

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003207.D
 Acq On : 04 Sep 2020 12:35
 Operator : CG/JU
 Sample : L3871-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-090220

Quant Time: Sep 04 13:49:20 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

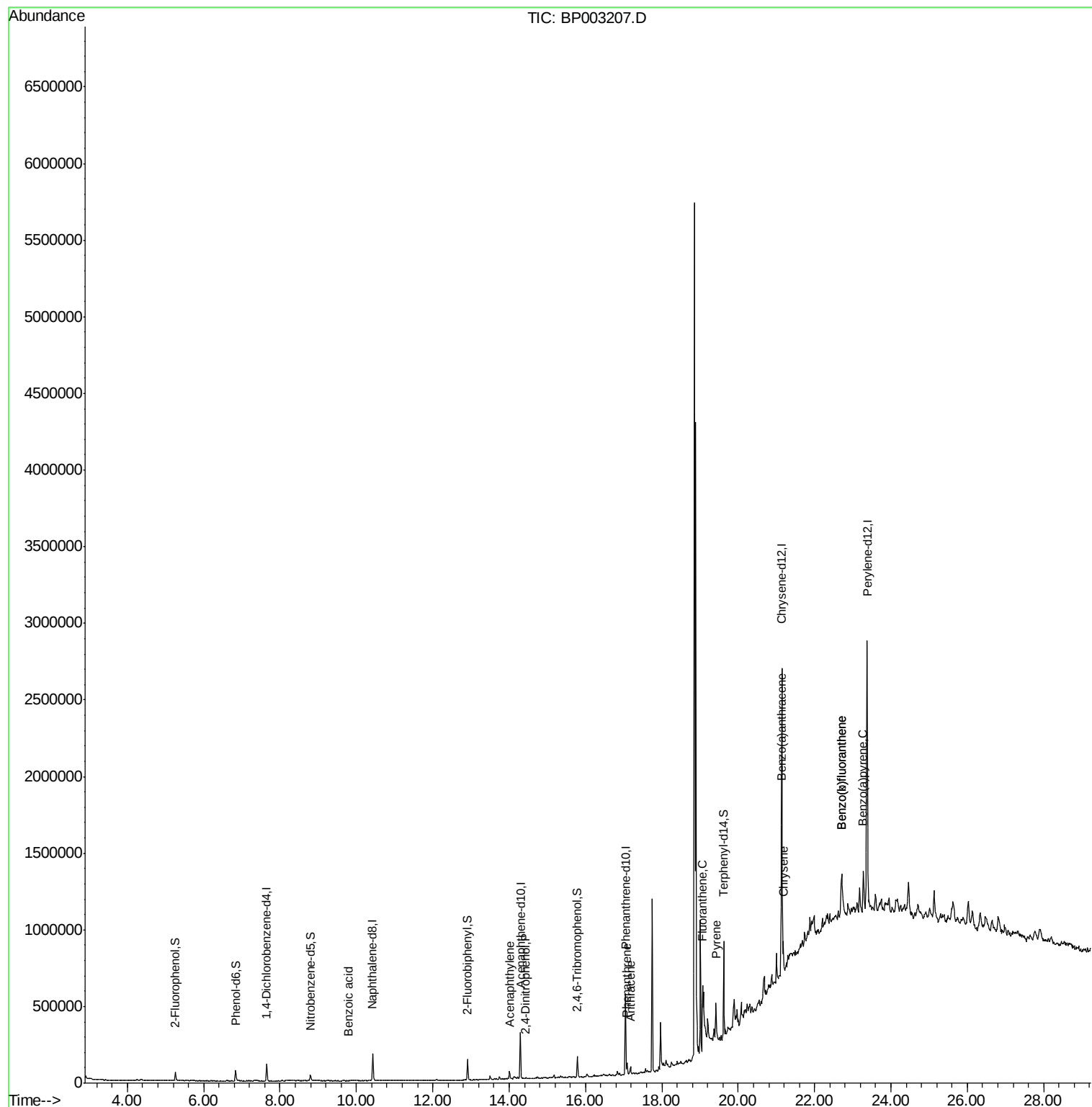
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	35759	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	157227	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	110464	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	325656	20.00	ng	0.00
76) Chrysene-d12	21.14	240	900133	20.00	ng	0.00
86) Perylene-d12	23.37	264	1257953	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	34390	17.00	ng	0.00
7) Phenol-d6	6.83	99	45028	17.76	ng	0.00
23) Nitrobenzene-d5	8.79	82	23325	10.69	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	29690	19.87	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	75051	9.95	ng	0.00
79) Terphenyl-d14	19.62	244	274797	6.72	ng	0.00
Target Compounds						
32) Benzoic acid	9.78	122	155	9.082	ng	# 68
49) Acenaphthylene	14.01	152	44374	4.327	ng	# 96
54) 2,4-Dinitrophenol	14.42	184	26	7.780	ng	# 1
71) Phenanthrene	17.09	178	48682	2.759	ng	# 98
72) Anthracene	17.18	178	36874	2.183	ng	# 99
75) Fluoranthene	19.06	202	125003	6.129	ng	# 98
78) Pyrene	19.42	202	143894	2.463	ng	# 98
81) Benzo(a)anthracene	21.12	228	119312	2.116	ng	# 91
83) Chrysene	21.17	228	119855	2.220	ng	# 95
88) Benzo(b)fluoranthene	22.70	252	263586	3.371	ng	# 80
89) Benzo(k)fluoranthene	22.70	252	263586	3.528	ng	# 81
90) Benzo(a)pyrene	23.27	252	152128	2.097	ng	# 87

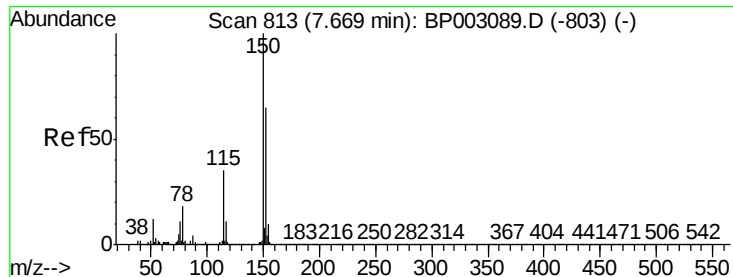
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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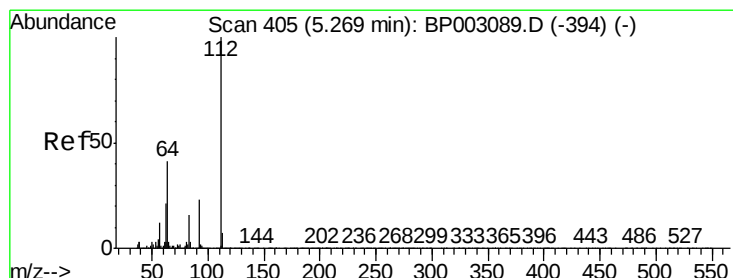
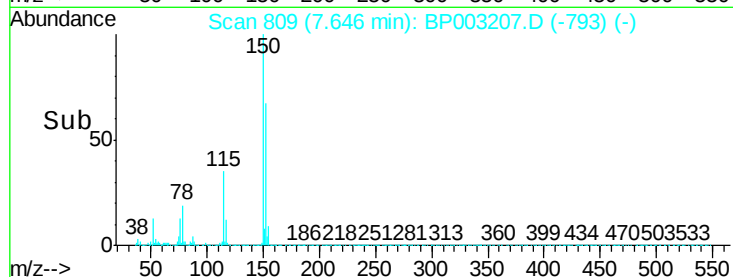
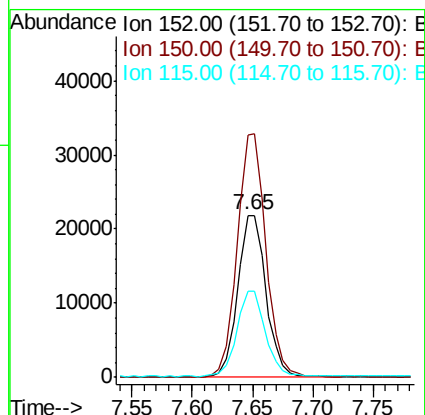
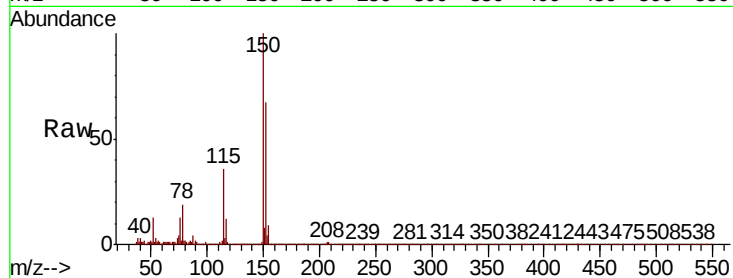


