

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061121\
 Data File : BF124259.D
 Acq On : 11 Jun 2021 14:11
 Operator : JU/CG
 Sample : M2638-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ND-1

Quant Time: Jun 11 14:36:59 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)

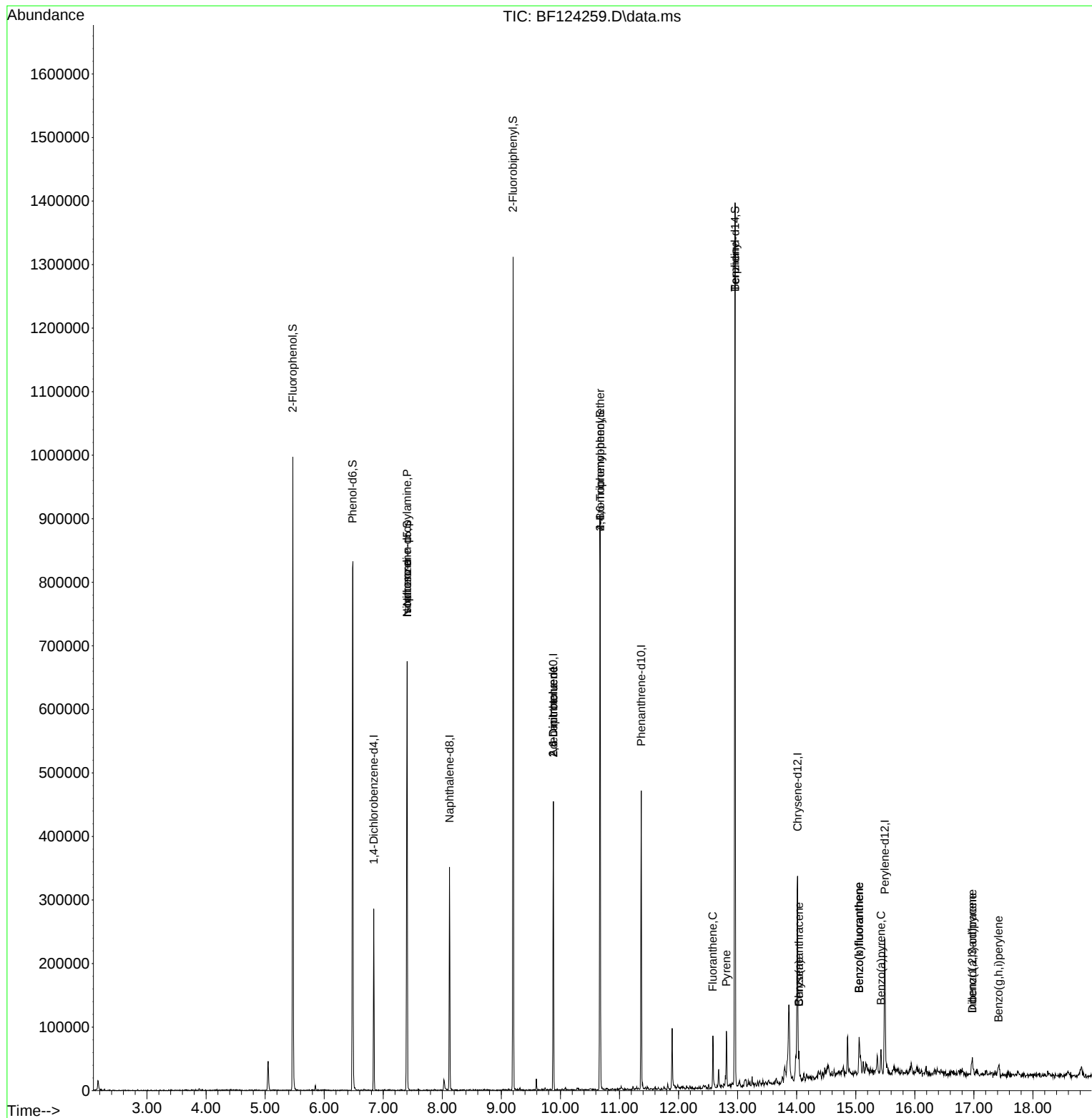
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	30964	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	129324	20.000	ng	#-0.01
39) Acenaphthene-d10	9.880	164	79726	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	143045	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	94221	20.000	ng	# 0.00
86) Perylene-d12	15.492	264	79412	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	193914	94.273	ng	-0.01
7) Phenol-d6	6.481	99	249864	90.372	ng	-0.02
23) Nitrobenzene-d5	7.404	82	188651	57.856	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	96055	85.040	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	349801	55.211	ng	-0.01
79) Terphenyl-d14	12.957	244	406393	59.218	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	26697	13.678	ng	# 64
25) Isophorone	7.404	82	188648	32.106	ng	# 69
51) 2,6-Dinitrotoluene	9.880	165	10406	6.880	ng	# 10
57) 2,4-Dinitrotoluene	9.880	165	10406	5.217	ng	# 15
67) 4-Bromophenyl-phenylether	10.674	248	6782	3.454	ng	# 1
75) Fluoranthene	12.580	202	27515	2.933	ng	99
77) Benzidine	12.957	184	7547	7.207	ng	# 81
78) Pyrene	12.810	202	33090	3.657	ng	96
81) Benzo(a)anthracene	14.039	228	16665	2.428	ng	95
83) Chrysene	14.039	228	16665	2.516	ng	93
87) Indeno(1,2,3-cd)pyrene	16.974	276	14504	6.331	ng	97
88) Benzo(b)fluoranthene	15.057	252	35629	5.776	ng	# 90
89) Benzo(k)fluoranthene	15.057	252	35629	6.101	ng	# 90
90) Benzo(a)pyrene	15.427	252	15311	2.858	ng	# 80
91) Dibenzo(a,h)anthracene	16.974	278	3600	4.758	ng	# 82
92) Benzo(g,h,i)perylene	17.415	276	12061	5.802	ng	# 82

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

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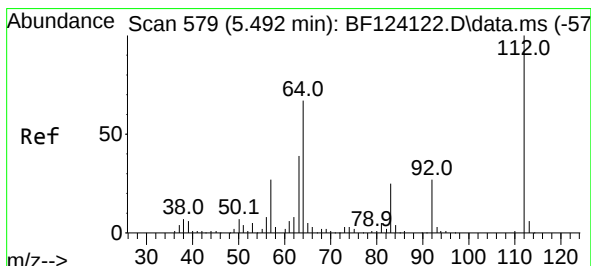
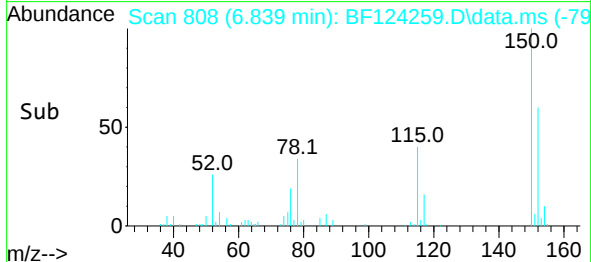
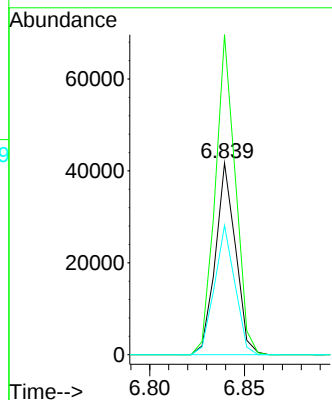
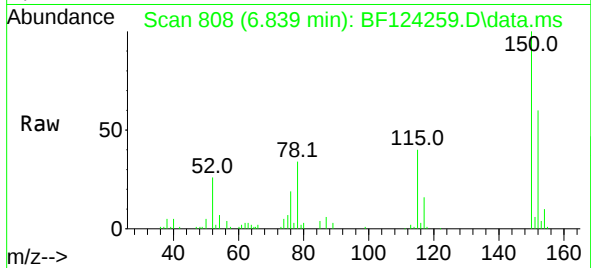




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.012 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

