

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061721\
 Data File : BF124362.D
 Acq On : 17 Jun 2021 14:39
 Operator : JU/CG
 Sample : M2734-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWSP

Quant Time: Jun 17 15:06:33 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

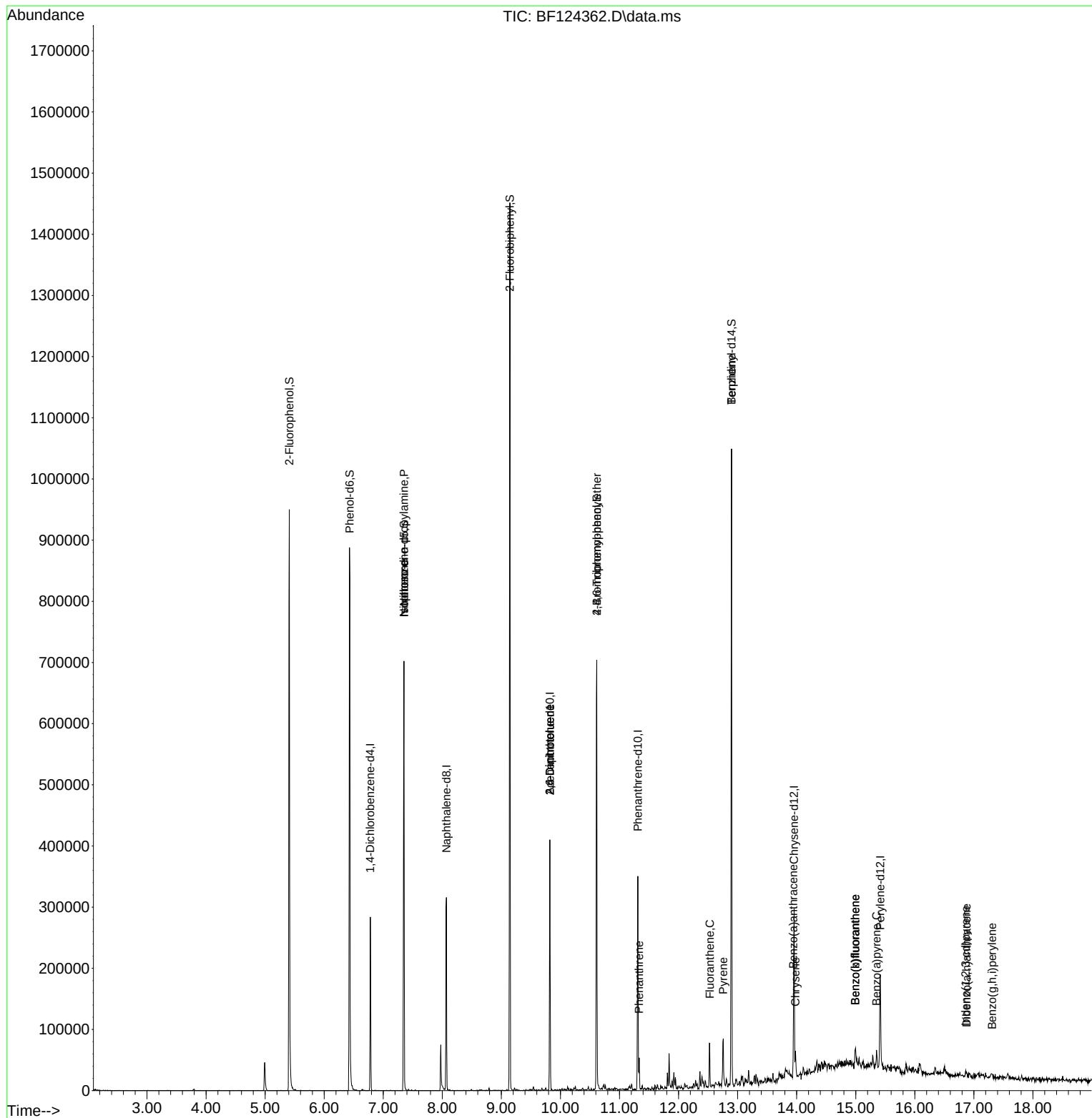
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	34045	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	123383	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	67558	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	101925	20.000	ng	0.00
76) Chrysene-d12	13.957	240	81125	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	58992	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	218842	96.764	ng	0.00
7) Phenol-d6	6.434	99	263032	86.525	ng	-0.01
23) Nitrobenzene-d5	7.351	82	195424	62.819	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	73373	76.659	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	355549	66.226	ng	0.00
79) Terphenyl-d14	12.898	244	293693	49.705	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	28370	13.220	ng	# 58
25) Isophorone	7.351	82	195421	34.860	ng	# 69
51) 2,6-Dinitrotoluene	9.822	165	8476	6.614	ng	# 12
57) 2,4-Dinitrotoluene	9.822	165	8476	5.015	ng	# 17
67) 4-Bromophenyl-phenylether	10.616	248	4596	3.285	ng	# 1
71) Phenanthrene	11.333	178	15248	2.395	ng	# 87
75) Fluoranthene	12.527	202	26550	3.973	ng	95
77) Benzidine	12.898	184	5082	6.521	ng	# 82
78) Pyrene	12.757	202	31588	4.055	ng	97
81) Benzo(a)anthracene	13.945	228	16333	2.764	ng	97
83) Chrysene	13.980	228	13572	2.380	ng	98
87) Indeno(1,2,3-cd)pyrene	16.862	276	3740	5.028	ng	# 78
88) Benzo(b)fluoranthene	14.992	252	17143	3.741	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	17143	3.952	ng	# 96
90) Benzo(a)pyrene	15.351	252	9568	2.404	ng	# 86
91) Dibenzo(a,h)anthracene	16.874	278	1780	4.563	ng	# 57
92) Benzo(g,h,i)perylene	17.309	276	4560	4.822	ng	# 78

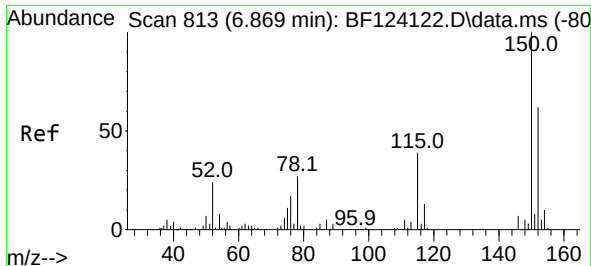
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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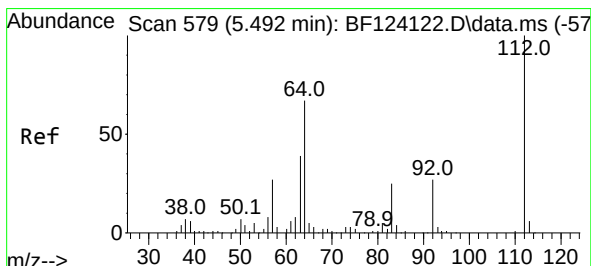
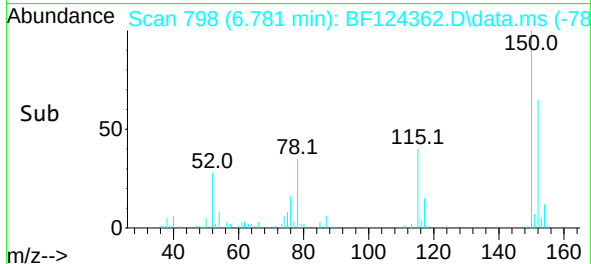
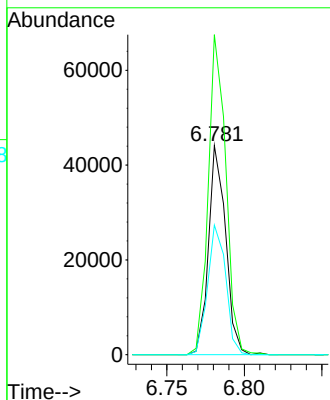
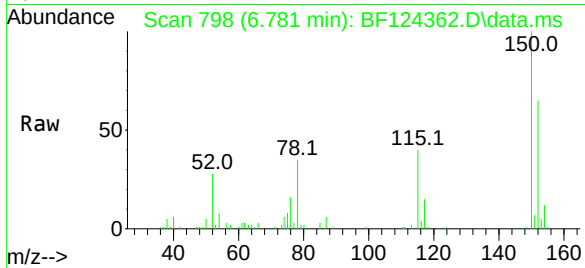




