

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP050520\
 Data File : BP002248.D
 Acq On : 05 May 2020 21:35
 Operator : CG/JU
 Sample : L2475-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 06 01:07:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP050420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 13:34:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	382638	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	1675946	20.00	ng	0.00
39) Acenaphthene-d10	14.26	164	1024201	20.00	ng	0.00
64) Phenanthrene-d10	17.01	188	2193694	20.00	ng	0.00
76) Chrysene-d12	21.11	240	1622321	20.00	ng	0.00
87) Perylene-d12	23.32	264	1456436	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	2909190	125.43	ng	0.00
7) Phenol-d6	6.80	99	4048645	118.83	ng	0.01
23) Nitrobenzene-d5	8.76	82	2589060	79.78	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	1209838	111.60	ng	0.00
45) 2-Fluorobiphenyl	12.88	172	5053179	69.09	ng	0.00
79) Terphenyl-d14	19.60	244	5958447	90.01	ng	0.00

Target Compounds

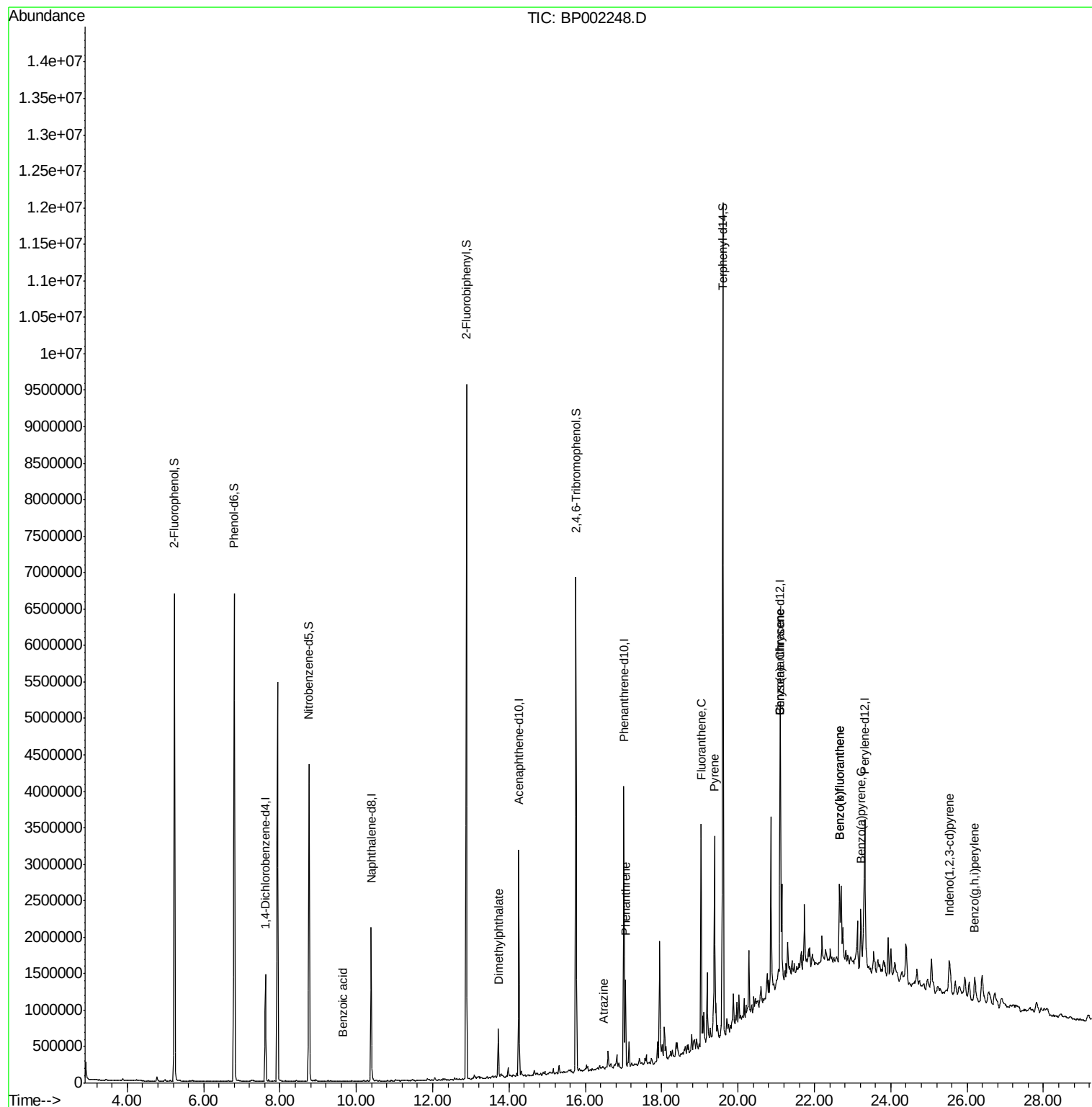
						Qvalue
9) Benzaldehyde	6.73	77	397	Below Cal	#	35
32) Benzoic acid	9.66	122	1073	6.399	ng	85
50) Dimethylphthalate	13.72	163	410910	5.090	ng	99
61) 4-Chlorophenyl-phenylether	15.33	204	240	Below Cal	#	1
69) Atrazine	16.49	200	1490	2.312	ng	54
71) Phenanthrene	17.05	178	689867	5.592	ng	99
75) Fluoranthene	19.03	202	1712425	12.099	ng	99
77) Benzidine	19.19	184	847	Below Cal	#	1
78) Pyrene	19.38	202	1604556	14.560	ng	99
81) Benzo(a)anthracene	21.09	228	744031	7.070	ng	96
83) Chrysene	21.09	228	744031	7.199	ng	97
86) Indeno(1,2,3-cd)pyrene	25.53	276	371309	2.640	ng	96
88) Benzo(b)fluoranthene	22.66	252	1145186	13.076	ng	# 94
89) Benzo(k)fluoranthene	22.66	252	1145186	12.766	ng	# 96
90) Benzo(a)pyrene	23.22	252	588192	6.976	ng	96
92) Benzo(g,h,i)perylene	26.20	276	388205	4.290	ng	98

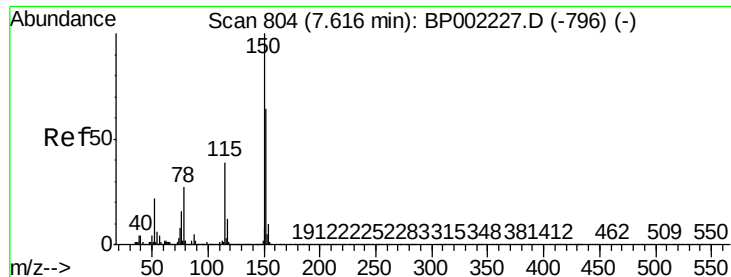
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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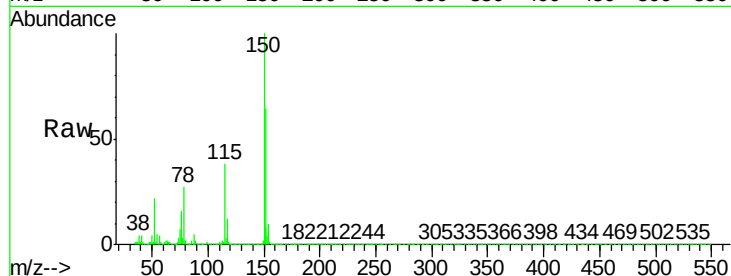


#1

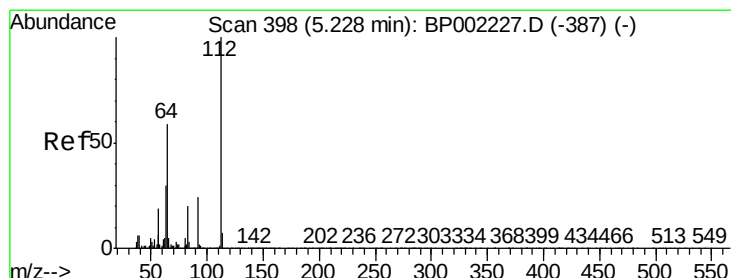
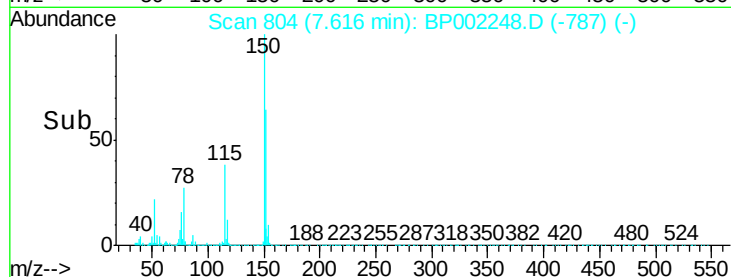
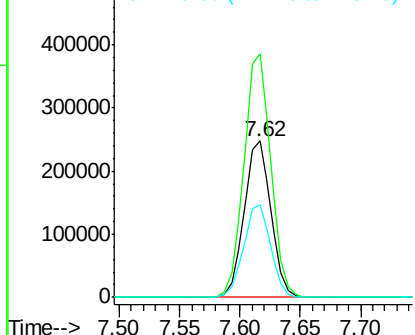
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.62 min Scan# 804
Delta R.T. 0.00 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 382638
Ion Ratio Lower Upper
152 100
150 156.0 125.3 187.9
115 59.1 48.3 72.5



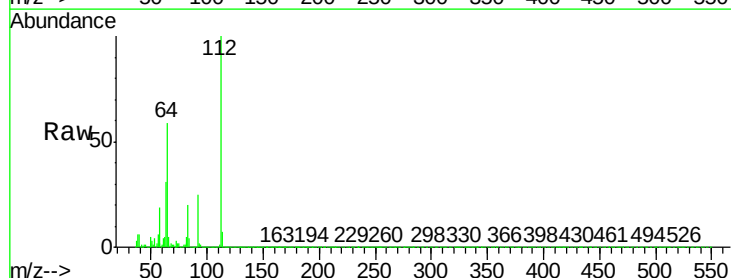
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



