

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062420\
 Data File : BP002530.D
 Acq On : 24 Jun 2020 19:17
 Operator : CG/JU
 Sample : L3089-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RB47184-RT

Quant Time: Jun 25 01:13:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 24 13:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	236023	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	941172	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	560558	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1181015	20.00	ng	0.00
76) Chrysene-d12	21.09	240	845578	20.00	ng	0.00
86) Perylene-d12	23.29	264	816565	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1468092	115.10	ng	0.00
7) Phenol-d6	6.78	99	1992918	117.35	ng	0.00
23) Nitrobenzene-d5	8.73	82	1404879	89.14	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	711616	132.59	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2797790	83.92	ng	0.00
79) Terphenyl-d14	19.57	244	3476046	115.68	ng	0.00

Target Compounds

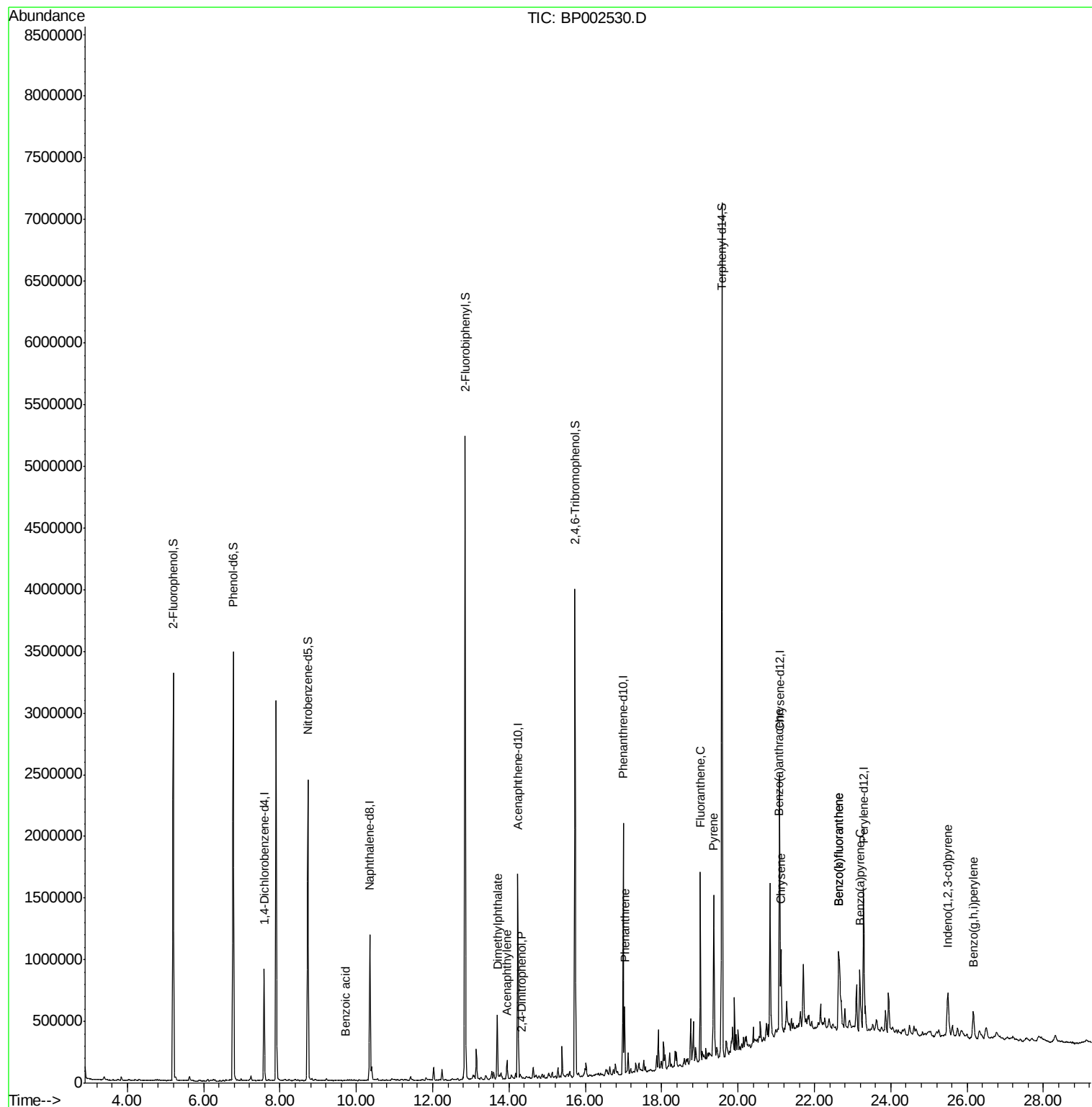
						Qvalue
9) Benzaldehyde	6.73	77	1785	Below Cal	#	82
32) Benzoic acid	9.72	122	54	4.604 ng	#	1
49) Acenaphthylene	13.95	152	105658	2.203 ng		98
50) Dimethylphthalate	13.69	163	342633	8.921 ng		99
54) 2,4-Dinitrophenol	14.34	184	29	2.792 ng	#	1
61) 4-Chlorophenyl-phenylether	15.29	204	77	Below Cal	#	1
71) Phenanthrene	17.03	178	319496	5.783 ng		99
75) Fluoranthene	19.01	202	876824	13.296 ng		96
78) Pyrene	19.36	202	773438	14.933 ng		99
81) Benzo(a)anthracene	21.07	228	366092	7.585 ng		95
83) Chrysene	21.13	228	388996	8.507 ng		97
87) Indeno(1,2,3-cd)pyrene	25.49	276	269380	5.274 ng		98
88) Benzo(b)fluoranthene	22.63	252	720048	16.352 ng		98
89) Benzo(k)fluoranthene	22.63	252	720048	17.210 ng	#	97
90) Benzo(a)pyrene	23.19	252	338619	8.206 ng		98
92) Benzo(g,h,i)perylene	26.16	276	255551	6.023 ng		96

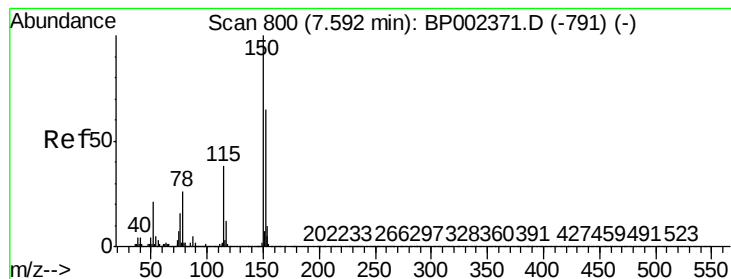
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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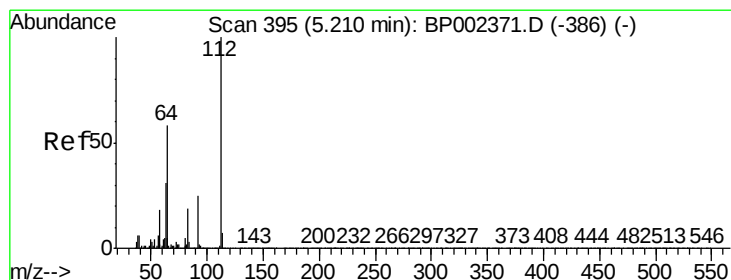
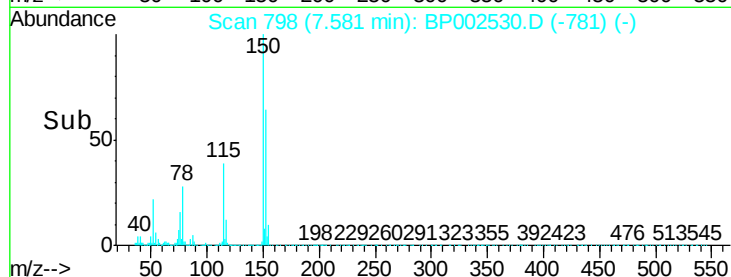
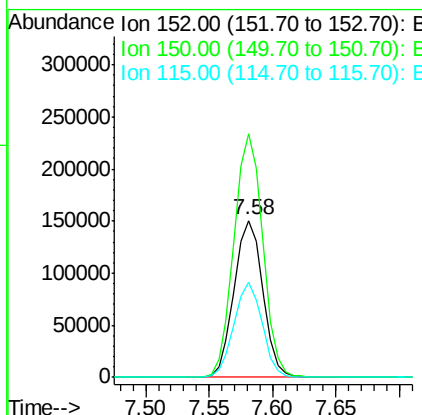
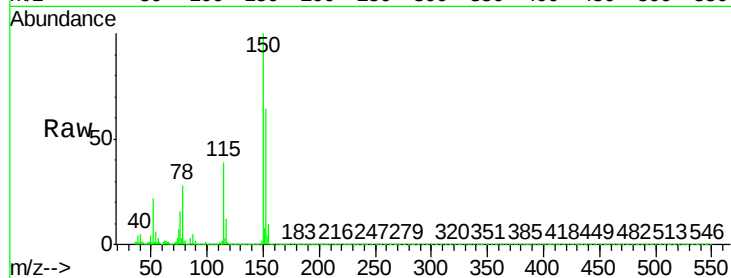


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 798
Delta R.T. 0.00 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