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 809
Delta R.T. -0.01 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

Instrument :
BNA_P
ClientSampleId :
TR-05-090220

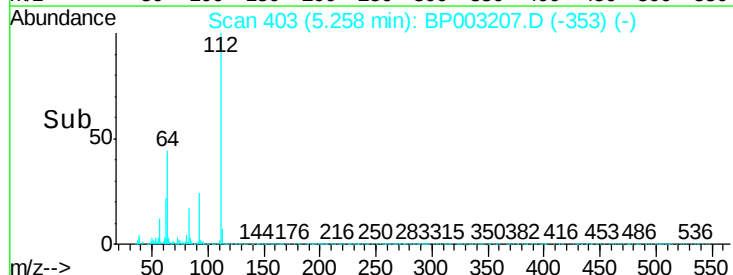
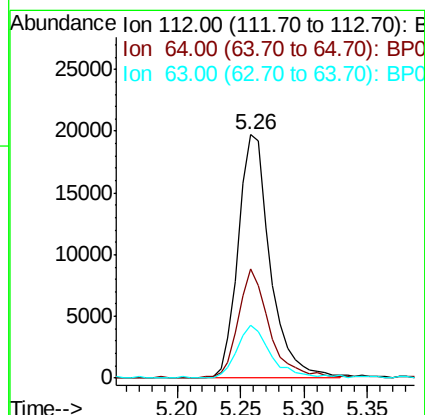
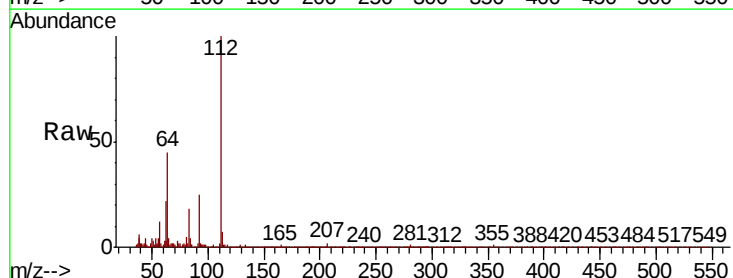
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	123.8	185.6
115	53.6	43.8	65.6



#5

2-Fluorophenol
Concen: 17.003 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.6	32.8	49.2
63	21.8	17.0	25.4





#7

Phenol-d6

Concen: 17.760 ng

RT: 6.83 min Scan# 671

Delta R.T. 0.00 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

Instrument :

BNA_P

ClientSampleId :

TR-05-090220

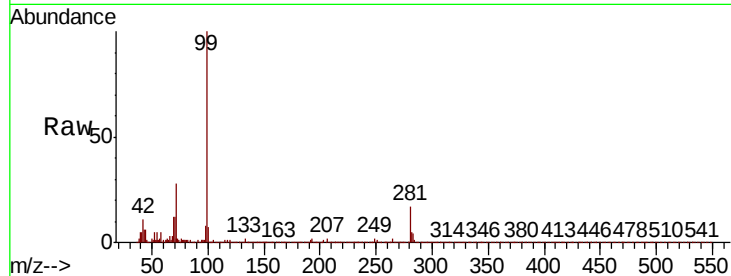
Tot Ion: 99 Resp: 45028

Ion Ratio Lower Upper

99 100

42 11.2 8.6 13.0

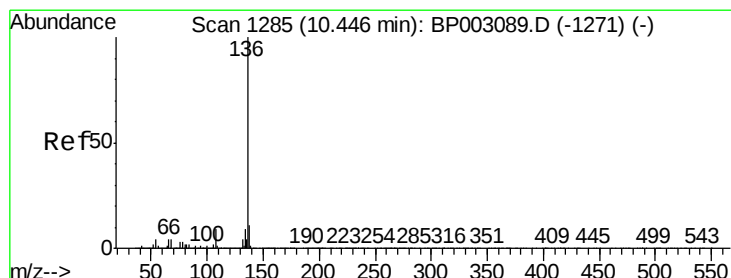
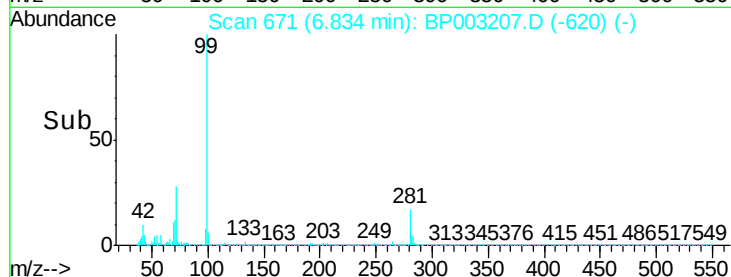
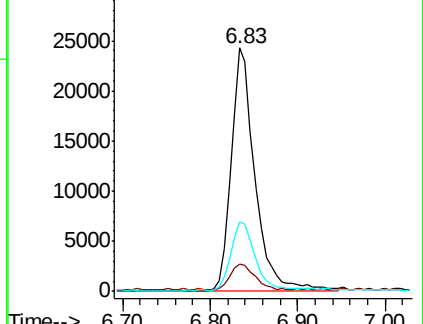
71 28.4 23.4 35.2



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: BP003207.D

Acq: 04 Sep 2020 12:35

Tgt Ion: 136 Resp: 157227

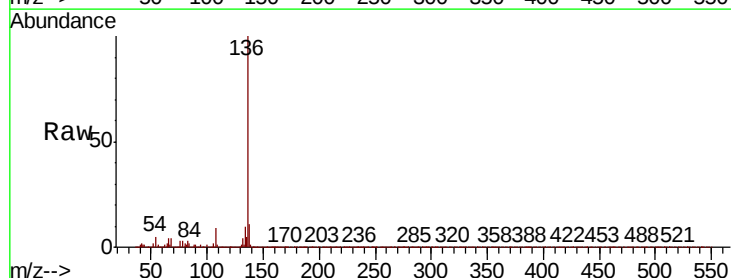
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 4.8 3.6 5.4

68 4.5 3.3 4.9

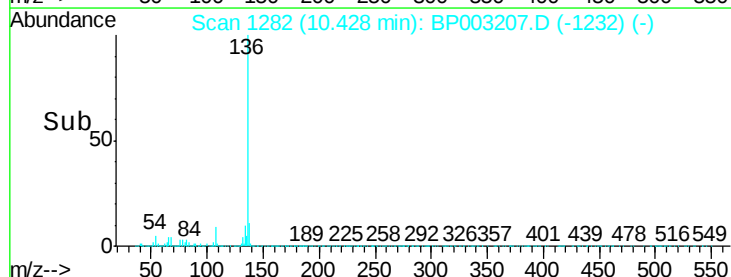
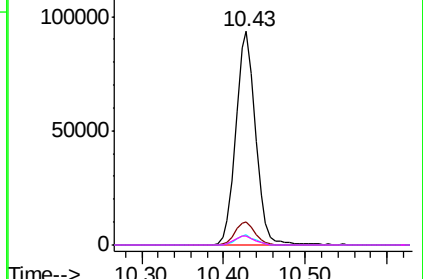


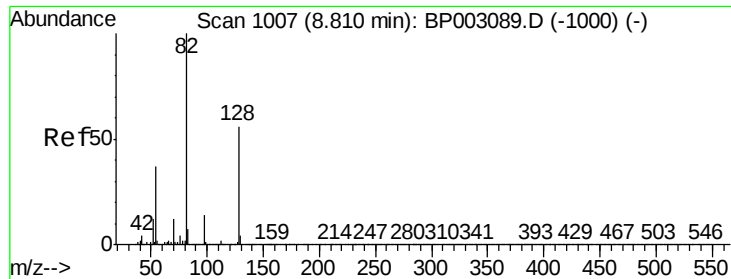
Abundance Ion 136.00 (135.70 to 136.70): E

