

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
 Data File : BP003246.D
 Acq On : 09 Sep 2020 18:10
 Operator : CG/JU
 Sample : L3870-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-090820DL

Quant Time: Sep 09 18:41:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	210225	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	861034	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	527591	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1092801	20.00	ng	0.00
76) Chrysene-d12	21.15	240	1009297	20.00	ng	0.00
86) Perylene-d12	23.38	264	1122881	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	396126	33.31	ng	0.00
7) Phenol-d6	6.84	99	478765	32.12	ng	0.00
23) Nitrobenzene-d5	8.79	82	283748	23.76	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	245770	34.44	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	880751	24.45	ng	0.00
79) Terphenyl-d14	19.62	244	1189404	25.93	ng	0.00

Target Compounds

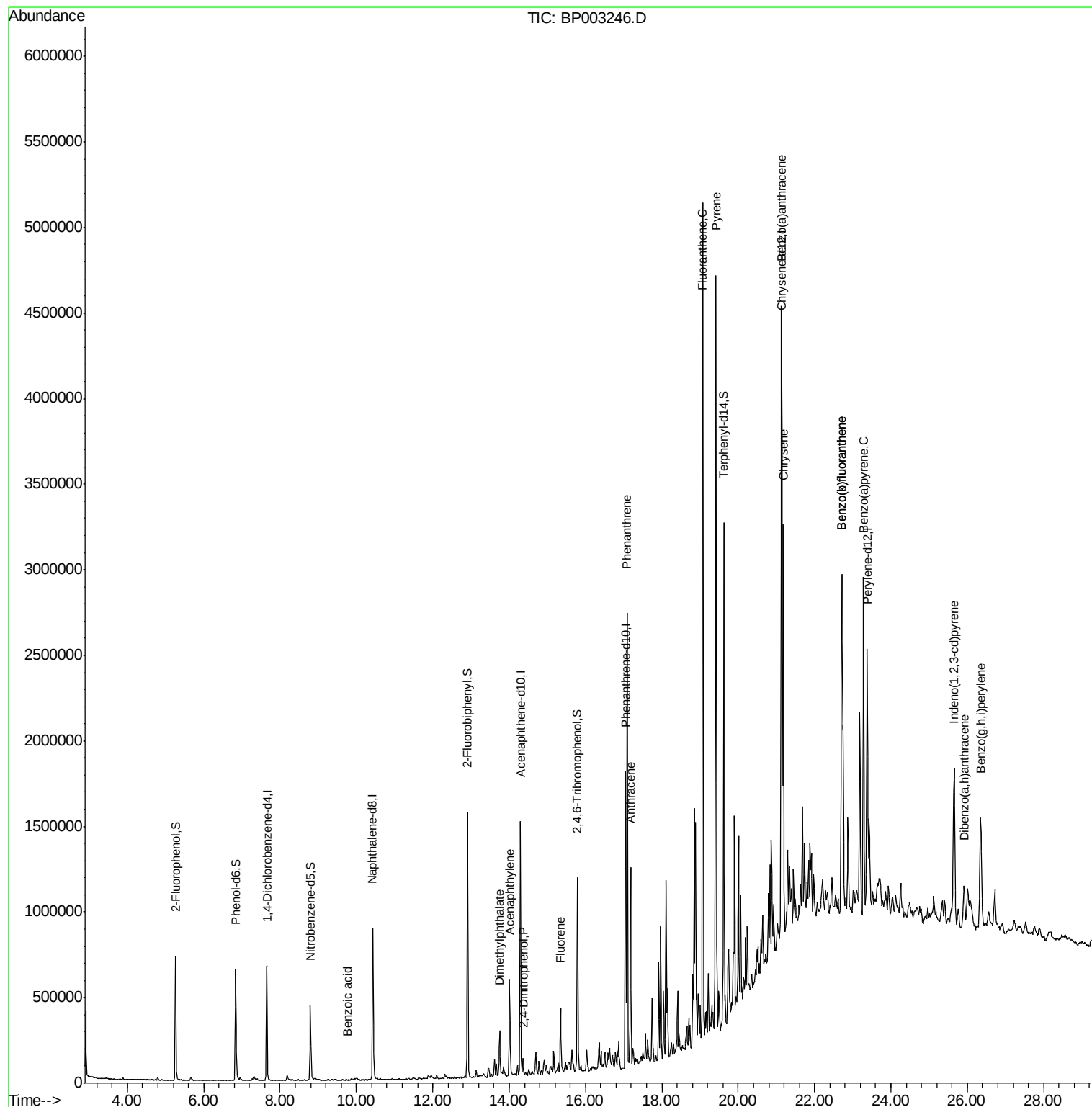
						Qvalue
32) Benzoic acid	9.77	122	103	9.007	ng	# 28
49) Acenaphthylene	14.01	152	487796	9.959	ng	99
50) Dimethylphthalate	13.75	163	145050	3.605	ng	98
54) 2,4-Dinitrophenol	14.39	184	60	7.767	ng	# 1
58) Fluorene	15.35	166	186462	5.122	ng	98
71) Phenanthrene	17.09	178	1694393	28.614	ng	99
72) Anthracene	17.18	178	744026	13.129	ng	99
75) Fluoranthene	19.07	202	2912739	42.560	ng	99
78) Pyrene	19.42	202	2693855	41.124	ng	99
81) Benzo(a)anthracene	21.13	228	1619948	25.624	ng	96
83) Chrysene	21.18	228	1342912	22.185	ng	98
87) Indeno(1,2,3-cd)pyrene	25.65	276	901363	10.764	ng	96
88) Benzo(b)fluoranthene	22.71	252	2420128	34.677	ng	98
89) Benzo(k)fluoranthene	22.71	252	2420128	36.294	ng	98
90) Benzo(a)pyrene	23.28	252	1418553	21.909	ng	97
91) Dibenzo(a,h)anthracene	25.92	278	224156	3.259	ng	93
92) Benzo(g,h,i)perylene	26.35	276	827600	11.988	ng	98

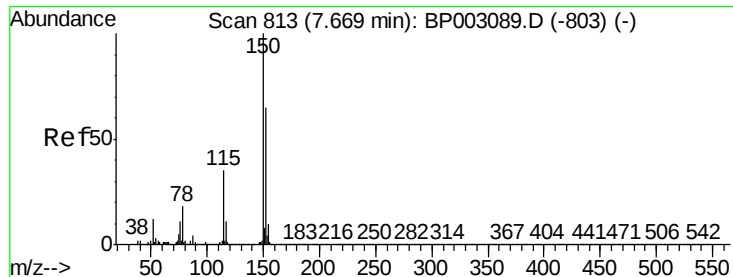
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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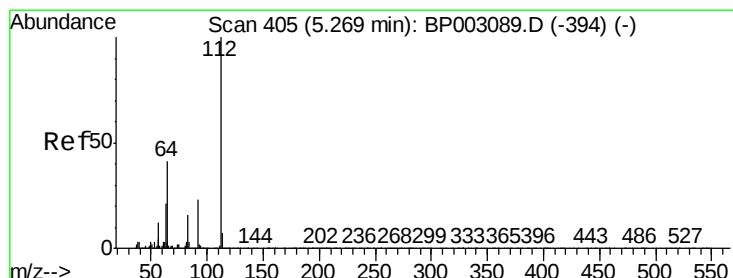
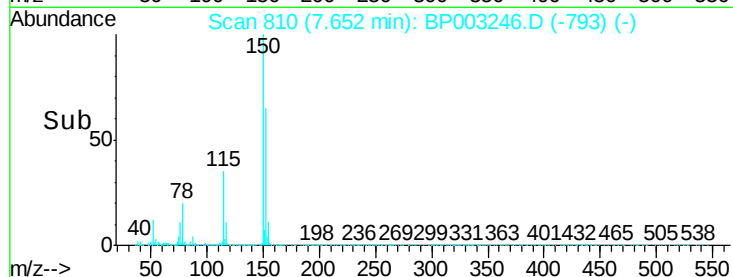
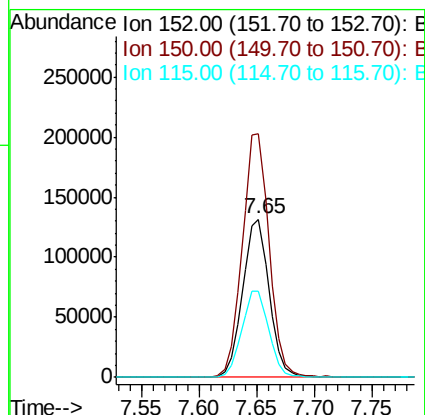
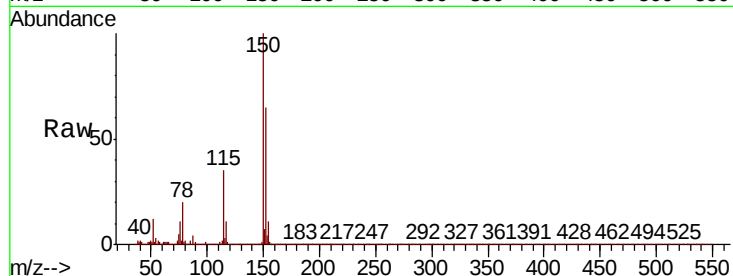


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

Instrument :
BNA_P
ClientSampleId :
SU-04-090820DL

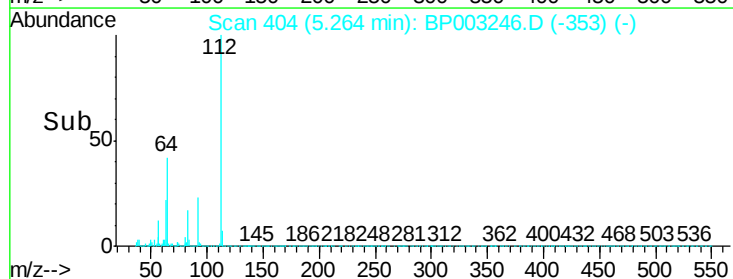
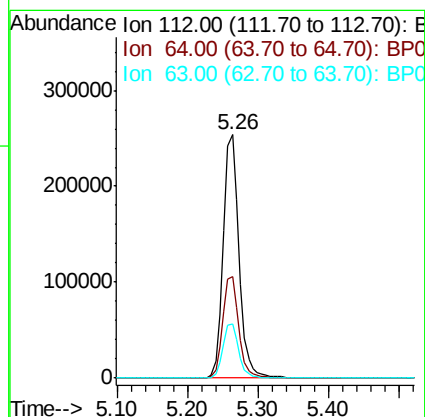
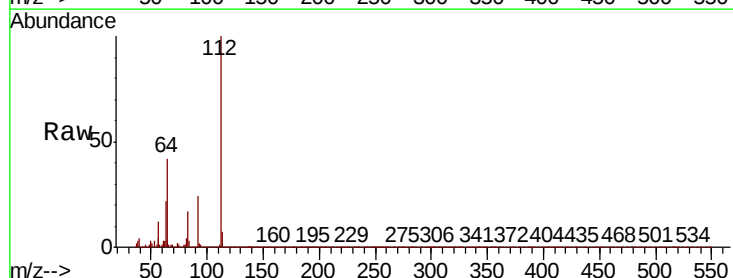
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.8	185.6
115	54.6	43.8	65.6

