

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062320\
 Data File : BP002504.D
 Acq On : 23 Jun 2020 15:50
 Operator : CG/JU
 Sample : L3082-12RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-13

Quant Time: Jun 23 17:26:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	174410	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	672531	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	394082	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	880701	20.00	ng	0.00
76) Chrysene-d12	21.10	240	909465	20.00	ng	-0.01
86) Perylene-d12	23.30	264	960894	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	402466	42.70	ng	0.00
7) Phenol-d6	6.78	99	1052548	83.88	ng	0.00
23) Nitrobenzene-d5	8.73	82	937772	83.27	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	130917	34.70	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2004526	85.53	ng	0.00
79) Terphenyl-d14	19.58	244	2974264	83.60	ng	0.00

Target Compounds

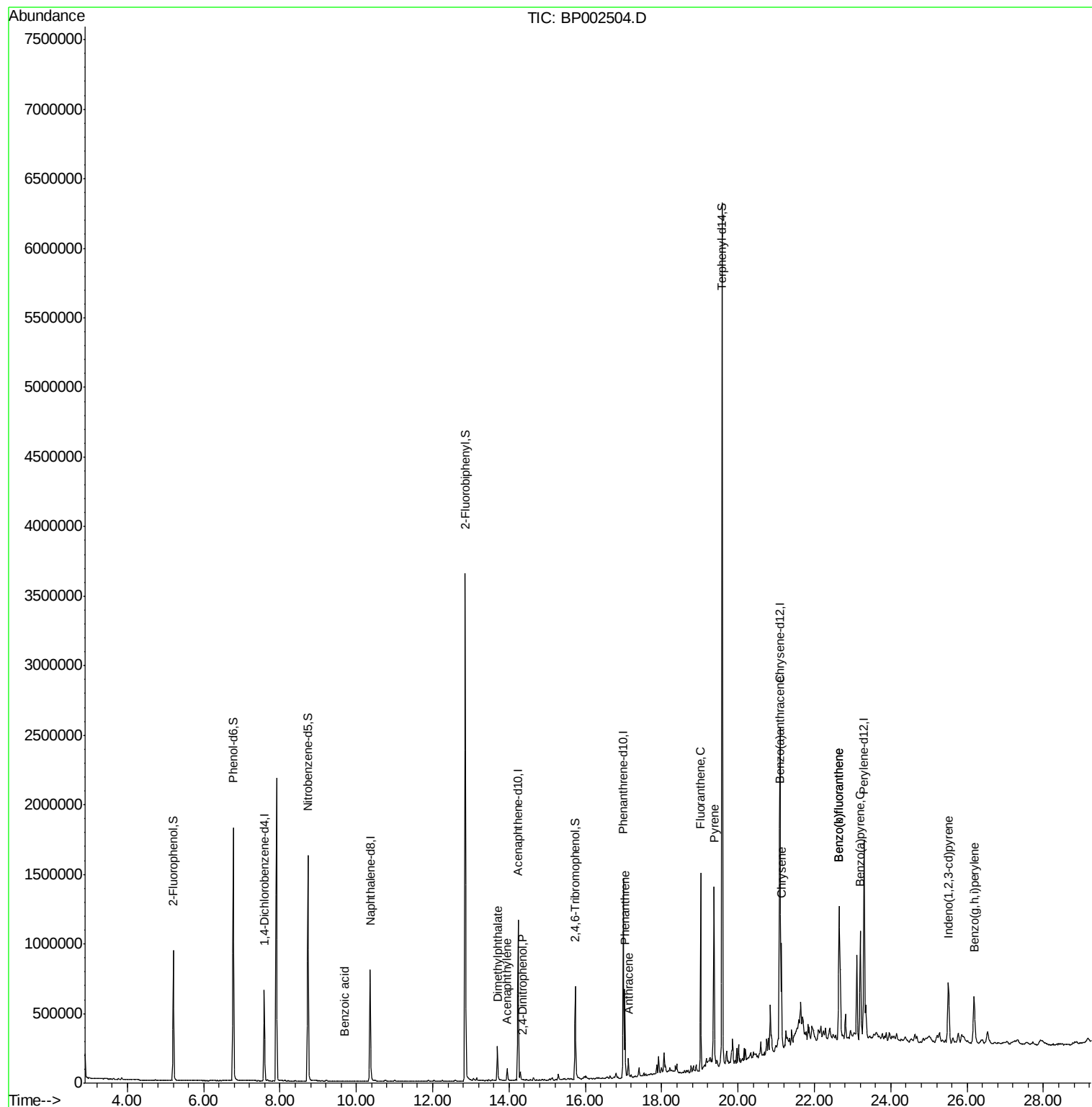
					Qvalue	
9) Benzaldehyde	6.70	77	125	Below Cal	#	46
32) Benzoic acid	9.70	122	112	4.614 ng	#	59
49) Acenaphthylene	13.95	152	70421	2.088 ng		99
50) Dimethylphthalate	13.70	163	172556	6.390 ng		100
54) 2,4-Dinitrophenol	14.36	184	34	2.795 ng	#	1
61) 4-Chlorophenyl-phenylether	15.29	204	10	Below Cal	#	1
71) Phenanthrene	17.03	178	375885	9.124 ng		99
72) Anthracene	17.12	178	82591	2.018 ng		98
75) Fluoranthene	19.02	202	803569	16.341 ng		98
78) Pyrene	19.37	202	752573	13.509 ng		98
81) Benzo(a)anthracene	21.08	228	443687	8.547 ng		98
83) Chrysene	21.13	228	414241	8.422 ng		97
87) Indeno(1,2,3-cd)pyrene	25.51	276	373687	6.218 ng		96
88) Benzo(b)fluoranthene	22.65	252	1034411	19.962 ng		98
89) Benzo(k)fluoranthene	22.65	252	1034411	21.010 ng		98
90) Benzo(a)pyrene	23.20	252	545027	11.224 ng		99
92) Benzo(a,h,i)perylene	26.18	276	396817	7.947 ng		97

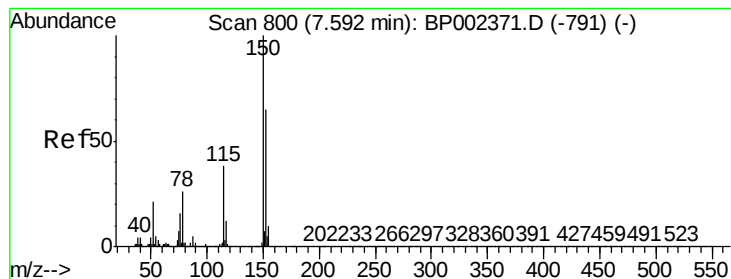
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 799

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

BNA_P

ClientSampleId :

SB-13

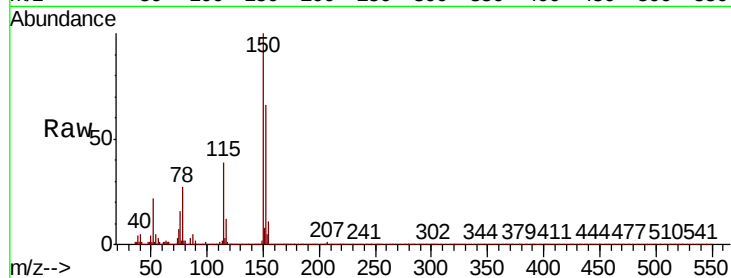
Tot Ion:152 Resp: 174410

Ion Ratio Lower Upper

152 100

150 152.5 124.0 186.0

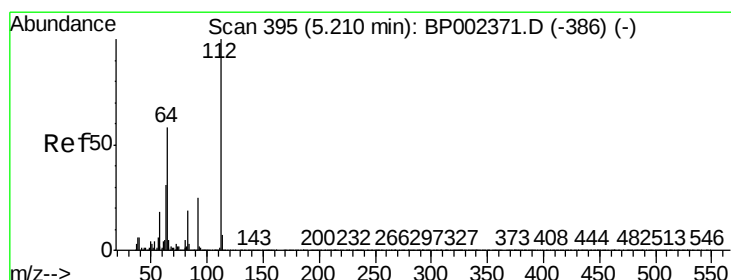
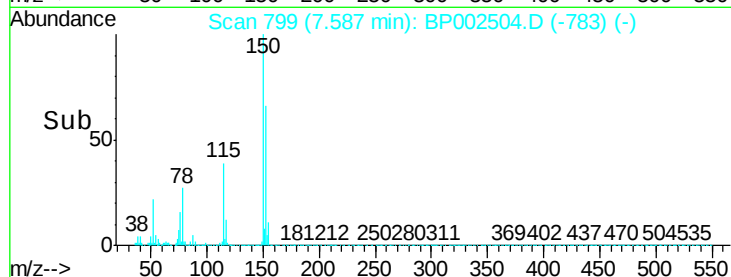
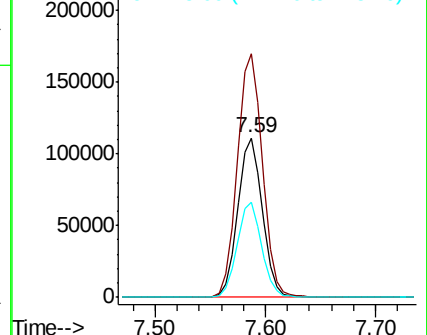
115 59.9 47.4 71.0