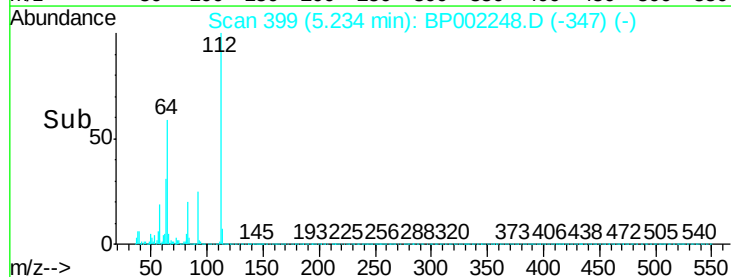
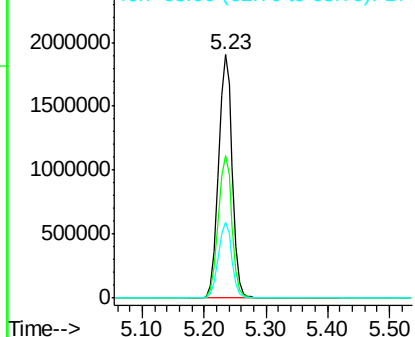
#5

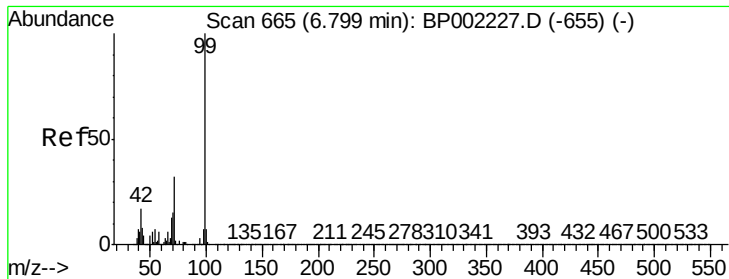
2-Fluorophenol
Concen: 125.425 ng
RT: 5.23 min Scan# 399
Delta R.T. 0.01 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Tgt Ion:112 Resp: 2909190
Ion Ratio Lower Upper
112 100
64 58.5 46.9 70.3
63 31.3 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 118.829 ng

RT: 6.80 min Scan# 666

Delta R.T. 0.01 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

Instrument :

BNA_P

ClientSampleId :

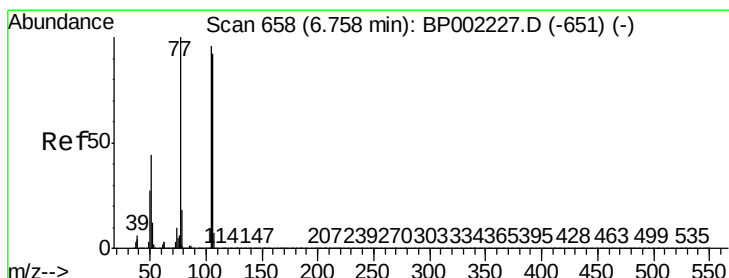
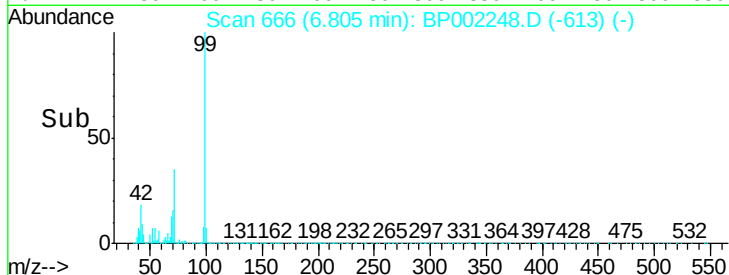
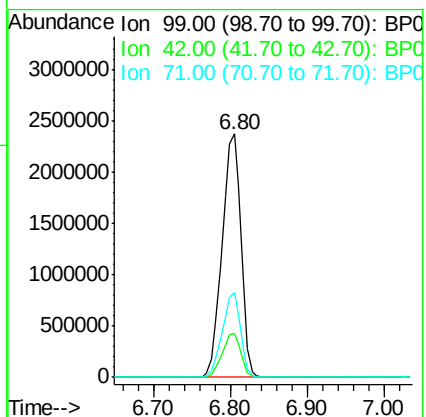
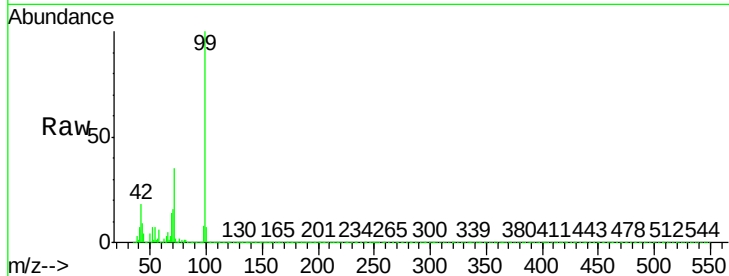
Tot Ion: 99 Resp: 4048645

Ion Ratio Lower Upper

99 100

42 18.2 14.0 21.0

71 35.0 25.9 38.9



#9

Benzaldehyde

Concen: Below Cal

RT: 6.73 min Scan# 653

Delta R.T. -0.03 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

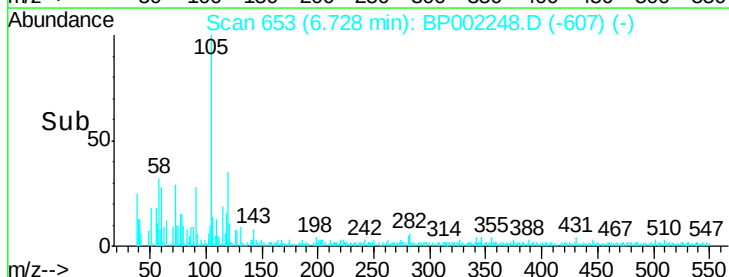
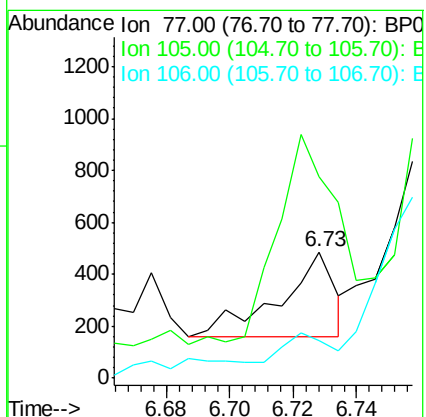
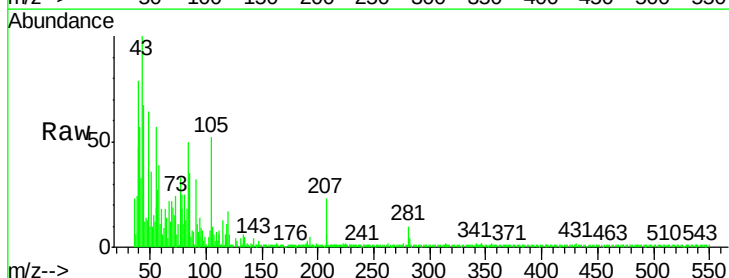
Tgt Ion: 77 Resp: 397

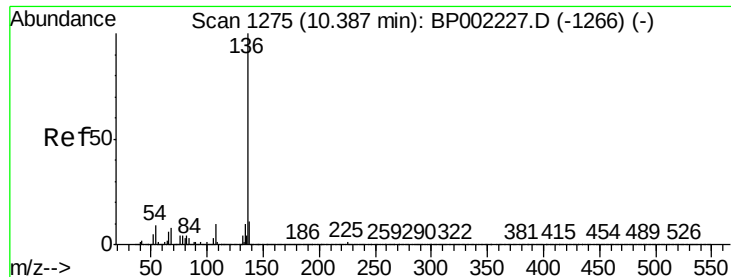
Ion Ratio Lower Upper

77 100

105 160.0 76.0 116.0#

106 30.1 71.6 111.6#

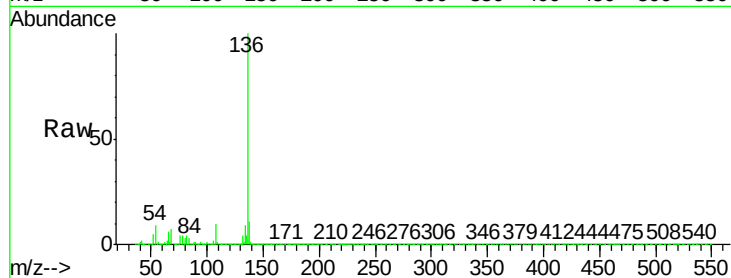




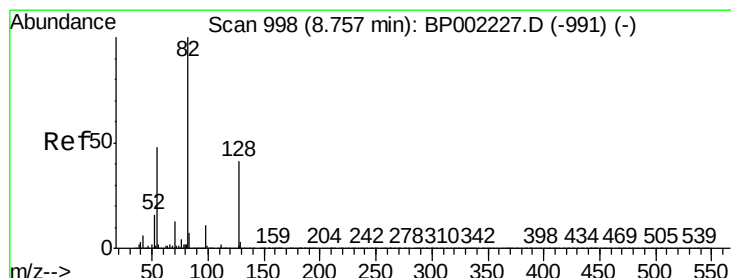
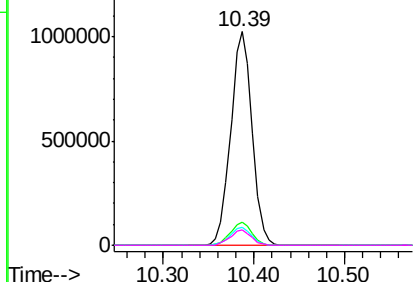
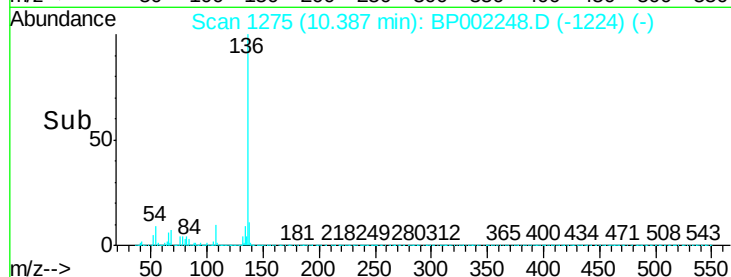
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.39 min Scan# 1275
Delta R.T. 0.00 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp: 1675946
Ion Ratio	Lower Upper
136 100	
137 11.0	9.0 13.6
54 8.6	7.0 10.6
68 7.1	6.0 9.0

