

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003216.D
 Acq On : 04 Sep 2020 17:50
 Operator : CG/JU
 Sample : L3877-09 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2

Quant Time: Sep 04 18:33:36 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	302175	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	1160656	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	644030	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1130993	20.00	ng	0.00
76) Chrysene-d12	21.14	240	951450	20.00	ng	0.00
86) Perylene-d12	23.38	264	1071600	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	250843	14.68	ng	0.00
7) Phenol-d6	6.84	99	292360	13.65	ng	0.00
23) Nitrobenzene-d5	8.80	82	172389	10.71	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	111826	12.84	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	412983	9.39	ng	0.00
79) Terphenyl-d14	19.62	244	358408	8.29	ng	0.00

Target Compounds

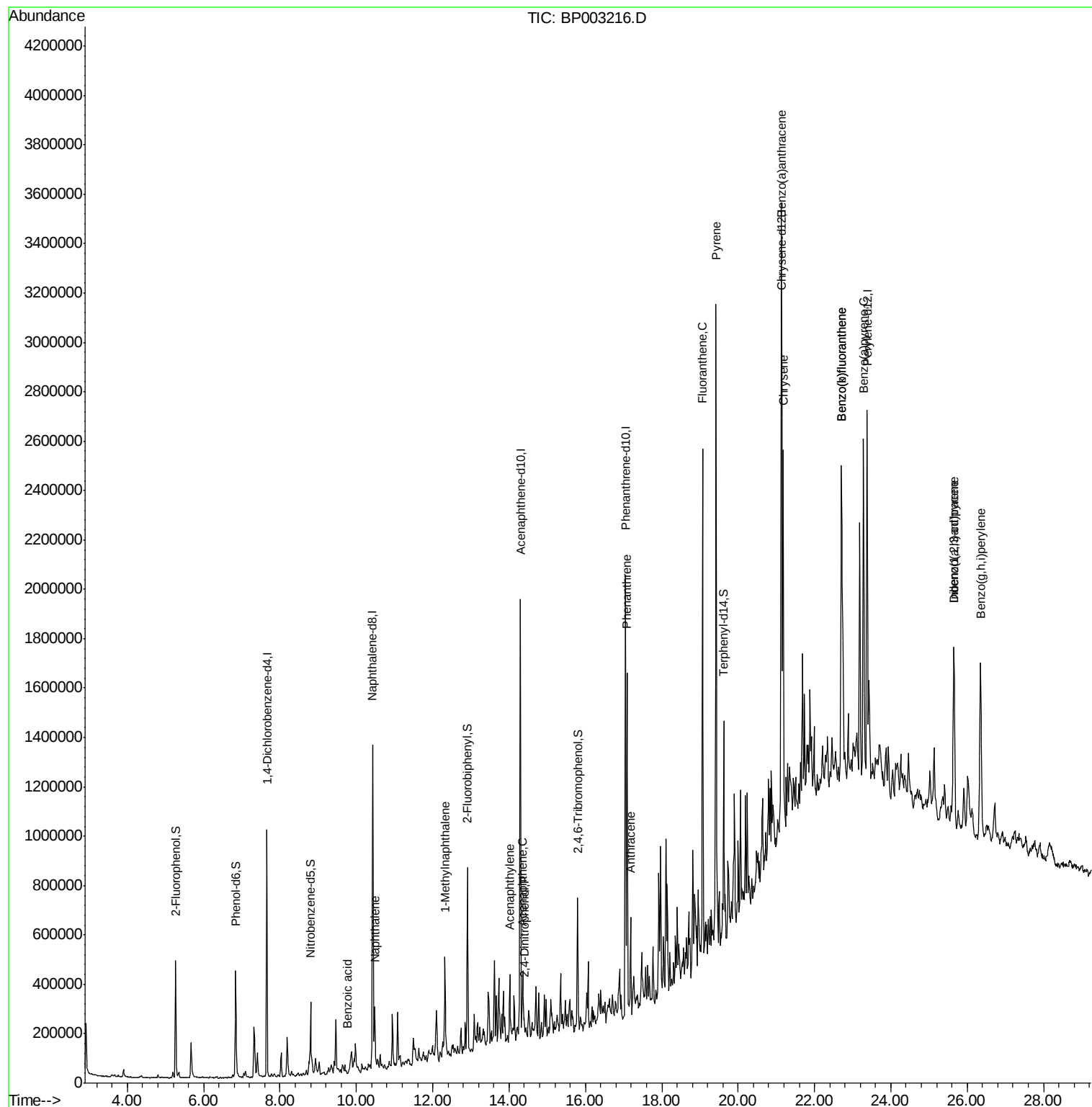
						Qvalue
31) Naphthalene	10.48	128	204855	3.435	ng	99
32) Benzoic acid	9.77	122	233	9.014	ng	# 1
38) 1-Methylnaphthalene	12.32	142	195318	4.817	ng	100
49) Acenaphthylene	14.02	152	165491	2.768	ng	96
52) Acenaphthene	14.36	154	95646	2.604	ng	98
54) 2,4-Dinitrophenol	14.40	184	153	7.780	ng	# 1
71) Phenanthrene	17.09	178	866510	14.139	ng	100
72) Anthracene	17.18	178	260770	4.446	ng	99
75) Fluoranthene	19.07	202	1216923	17.181	ng	100
78) Pyrene	19.42	202	1602095	25.944	ng	100
81) Benzo(a)anthracene	21.13	228	860681	14.442	ng	95
83) Chrysene	21.18	228	885915	15.525	ng	98
87) Indeno(1,2,3-cd)pyrene	25.66	276	757512	9.479	ng	95
88) Benzo(b)fluoranthene	22.71	252	1489693	22.367	ng	96
89) Benzo(k)fluoranthene	22.71	252	1489693	23.410	ng	97
90) Benzo(a)pyrene	23.28	252	986861	15.971	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	195163	2.973	ng	# 75
92) Benzo(g,h,i)perylene	26.35	276	882514	13.396	ng	99

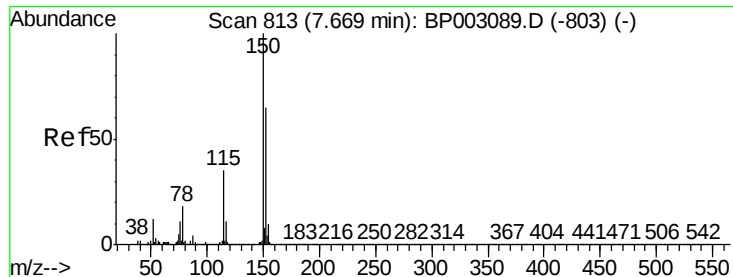
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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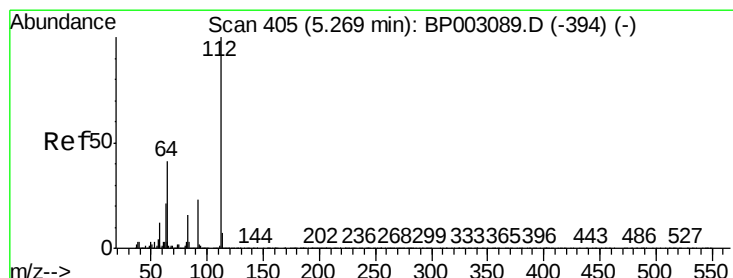
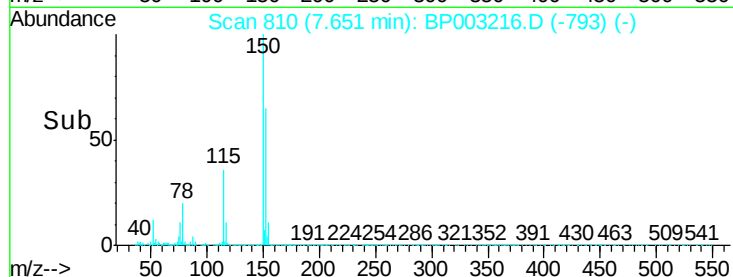
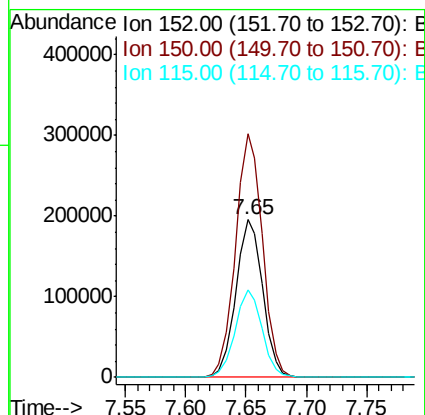
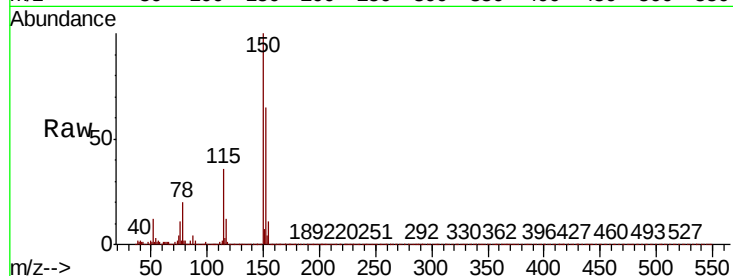


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampleId :
TP-2

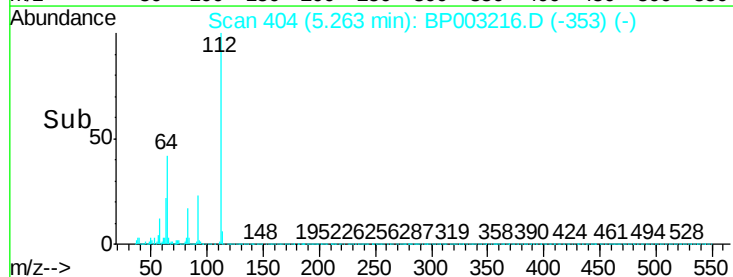
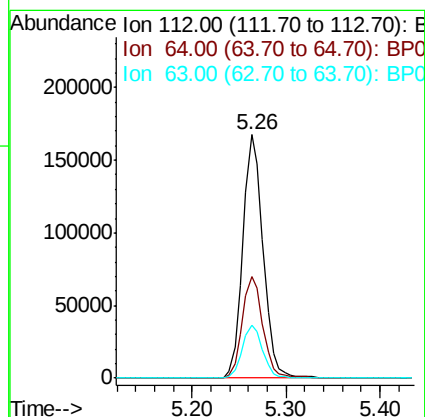
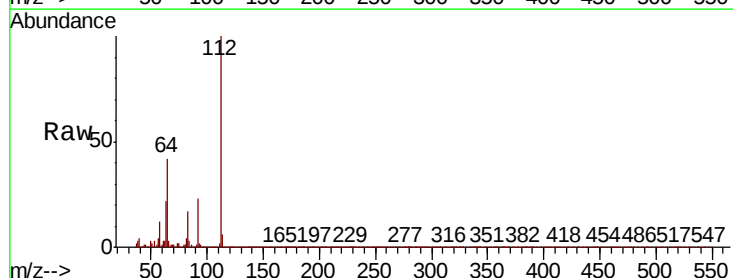
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.8	185.6
115	55.7	43.8	65.6

