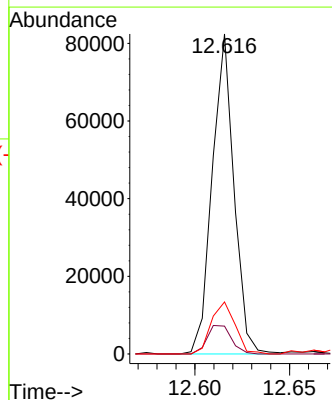
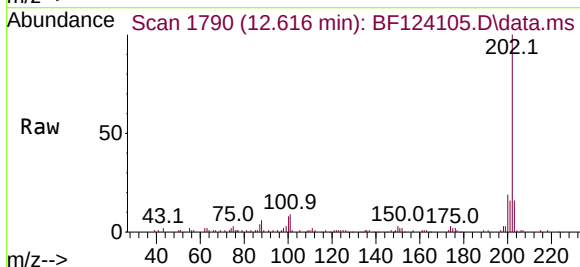
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

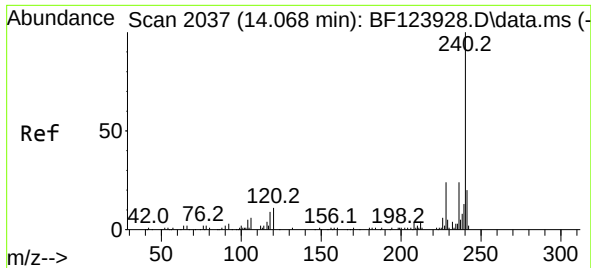
Tgt Ion:178 Resp: 15832
Ion Ratio Lower Upper
178 100
176 16.7 15.6 23.4
179 13.0 12.5 18.7



#75
Fluoranthene
Concen: 8.80 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:202 Resp: 65947
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.9
203 16.3 0.0 37.5

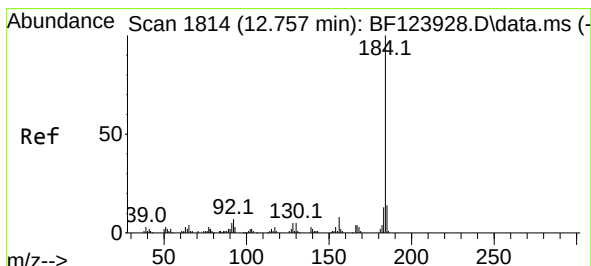
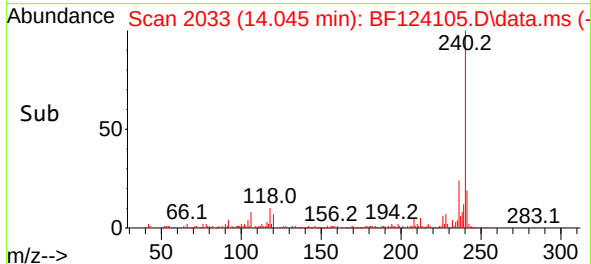
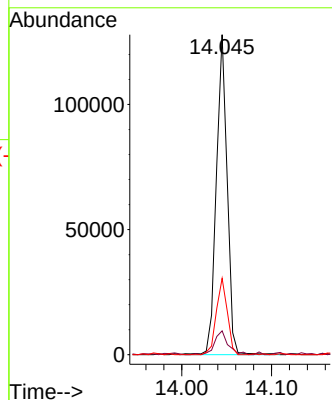
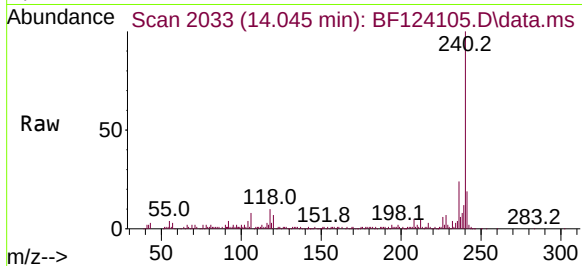