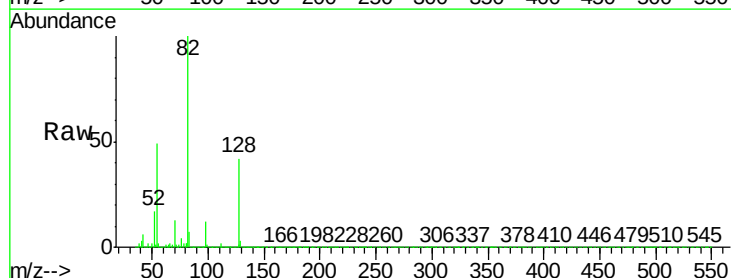


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

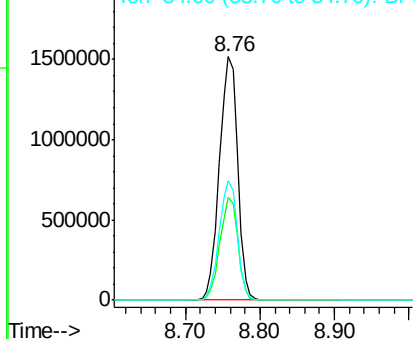
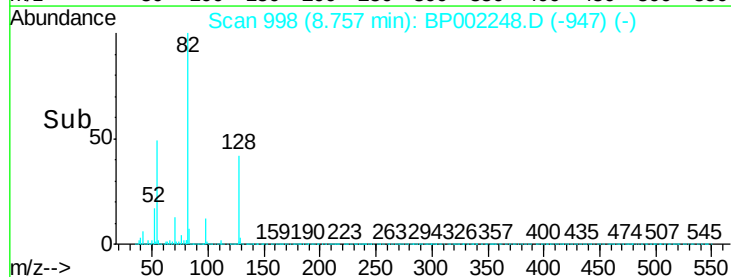


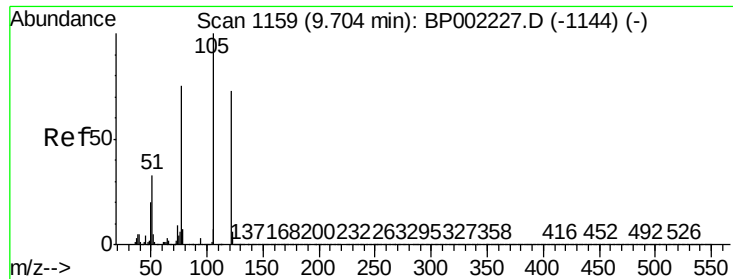
#23
Nitrobenzene-d5
Concen: 79.779 ng
RT: 8.76 min Scan# 998
Delta R.T. 0.00 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Tgt Ion: 82	Resp: 2589060
Ion Ratio	Lower Upper
82 100	
128 42.1	32.4 48.6
54 49.0	38.2 57.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

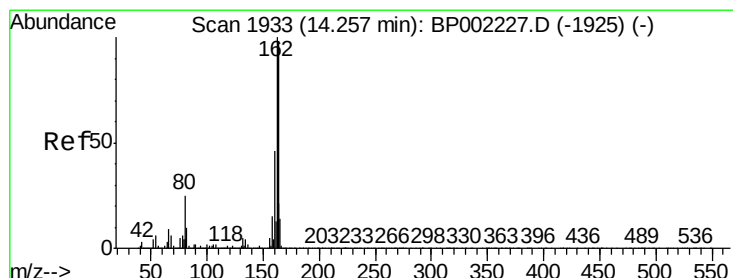
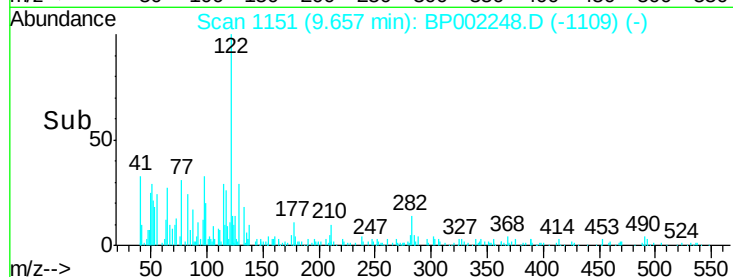
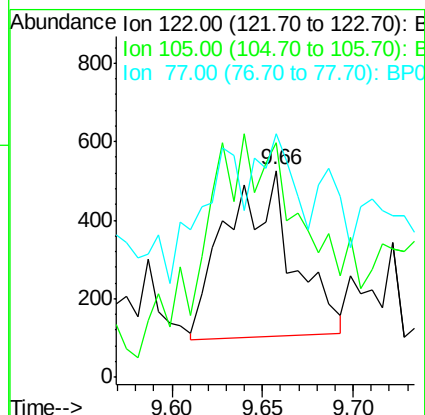
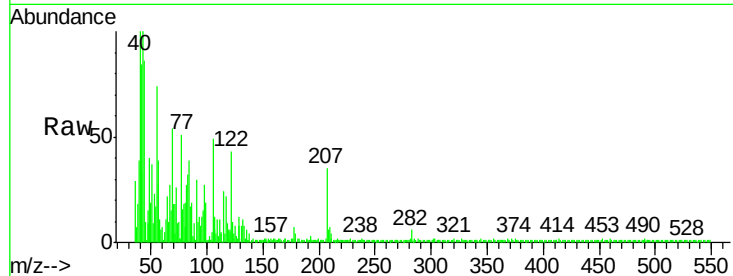




#32
Benzoic acid
Concen: 6.399 ng
RT: 9.66 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

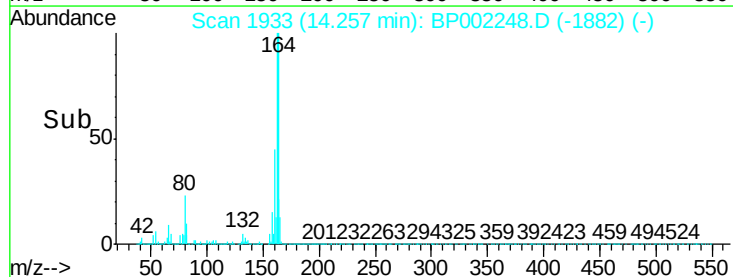
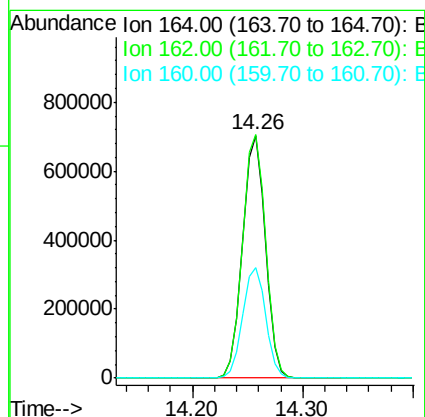
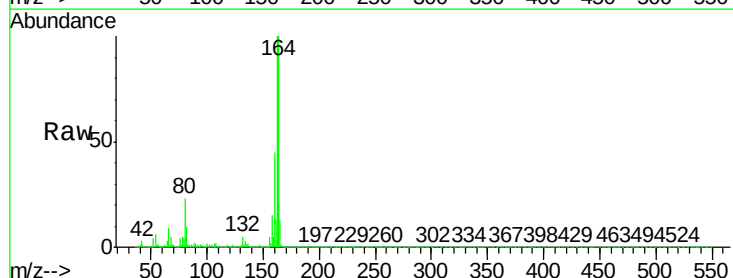
Instrument :
BNA_P
ClientSampled :

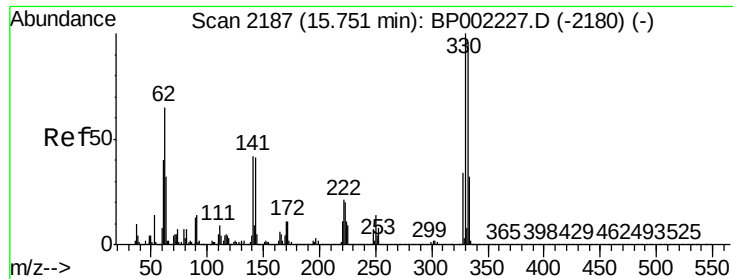
Tot Ion:122 Resp: 1073
Ion Ratio Lower Upper
122 100
105 113.7 108.6 148.6
77 117.9 79.2 119.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.26 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Tgt Ion:164 Resp: 1024201
Ion Ratio Lower Upper
164 100
162 100.2 81.5 122.3
160 45.5 37.3 55.9

