

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124242.D
 Acq On : 10 Jun 2021 20:22
 Operator : JU/CG
 Sample : M2643-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11934

Quant Time: Jun 11 01:25:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

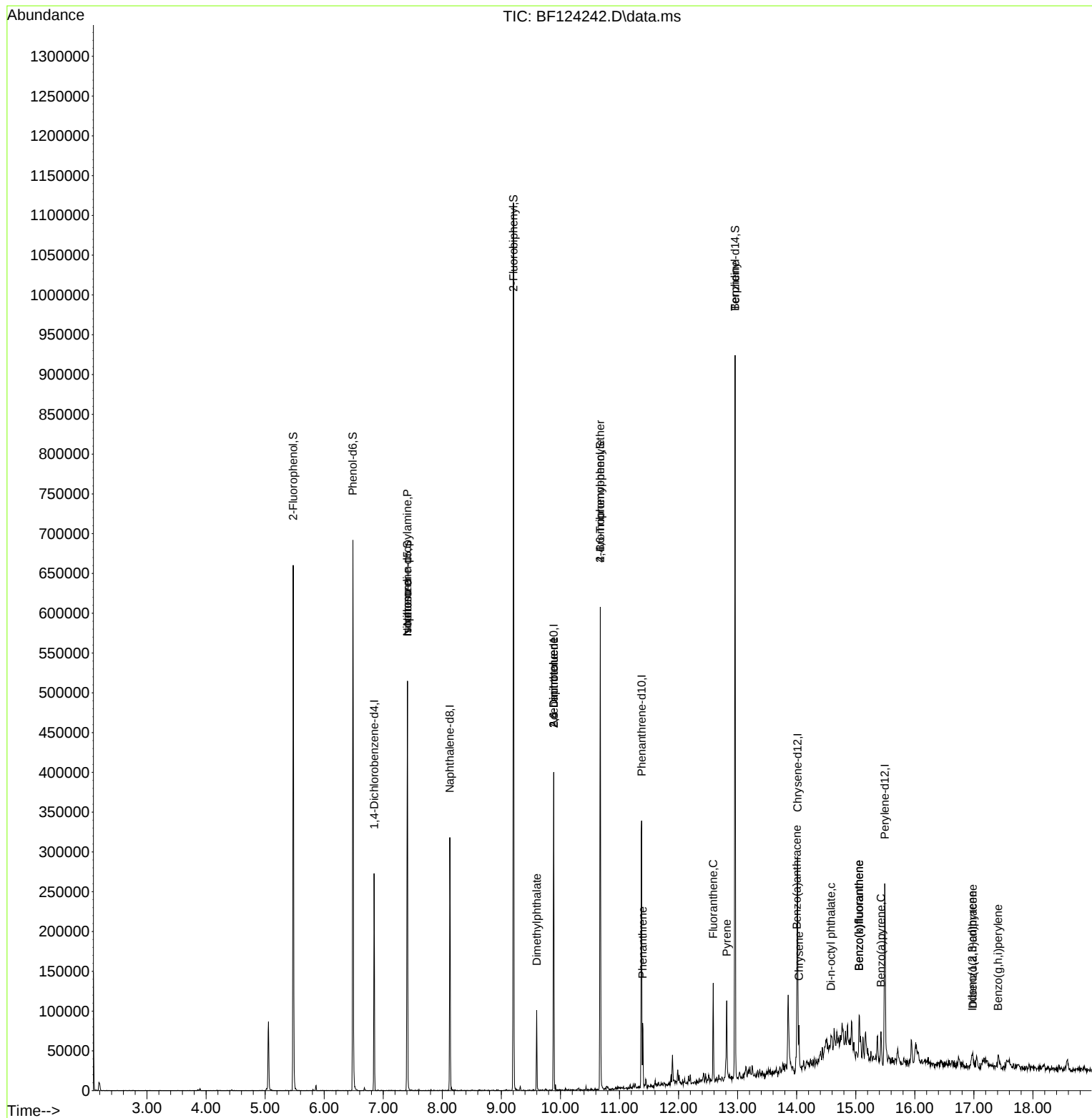
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	31633	20.00	ng	0.00
21) Naphthalene-d8	8.128	136	116205	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	68501	20.00	ng	0.00
64) Phenanthrene-d10	11.375	188	115970	20.00	ng	# 0.00
76) Chrysene-d12	14.016	240	79977	20.00	ng	0.00
86) Perylene-d12	15.492	264	86604	20.00	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	138480	65.90	ng	0.00
7) Phenol-d6	6.487	99	177262	62.76	ng	-0.01
23) Nitrobenzene-d5	7.410	82	142272	48.56	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	59508	61.32	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	275067	50.53	ng	0.00
79) Terphenyl-d14	12.957	244	245799	42.20	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	19776	9.92	ng	# 66
25) Isophorone	7.410	82	142270	26.95	ng	# 69
50) Dimethylphthalate	9.598	163	31230	5.51	ng	100
51) 2,6-Dinitrotoluene	9.886	165	8603	6.62	ng	# 10
57) 2,4-Dinitrotoluene	9.886	165	8603	5.02	ng	# 15
67) 4-Bromophenyl-phenylether	10.675	248	3968	2.49	ng	# 1
71) Phenanthrene	11.392	178	28067	3.87	ng	# 90
75) Fluoranthene	12.586	202	41307	5.43	ng	97
77) Benzidine	12.957	184	4763	6.40	ng	99
78) Pyrene	12.816	202	35859	4.67	ng	98
81) Benzo(a)anthracene	14.004	228	15432	2.65	ng	97
83) Chrysene	14.039	228	16046	2.85	ng	95
85) Di-n-octyl phthalate	14.580	149	13251	2.68	ng	# 66
87) Indeno(1,2,3-cd)pyrene	16.974	276	9995	5.60	ng	95
88) Benzo(b)fluoranthene	15.057	252	32232	4.79	ng	# 86
89) Benzo(k)fluoranthene	15.057	252	32232	5.06	ng	# 86
90) Benzo(a)pyrene	15.427	252	15595	2.67	ng	# 98
91) Dibenzo(a,h)anthracene	16.980	278	2928	4.61	ng	# 55
92) Benzo(g,h,i)perylene	17.409	276	9499	5.25	ng	# 72

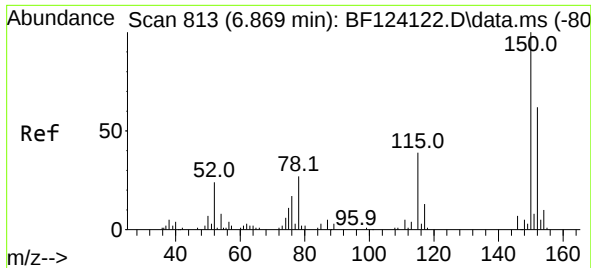
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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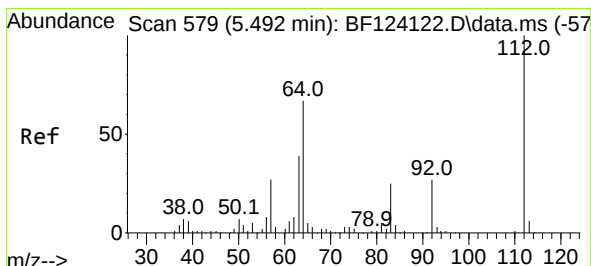
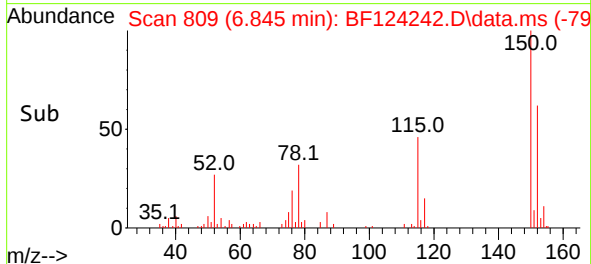
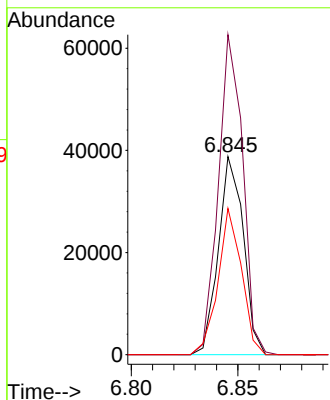
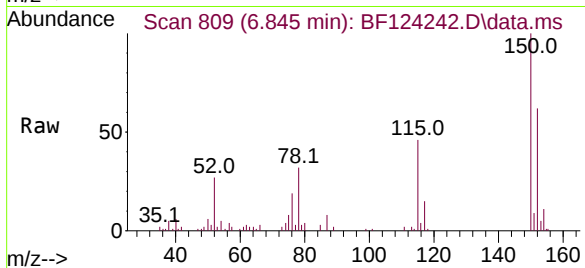