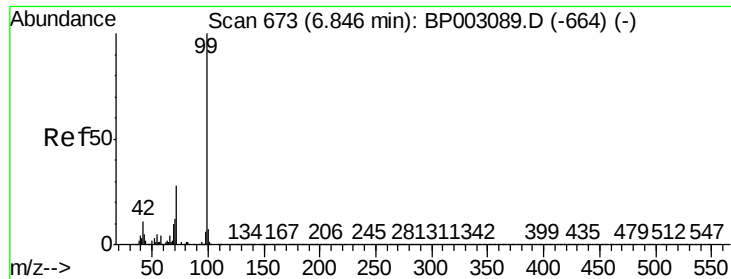


#5

2-Fluorophenol
Concen: 14.677 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.7	32.8	49.2
63	21.8	17.0	25.4





#7

Phenol-d6

Concen: 13.646 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

BNA_P

ClientSampleId :

TP-2

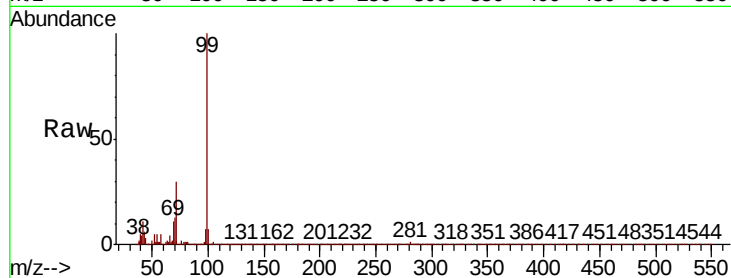
Tot Ion: 99 Resp: 292360

Ion Ratio Lower Upper

99 100

42 11.4 8.6 13.0

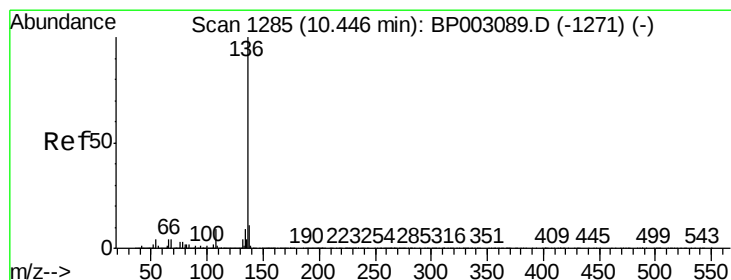
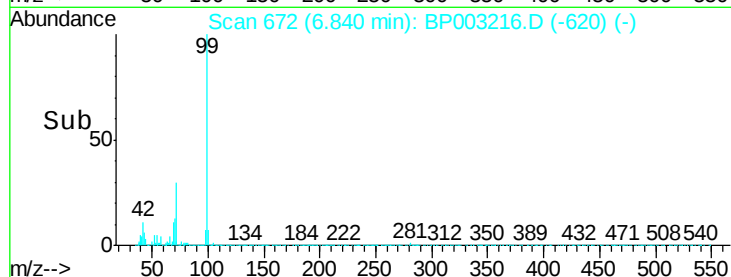
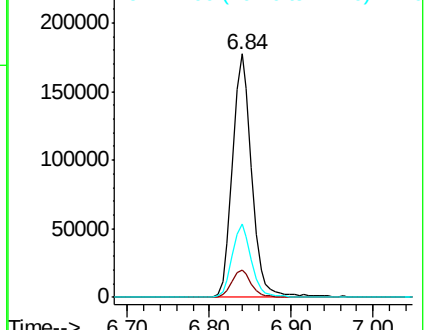
71 30.0 23.4 35.2



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: BP003216.D

Acq: 04 Sep 2020 17:50

Tgt Ion: 136 Resp: 1160656

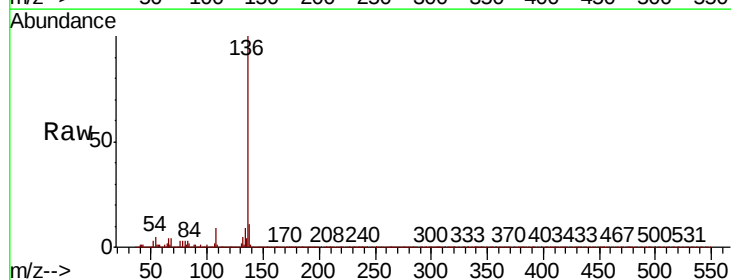
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 4.9 3.6 5.4

68 4.4 3.3 4.9

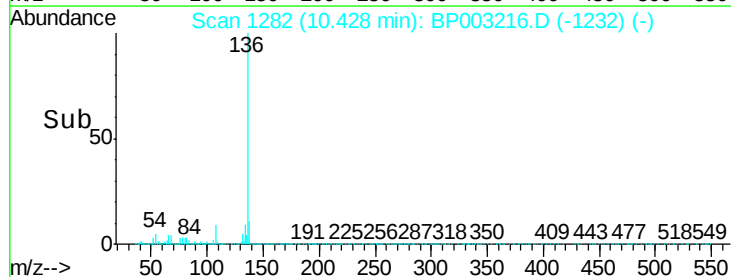
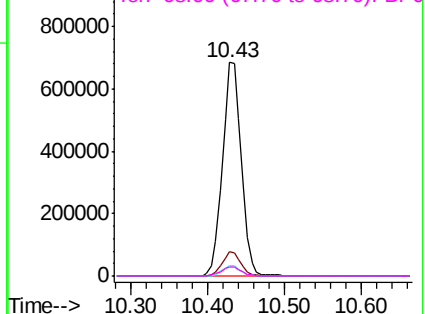


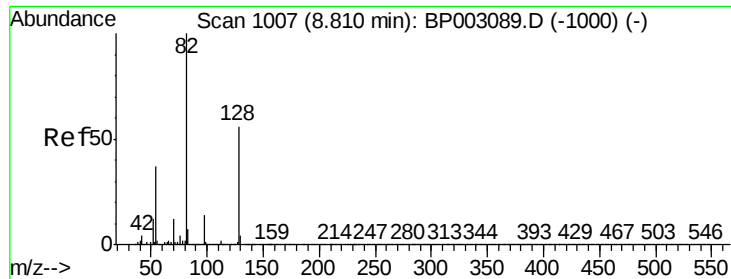
Abundance Ion 136.00 (135.70 to 136.70): E

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

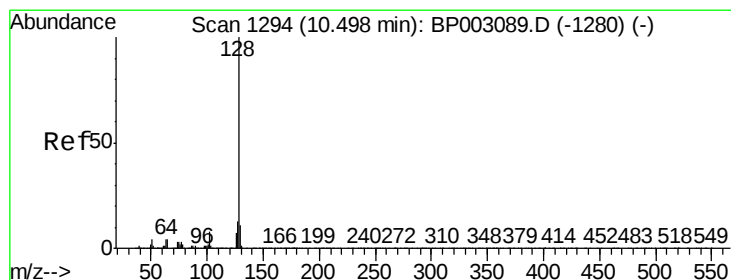
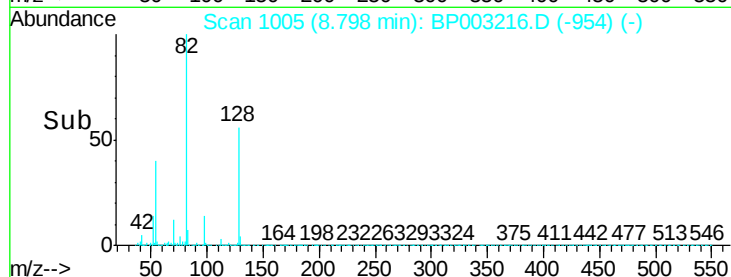
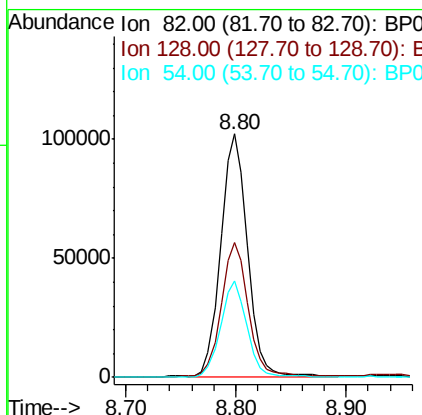
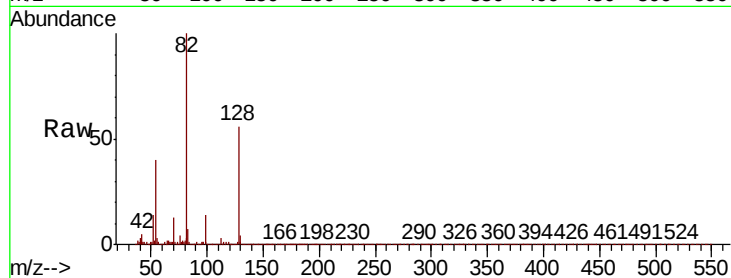




#23
Nitrobenzene-d5
Concen: 10.707 ng
RT: 8.80 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

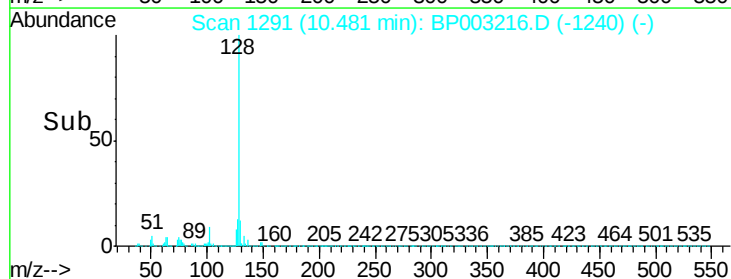
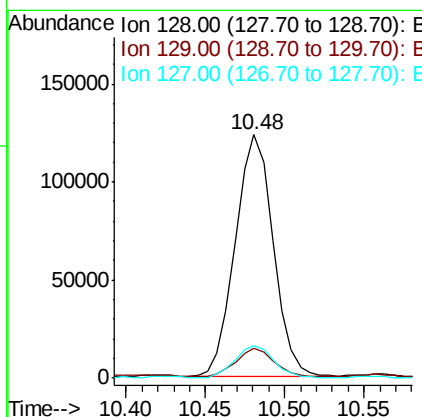
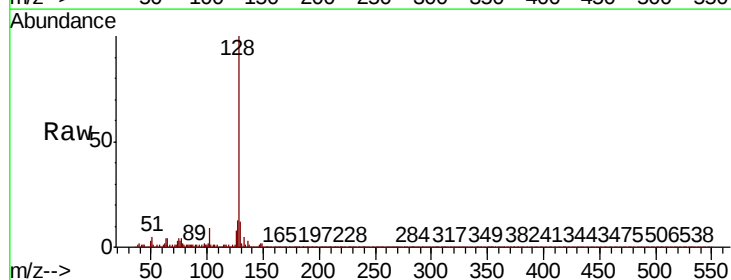
Instrument :
BNA_P
ClientSampleId :
TP-2