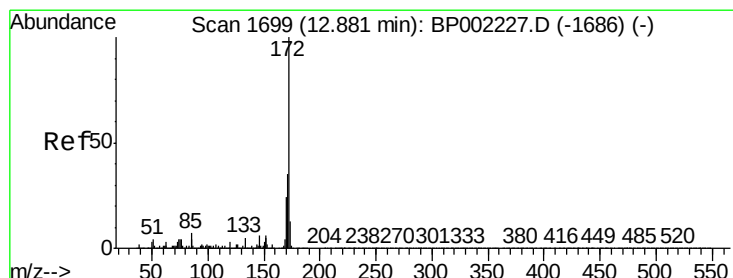
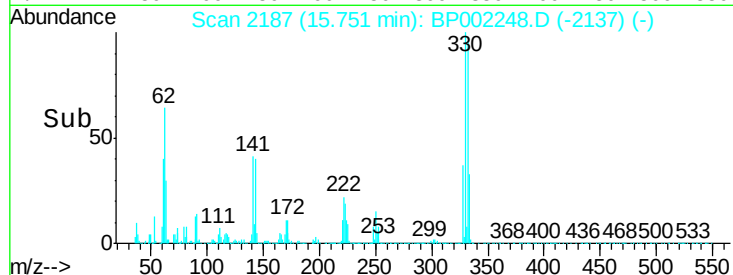
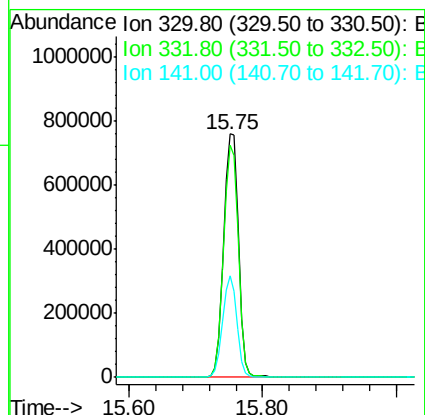
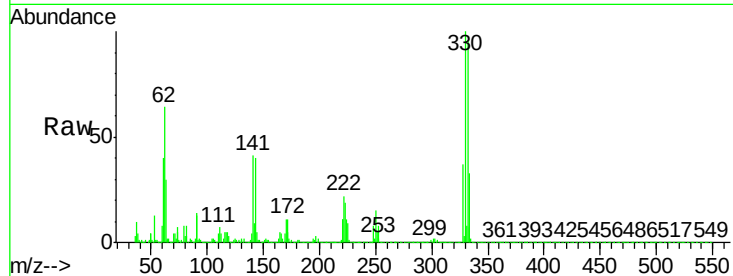




#42
 2,4,6-Tribromophenol
 Concen: 111.603 ng
 RT: 15.75 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BP002248.D
 Acq: 05 May 2020 21:35

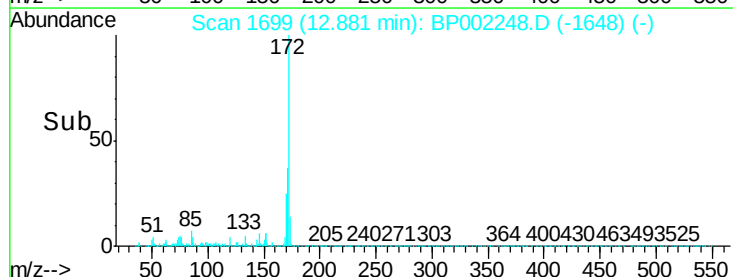
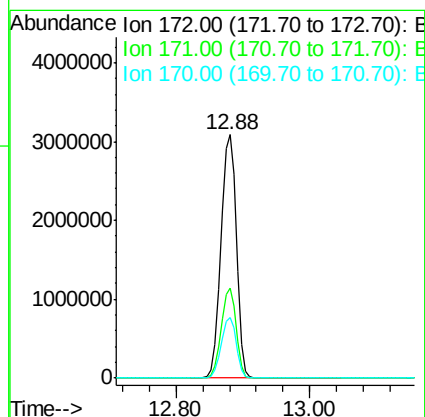
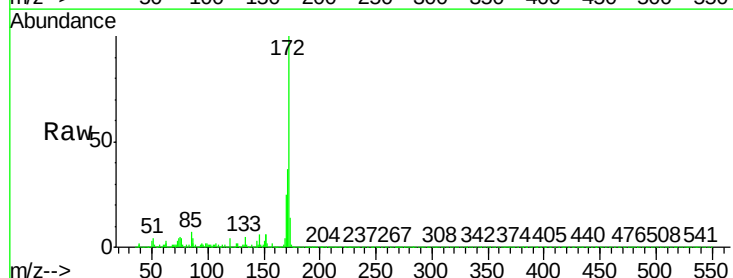
Instrument :
 BNA_P
 ClientSampleId :

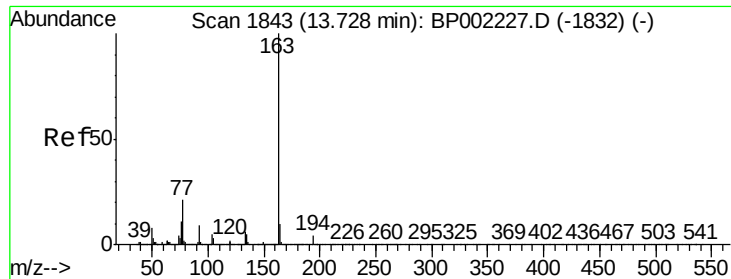
Tot Ion:330 Resp: 1209838
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.3 114.5
 141 39.3 32.0 48.0



#45
 2-Fluorobiphenyl
 Concen: 69.092 ng
 RT: 12.88 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: BP002248.D
 Acq: 05 May 2020 21:35

Tgt Ion:172 Resp: 5053179
 Ion Ratio Lower Upper
 172 100
 171 37.0 27.9 41.9
 170 25.1 19.0 28.6

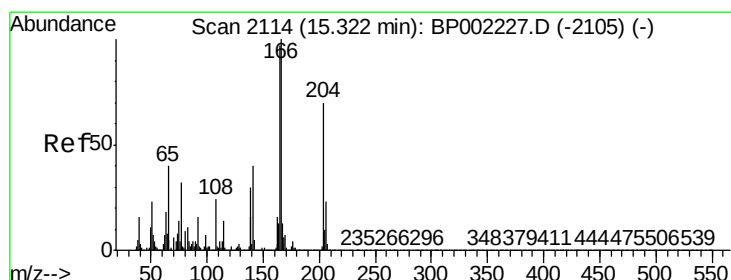
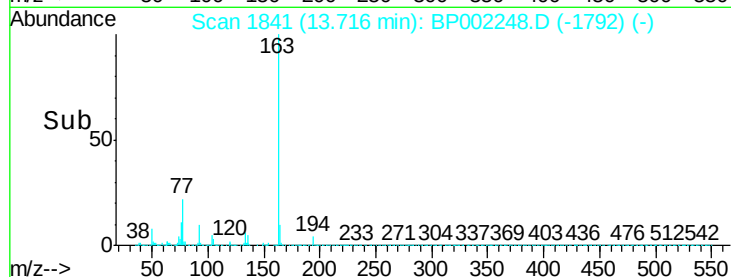
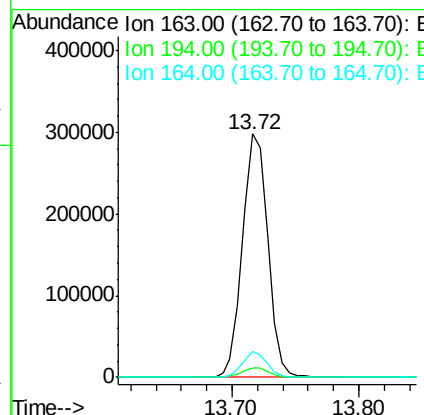
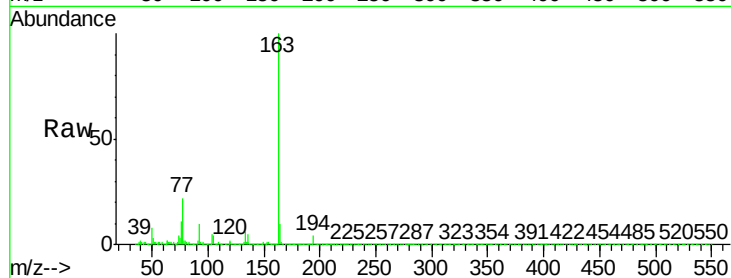




#50
Dimethylphthalate
Concen: 5.090 ng
RT: 13.72 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

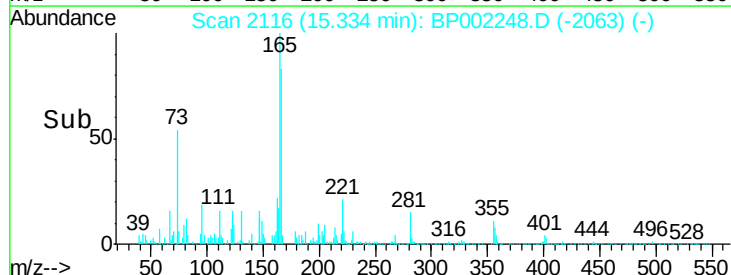
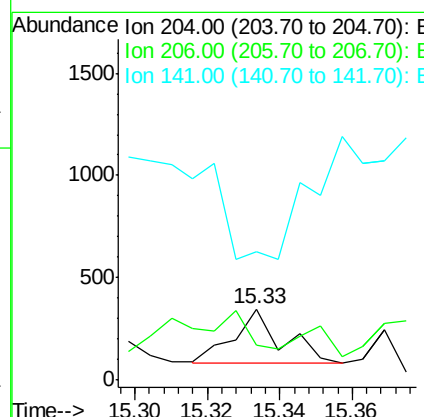
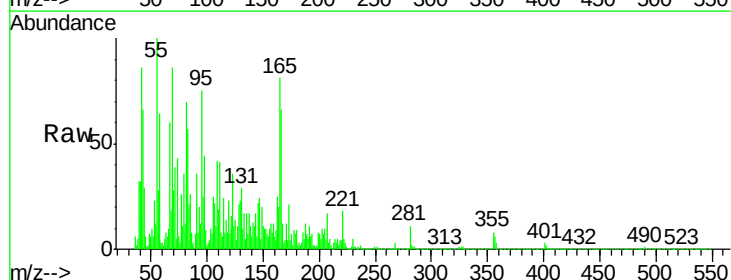
Instrument :
BNA_P
ClientSampleId :

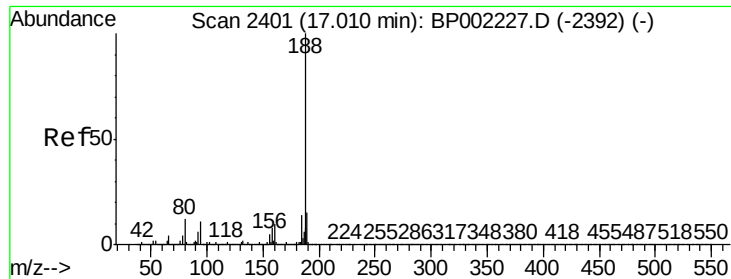
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.5	7.8	11.8