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

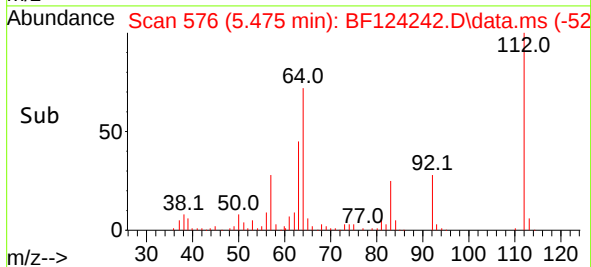
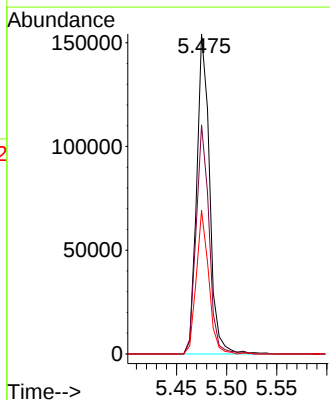
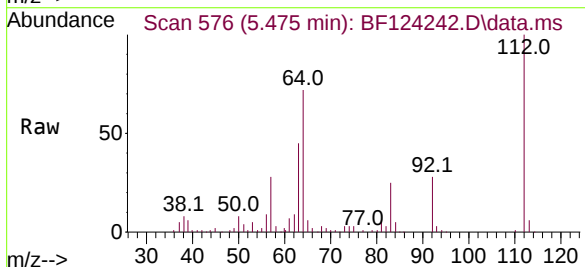
Instrument :
BNA_F
ClientSampleId :
11934

Tgt Ion:152 Resp: 31633
Ion Ratio Lower Upper
152 100
150 161.6 127.0 190.6
115 73.9 54.3 81.5



#5
2-Fluorophenol
Concen: 65.90 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:112 Resp: 138480
Ion Ratio Lower Upper
112 100
64 71.6 61.4 92.0
63 44.9 33.0 49.4

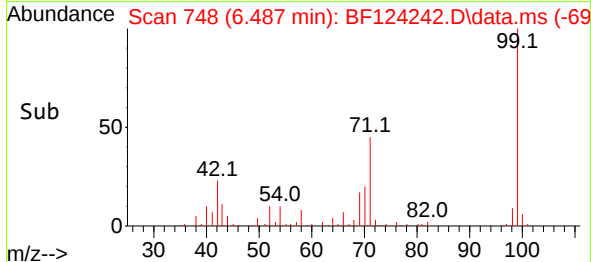
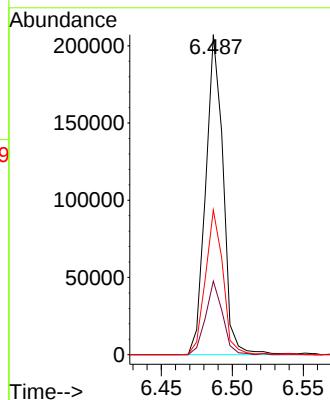
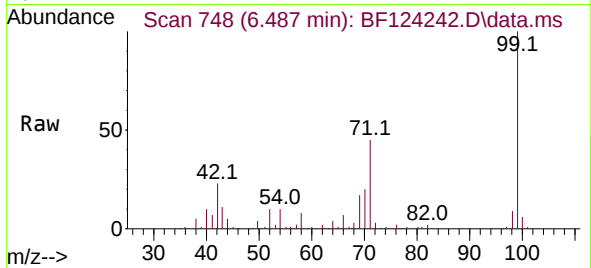




#7
Phenol-d6
Concen: 62.76 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

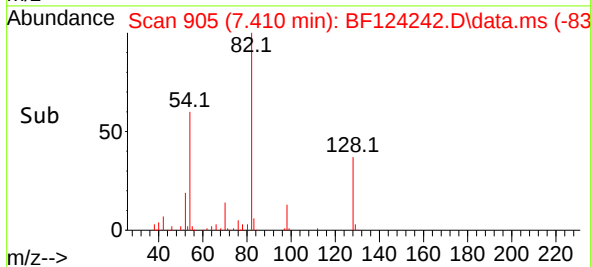
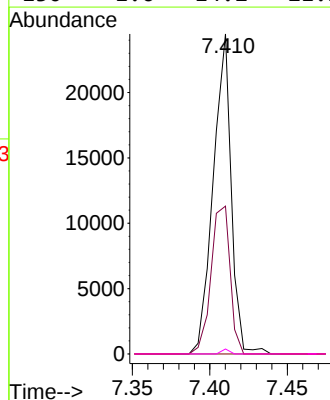
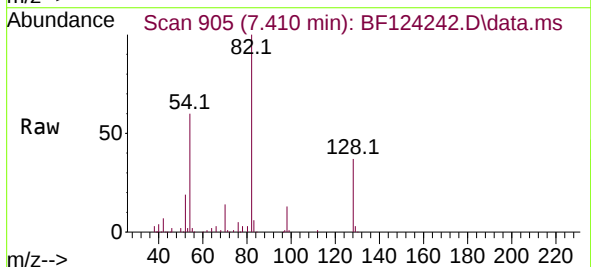
Instrument :
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ClientSampleId :
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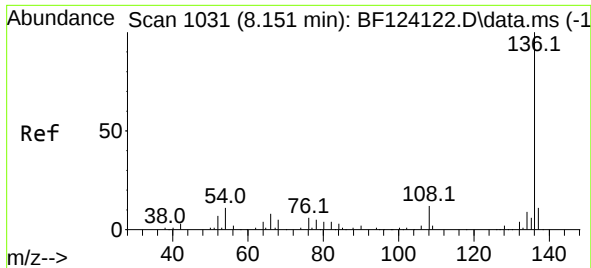
Tgt Ion: 99 Resp: 177262
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.8
71 45.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 9.92 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion: 70 Resp: 19776
Ion Ratio Lower Upper
70 100
42 46.2 60.1 90.1#
101 0.0 7.4 11.2#
130 1.6 14.2 21.2#

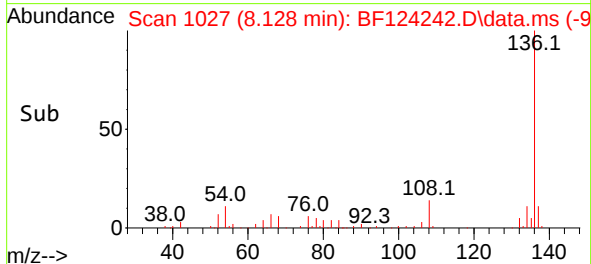
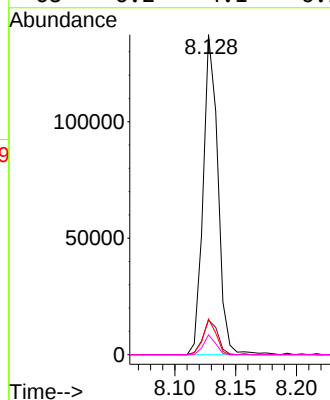
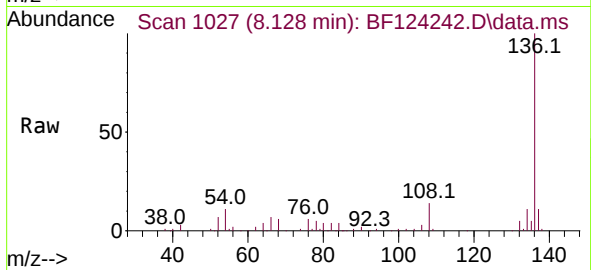




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

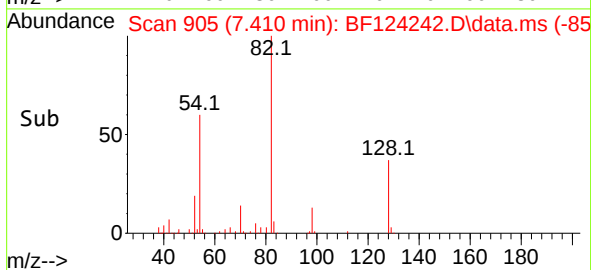
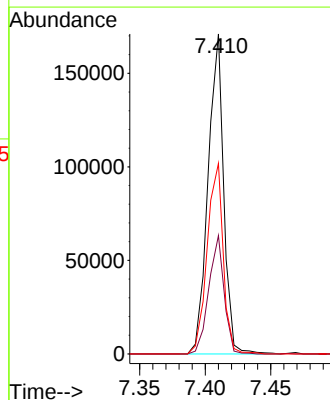
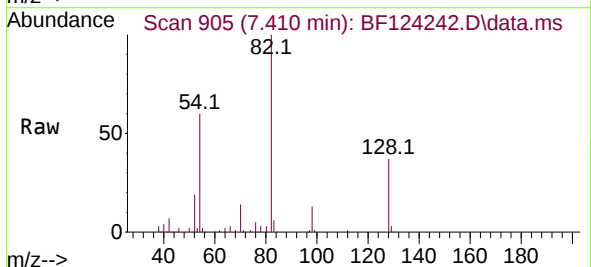
Instrument :
BNA_F
ClientSampleId :
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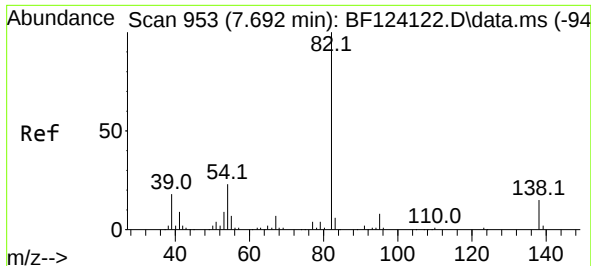
Tgt Ion:136	Resp:	116205
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.7 13.1
54	11.2	9.8 14.6
68	6.2	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 48.56 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion: 82	Resp:	142272
Ion Ratio	Lower	Upper
82	100	
128	37.0	29.4 44.2
54	59.5	54.1 81.1