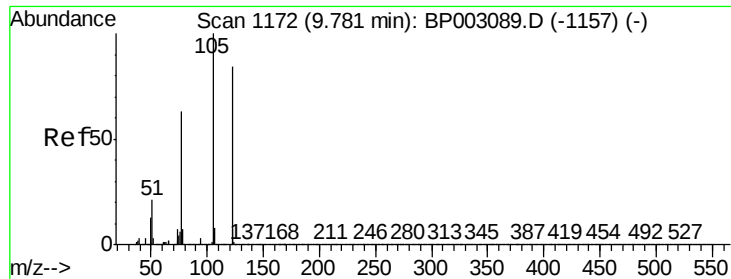
Tot Ion	82	Resp	172389
Ion Ratio	Lower	Upper	
82	100		
128	55.6	45.6	68.4
54	39.7	30.1	45.1



#31
Naphthalene
Concen: 3.435 ng
RT: 10.48 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	128	Resp	204855
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.8	13.2
127	13.3	10.6	15.8

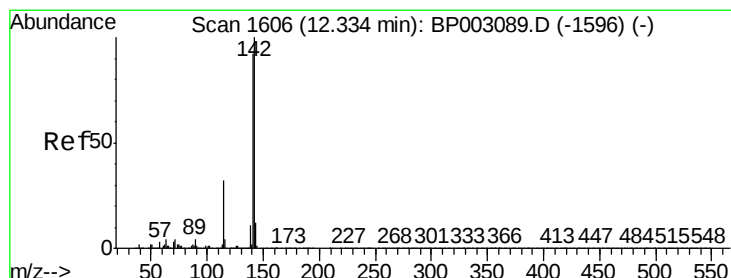
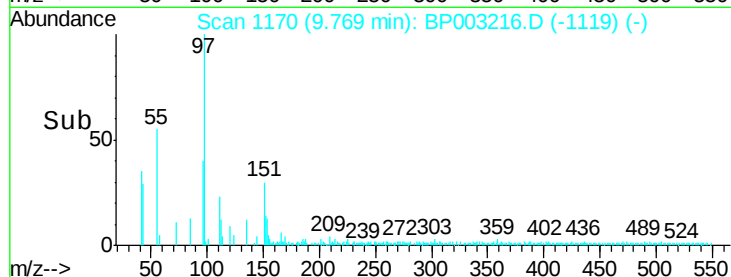
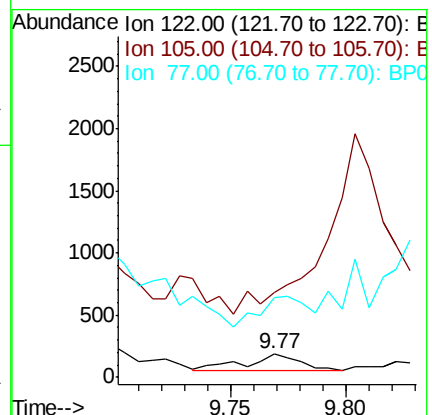
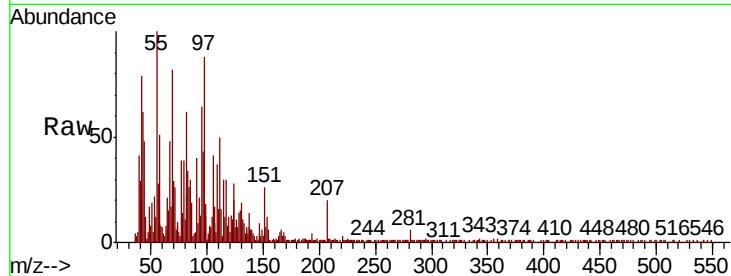




#32
Benzoic acid
Concen: 9.014 ng
RT: 9.77 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

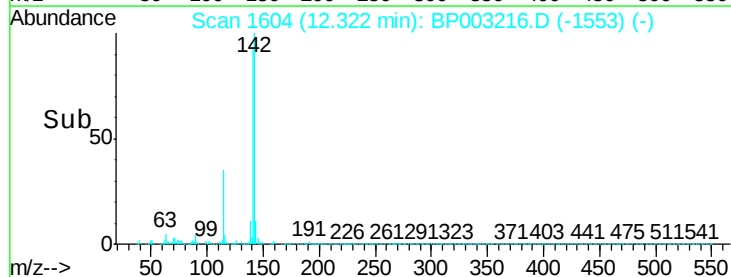
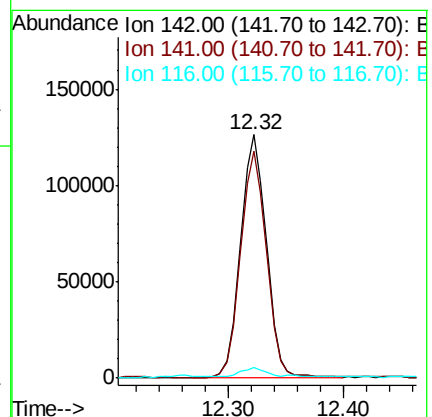
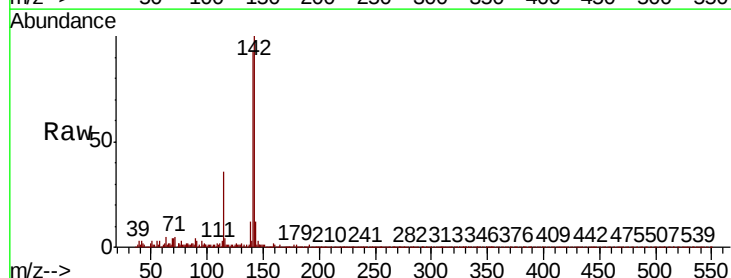
Instrument :
BNA_P
ClientSampleId :
TP-2

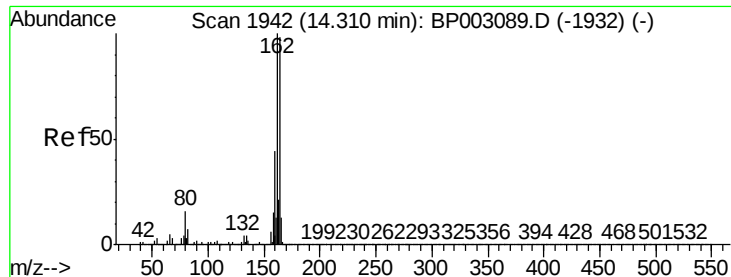
Tot Ion:122 Resp: 233
Ion Ratio Lower Upper
122 100
105 356.8 94.1 134.1#
77 339.5 50.1 90.1#



#38
1-Methylnaphthalene
Concen: 4.817 ng
RT: 12.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion:142 Resp: 195318
Ion Ratio Lower Upper
142 100
141 93.2 74.4 111.6
116 4.2 2.9 4.3

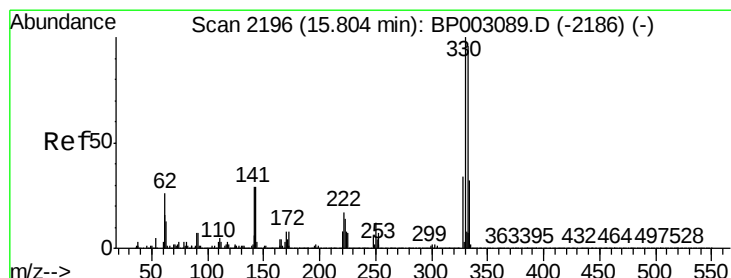
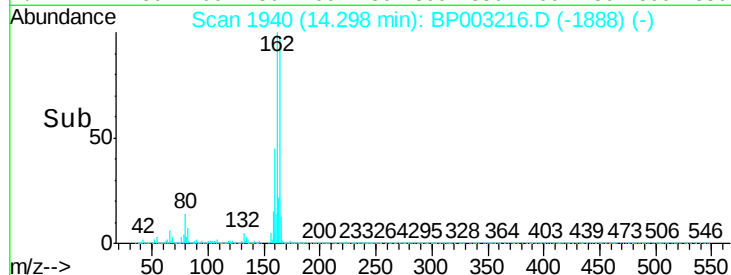
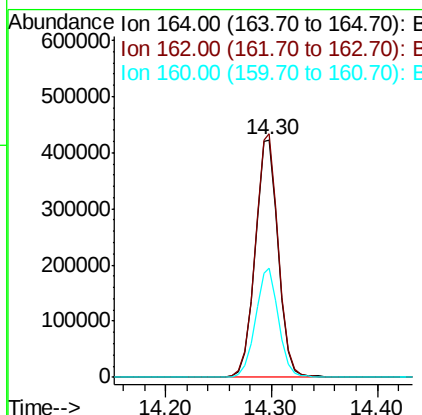
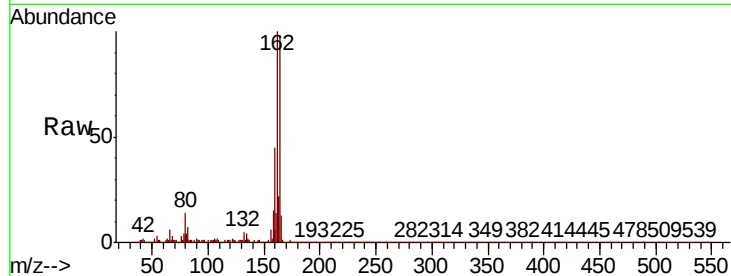




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1940
 Delta R.T. 0.01 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