#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 15.33 min Scan# 2116
Delta R.T. 0.01 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Tgt Ion	Ratio	Lower	Upper
204	100		
206	49.6	26.2	39.4#
141	181.0	46.2	69.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

Instrument :

BNA_P

ClientSampleId :

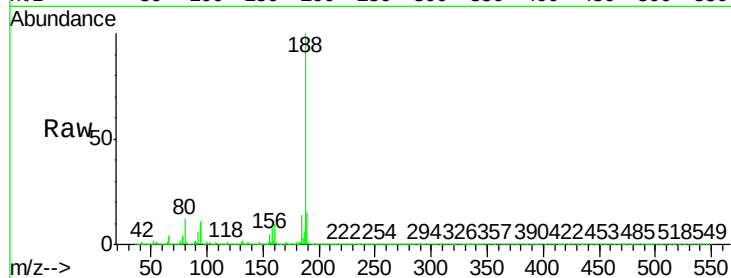
Tot Ion:188 Resp: 2193694

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.4

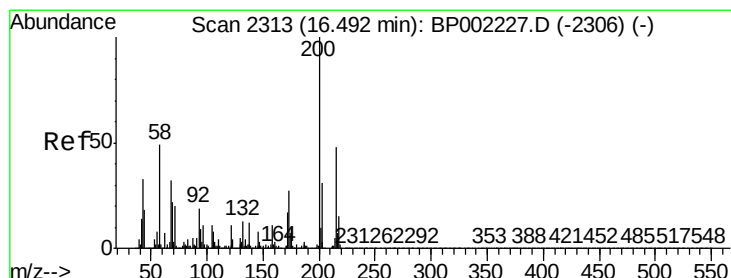
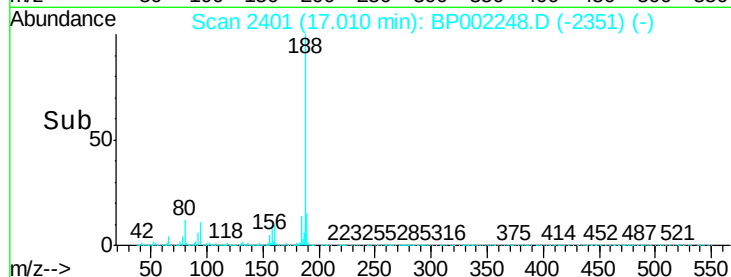
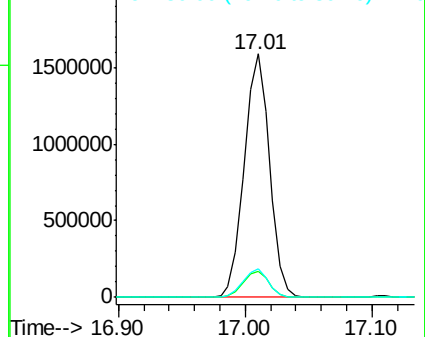
80 11.6 9.8 14.6



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



#69

Atrazine

Concen: 2.312 ng

RT: 16.49 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

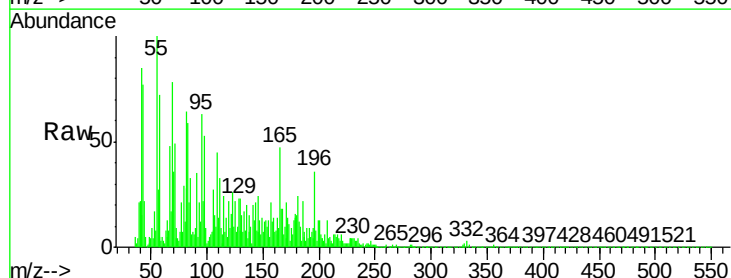
Tgt Ion:200 Resp: 1490

Ion Ratio Lower Upper

200 100

173 82.5 6.6 46.6#

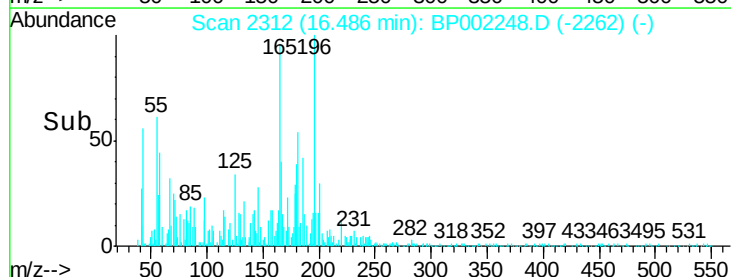
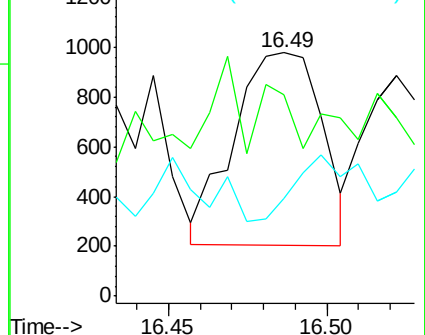
215 40.1 27.7 67.7

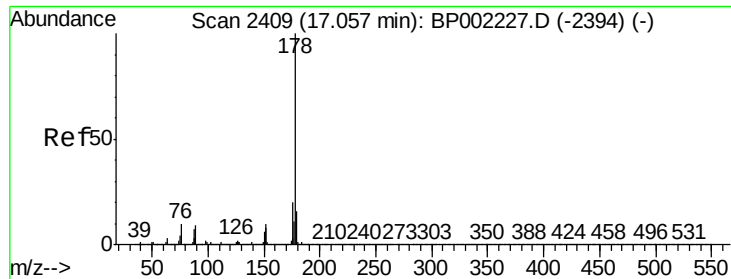


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#71

Phenanthrene

Concen: 5.592 ng

RT: 17.05 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

Instrument :

BNA_P

ClientSampleId :

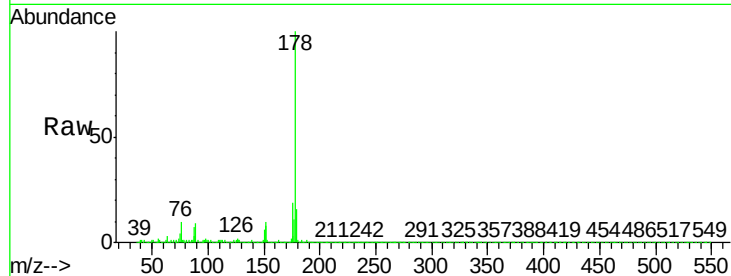
Tot Ion:178 Resp: 689867

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

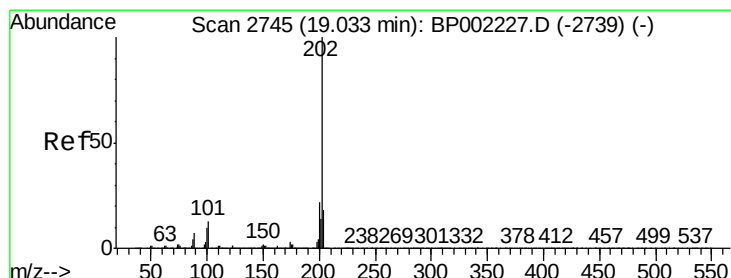
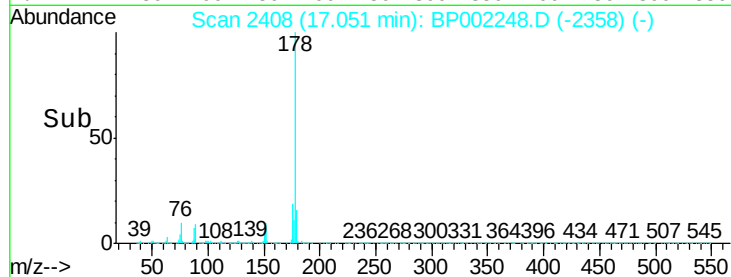
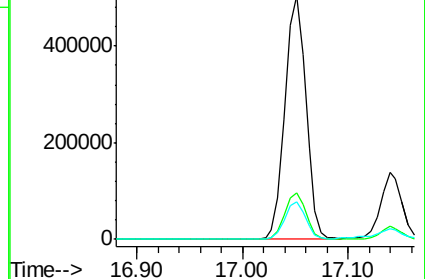
179 15.6 12.6 18.8



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: 12.099 ng

RT: 19.03 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

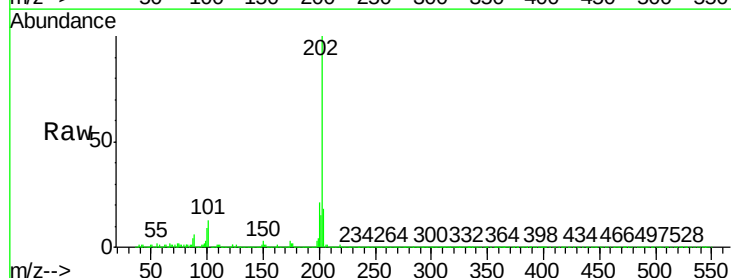
Tgt Ion:202 Resp: 1712425

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.3

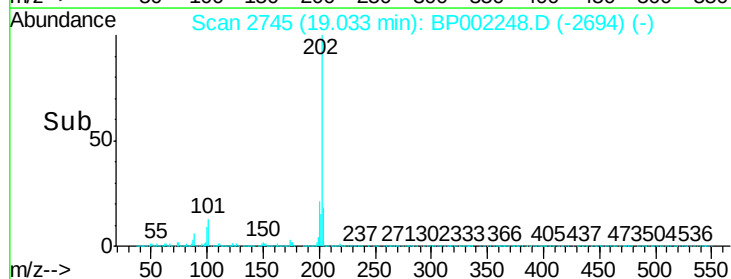
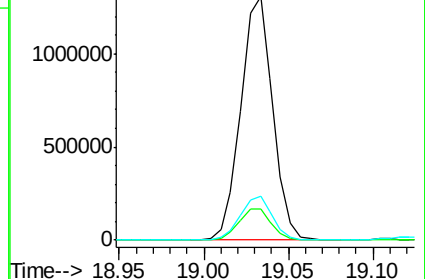
203 18.0 0.0 38.2