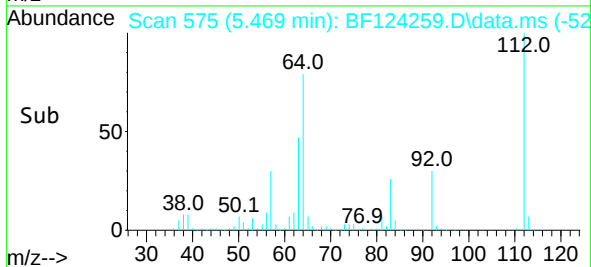
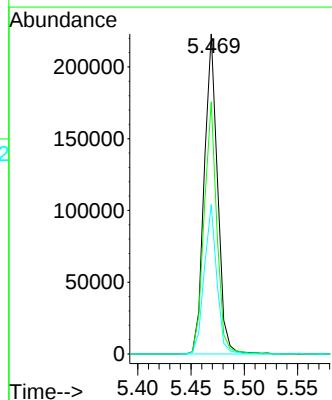
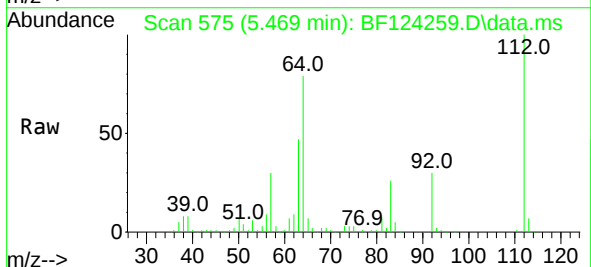
Instrument :
BNA_F
ClientSampleID :
ND-1

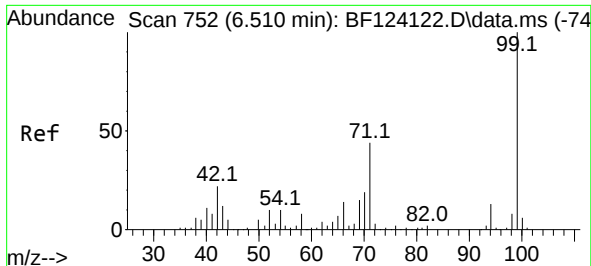
Tgt Ion:152 Resp: 30964
Ion Ratio Lower Upper
152 100
150 166.9 127.0 190.6
115 67.4 54.3 81.5



#5
2-Fluorophenol
Concen: 94.273 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion:112 Resp: 193914
Ion Ratio Lower Upper
112 100
64 78.8 61.4 92.0
63 46.7 33.0 49.4

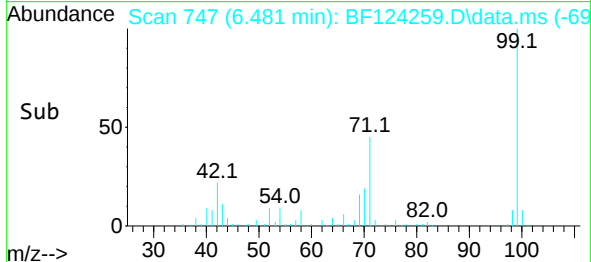
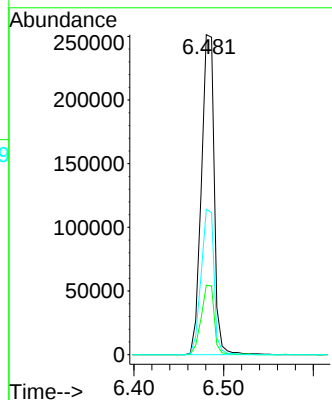
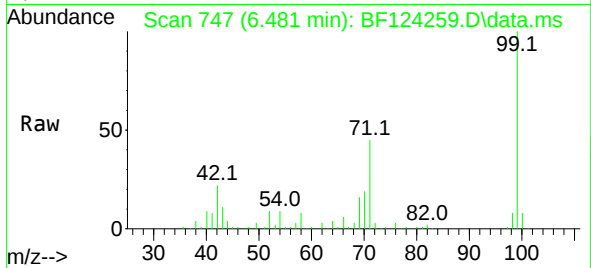




#7
Phenol-d6
Concen: 90.372 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.018 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

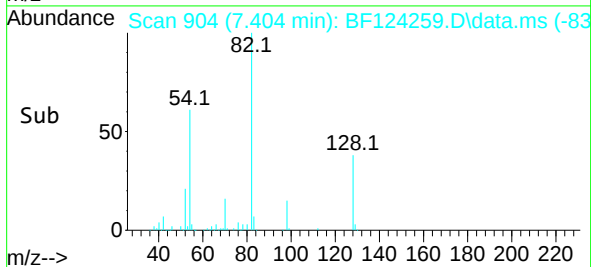
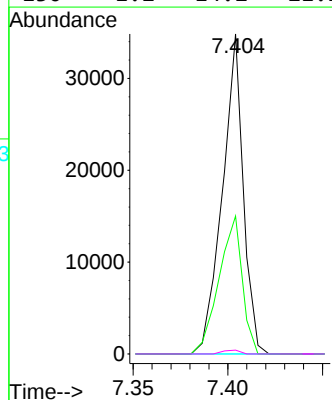
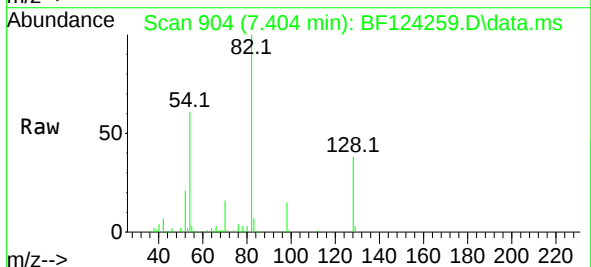
Instrument :
BNA_F
ClientSampleId :
ND-1

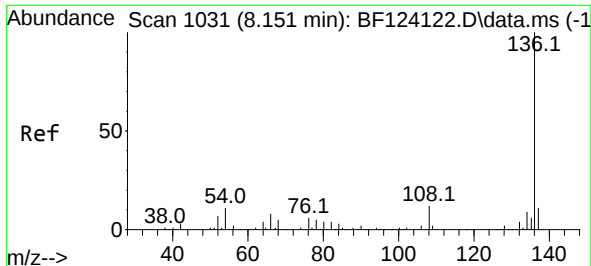
Tgt Ion: 99 Resp: 249864
Ion Ratio Lower Upper
99 100
42 21.7 19.8 29.8
71 45.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.678 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

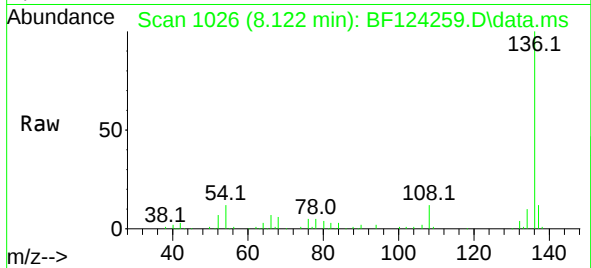
Tgt Ion: 70 Resp: 26697
Ion Ratio Lower Upper
70 100
42 43.1 60.1 90.1#
101 0.0 7.4 11.2#
130 1.2 14.2 21.2#



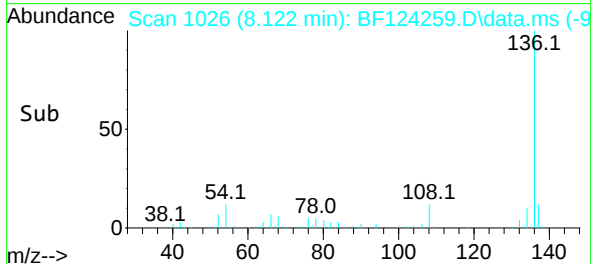
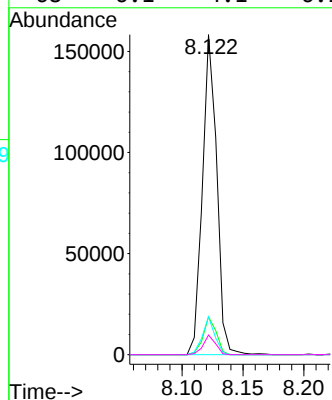


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Instrument :
BNA_F
ClientSampleId :
ND-1