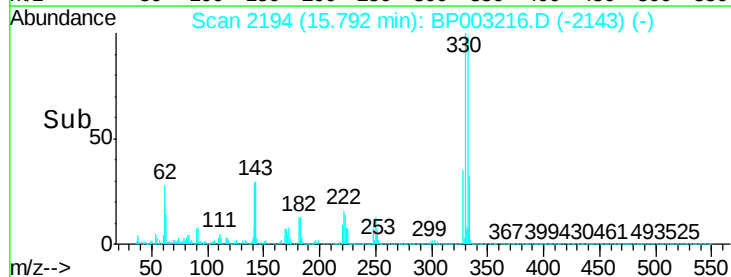
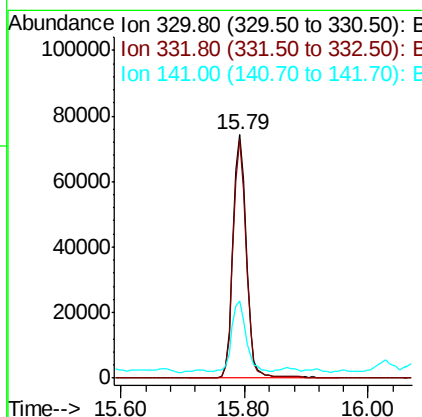
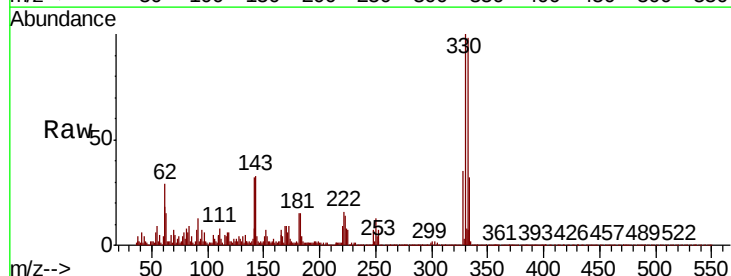
Instrument :
 BNA_P
 ClientSampled :
 TP-2

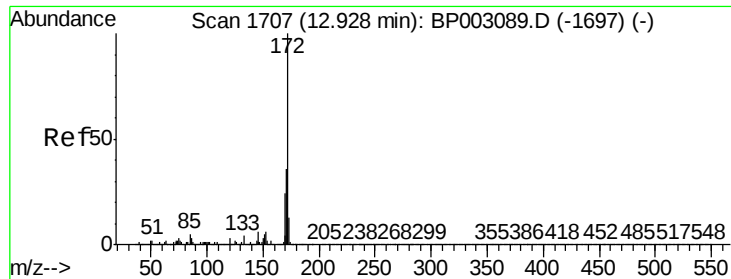
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	79.4	119.2
160	45.7	36.1	54.1



#42
 2,4,6-Tribromophenol
 Concen: 12.838 ng
 RT: 15.79 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.1	115.7
141	29.8	23.4	35.2

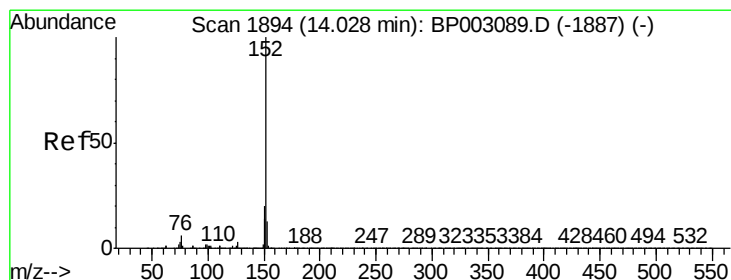
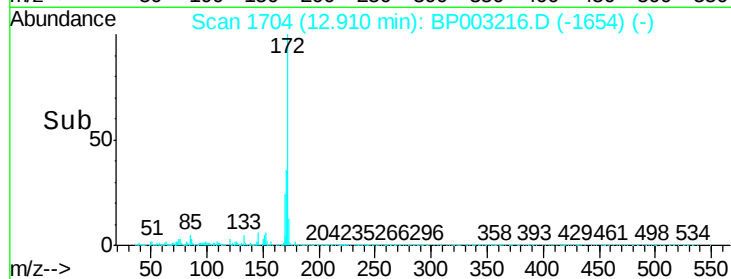
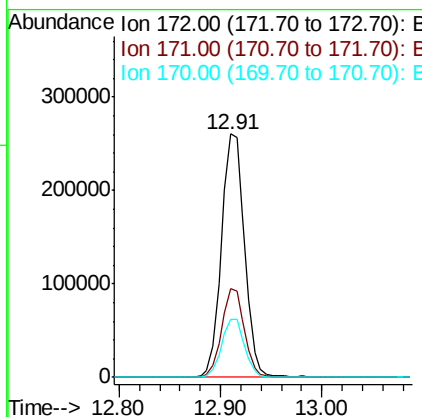
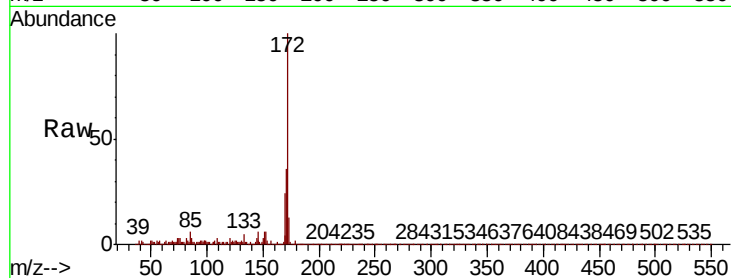




#45
2-Fluorobiphenyl
Concen: 9.391 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

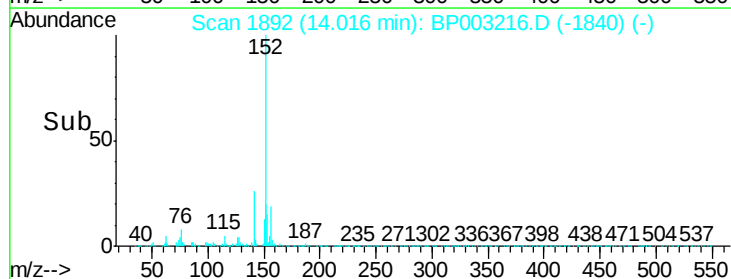
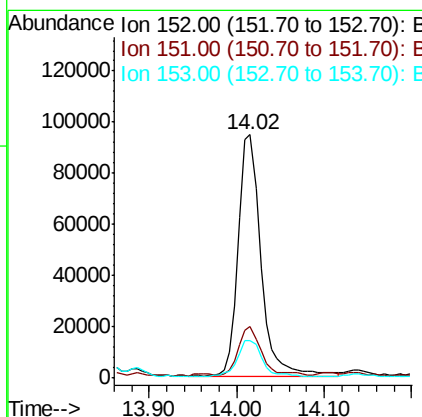
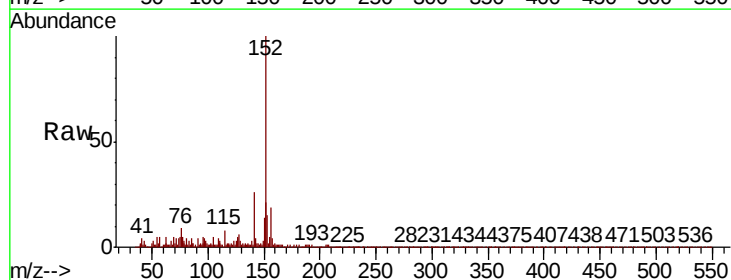
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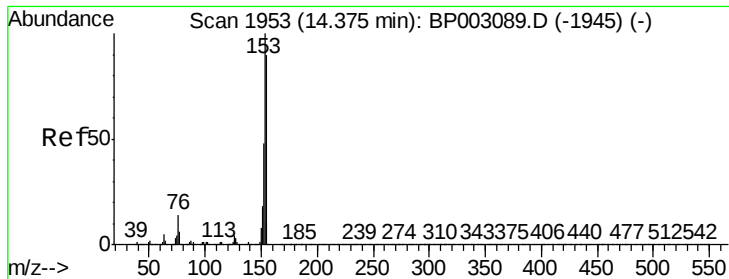
Tot Ion:172 Resp: 412983
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 23.7 19.2 28.8



#49
Acenaphthylene
Concen: 2.768 ng
RT: 14.02 min Scan# 1892
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion:152 Resp: 165491
Ion Ratio Lower Upper
152 100
151 21.2 15.9 23.9
153 15.4 10.5 15.7





#52

Acenaphthene

Concen: 2.604 ng

RT: 14.36 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

BNA_P

ClientSampleId :

TP-2

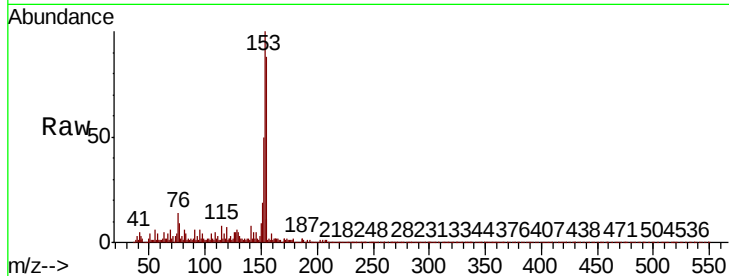
Tot Ion:154 Resp: 95646

Ion Ratio Lower Upper

154 100

153 113.0 91.0 136.6

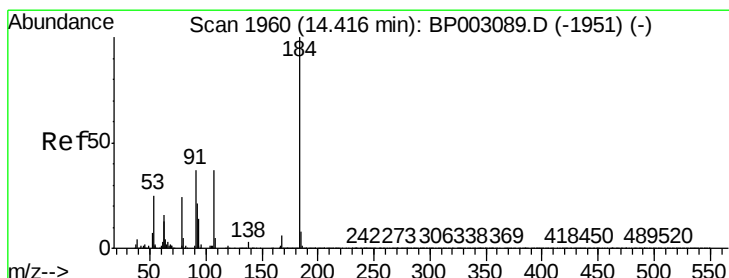
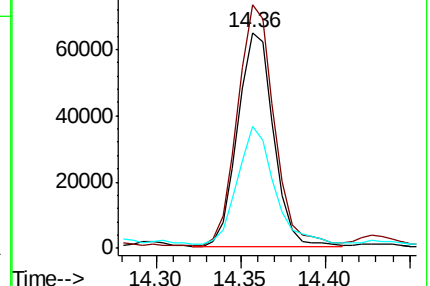
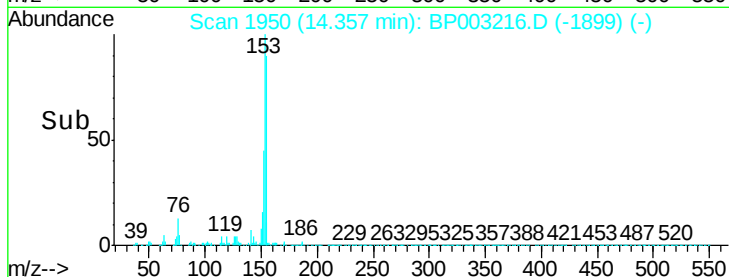
152 56.6 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 7.780 ng

