

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
 Data File : BP002470.D
 Acq On : 19 Jun 2020 21:42
 Operator : CG/JU
 Sample : L3056-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-B-LOT-11

Quant Time: Jun 20 02:26:09 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	211364	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	895794	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	564708	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1222404	20.00	ng	0.00
76) Chrysene-d12	21.10	240	767021	20.00	ng	-0.01
86) Perylene-d12	23.30	264	768924	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1267429	110.96	ng	0.00
7) Phenol-d6	6.78	99	1785403	117.40	ng	0.00
23) Nitrobenzene-d5	8.73	82	1240658	82.71	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	656826	121.48	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2532868	75.42	ng	0.00
79) Terphenyl-d14	19.58	244	3055081	110.81	ng	0.00

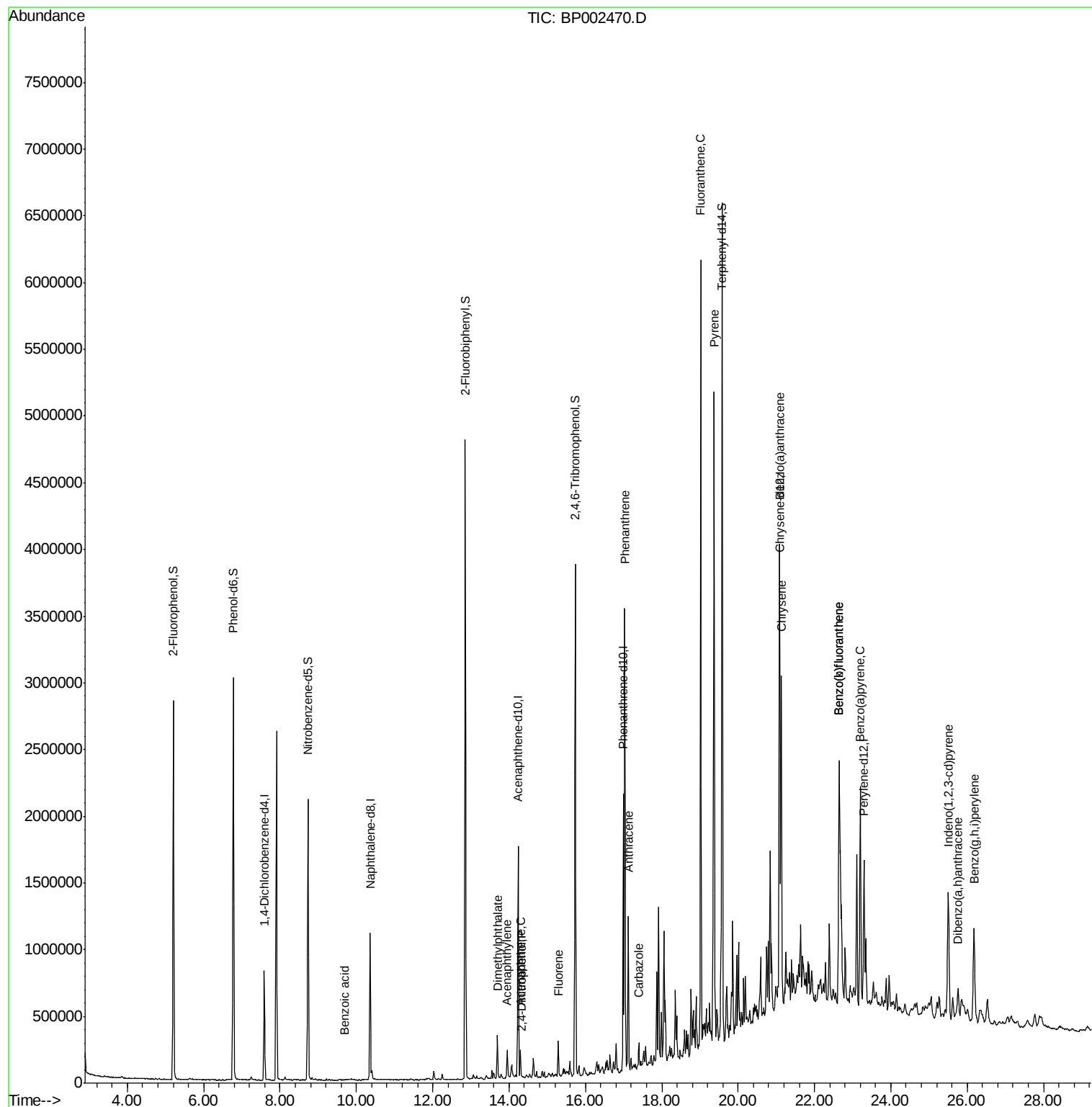
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	906	Below Cal		# 66
32) Benzoic acid	9.70	122	213	4.620	ng	# 58
49) Acenaphthylene	13.95	152	168301	3.483	ng	99
50) Dimethylphthalate	13.69	163	199768	5.163	ng	99
52) Acenaphthene	14.30	154	72114	2.548	ng	99
54) 2,4-Dinitrophenol	14.34	184	29	2.792	ng	# 1
58) Fluorene	15.29	166	112857	3.148	ng	98
61) 4-Chlorophenyl-phenylether	15.27	204	5	Below Cal		# 1
71) Phenanthrene	17.03	178	2099305	36.713	ng	99
72) Anthracene	17.12	178	674614	11.876	ng	98
73) Carbazole	17.39	167	126724	2.268	ng	99
75) Fluoranthene	19.02	202	3498882	51.262	ng	99
78) Pvrene	19.37	202	3122148	66.453	ng	99
81) Benzo(a)anthracene	21.08	228	1489649	34.025	ng	99
83) Chrysene	21.13	228	1347288	32.481	ng	97
87) Indeno(1,2,3-cd)pyrene	25.51	276	811440	16.872	ng	97
88) Benzo(b)fluoranthene	22.64	252	2138875	51.581	ng	98
89) Benzo(k)fluoranthene	22.64	252	2138875	54.288	ng	99
90) Benzo(a)pvrene	23.20	252	1187802	30.567	ng	98
91) Dibenzo(a,h)anthracene	25.76	278	179788	4.660	ng	91
92) Benzo(g,h,i)perylene	26.18	276	801392	20.057	ng	98

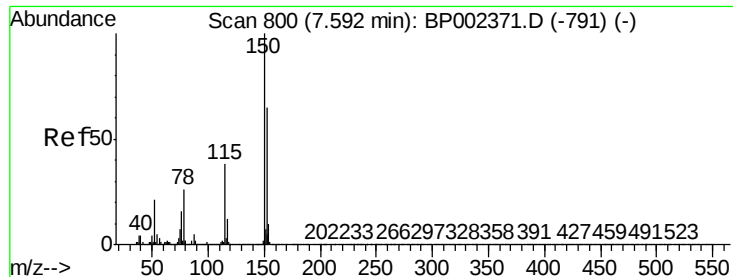
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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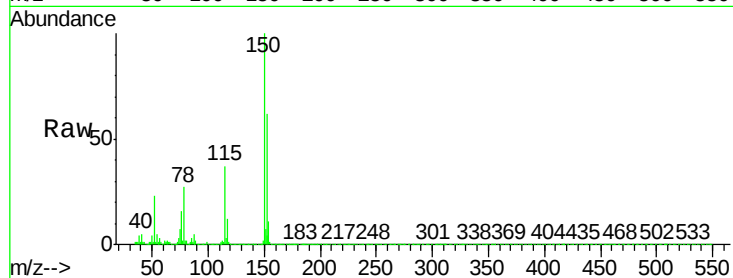


#1

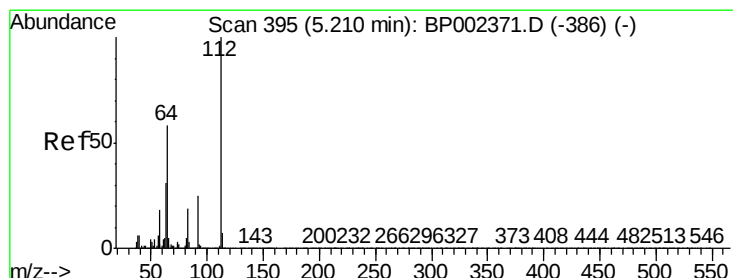
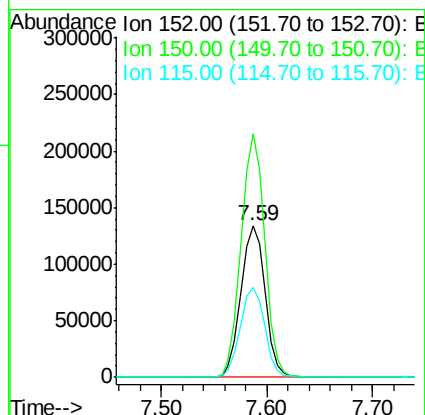
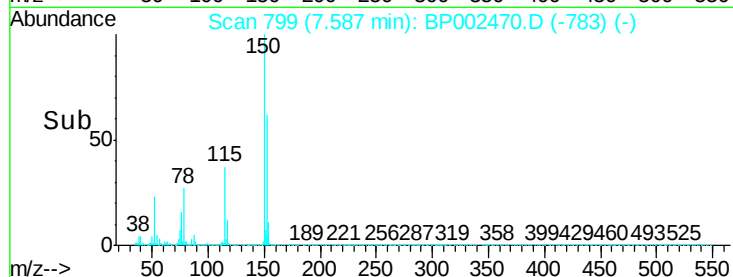
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.59 min Scan# 799
Delta R.T. -0.01 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

Instrument :
BNA_P
ClientSampleId :
SAMPLE-B-LOT-11

Tot Ion	152	Resp	211364
Ion Ratio	Lower	Upper	
152	100		
150	160.7	124.0	186.0
115	59.3	47.4	71.0



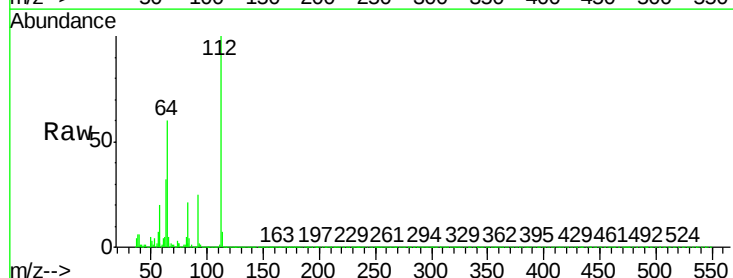
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