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

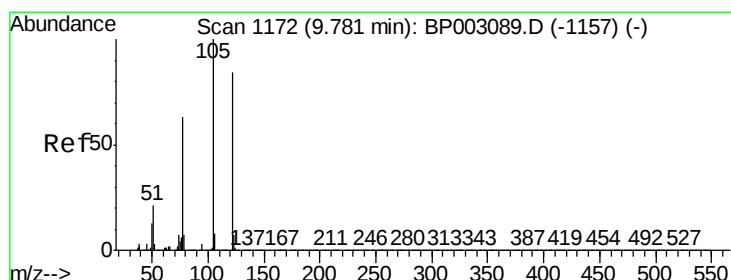
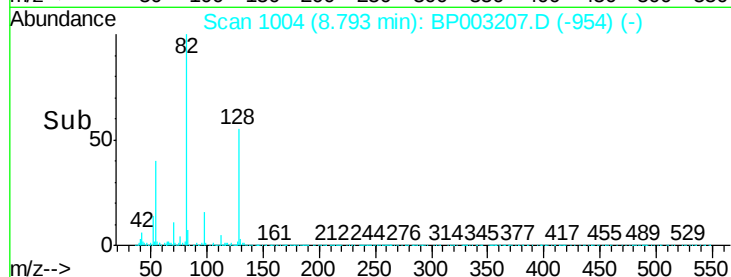
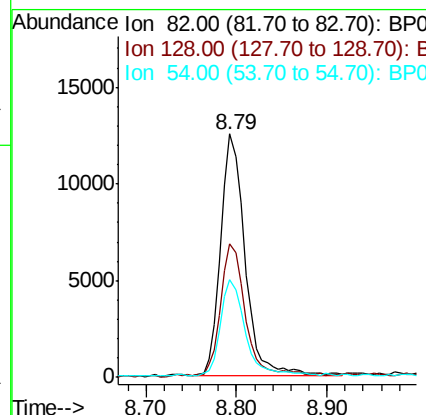
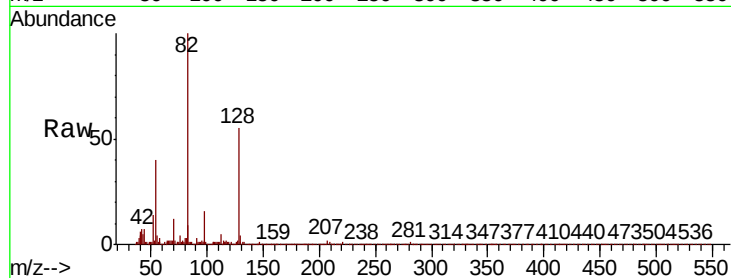




#23
 Nitrobenzene-d5
 Concen: 10.695 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003207.D
 Acq: 04 Sep 2020 12:35

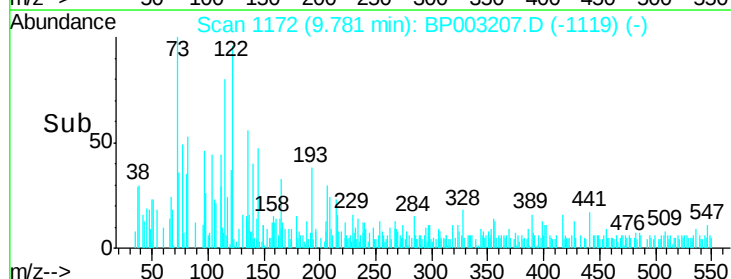
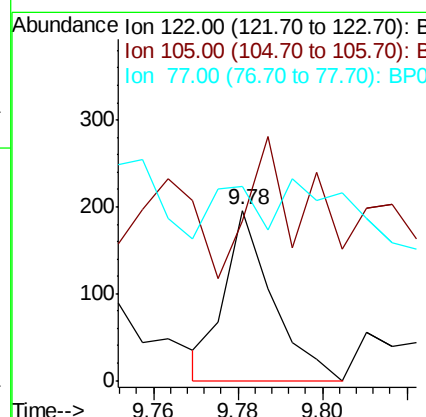
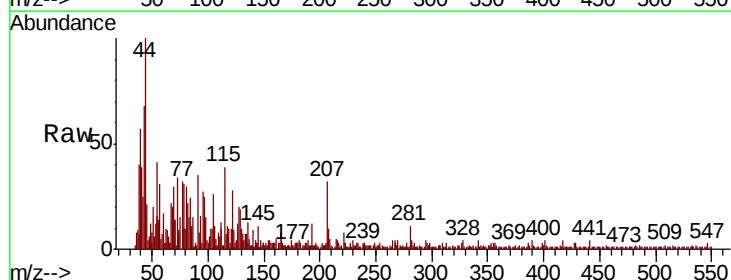
Instrument :
 BNA_P
 ClientSampleId :
 TR-05-090220

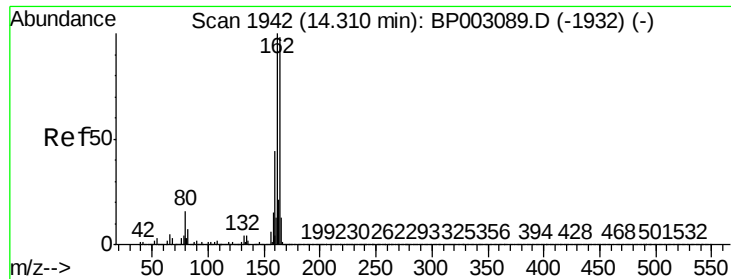
Tot Ion:	82	Resp:	23325
Ion	Ratio	Lower	Upper
82	100		
128	54.6	45.6	68.4
54	40.1	30.1	45.1



#32
 Benzoic acid
 Concen: 9.082 ng
 RT: 9.78 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BP003207.D
 Acq: 04 Sep 2020 12:35

Tgt Ion:	122	Resp:	155
Ion	Ratio	Lower	Upper
122	100		
105	93.4	94.1	134.1#
77	114.3	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: BP003207.D

Acq: 04 Sep 2020 12:35

Instrument :

BNA_P

ClientSampleId :

TR-05-090220

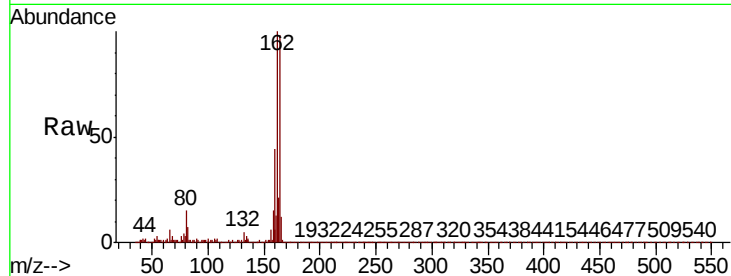
Tot Ion:164 Resp: 110464

Ion Ratio Lower Upper

164 100

162 101.5 79.4 119.2

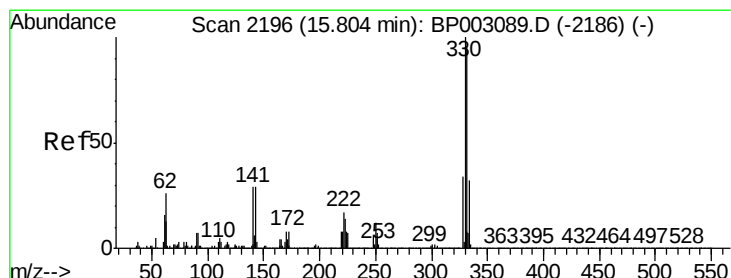
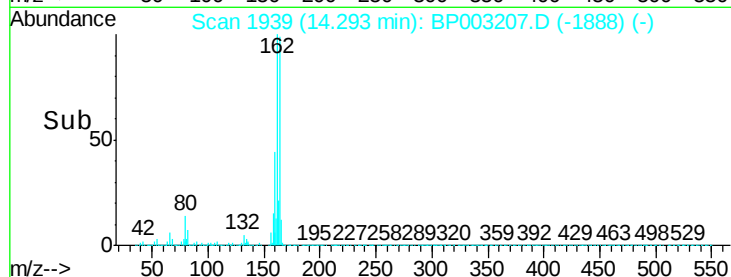
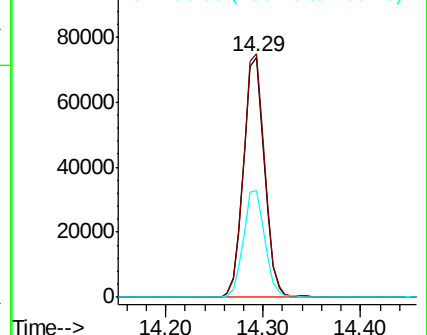
160 44.6 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 19.873 ng

RT: 15.79 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

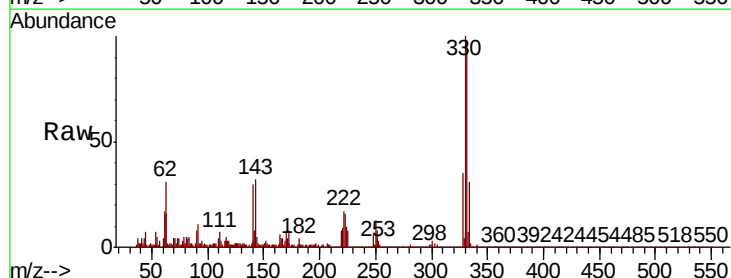
Tgt Ion:330 Resp: 29690

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

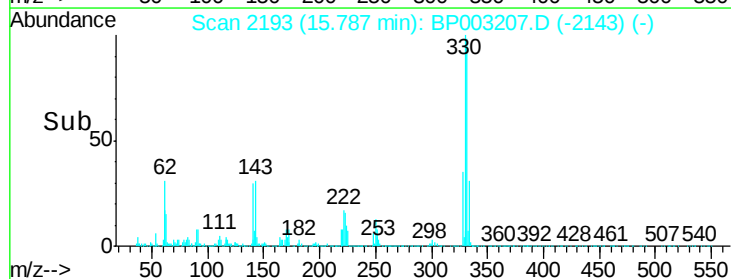
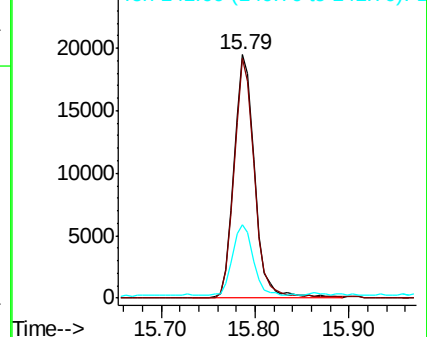
141 29.3 23.4 35.2