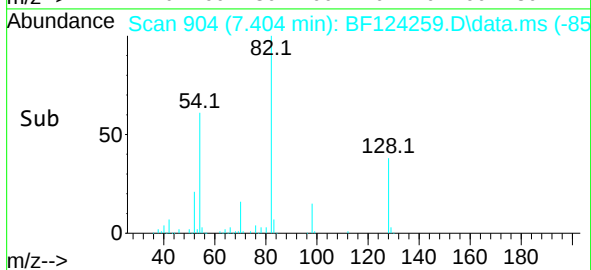
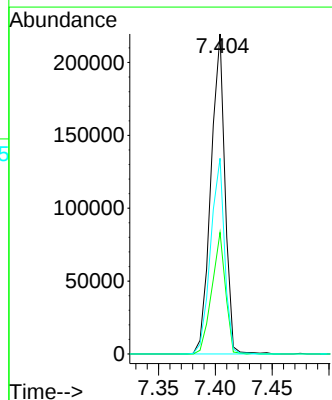
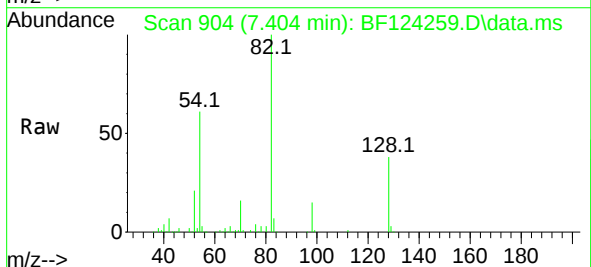


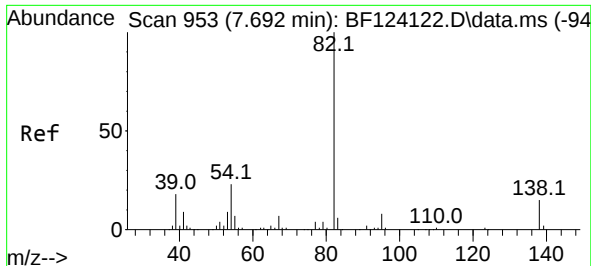
Tgt Ion:136 Resp: 129324
Ion Ratio Lower Upper
136 100
137 11.8 8.7 13.1
54 11.8 9.8 14.6
68 6.1 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 57.856 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion: 82 Resp: 188651
Ion Ratio Lower Upper
82 100
128 38.0 29.4 44.2
54 61.1 54.1 81.1

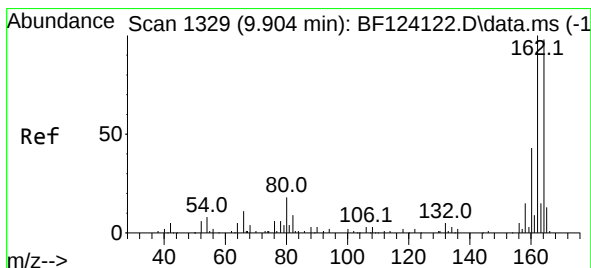
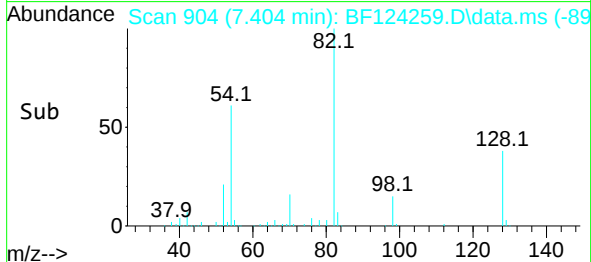
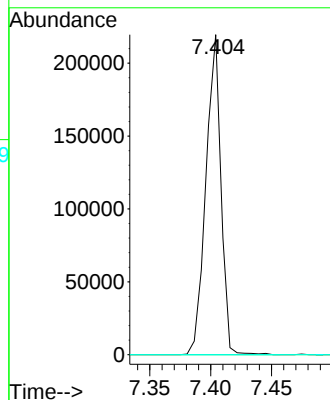
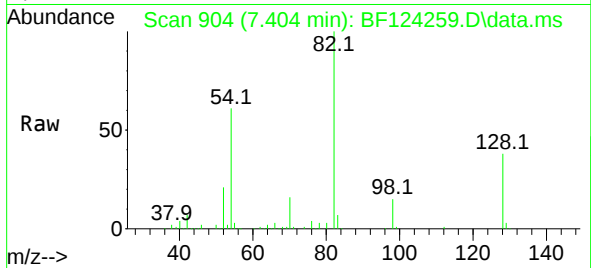




#25
Isophorone
Concen: 32.106 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.270 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

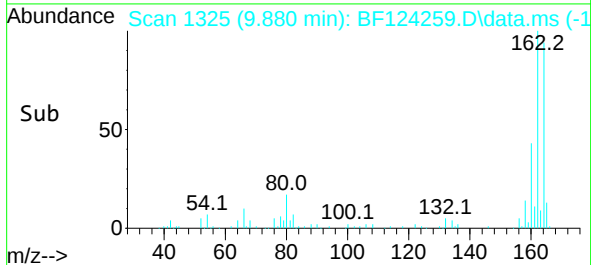
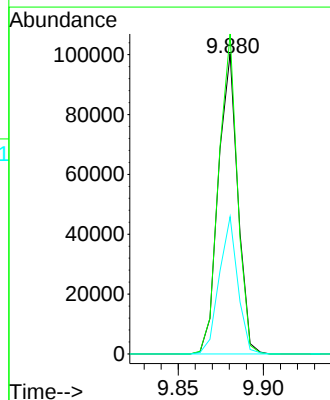
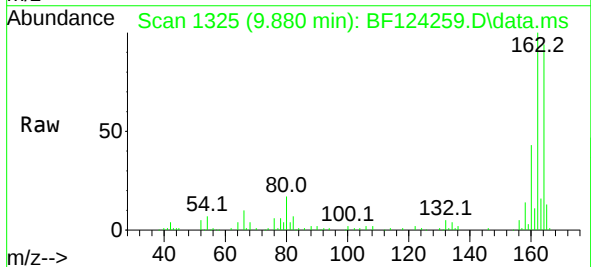
Instrument :
BNA_F
ClientSampleId :
ND-1

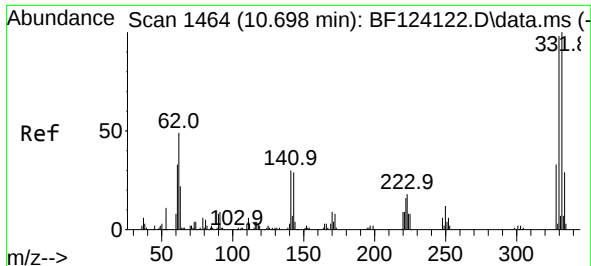
Tgt Ion: 82 Resp: 188648
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion:164 Resp: 79726
Ion Ratio Lower Upper
164 100
162 106.5 80.7 121.1
160 45.7 37.3 55.9

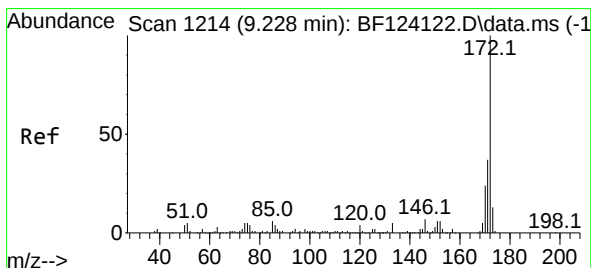
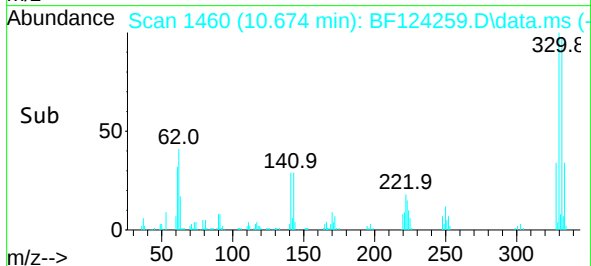
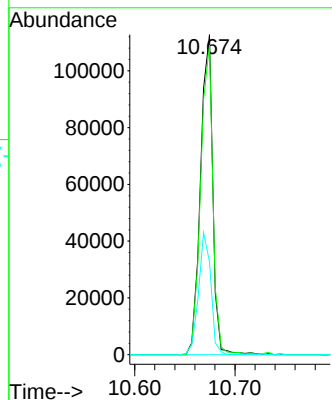
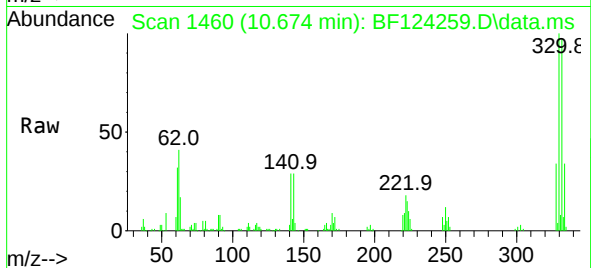