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

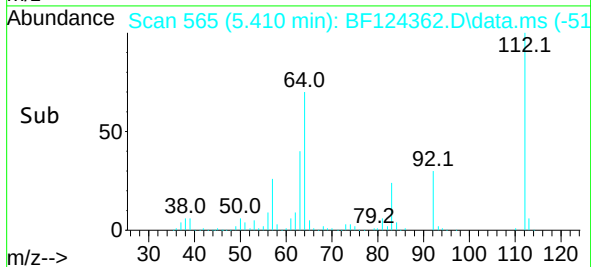
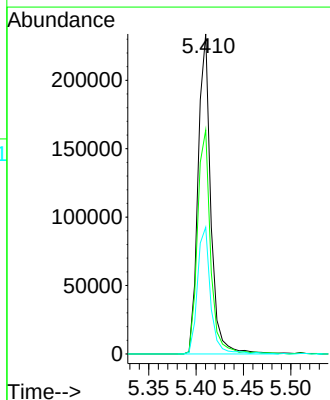
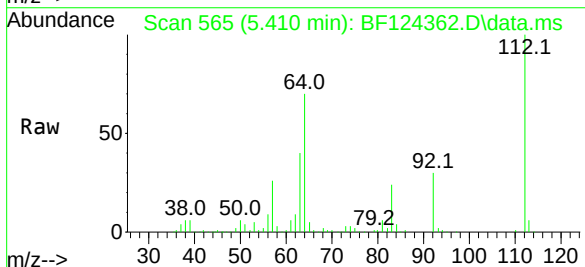
Instrument :
BNA_F
ClientSampleId :
CWSP

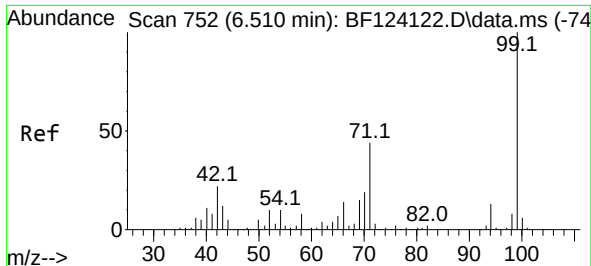
Tgt Ion:152 Resp: 34045
Ion Ratio Lower Upper
152 100
150 153.1 127.0 190.6
115 62.0 54.3 81.5



#5
2-Fluorophenol
Concen: 96.764 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion:112 Resp: 218842
Ion Ratio Lower Upper
112 100
64 70.0 61.4 92.0
63 39.6 33.0 49.4

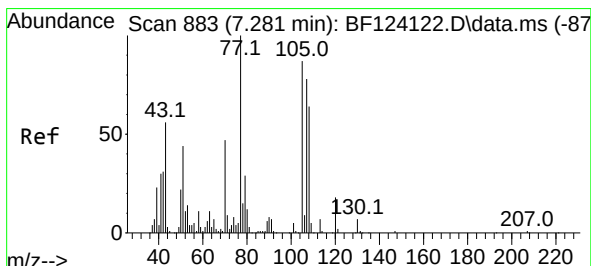
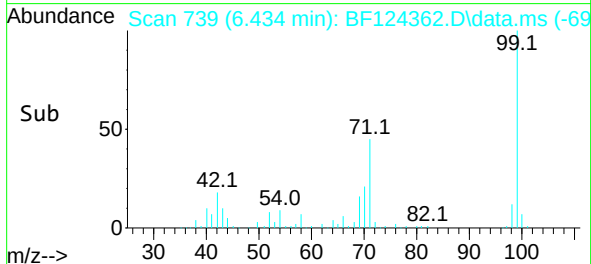
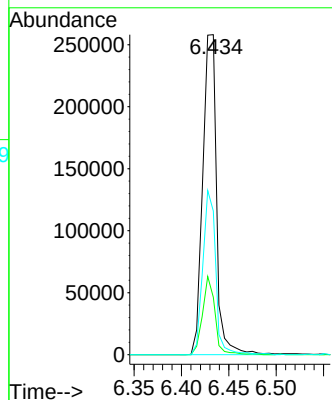
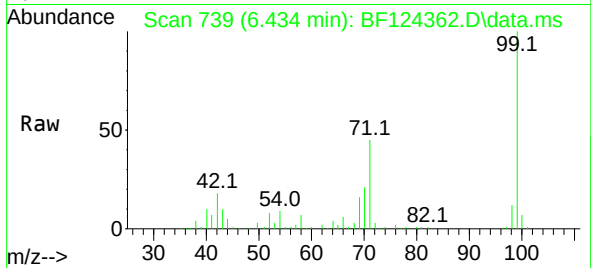




#7
Phenol-d6
Concen: 86.525 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

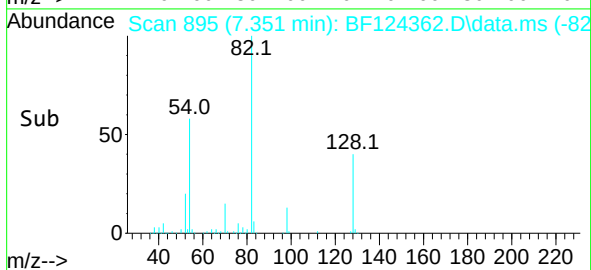
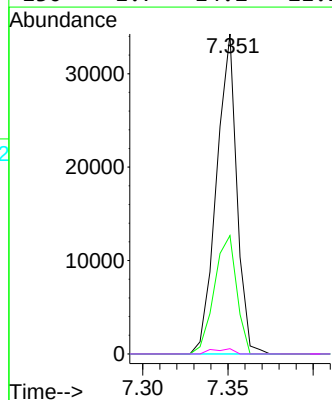
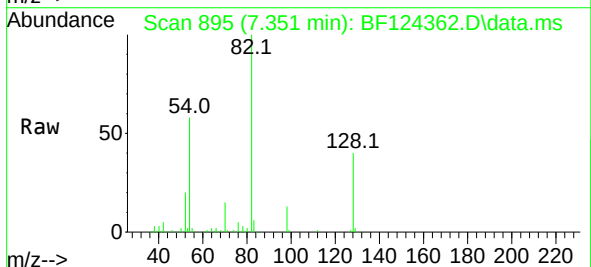
Instrument :
BNA_F
ClientSampleId :
CWSP

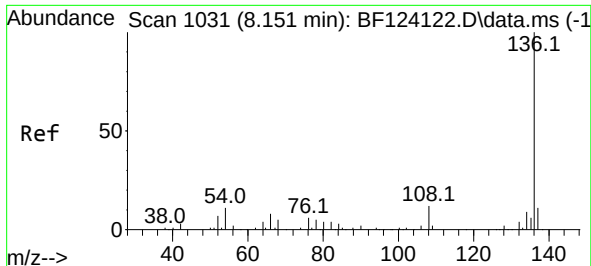
Tgt Ion: 99 Resp: 263032
Ion Ratio Lower Upper
99 100
42 17.9 19.8 29.8#
71 44.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.220 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

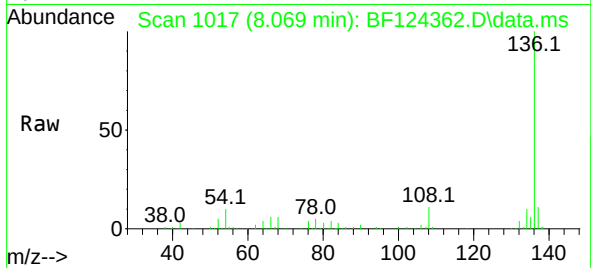
Tgt Ion: 70 Resp: 28370
Ion Ratio Lower Upper
70 100
42 37.0 60.1 90.1#
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#



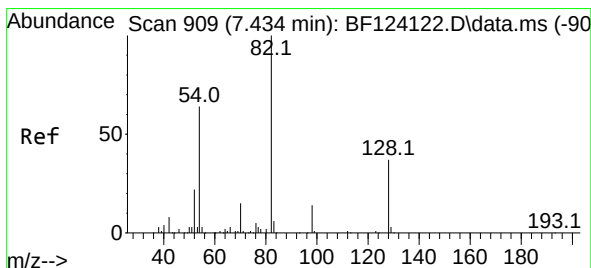
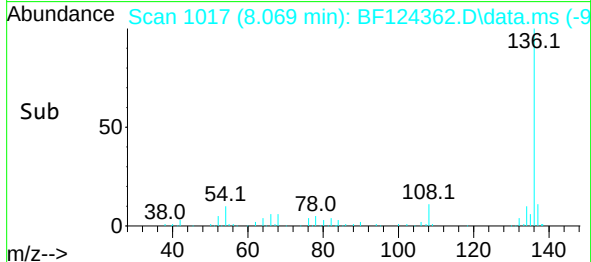
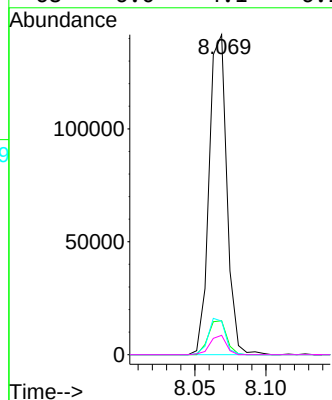


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Instrument :
BNA_F
ClientSampled :
CWSP