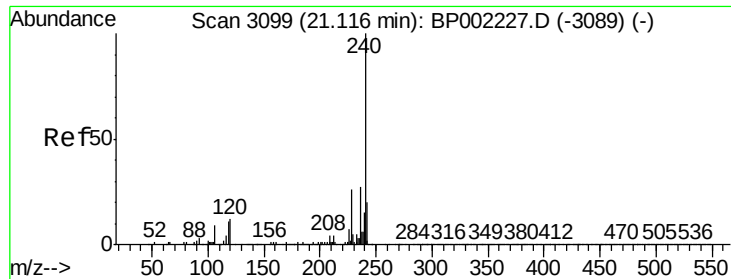


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

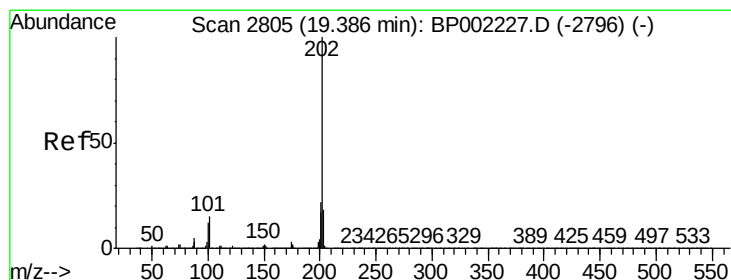
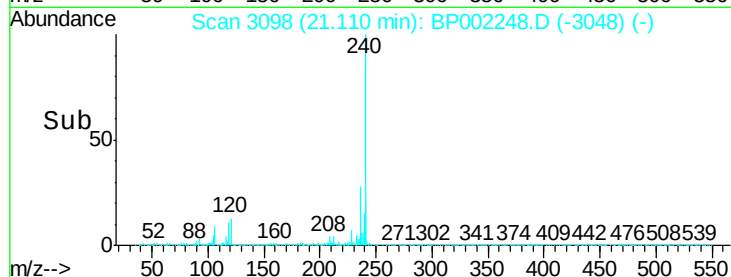
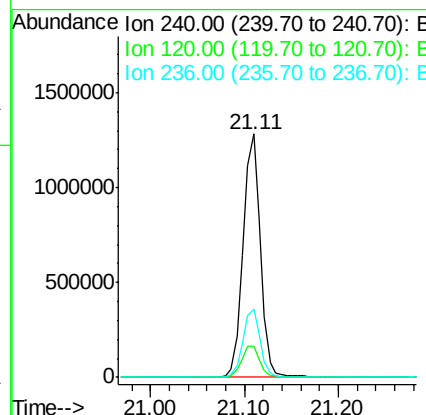
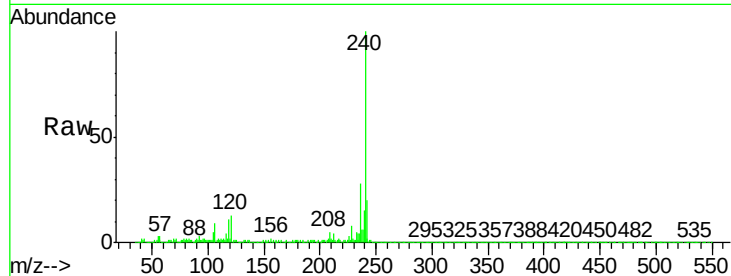




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

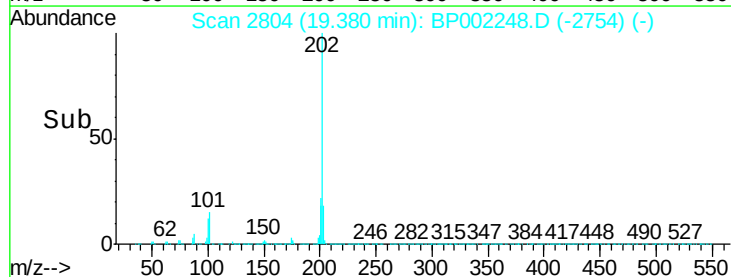
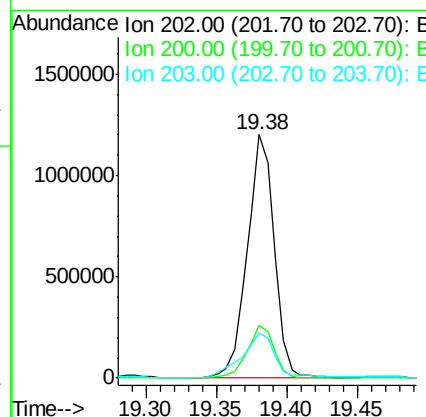
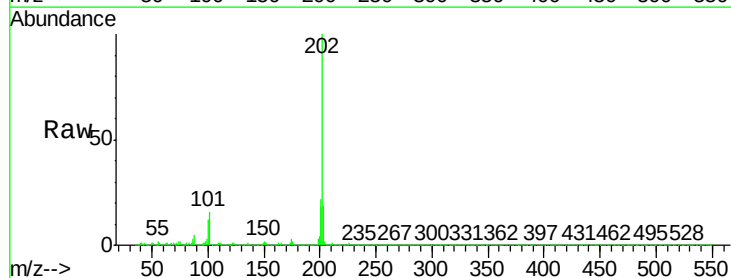
Instrument :
BNA_P
ClientSampleId :

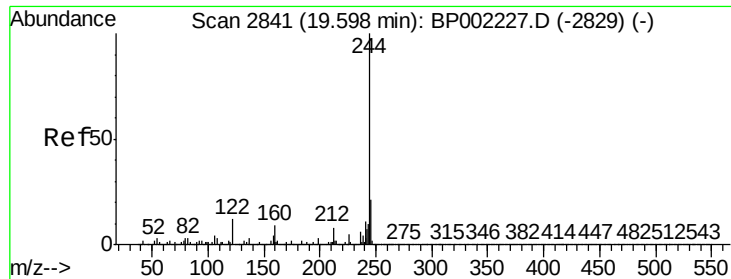
Tot Ion:240 Resp: 1622321
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.0
236 27.8 21.8 32.6



#78
Pyrene
Concen: 14.560 ng
RT: 19.38 min Scan# 2804
Delta R.T. -0.01 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Tgt Ion:202 Resp: 1604556
Ion Ratio Lower Upper
202 100
200 21.7 17.3 25.9
203 18.6 14.2 21.2





#79

Terphenyl-d14

Concen: 90.006 ng

RT: 19.60 min Scan# 2841

Delta R.T. 0.00 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

Instrument :

BNA_P

ClientSampled :

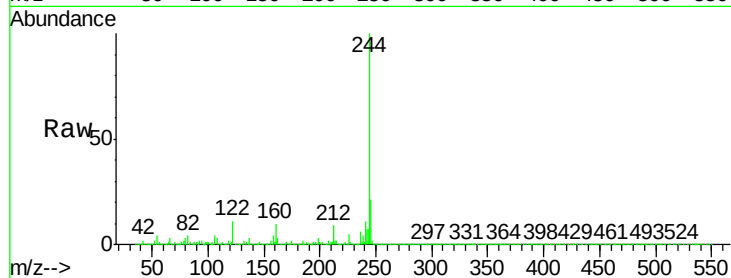
Tot Ion:244 Resp: 5958447

Ion Ratio Lower Upper

244 100

212 9.3 6.6 9.8

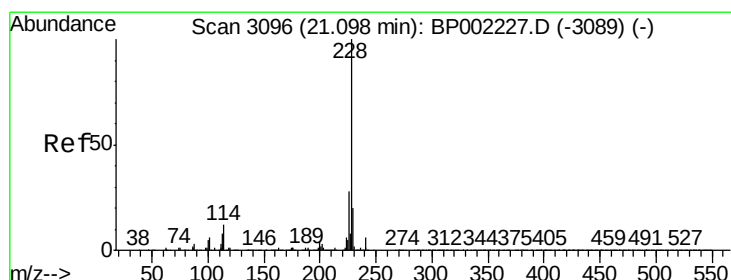
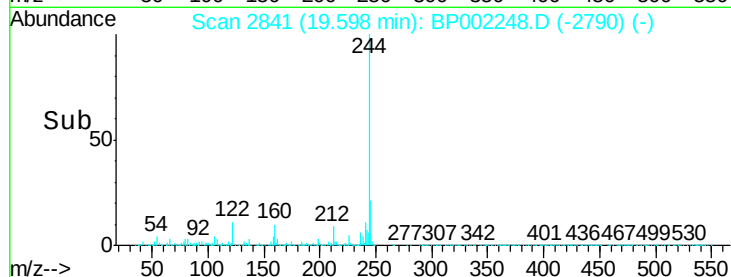
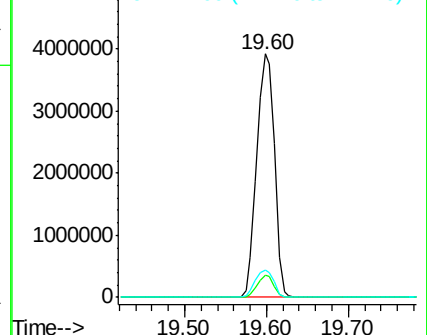
122 11.2 9.5 14.3