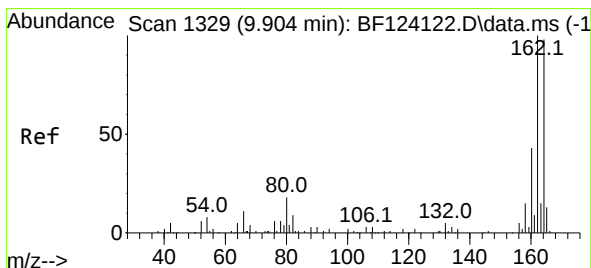
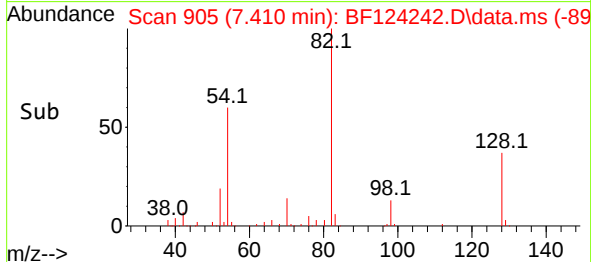
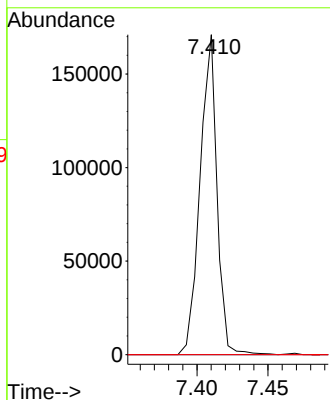
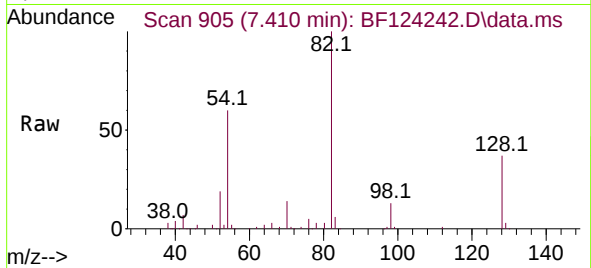




#25
Isophorone
Concen: 26.95 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.264 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

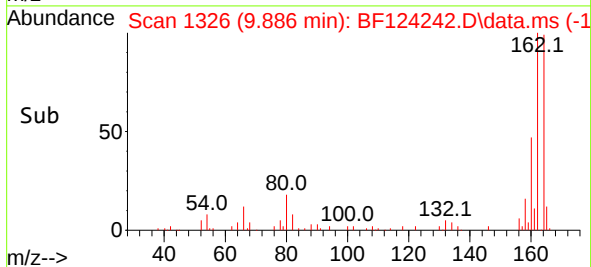
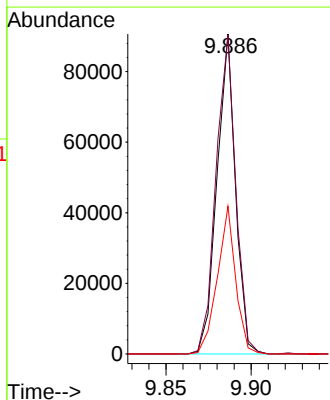
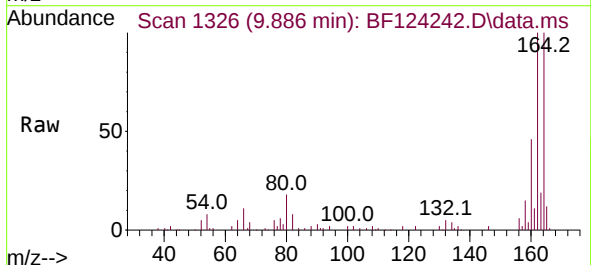
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ClientSampleId :
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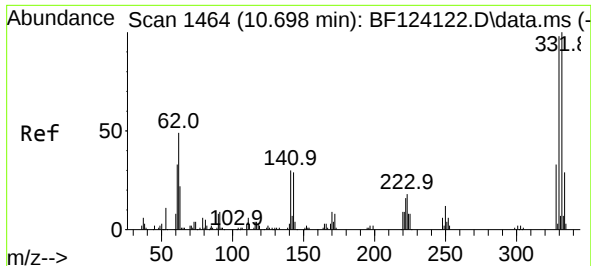
Tgt Ion: 82 Resp: 142270
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion: 164 Resp: 68501
Ion Ratio Lower Upper
164 100
162 99.7 80.7 121.1
160 46.2 37.3 55.9

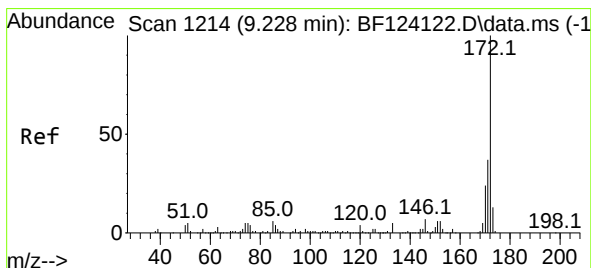
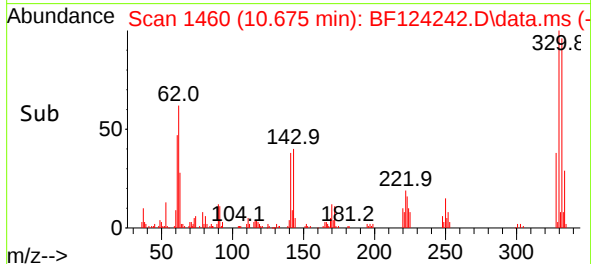
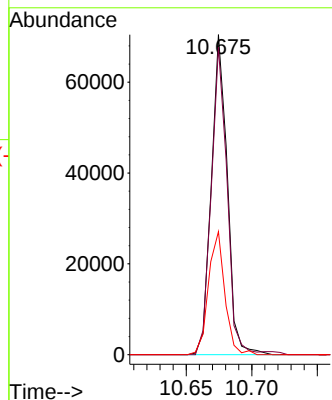
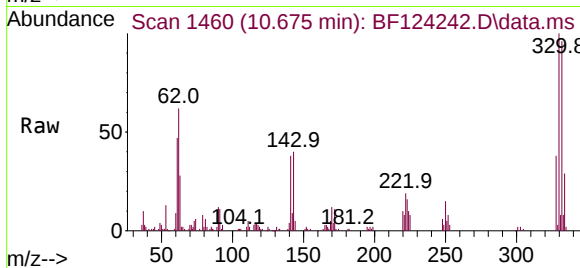




#42
2,4,6-Tribromophenol
Concen: 61.32 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

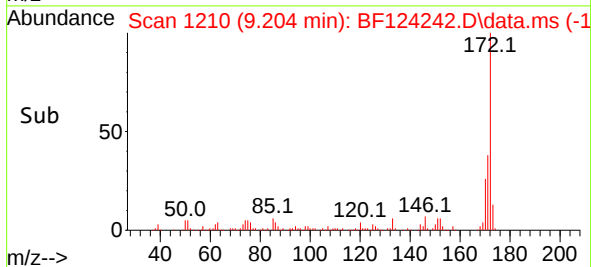
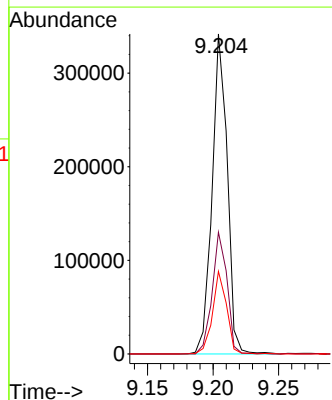
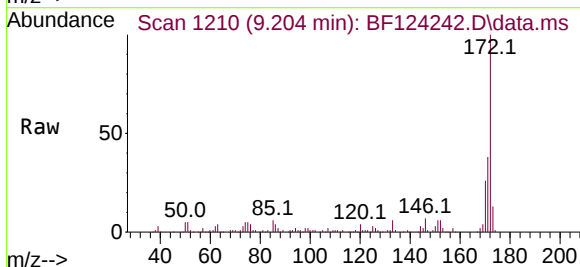
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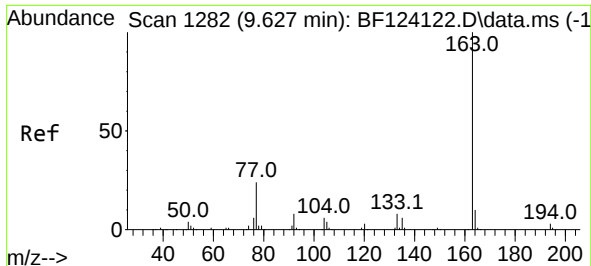
Tgt Ion: 330 Resp: 59508
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 39.6 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 50.53 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion: 172 Resp: 275067
Ion Ratio Lower Upper
172 100
171 38.1 28.1 42.1
170 25.8 19.2 28.8