Instrument :
BNA_P
ClientSampleId :
RB47184-RT

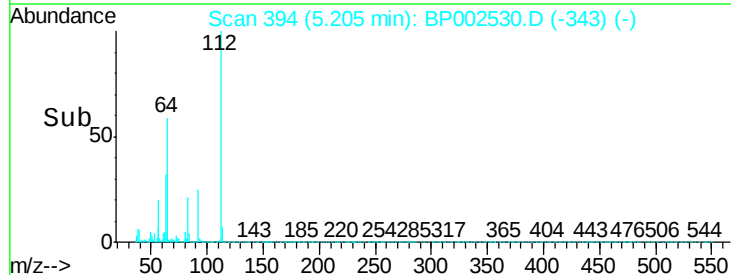
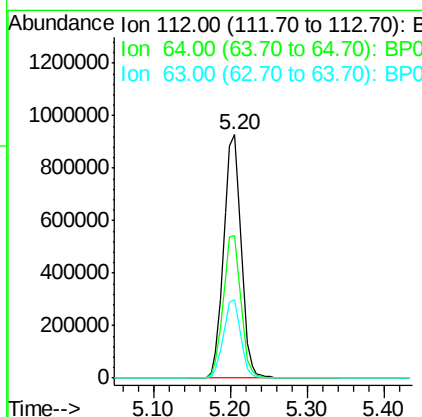
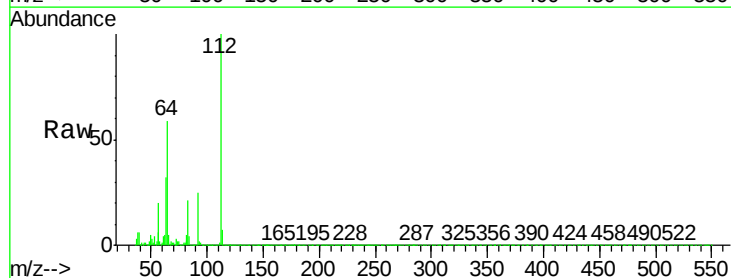
Tot Ion:152 Resp: 236023
Ion Ratio Lower Upper
152 100
150 155.1 124.4 186.6
115 60.7 47.8 71.6

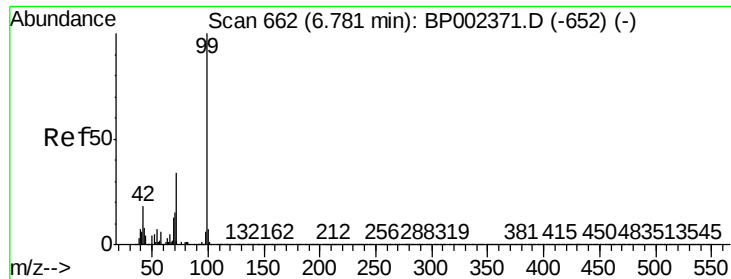


#5

2-Fluorophenol
Concen: 115.098 ng
RT: 5.20 min Scan# 394
Delta R.T. 0.00 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

Tgt Ion:112 Resp: 1468092
Ion Ratio Lower Upper
112 100
64 58.6 46.4 69.6
63 32.1 25.0 37.6





#7

Phenol-d6

Concen: 117.354 ng

RT: 6.78 min Scan# 661

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

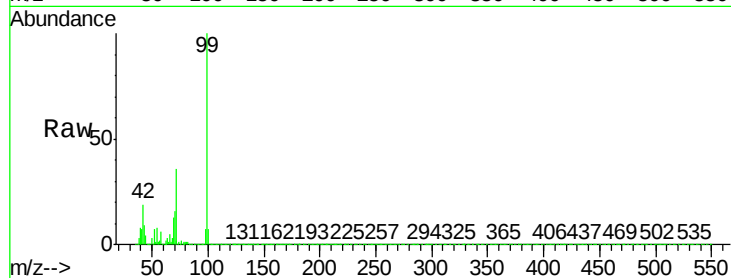
BNA_P

ClientSampleId :

RB47184-RT

Tot Ion: 99 Resp: 1992918

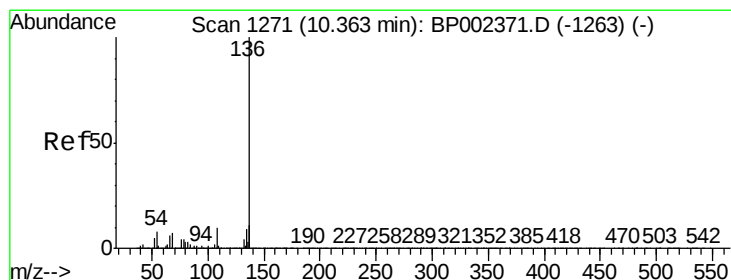
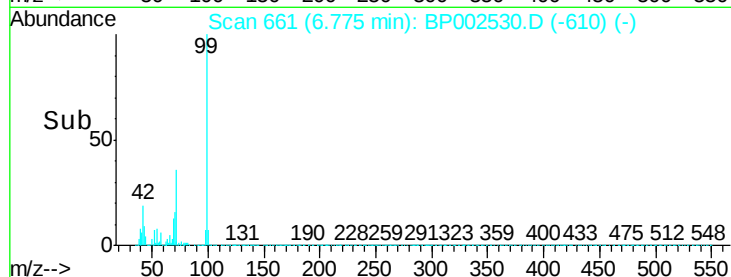
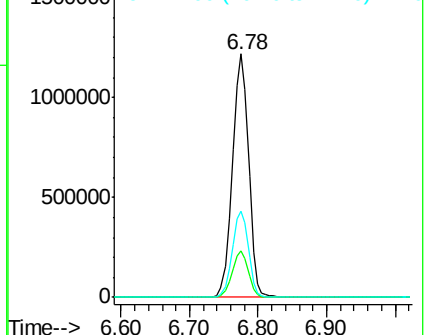
Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	35.7	28.2	42.2



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: 10.35 min Scan# 1269

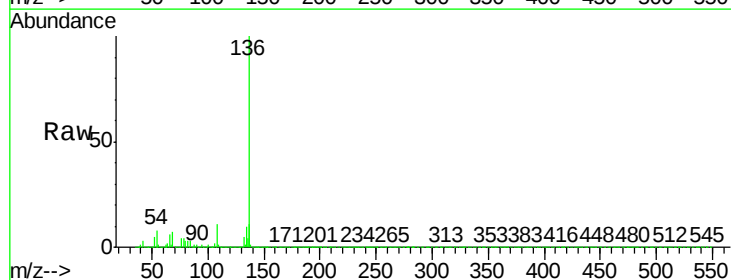
Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Tgt Ion: 136 Resp: 941172

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.4	6.6	10.0
68	6.7	5.4	8.0

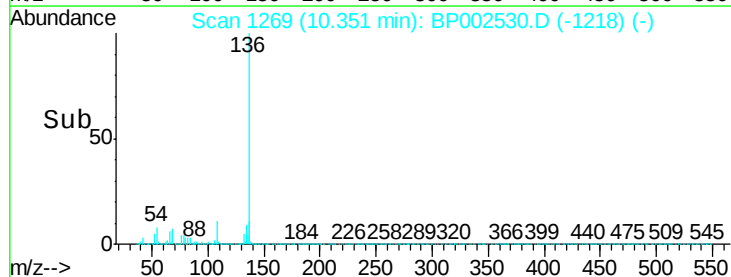
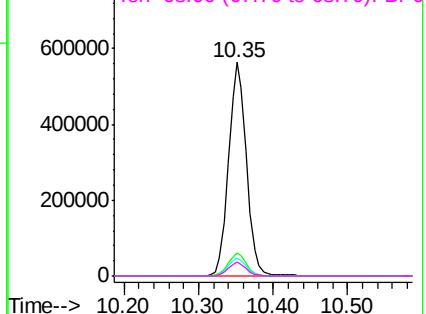


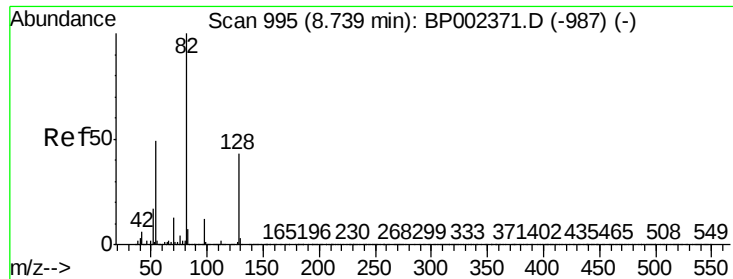
Abundance Ion 136.00 (135.70 to 136.70): E