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: 7.070 ng

RT: 21.09 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

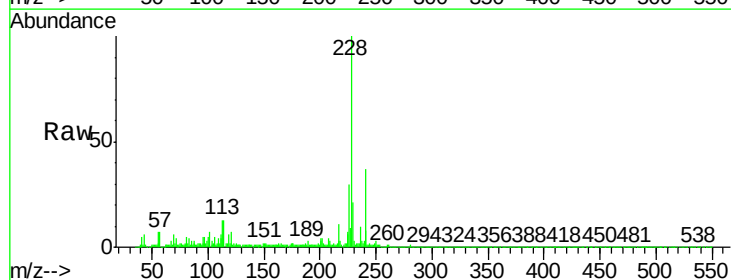
Tgt Ion:228 Resp: 744031

Ion Ratio Lower Upper

228 100

226 29.9 22.1 33.1

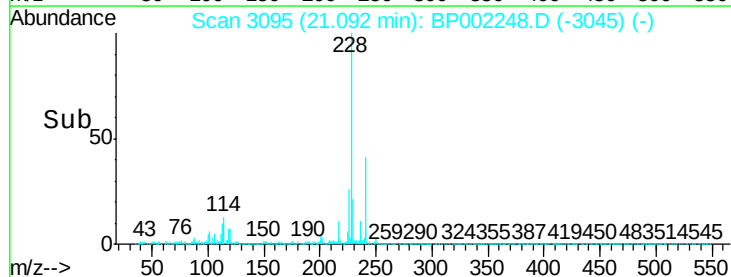
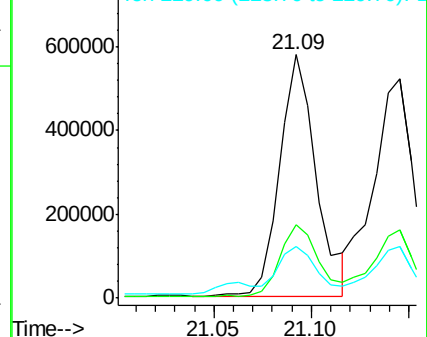
229 21.4 15.8 23.8

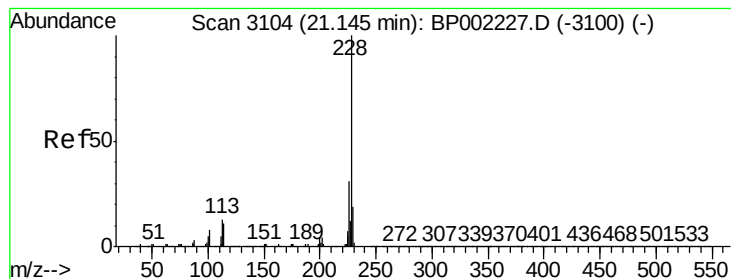


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.199 ng

RT: 21.09 min Scan# 3095

Delta R.T. -0.06 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

Instrument :

BNA_P

ClientSampleId :

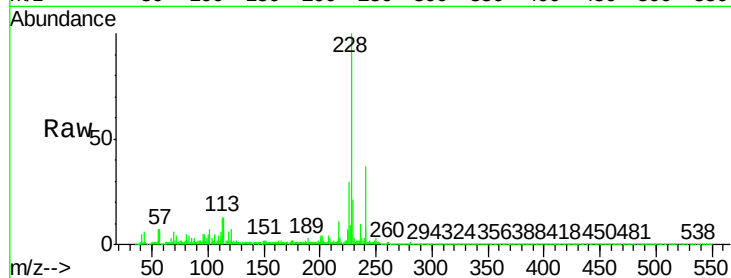
Tot Ion:228 Resp: 744031

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

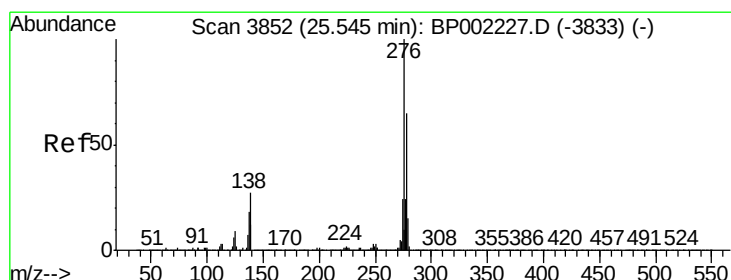
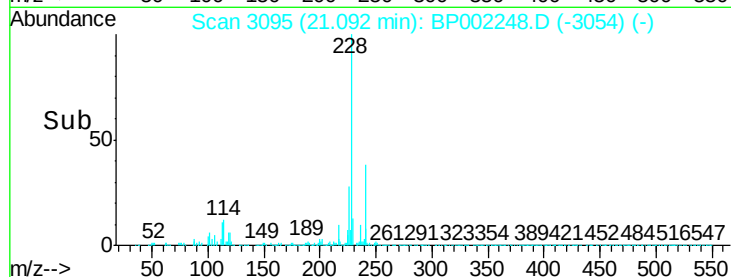
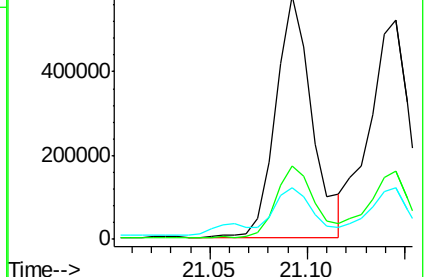
229 21.4 15.1 22.7



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

Indeno(1,2,3-cd)pyrene

Concen: 2.640 ng

RT: 25.53 min Scan# 3850

Delta R.T. -0.01 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

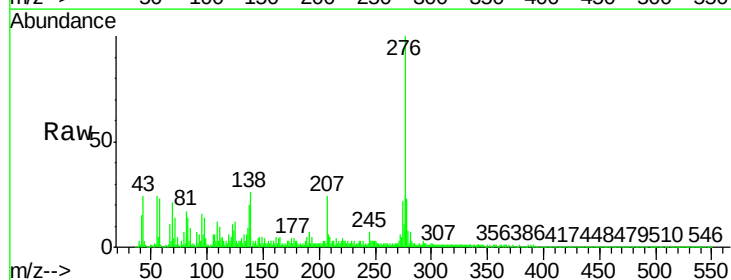
Tgt Ion:276 Resp: 371309

Ion Ratio Lower Upper

276 100

138 25.8 23.4 35.0

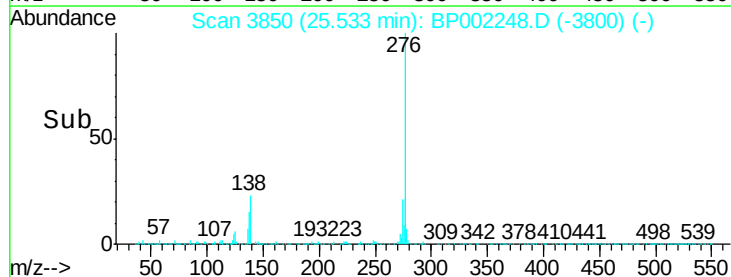
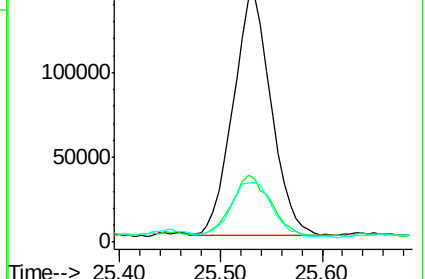
277 24.9 20.3 30.5

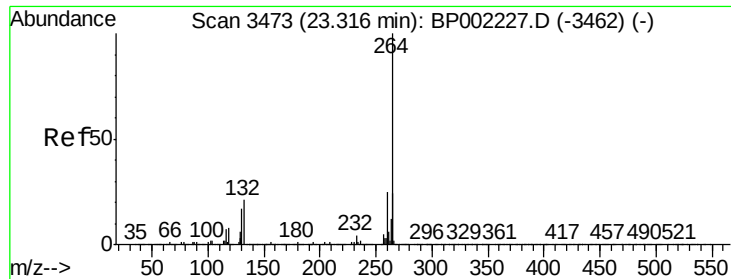


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.32 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

Instrument :

BNA_P

ClientSampleId :

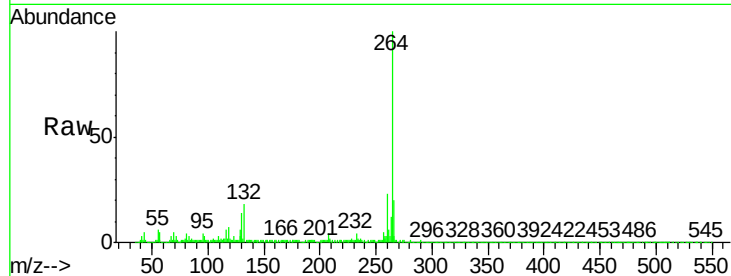
Tot Ion:264 Resp: 1456436

Ion	Ratio	Lower	Upper
264	100		
260	23.5	20.4	30.6
265	20.4	19.0	28.4

264 100

260 23.5 20.4 30.6

265 20.4 19.0 28.4

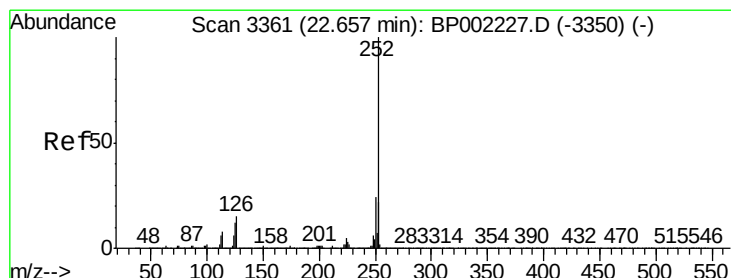
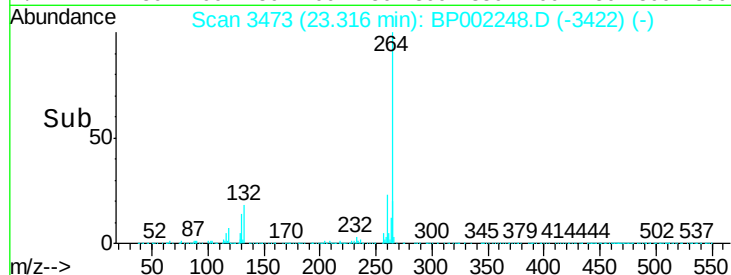
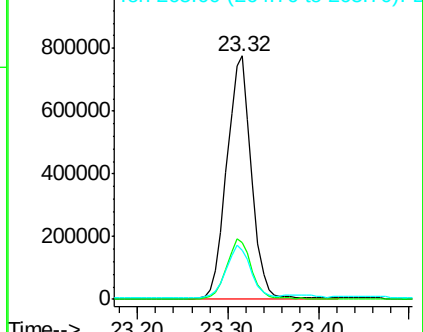