#42
2,4,6-Tribromophenol
Concen: 85.040 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

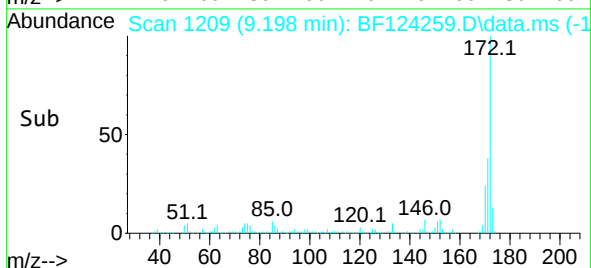
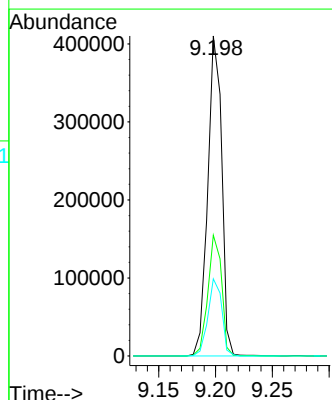
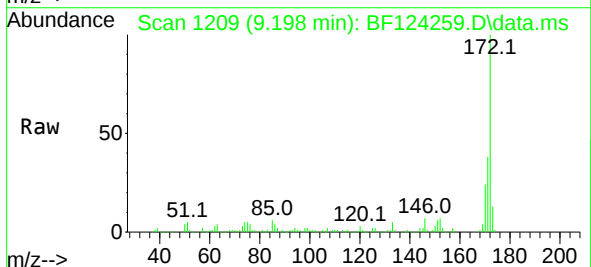
Instrument :
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ClientSampleId :
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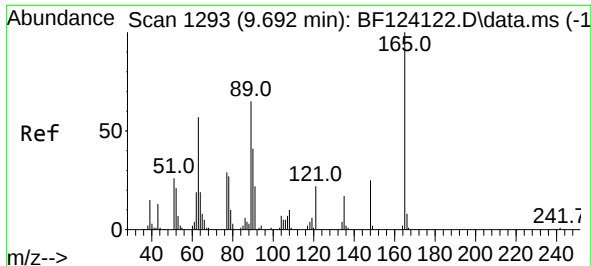
Tgt Ion: 330 Resp: 96055
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 38.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 55.211 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion: 172 Resp: 349801
Ion Ratio Lower Upper
172 100
171 37.8 28.1 42.1
170 24.1 19.2 28.8

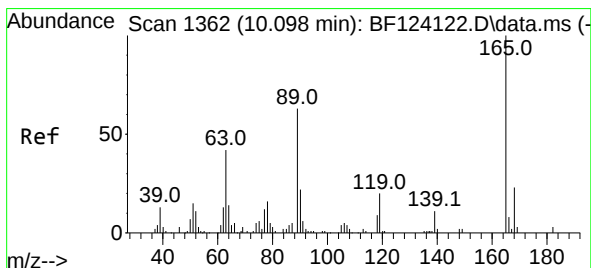
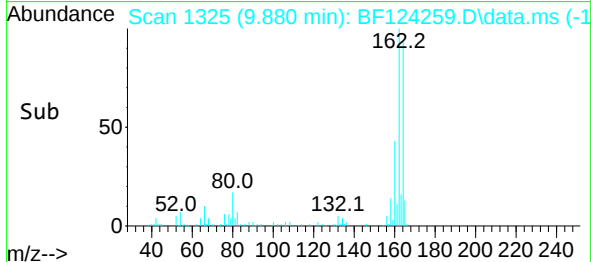
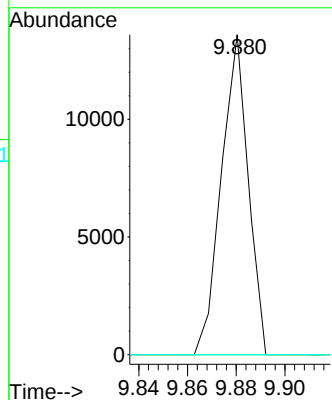
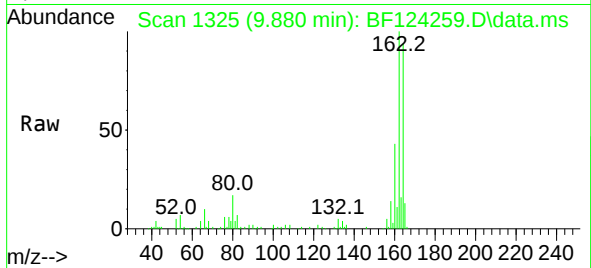




#51
2,6-Dinitrotoluene
Concen: 6.880 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

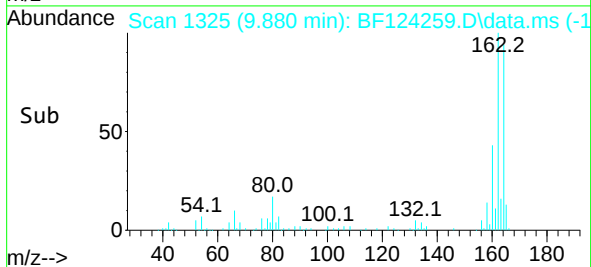
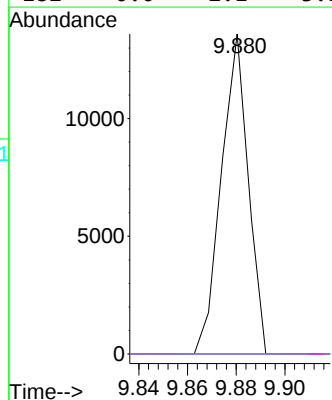
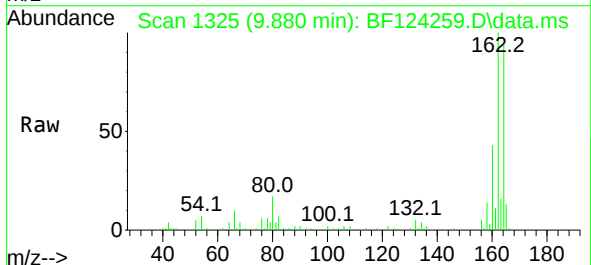
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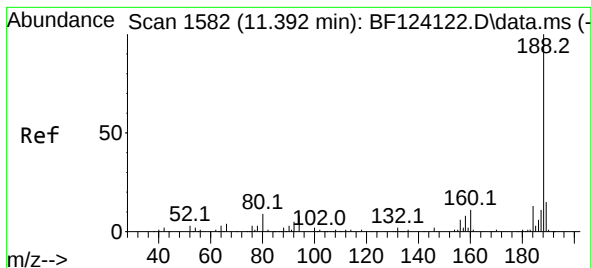
Tgt Ion:165 Resp: 10406
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.217 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion:165 Resp: 10406
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#

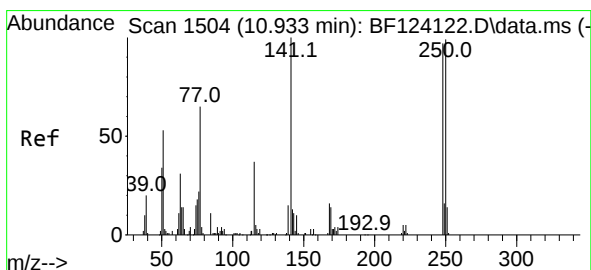
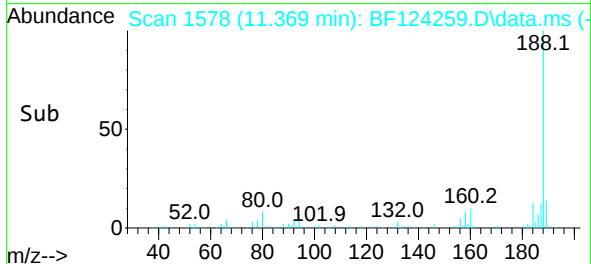
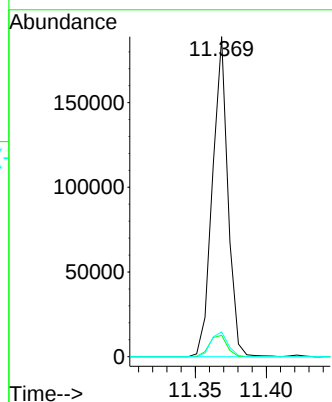
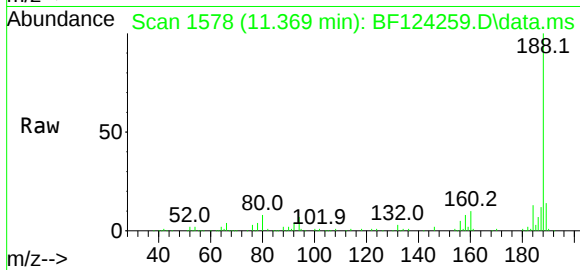