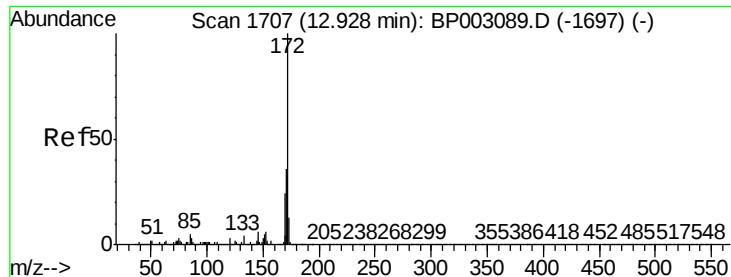


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

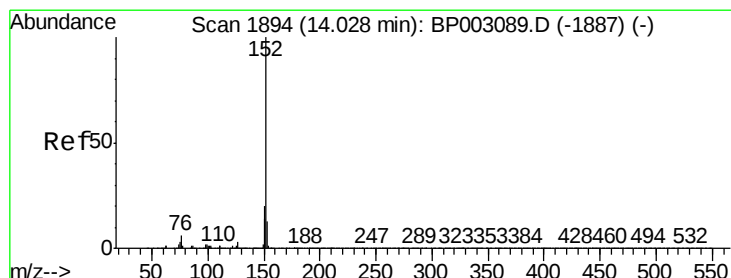
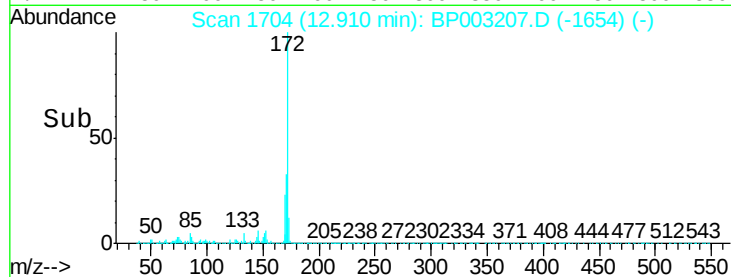
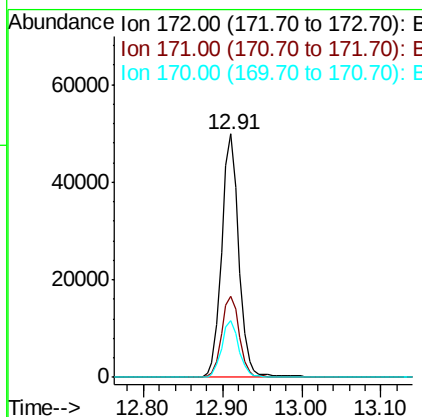
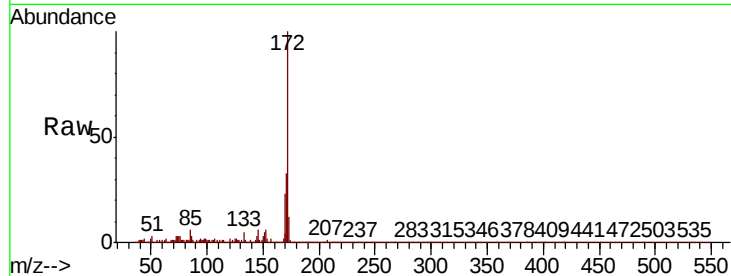




#45
2-Fluorobiphenyl
Concen: 9.950 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

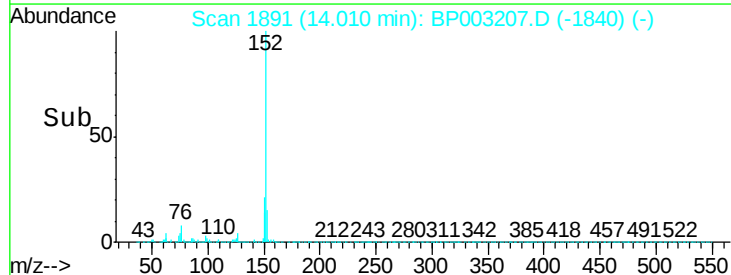
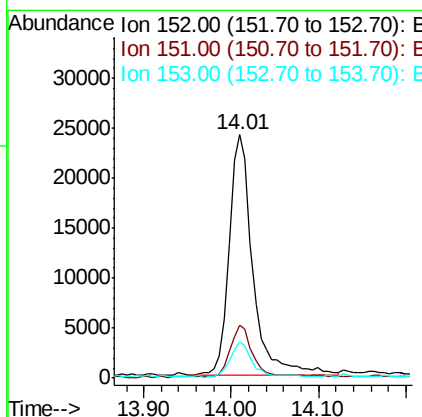
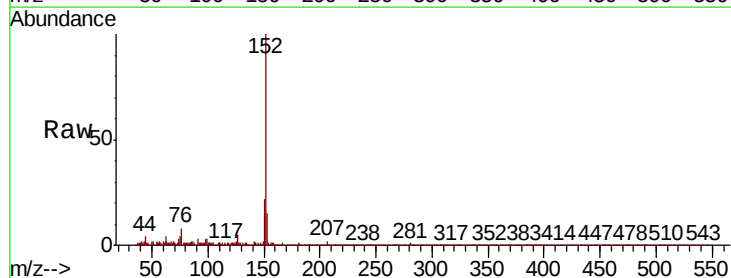
Instrument :
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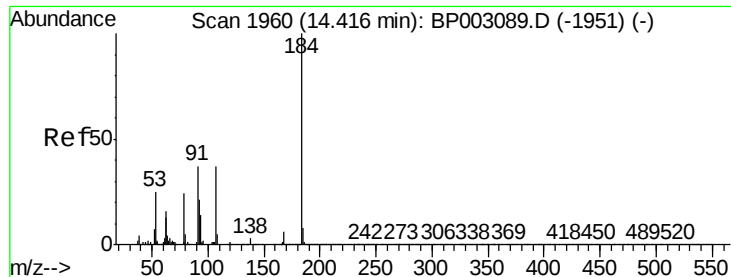
Tot Ion:172 Resp: 75051
Ion Ratio Lower Upper
172 100
171 33.5 28.5 42.7
170 23.4 19.2 28.8



#49
Acenaphthylene
Concen: 4.327 ng
RT: 14.01 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

Tgt Ion:152 Resp: 44374
Ion Ratio Lower Upper
152 100
151 21.6 15.9 23.9
153 15.1 10.5 15.7

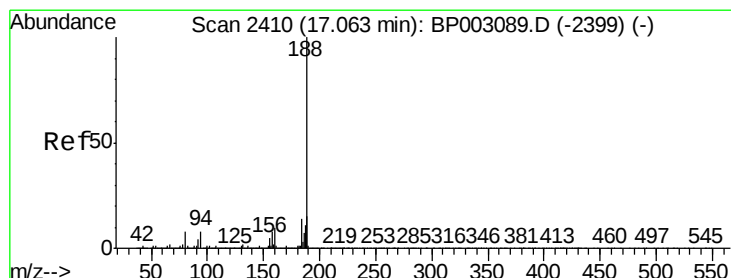
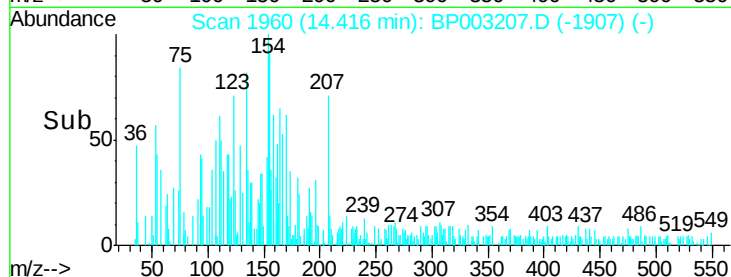
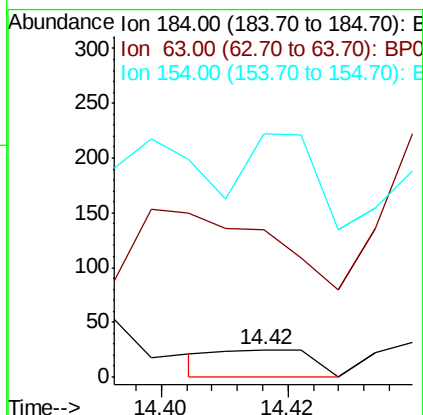
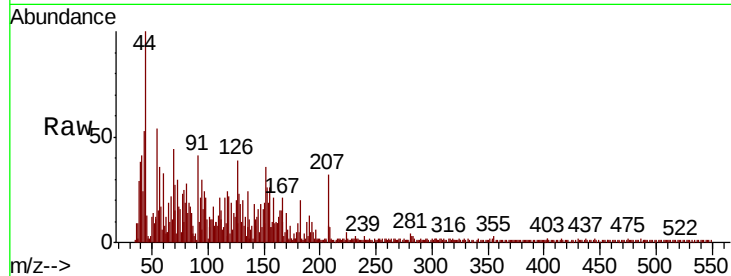