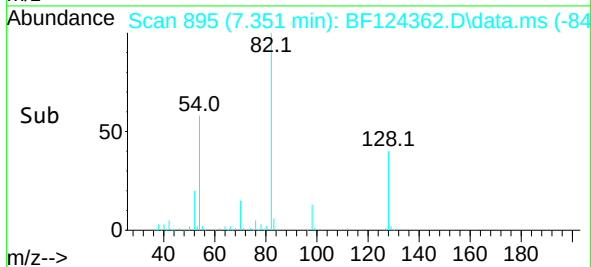
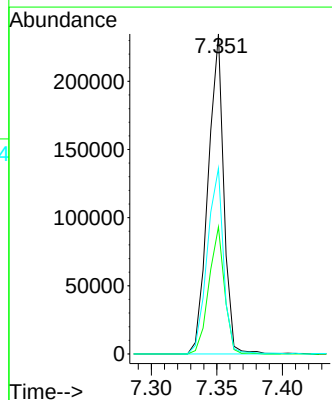
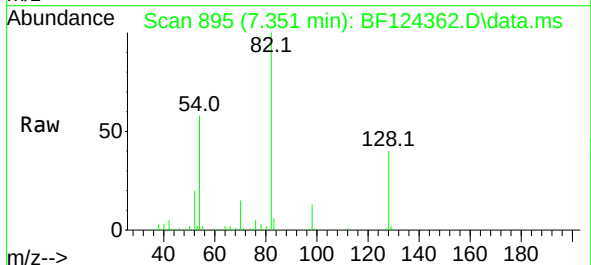


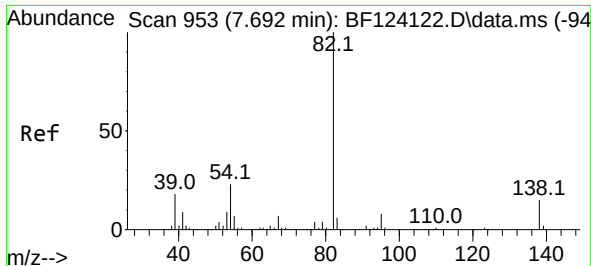
Tgt Ion:	136	Resp:	123383
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	10.5	9.8	14.6
68	6.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 62.819 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion:	82	Resp:	195424
Ion Ratio	Lower	Upper	
82	100		
128	39.7	29.4	44.2
54	58.0	54.1	81.1

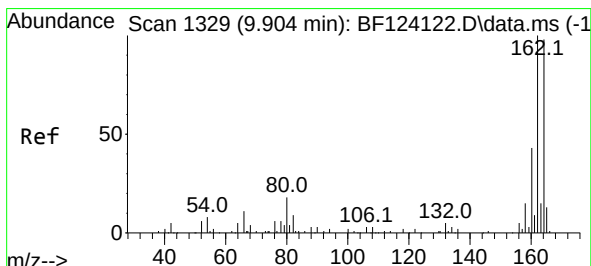
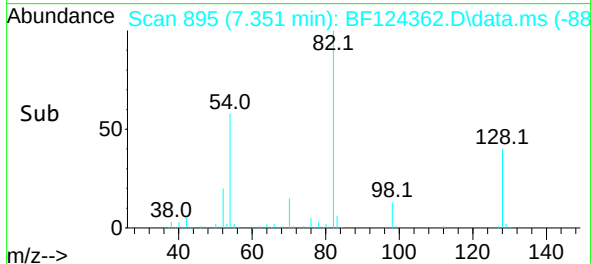
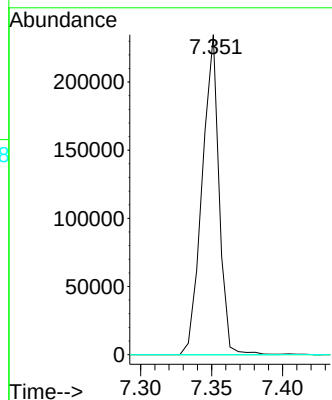
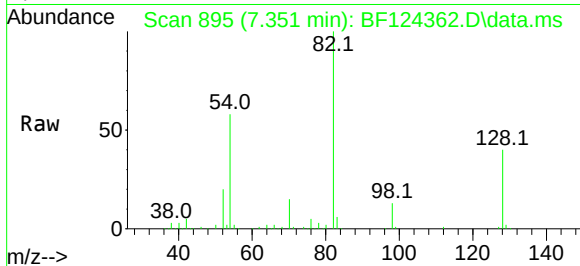




#25
Isophorone
Concen: 34.860 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

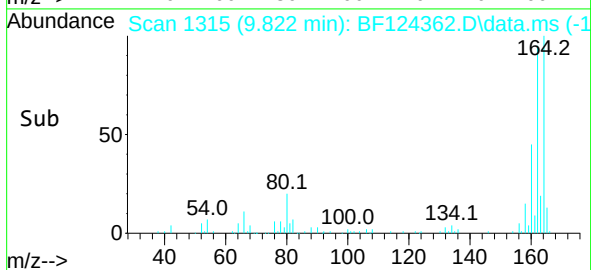
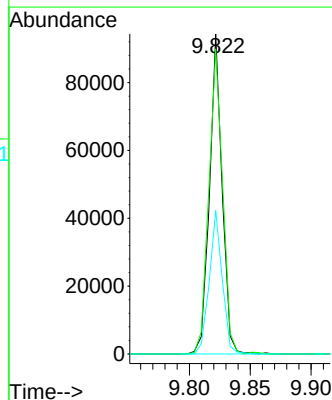
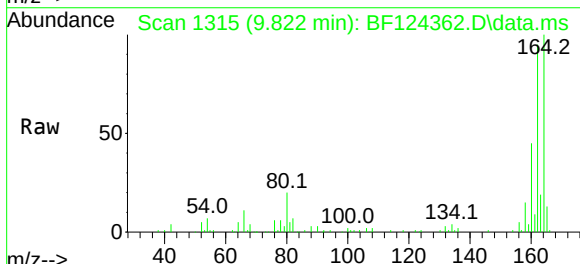
Instrument :
BNA_F
ClientSampleId :
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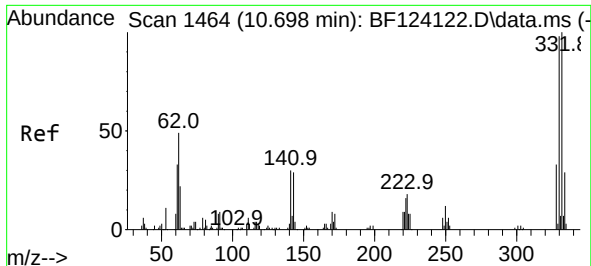
Tgt Ion: 82 Resp: 195421
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion: 164 Resp: 67558
Ion Ratio Lower Upper
164 100
162 95.2 80.7 121.1
160 44.8 37.3 55.9

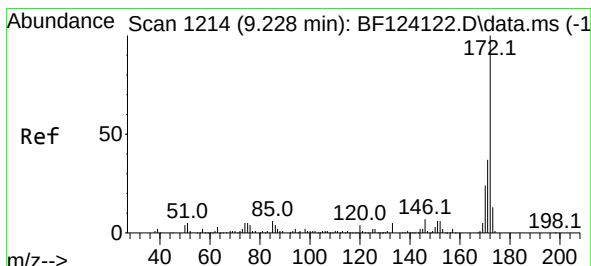
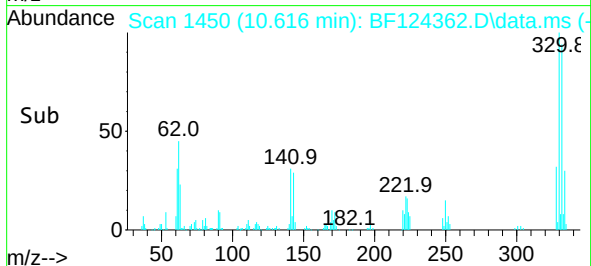
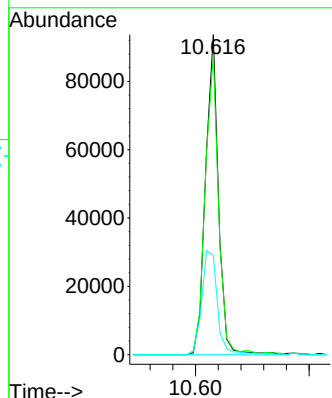
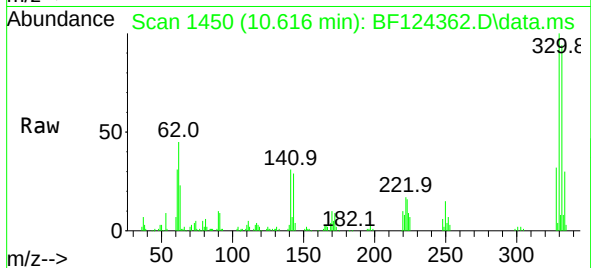