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

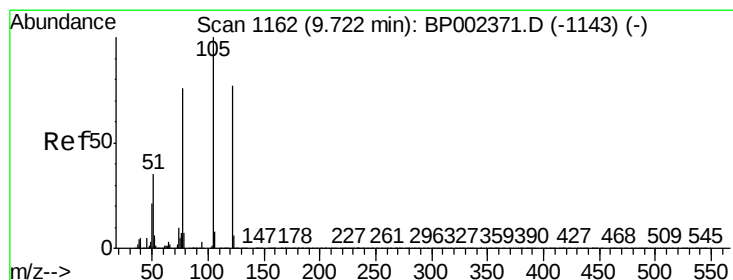
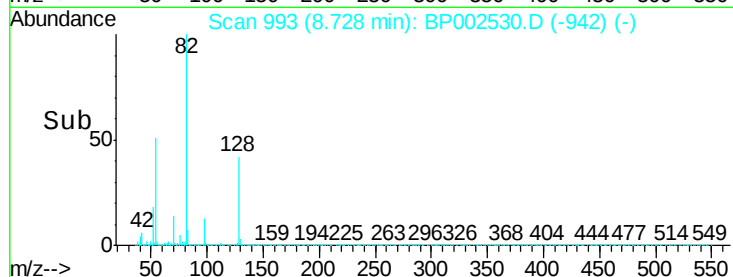
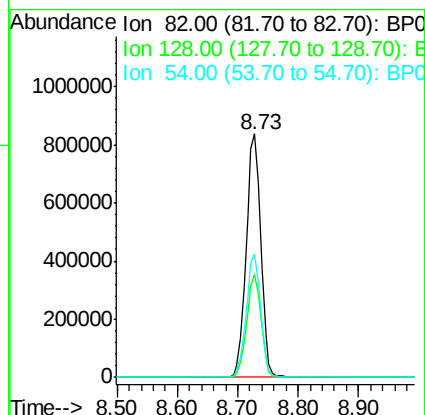
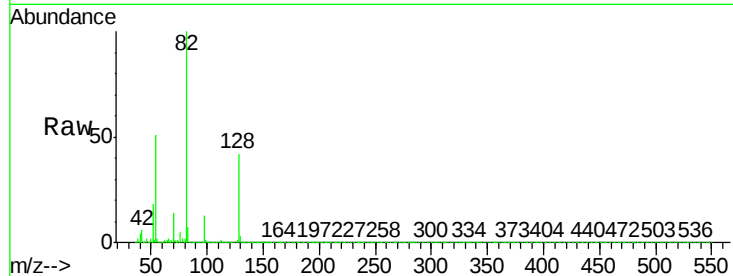




#23
Nitrobenzene-d5
Concen: 89.142 ng
RT: 8.73 min Scan# 993
Delta R.T. 0.00 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

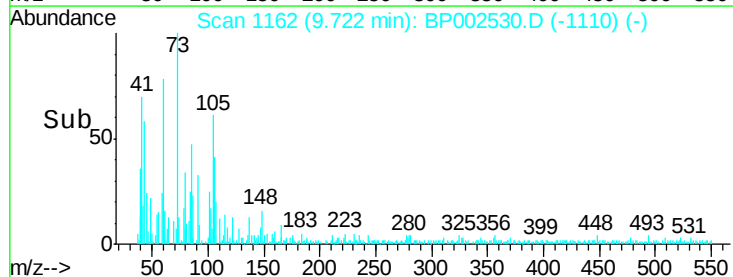
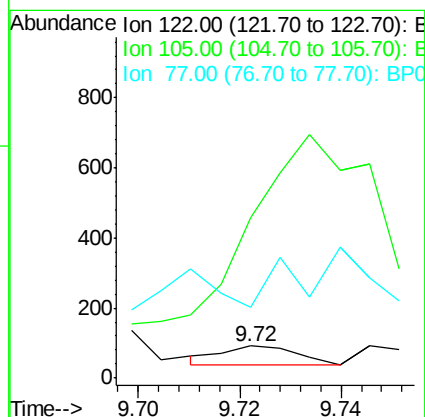
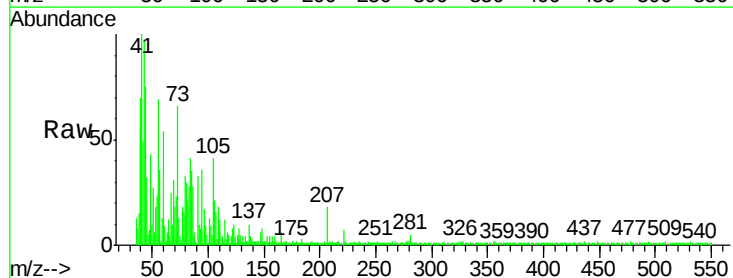
Instrument :
BNA_P
ClientSampleId :
RB47184-RT

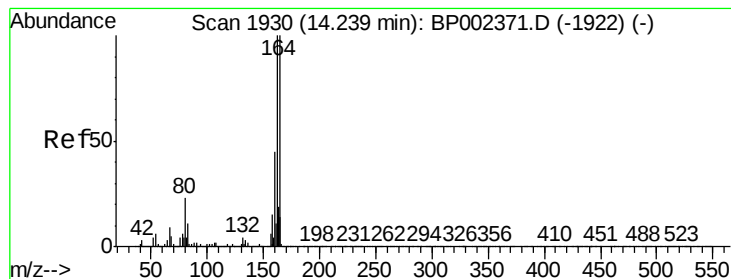
Tot Ion: 82 Resp: 1404879
Ion Ratio Lower Upper
82 100
128 42.2 32.8 49.2
54 50.6 39.9 59.9



#32
Benzoic acid
Concen: 4.604 ng
RT: 9.72 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 504.4 105.0 145.0#
77 223.1 76.9 116.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampleId :

RB47184-RT

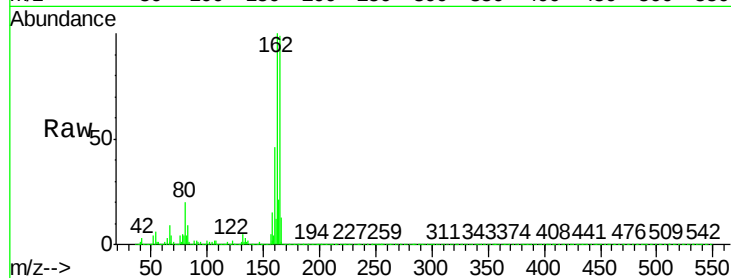
Tot Ion:164 Resp: 560558

Ion Ratio Lower Upper

164 100

162 100.9 80.6 121.0

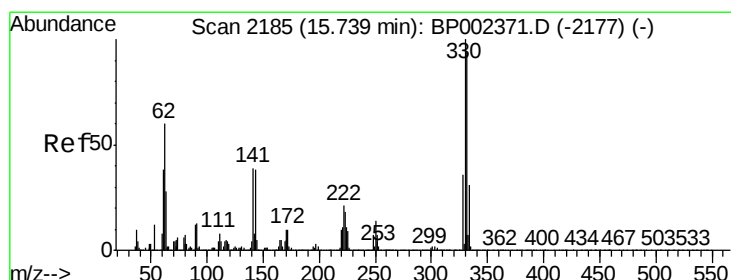
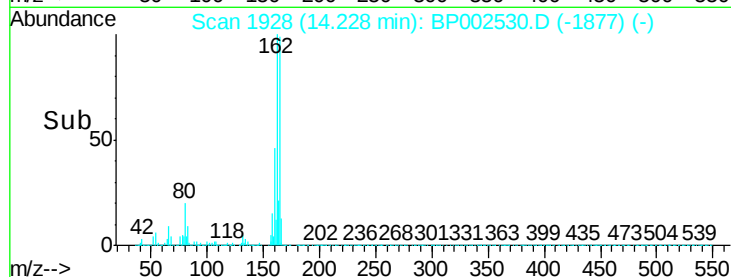
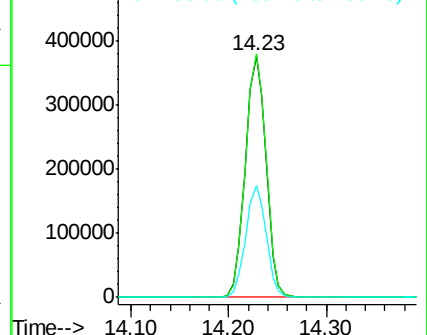
160 46.2 35.4 53.2



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: 132.592 ng

RT: 15.73 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

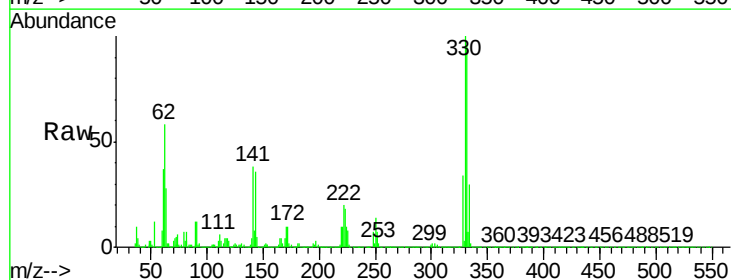
Tgt Ion:330 Resp: 711616

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

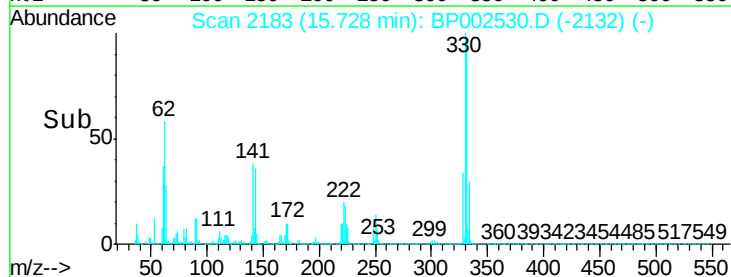
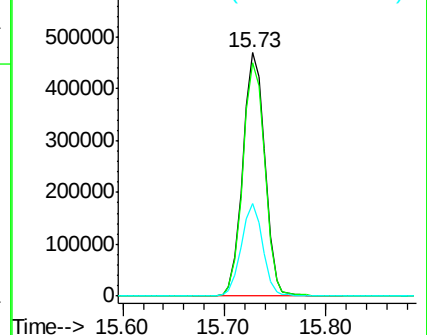
141 36.6 30.4 45.6