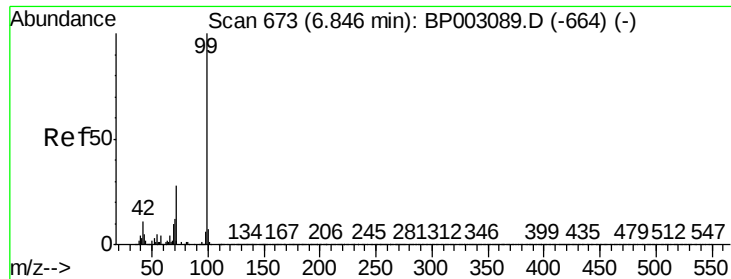


#5

2-Fluorophenol
Concen: 33.315 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.8	32.8	49.2
63	22.1	17.0	25.4





#7

Phenol-d6

Concen: 32.120 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

BNA_P

ClientSampleId :

SU-04-090820DL

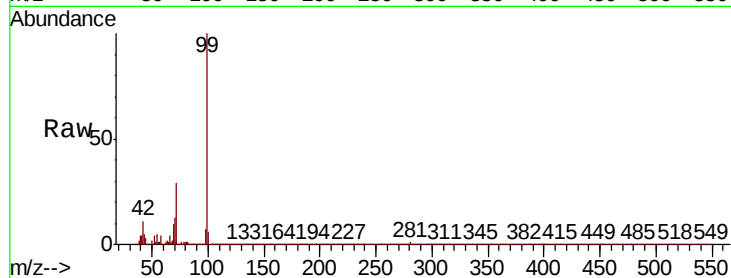
Tot Ion: 99 Resp: 478765

Ion Ratio Lower Upper

99 100

42 11.2 8.6 13.0

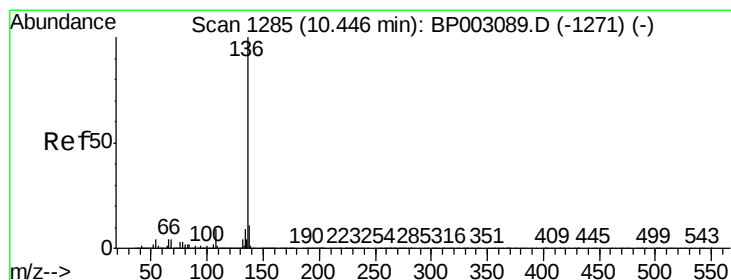
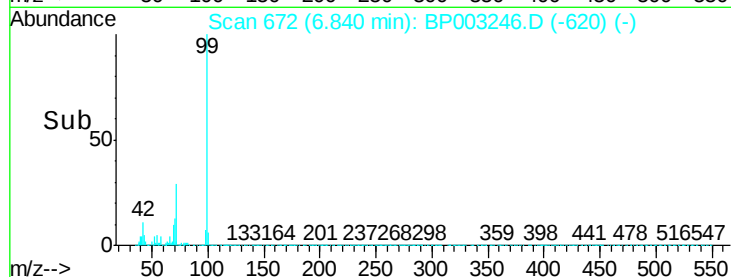
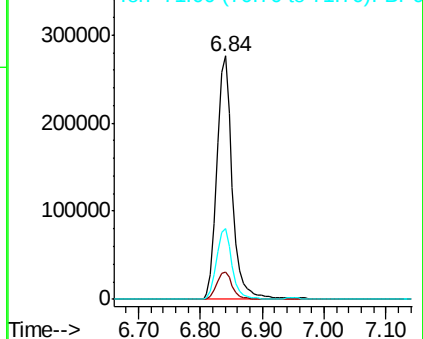
71 28.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Tgt Ion: 136 Resp: 861034

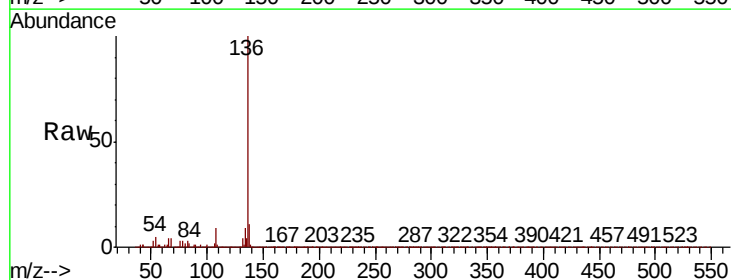
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 4.7 3.6 5.4

68 4.3 3.3 4.9

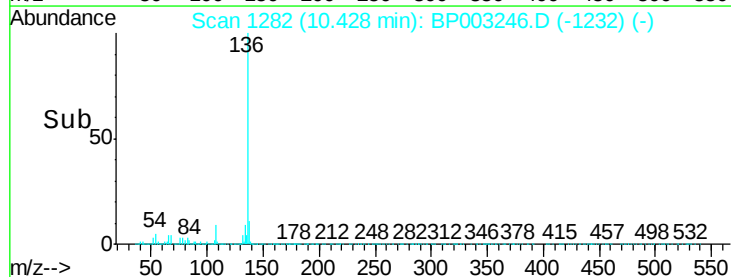
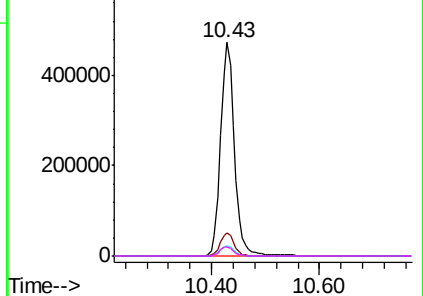


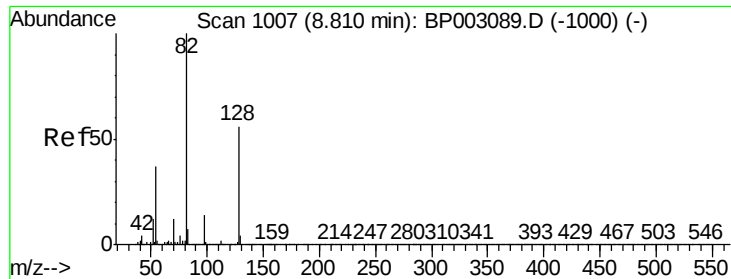
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

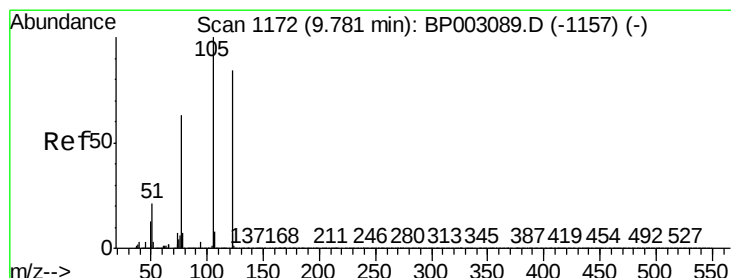
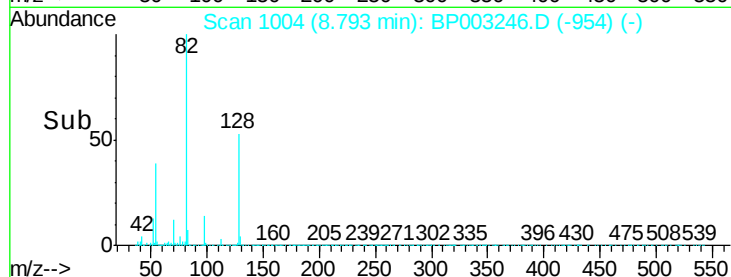
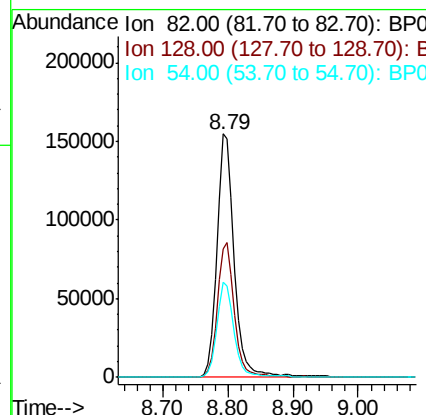
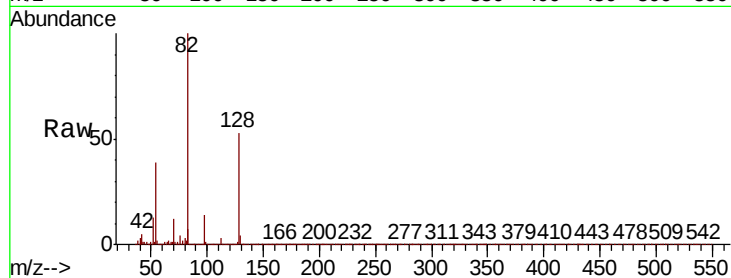




#23
 Nitrobenzene-d5
 Concen: 23.757 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003246.D
 Acq: 09 Sep 2020 18:10