#54
 2,4-Dinitrophenol
 Concen: 7.780 ng
 RT: 14.42 min Scan# 1960
 Delta R.T. 0.01 min
 Lab File: BP003207.D
 Acq: 04 Sep 2020 12:35

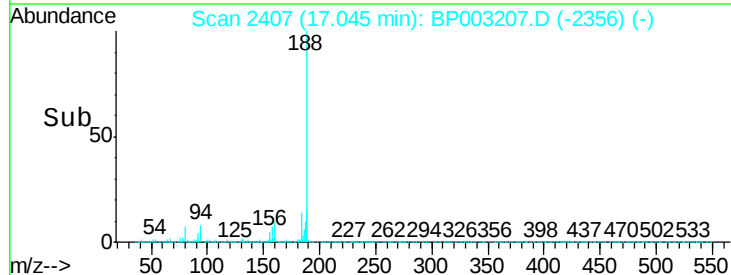
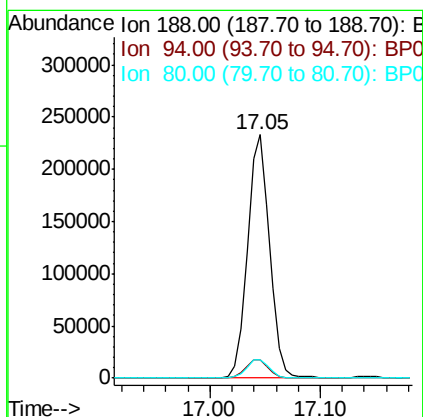
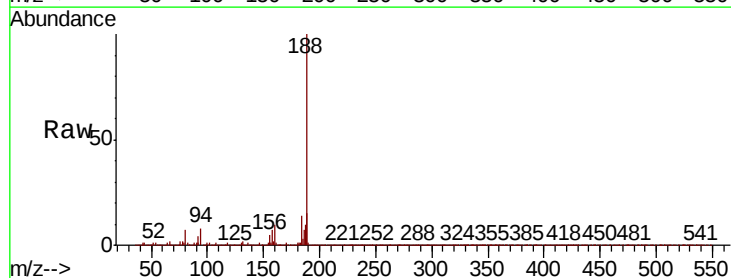
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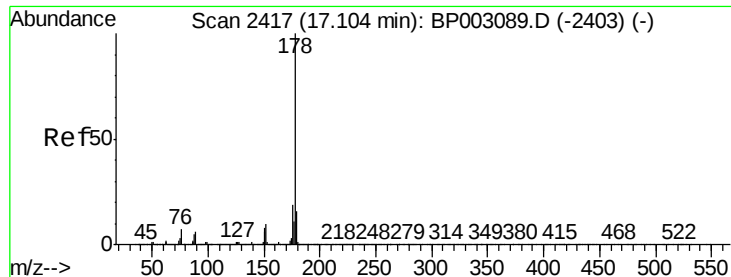
Tot Ion:184 Resp: 26
 Ion Ratio Lower Upper
 184 100
 63 784.0 32.3 48.5#
 154 888.0 49.1 73.7#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BP003207.D
 Acq: 04 Sep 2020 12:35

Tgt Ion:188 Resp: 325656
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.2 9.2
 80 7.4 6.2 9.2





#71

Phenanthrene

Concen: 2.759 ng

RT: 17.09 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

Instrument :

BNA_P

ClientSampleId :

TR-05-090220

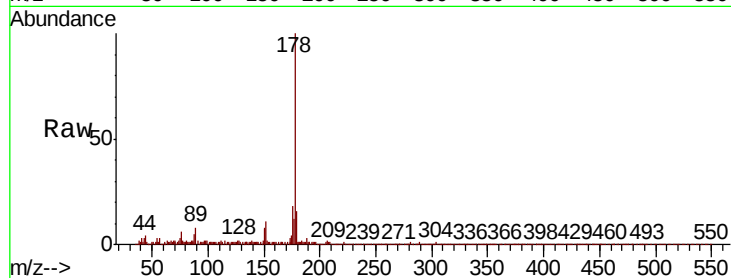
Tot Ion:178 Resp: 48682

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

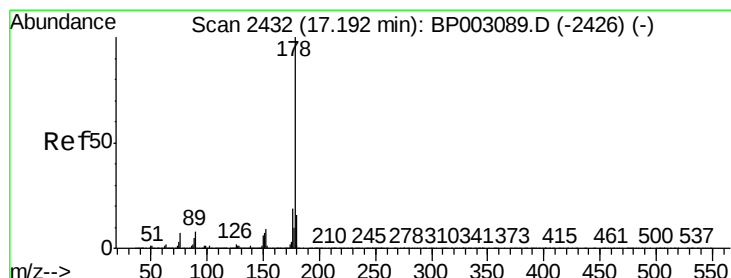
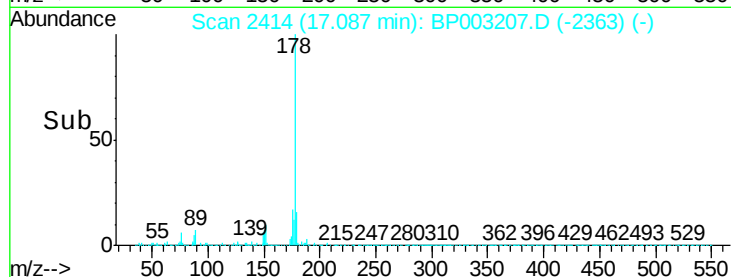
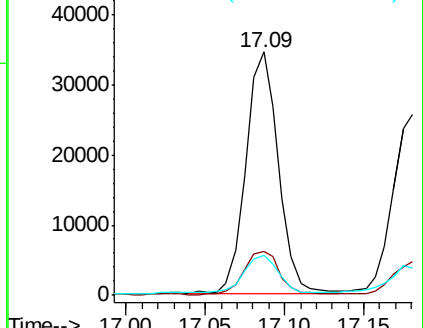
179 16.3 12.5 18.7



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



#72

Anthracene

Concen: 2.183 ng

RT: 17.18 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

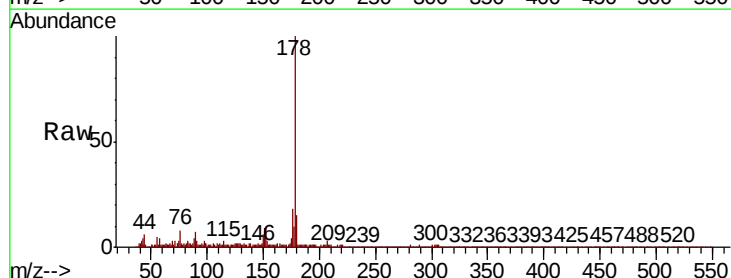
Tgt Ion:178 Resp: 36874

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

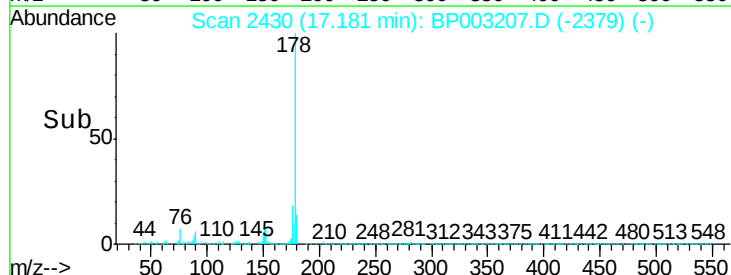
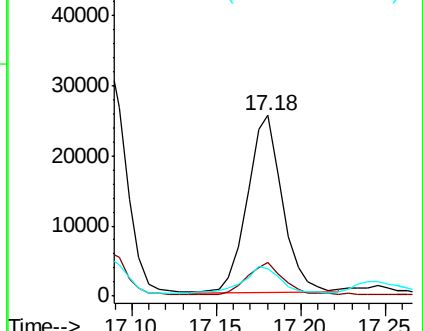
179 15.0 12.5 18.7