#42
2,4,6-Tribromophenol
Concen: 76.659 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

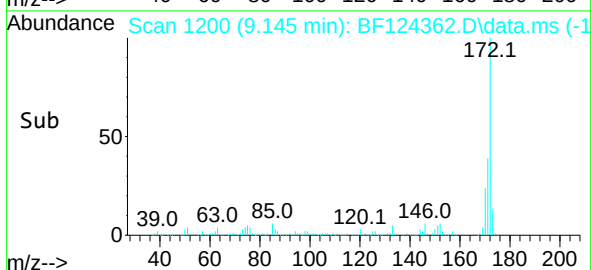
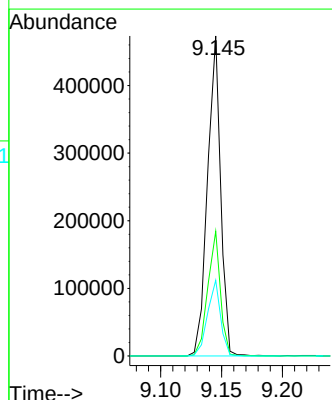
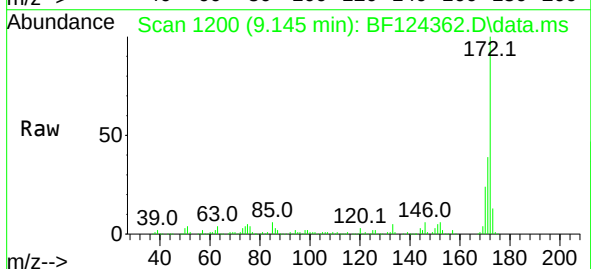
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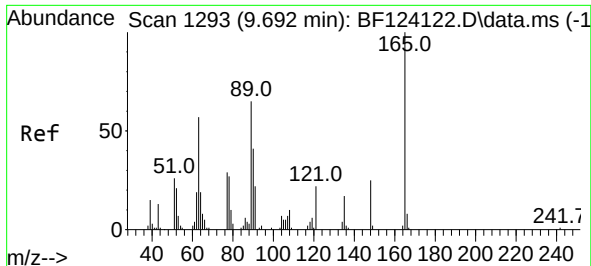
Tgt Ion: 330 Resp: 73373
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 39.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 66.226 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion: 172 Resp: 355549
Ion Ratio Lower Upper
172 100
171 38.9 28.1 42.1
170 23.7 19.2 28.8

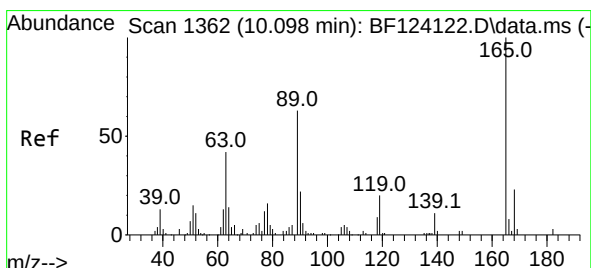
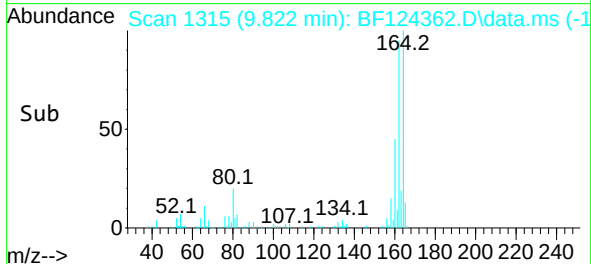
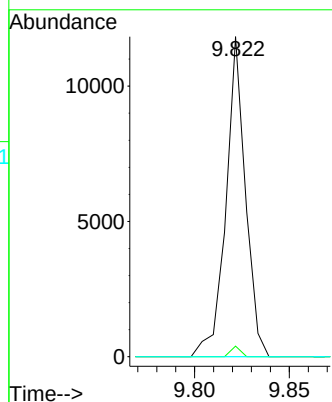
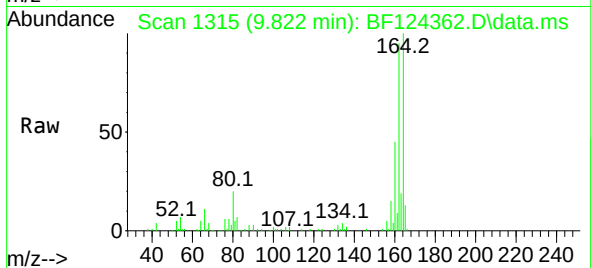




#51
2,6-Dinitrotoluene
Concen: 6.614 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

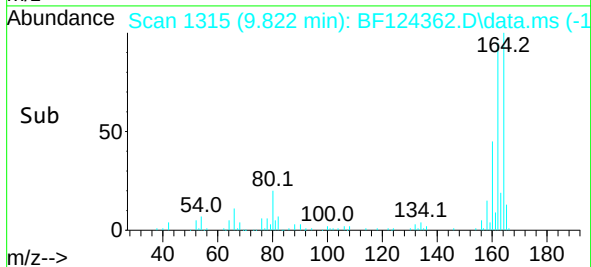
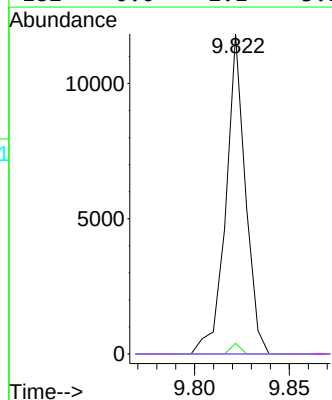
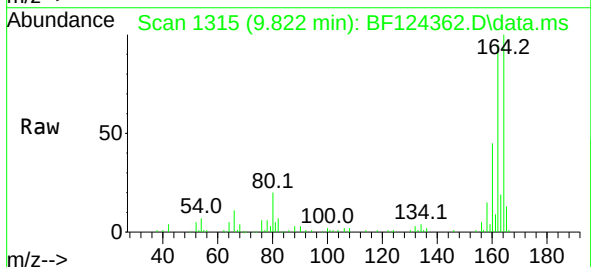
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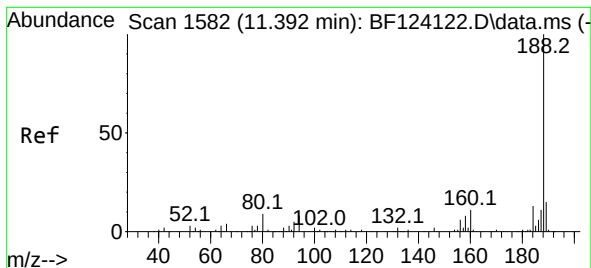
Tgt Ion:165 Resp: 8476
Ion Ratio Lower Upper
165 100
63 3.3 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.015 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion:165 Resp: 8476
Ion Ratio Lower Upper
165 100
63 3.3 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

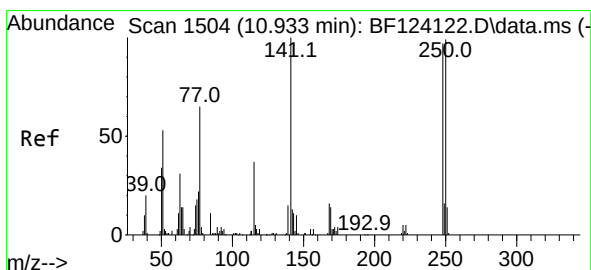
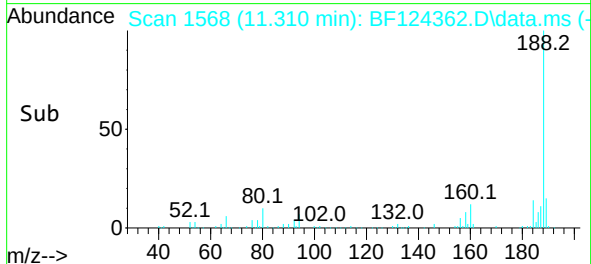
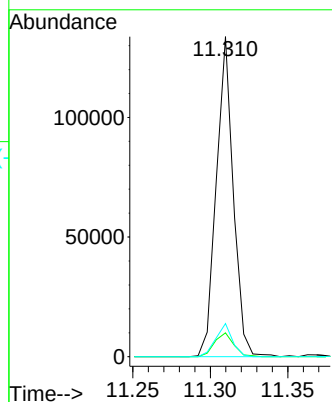
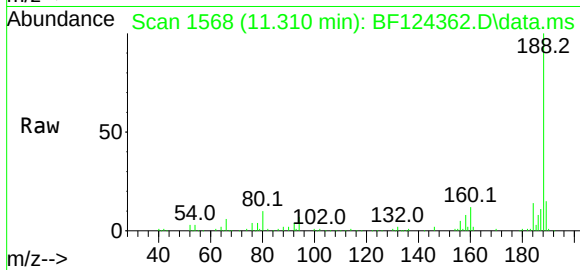