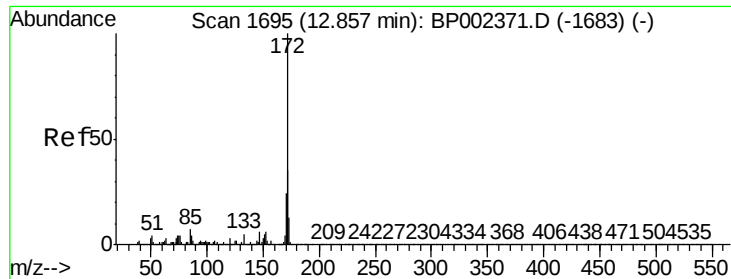


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

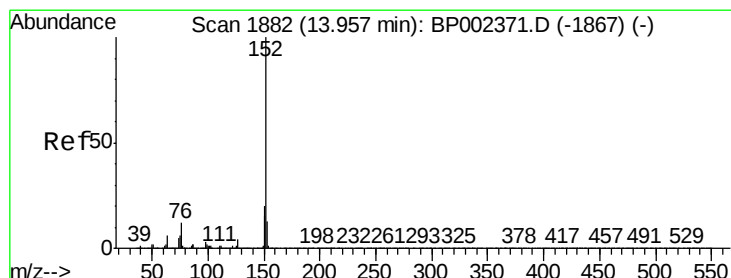
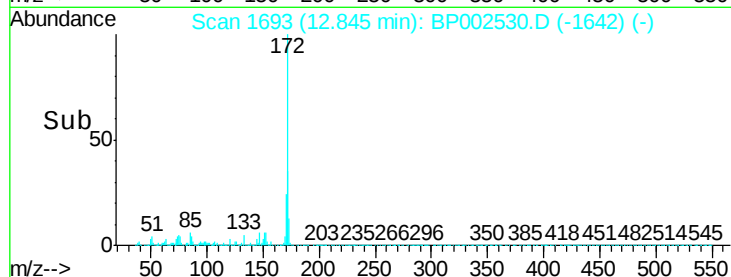
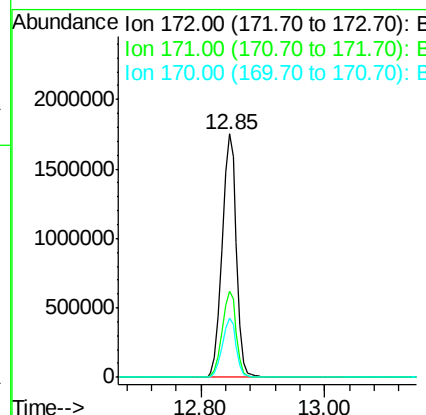
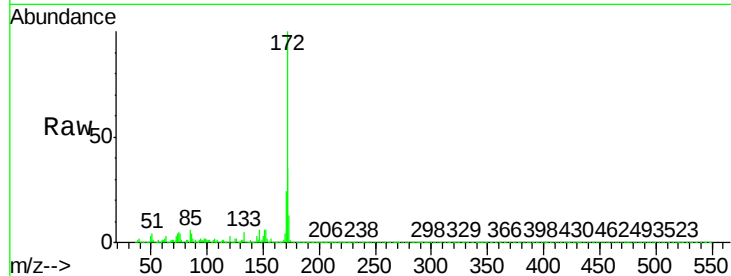




#45
2-Fluorobiphenyl
Concen: 83.921 ng
RT: 12.85 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

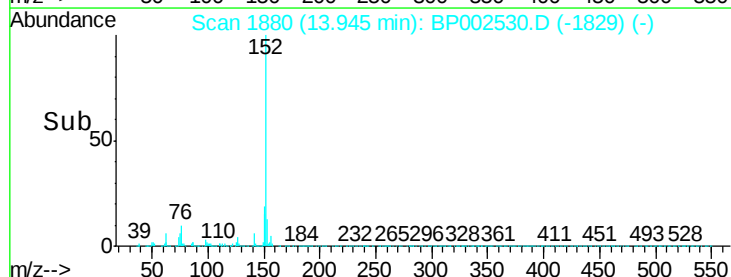
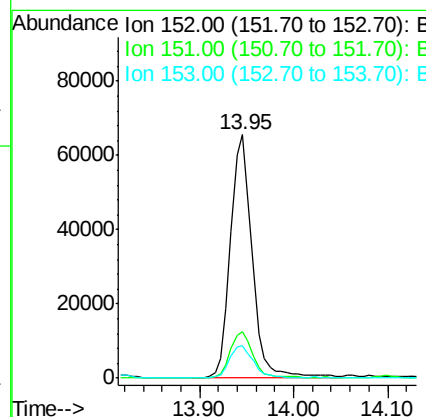
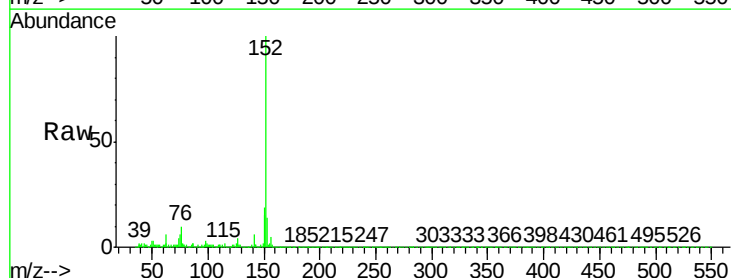
Instrument :
BNA_P
ClientSampleId :
RB47184-RT

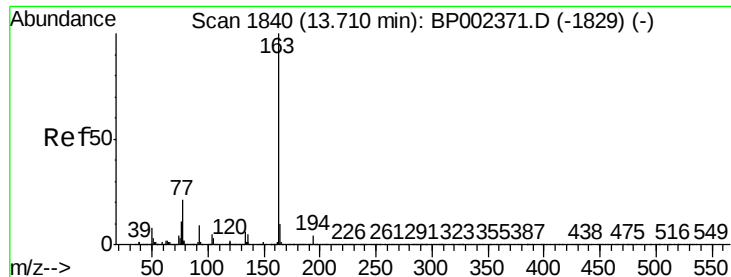
Tot Ion:172 Resp: 2797790
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 24.1 19.0 28.6



#49
Acenaphthylene
Concen: 2.203 ng
RT: 13.95 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

Tgt Ion:152 Resp: 105658
Ion Ratio Lower Upper
152 100
151 19.1 16.3 24.5
153 13.5 10.9 16.3





#50

Dimethylphthalate

Concen: 8.921 ng

RT: 13.69 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampleId :

RB47184-RT

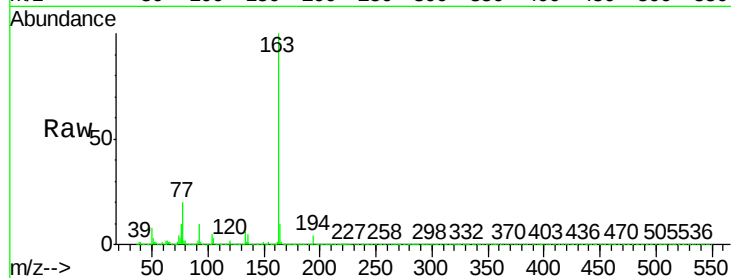
Tot Ion:163 Resp: 342633

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

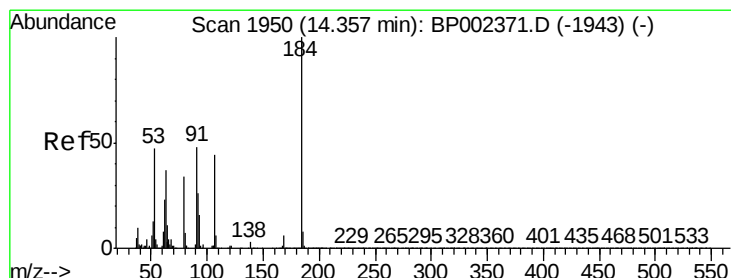
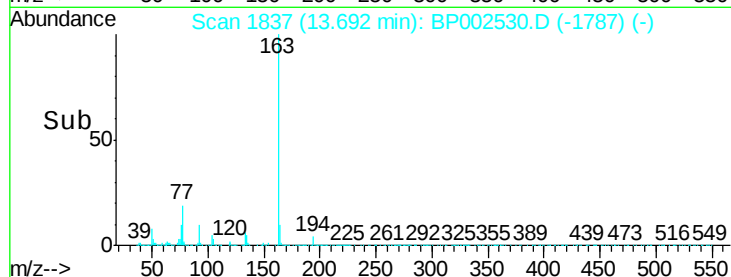
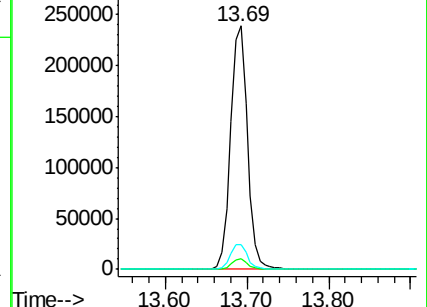
164 9.9 8.2 12.2