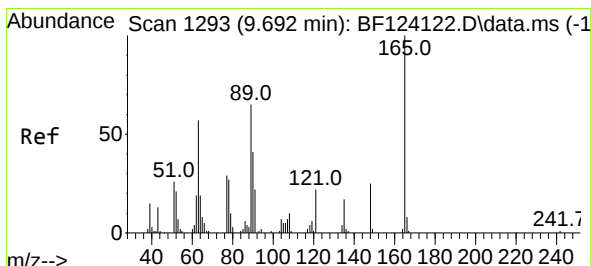
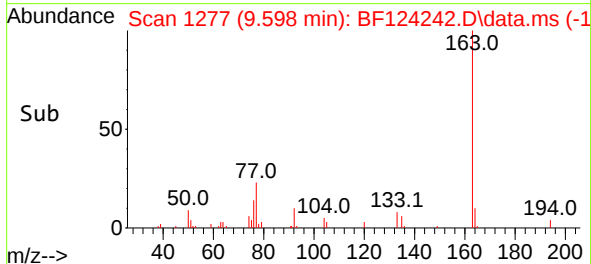
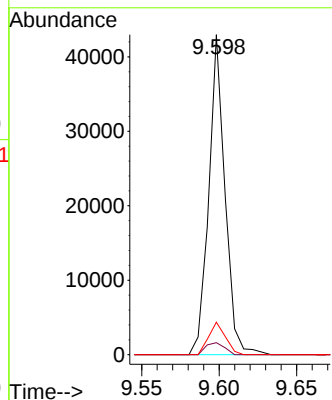
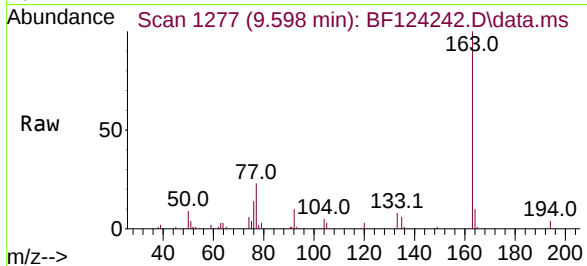




#50
Dimethylphthalate
Concen: 5.51 ng
RT: 9.598 min Scan# 1277
Delta R.T. -0.017 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

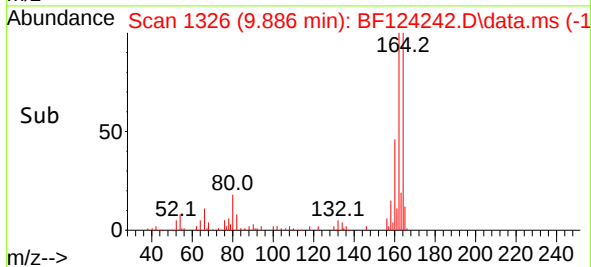
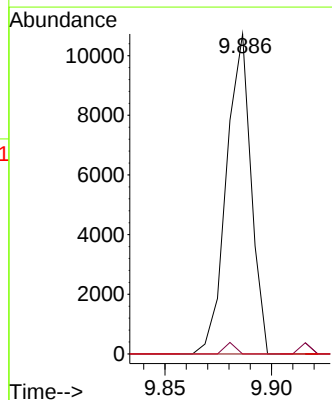
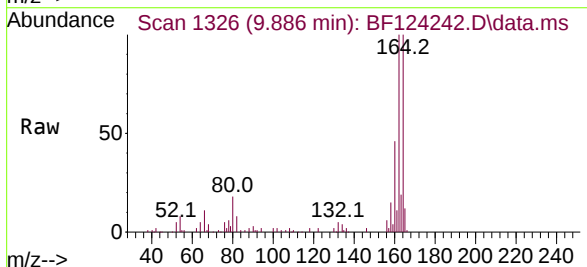
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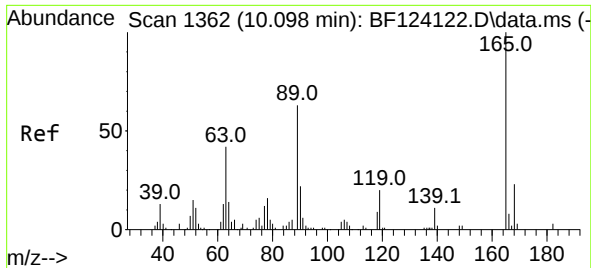
Tgt Ion:163 Resp: 31230
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.2 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 6.62 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:165 Resp: 8603
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#

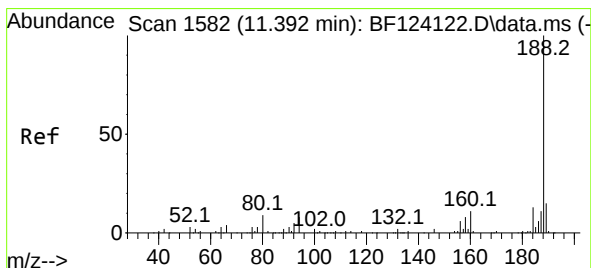
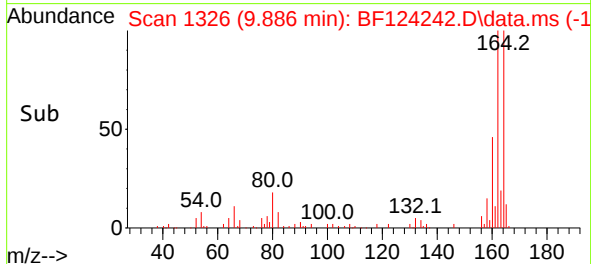
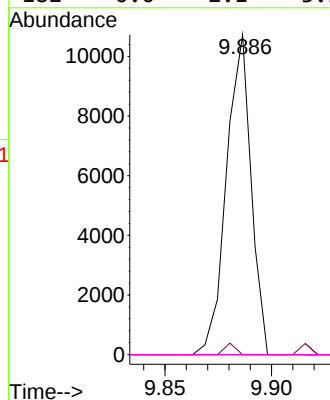
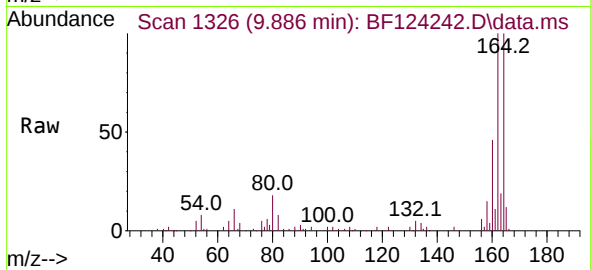




#57
2,4-Dinitrotoluene
Concen: 5.02 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

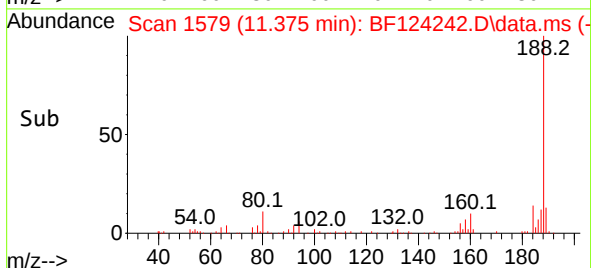
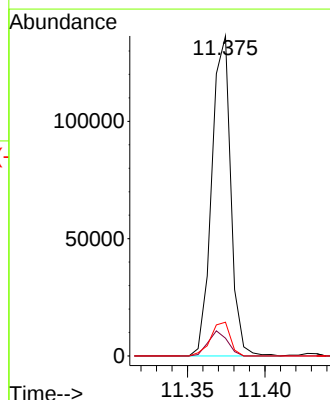
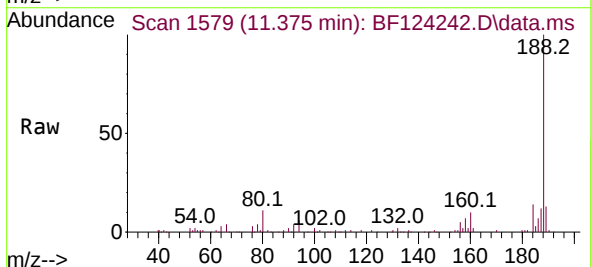
Instrument :
BNA_F
ClientSampleId :
11934

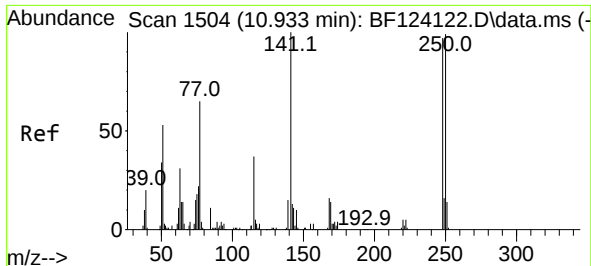
Tgt Ion:165 Resp: 8603
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:188 Resp: 115970
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 10.5 8.2 12.2