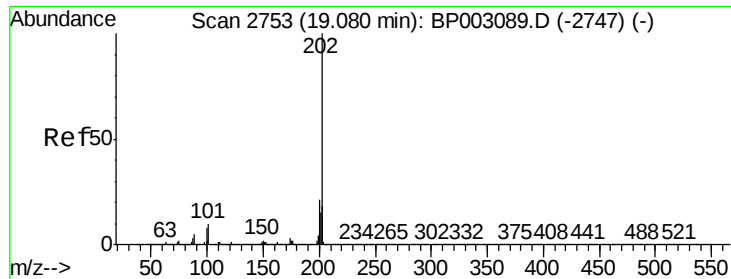


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.129 ng

RT: 19.06 min Scan# 2750

Delta R.T. -0.01 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

Instrument :

BNA_P

ClientSampleId :

TR-05-090220

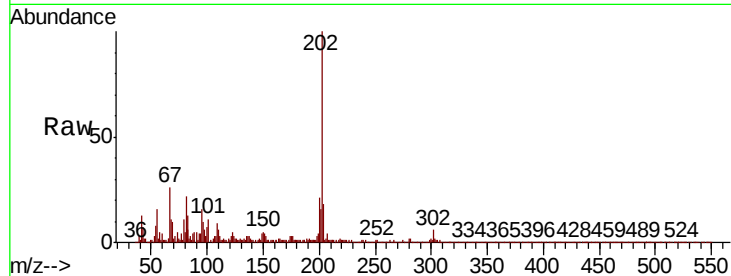
Tot Ion:202 Resp: 125003

Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.4

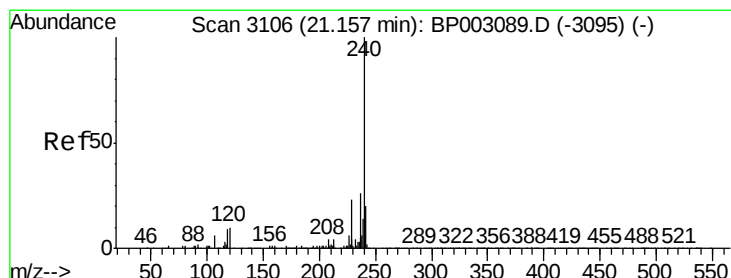
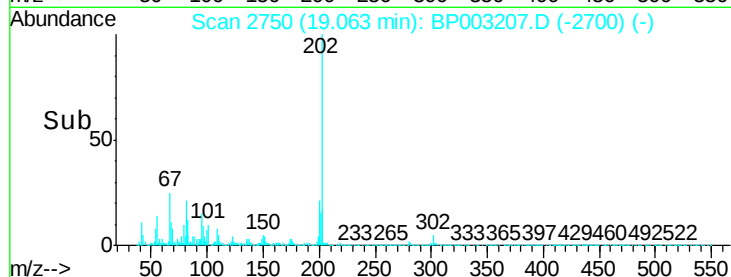
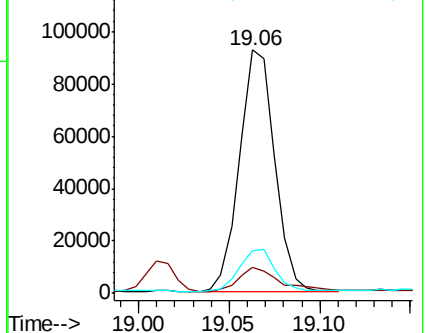
203 17.6 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

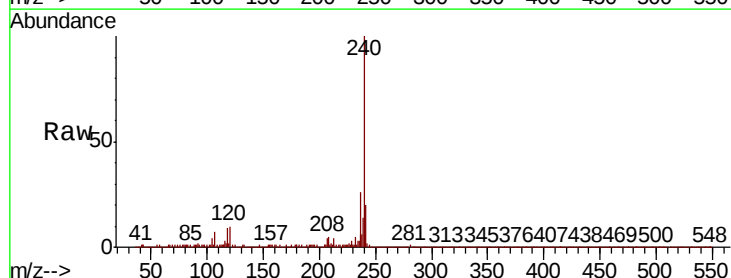
Tgt Ion:240 Resp: 900133

Ion Ratio Lower Upper

240 100

120 9.9 7.8 11.6

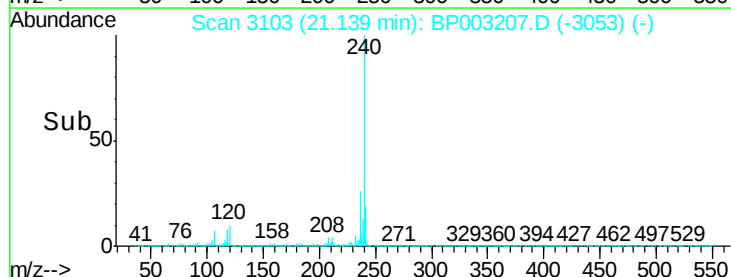
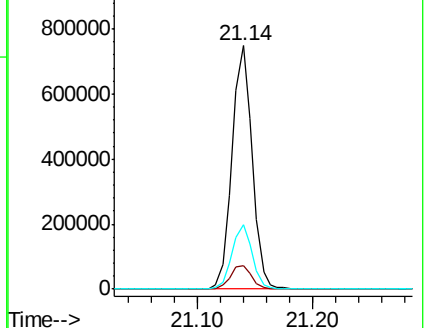
236 26.2 20.8 31.2

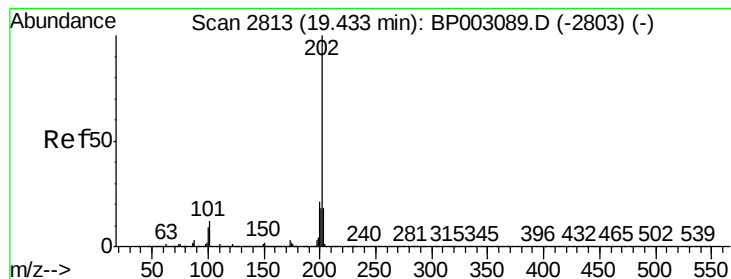


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.463 ng

RT: 19.42 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

Instrument :

BNA_P

ClientSampleId :

TR-05-090220

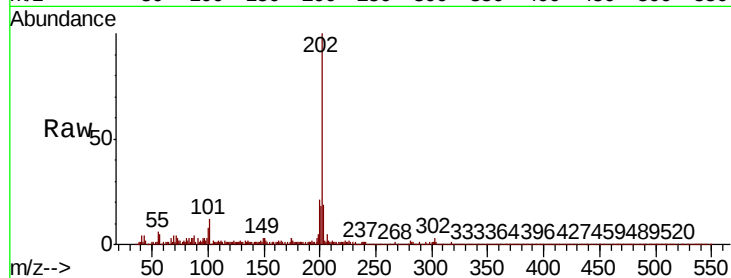
Tot Ion:202 Resp: 143894

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

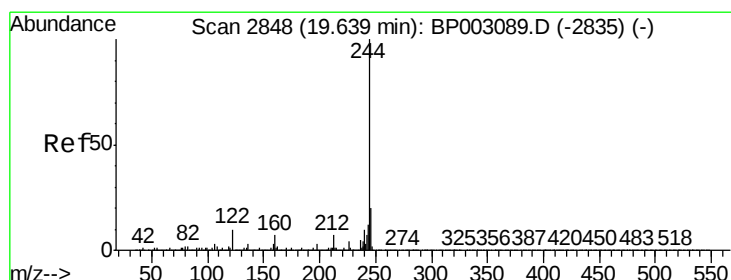
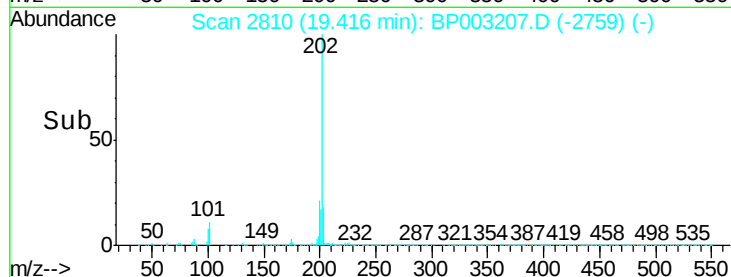
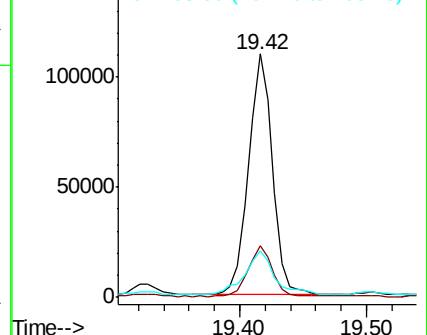
203 19.2 14.2 21.2