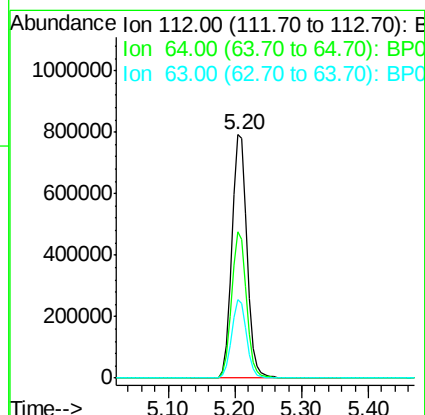
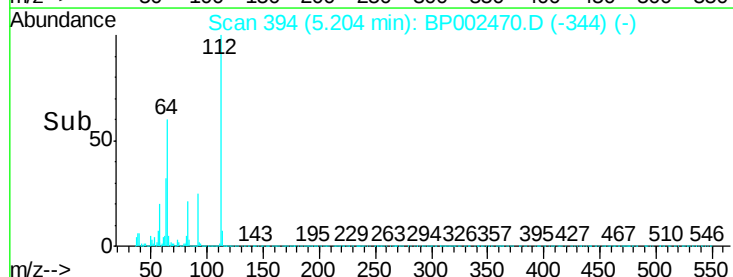
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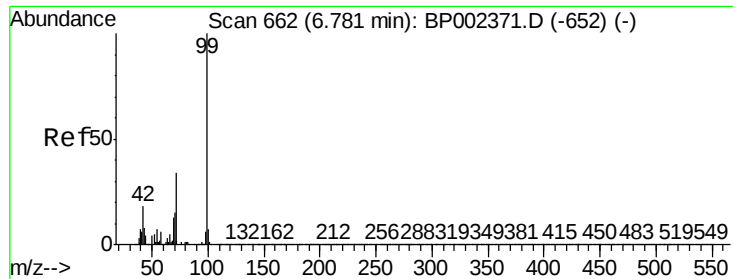
2-Fluorophenol
Concen: 110.959 ng
RT: 5.20 min Scan# 394
Delta R.T. -0.01 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

Tgt Ion	112	Resp	1267429
Ion Ratio	Lower	Upper	
112	100		
64	60.0	46.2	69.2
63	32.5	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: 117.400 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

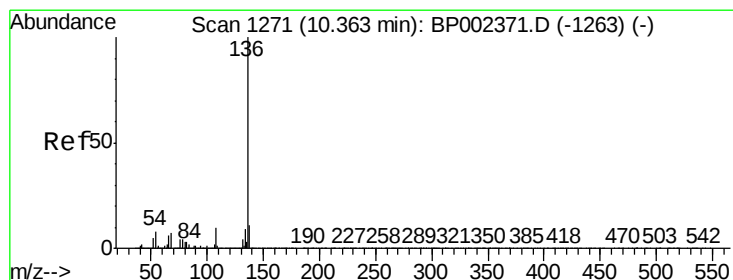
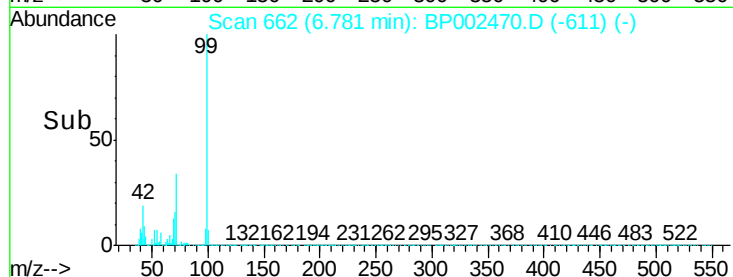
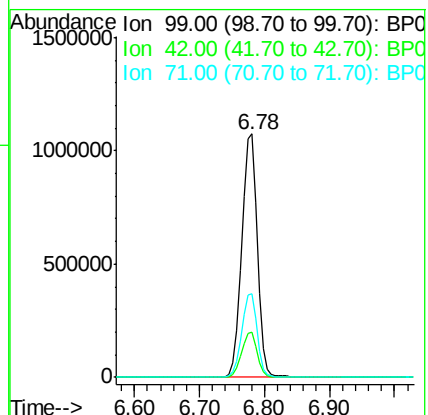
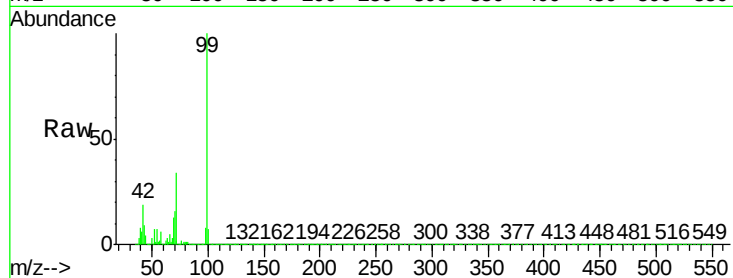
BNA_P

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Tot Ion: 99 Resp: 1785403

Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.6	22.0
71	34.2	27.2	40.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

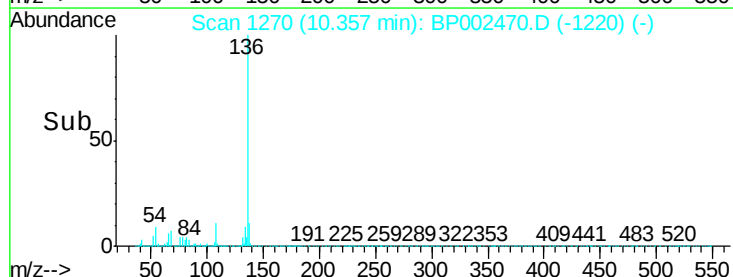
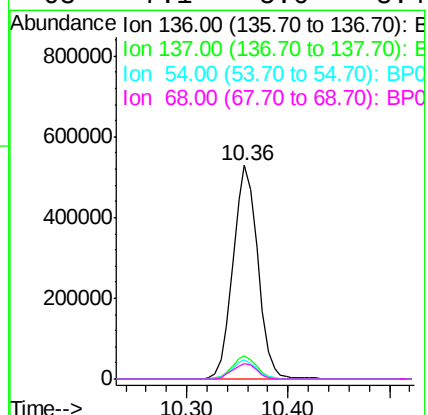
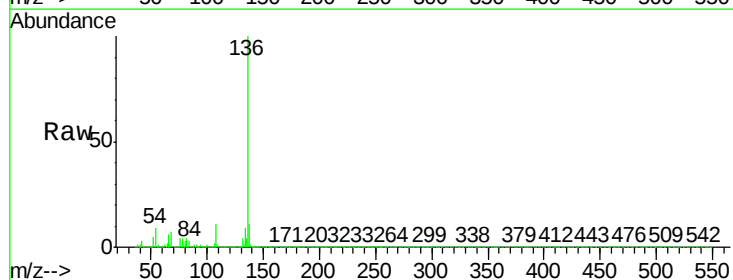
Delta R.T. -0.01 min

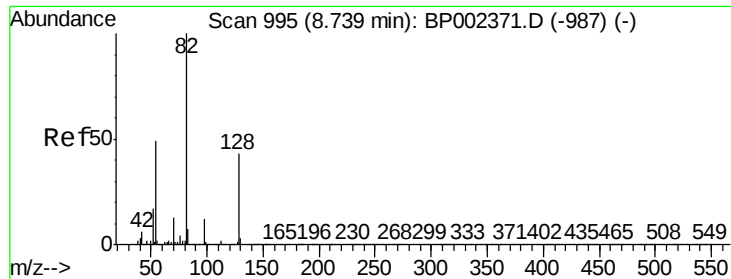
Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Tgt Ion: 136 Resp: 895794

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.8	6.4	9.6
68	7.1	5.6	8.4

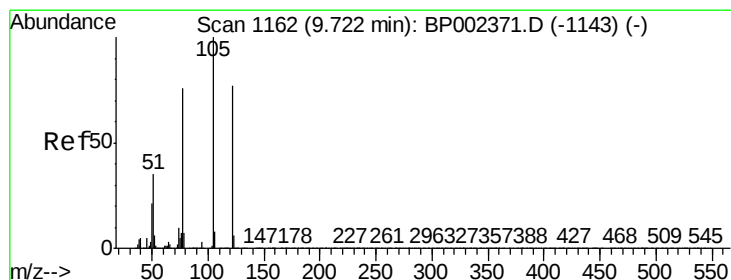
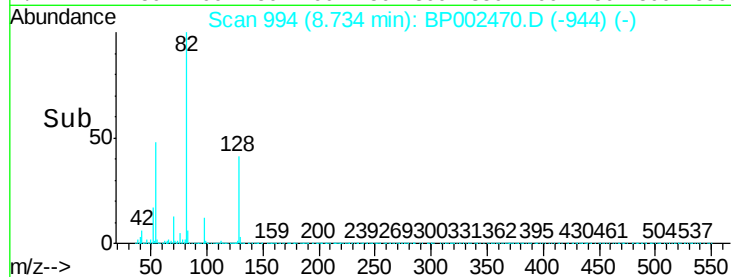
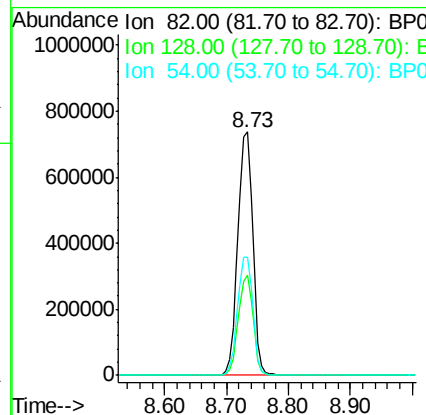
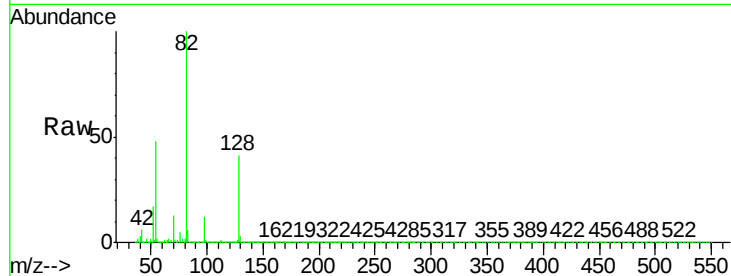




#23
 Nitrobenzene-d5
 Concen: 82.710 ng
 RT: 8.73 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BP002470.D
 Acq: 19 Jun 2020 21:42