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

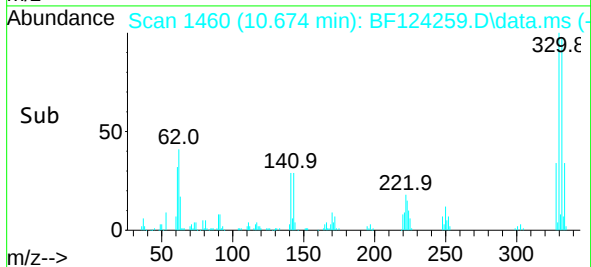
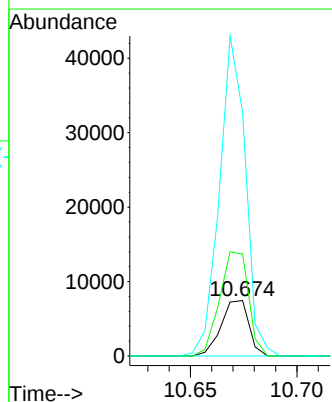
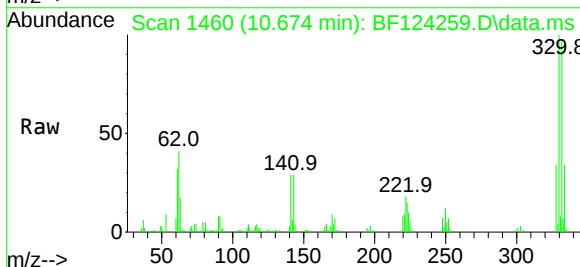
Instrument :
BNA_F
ClientSampleId :
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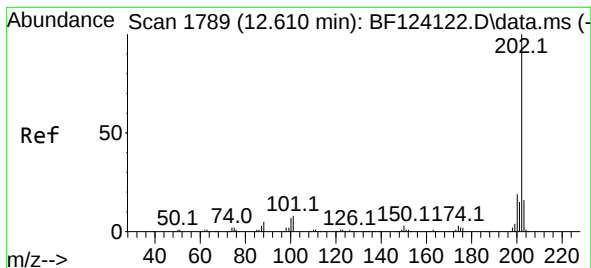
Tgt Ion:188 Resp: 143045
Ion Ratio Lower Upper
188 100
94 6.6 6.9 10.3#
80 7.8 8.2 12.2#



#67
4-Bromophenyl-phenylether
Concen: 3.454 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion:248 Resp: 6782
Ion Ratio Lower Upper
248 100
250 183.7 77.4 116.2#
141 439.1 63.7 95.5#

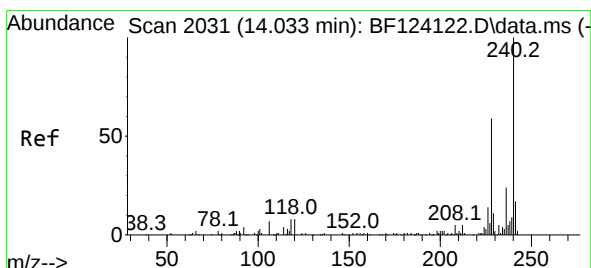
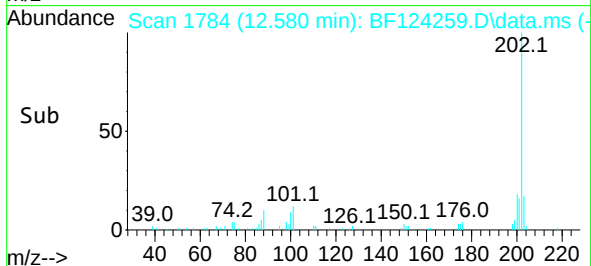
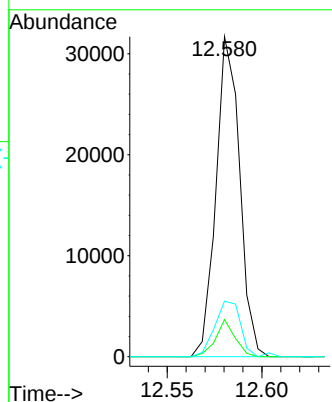
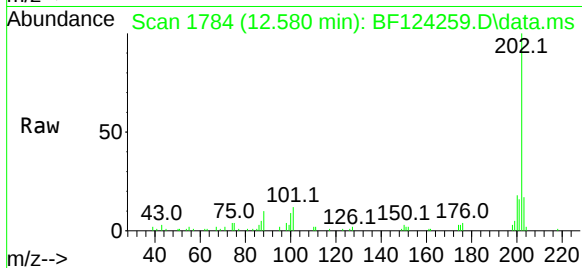




#75
Fluoranthene
Concen: 2.933 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

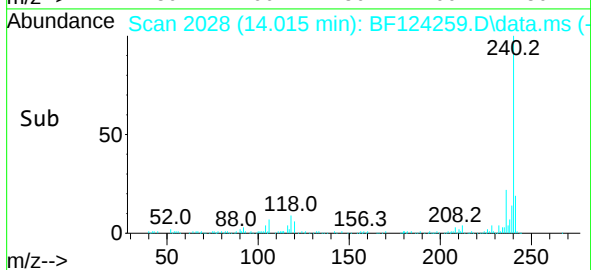
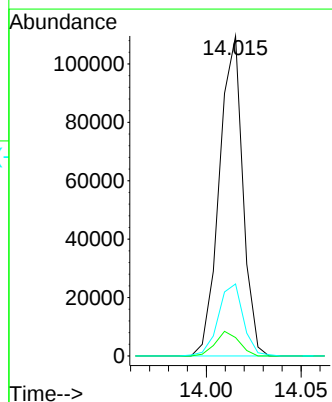
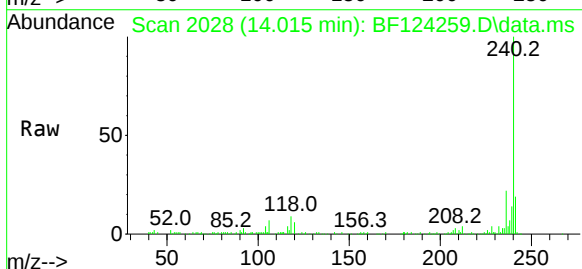
Instrument :
BNA_F
ClientSampleId :
ND-1

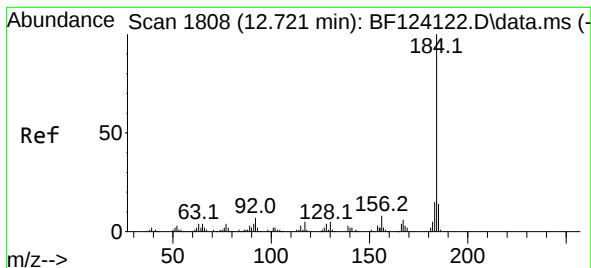
Tgt Ion:202	Resp:	27515
Ion Ratio	Lower	Upper
202	100	
101	11.6	0.0 30.9
203	17.3	0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion:240	Resp:	94221
Ion Ratio	Lower	Upper
240	100	
120	5.7	7.2 10.8#
236	22.5	19.0 28.4