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: 6.718 ng

RT: 19.62 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BP003207.D

Acq: 04 Sep 2020 12:35

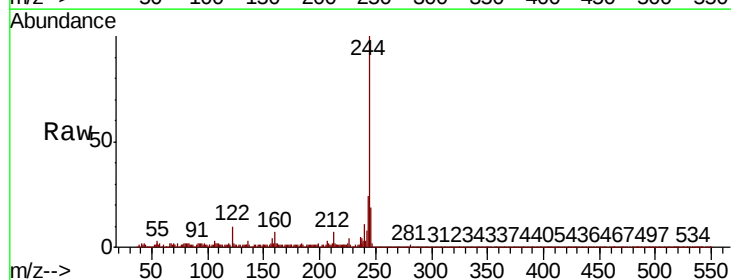
Tgt Ion:244 Resp: 274797

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

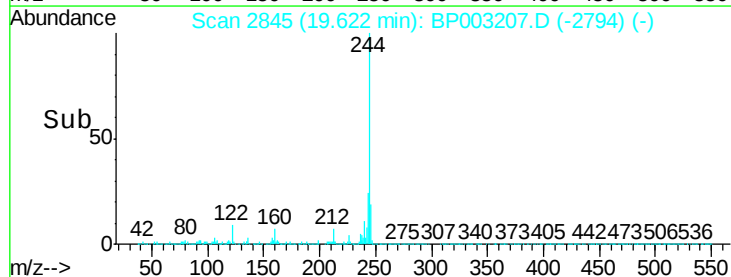
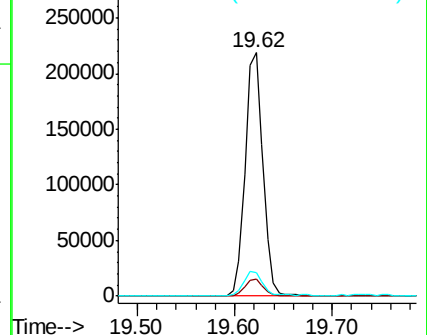
122 9.6 7.8 11.8

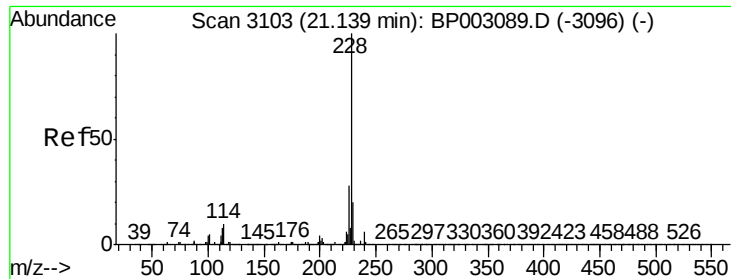


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

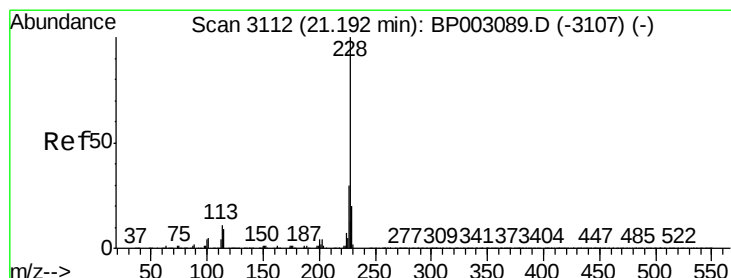
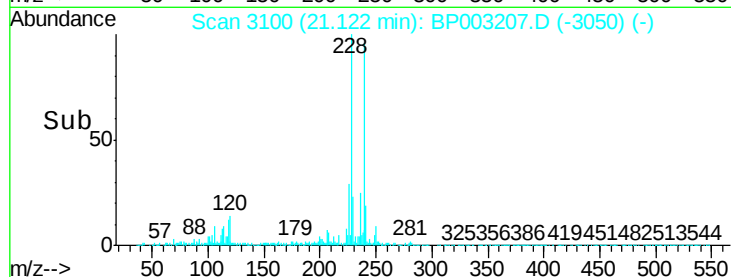
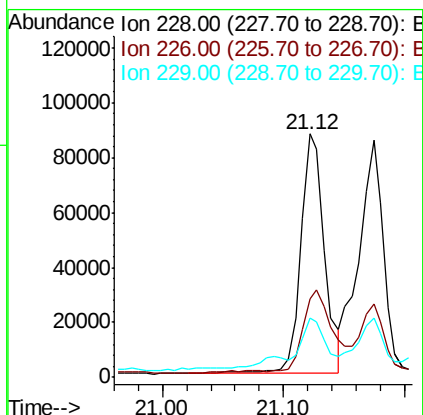
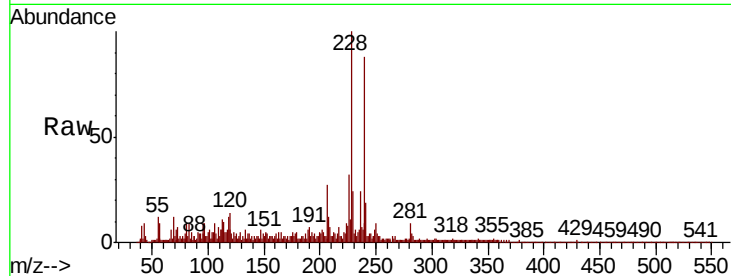




#81
Benzo(a)anthracene
Concen: 2.116 ng
RT: 21.12 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

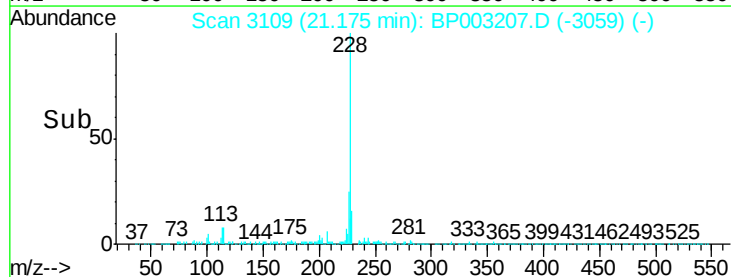
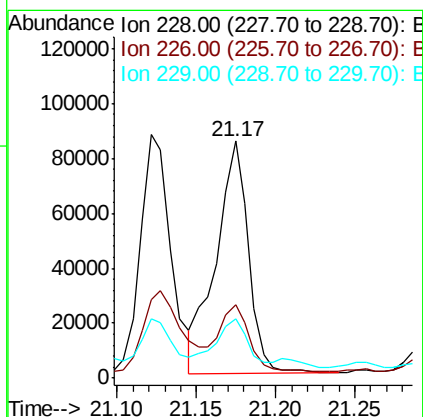
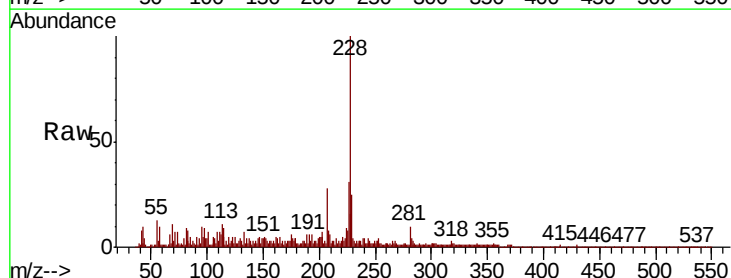
Instrument :
BNA_P
ClientSampleId :
TR-05-090220

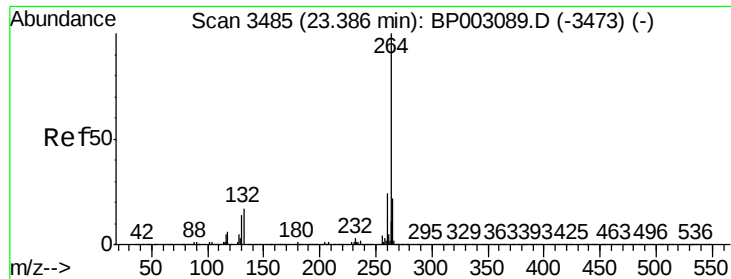
Tot Ion:228 Resp: 119312
Ion Ratio Lower Upper
228 100
226 32.4 22.1 33.1
229 24.5 15.9 23.9#



#83
Chrysene
Concen: 2.220 ng
RT: 21.17 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

Tgt Ion:228 Resp: 119855
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 25.0 15.8 23.6#