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: 2.792 ng

RT: 14.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

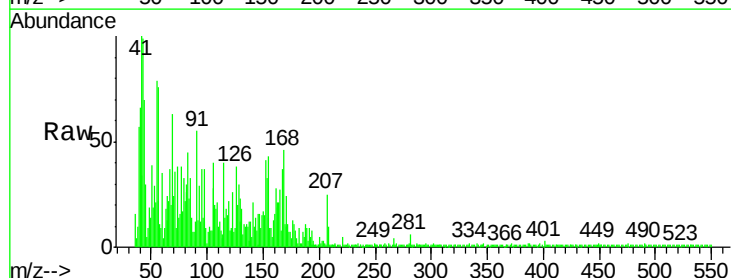
Tgt Ion:184 Resp: 29

Ion Ratio Lower Upper

184 100

63 624.3 51.3 76.9#

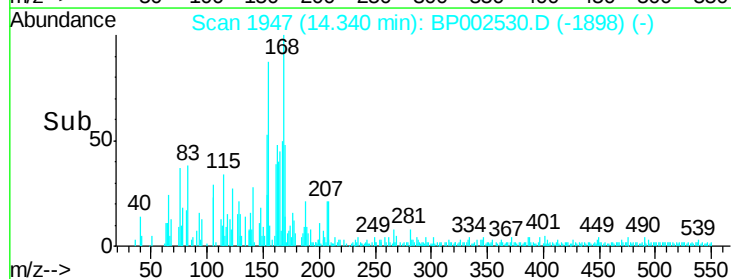
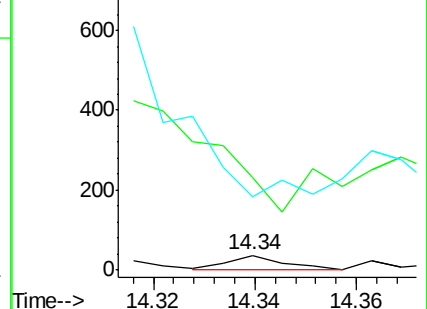
154 500.0 50.2 75.2#

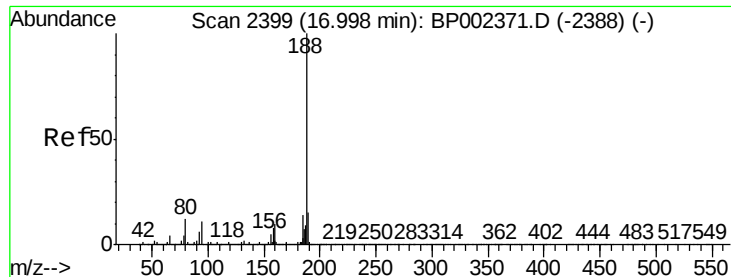


Abundance Ion 184.00 (183.70 to 184.70): E

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: 16.99 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampled :

RB47184-RT

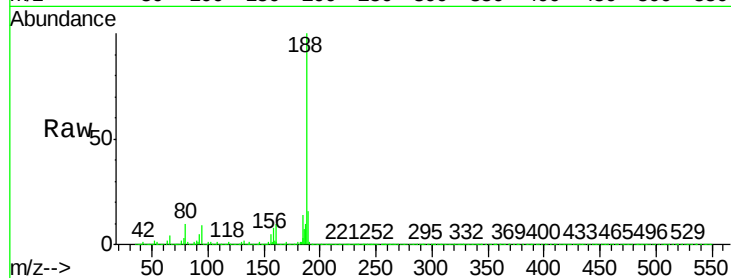
Tot Ion:188 Resp: 1181015

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

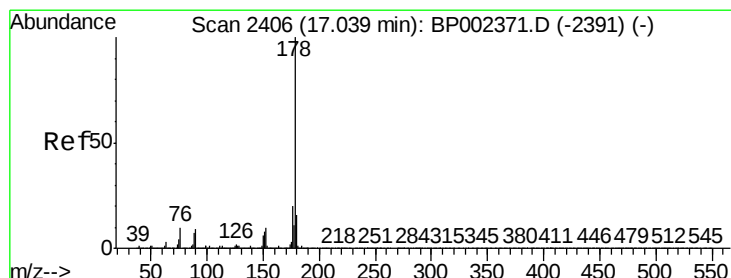
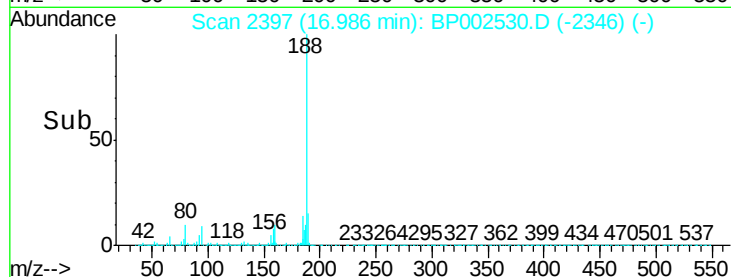
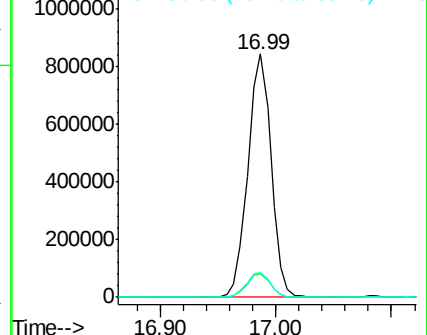
80 10.2 8.3 12.5



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: 5.783 ng

RT: 17.03 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

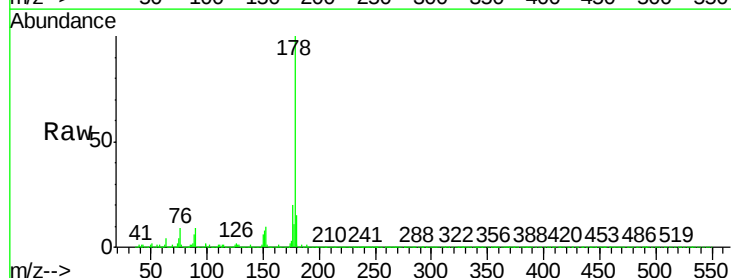
Tgt Ion:178 Resp: 319496

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

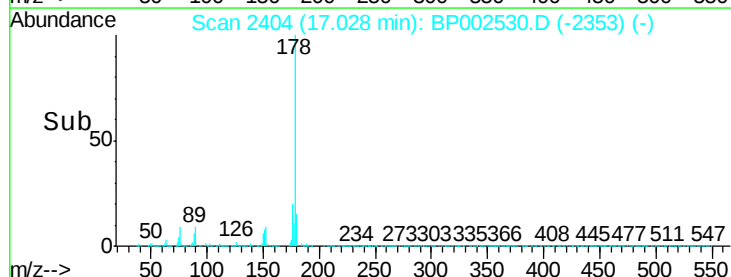
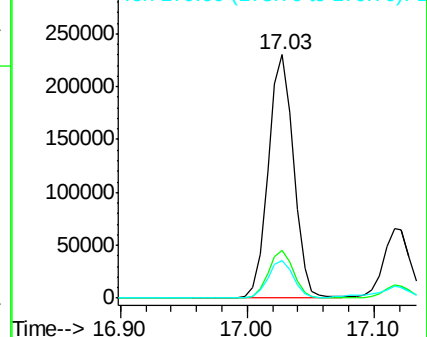
179 15.4 12.8 19.2

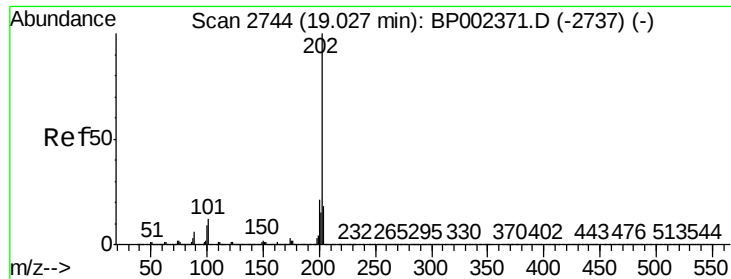


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.296 ng

RT: 19.01 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampleId :

RB47184-RT

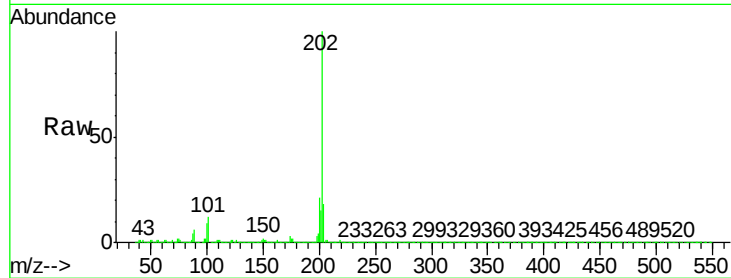
Tot Ion:202 Resp: 876824

Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.3

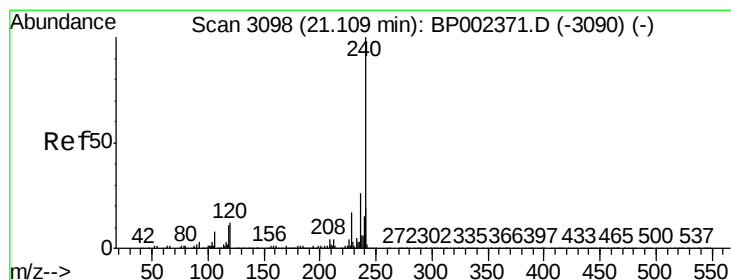
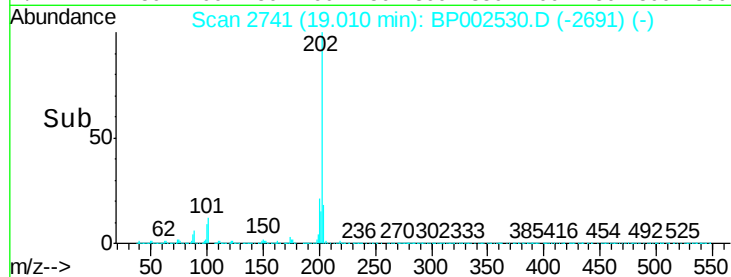
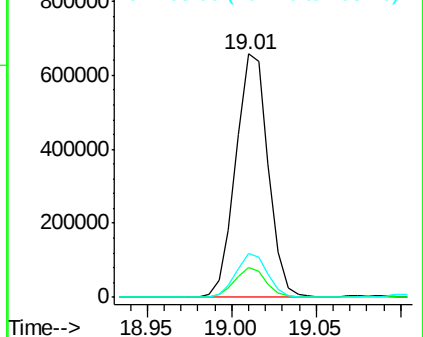
203 18.3 0.0 36.9