#77

Benzidine

Concen: 7.207 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.247 min

Lab File: BF124259.D

Acq: 11 Jun 2021 14:11

Tgt Ion:184 Resp: 7547

Ion Ratio Lower Upper

184 100

185 21.0 12.1 18.1#

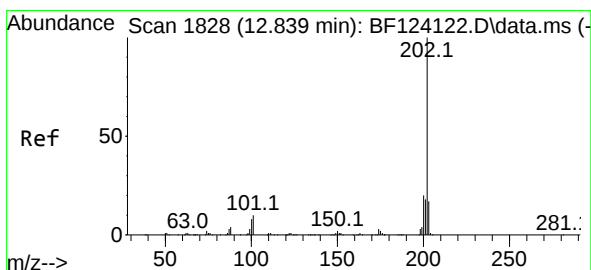
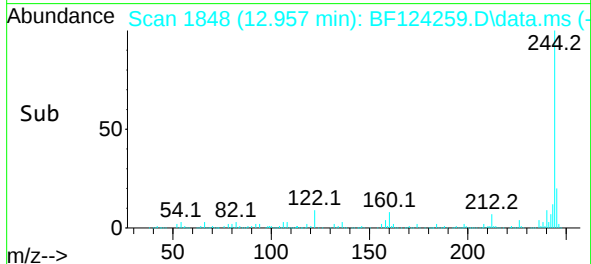
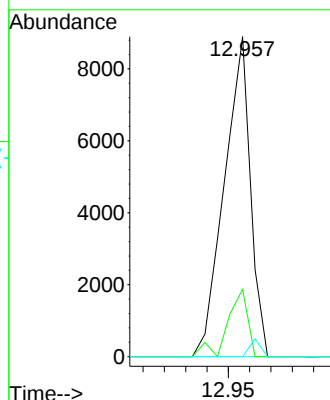
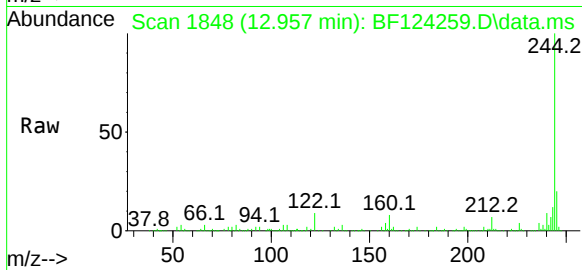
183 0.0 7.8 11.8#

Instrument :

BNA_F

ClientSampleId :

ND-1



#78

Pyrene

Concen: 3.657 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.012 min

Lab File: BF124259.D

Acq: 11 Jun 2021 14:11

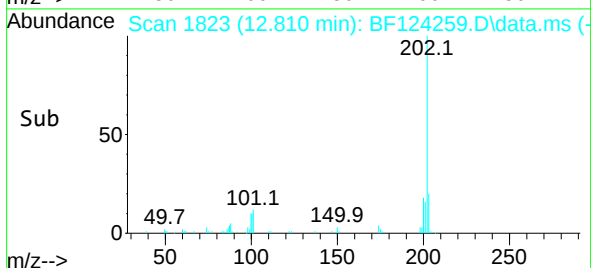
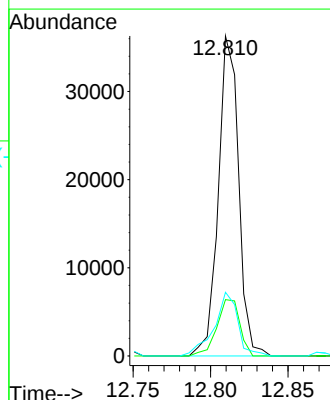
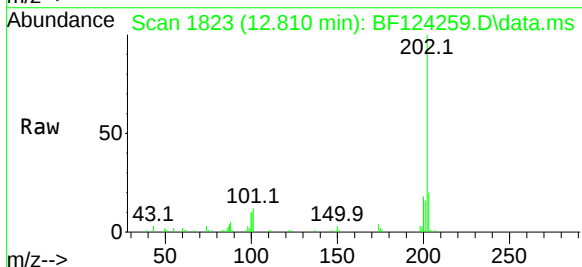
Tgt Ion:202 Resp: 33090

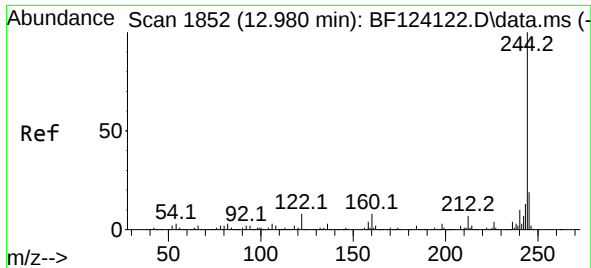
Ion Ratio Lower Upper

202 100

200 17.6 16.1 24.1

203 19.9 14.8 22.2

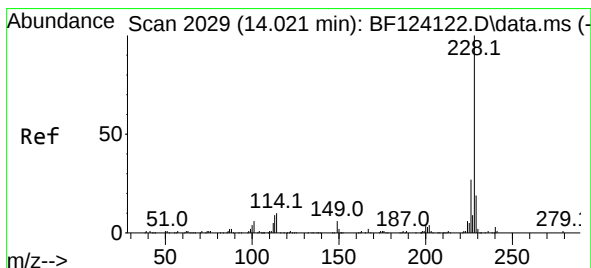
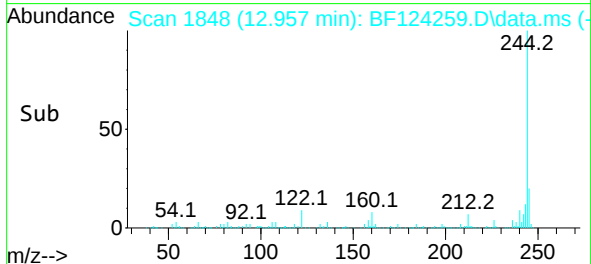
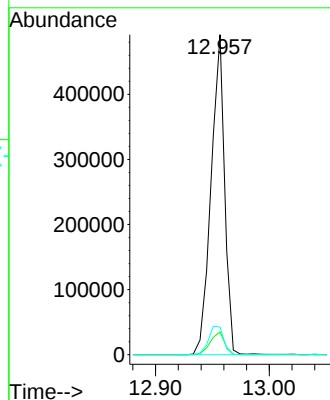
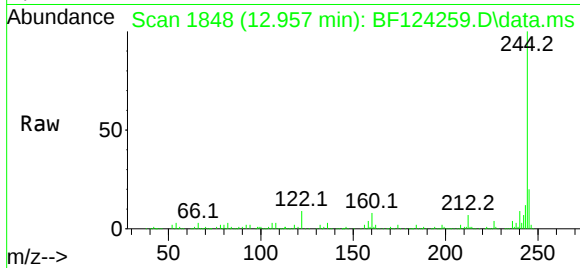




#79
 Terphenyl-d14
 Concen: 59.218 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF124259.D
 Acq: 11 Jun 2021 14:11

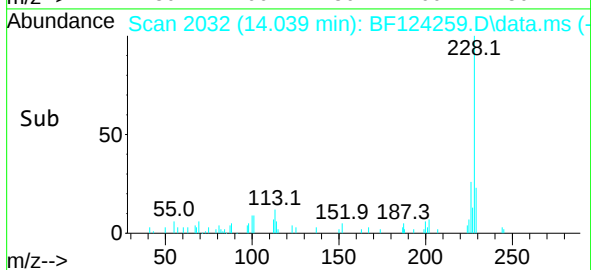
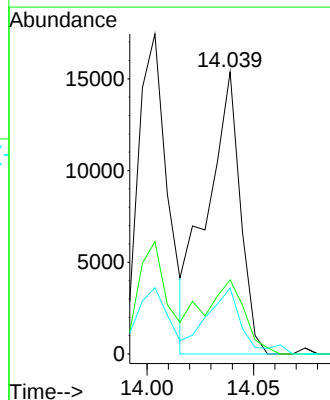
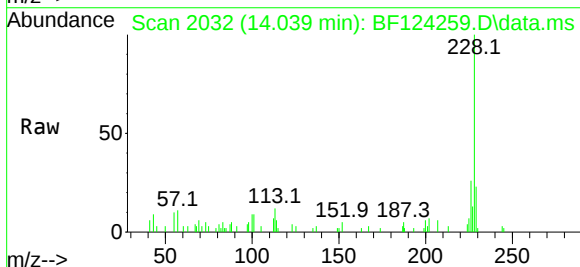
Instrument :
 BNA_F
 ClientSampleId :
 ND-1

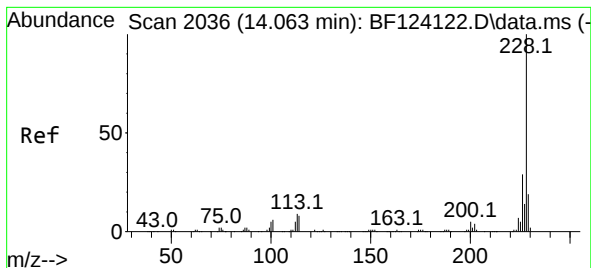
Tgt Ion:244 Resp: 406393
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 8.7 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 2.428 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.030 min
 Lab File: BF124259.D
 Acq: 11 Jun 2021 14:11