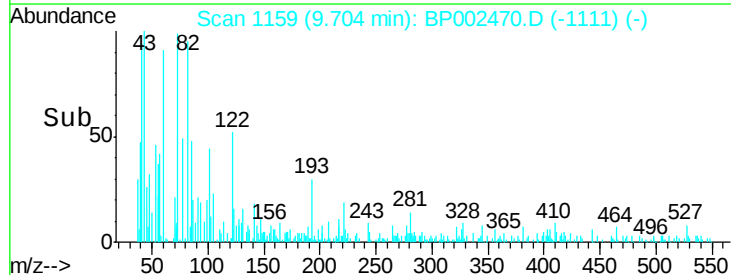
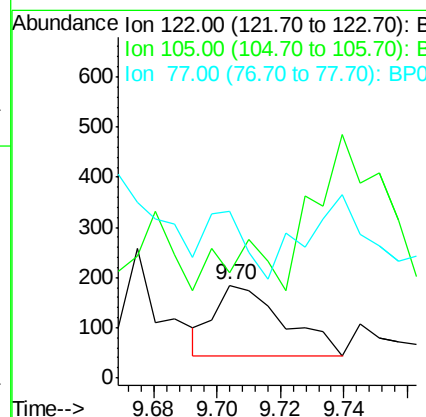
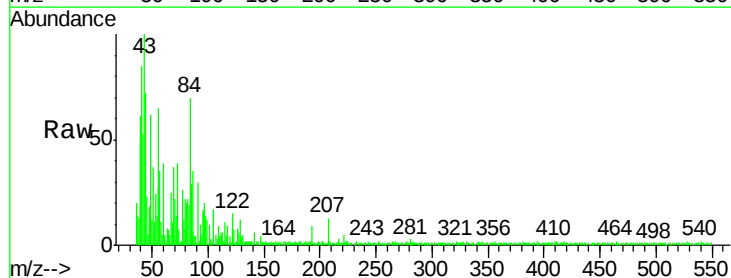
Instrument :
 BNA_P
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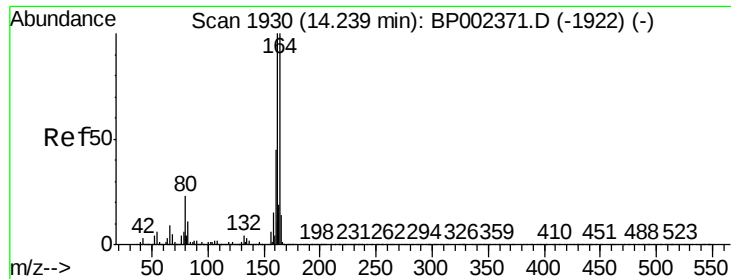
Tot Ion: 82 Resp: 1240658
 Ion Ratio Lower Upper
 82 100
 128 41.1 34.5 51.7
 54 48.5 39.4 59.2



#32
 Benzoic acid
 Concen: 4.620 ng
 RT: 9.70 min Scan# 1159
 Delta R.T. -0.02 min
 Lab File: BP002470.D
 Acq: 19 Jun 2020 21:42

Tgt Ion:122 Resp: 213
 Ion Ratio Lower Upper
 122 100
 105 113.5 106.3 146.3
 77 178.9 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: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

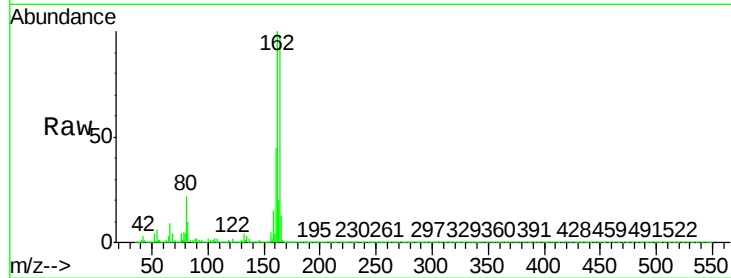
Tot Ion:164 Resp: 564708

Ion Ratio Lower Upper

164 100

162 102.5 79.8 119.8

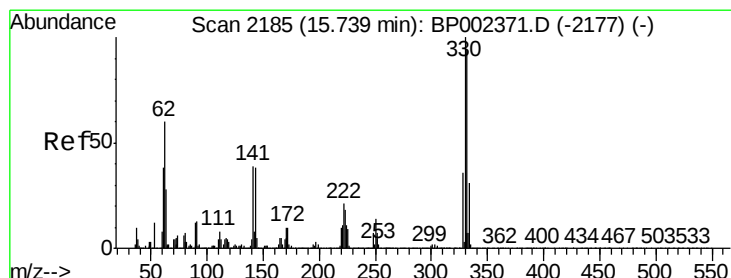
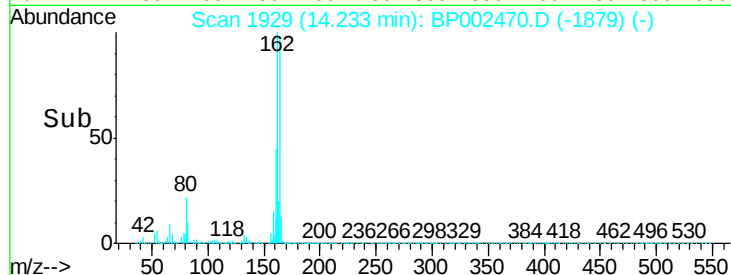
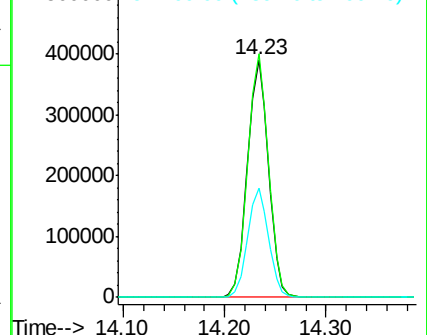
160 45.9 36.2 54.2



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: 121.484 ng

RT: 15.73 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

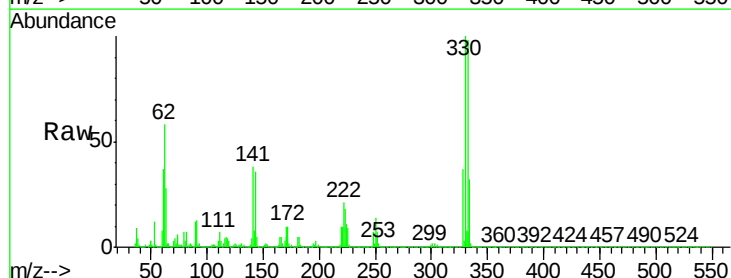
Tgt Ion:330 Resp: 656826

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

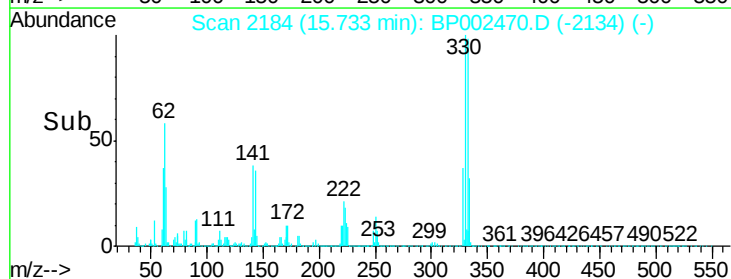
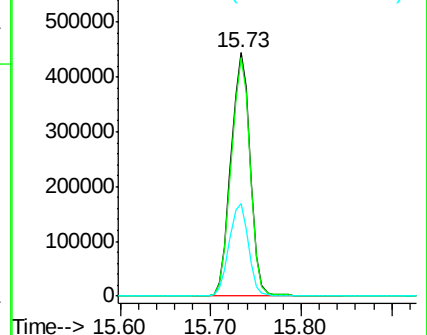
141 37.6 30.3 45.5

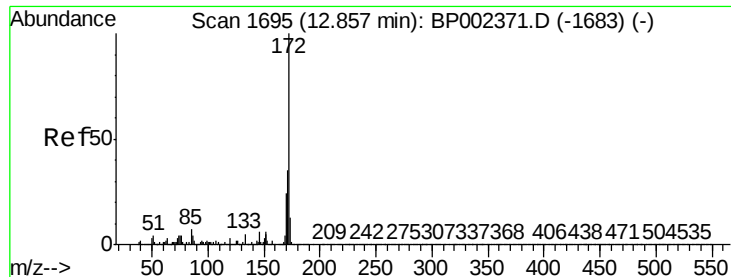


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

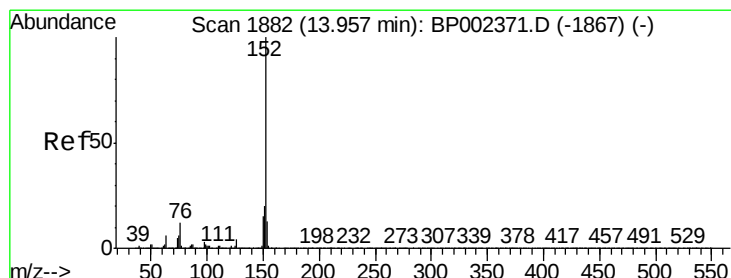
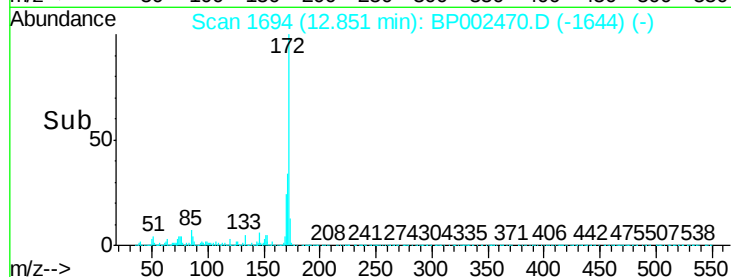
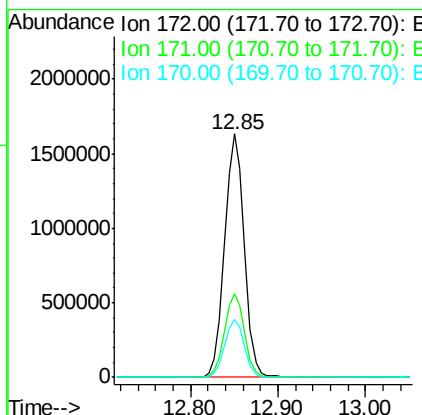
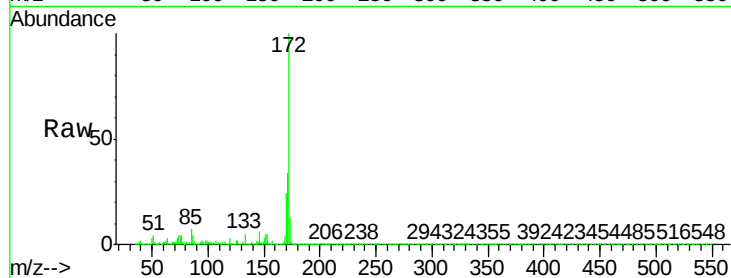




#45
2-Fluorobiphenyl
Concen: 75.416 ng
RT: 12.85 min Scan# 1694
Delta R.T. -0.01 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