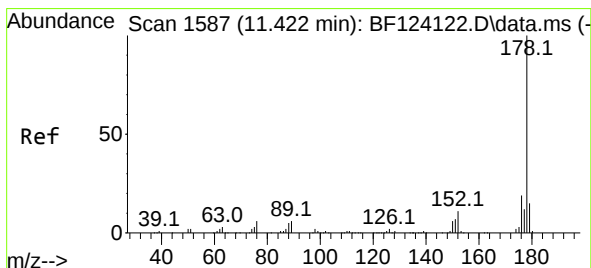
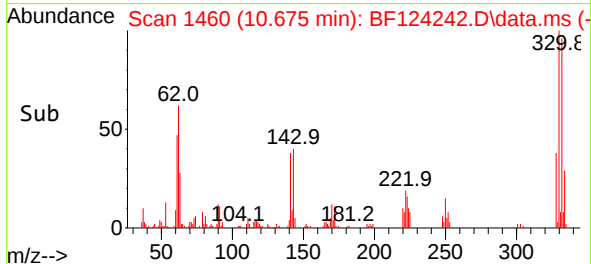
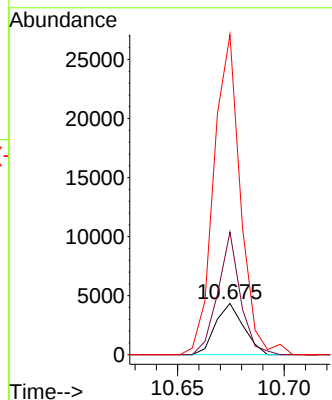
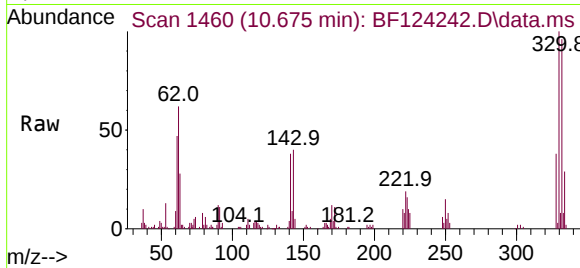




#67
4-Bromophenyl-phenylether
Concen: 2.49 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

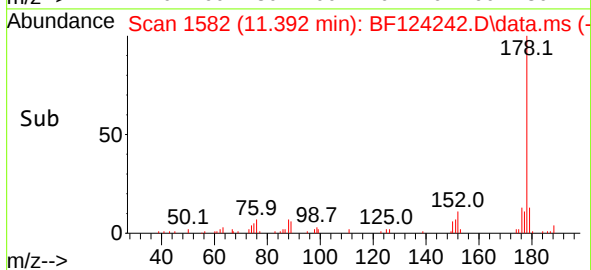
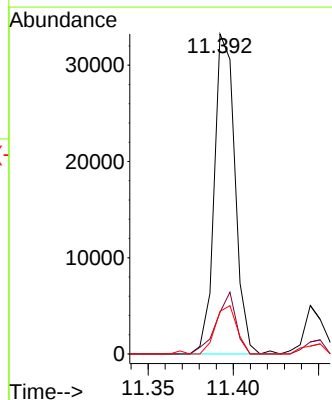
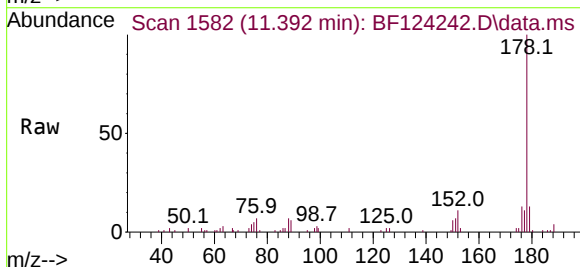
Instrument :
BNA_F
ClientSampled :
11934

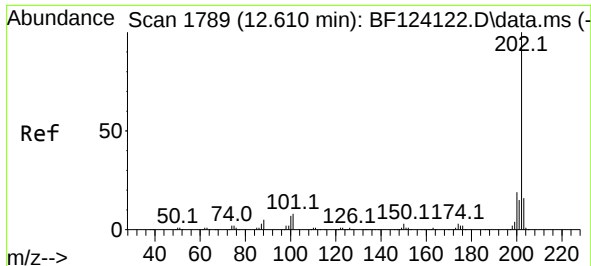
Tgt Ion:248 Resp: 3968
Ion Ratio Lower Upper
248 100
250 164.6 77.4 116.2#
141 429.3 63.7 95.5#



#71
Phenanthrene
Concen: 3.87 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:178 Resp: 28067
Ion Ratio Lower Upper
178 100
176 13.1 15.6 23.4#
179 13.3 12.5 18.7

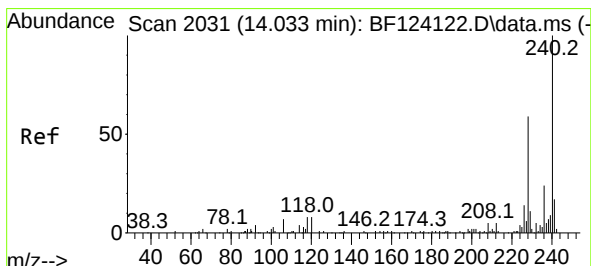
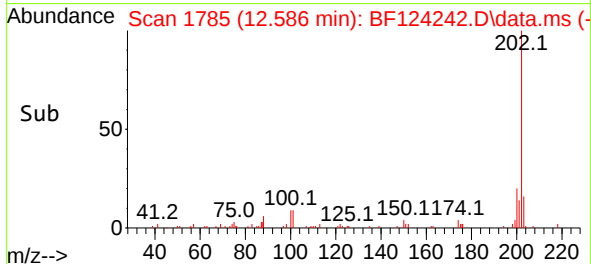
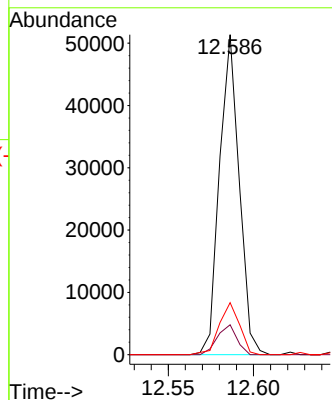
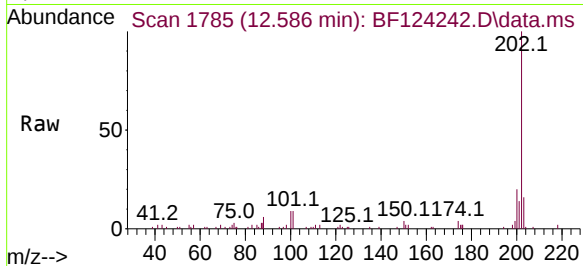




#75
Fluoranthene
Concen: 5.43 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

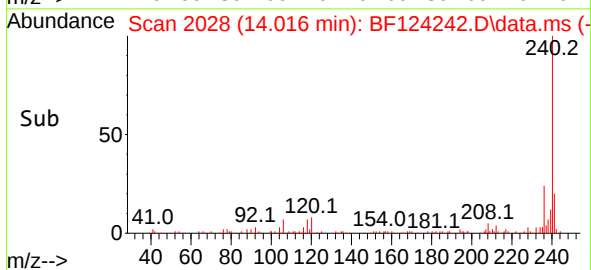
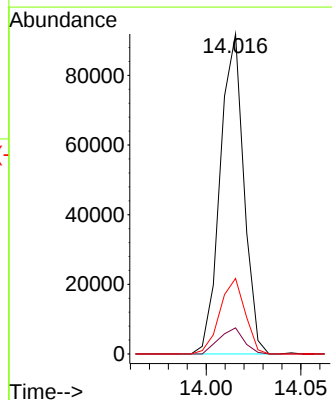
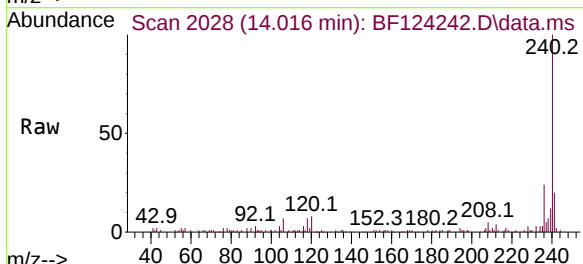
Instrument :
BNA_F
ClientSampleId :
11934

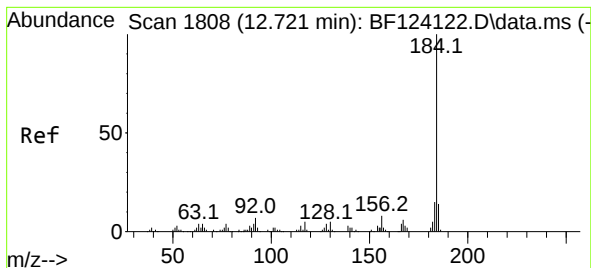
Tgt Ion:202	Resp:	41307
Ion Ratio	Lower	Upper
202	100	
101	9.3	0.0 30.9
203	16.2	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:240	Resp:	79977
Ion Ratio	Lower	Upper
240	100	
120	8.2	7.2 10.8
236	23.6	19.0 28.4