Tgt Ion:228 Resp: 16665
 Ion Ratio Lower Upper
 228 100
 226 26.3 22.4 33.6
 229 23.4 16.0 24.0





#83

Chrysene

Concen: 2.516 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF124259.D

Acq: 11 Jun 2021 14:11

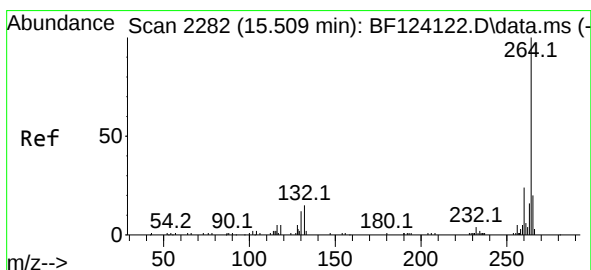
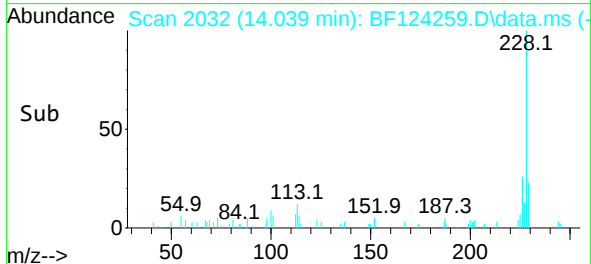
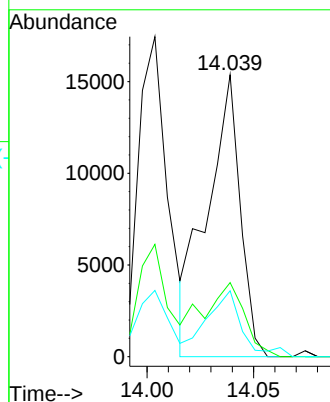
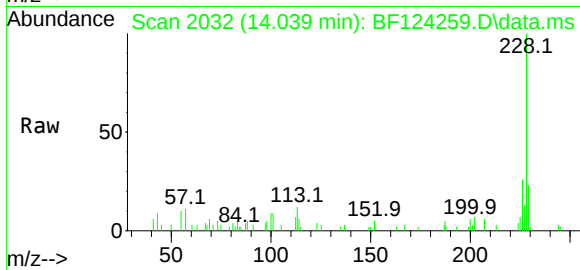
Tgt Ion:228 Resp: 16665

Ion Ratio Lower Upper

228 100

226 26.3 24.3 36.5

229 23.4 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF124259.D

Acq: 11 Jun 2021 14:11

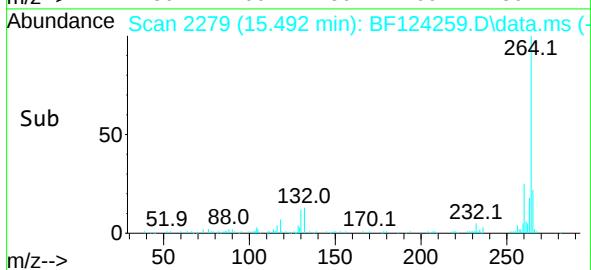
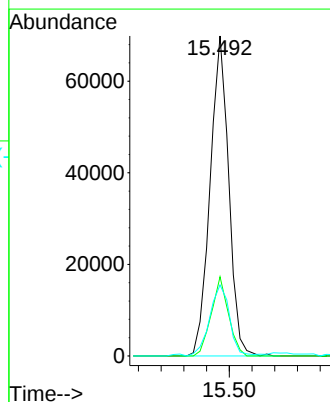
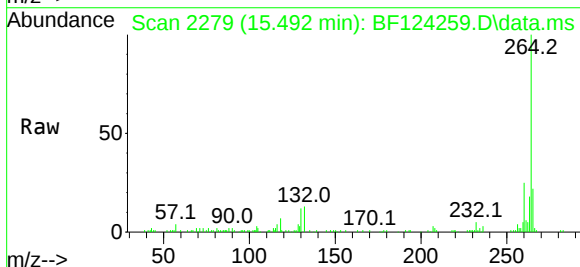
Tgt Ion:264 Resp: 79412

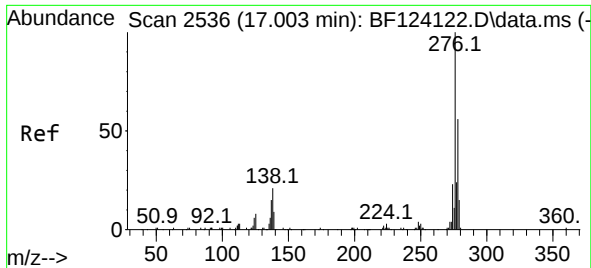
Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

265 22.2 17.8 26.8

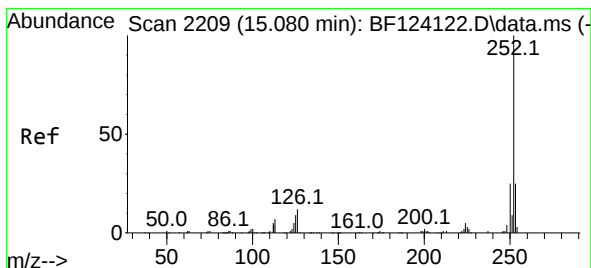
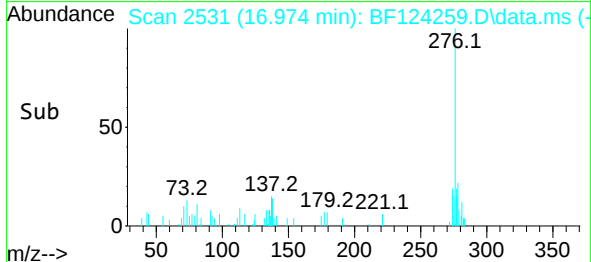
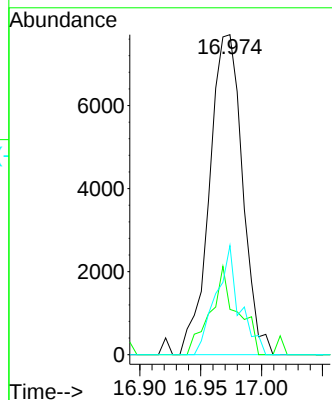
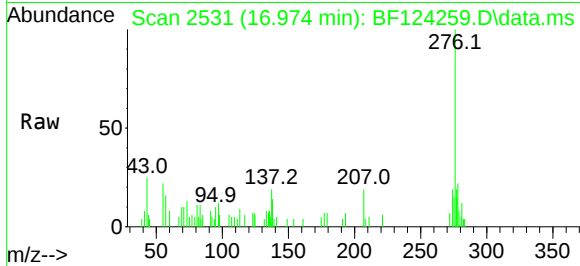




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.331 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

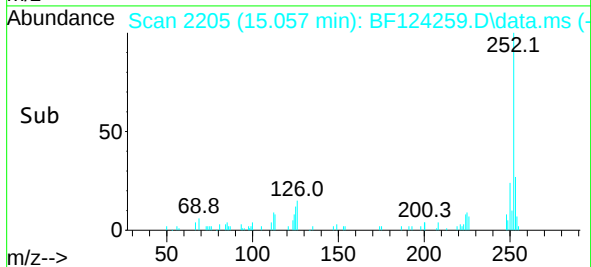
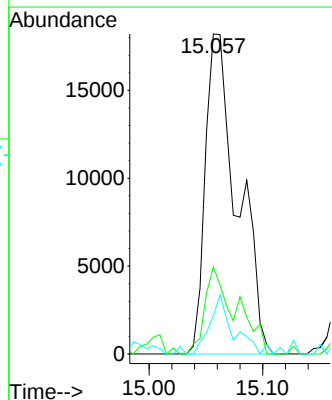
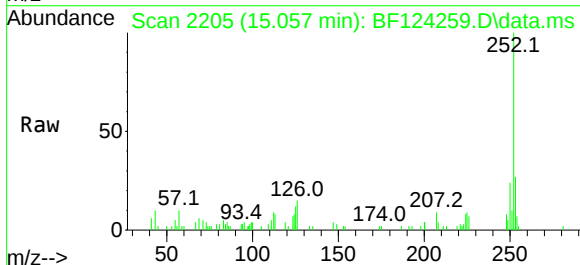
Instrument :
BNA_F
ClientSampleId :
ND-1