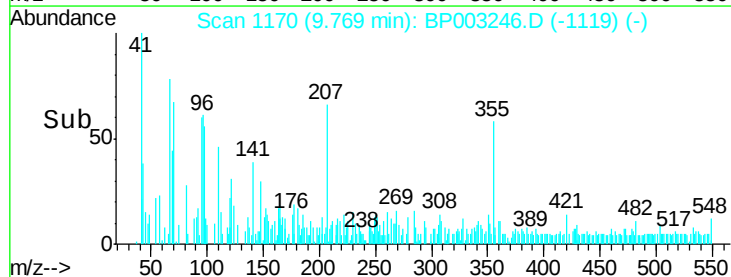
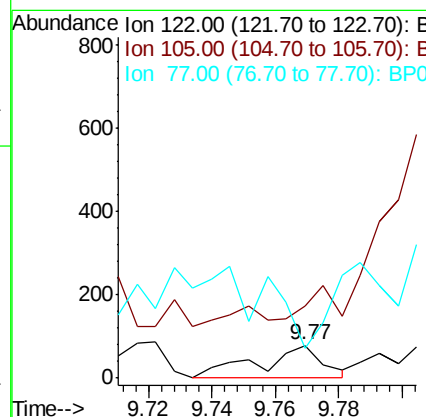
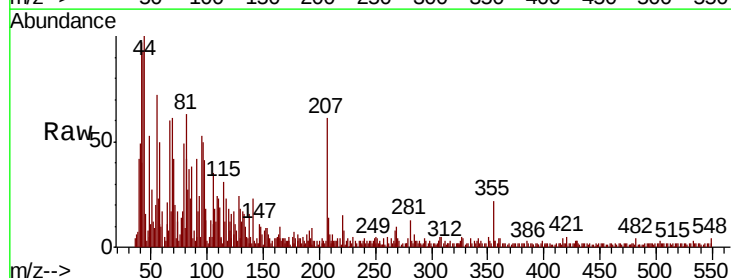
Instrument :
 BNA_P
 ClientSampleId :
 SU-04-090820DL

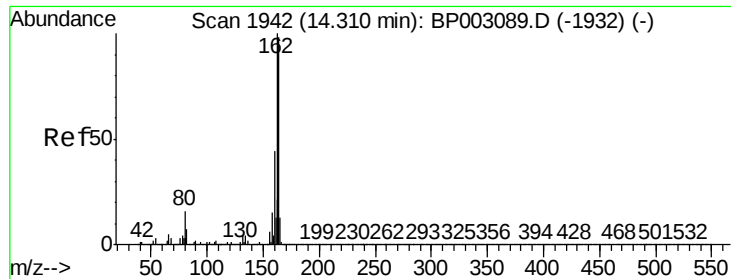
Tot Ion	82	Resp	283748
Ion Ratio	Lower	Upper	
82	100		
128	52.9	45.6	68.4
54	39.3	30.1	45.1



#32
 Benzoic acid
 Concen: 9.007 ng
 RT: 9.77 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BP003246.D
 Acq: 09 Sep 2020 18:10

Tgt Ion	122	Resp	103
Ion Ratio	Lower	Upper	
122	100		
105	221.8	94.1	134.1#
77	91.0	50.1	90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

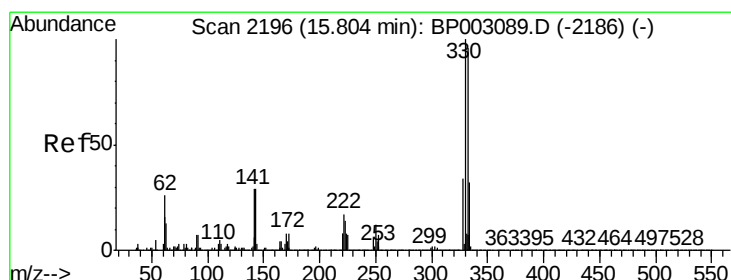
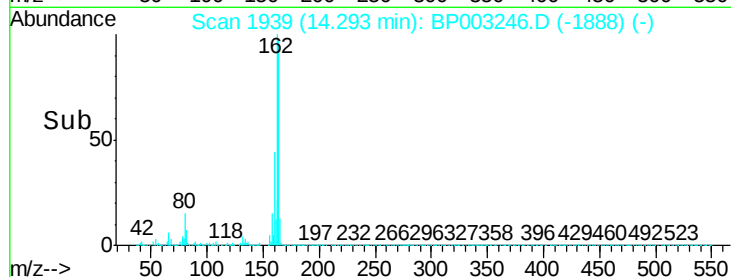
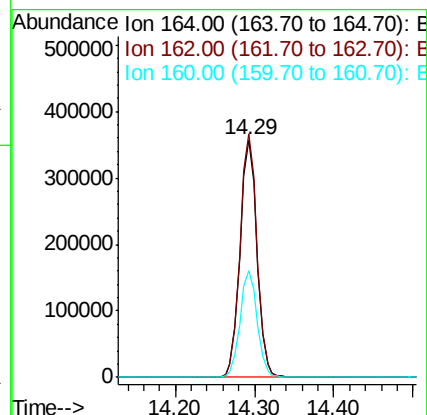
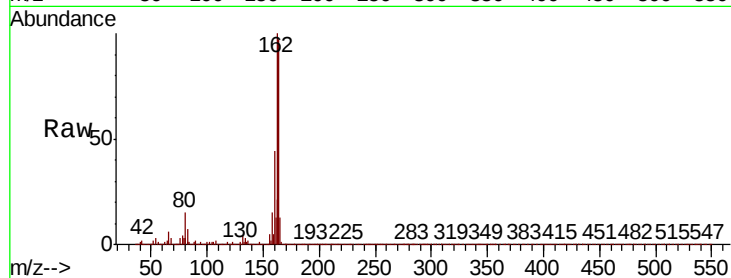
BNA_P

ClientSampleId :

SU-04-090820DL

Tot Ion:164 Resp: 527591

Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.4	119.2
160	44.8	36.1	54.1



#42

2,4,6-Tribromophenol

Concen: 34.443 ng

RT: 15.79 min Scan# 2194

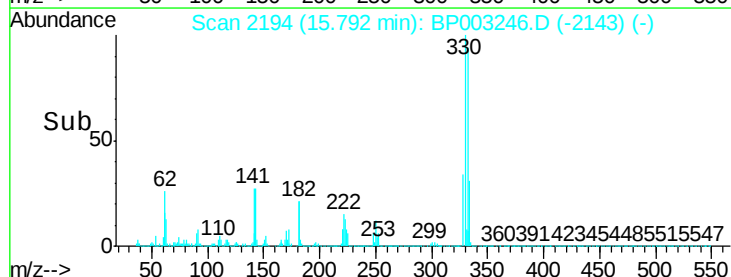
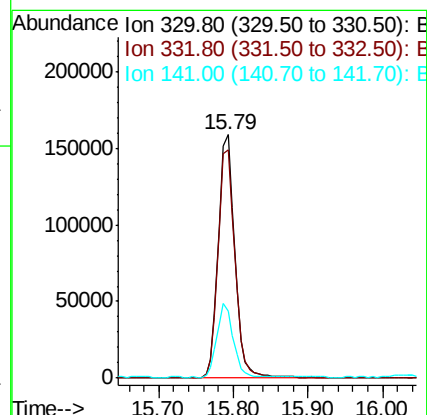
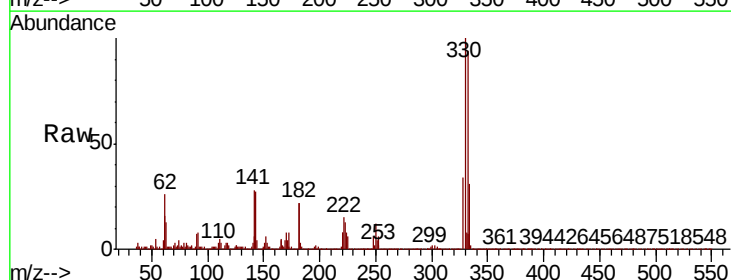
Delta R.T. -0.00 min

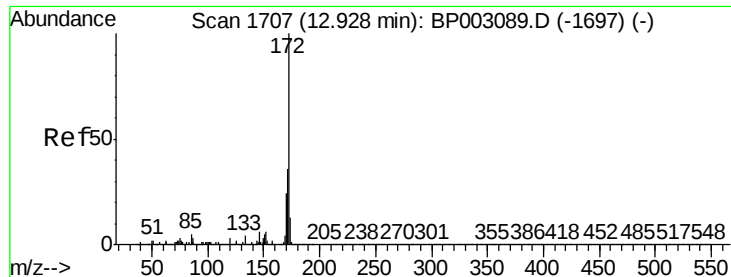
Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Tgt Ion:330 Resp: 245770

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	29.8	23.4	35.2

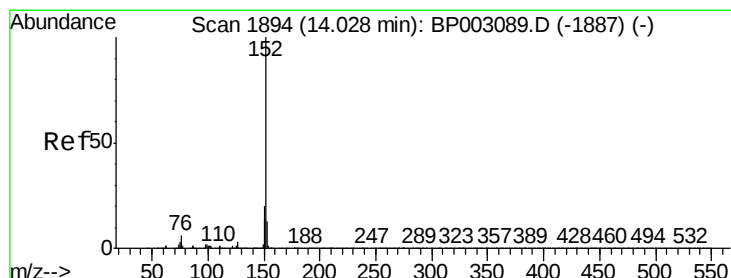
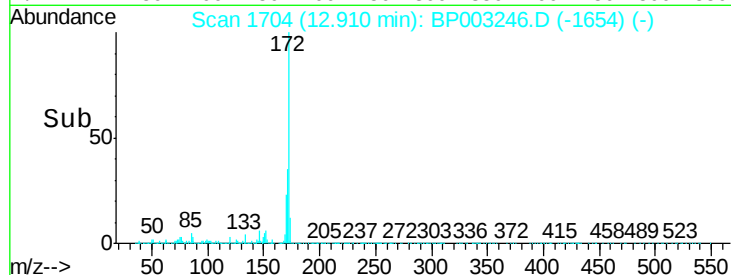
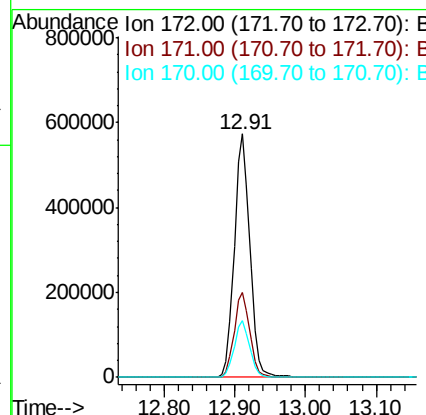
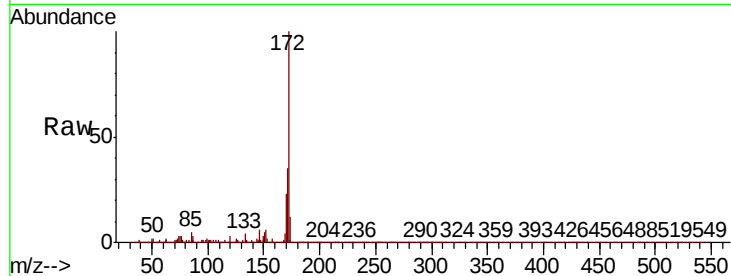




#45
2-Fluorobiphenyl
Concen: 24.447 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