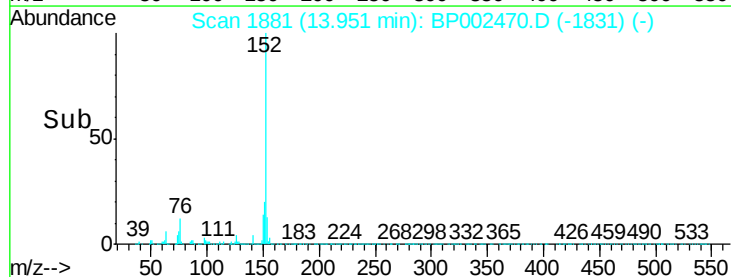
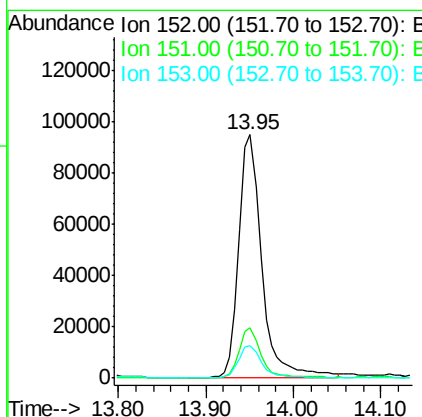
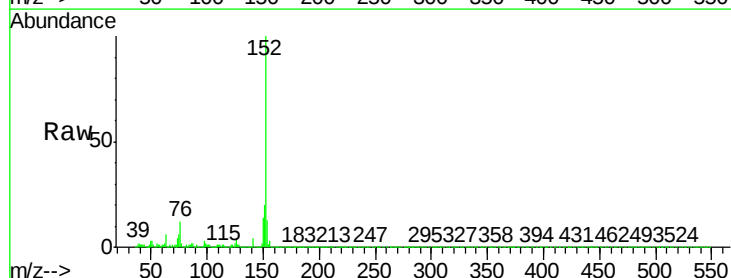
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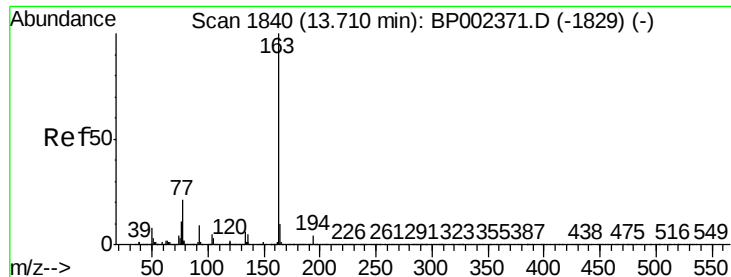
Tot Ion:172 Resp: 2532868
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.8
170 23.6 19.0 28.6



#49
Acenaphthylene
Concen: 3.483 ng
RT: 13.95 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

Tgt Ion:152 Resp: 168301
Ion Ratio Lower Upper
152 100
151 20.5 15.7 23.5
153 13.5 10.5 15.7

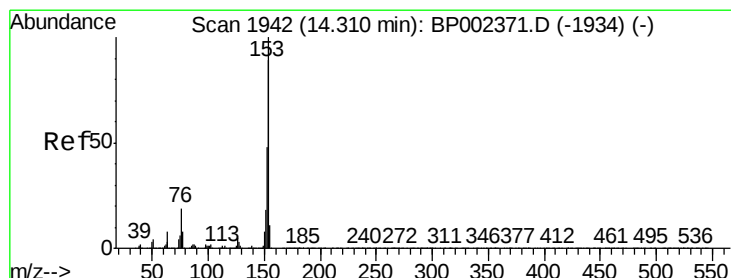
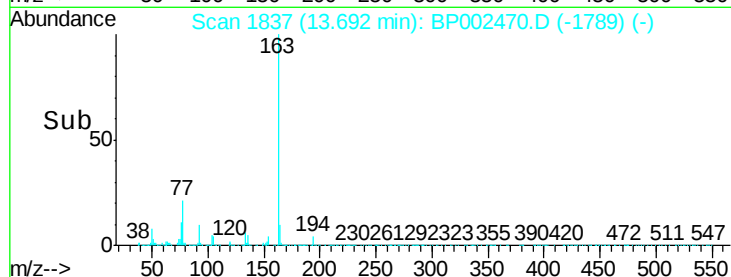
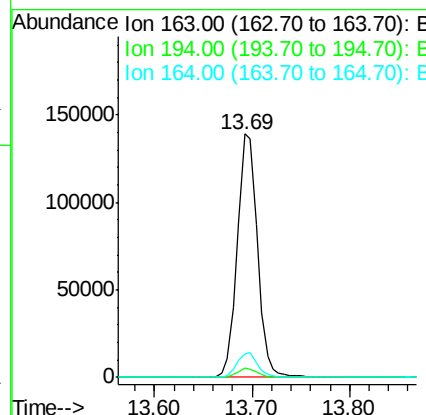
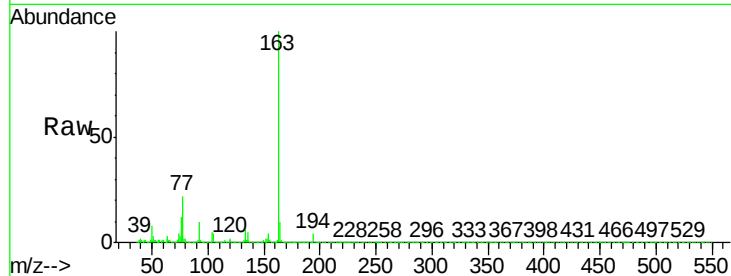




#50
Dimethylphthalate
Concen: 5.163 ng
RT: 13.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

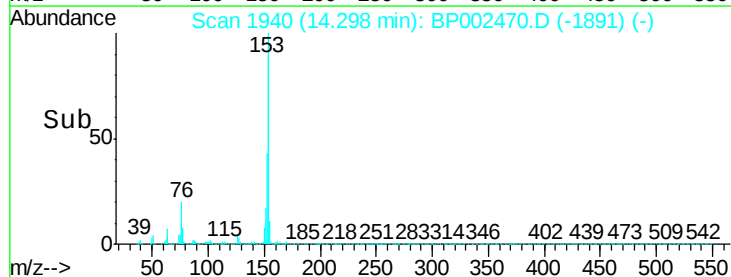
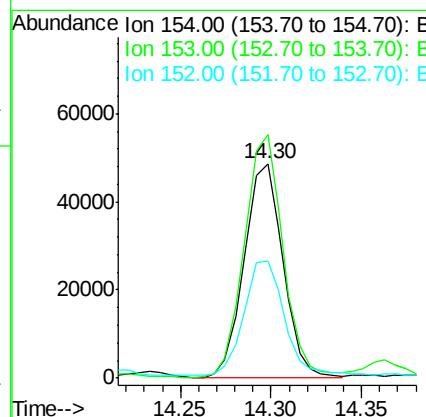
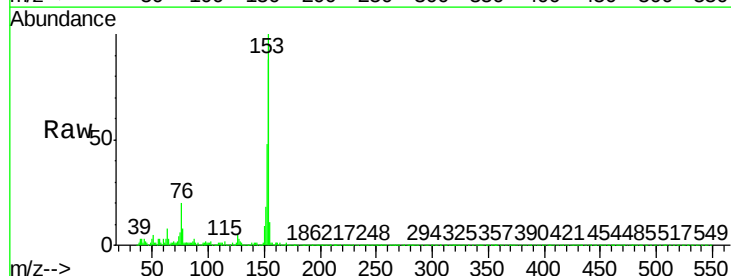
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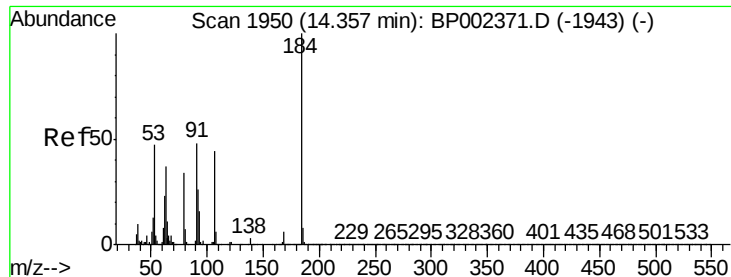
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	9.6	8.1	12.1



#52
Acenaphthene
Concen: 2.548 ng
RT: 14.30 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.5	134.3
152	54.7	43.3	64.9

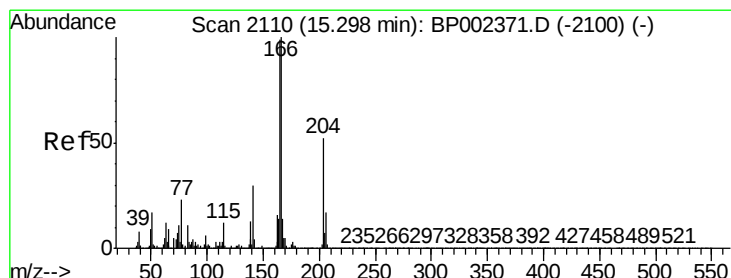
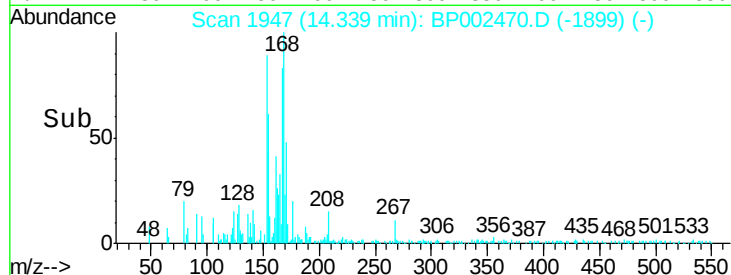
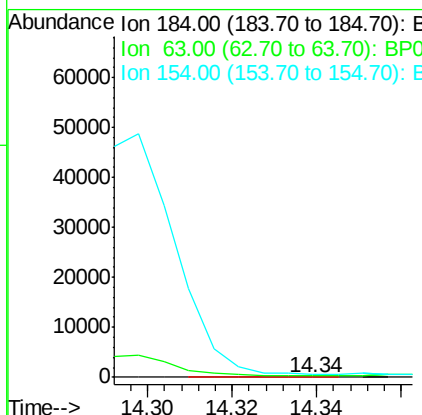
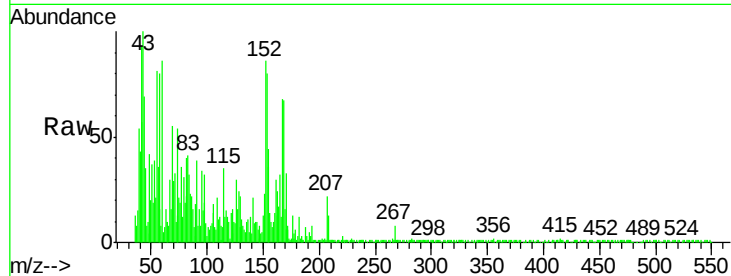