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

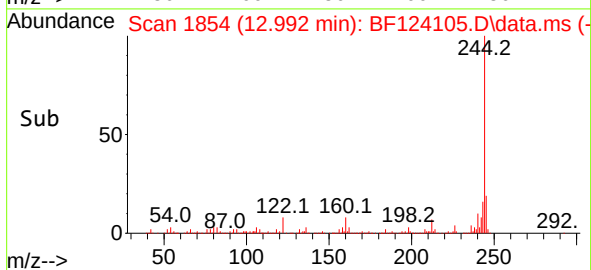
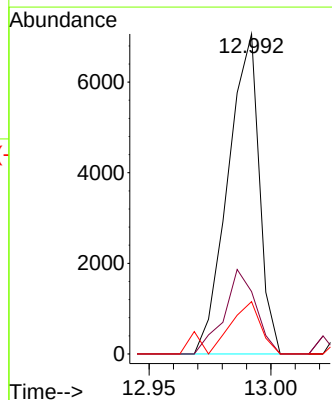
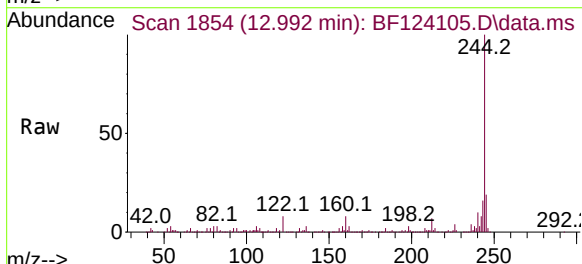
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

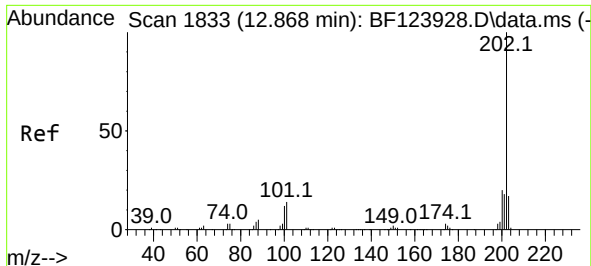
Tgt Ion:240 Resp: 107264
Ion Ratio Lower Upper
240 100
120 7.4 7.2 10.8
236 23.9 19.0 28.4



#77
Benzidine
Concen: 2.44 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.259 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:184 Resp: 6308
Ion Ratio Lower Upper
184 100
185 19.5 12.1 18.1#
183 16.4 7.8 11.8#

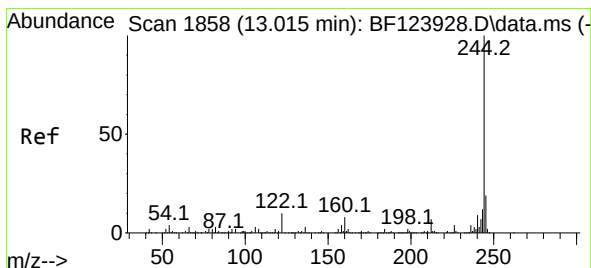
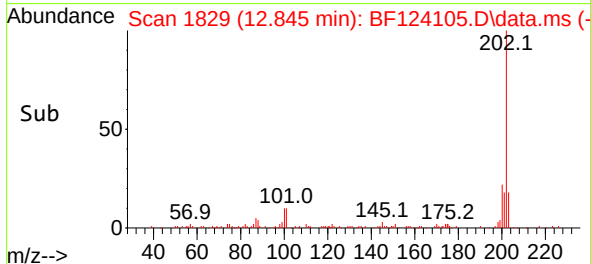
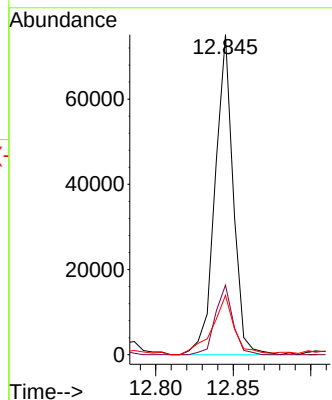
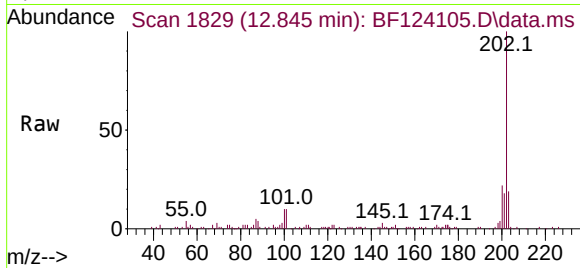