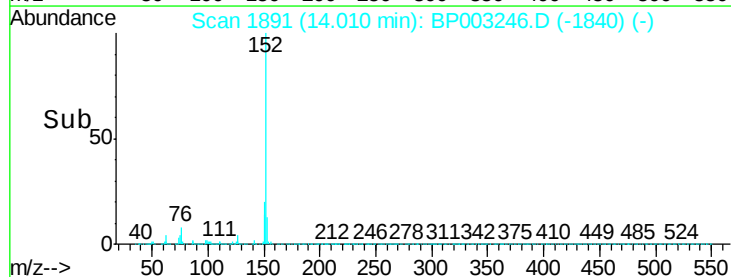
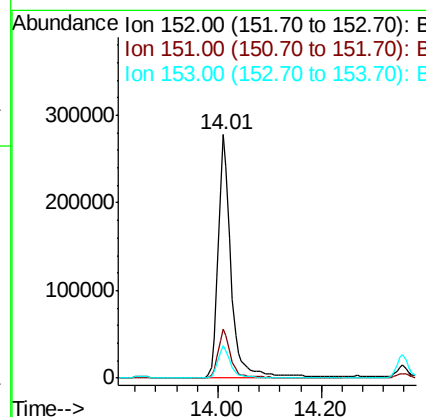
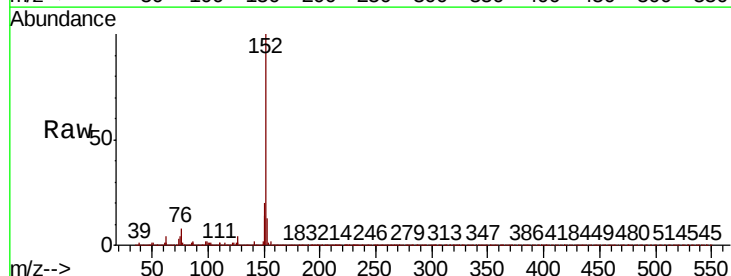
Instrument :
BNA_P
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SU-04-090820DL

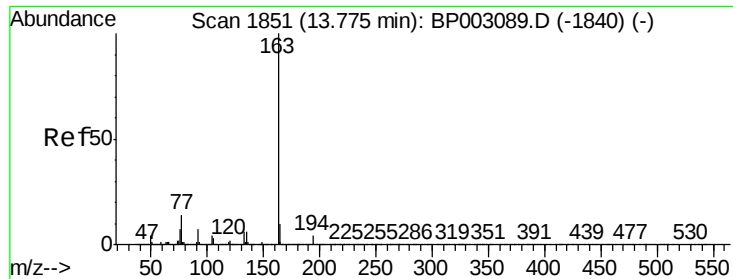
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	23.3	19.2	28.8



#49
Acenaphthylene
Concen: 9.959 ng
RT: 14.01 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.5	10.5	15.7





#50

Dimethylphthalate

Concen: 3.605 ng

RT: 13.75 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

BNA_P

ClientSampleId :

SU-04-090820DL

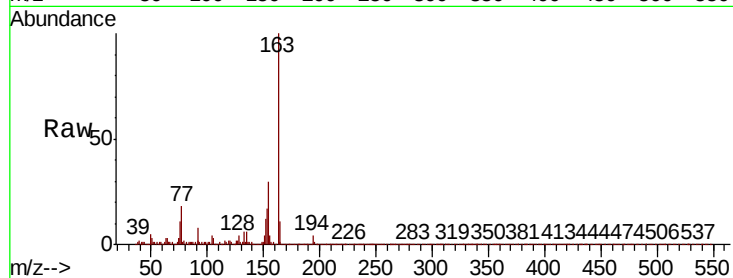
Tot Ion:163 Resp: 145050

Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

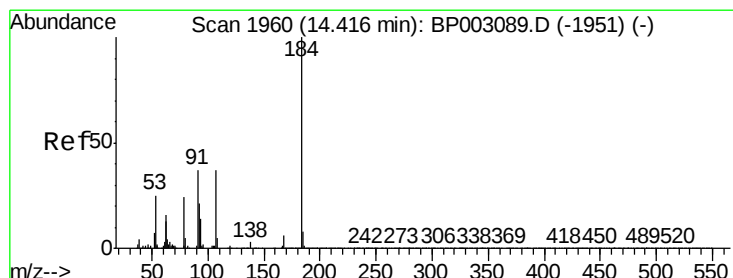
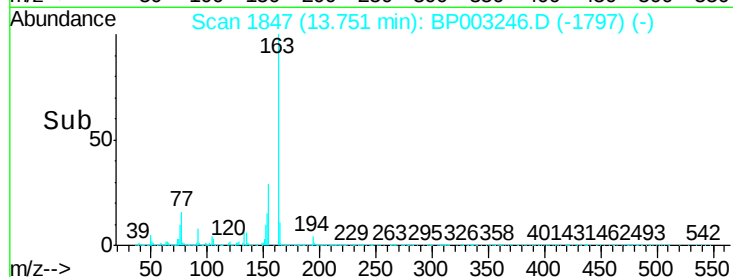
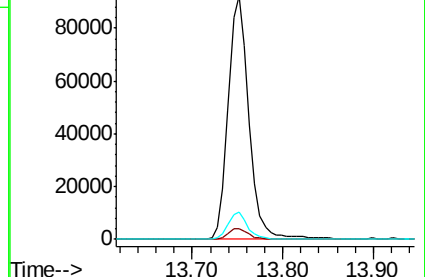
164 11.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 7.767 ng

RT: 14.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

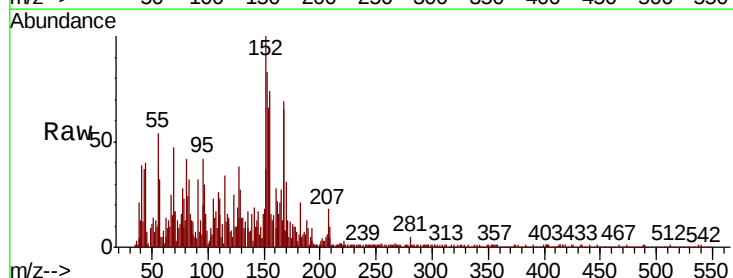
Tgt Ion:184 Resp: 60

Ion Ratio Lower Upper

184 100

63 311.0 32.3 48.5#

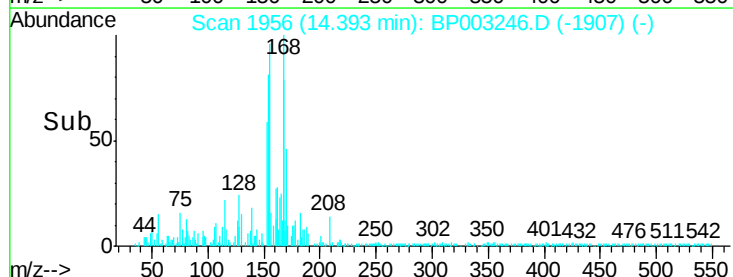
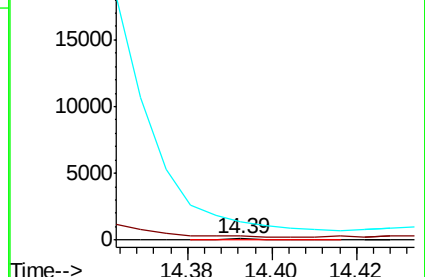
154 1473.6 49.1 73.7#

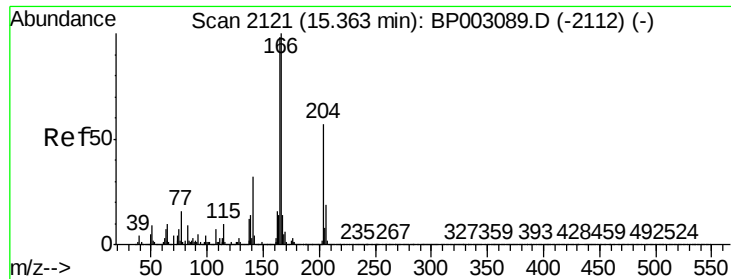


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 5.122 ng

RT: 15.35 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

BNA_P

ClientSampleId :

SU-04-090820DL

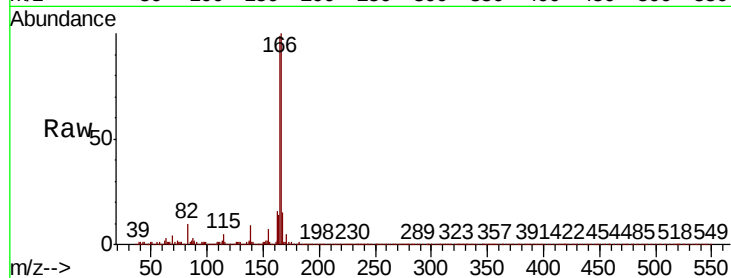
Tot Ion:166 Resp: 186462

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.8

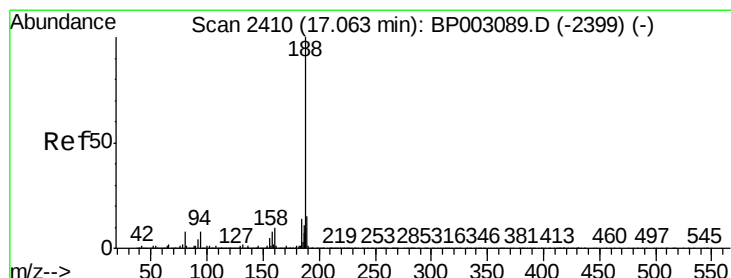
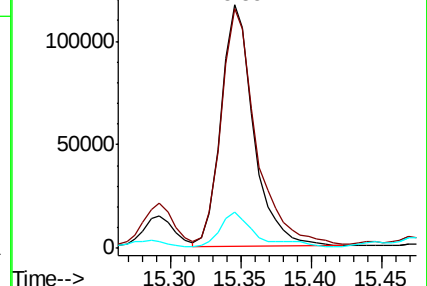
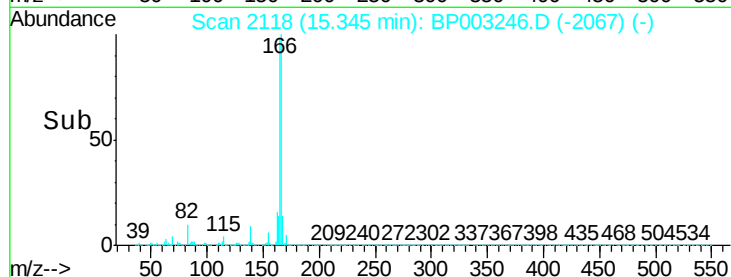
167 14.8 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