RT: 14.40 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

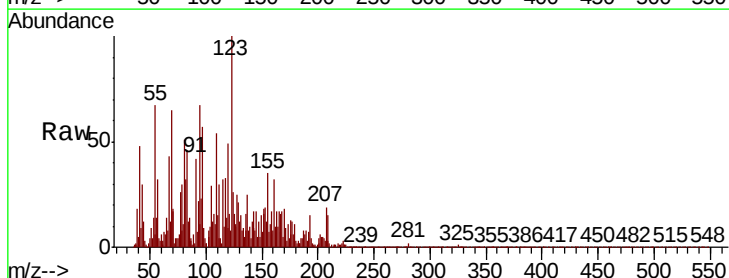
Tgt Ion:184 Resp: 153

Ion Ratio Lower Upper

184 100

63 398.3 32.3 48.5#

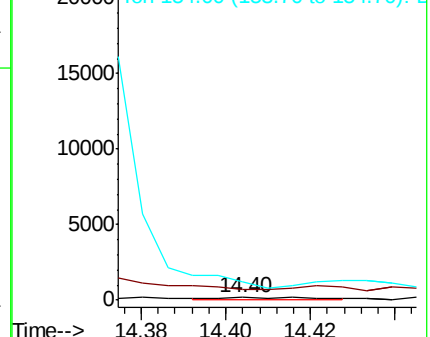
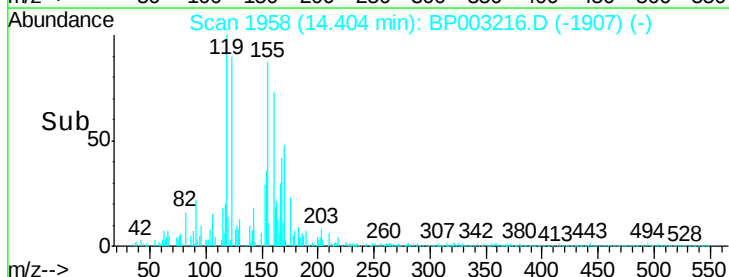
154 661.2 49.1 73.7#

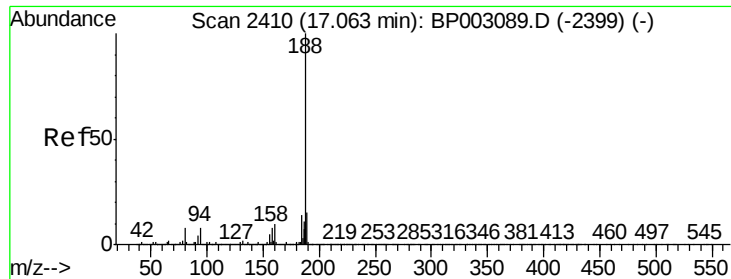


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

BNA_P

ClientSampled :

TP-2

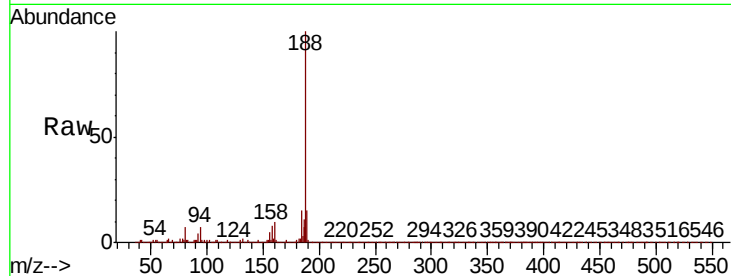
Tot Ion:188 Resp: 1130993

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.2

80 7.4 6.2 9.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO

1000000

800000

600000

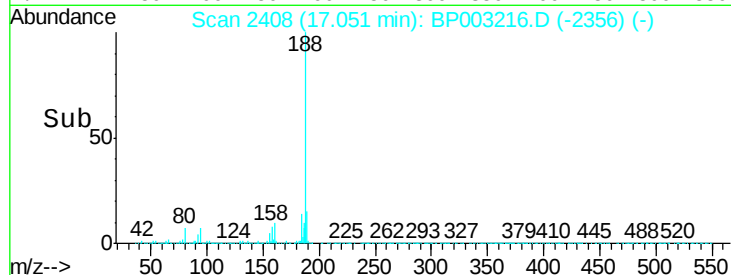
400000

200000

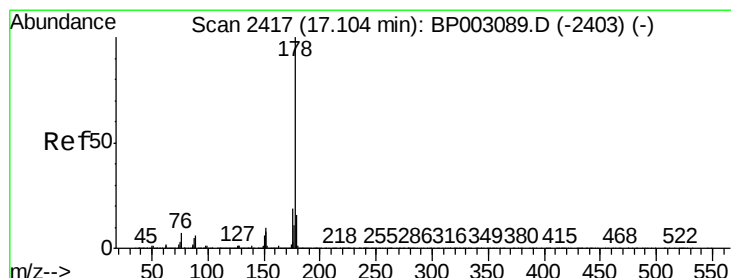
0

17.05

17.00 17.10



Time-->



#71

Phenanthrene

Concen: 14.139 ng

RT: 17.09 min Scan# 2415

Delta R.T. 0.01 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

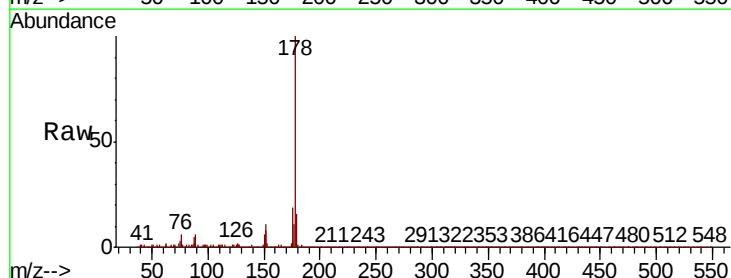
Tgt Ion:178 Resp: 866510

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

800000

600000

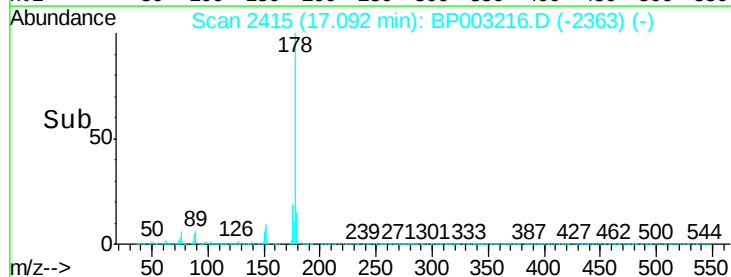
400000

200000

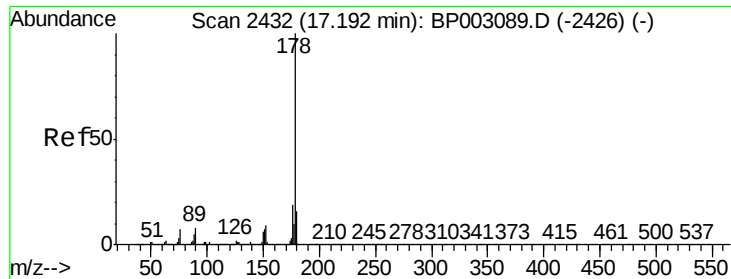
0

17.09

17.00 17.10 17.15



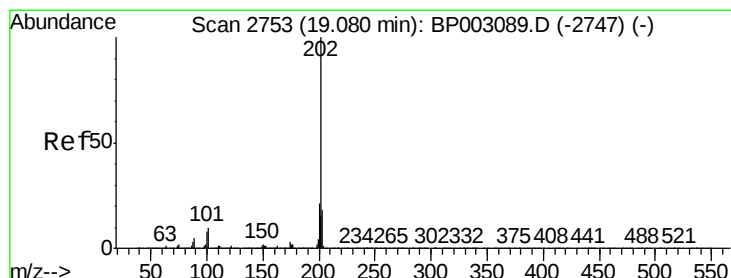
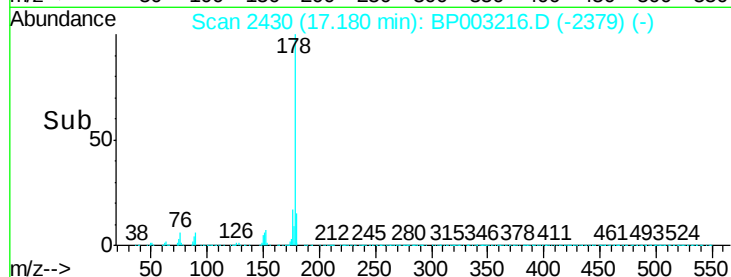
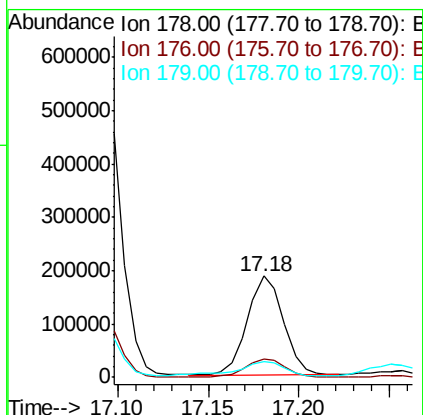
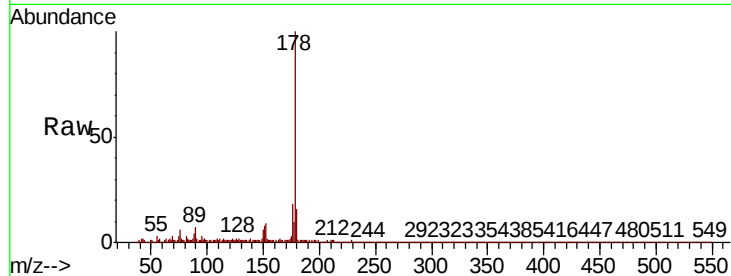
Time-->



#72
 Anthracene
 Concen: 4.446 ng
 RT: 17.18 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

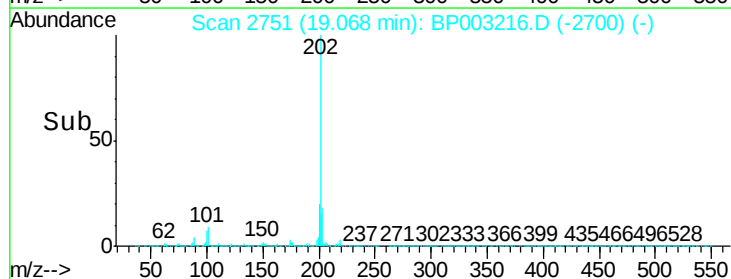
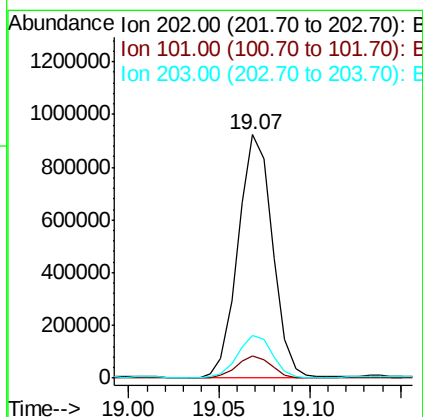
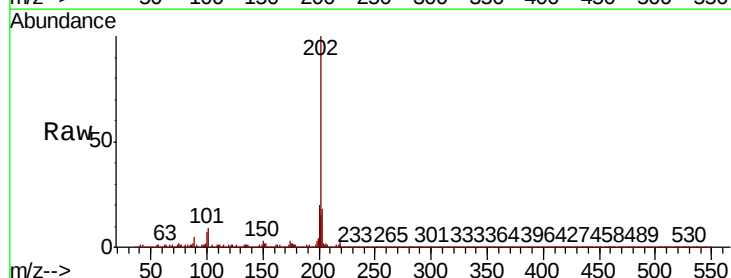
Instrument :
 BNA_P
 ClientSampleId :
 TP-2