#78
Pyrene
Concen: 6.41 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

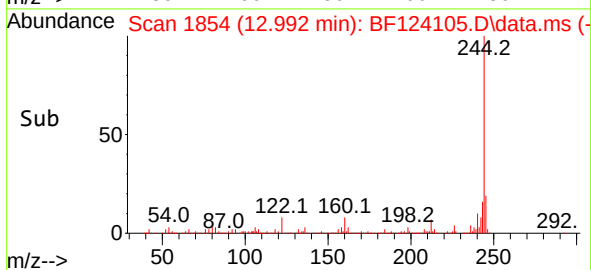
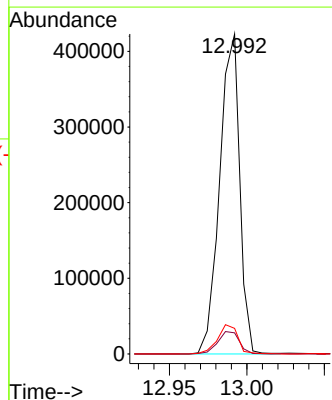
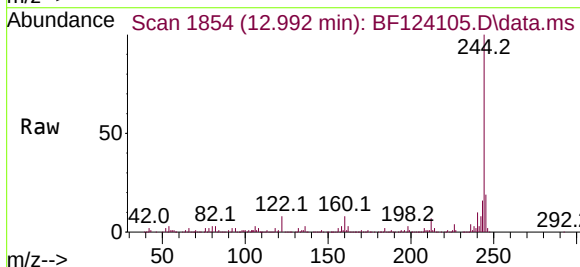
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

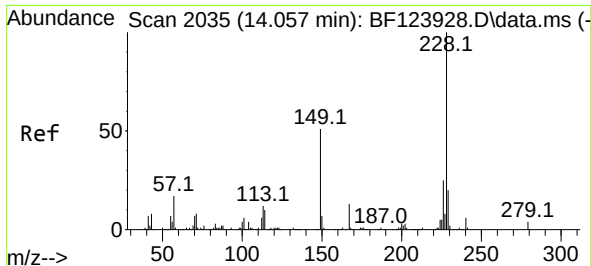
Tgt Ion:202	Resp:	61086
Ion Ratio	Lower	Upper
202	100	
200	21.8	16.1 24.1
203	18.5	14.8 22.2



#79
Terphenyl-d14
Concen: 53.66 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:244	Resp:	380008
Ion Ratio	Lower	Upper
244	100	
212	6.6	5.7 8.5
122	8.0	9.7 14.5