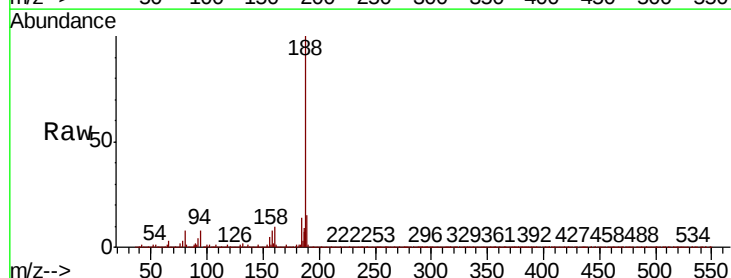
Tgt Ion:188 Resp: 1092801

Ion Ratio Lower Upper

188 100

94 7.8 6.2 9.2

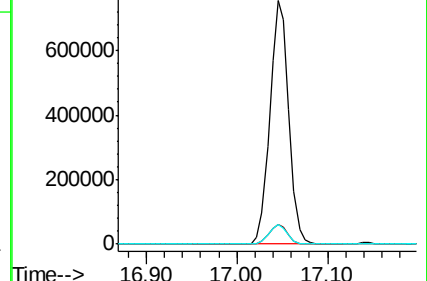
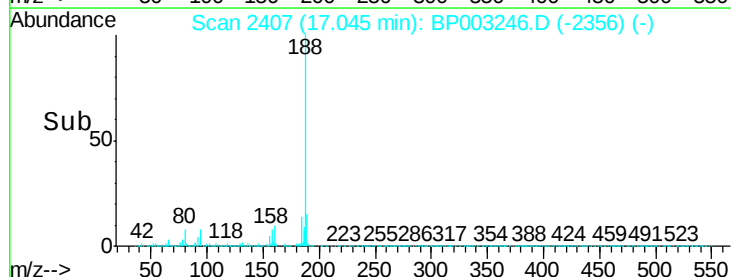
80 8.0 6.2 9.2

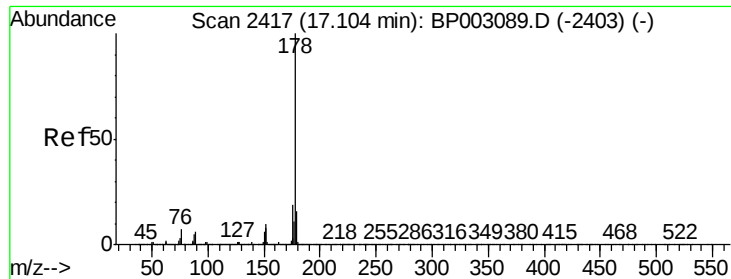


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

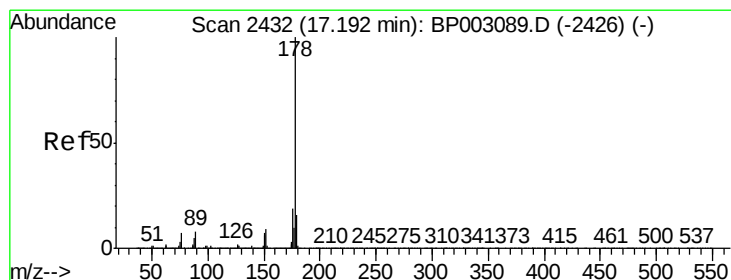
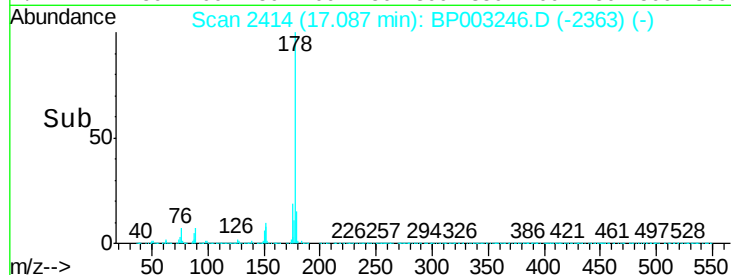
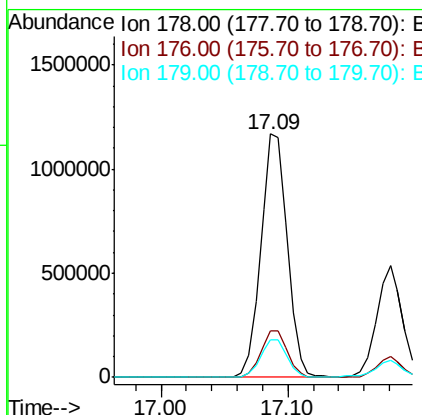
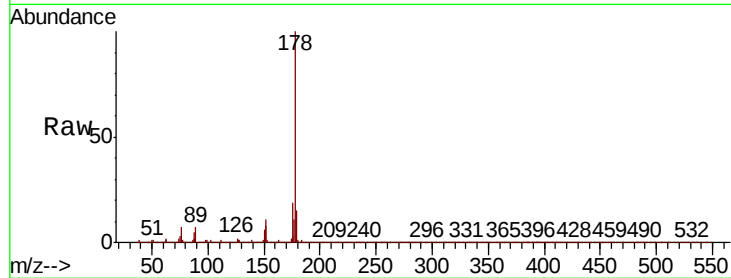




#71
Phenanthrene
Concen: 28.614 ng
RT: 17.09 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

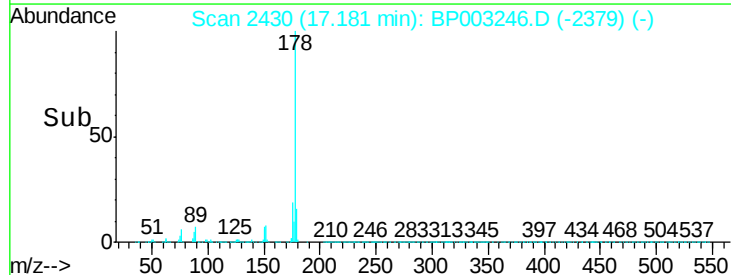
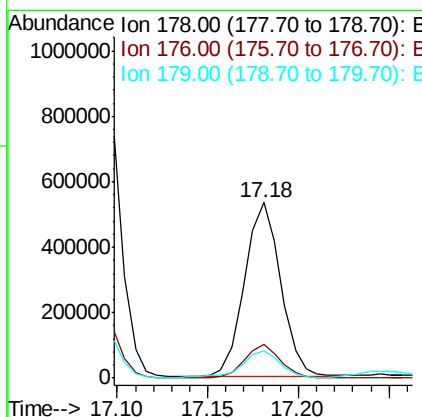
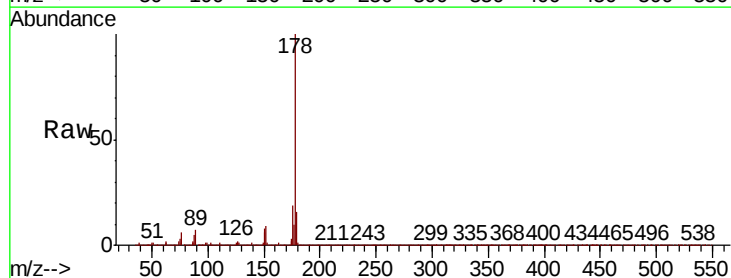
Instrument :
BNA_P
ClientSampleId :
SU-04-090820DL

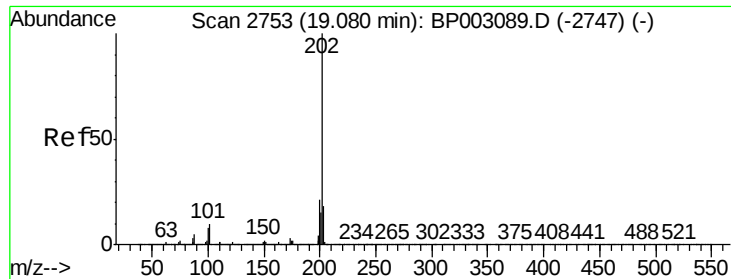
Tot Ion:178 Resp: 1694393
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 13.129 ng
RT: 17.18 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

Tgt Ion:178 Resp: 744026
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 15.7 12.5 18.7

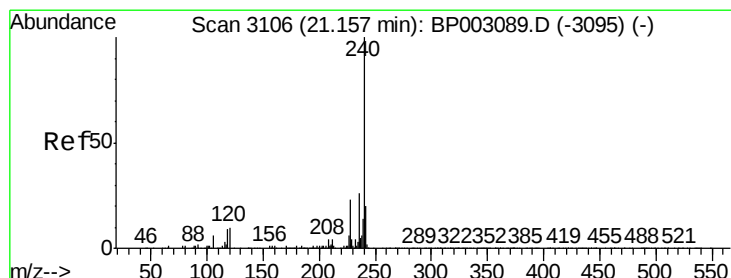
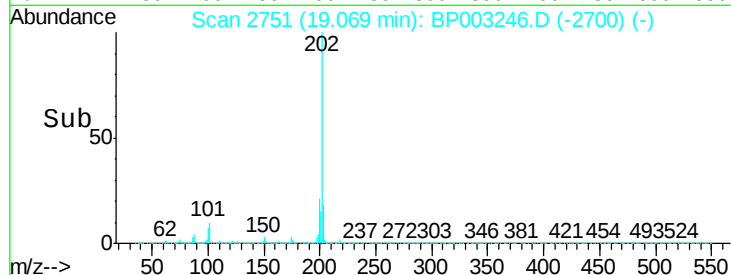
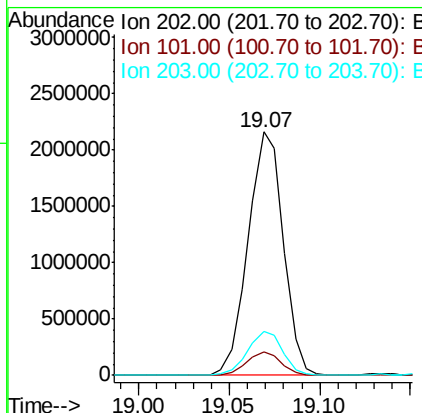
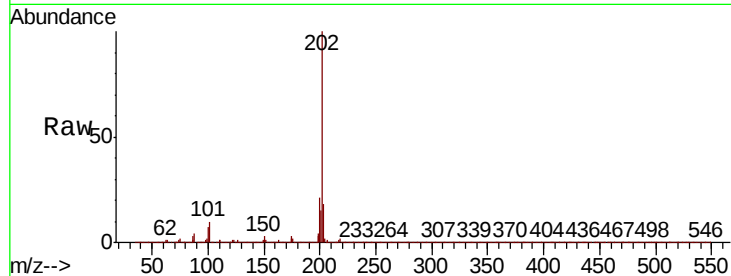