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: 21.09 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

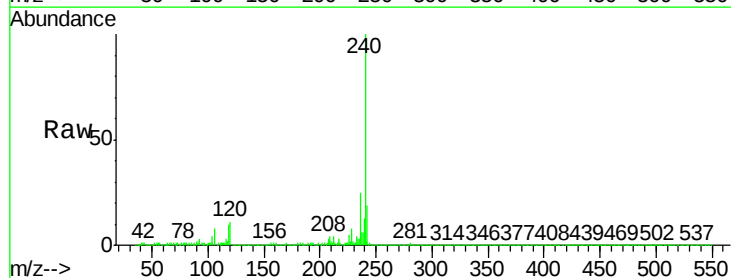
Tgt Ion:240 Resp: 845578

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

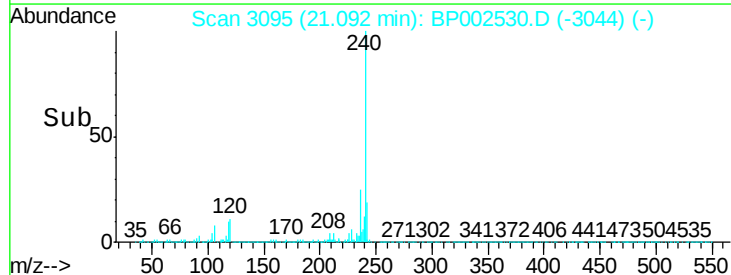
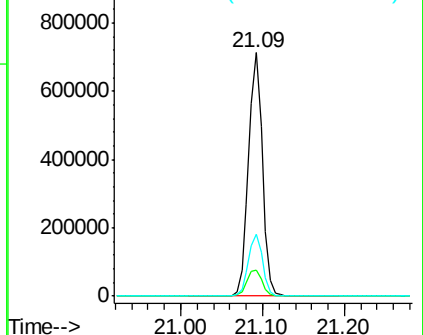
236 25.4 21.7 32.5

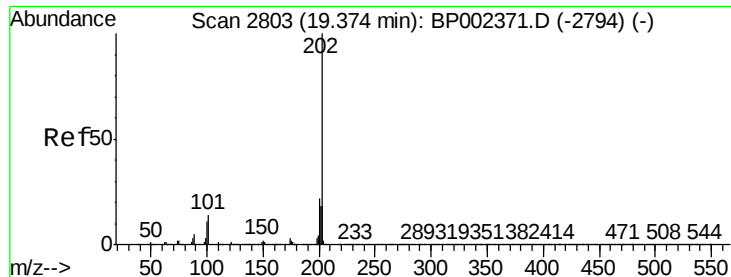


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 14.933 ng

RT: 19.36 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampleId :

RB47184-RT

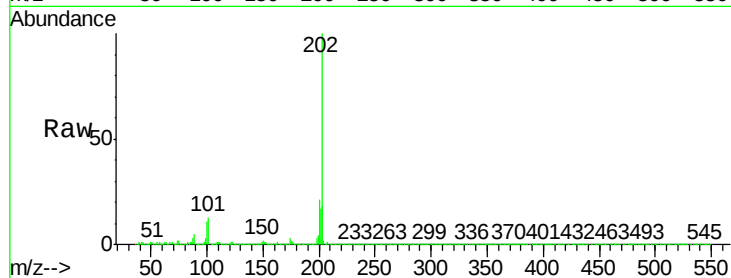
Tot Ion:202 Resp: 773438

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

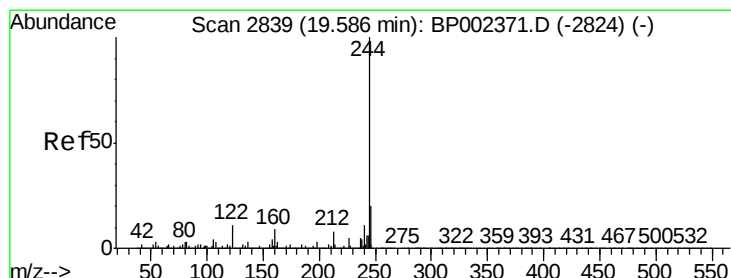
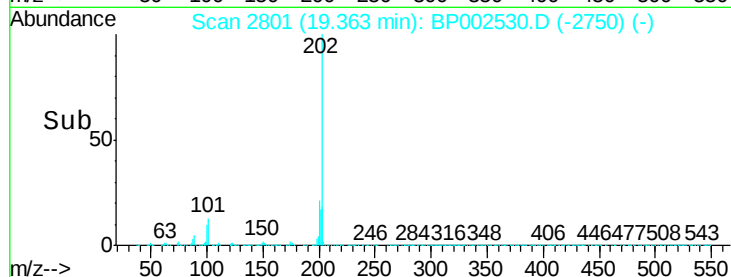
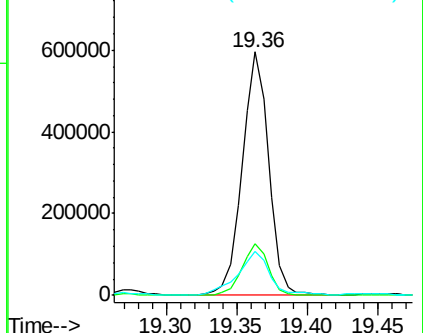
203 17.8 14.1 21.1



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: 115.685 ng

RT: 19.57 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

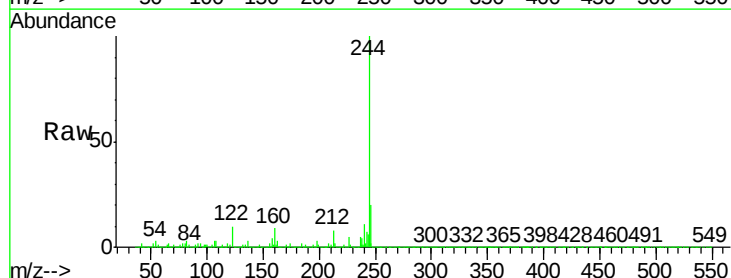
Tgt Ion:244 Resp: 3476046

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

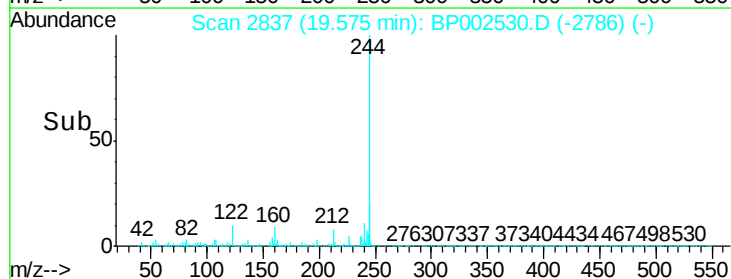
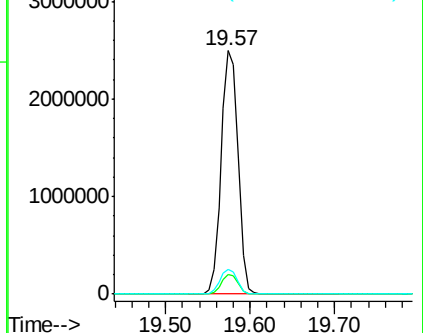
122 10.0 8.0 12.0

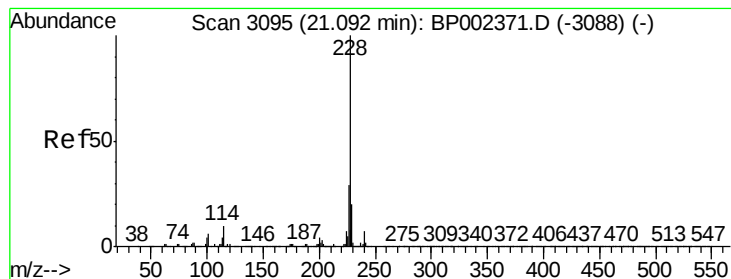


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.585 ng

RT: 21.07 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampleId :