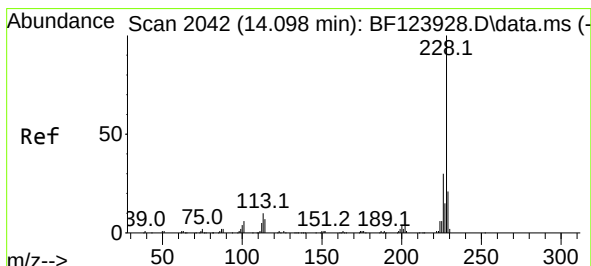
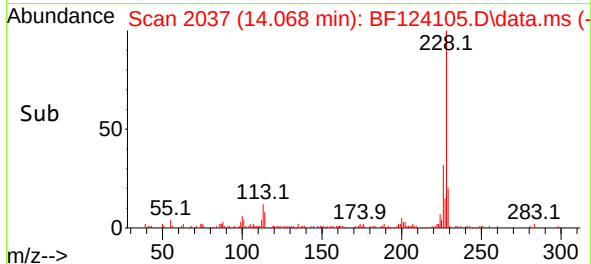
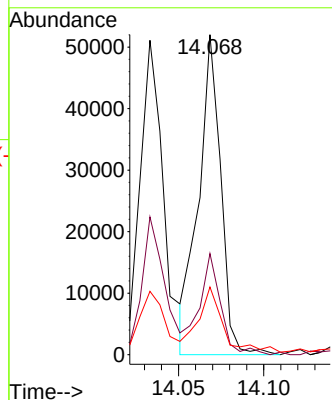
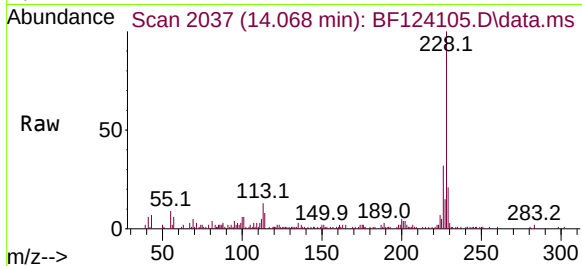




#81
Benzo(a)anthracene
Concen: 6.07 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.029 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

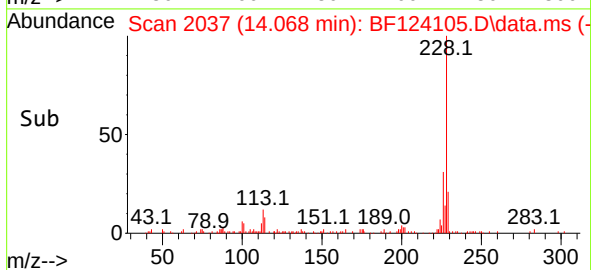
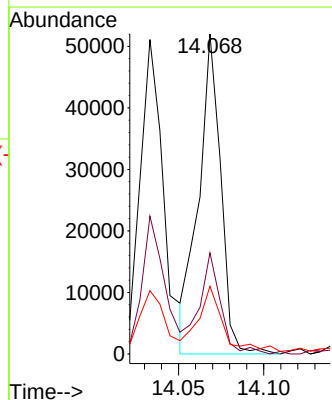
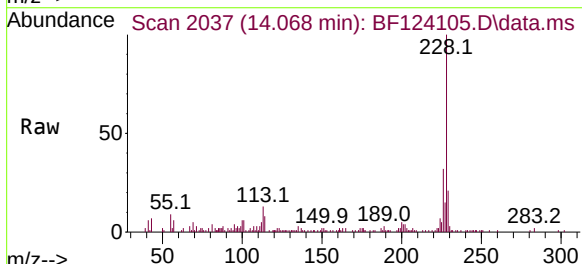
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

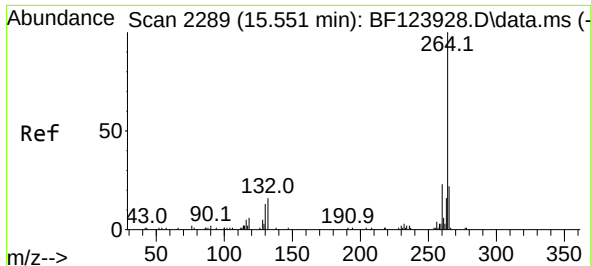
Tgt Ion:228 Resp: 47063
Ion Ratio Lower Upper
228 100
226 31.6 22.4 33.6
229 21.2 16.0 24.0



#83
Chrysene
Concen: 6.31 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:228 Resp: 47063
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 21.2 16.2 24.2