#75
 Fluoranthene
 Concen: 42.560 ng
 RT: 19.07 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BP003246.D
 Acq: 09 Sep 2020 18:10

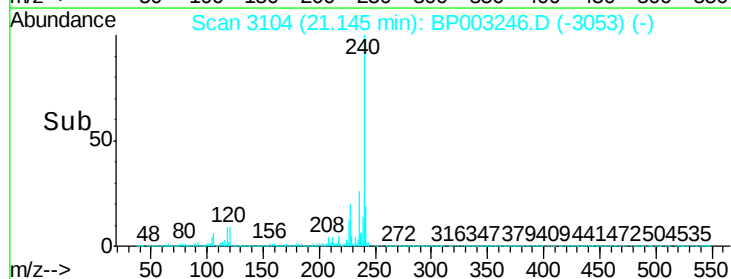
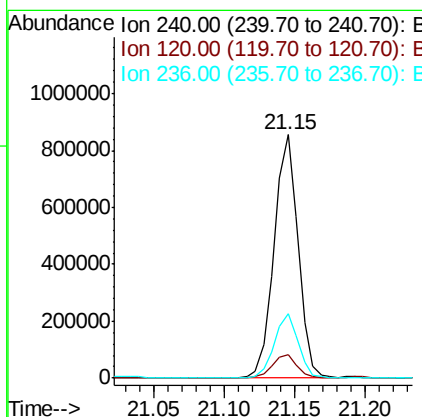
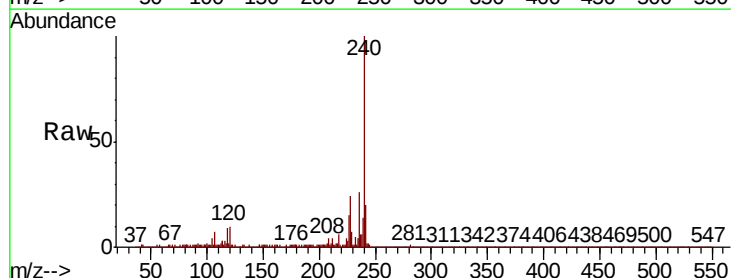
Instrument :
 BNA_P
 ClientSampleId :
 SU-04-090820DL

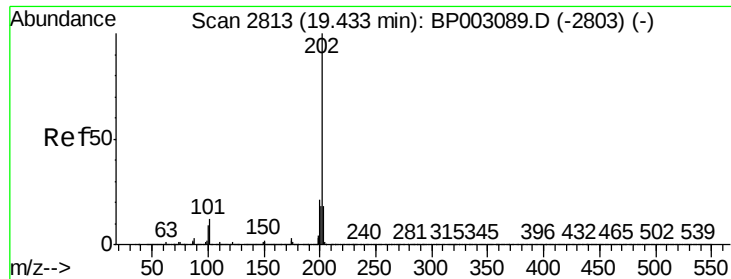
Tot Ion:202 Resp: 2912739
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.4
 203 18.1 0.0 37.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.15 min Scan# 3104
 Delta R.T. -0.00 min
 Lab File: BP003246.D
 Acq: 09 Sep 2020 18:10

Tgt Ion:240 Resp: 1009297
 Ion Ratio Lower Upper
 240 100
 120 9.6 7.8 11.6
 236 26.2 20.8 31.2





#78

Pvrene

Concen: 41.124 ng

RT: 19.42 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

BNA_P

ClientSampleId :

SU-04-090820DL

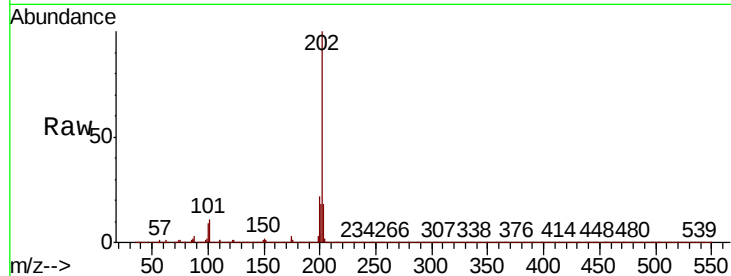
Tot Ion:202 Resp: 2693855

Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

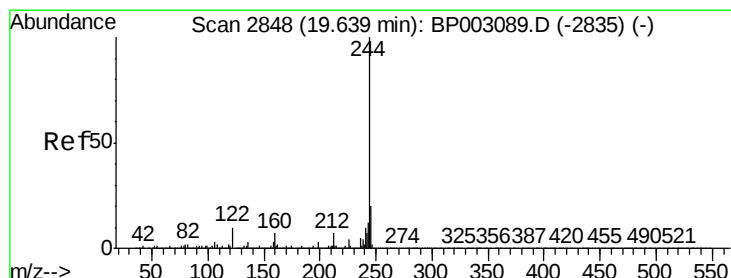
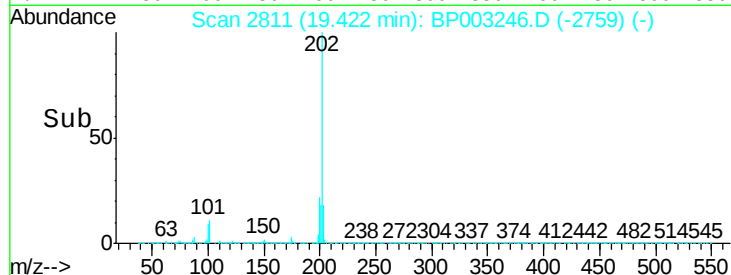
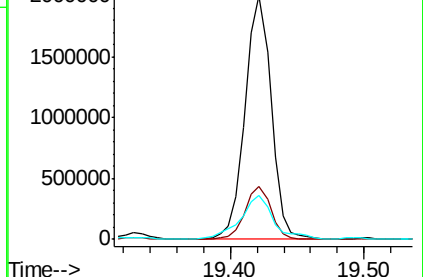
203 18.1 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 25.931 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

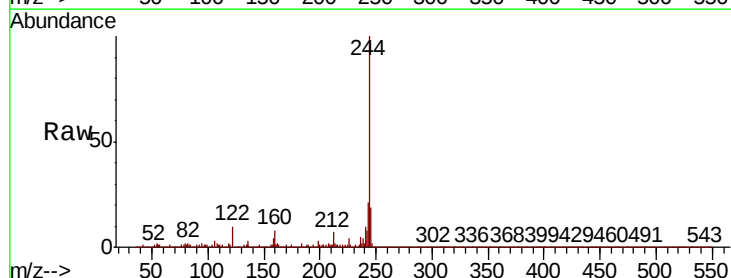
Tgt Ion:244 Resp: 1189404

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

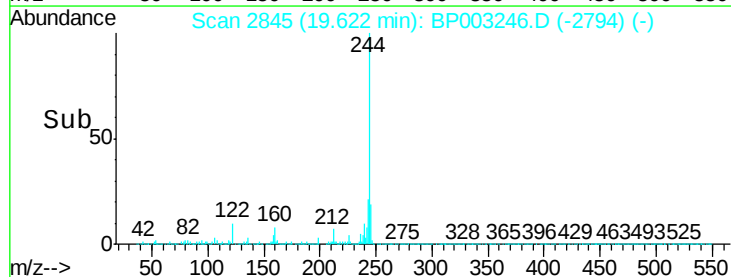
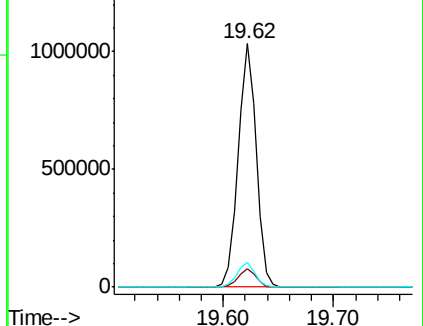
122 9.9 7.8 11.8

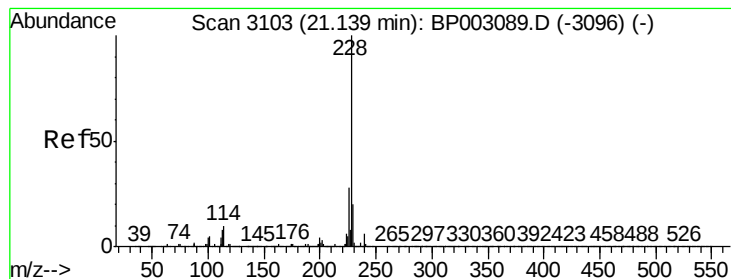


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 25.624 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

BNA_P

ClientSampleId :

SU-04-090820DL

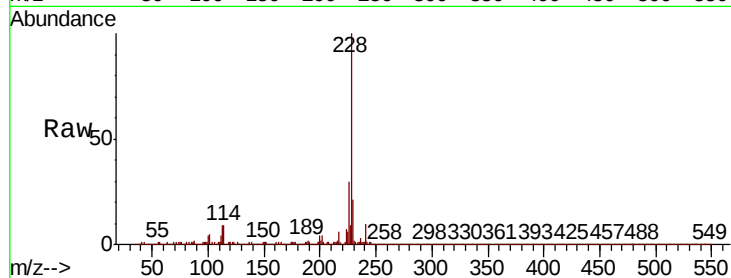
Tot Ion:228 Resp: 1619948

Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

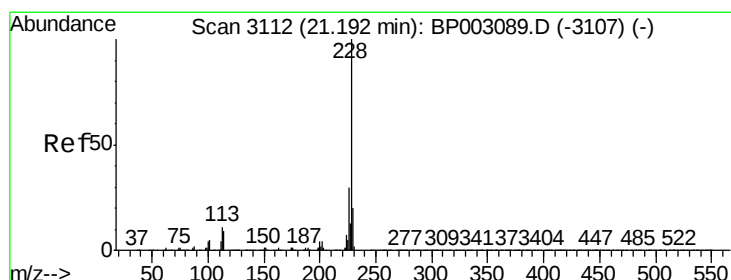
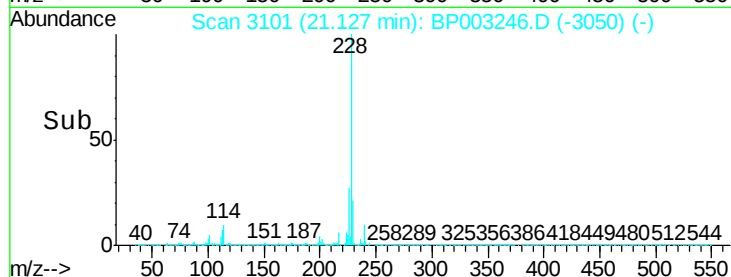
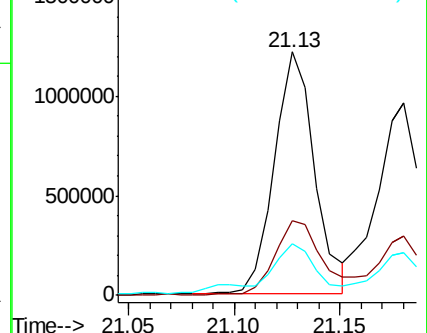
229 21.4 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 22.185 ng