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: 42.700 ng

RT: 5.20 min Scan# 394

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

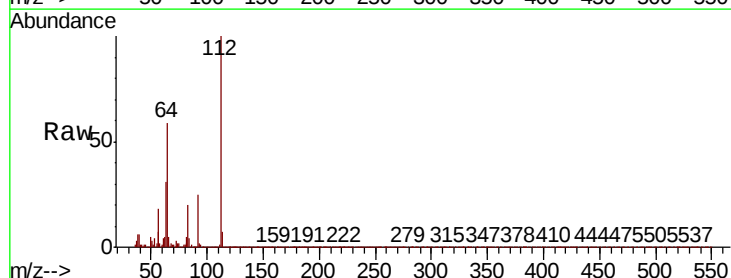
Tgt Ion:112 Resp: 402466

Ion Ratio Lower Upper

112 100

64 58.9 46.2 69.2

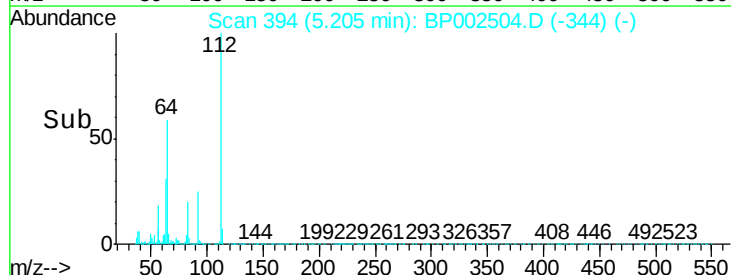
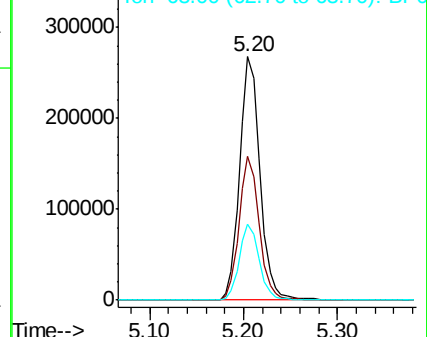
63 31.0 24.5 36.7



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: 83.875 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

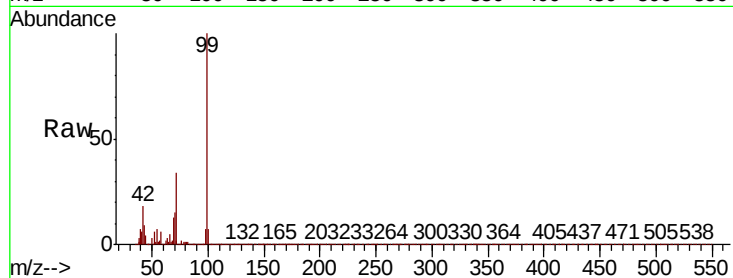
BNA_P

ClientSampleId :

SB-13

Tot Ion: 99 Resp: 1052548

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	22.0
71	34.0	27.2	40.8

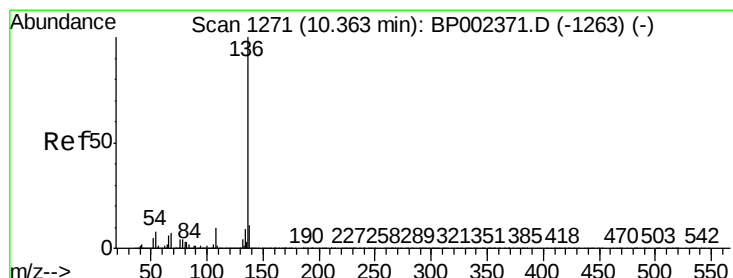
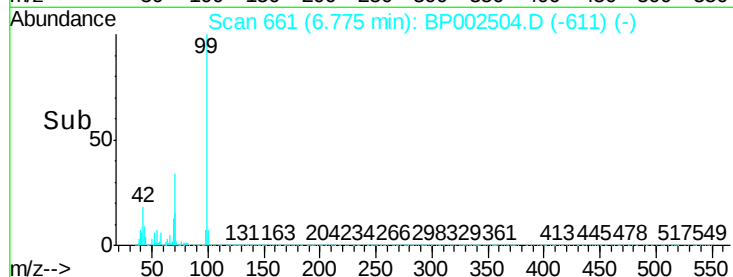
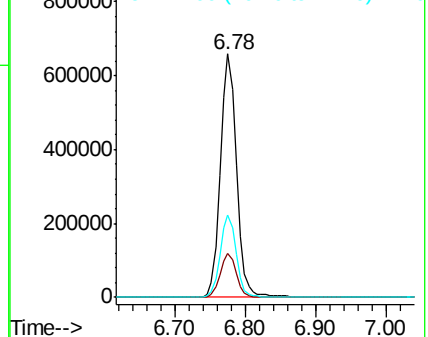


Abundance

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: 10.36 min Scan# 1270

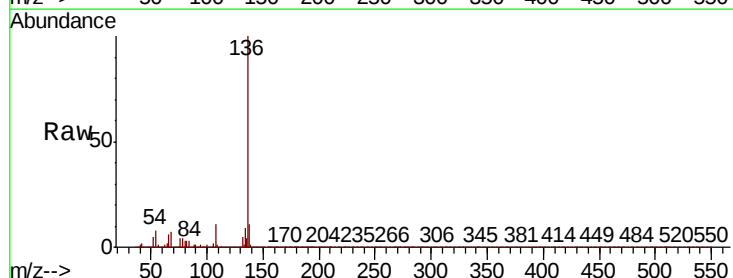
Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Tgt Ion: 136 Resp: 672531

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	6.4	9.6
68	6.6	5.6	8.4



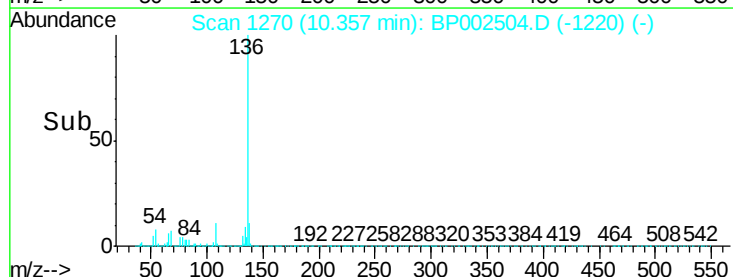
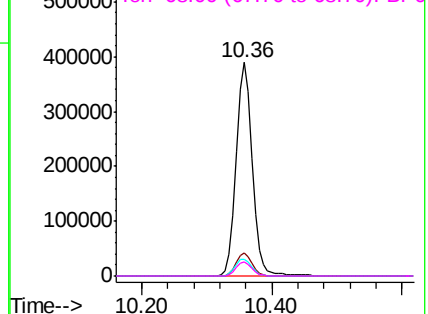
Abundance

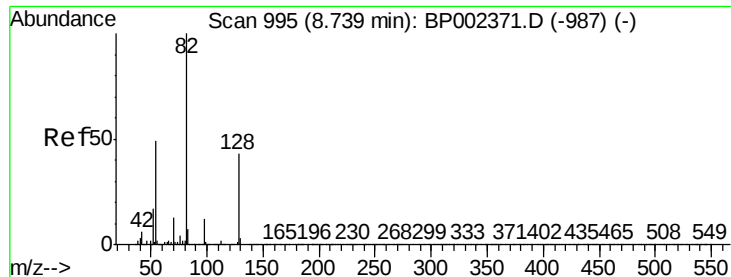
Ion 136.00 (135.70 to 136.70): E

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

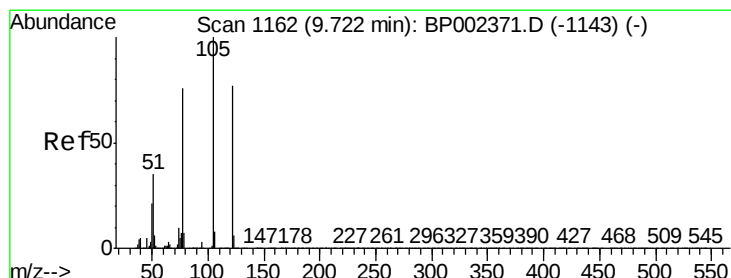
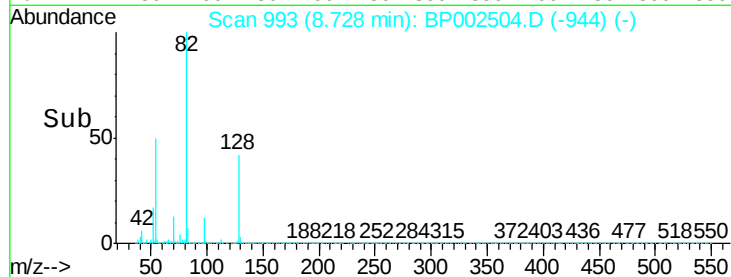
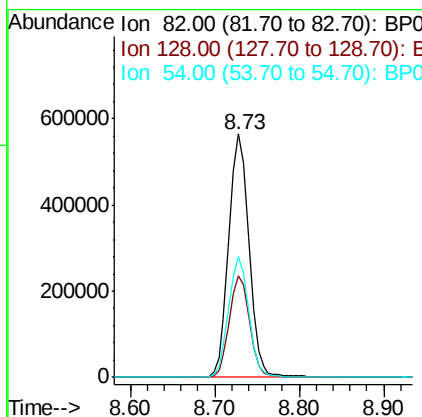
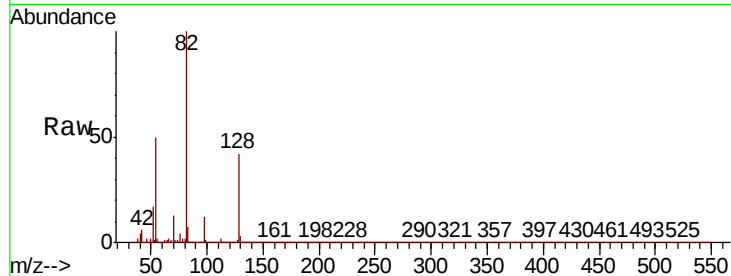




#23
 Nitrobenzene-d5
 Concen: 83.272 ng
 RT: 8.73 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BP002504.D
 Acq: 23 Jun 2020 15:50