#54
2,4-Dinitrophenol
Concen: 2.792 ng
RT: 14.34 min Scan# 1947
Delta R.T. -0.02 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

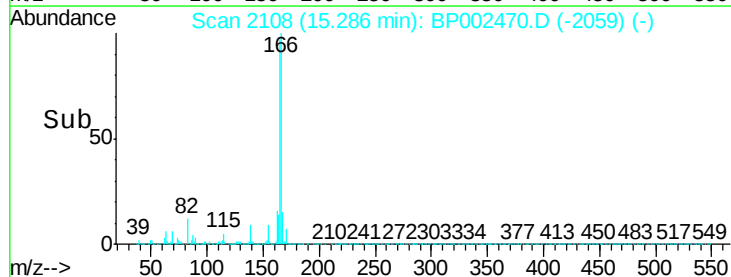
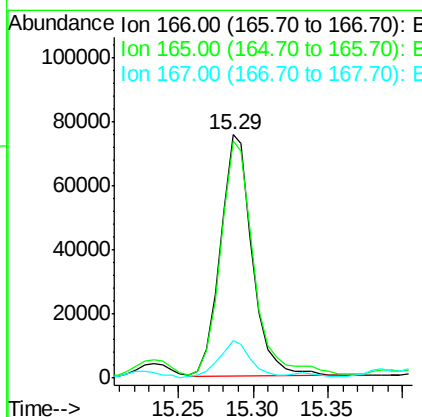
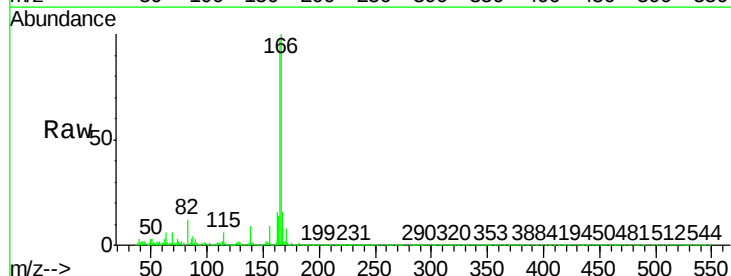
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ClientSampleId :
SAMPLE-B-LOT-11

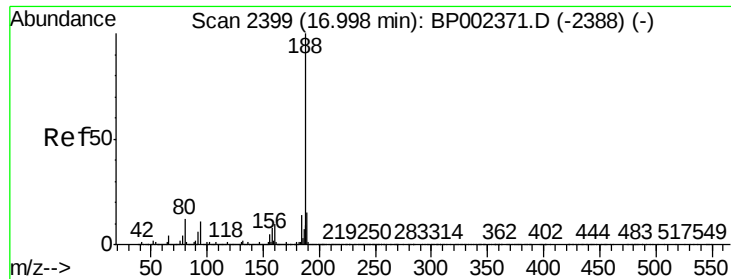
Tot Ion:184 Resp: 29
Ion Ratio Lower Upper
184 100
63 429.8 52.3 78.5#
154 931.6 48.6 72.8#



#58
Fluorene
Concen: 3.148 ng
RT: 15.29 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

Tgt Ion:166 Resp: 112857
Ion Ratio Lower Upper
166 100
165 97.5 79.1 118.7
167 15.6 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

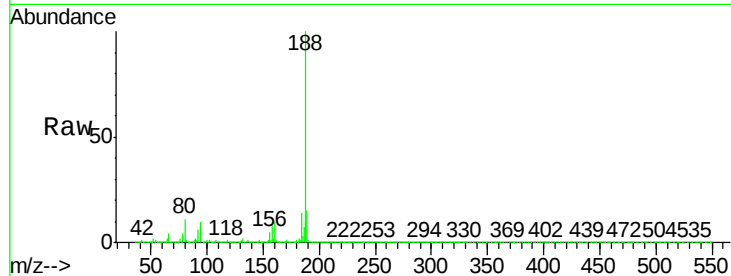
Tot Ion:188 Resp: 1222404

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

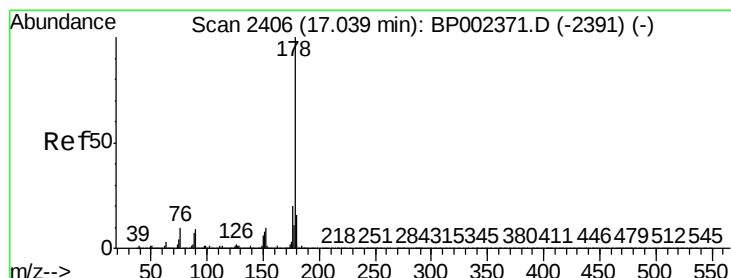
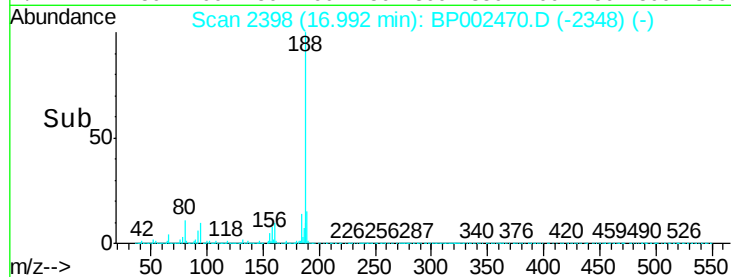
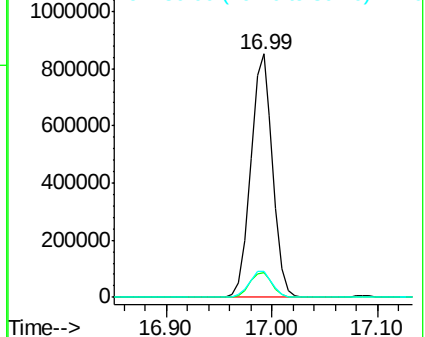
80 10.8 9.4 14.0



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: 36.713 ng

RT: 17.03 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

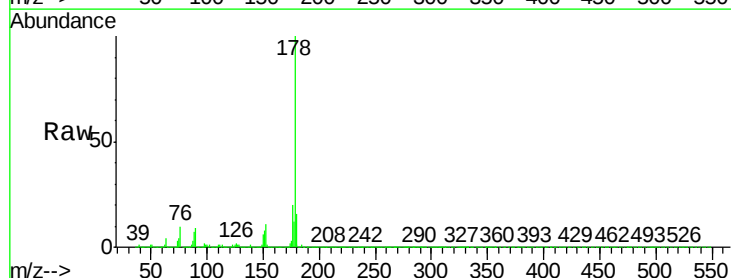
Tgt Ion:178 Resp: 2099305

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

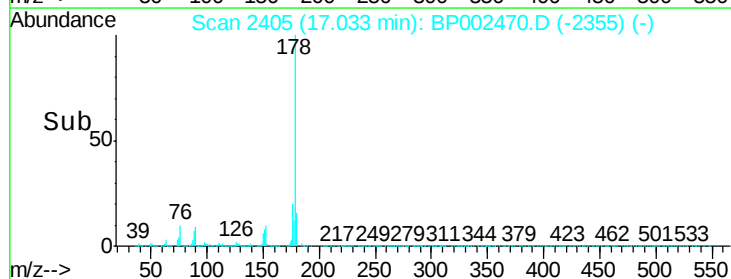
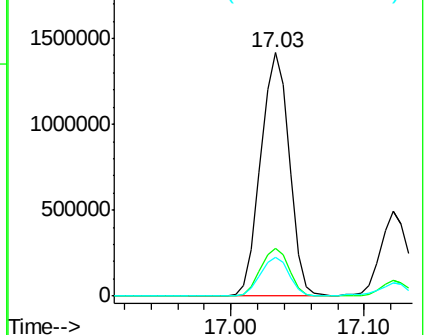
179 16.1 12.5 18.7

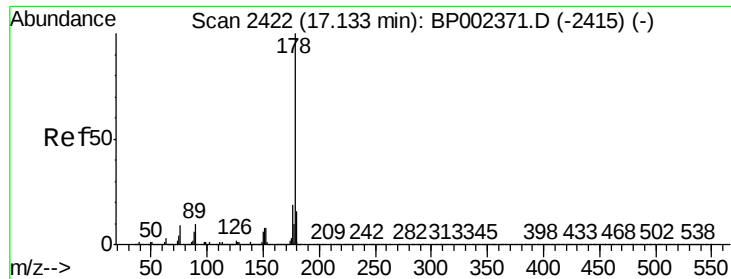


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 11.876 ng

RT: 17.12 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

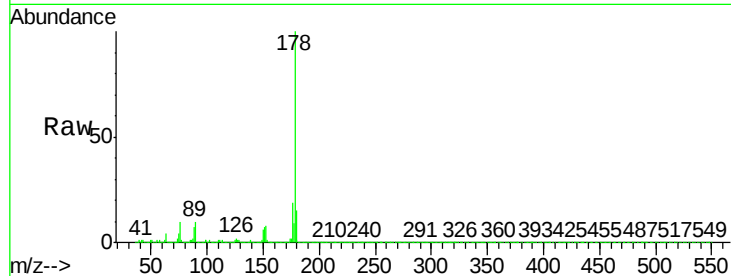
Tot Ion:178 Resp: 674614

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

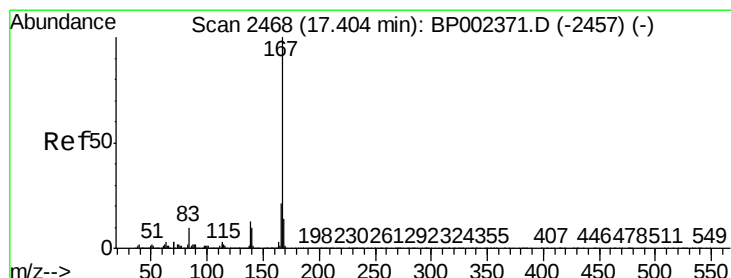
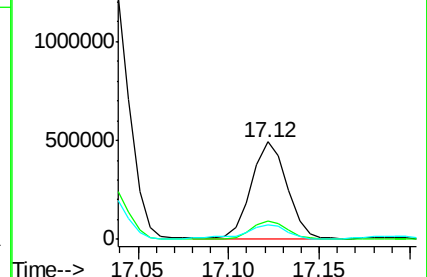
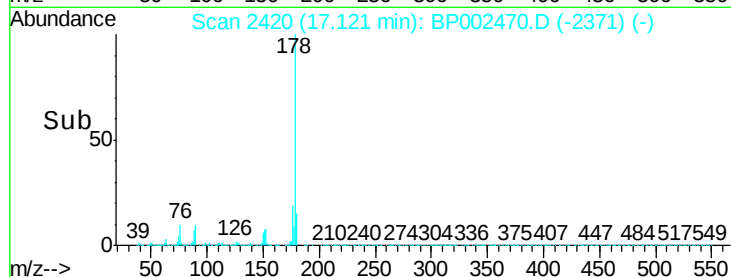
179 15.2 13.0 19.4