RT: 21.18 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

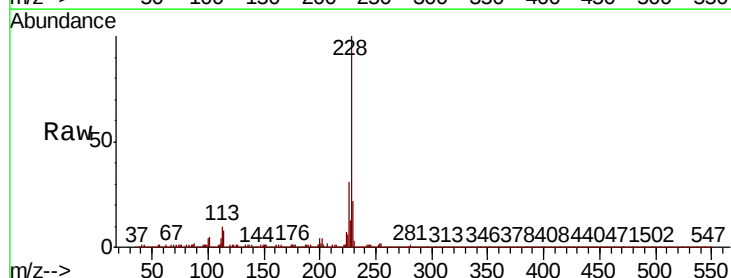
Tgt Ion:228 Resp: 1342912

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

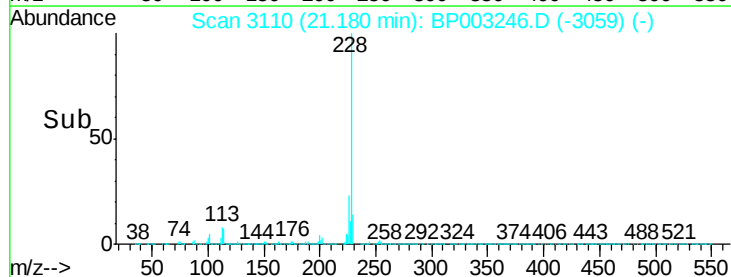
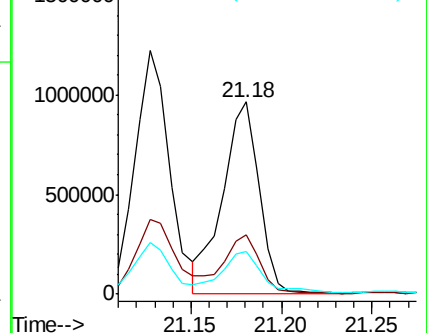
229 21.9 15.8 23.6

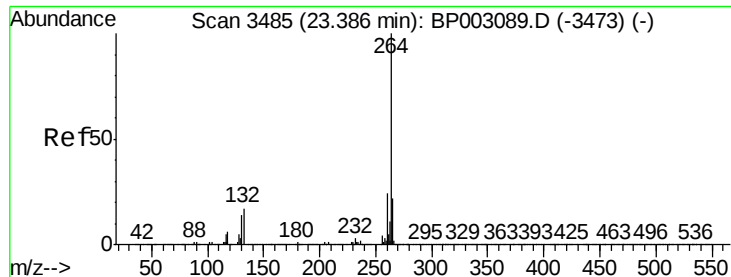


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



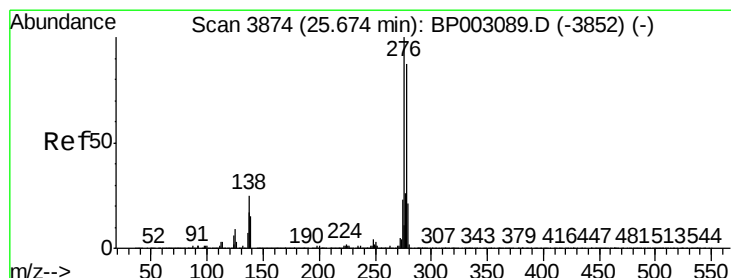
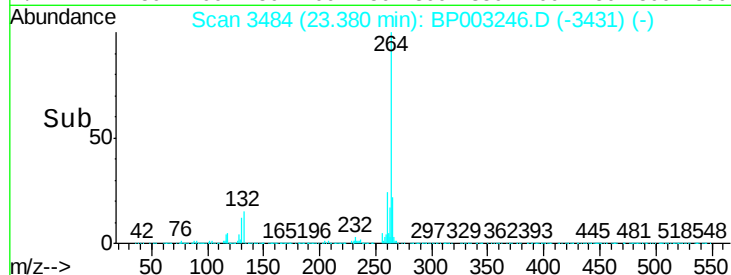
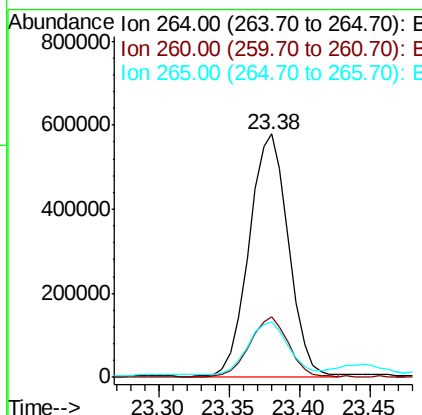
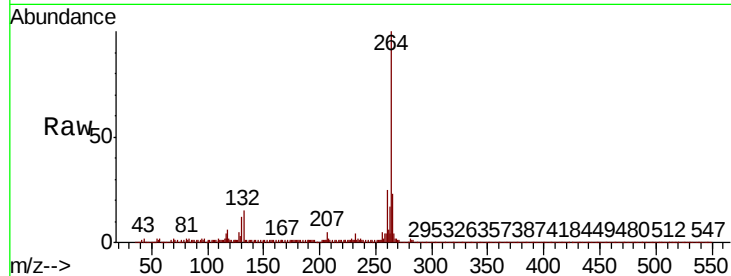


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

Instrument :
BNA_P
ClientSampleId :
SU-04-090820DL

Tot Ion:264 Resp: 1122881

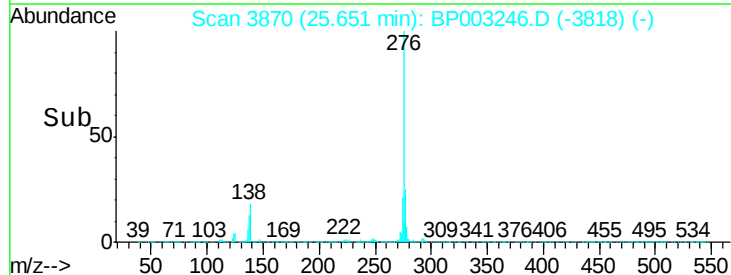
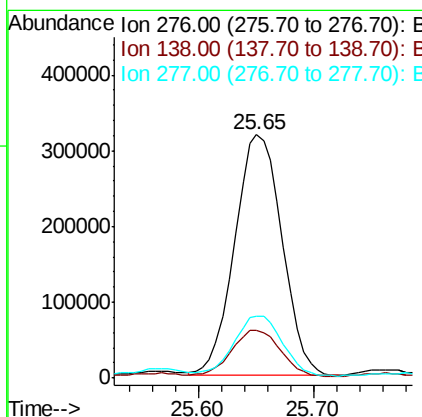
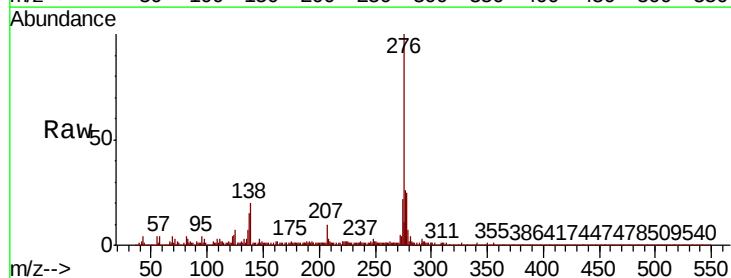
Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.8	28.2
265	22.7	17.4	26.2

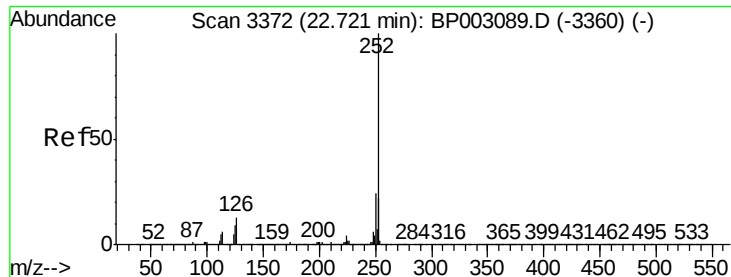


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.764 ng
RT: 25.65 min Scan# 3870
Delta R.T. 0.01 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

Tgt Ion:276 Resp: 901363

Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.7	28.1
277	25.5	20.4	30.6

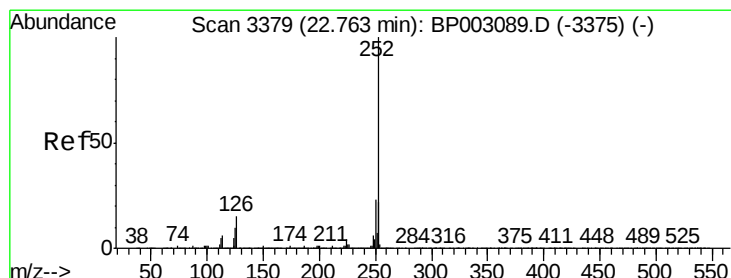
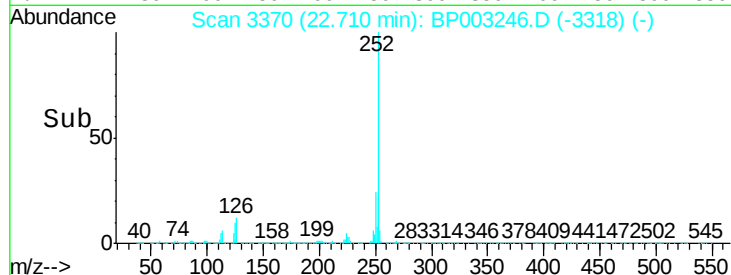
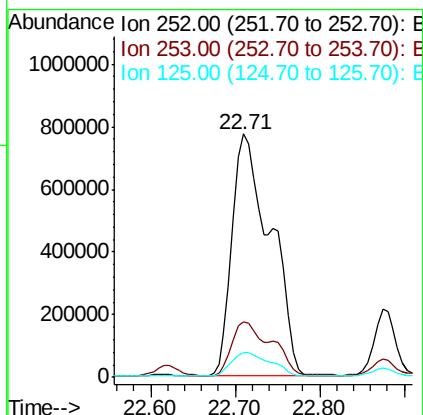
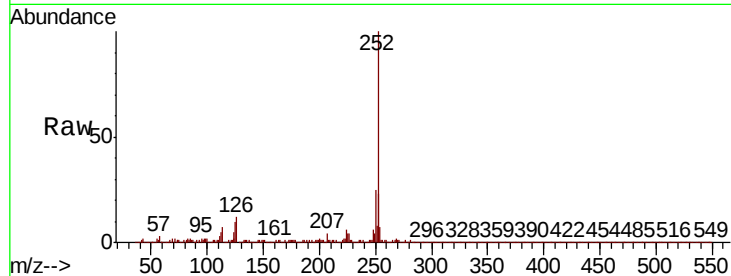