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

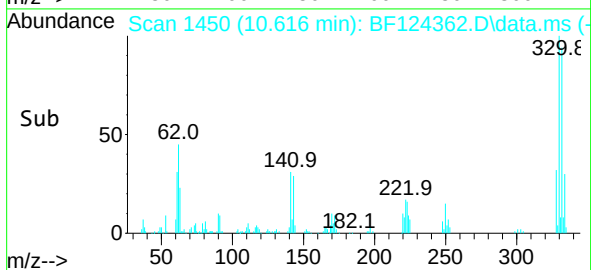
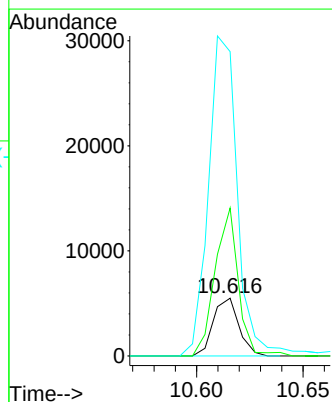
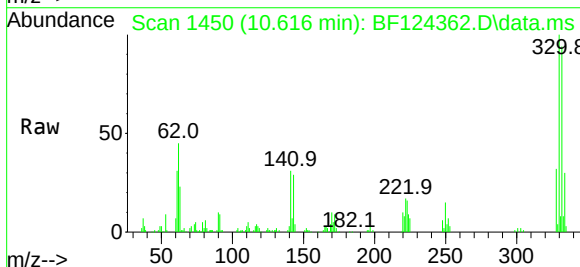
Instrument :
BNA_F
ClientSampleId :
CWSP

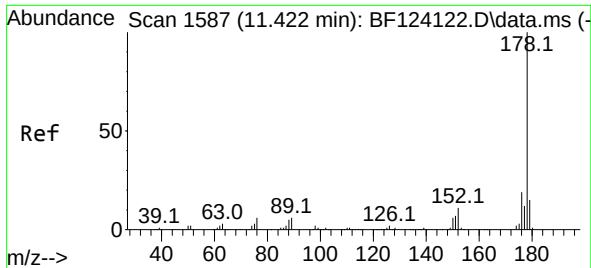
Tgt Ion:188 Resp: 101925
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 10.4 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion:248 Resp: 4596
Ion Ratio Lower Upper
248 100
250 256.3 77.4 116.2#
141 527.1 63.7 95.5#

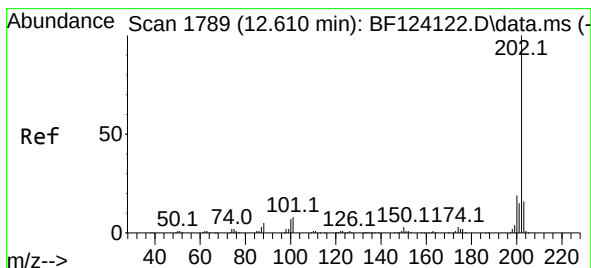
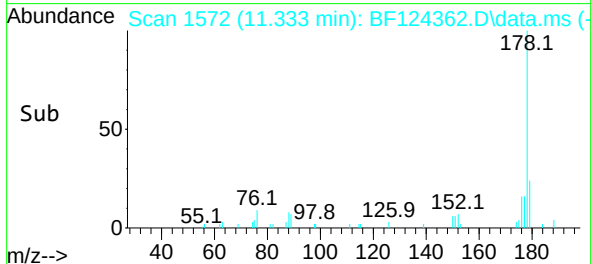
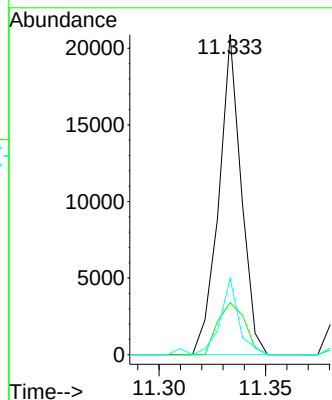
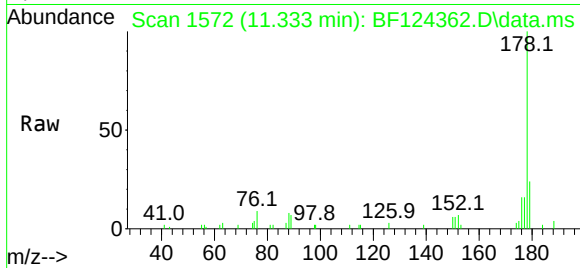




#71
Phenanthrene
Concen: 2.395 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

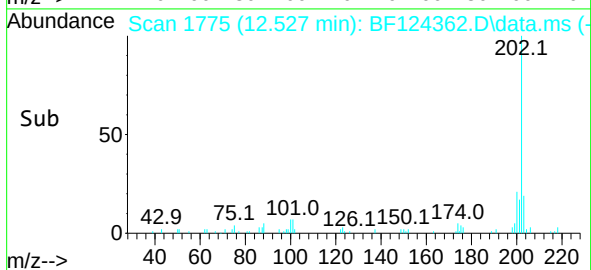
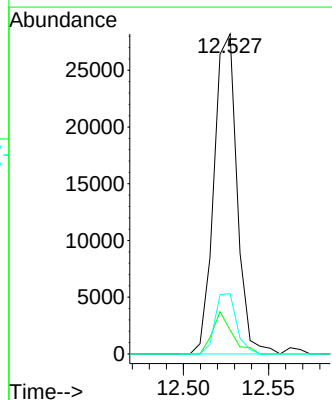
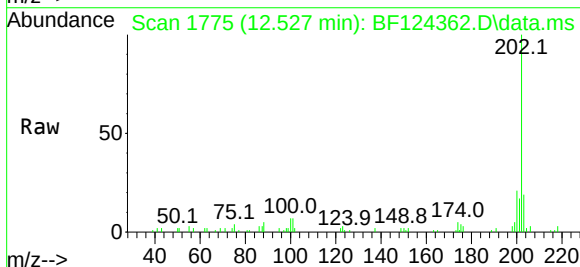
Instrument :
BNA_F
ClientSampleId :
CWSP

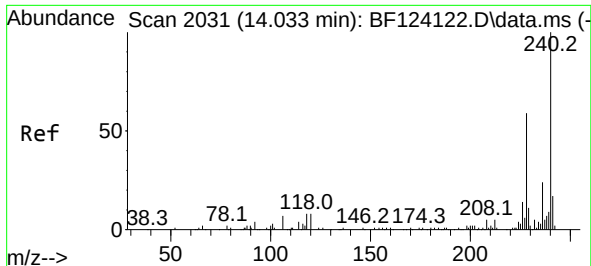
Tgt Ion:178 Resp: 15248
Ion Ratio Lower Upper
178 100
176 16.3 15.6 23.4
179 23.8 12.5 18.7#



#75
Fluoranthene
Concen: 3.973 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

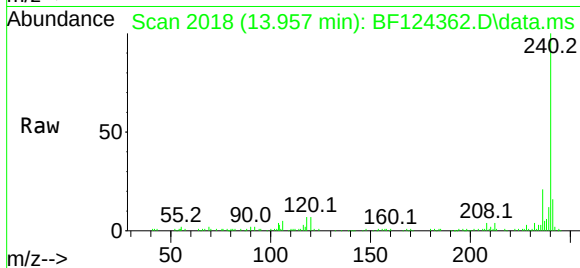
Tgt Ion:202 Resp: 26550
Ion Ratio Lower Upper
202 100
101 7.5 0.0 30.9
203 18.9 0.0 37.5



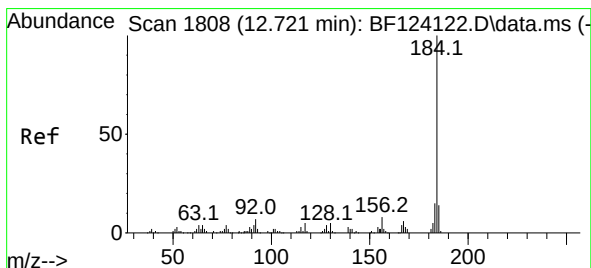
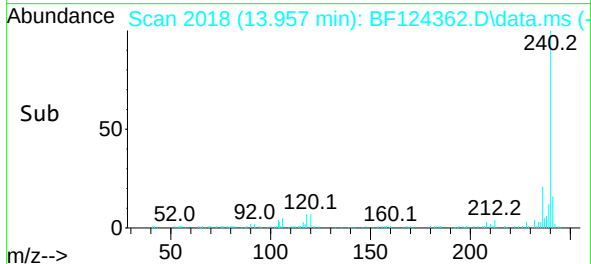
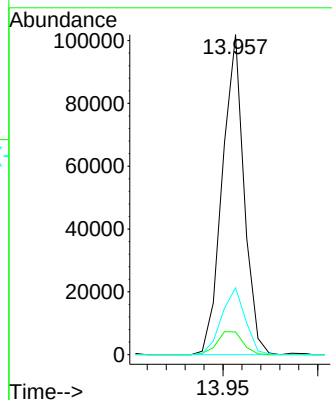