#77

Benzidine

Concen: 6.40 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.247 min

Lab File: BF124242.D

Acq: 10 Jun 2021 20:22

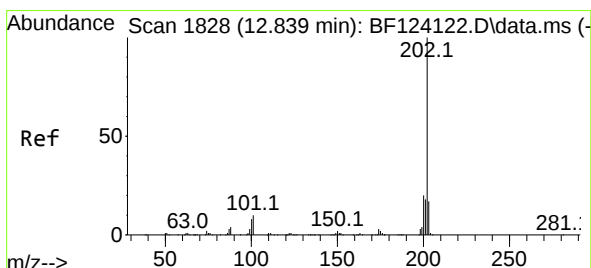
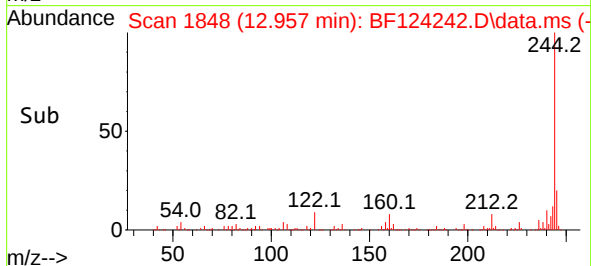
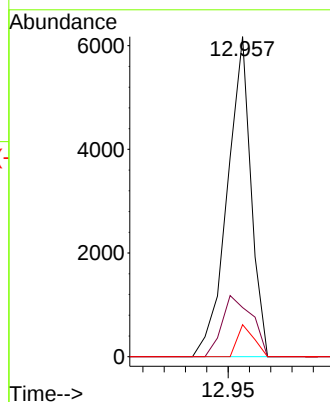
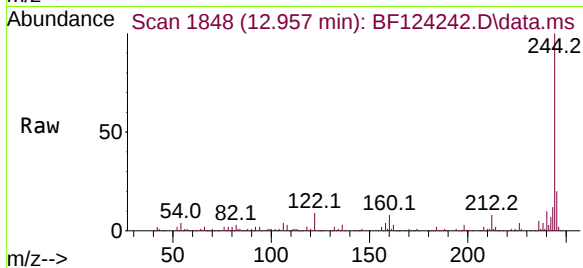
Tgt Ion:184 Resp: 4763

Ion Ratio Lower Upper

184 100

185 15.4 12.1 18.1

183 10.0 7.8 11.8



#78

Pyrene

Concen: 4.67 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF124242.D

Acq: 10 Jun 2021 20:22

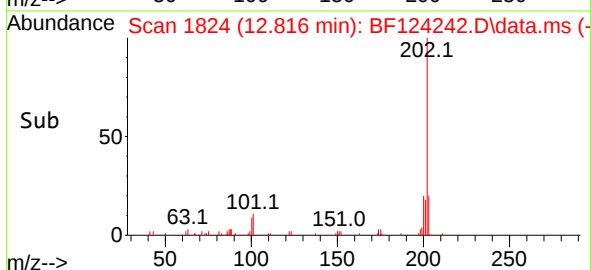
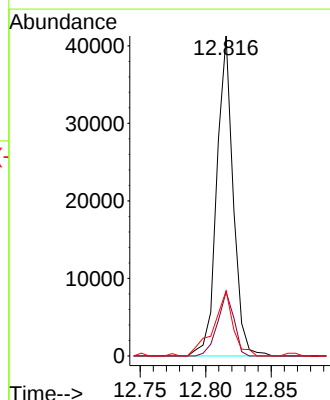
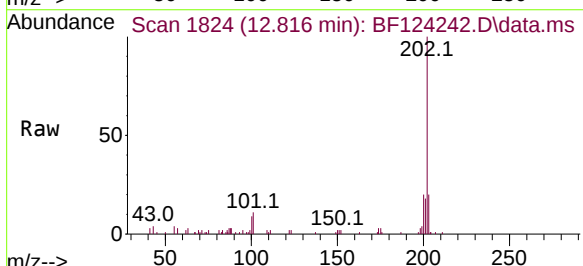
Tgt Ion:202 Resp: 35859

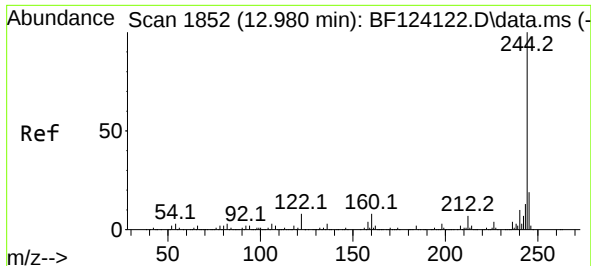
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

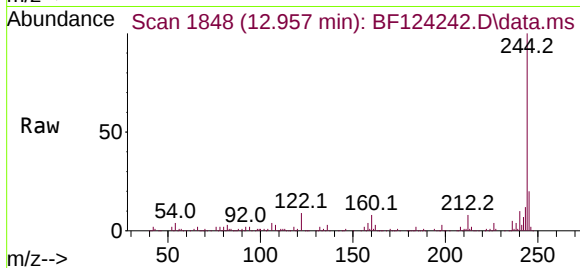
203 20.3 14.8 22.2



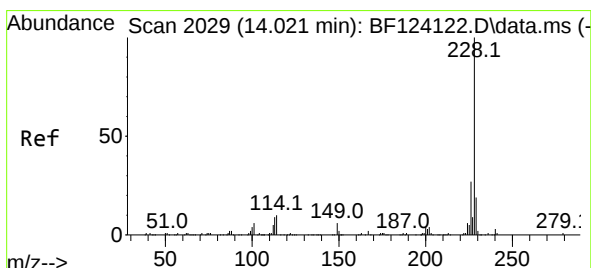
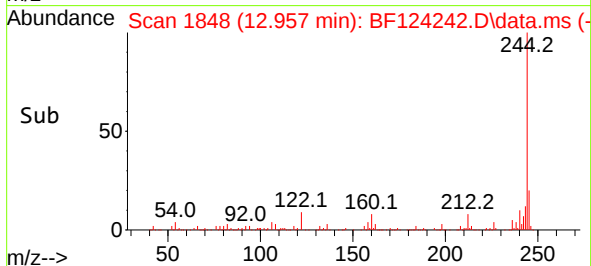
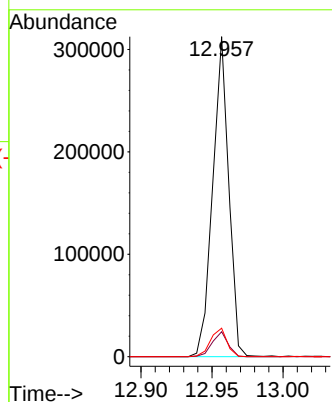


#79
 Terphenyl-d14
 Concen: 42.20 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124242.D
 Acq: 10 Jun 2021 20:22

Instrument :
 BNA_F
 ClientSampleId :
 11934

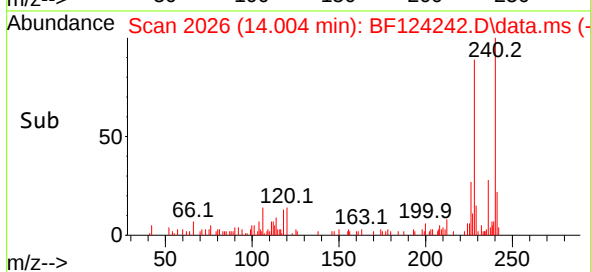
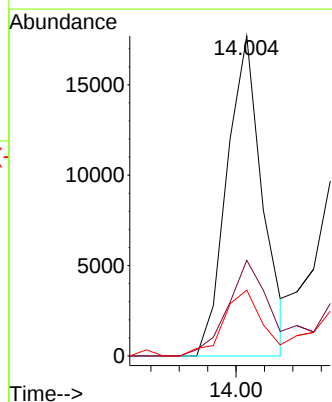
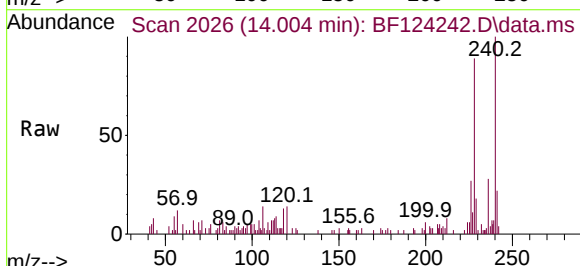


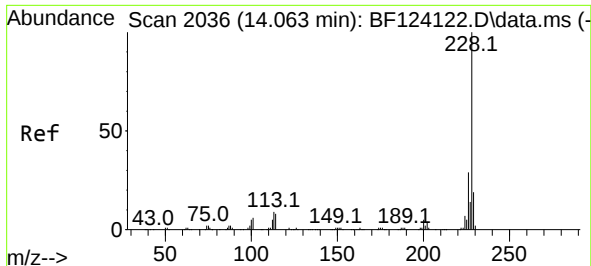
Tgt Ion:244 Resp: 245799
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.7 8.5
 122 8.9 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 2.65 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF124242.D
 Acq: 10 Jun 2021 20:22

Tgt Ion:228 Resp: 15432
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.4 33.6
 229 20.6 16.0 24.0