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



#73

Carbazole

Concen: 2.268 ng

RT: 17.39 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

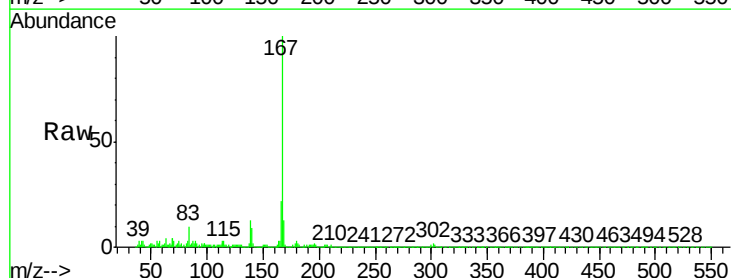
Tgt Ion:167 Resp: 126724

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

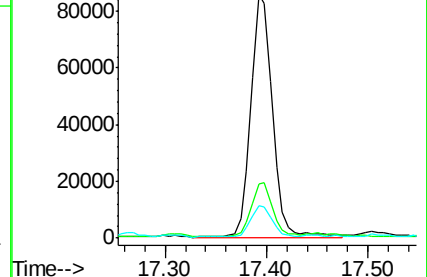
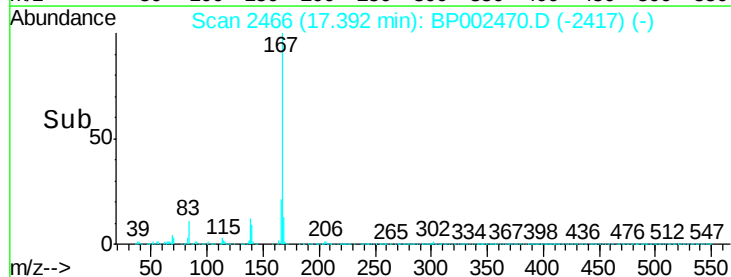
139 13.2 10.3 15.5

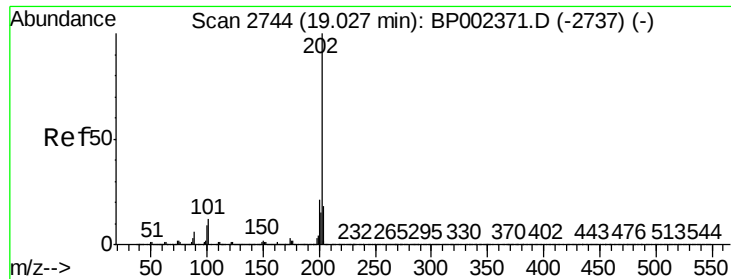


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 51.262 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

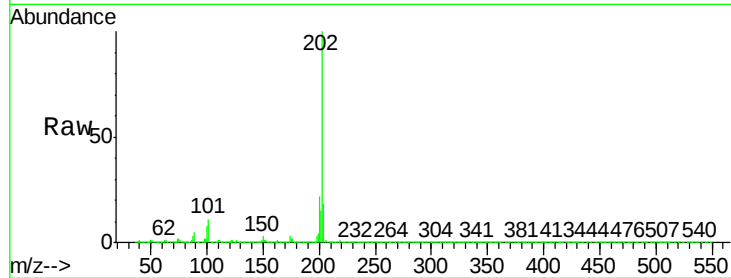
BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

Tot Ion:202 Resp: 3498882

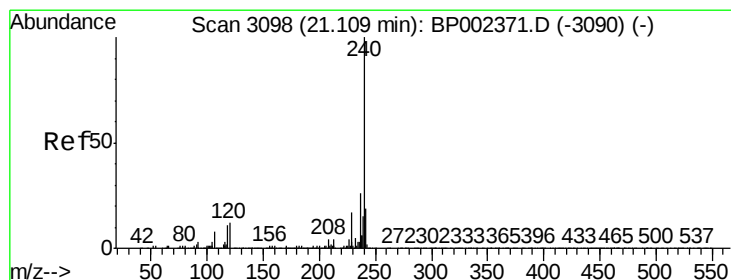
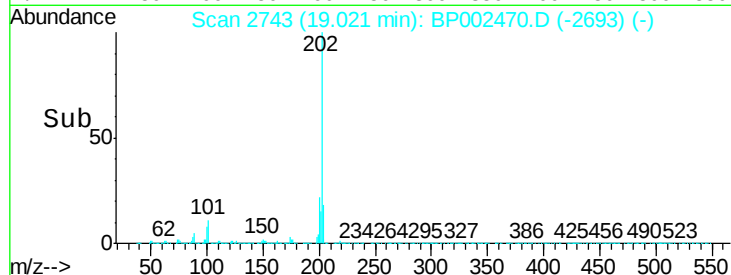
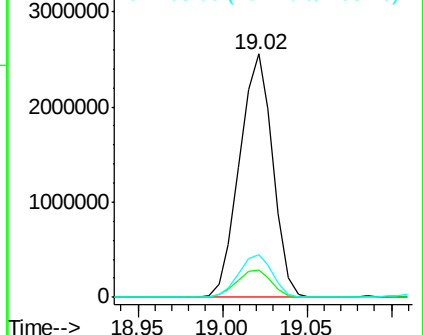
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.8
203	17.7	0.0	38.0



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

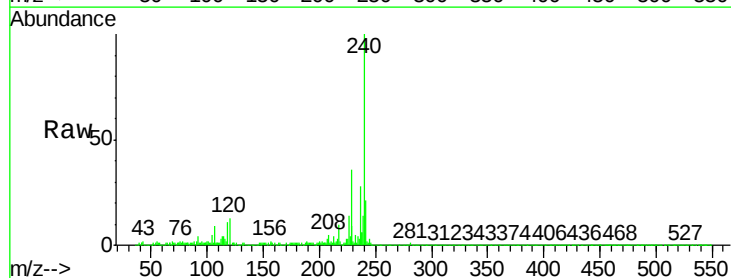
Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Tgt Ion:240 Resp: 767021

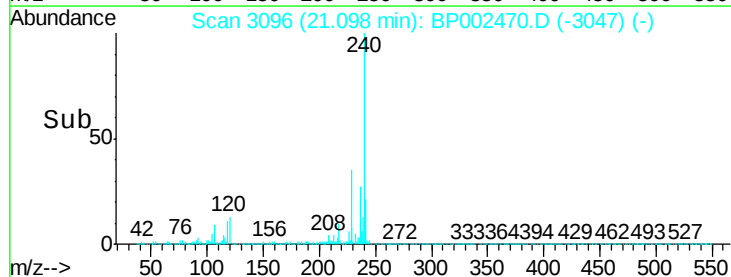
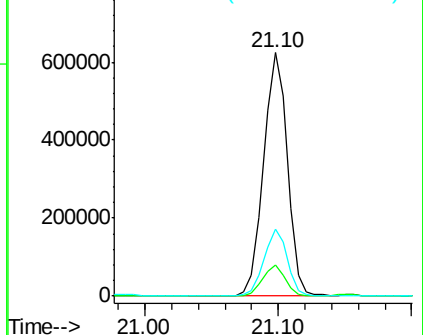
Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.3	13.9
236	27.7	21.0	31.6

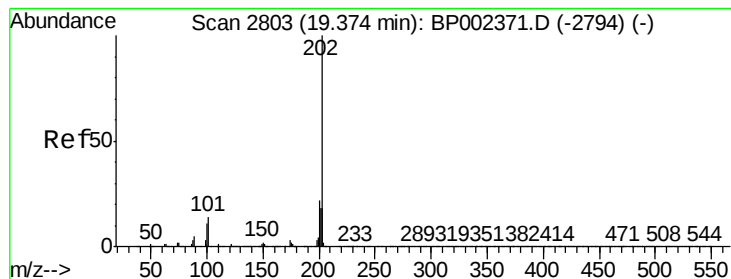


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 66.453 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

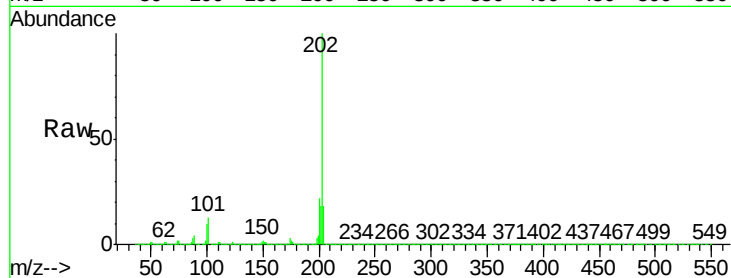
Tot Ion:202 Resp: 3122148

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.7	26.5
203	17.9	14.6	22.0

202 100

200 22.3 17.7 26.5

203 17.9 14.6 22.0

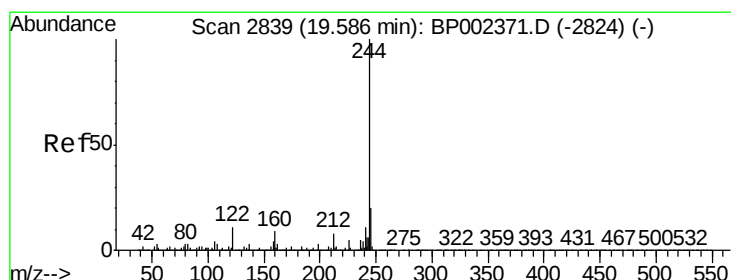
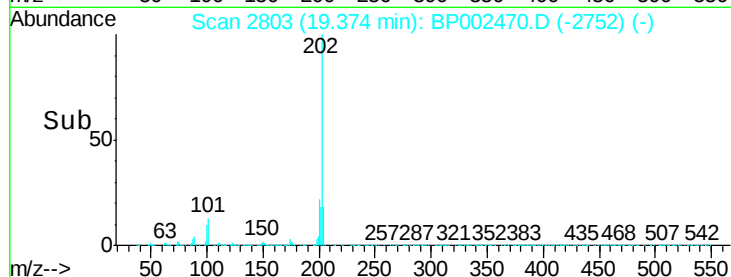
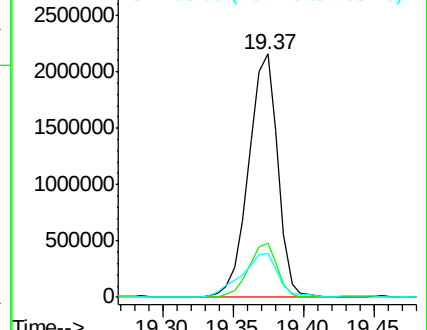