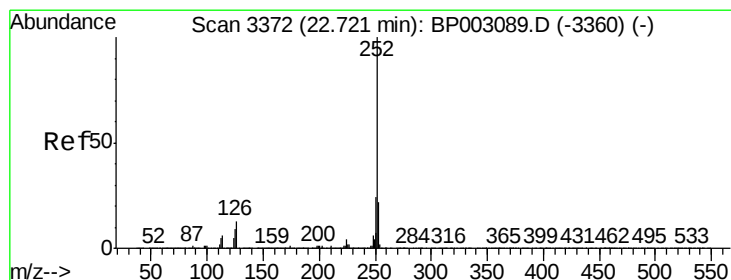
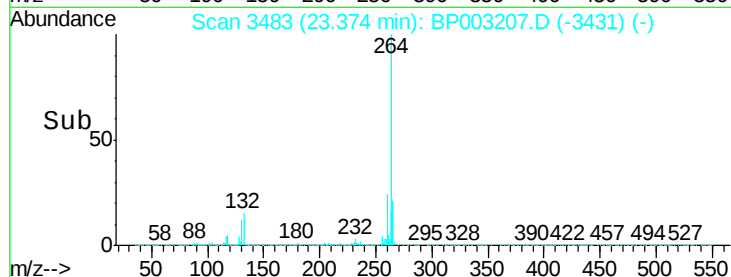
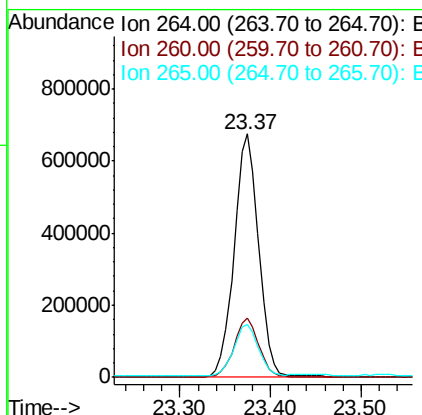
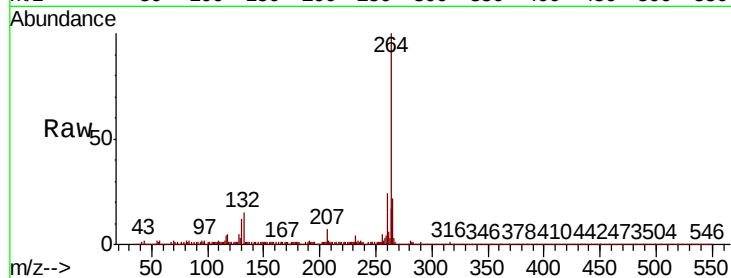




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3483
Delta R.T. 0.01 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

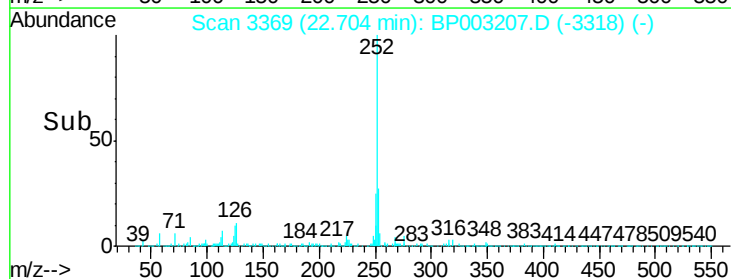
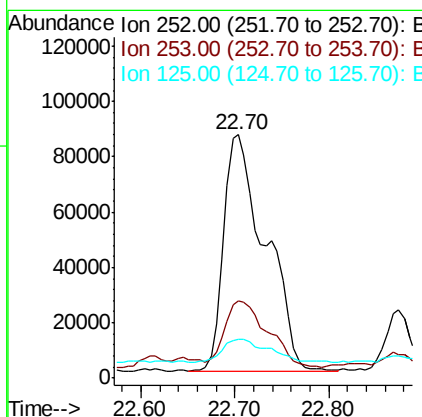
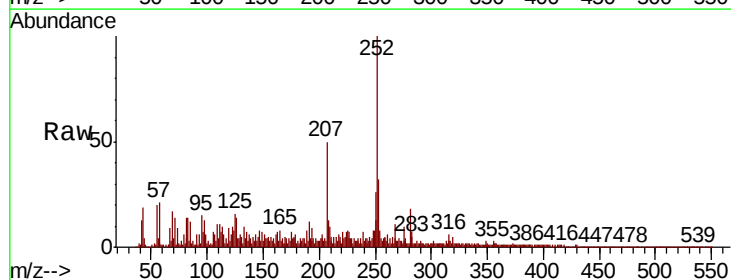
Instrument :
BNA_P
ClientSampleId :
TR-05-090220

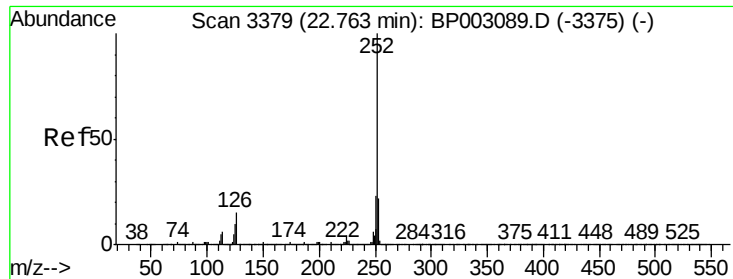
Tot Ion:264 Resp: 1257953
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.8 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 3.371 ng
RT: 22.70 min Scan# 3369
Delta R.T. 0.00 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

Tgt Ion:252 Resp: 263586
Ion Ratio Lower Upper
252 100
253 31.9 17.6 26.4#
125 15.8 7.3 10.9#

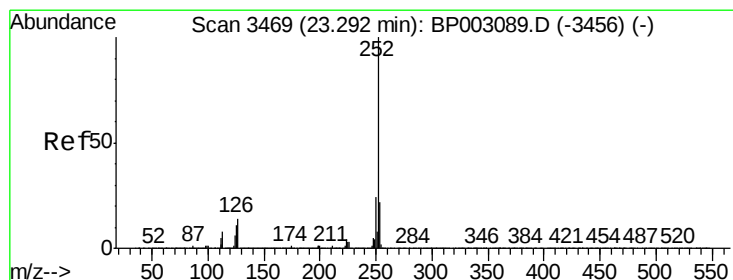
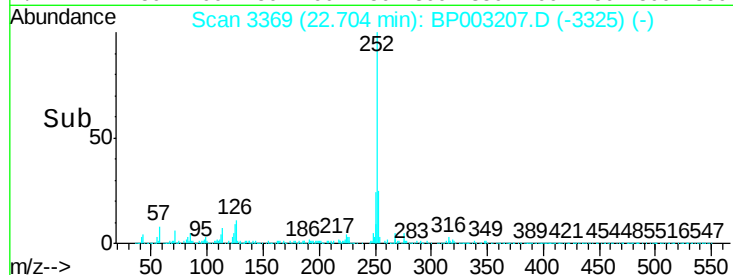
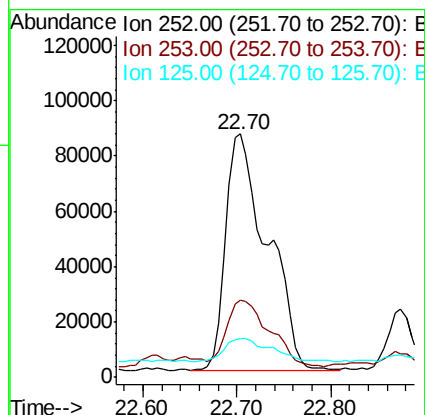
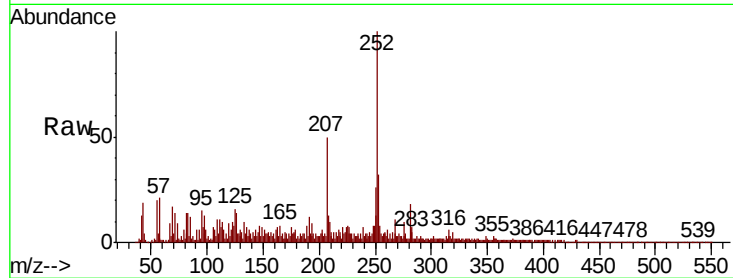




#89
Benzo(k)fluoranthene
Concen: 3.528 ng
RT: 22.70 min Scan# 3369
Delta R.T. -0.04 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

Instrument :
BNA_P
ClientSampleId :
TR-05-090220

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.8	26.8#
125	15.8	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 2.097 ng
RT: 23.27 min Scan# 3466
Delta R.T. 0.00 min
Lab File: BP003207.D
Acq: 04 Sep 2020 12:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.4	26.0#
125	16.9	8.2	12.4#