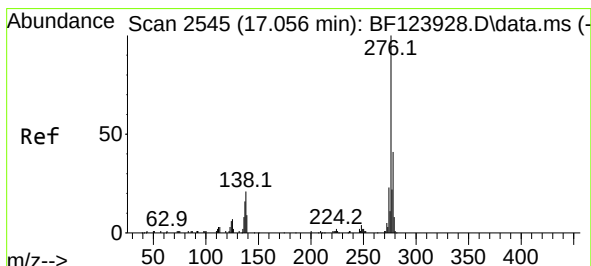
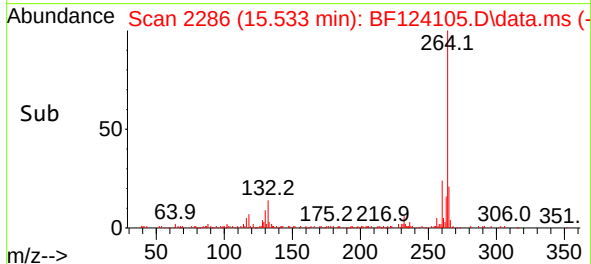
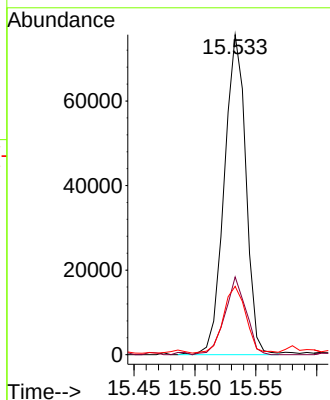
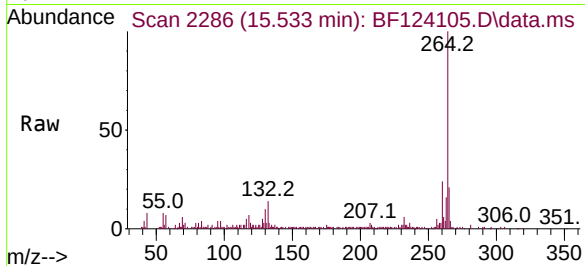




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

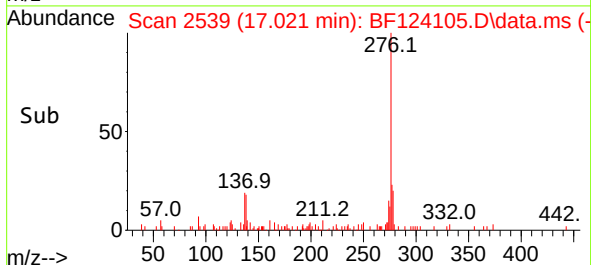
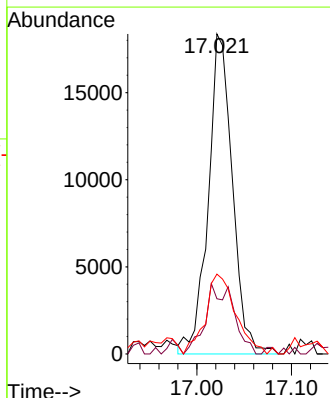
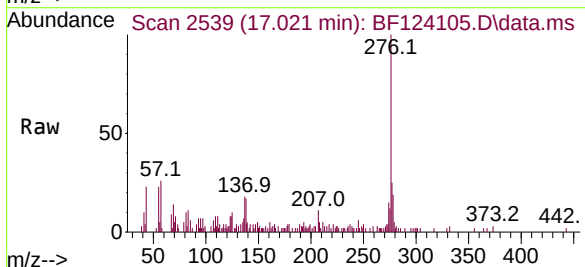
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