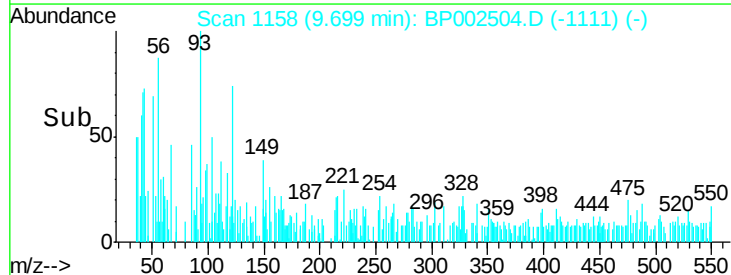
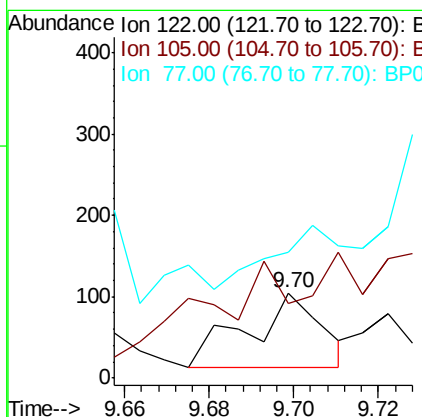
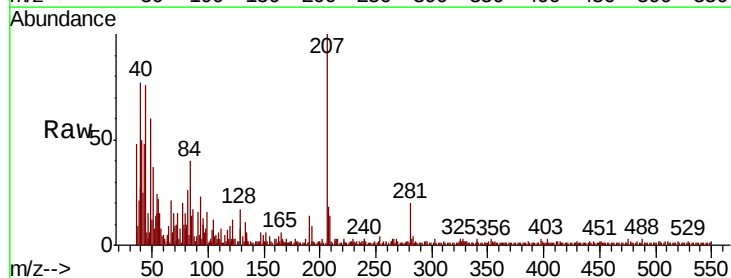
Instrument :
 BNA_P
 ClientSampled :
 SB-13

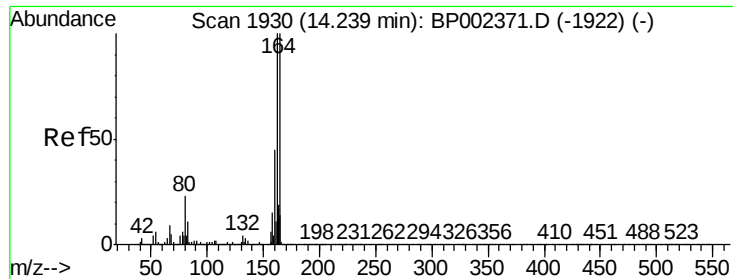
Tot Ion	82	Resp	937772
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.5	51.7
54	49.8	39.4	59.2



#32
 Benzoic acid
 Concen: 4.614 ng
 RT: 9.70 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BP002504.D
 Acq: 23 Jun 2020 15:50

Tgt Ion	122	Resp	112
Ion Ratio	Lower	Upper	
122	100		
105	87.6	106.3	146.3#
77	147.6	77.5	117.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

BNA_P

ClientSampleId :

SB-13

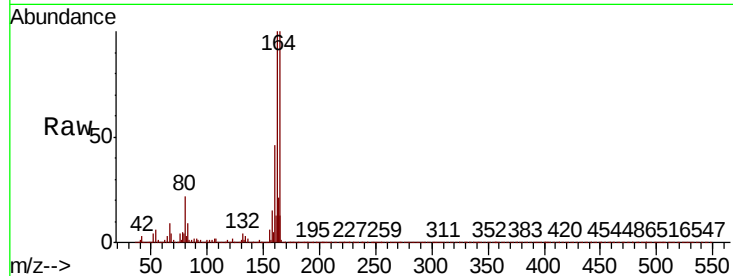
Tot Ion:164 Resp: 394082

Ion Ratio Lower Upper

164 100

162 100.2 79.8 119.8

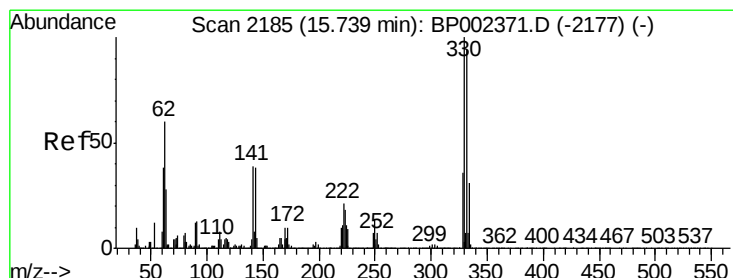
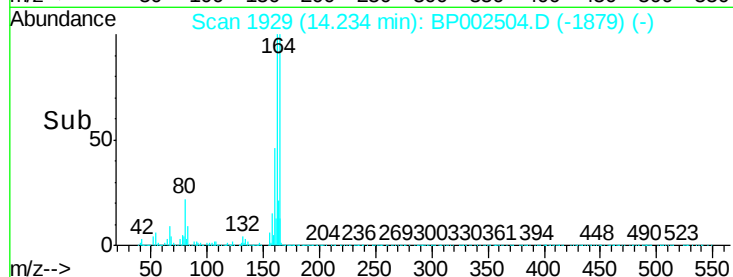
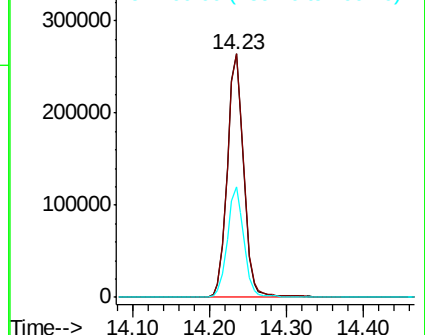
160 45.6 36.2 54.2



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: 34.698 ng

RT: 15.73 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

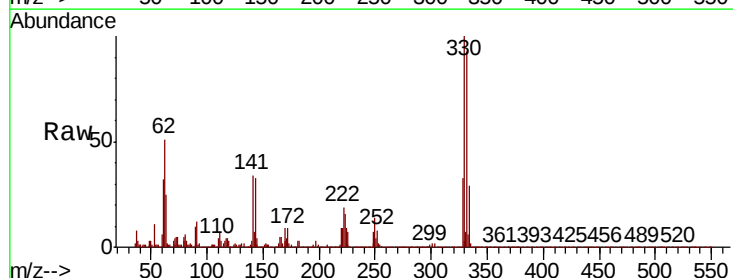
Tgt Ion:330 Resp: 130917

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

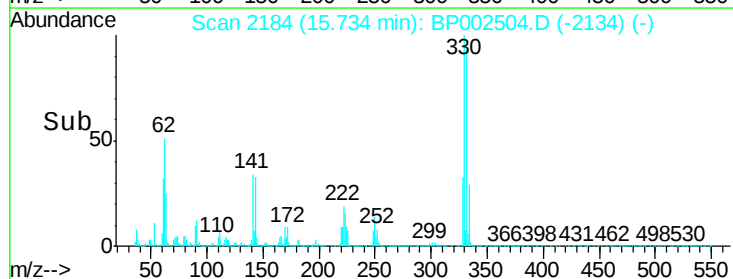
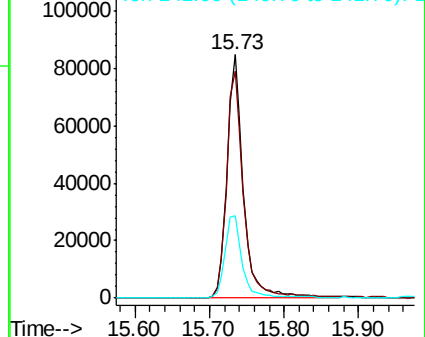
141 35.3 30.3 45.5

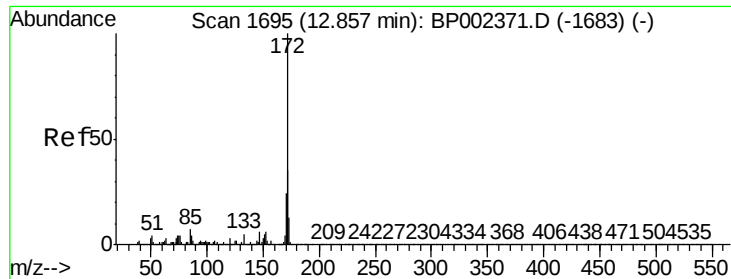


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

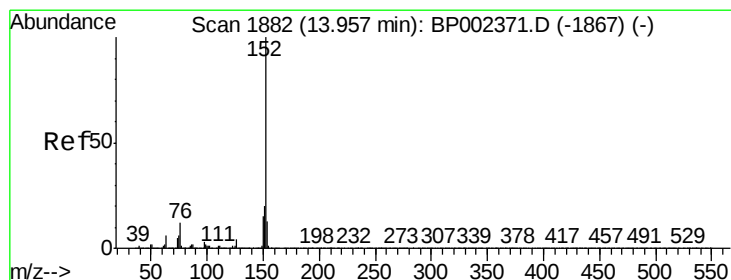
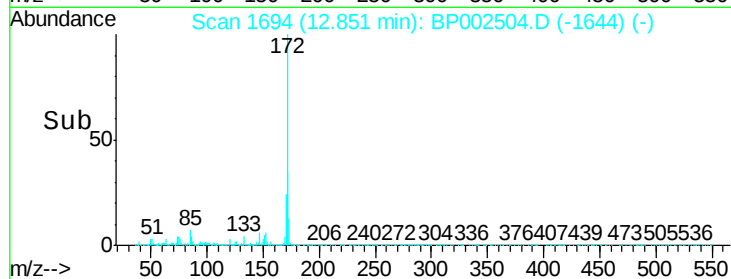
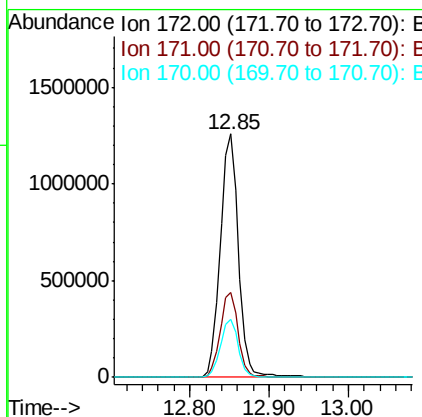
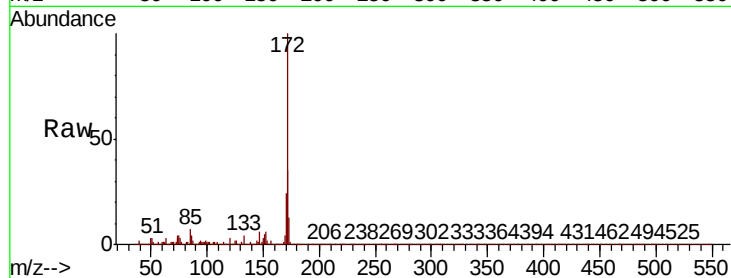