#88
Benzo(b)fluoranthene
Concen: 34.677 ng
RT: 22.71 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

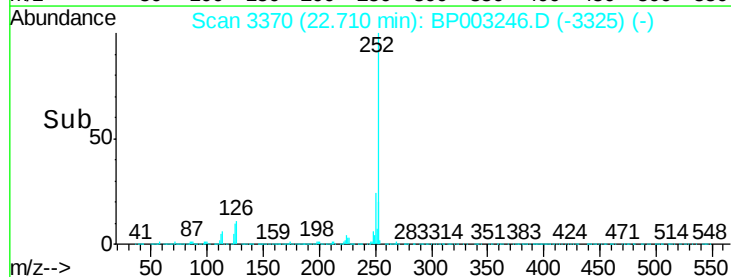
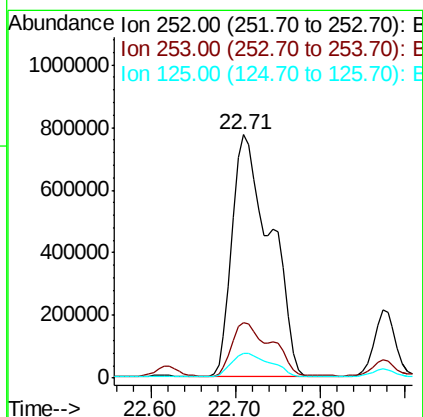
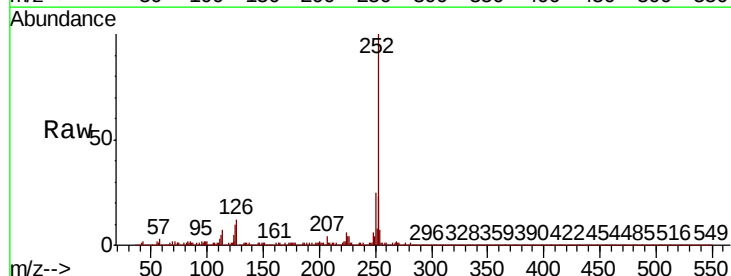
Instrument :
BNA_P
ClientSampleId :
SU-04-090820DL

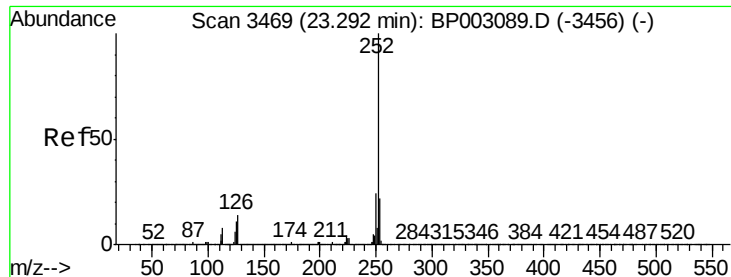
Tot Ion:252 Resp: 2420128
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.3 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 36.294 ng
RT: 22.71 min Scan# 3370
Delta R.T. -0.04 min
Lab File: BP003246.D
Acq: 09 Sep 2020 18:10

Tgt Ion:252 Resp: 2420128
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.3 7.4 11.2





#90

Benzo(a)pyrene

Concen: 21.909 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

BNA_P

ClientSampleId :

SU-04-090820DL

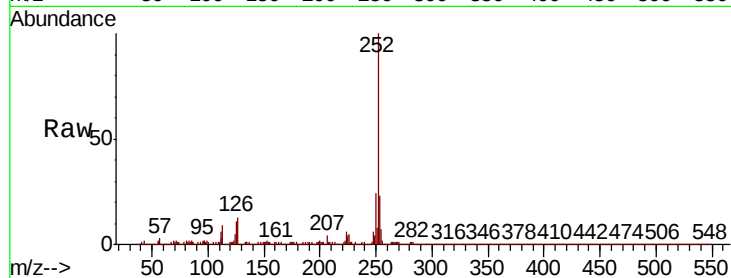
Tot Ion:252 Resp: 1418553

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

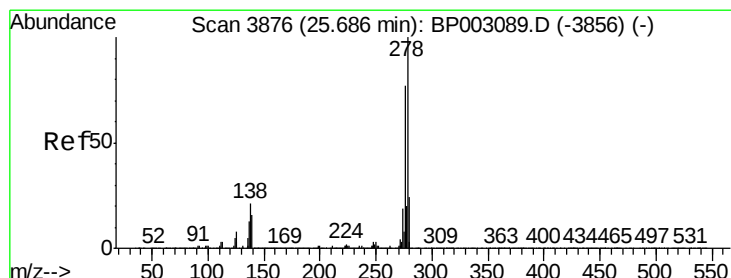
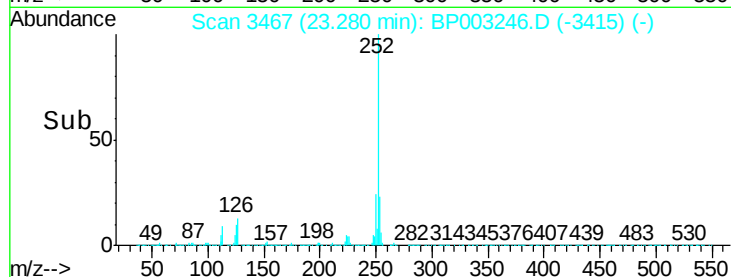
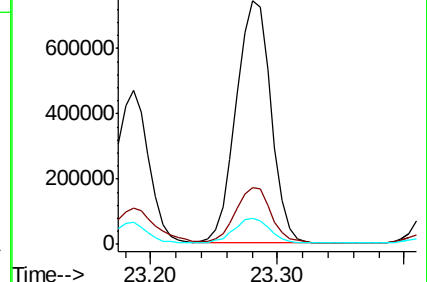
125 10.7 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 3.259 ng

RT: 25.92 min Scan# 3915

Delta R.T. 0.26 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

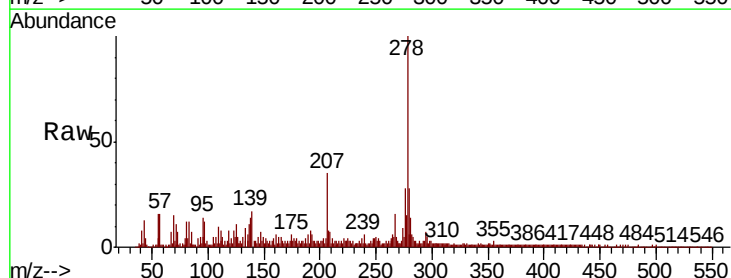
Tgt Ion:278 Resp: 224156

Ion Ratio Lower Upper

278 100

139 17.1 12.4 18.6

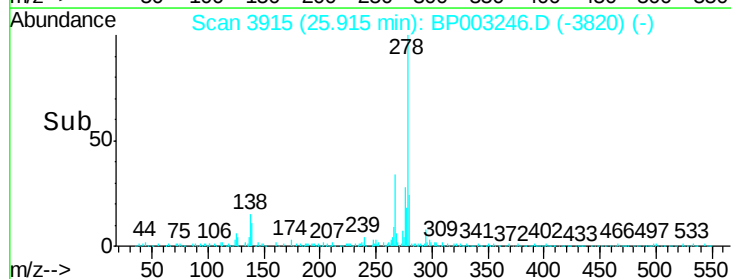
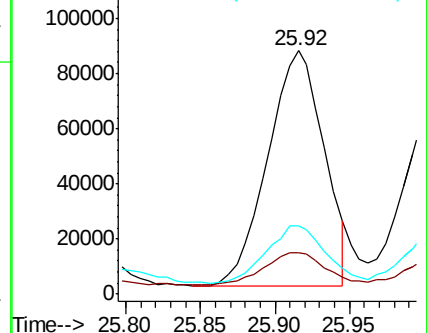
279 28.3 19.0 28.6

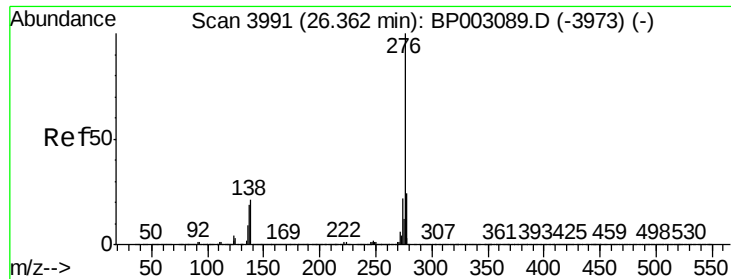


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 11.988 ng

RT: 26.35 min Scan# 3989

Delta R.T. 0.02 min

Lab File: BP003246.D

Acq: 09 Sep 2020 18:10

Instrument :

BNA_P

ClientSampleId :

SU-04-090820DL

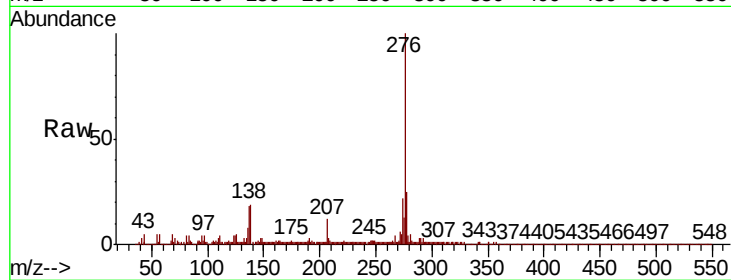
Tot Ion: 276 Resp: 827600

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.6

138 19.2 16.6 24.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