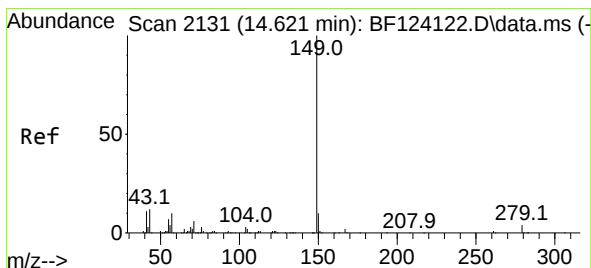
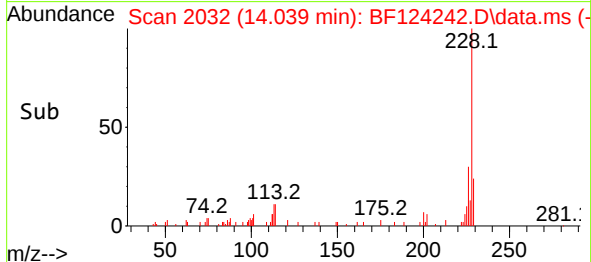
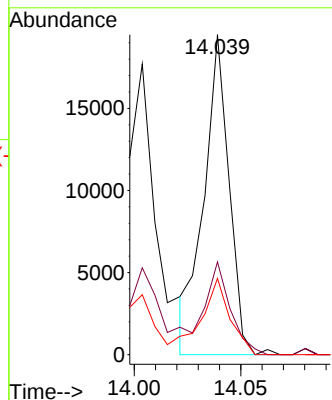
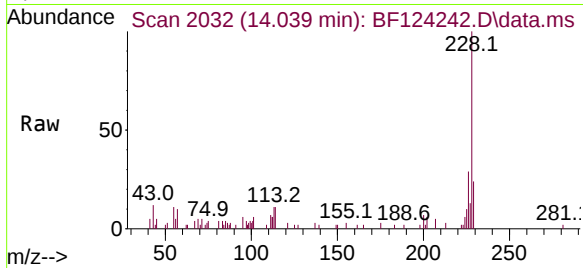




#83
Chrysene
Concen: 2.85 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

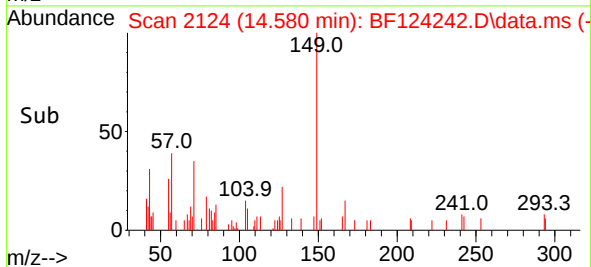
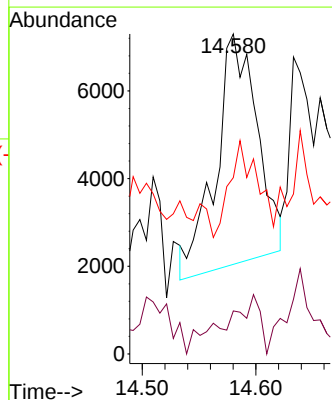
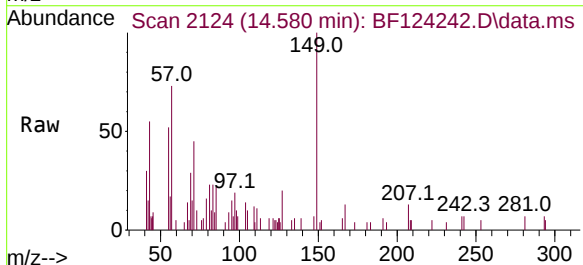
Instrument :
BNA_F
ClientSampleId :
11934

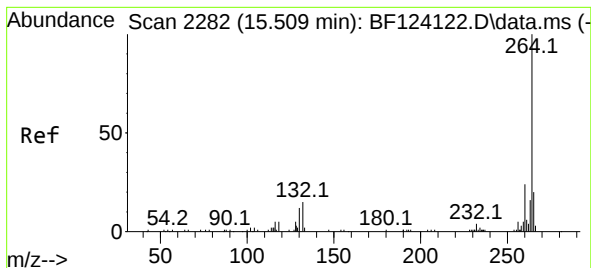
Tgt Ion:228	Resp:	16046
Ion Ratio	Lower	Upper
228	100	
226	29.0	24.3 36.5
229	23.8	16.2 24.2



#85
Di-n-octyl phthalate
Concen: 2.68 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.023 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:149	Resp:	13251
Ion Ratio	Lower	Upper
149	100	
167	22.3	1.2 1.8#
43	28.1	11.8 17.6#

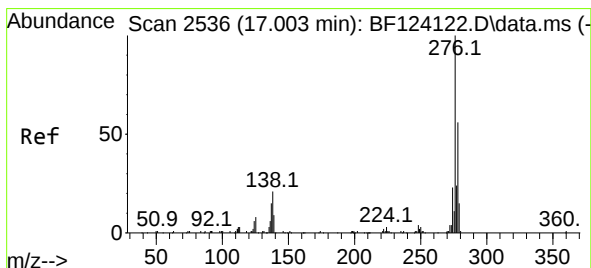
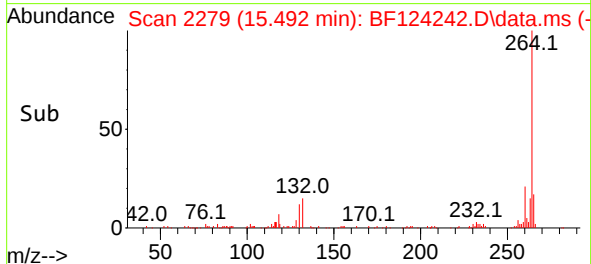
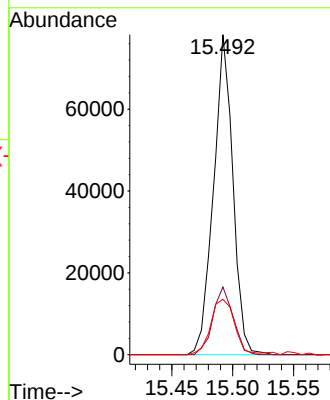
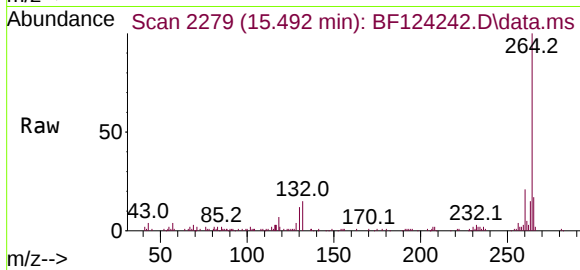




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

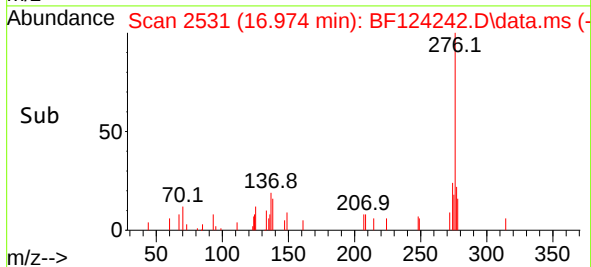
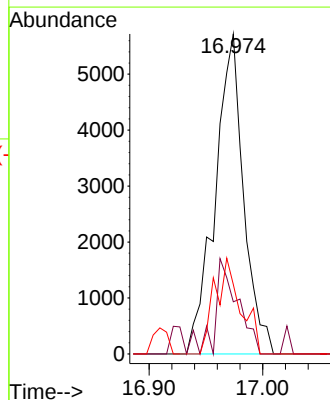
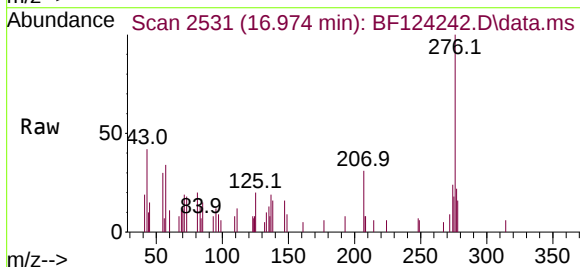
Instrument :
BNA_F
ClientSampleId :
11934

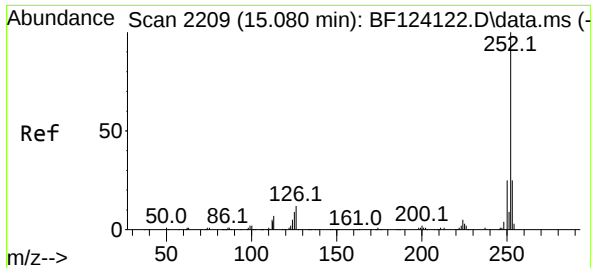
Tgt Ion:264 Resp: 86604
Ion Ratio Lower Upper
264 100
260 21.1 18.7 28.1
265 17.3 17.8 26.8#



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.60 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:276 Resp: 9995
Ion Ratio Lower Upper
276 100
138 22.6 16.2 24.2
277 27.3 20.1 30.1