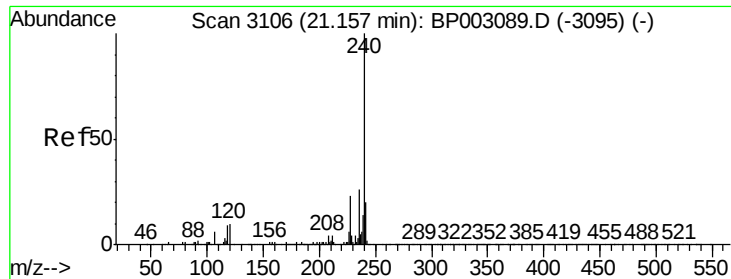
Tot Ion:178 Resp: 260770
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.4
 179 15.7 12.5 18.7



#75
 Fluoranthene
 Concen: 17.181 ng
 RT: 19.07 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

Tgt Ion:202 Resp: 1216923
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 29.4
 203 17.8 0.0 37.8

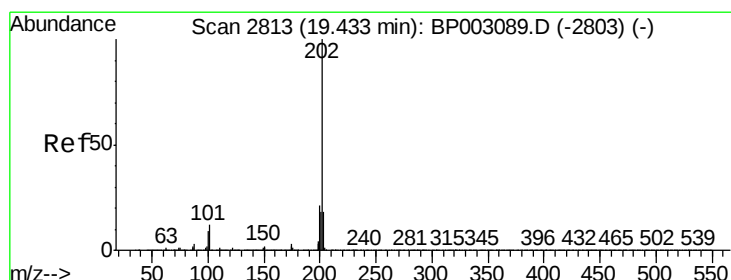
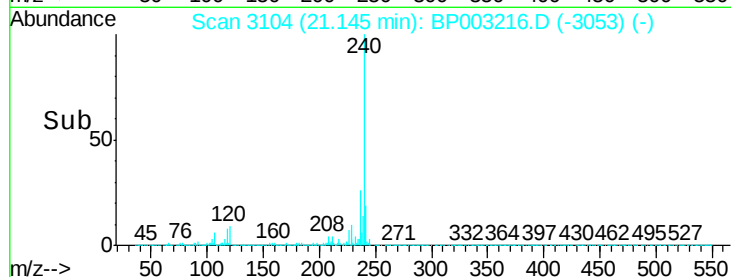
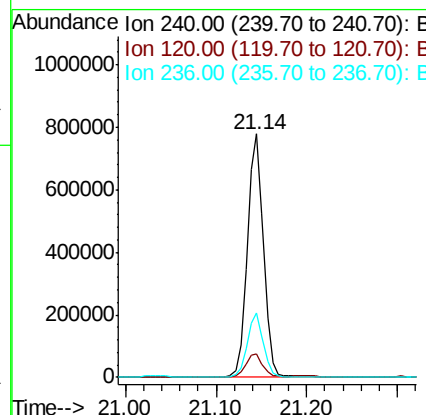
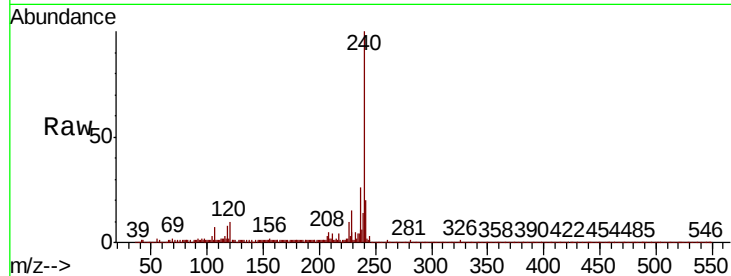




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

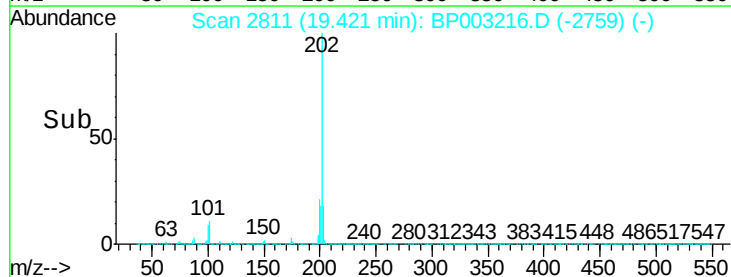
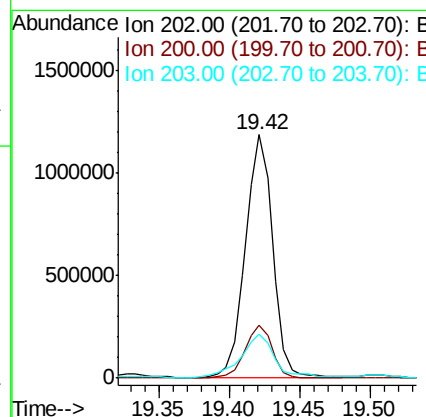
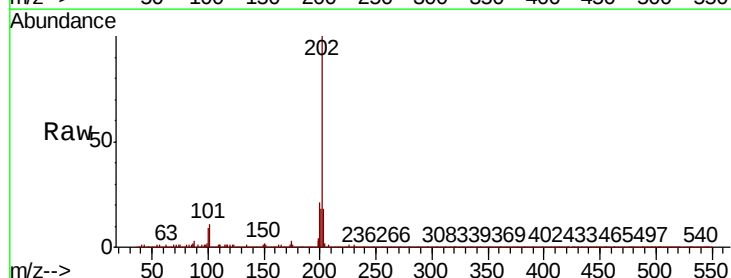
Instrument :
BNA_P
ClientSampled :
TP-2

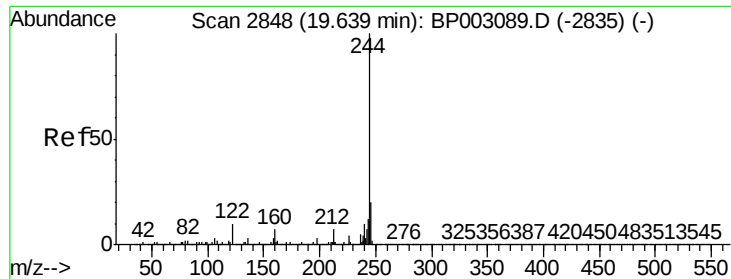
Tot Ion:240 Resp: 951450
Ion Ratio Lower Upper
240 100
120 9.8 7.8 11.6
236 26.4 20.8 31.2



#78
Pyrene
Concen: 25.944 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion:202 Resp: 1602095
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 8.289 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

Instrument :

BNA_P

ClientSampleId :

TP-2

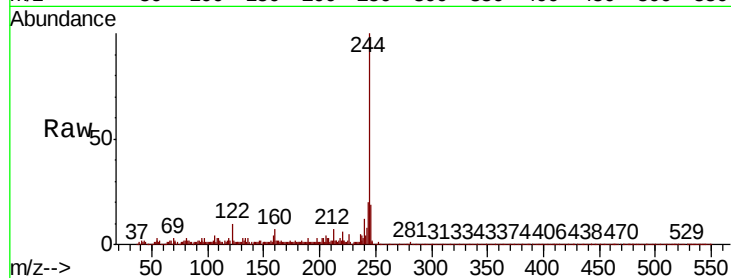
Tot Ion:244 Resp: 358408

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

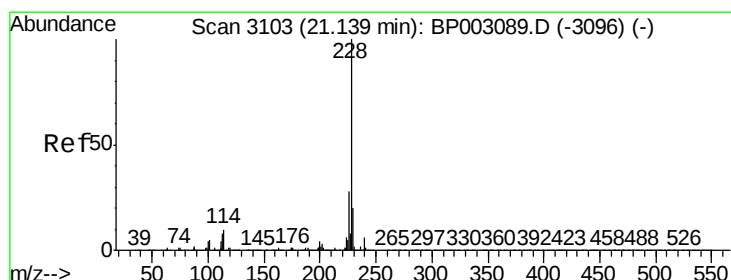
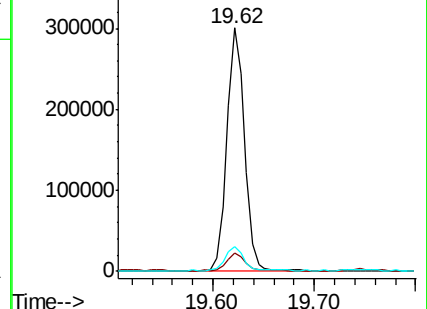
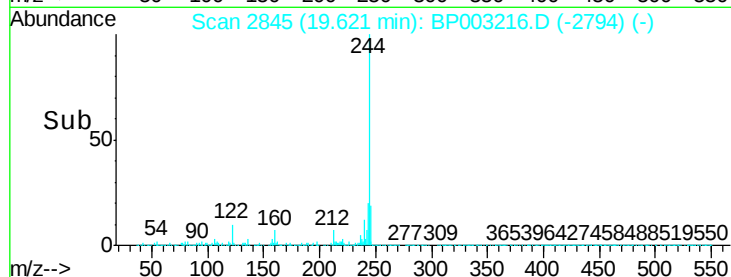
122 10.2 7.8 11.8



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: 14.442 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BP003216.D