Abundance

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: 110.807 ng

RT: 19.58 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

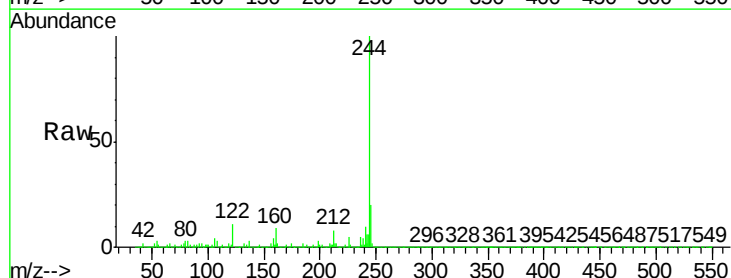
Tgt Ion:244 Resp: 3055081

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.6	10.0
122	10.7	8.8	13.2

244 100

212 8.4 6.6 10.0

122 10.7 8.8 13.2

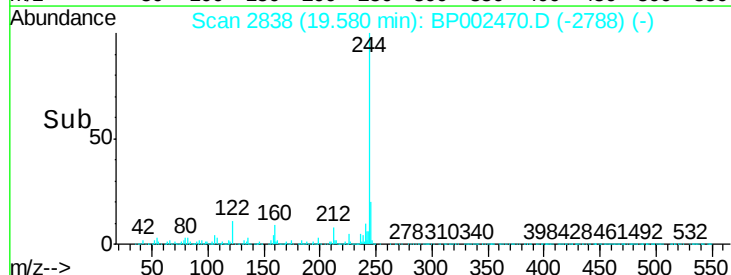
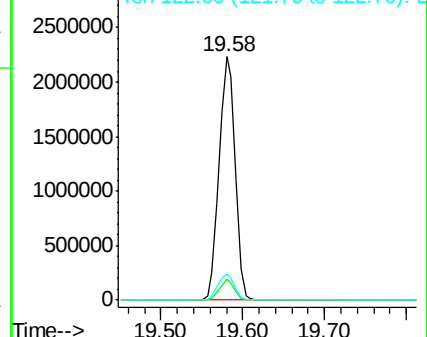


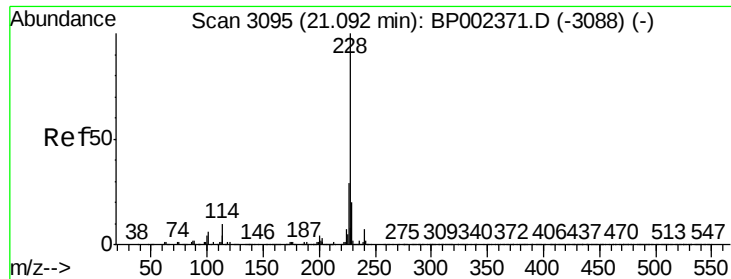
Abundance

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: 34.025 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

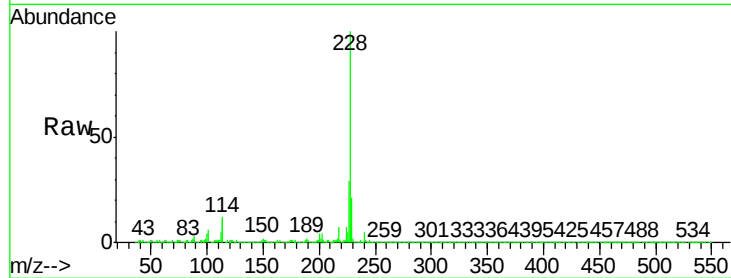
BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

Tot Ion:228 Resp: 1489649

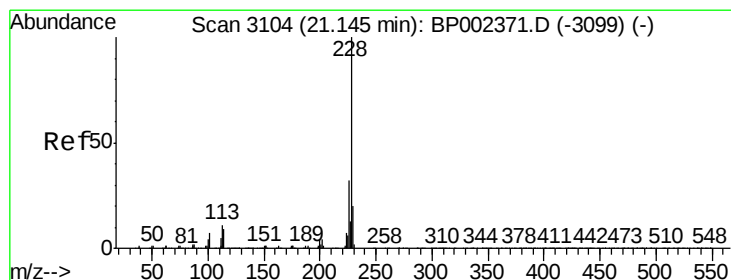
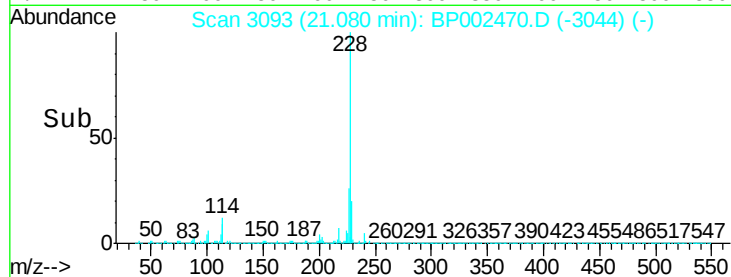
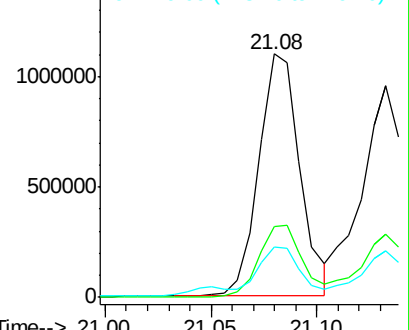
Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.8	34.2
229	20.5	16.2	24.2



Abundance Ion 228.00 (227.70 to 228.70): E

1500000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 32.481 ng

RT: 21.13 min Scan# 3102

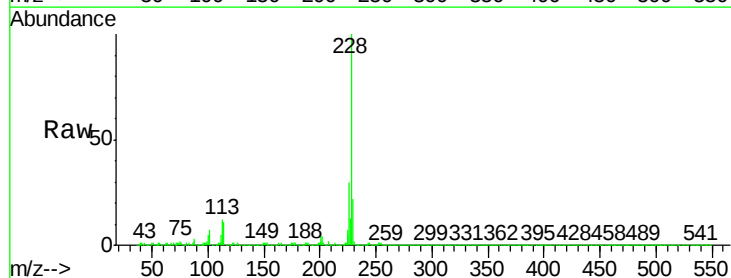
Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Tgt Ion:228 Resp: 1347288

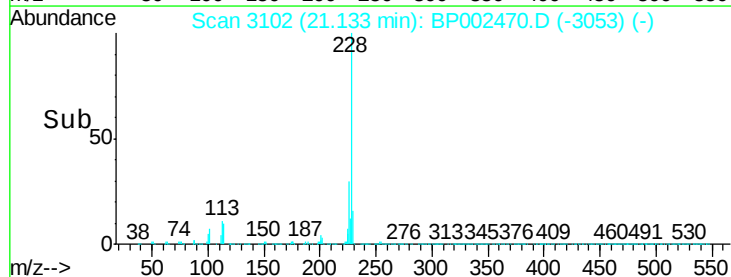
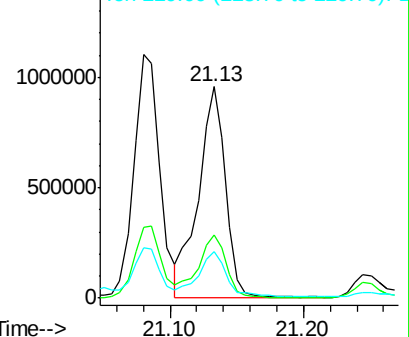
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.2	37.8
229	21.9	16.1	24.1

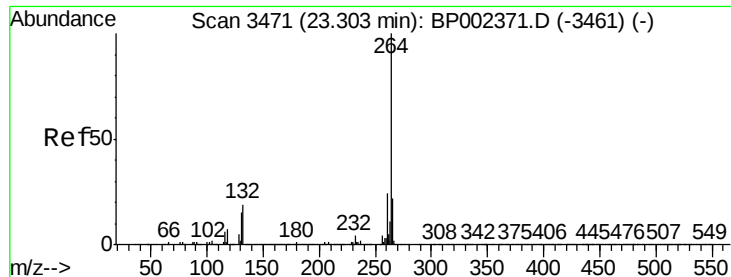


Abundance Ion 228.00 (227.70 to 228.70): E

1500000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

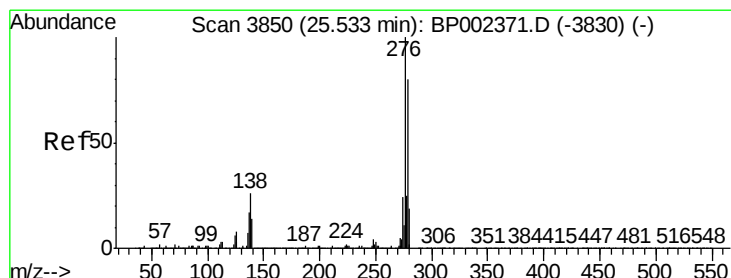
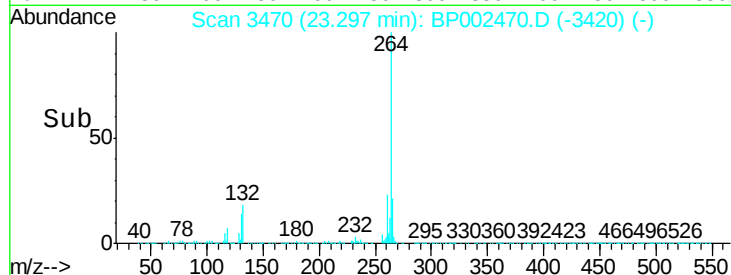
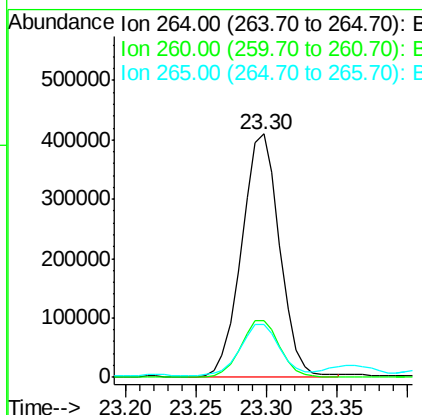
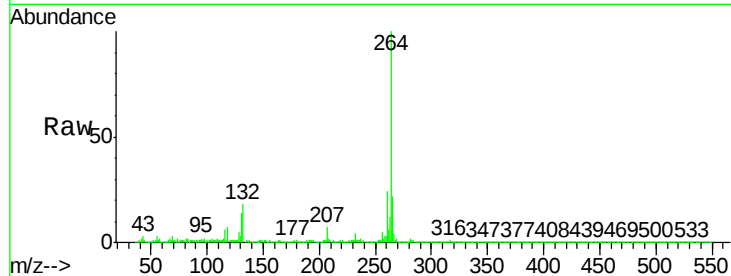