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 13.076 ng

RT: 22.66 min Scan# 3361

Delta R.T. 0.00 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

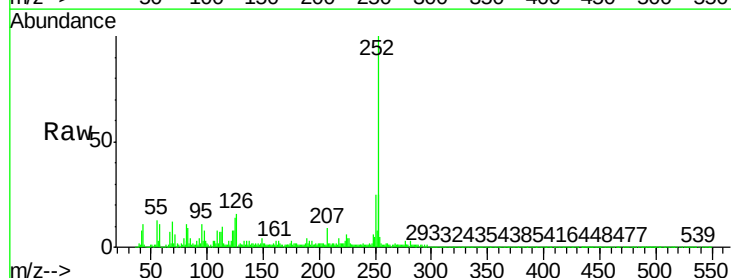
Tgt Ion:252 Resp: 1145186

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	14.2	9.4	14.0

252 100

253 25.2 17.8 26.8

125 14.2 9.4 14.0

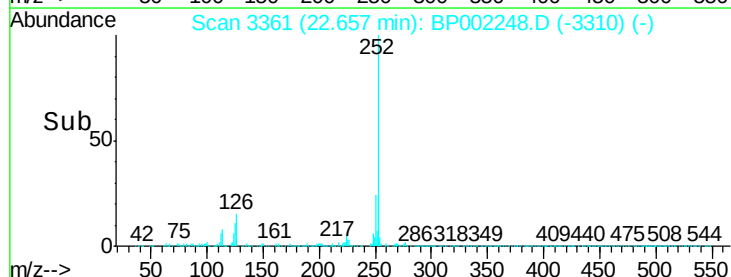
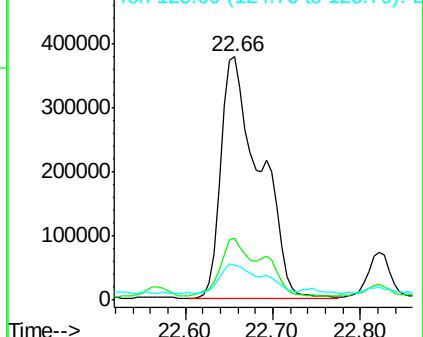


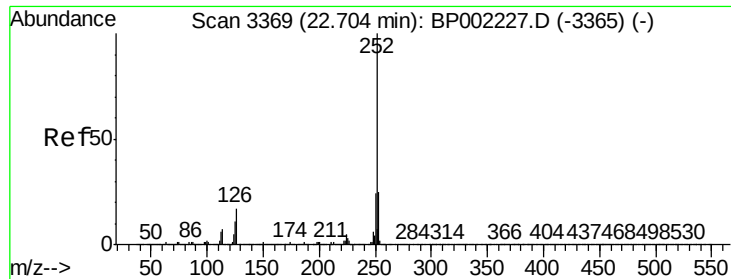
Abundance

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

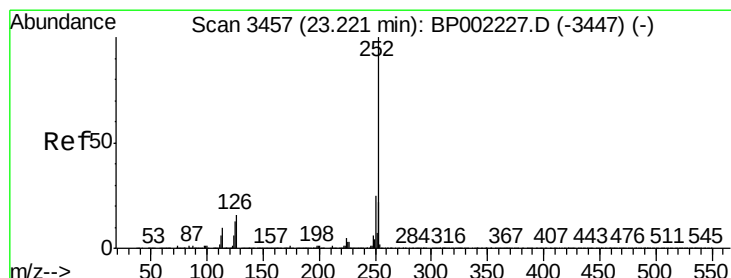
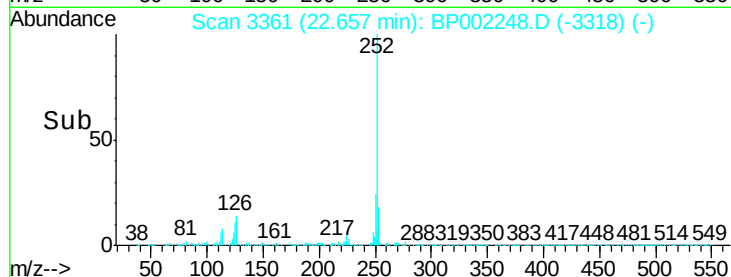
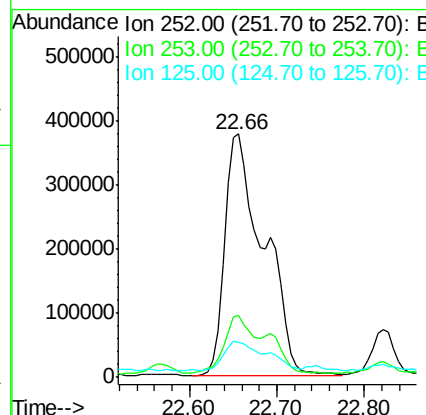
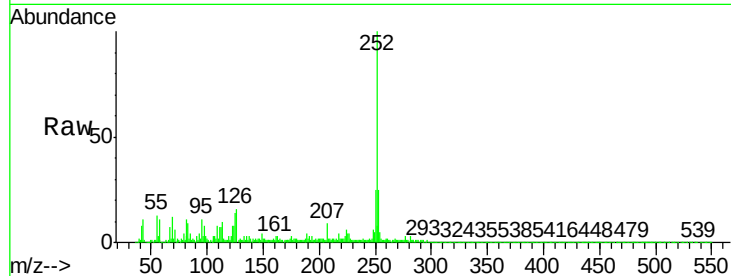




#89
Benzo(k)fluoranthene
Concen: 12.766 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.05 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

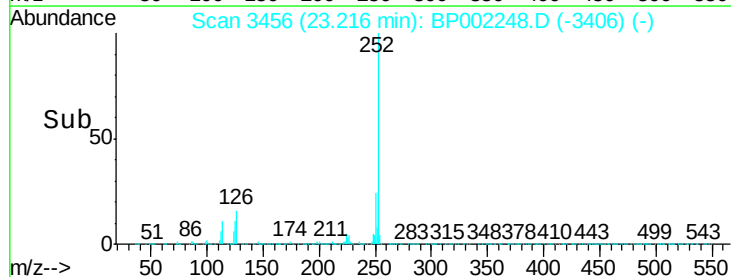
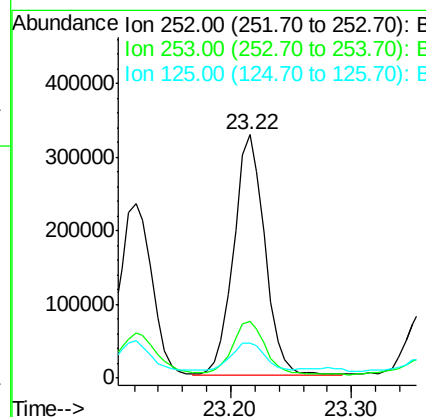
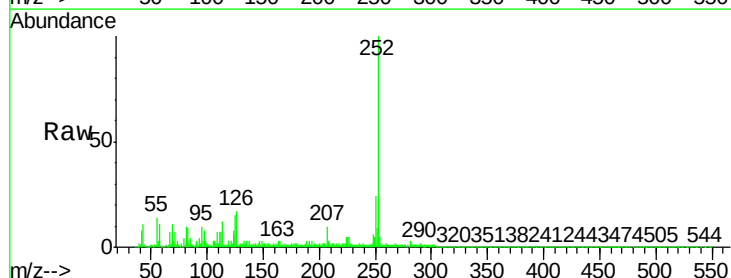
Instrument :
BNA_P
ClientSampleId :

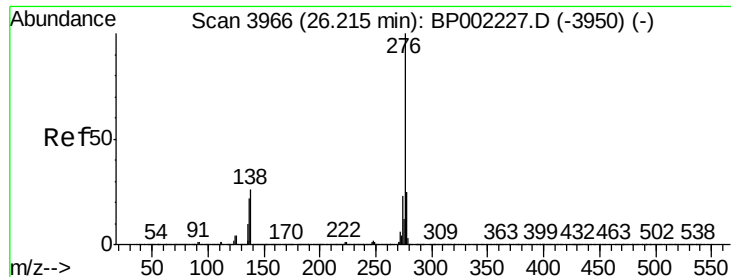
Tot Ion:252 Resp: 1145186
Ion Ratio Lower Upper
252 100
253 25.2 19.4 29.0
125 14.2 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 6.976 ng
RT: 23.22 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BP002248.D
Acq: 05 May 2020 21:35

Tgt Ion:252 Resp: 588192
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 14.5 10.2 15.2





#92

Benzo(a,h,i)perylene

Concen: 4.290 ng

RT: 26.20 min Scan# 3963

Delta R.T. -0.02 min

Lab File: BP002248.D

Acq: 05 May 2020 21:35

Instrument :

BNA_P

ClientSampleId :

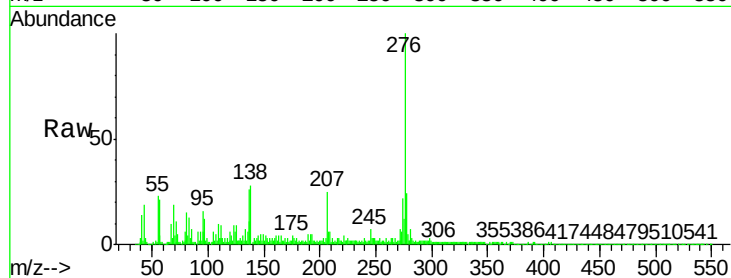
Tot Ion: 276 Resp: 388205

Ion Ratio Lower Upper

276 100

277 24.4 19.9 29.9

138 27.8 21.0 31.4



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