Acq: 04 Sep 2020 17:50

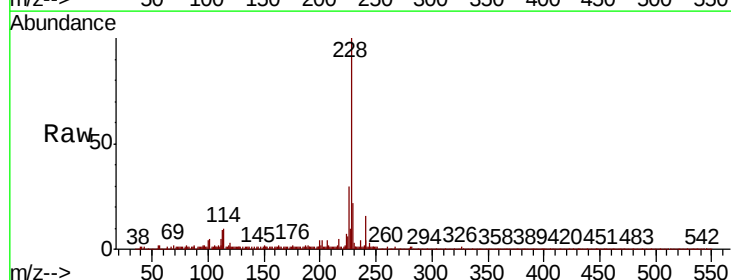
Tgt Ion:228 Resp: 860681

Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

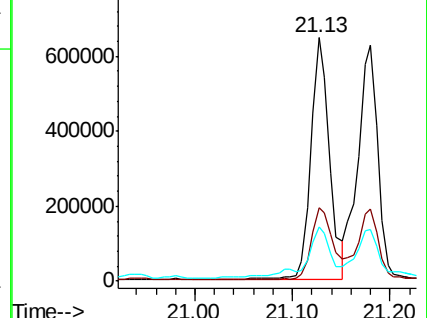
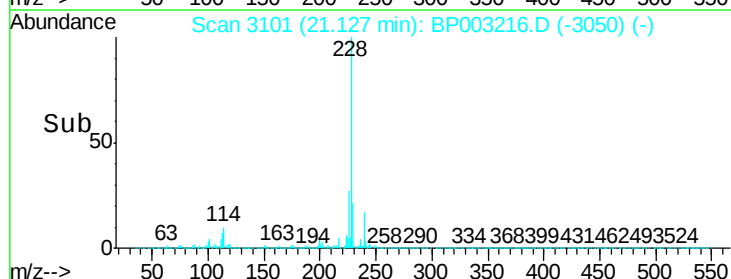
229 22.4 15.9 23.9

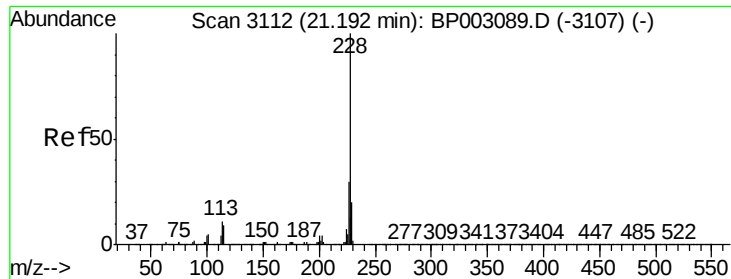


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

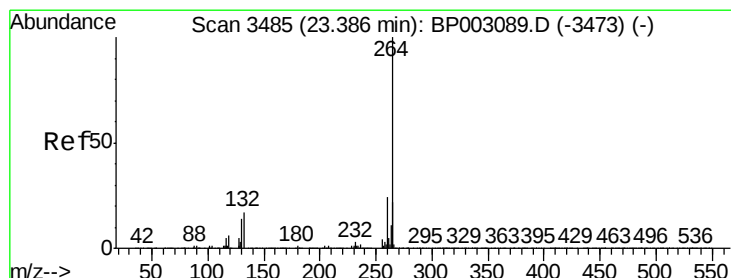
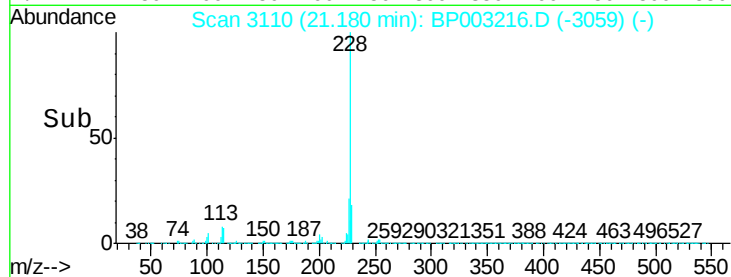
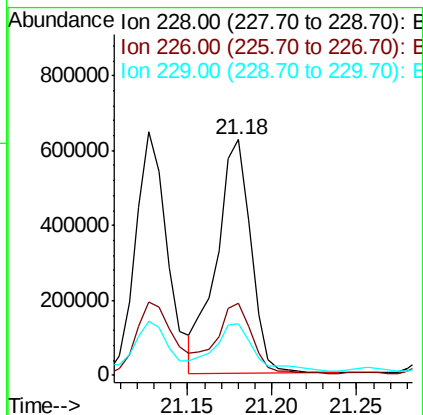
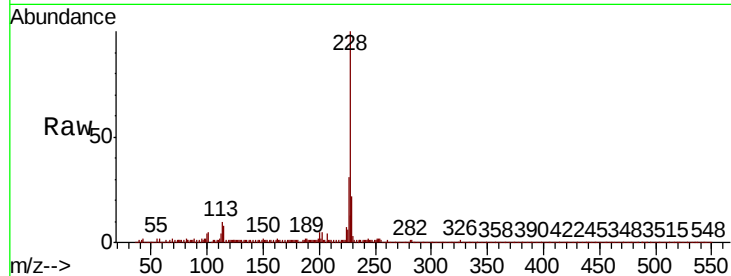




#83
Chrysene
Concen: 15.525 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

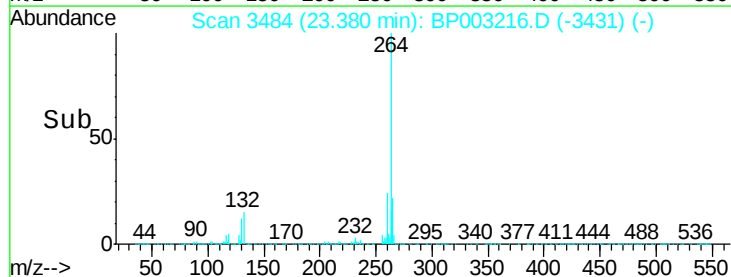
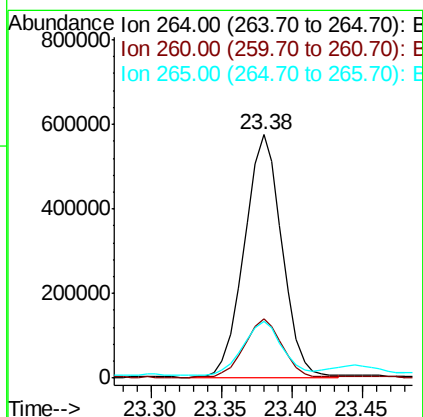
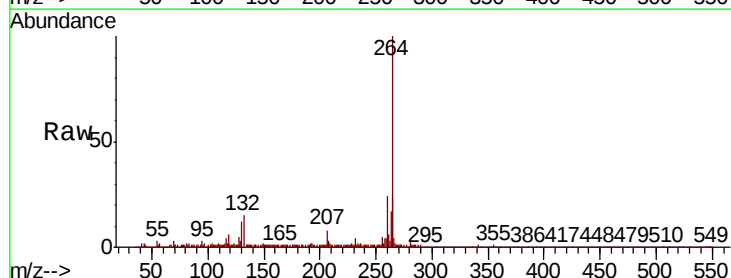
Instrument :
BNA_P
ClientSampleId :
TP-2

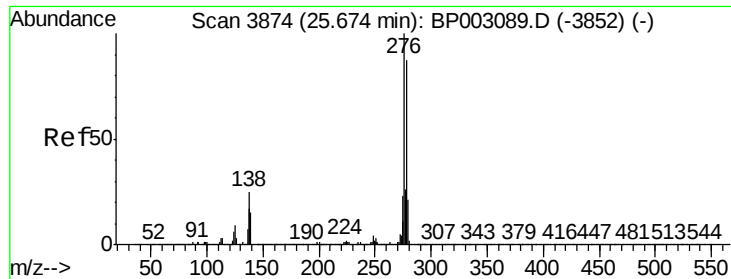
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	22.1	15.8	23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	23.1	17.4	26.2

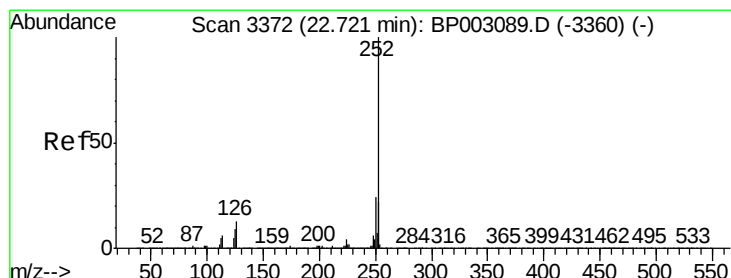
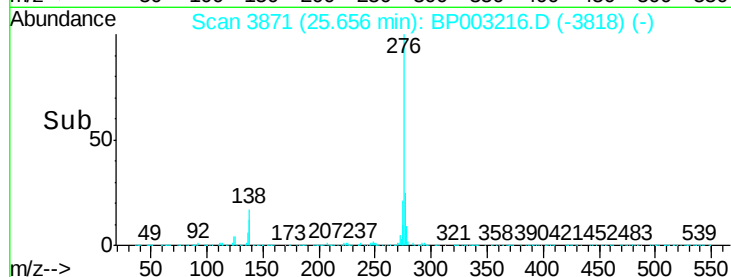
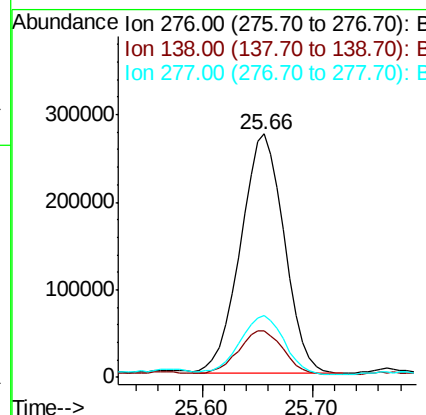
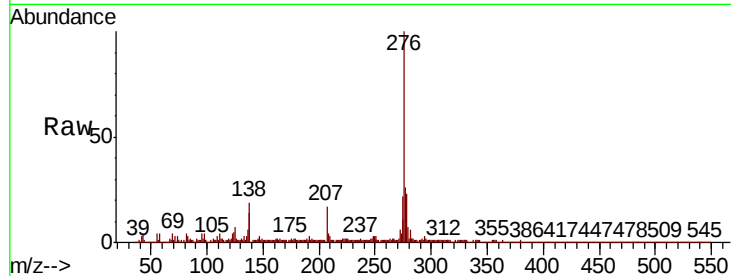




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.479 ng
 RT: 25.66 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