#45
2-Fluorobiphenyl
Concen: 85.527 ng
RT: 12.85 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BP002504.D
Acq: 23 Jun 2020 15:50

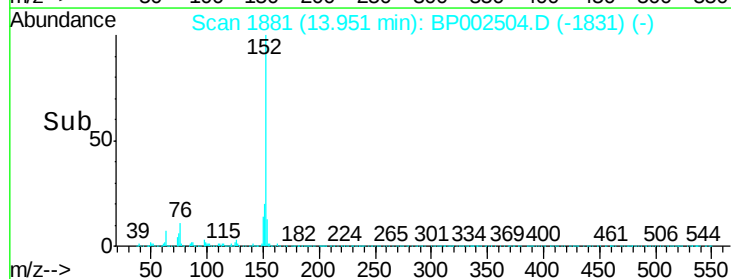
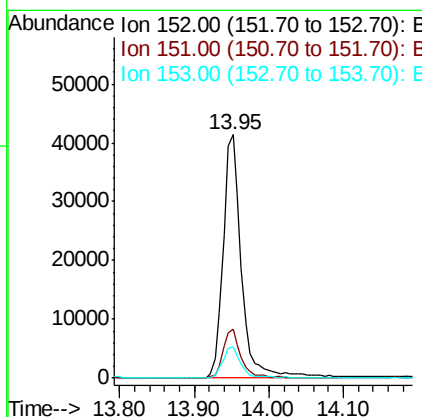
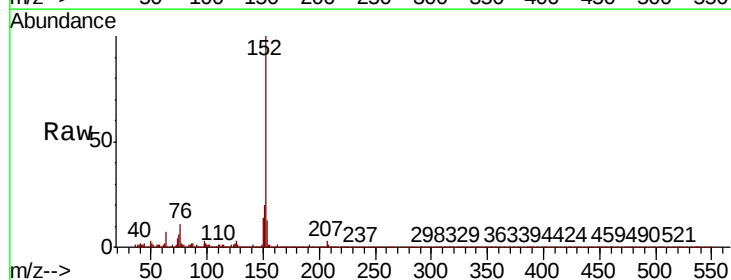
Instrument :
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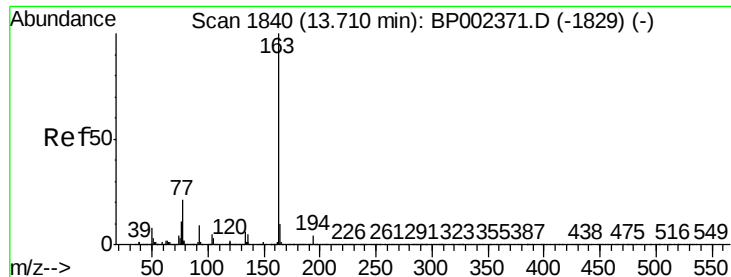
Tot Ion:172 Resp: 2004526
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.8 19.0 28.6



#49
Acenaphthylene
Concen: 2.088 ng
RT: 13.95 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BP002504.D
Acq: 23 Jun 2020 15:50

Tgt Ion:152 Resp: 70421
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 12.9 10.5 15.7





#50

Dimethylphthalate

Concen: 6.390 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

BNA_P

ClientSampleID :

SB-13

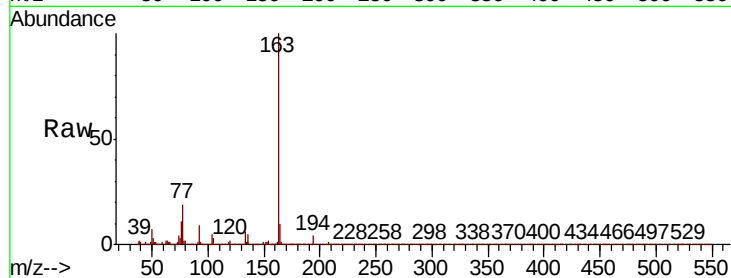
Tot Ion:163 Resp: 172556

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

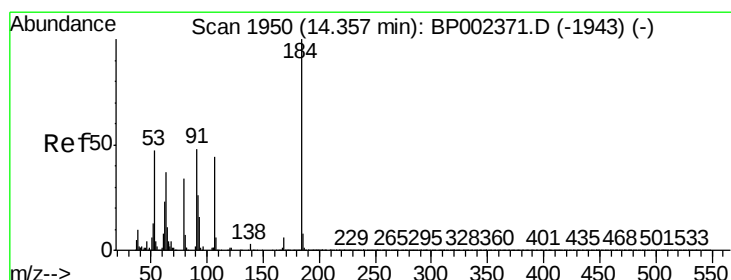
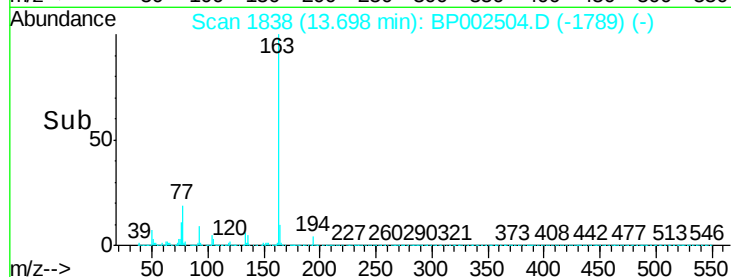
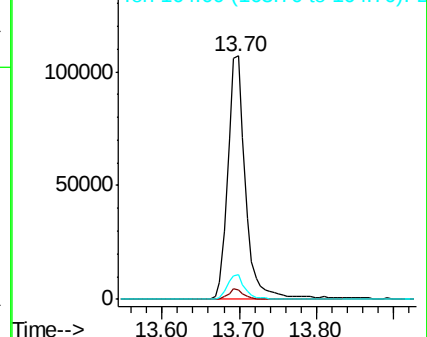
164 10.2 8.1 12.1



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: 2.795 ng

RT: 14.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

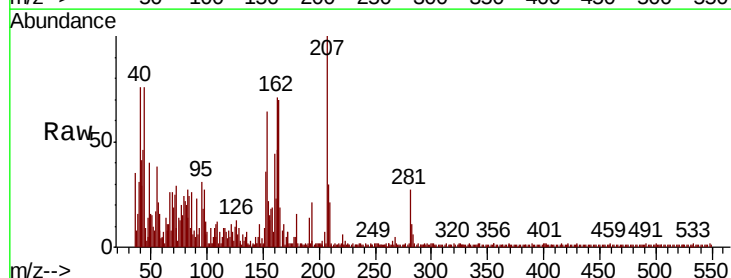
Tgt Ion:184 Resp: 34

Ion Ratio Lower Upper

184 100

63 577.3 52.3 78.5#

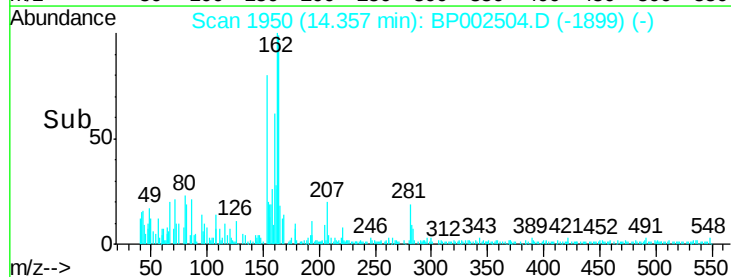
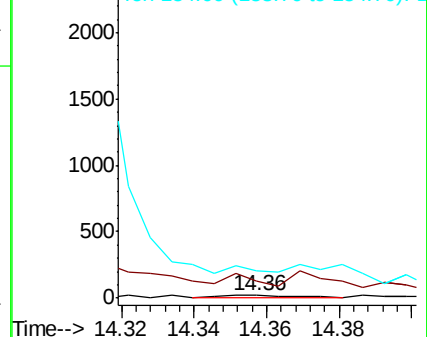
154 936.4 48.6 72.8#