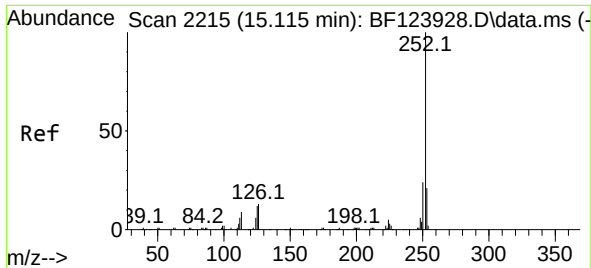
Tgt Ion:	264	Resp:	93309
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.7	28.1
265	21.4	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.53 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.012 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:	276	Resp:	32651
Ion Ratio	Lower	Upper	
276	100		
138	25.5	16.2	24.2#
277	31.2	20.1	30.1#

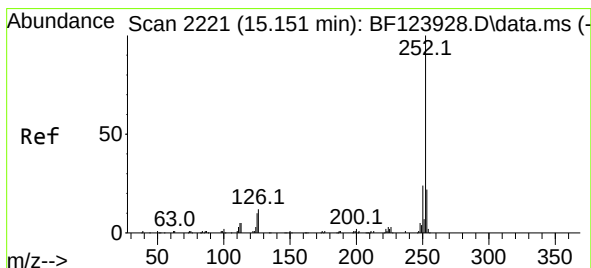
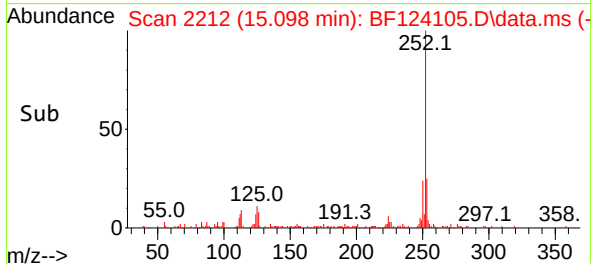
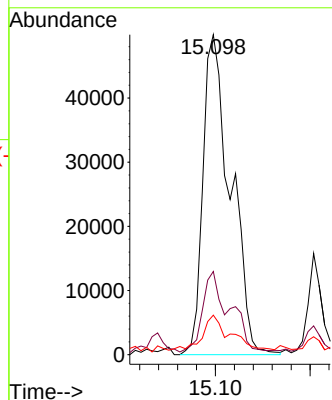
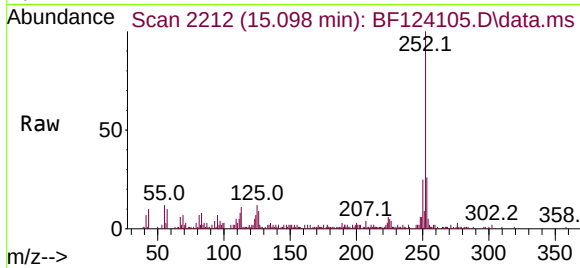




#88
Benzo(b)fluoranthene
Concen: 14.01 ng
RT: 15.098 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

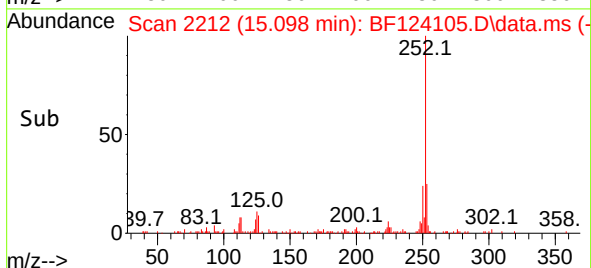
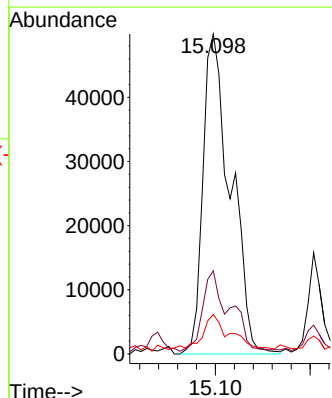
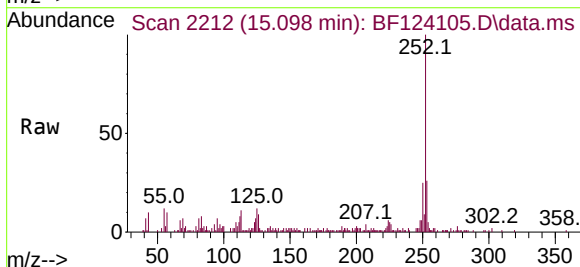
Instrument :
BNA_F
ClientSampleId :
SU-04-052621