RB47184-RT

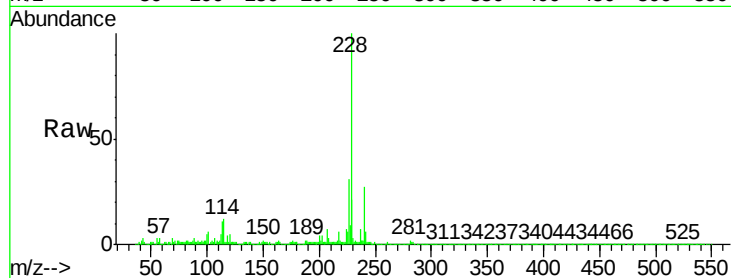
Tot Ion:228 Resp: 366092

Ion Ratio Lower Upper

228 100

226 31.0 22.3 33.5

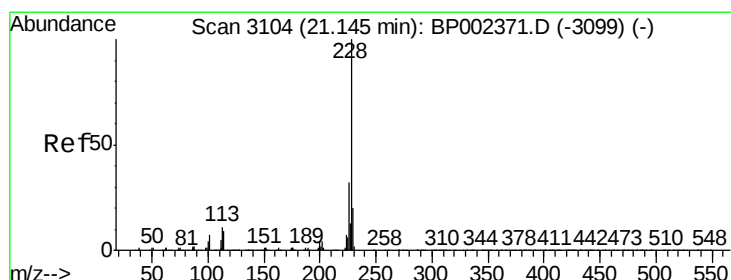
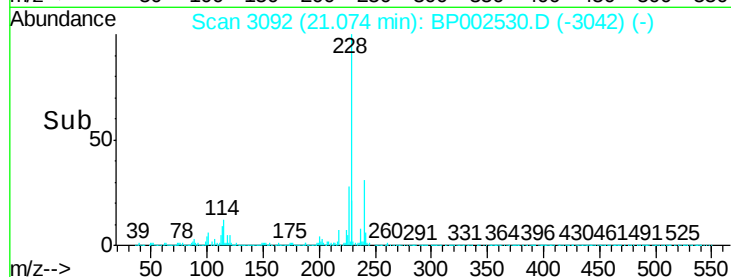
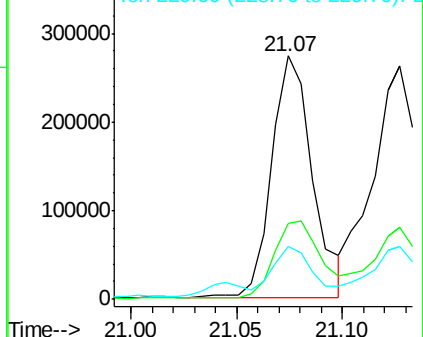
229 21.5 15.9 23.9



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: 8.507 ng

RT: 21.13 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

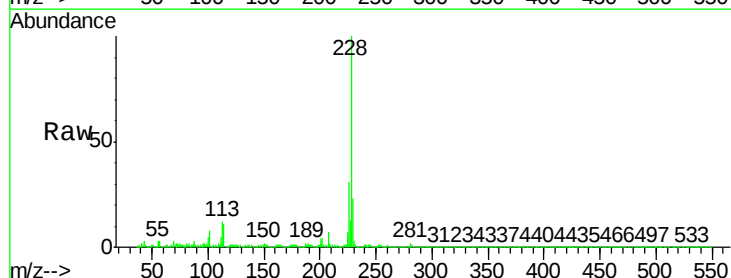
Tgt Ion:228 Resp: 388996

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

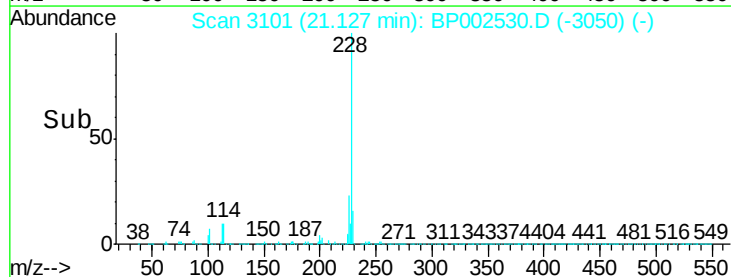
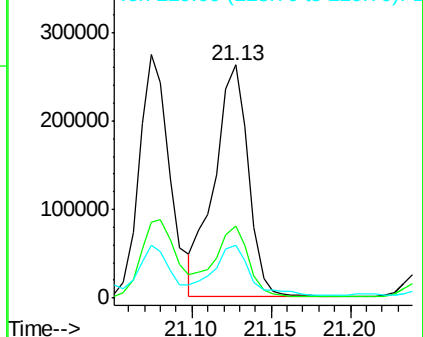
229 22.7 15.7 23.5

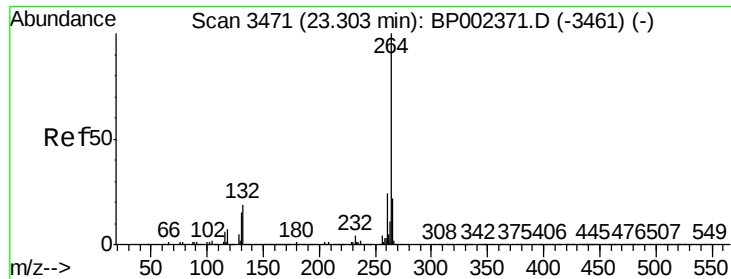


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



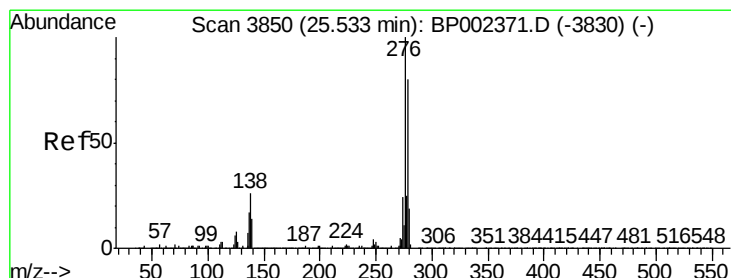
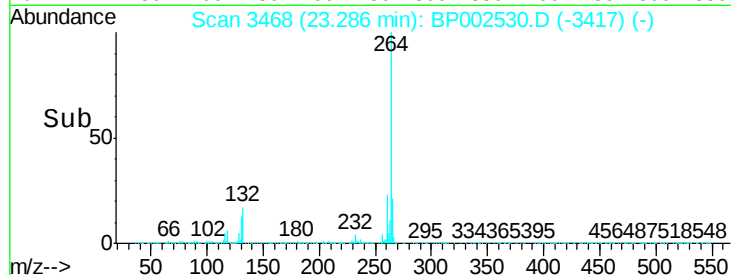
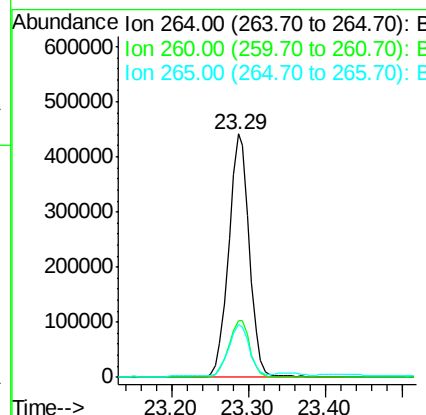
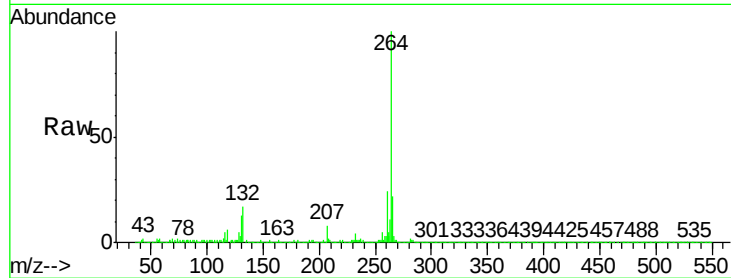


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. 0.00 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

Instrument :
BNA_P
ClientSampleId :
RB47184-RT

Tot Ion:264 Resp: 816565

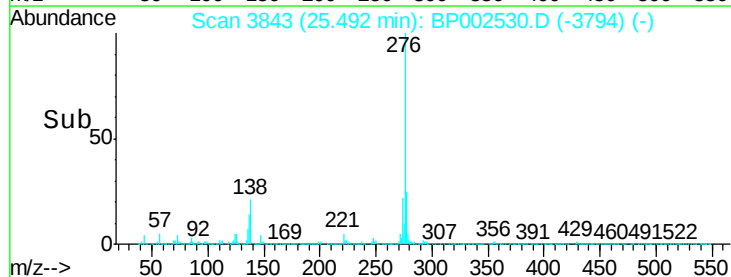
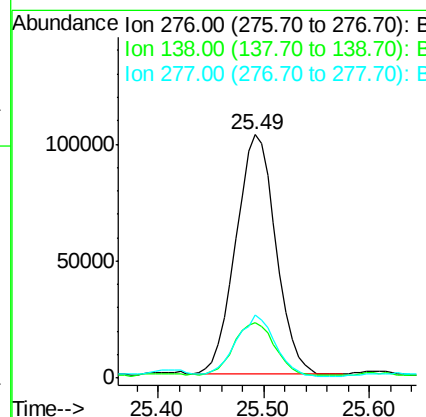
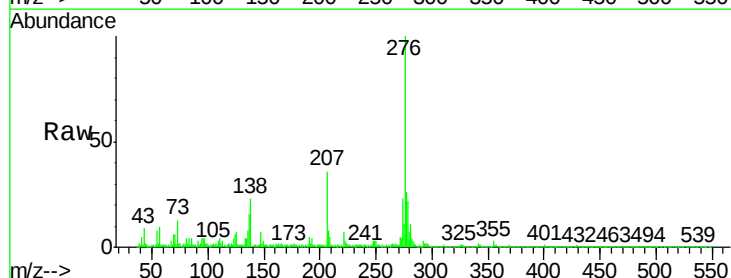
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.7	29.5
265	21.8	17.6	26.4

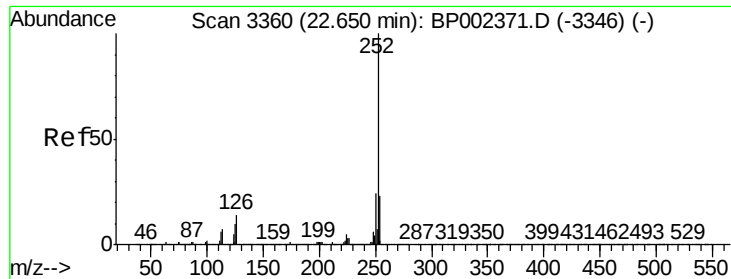


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.274 ng
RT: 25.49 min Scan# 3843
Delta R.T. -0.01 min
Lab File: BP002530.D
Acq: 24 Jun 2020 19:17