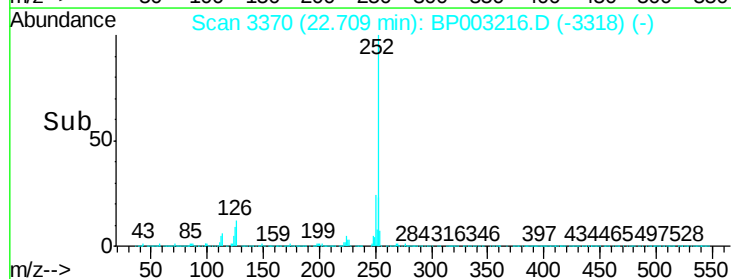
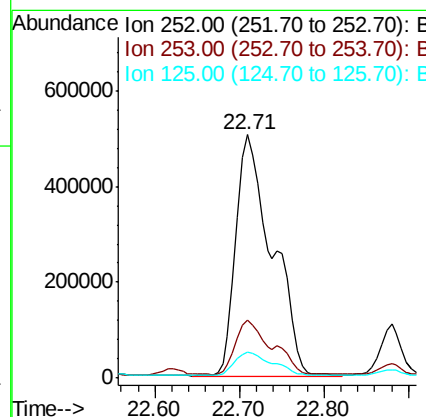
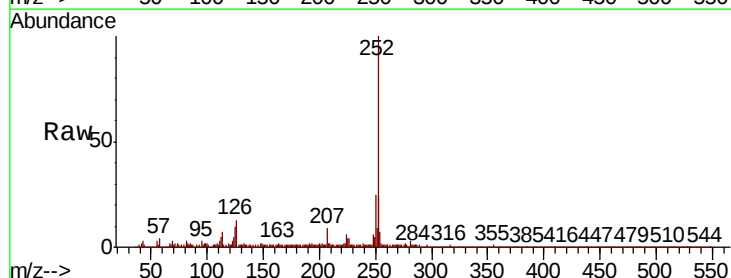
Instrument :
 BNA_P
 ClientSampleId :
 TP-2

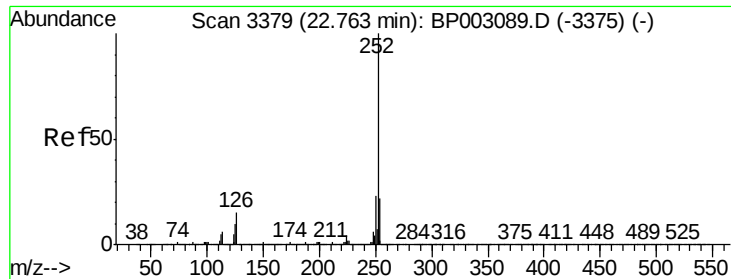
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	18.7	28.1
277	24.8	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 22.367 ng
 RT: 22.71 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: BP003216.D
 Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	10.4	7.3	10.9

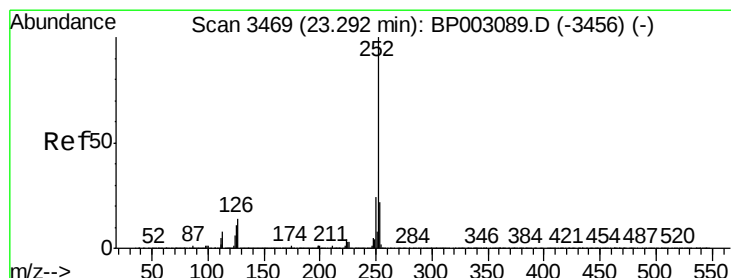
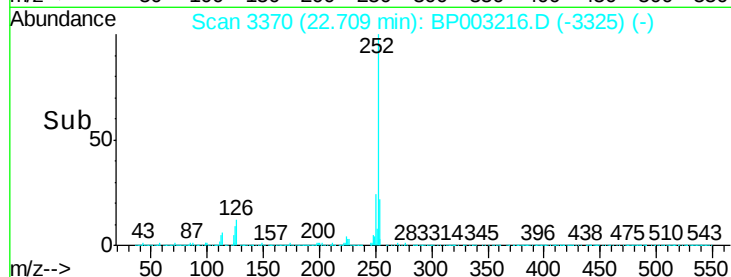
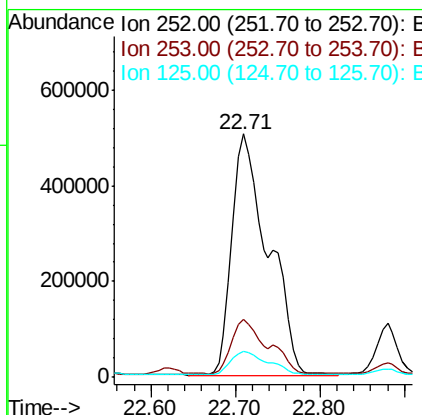
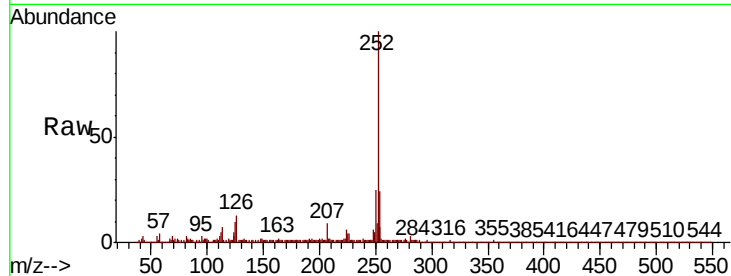




#89
Benzo(k)fluoranthene
Concen: 23.410 ng
RT: 22.71 min Scan# 3370
Delta R.T. -0.04 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

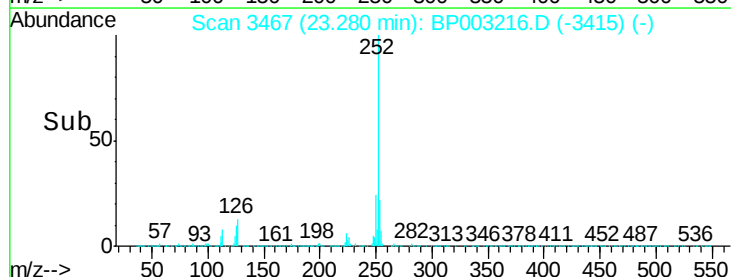
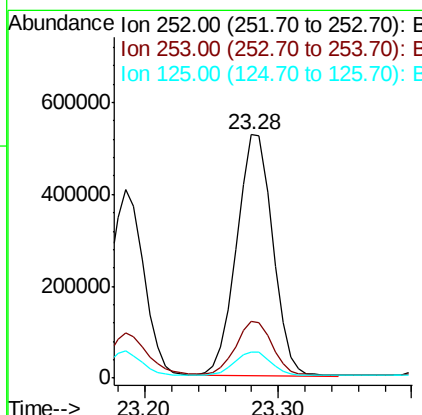
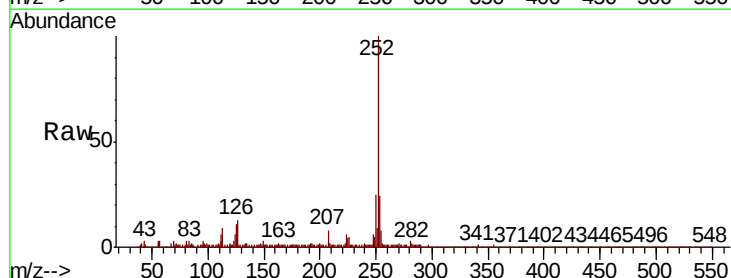
Instrument :
BNA_P
ClientSampleId :
TP-2

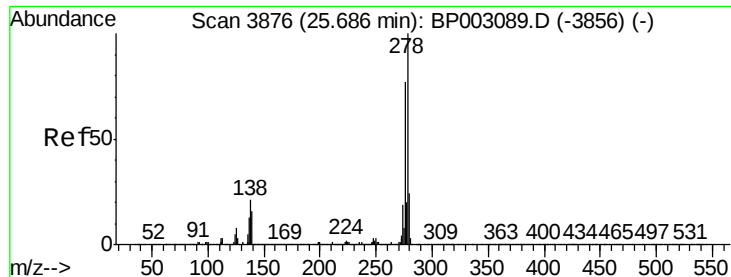
Tot Ion:252 Resp: 1489693
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 10.4 7.4 11.2



#90
Benzo(a)pyrene
Concen: 15.971 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion:252 Resp: 986861
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 10.8 8.2 12.4

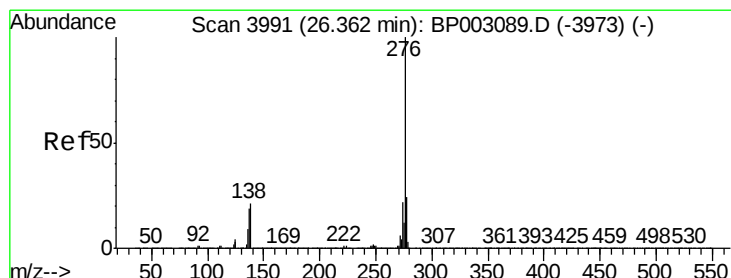
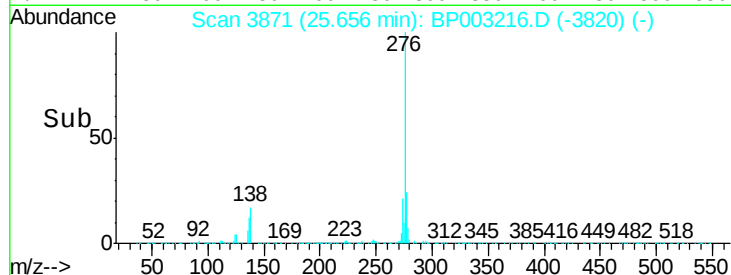
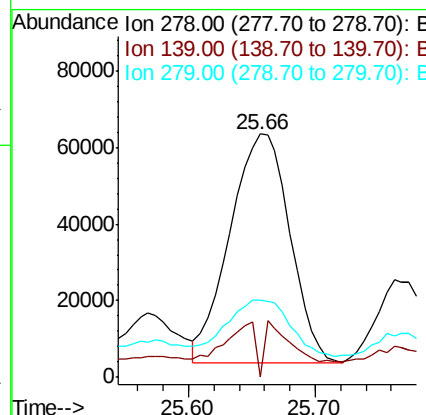
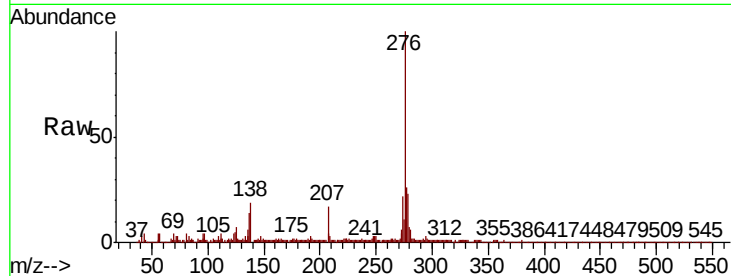




#91
Dibenzo(a,h)anthracene
Concen: 2.973 ng
RT: 25.66 min Scan# 3871
Delta R.T. -0.00 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Instrument :
BNA_P
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6#
279	31.9	19.0	28.6#



#92
Benzo(g,h,i)perylene
Concen: 13.396 ng
RT: 26.35 min Scan# 3989
Delta R.T. 0.02 min
Lab File: BP003216.D
Acq: 04 Sep 2020 17:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	19.9	16.6	24.8