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Instrument :
BNA_F
ClientSampleId :
CWSP

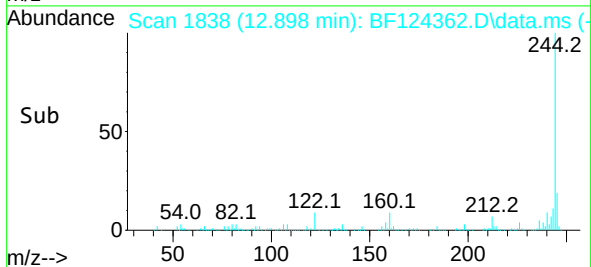
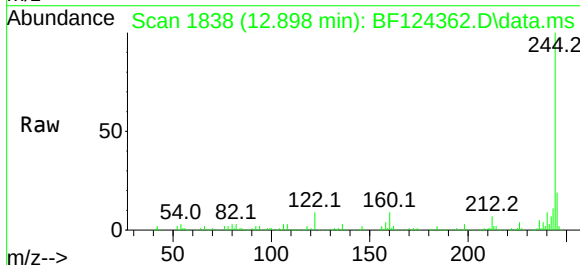
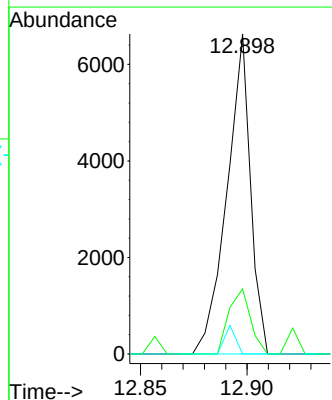


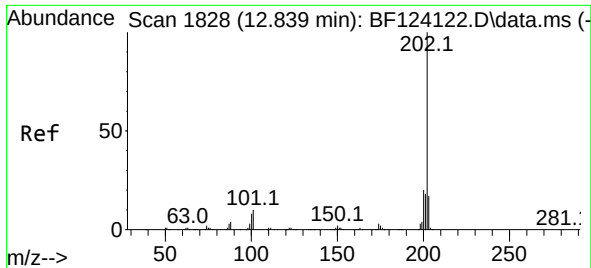
Tgt Ion:240 Resp: 81125
Ion Ratio Lower Upper
240 100
120 7.1 7.2 10.8#
236 20.9 19.0 28.4



#77
Benzidine
Concen: 6.521 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.200 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion:184 Resp: 5082
Ion Ratio Lower Upper
184 100
185 20.4 12.1 18.1#
183 0.0 7.8 11.8#

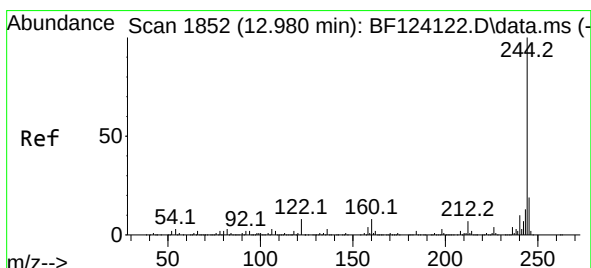
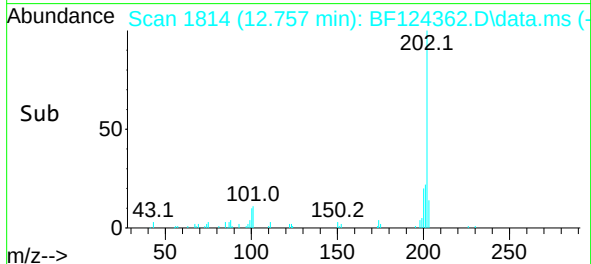
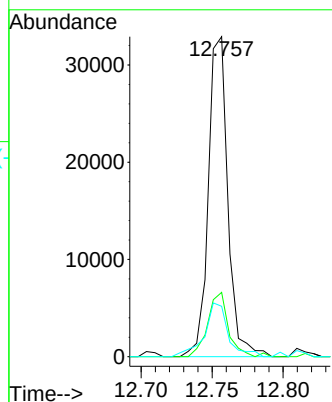
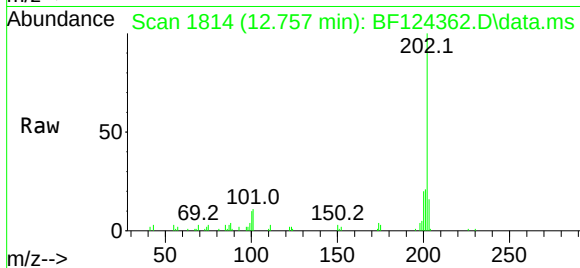




#78
 Pyrene
 Concen: 4.055 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.006 min
 Lab File: BF124362.D
 Acq: 17 Jun 2021 14:39

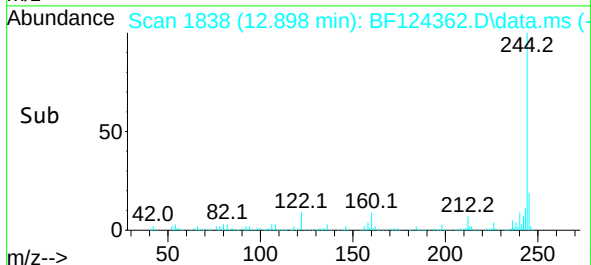
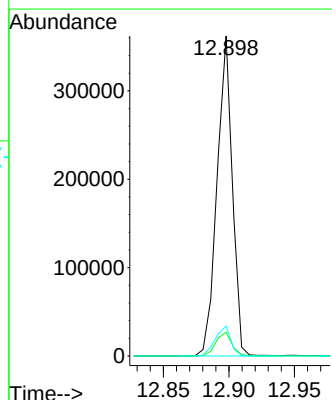
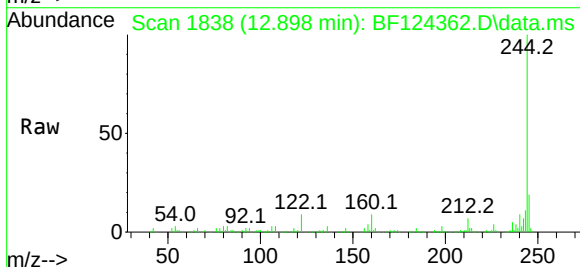
Instrument :
 BNA_F
 ClientSampleId :
 CWSP

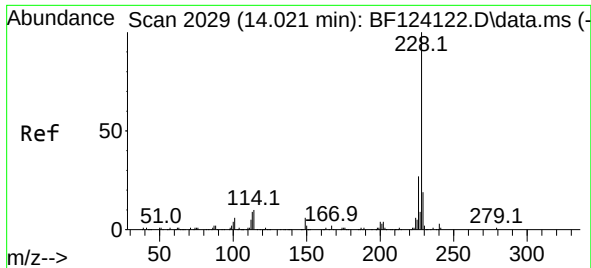
Tgt Ion:202 Resp: 31588
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.1 24.1
 203 15.7 14.8 22.2



#79
 Terphenyl-d14
 Concen: 49.705 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF124362.D
 Acq: 17 Jun 2021 14:39

Tgt Ion:244 Resp: 293693
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 9.4 9.7 14.5#

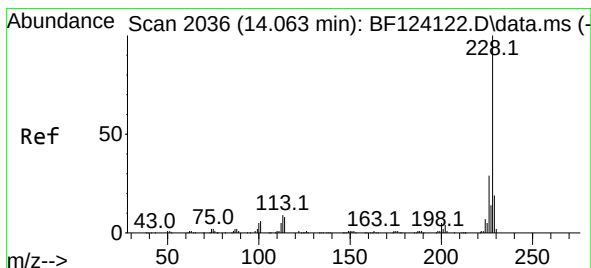
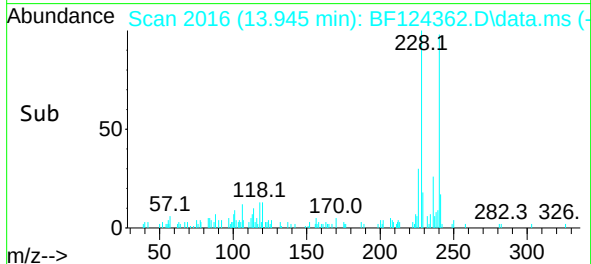
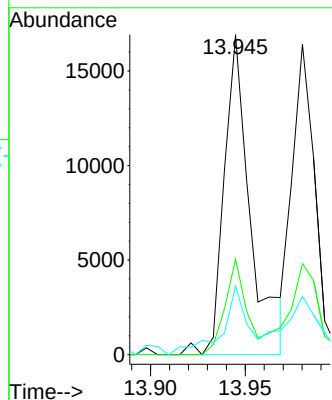
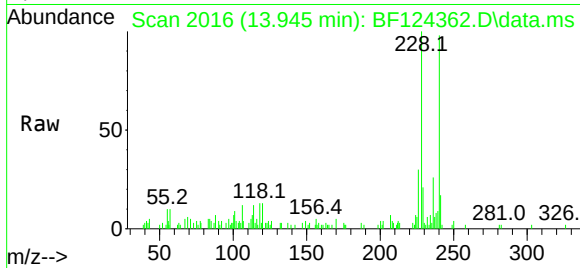