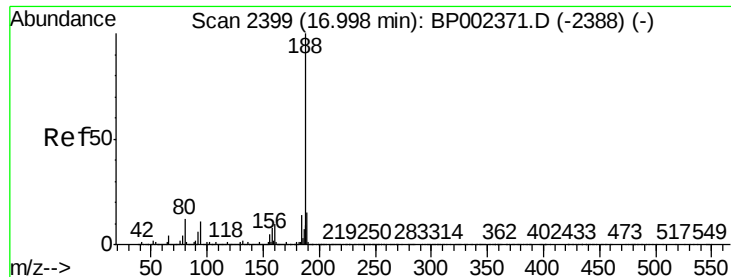


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

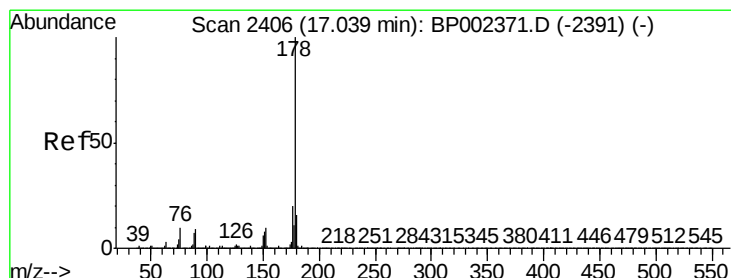
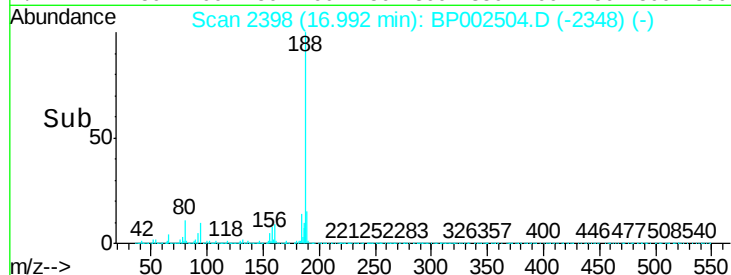
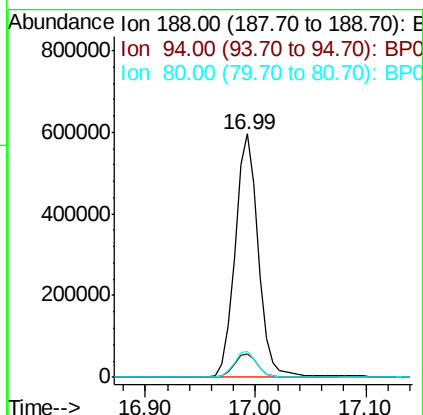
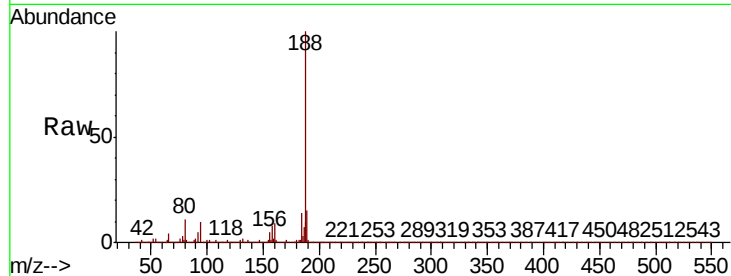




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BP002504.D
Acq: 23 Jun 2020 15:50

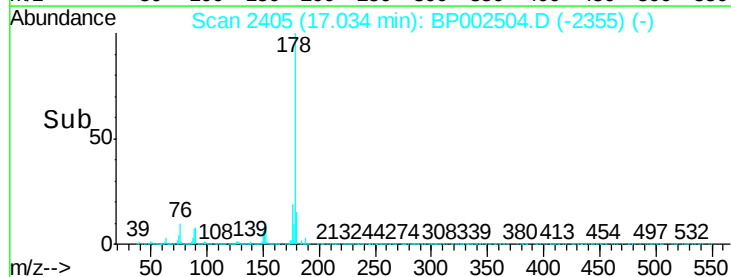
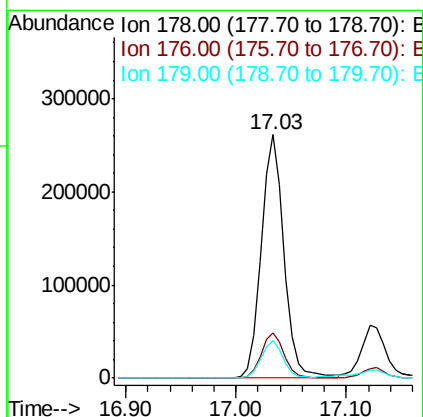
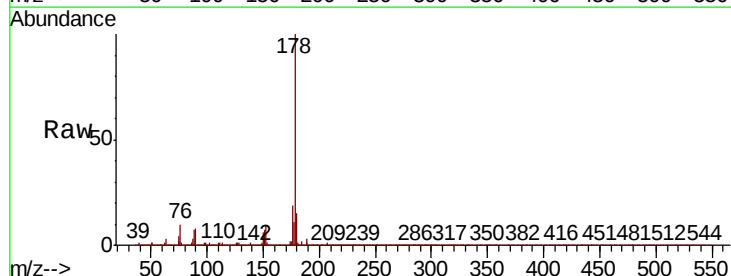
Instrument :
BNA_P
ClientSampleId :
SB-13

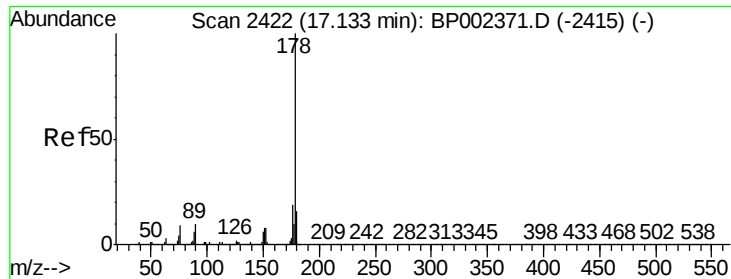
Tot Ion:188 Resp: 880701
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.6 9.4 14.0



#71
Phenanthrene
Concen: 9.124 ng
RT: 17.03 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BP002504.D
Acq: 23 Jun 2020 15:50

Tgt Ion:178 Resp: 375885
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.5 12.5 18.7





#72

Anthracene

Concen: 2.018 ng

RT: 17.12 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

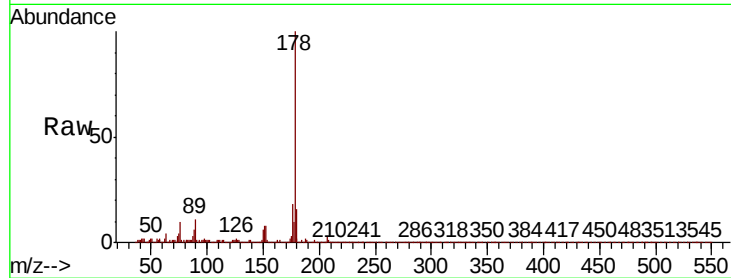
BNA_P

ClientSampleId :

SB-13

Tot Ion:178 Resp: 82591

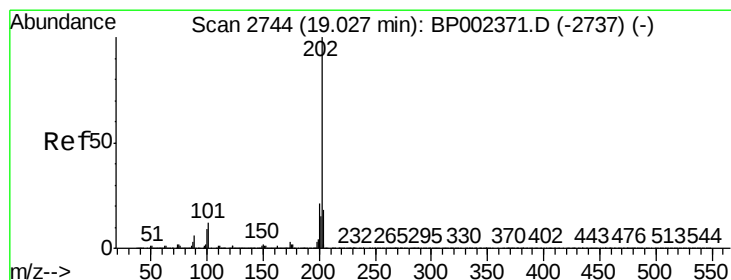
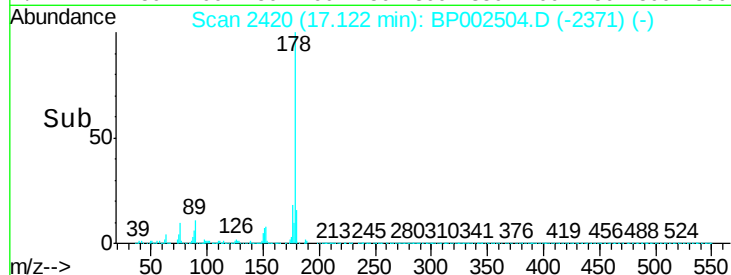
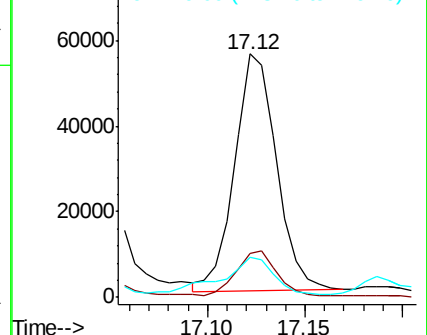
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	16.3	13.0	19.4



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: 16.341 ng

RT: 19.02 min Scan# 2742

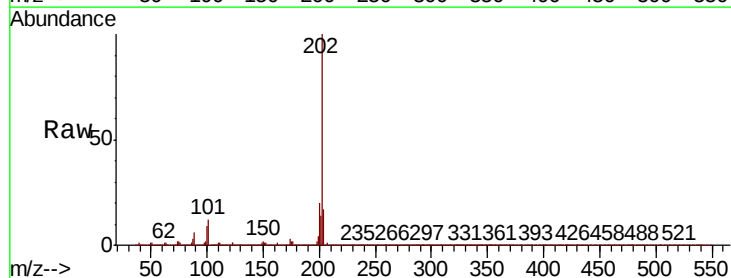
Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Tgt Ion:202 Resp: 803569