Tgt Ion:276 Resp: 269380

Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.4	29.0
277	24.9	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 16.352 ng

RT: 22.63 min Scan# 3357

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampleId :

RB47184-RT

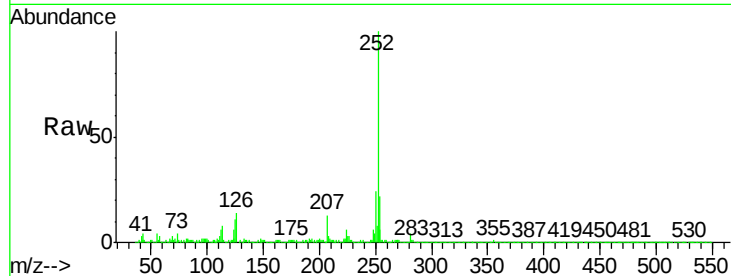
Tot Ion:252 Resp: 720048

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

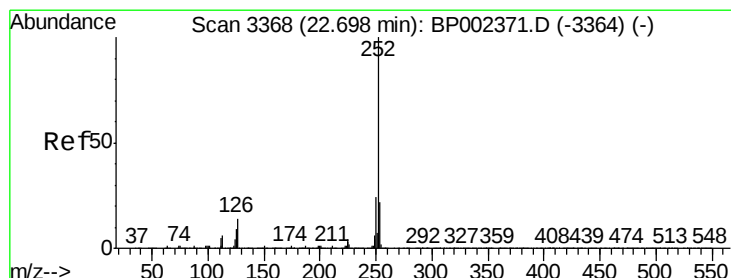
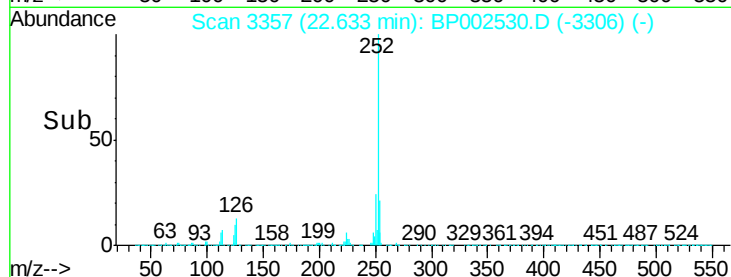
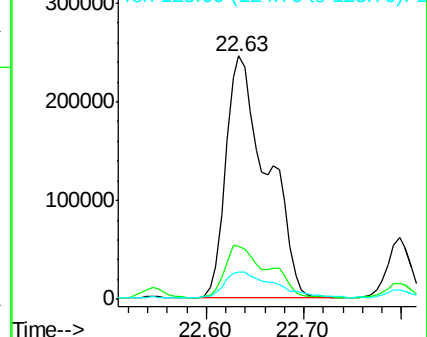
125 11.1 7.5 11.3



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: 17.210 ng

RT: 22.63 min Scan# 3357

Delta R.T. -0.05 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

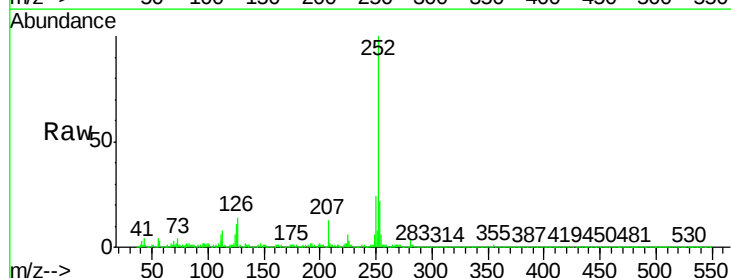
Tgt Ion:252 Resp: 720048

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

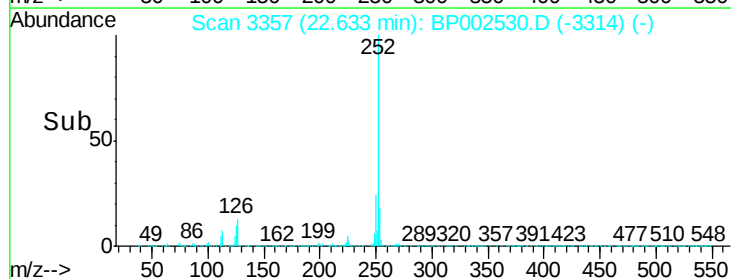
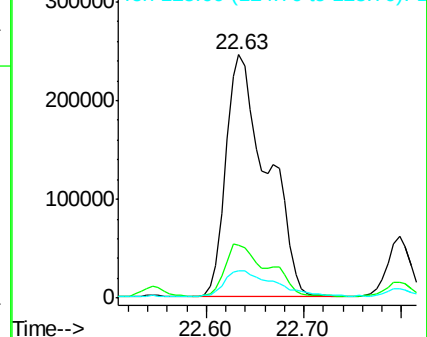
125 11.1 7.0 10.4#

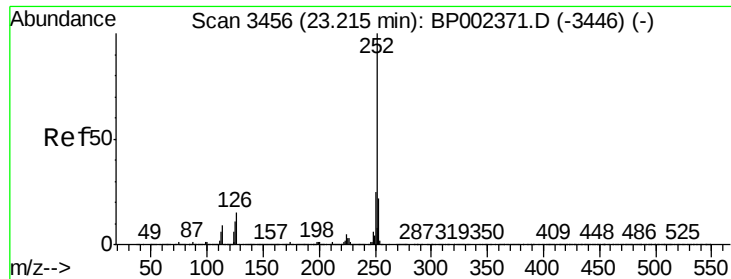


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 8.206 ng

RT: 23.19 min Scan# 3452

Delta R.T. 0.00 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

Instrument :

BNA_P

ClientSampleId :

RB47184-RT

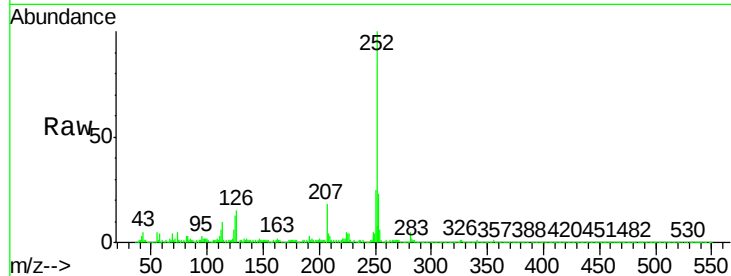
Tot Ion:252 Resp: 338619

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

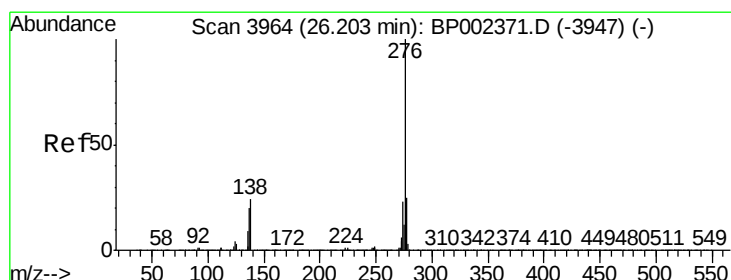
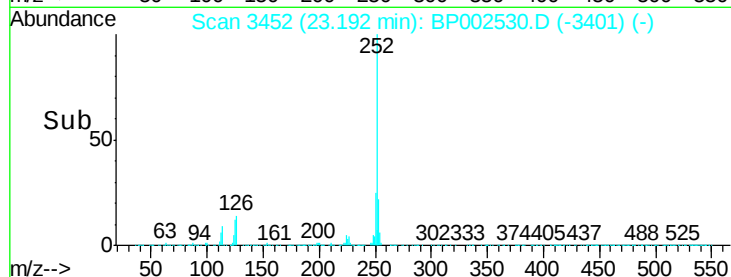
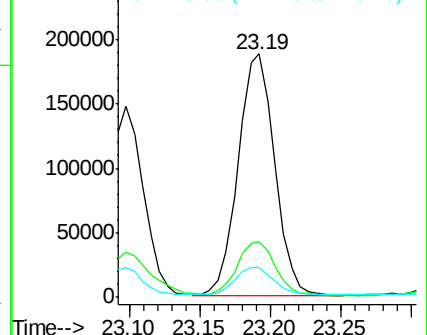
125 12.5 8.7 13.1



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



#92

Benzo(g,h,i)perylene

Concen: 6.023 ng

RT: 26.16 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BP002530.D

Acq: 24 Jun 2020 19:17

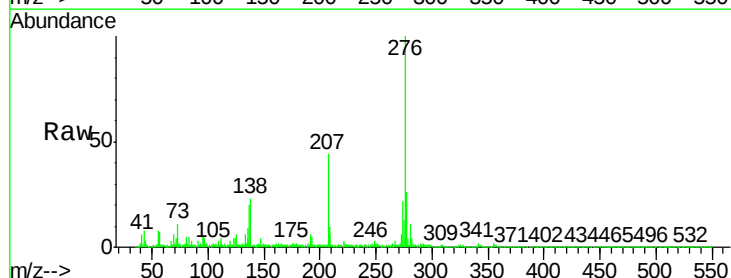
Tgt Ion:276 Resp: 255551

Ion Ratio Lower Upper

276 100

277 26.4 18.7 28.1

138 23.3 17.6 26.4



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