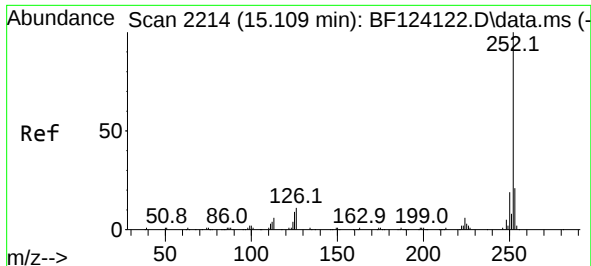
Tgt Ion:	276	Resp:	14504
Ion Ratio	Lower	Upper	
276	100		
138	22.4	16.2	24.2
277	24.7	20.1	30.1



#88
Benzo(b)fluoranthene
Concen: 5.776 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion:	252	Resp:	35629
Ion Ratio	Lower	Upper	
252	100		
253	27.2	18.1	27.1#
125	11.9	6.2	9.4#





#89

Benzo(k)fluoranthene

Concen: 6.101 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF124259.D

Acq: 11 Jun 2021 14:11

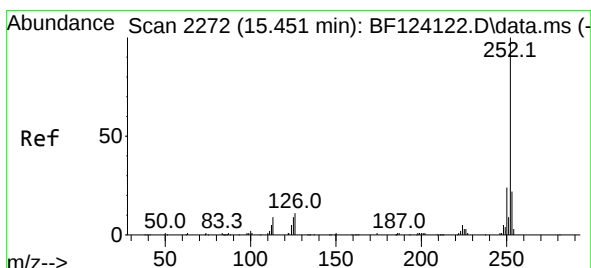
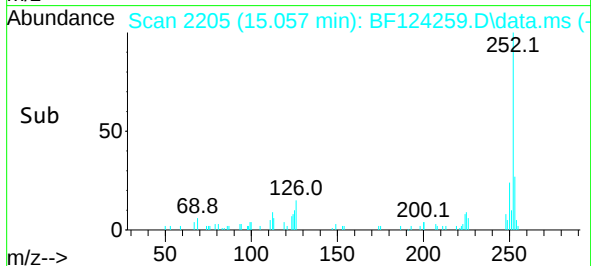
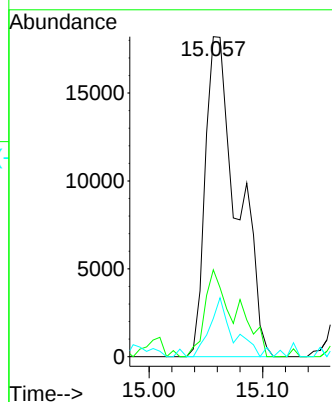
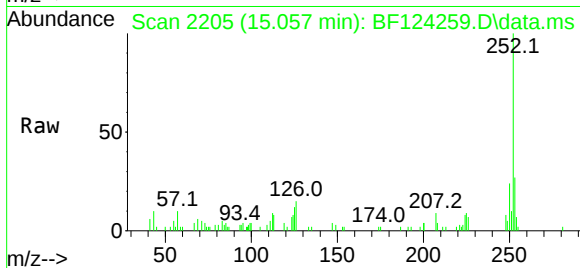
Tgt Ion:252	Resp:	35629
Ion Ratio	Lower	Upper
252	100	
253	27.2	17.9 26.9#
125	11.9	7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

ND-1



#90

Benzo(a)pyrene

Concen: 2.858 ng

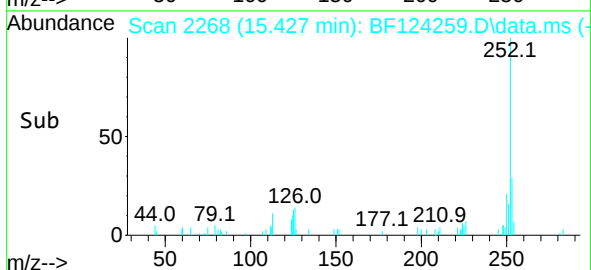
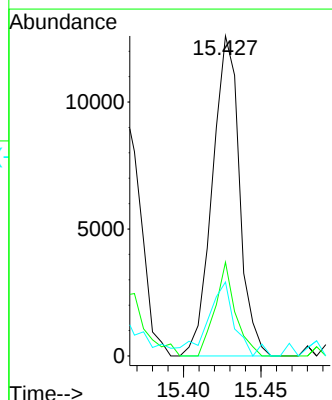
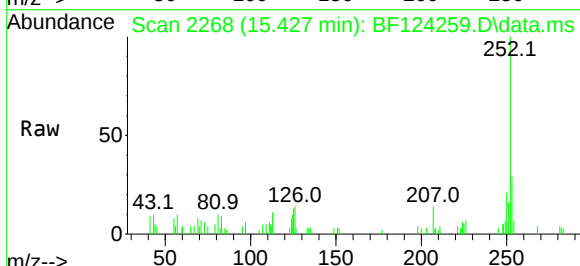
RT: 15.427 min Scan# 2268

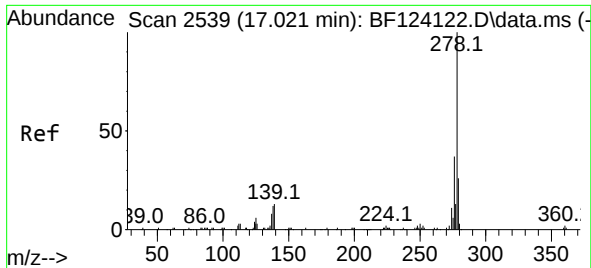
Delta R.T. -0.006 min

Lab File: BF124259.D

Acq: 11 Jun 2021 14:11

Tgt Ion:252	Resp:	15311
Ion Ratio	Lower	Upper
252	100	
253	29.3	18.4 27.6#
125	23.1	8.0 12.0#

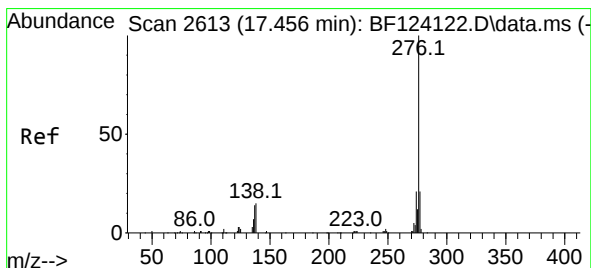
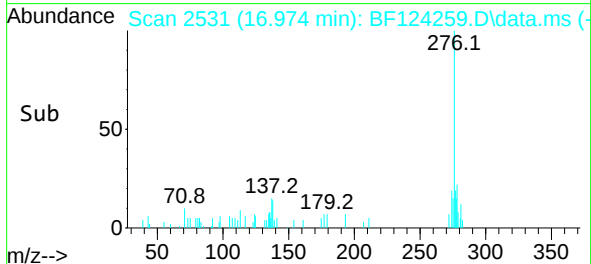
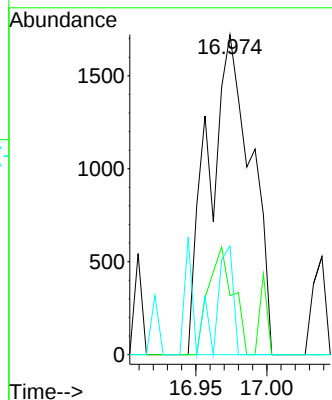
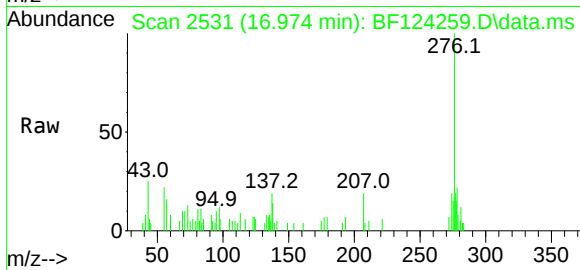




#91
Dibenzo(a,h)anthracene
Concen: 4.758 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Instrument :
BNA_F
ClientSampleId :
ND-1

Tgt Ion:278 Resp: 3600
Ion Ratio Lower Upper
278 100
139 18.4 10.2 15.2#
279 33.9 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 5.802 ng
RT: 17.415 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF124259.D
Acq: 11 Jun 2021 14:11

Tgt Ion:276 Resp: 12061
Ion Ratio Lower Upper
276 100
277 18.2 18.2 27.2
138 29.8 13.8 20.6#