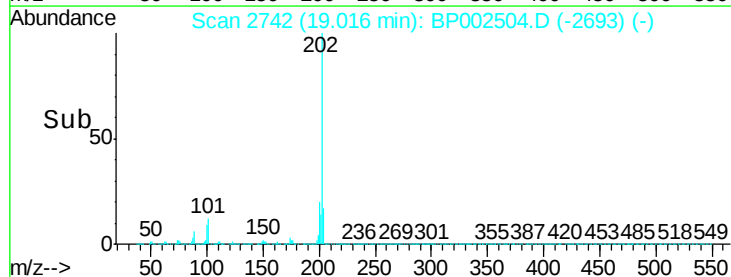
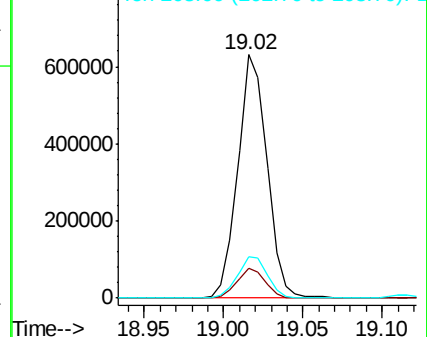
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.8
203	17.0	0.0	38.0

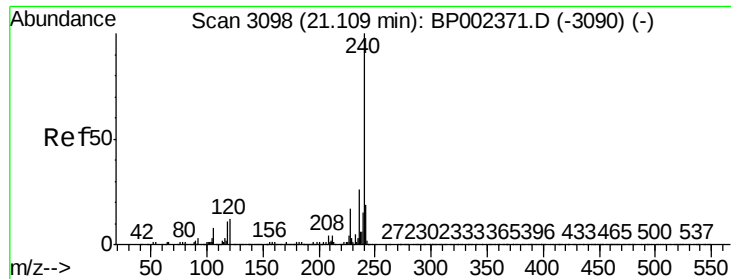


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

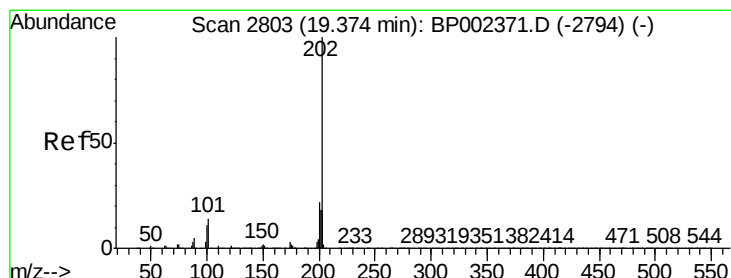
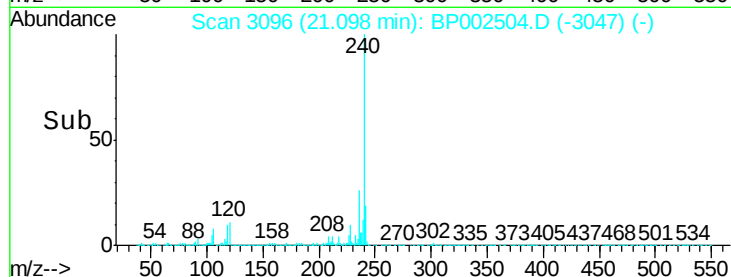
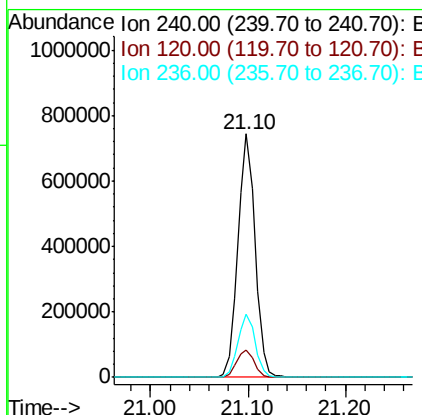
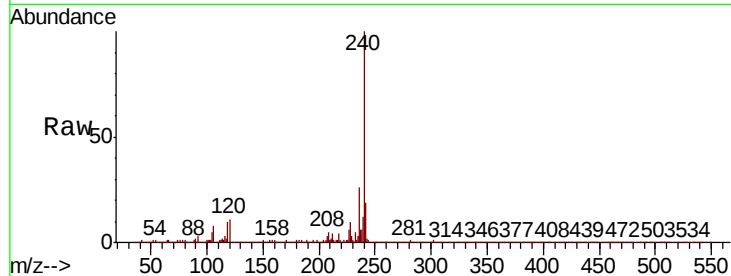




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.10 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BP002504.D
Acq: 23 Jun 2020 15:50

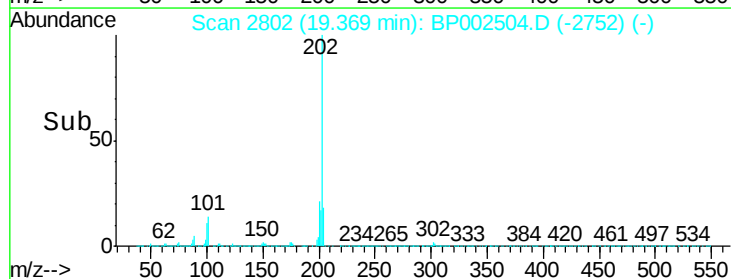
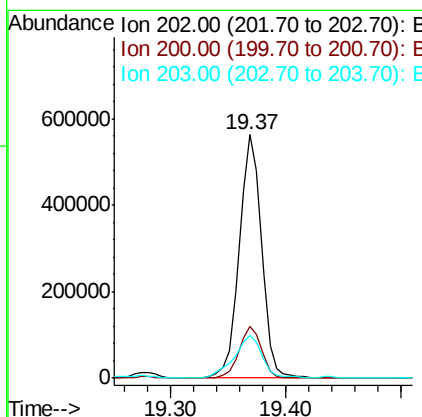
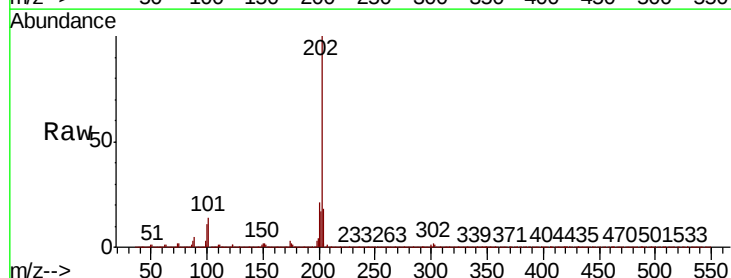
Instrument :
BNA_P
ClientSampled :
SB-13

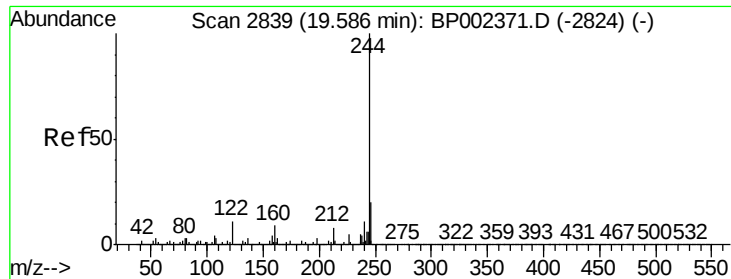
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.3	13.9
236	26.0	21.0	31.6



#78
Pyrene
Concen: 13.509 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BP002504.D
Acq: 23 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.6	14.6	22.0





#79

Terphenyl-d14

Concen: 83.603 ng

RT: 19.58 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

BNA_P

ClientSampleId :

SB-13

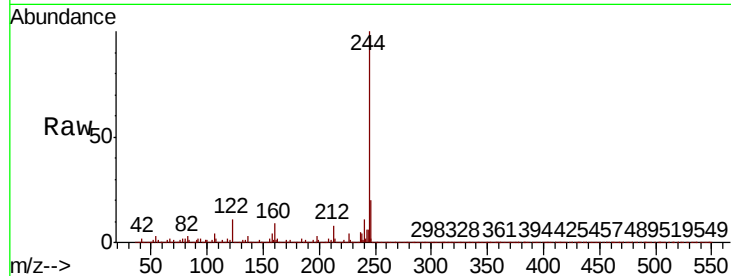
Tot Ion:244 Resp: 2974264

Ion Ratio Lower Upper

244 100

212 7.8 6.6 10.0

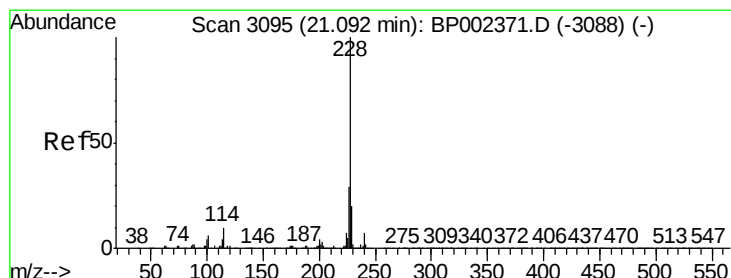
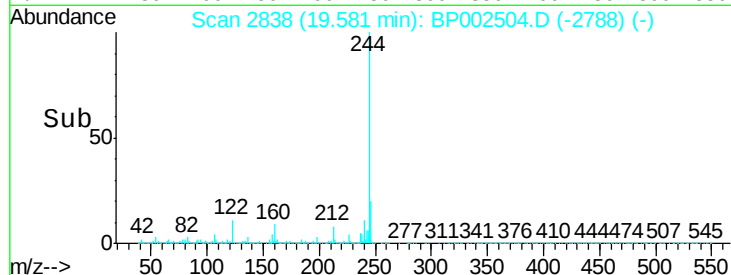
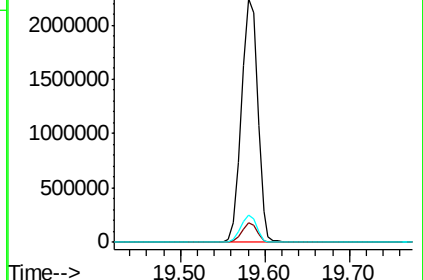
122 11.0 8.8 13.2



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: 8.547 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