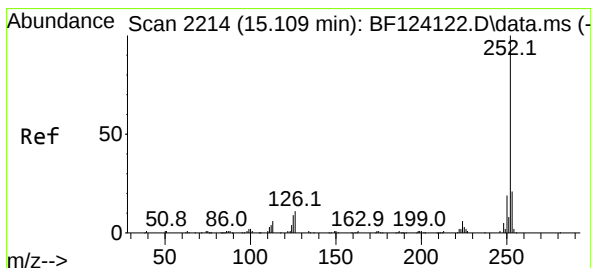
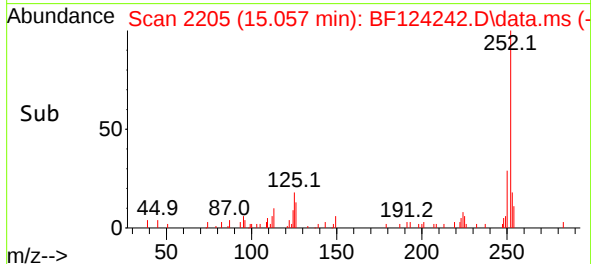
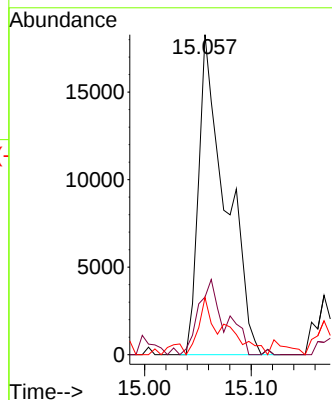
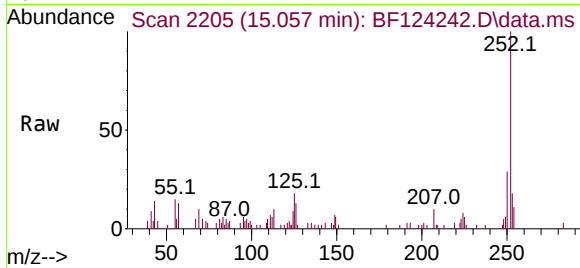




#88
Benzo(b)fluoranthene
Concen: 4.79 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

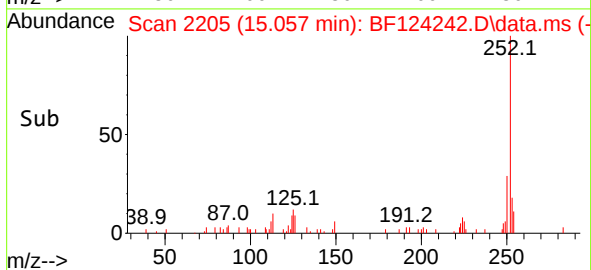
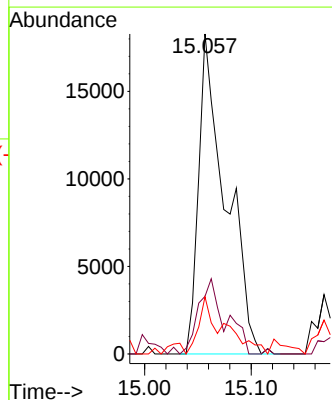
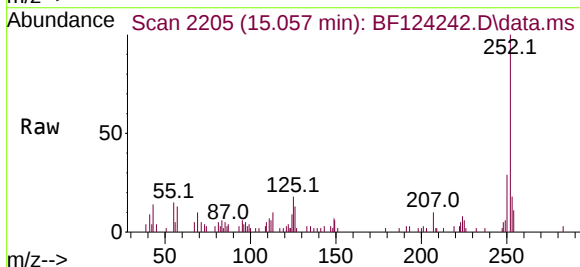
Instrument :
BNA_F
ClientSampleId :
11934

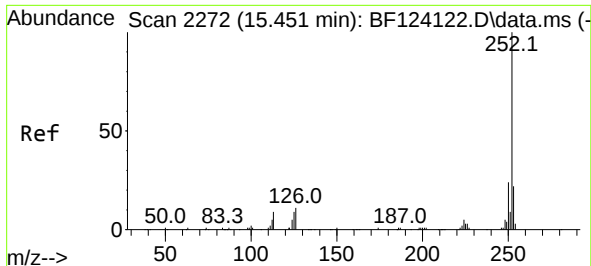
Tgt Ion:252 Resp: 32232
Ion Ratio Lower Upper
252 100
253 18.0 18.1 27.1#
125 17.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 5.06 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.035 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:252 Resp: 32232
Ion Ratio Lower Upper
252 100
253 18.0 17.9 26.9
125 17.8 7.0 10.6#

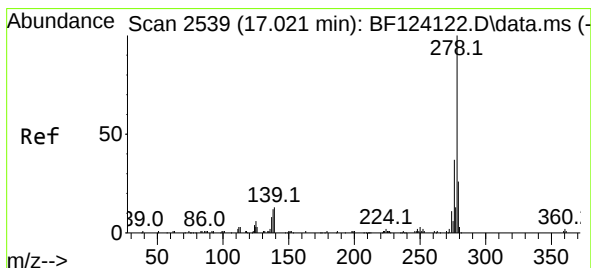
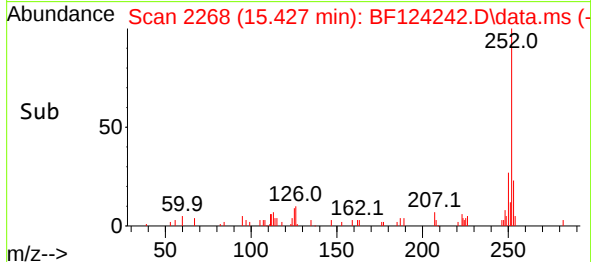
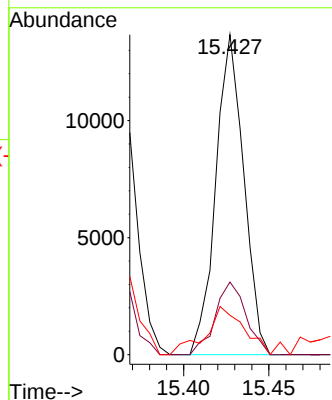
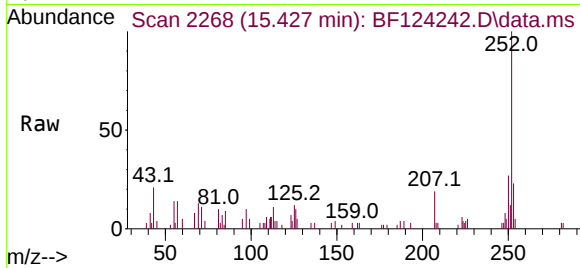




#90
Benzo(a)pyrene
Concen: 2.67 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

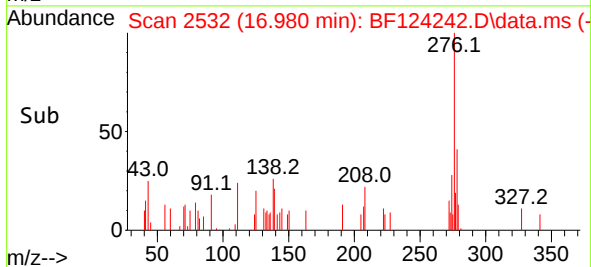
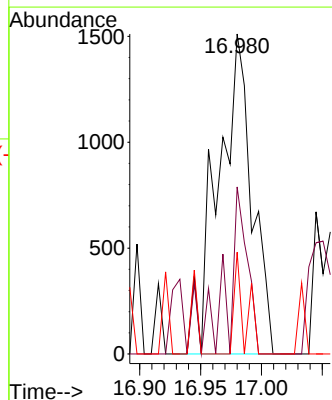
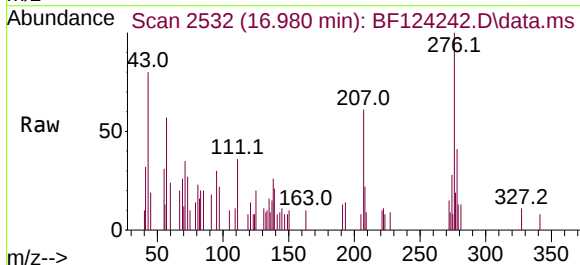
Instrument :
BNA_F
ClientSampleId :
11934

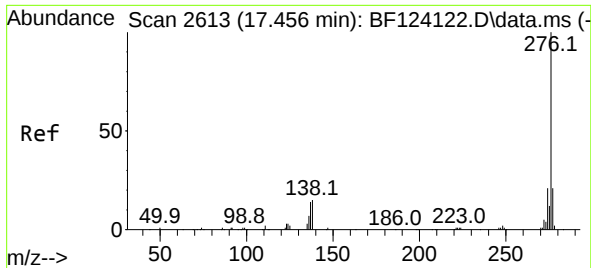
Tgt Ion:252 Resp: 15595
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 12.3 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.61 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Tgt Ion:278 Resp: 2928
Ion Ratio Lower Upper
278 100
139 52.2 10.2 15.2#
279 31.8 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 5.25 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.023 min
Lab File: BF124242.D
Acq: 10 Jun 2021 20:22

Instrument :
BNA_F
ClientSampleId :
11934

Tgt Ion:276 Resp: 9499
Ion Ratio Lower Upper
276 100
277 21.8 18.2 27.2
138 44.3 13.8 20.6#