#81
Benzo(a)anthracene
Concen: 2.764 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

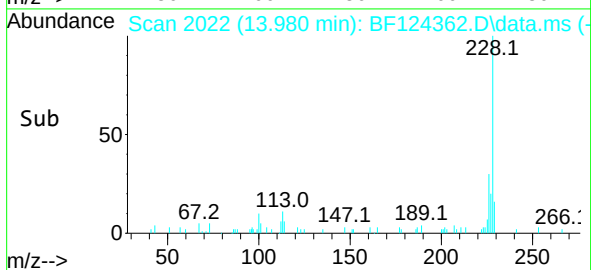
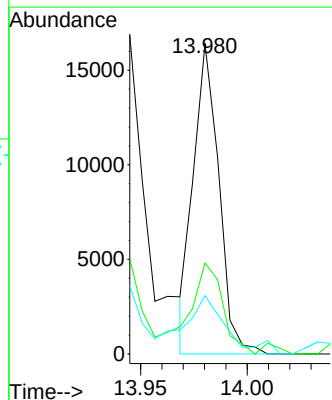
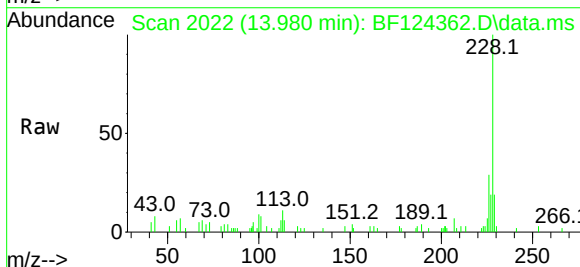
Instrument :
BNA_F
ClientSampleId :
CWSP

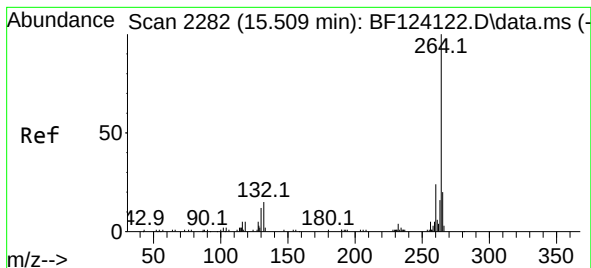
Tgt Ion:228 Resp: 16333
Ion Ratio Lower Upper
228 100
226 29.9 22.4 33.6
229 21.5 16.0 24.0



#83
Chrysene
Concen: 2.380 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion:228 Resp: 13572
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 18.8 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.000 min

Lab File: BF124362.D

Acq: 17 Jun 2021 14:39

Tgt Ion:264 Resp: 58992

Ion Ratio Lower Upper

264 100

260 24.9 18.7 28.1

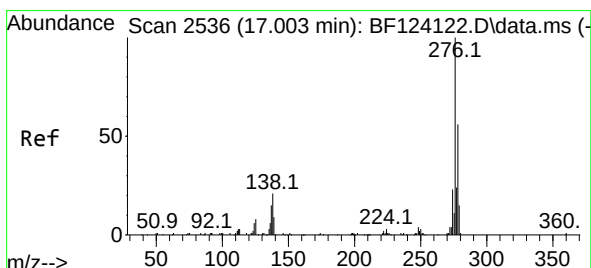
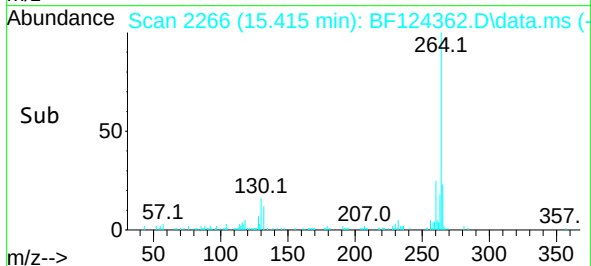
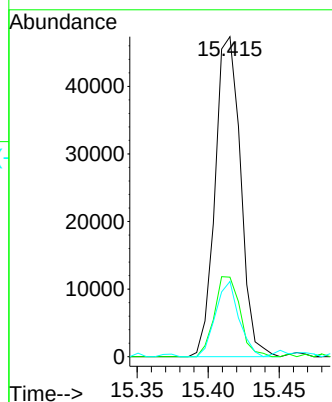
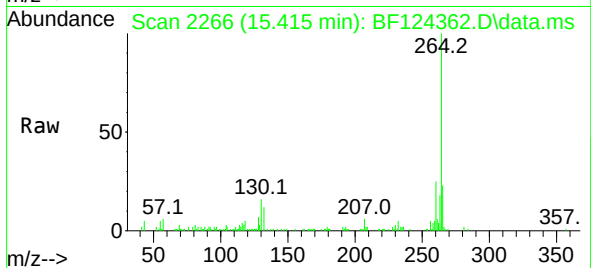
265 23.5 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

CWSP



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.028 ng

RT: 16.862 min Scan# 2512

Delta R.T. -0.012 min

Lab File: BF124362.D

Acq: 17 Jun 2021 14:39

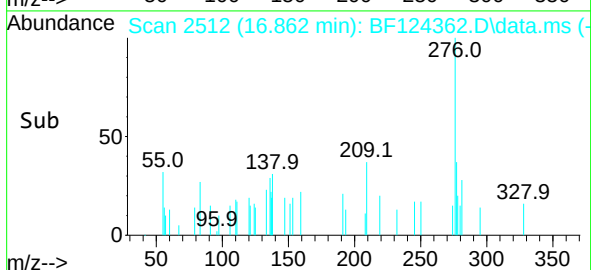
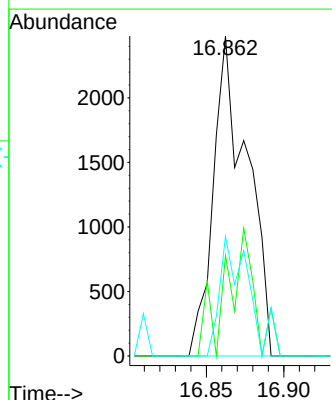
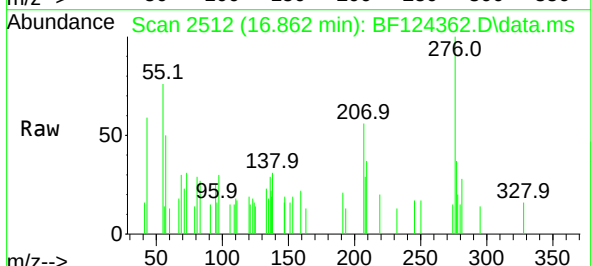
Tgt Ion:276 Resp: 3740