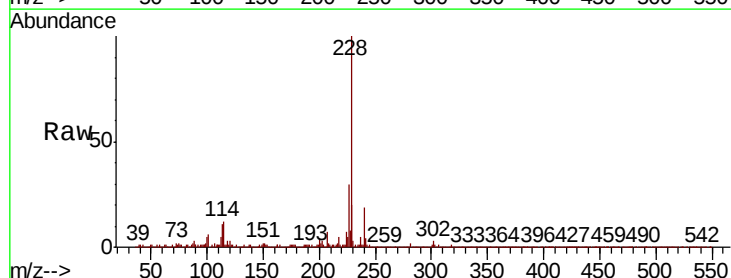
Tgt Ion:228 Resp: 443687

Ion Ratio Lower Upper

228 100

226 30.0 22.8 34.2

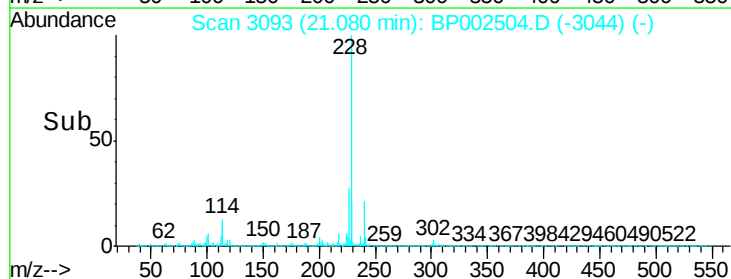
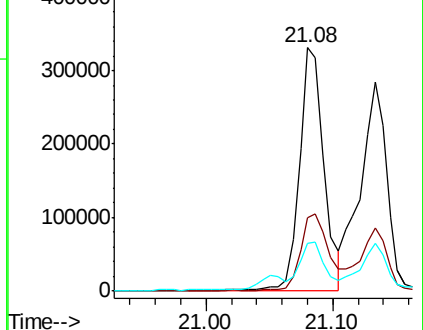
229 19.8 16.2 24.2

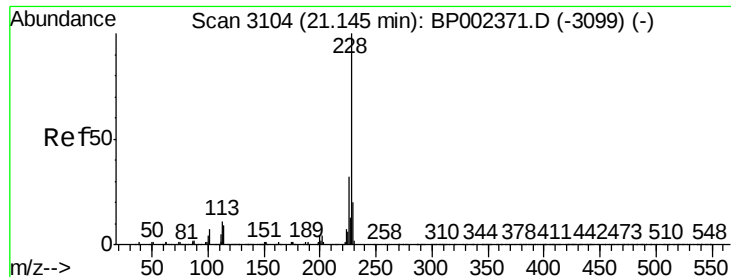


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.422 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

BNA_P

ClientSampled :

SB-13

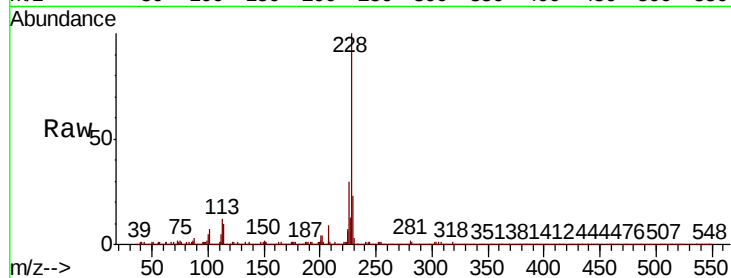
Tot Ion:228 Resp: 414241

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

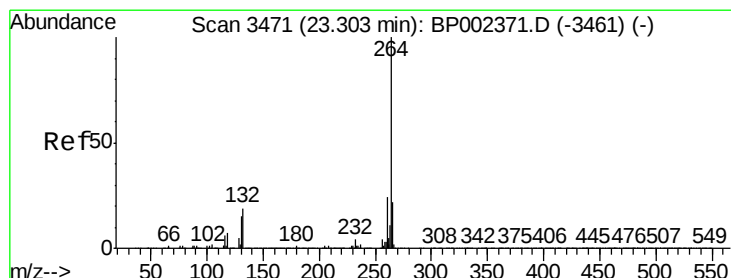
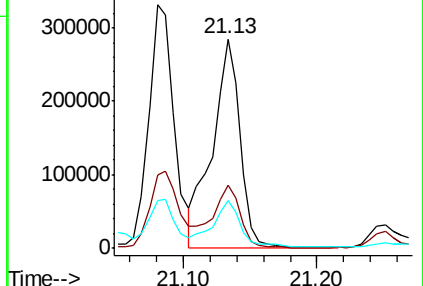
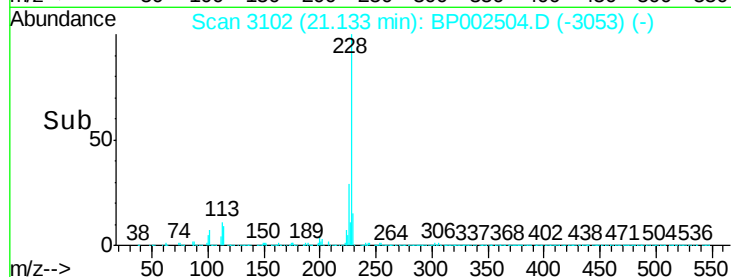
229 22.6 16.1 24.1



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

Perylene-d12

Concen: 20.000 ng

RT: 23.30 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

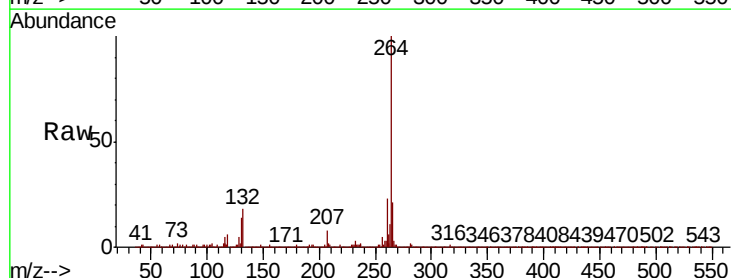
Tgt Ion:264 Resp: 960894

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

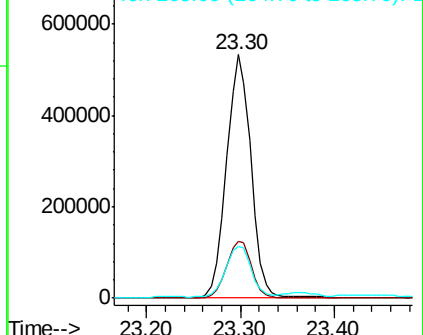
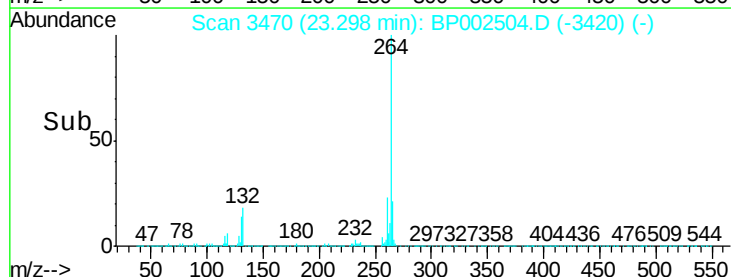
265 21.3 17.4 26.2

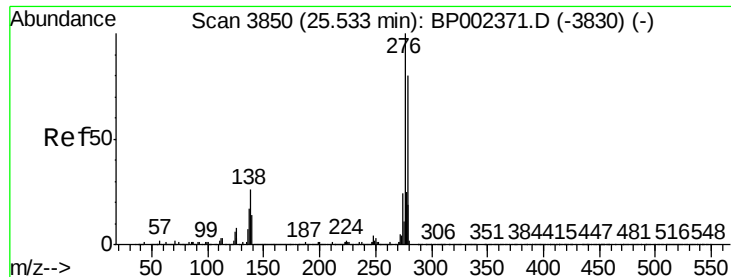


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.218 ng

RT: 25.51 min Scan# 3846

Delta R.T. -0.02 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

BNA_P

ClientSampleId :

SB-13

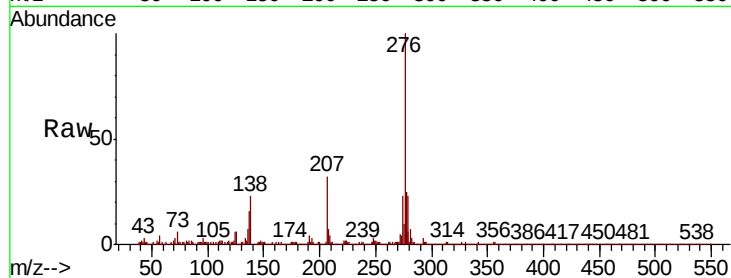
Tot Ion:276 Resp: 373687

Ion Ratio Lower Upper

276 100

138 23.5 21.2 31.8

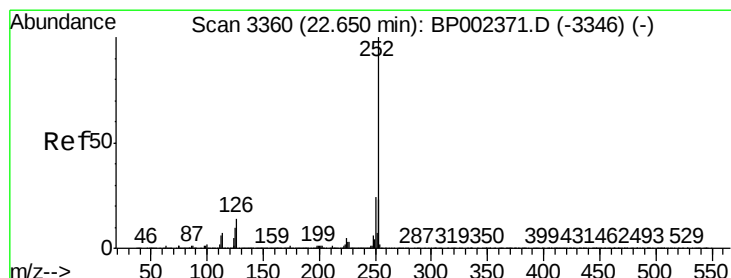
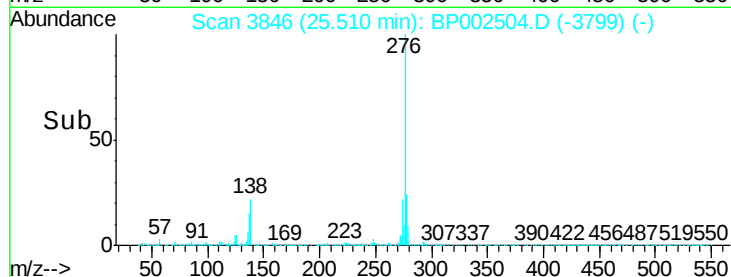
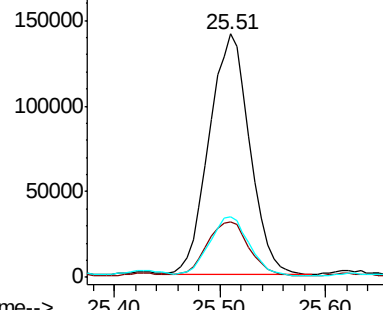
277 24.5 20.3 30.5