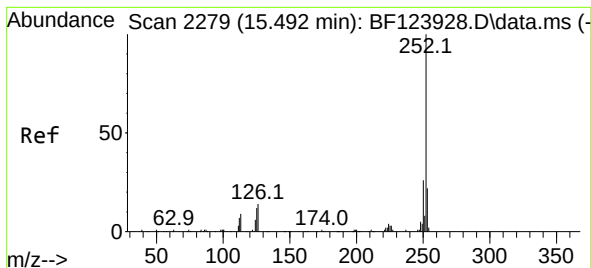
Tgt Ion:252 Resp: 101124
Ion Ratio Lower Upper
252 100
253 26.0 18.1 27.1
125 12.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 15.37 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.029 min
Lab File: BF124105.D
Acq: 27 May 2021 22:09

Tgt Ion:252 Resp: 101124
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 12.4 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 8.84 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF124105.D

Acq: 27 May 2021 22:09

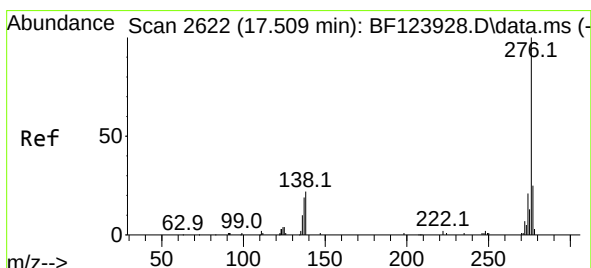
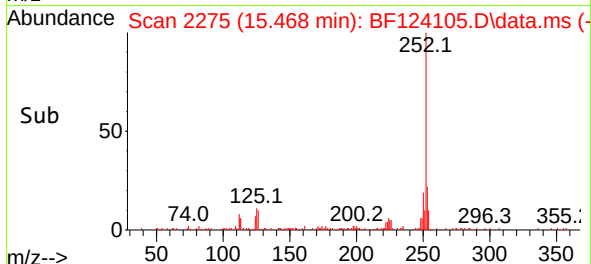
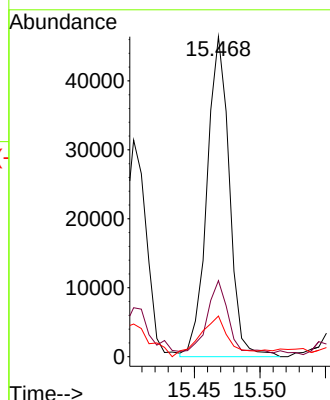
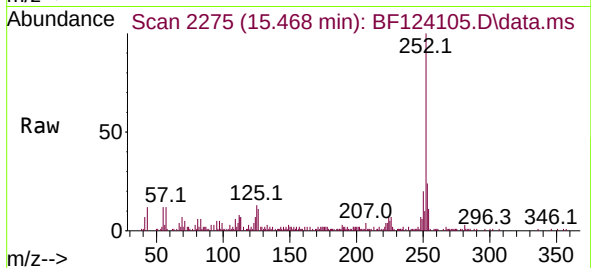
Tgt Ion:	252	Resp:	55145
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	12.7	8.0	12.0#

Instrument :

BNA_F

ClientSampleId :

SU-04-052621



#92

Benzo(g,h,i)perylene

Concen: 4.90 ng

RT: 17.480 min Scan# 2617

Delta R.T. -0.006 min

Lab File: BF124105.D

Acq: 27 May 2021 22:09

Tgt Ion:	276	Resp:	29812
Ion Ratio	Lower	Upper	
276	100		
277	21.8	18.2	27.2
138	26.5	13.8	20.6#