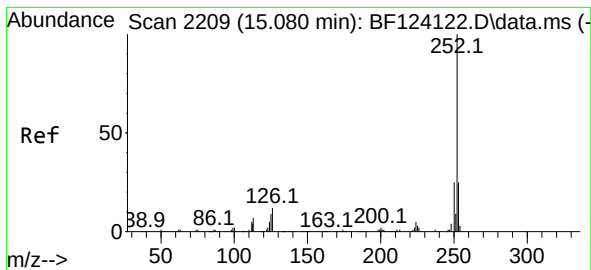
Ion Ratio Lower Upper

276 100

138 34.4 16.2 24.2#

277 32.2 20.1 30.1#





#88

Benzo(b)fluoranthene

Concen: 3.741 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF124362.D

Acq: 17 Jun 2021 14:39

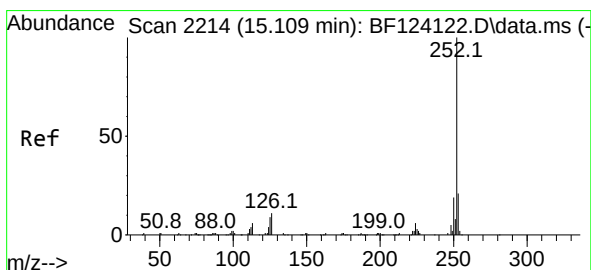
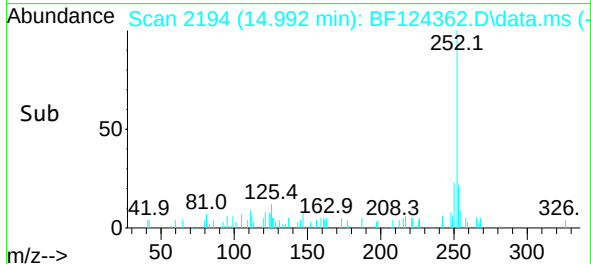
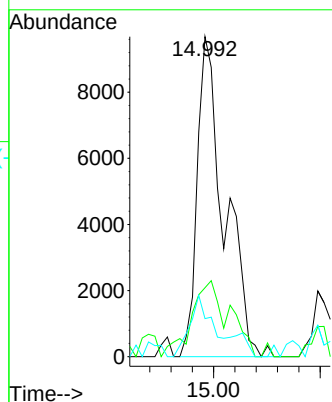
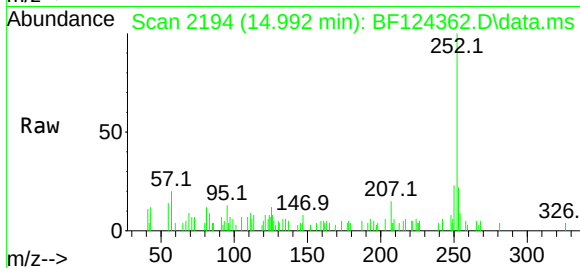
Tgt Ion:	252	Resp:	17143
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.1	27.1
125	11.9	6.2	9.4#

Instrument :

BNA_F

ClientSampleId :

CWSP



#89

Benzo(k)fluoranthene

Concen: 3.952 ng

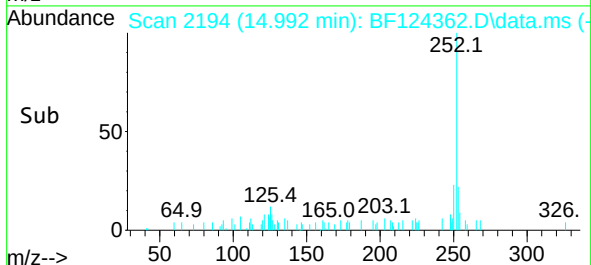
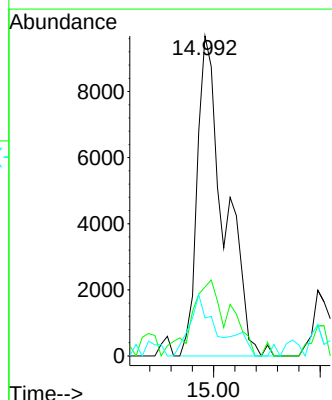
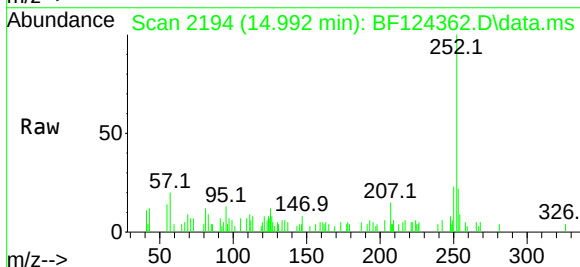
RT: 14.992 min Scan# 2194

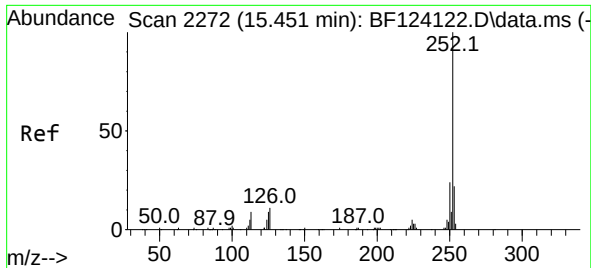
Delta R.T. -0.035 min

Lab File: BF124362.D

Acq: 17 Jun 2021 14:39

Tgt Ion:	252	Resp:	17143
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.9	26.9
125	11.9	7.0	10.6#

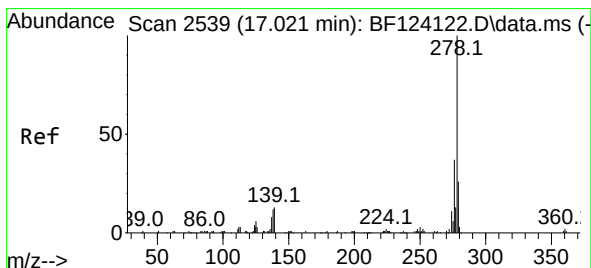
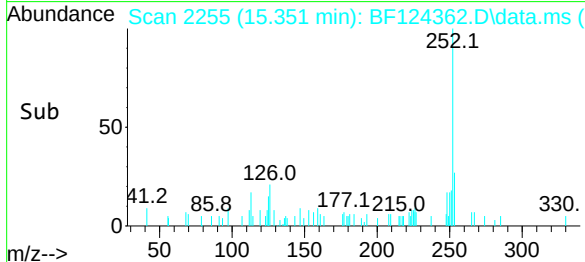
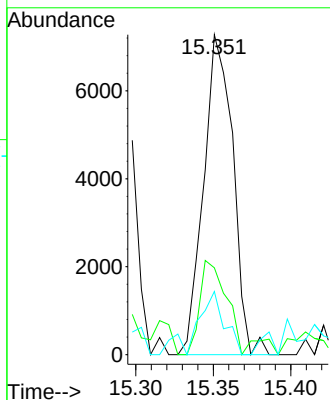
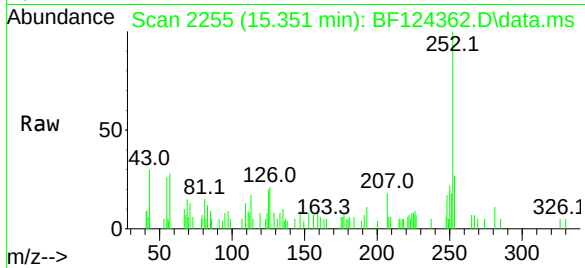




#90
Benzo(a)pyrene
Concen: 2.404 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

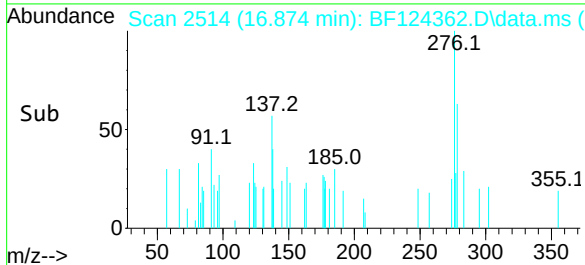
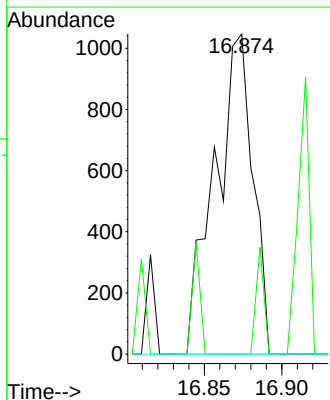
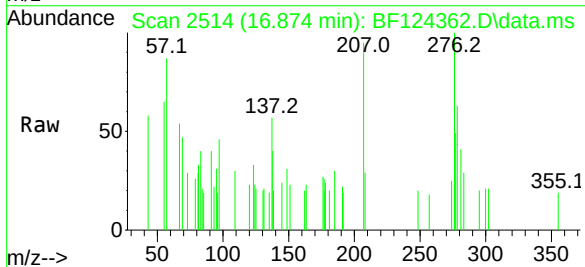
Instrument :
BNA_F
ClientSampleId :
CWSP

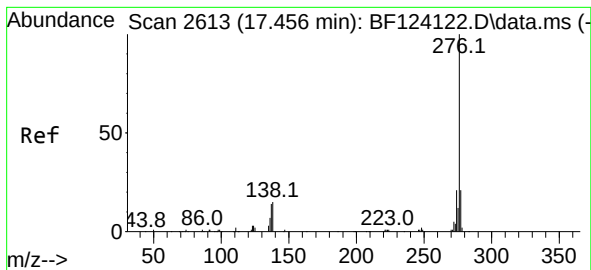
Tgt Ion:252 Resp: 9568
Ion Ratio Lower Upper
252 100
253 27.2 18.4 27.6
125 19.8 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.563 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF124362.D
Acq: 17 Jun 2021 14:39

Tgt Ion:278 Resp: 1780
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 0.0 19.4 29.0#





#92

Benzo(g,h,i)perylene

Concen: 4.822 ng

RT: 17.309 min Scan# 2588

Delta R.T. -0.006 min

Lab File: BF124362.D

Acq: 17 Jun 2021 14:39

Tgt Ion: 276 Resp: 4560

Ion Ratio Lower Upper

276 100

277 13.1 18.2 27.2#

138 28.1 13.8 20.6#