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



#88

Benzo(b)fluoranthene

Concen: 19.962 ng

RT: 22.65 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

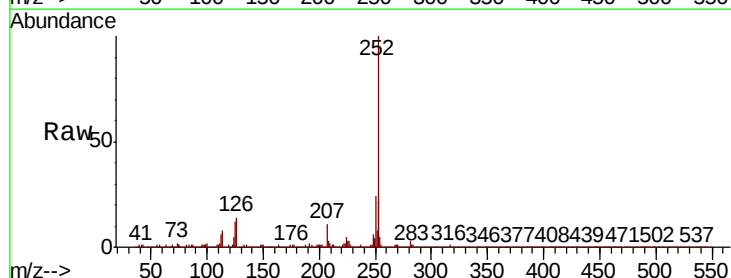
Tgt Ion:252 Resp: 1034411

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

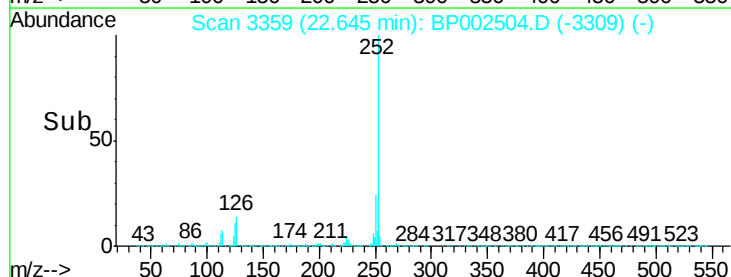
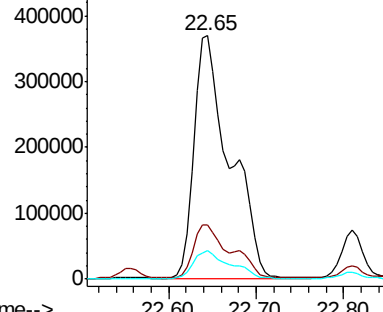
125 11.5 8.2 12.2

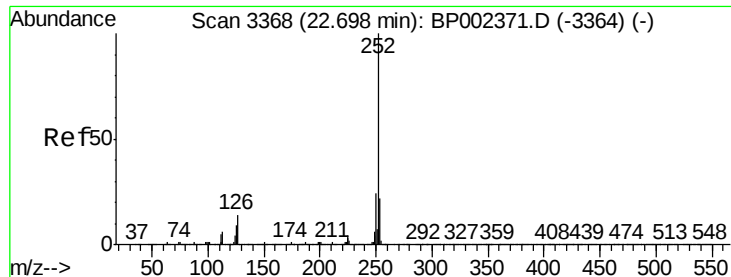


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 21.010 ng

RT: 22.65 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

Instrument :

BNA_P

ClientSampled :

SB-13

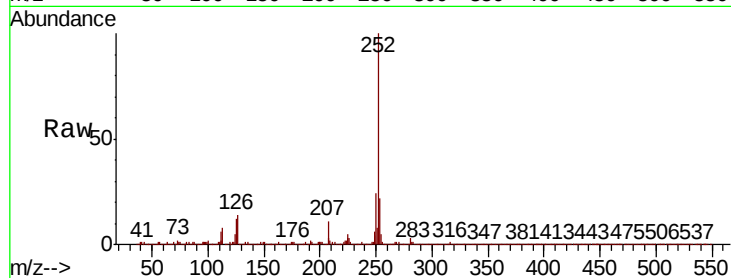
Tot Ion:252 Resp: 1034411

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

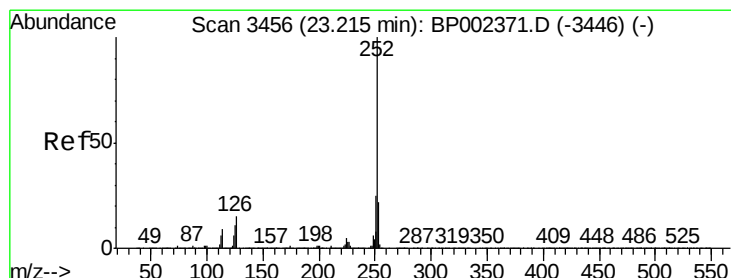
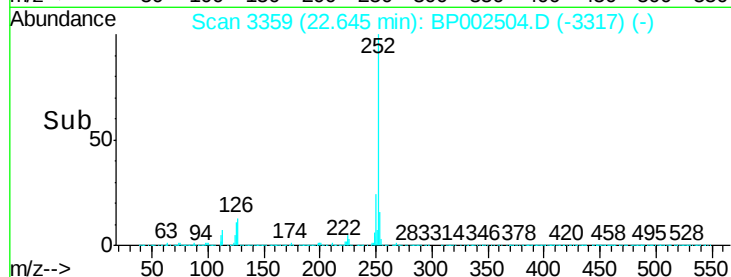
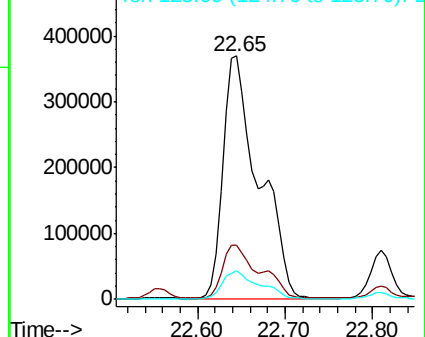
125 11.5 7.8 11.8



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: 11.224 ng

RT: 23.20 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BP002504.D

Acq: 23 Jun 2020 15:50

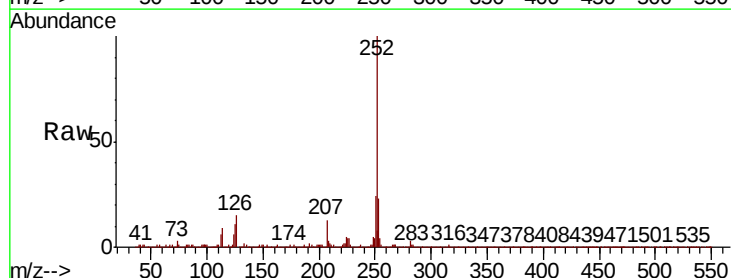
Tgt Ion:252 Resp: 545027

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

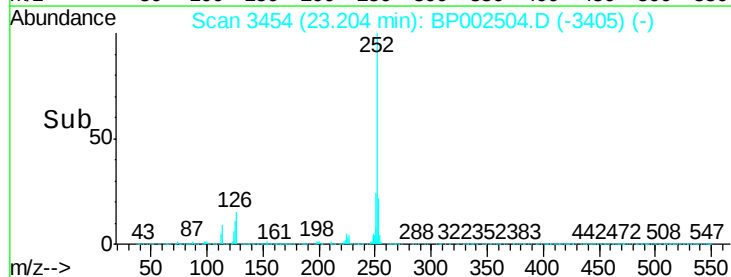
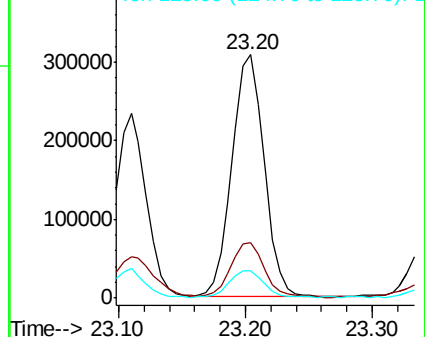
125 11.2 9.2 13.8

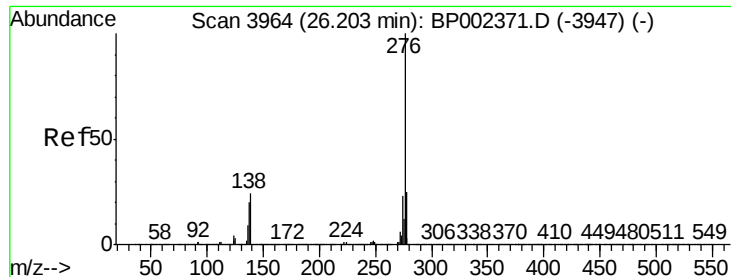


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

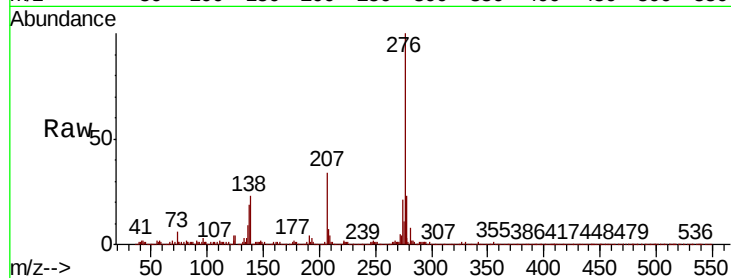




#92
 Benzo(a,h,i)perylene
 Concen: 7.947 ng
 RT: 26.18 min Scan# 3960
 Delta R.T. -0.02 min
 Lab File: BP002504.D
 Acq: 23 Jun 2020 15:50

Instrument :
 BNA_P
 ClientSampleId :
 SB-13

Tot Ion:	276	Resp:	396817
Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.8	29.6
138	23.1	19.2	28.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