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

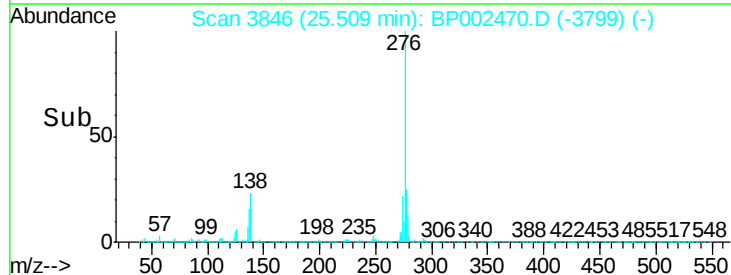
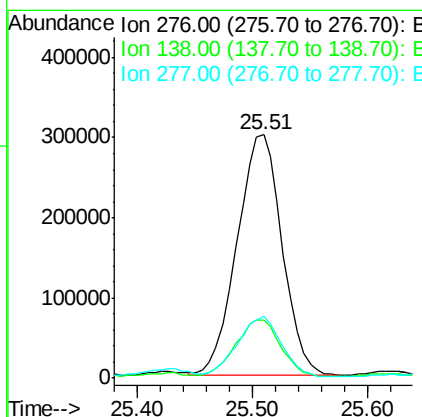
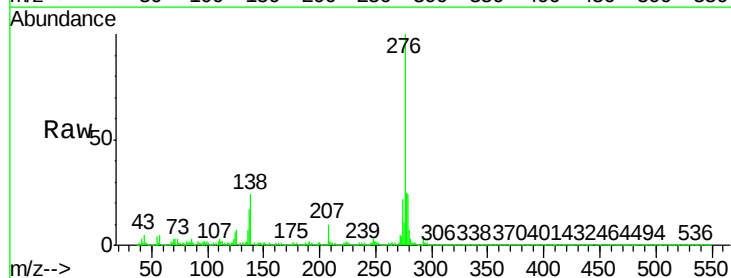
Instrument :
BNA_P
ClientSampleId :
SAMPLE-B-LOT-11

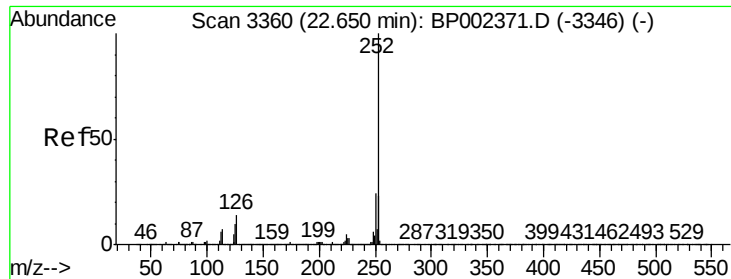
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.6	17.4	26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.872 ng
RT: 25.51 min Scan# 3846
Delta R.T. -0.02 min
Lab File: BP002470.D
Acq: 19 Jun 2020 21:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.2	31.8
277	24.7	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 51.581 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

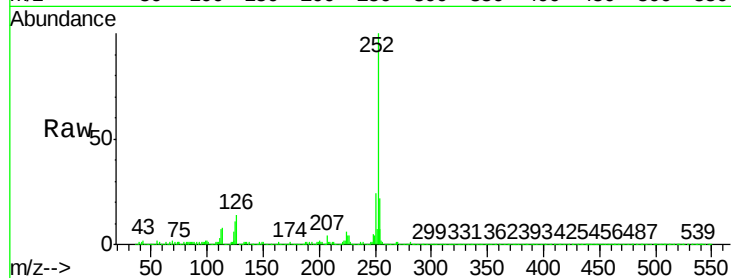
Tot Ion:252 Resp: 2138875

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

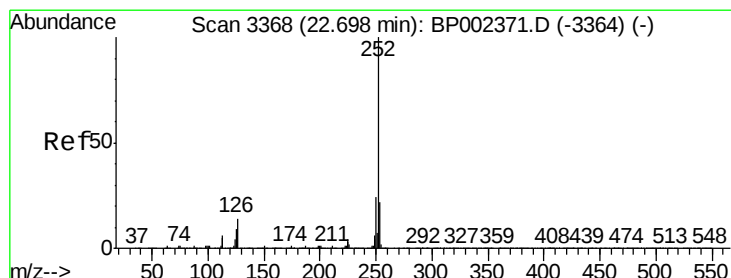
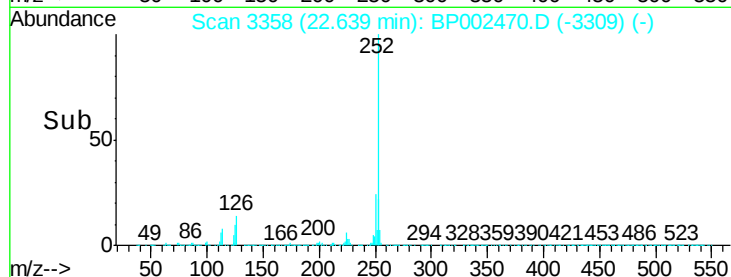
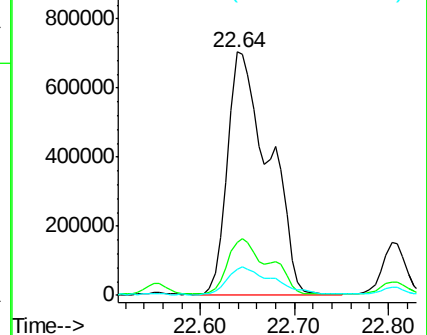
125 10.9 8.2 12.2



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: 54.288 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.06 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

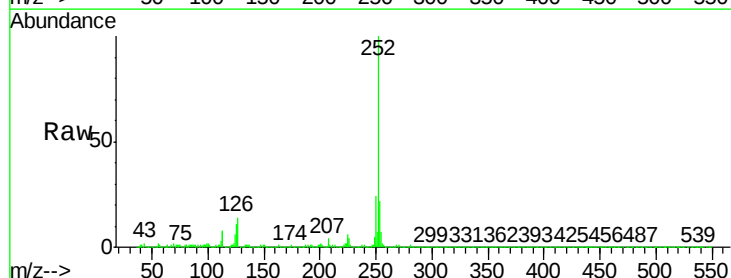
Tgt Ion:252 Resp: 2138875

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

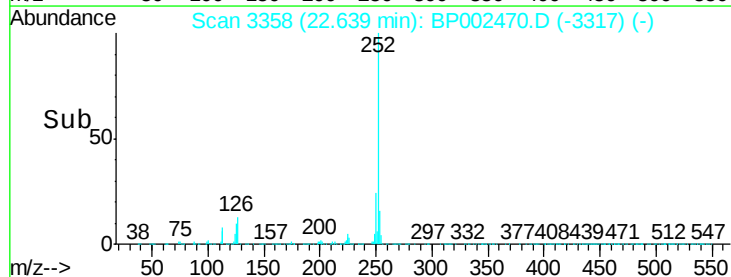
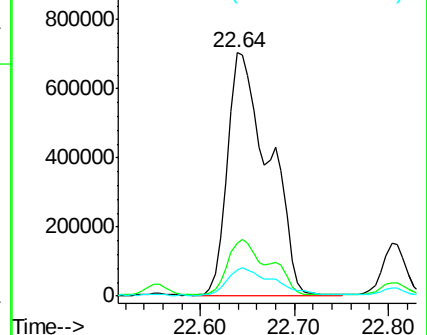
125 10.9 7.8 11.8

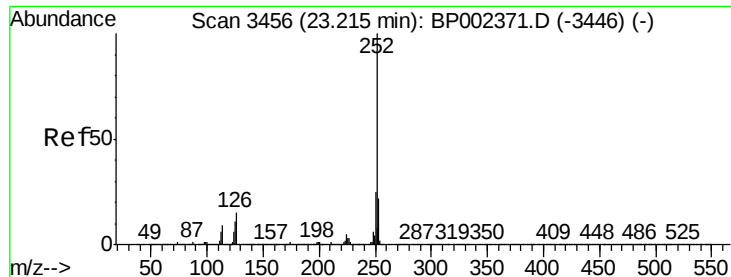


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 30.567 ng

RT: 23.20 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

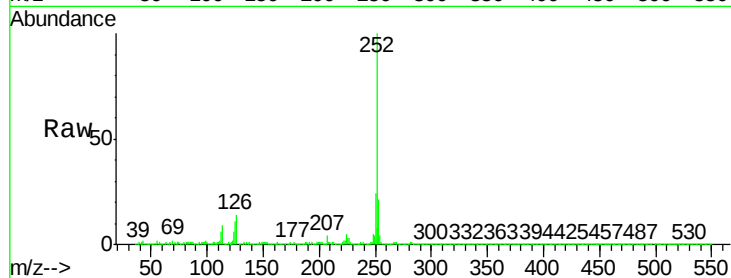
Tot Ion:252 Resp: 1187802

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.8

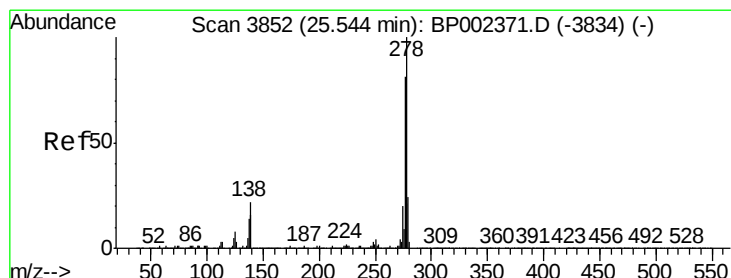
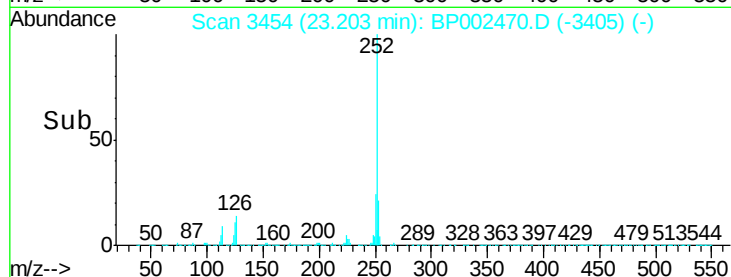
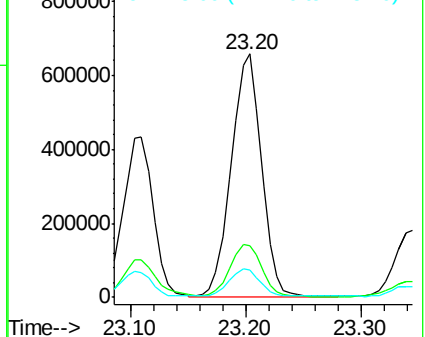
125 11.2 9.2 13.8



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



#91

Dibenzo(a,h)anthracene

Concen: 4.660 ng

RT: 25.76 min Scan# 3889

Delta R.T. 0.22 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

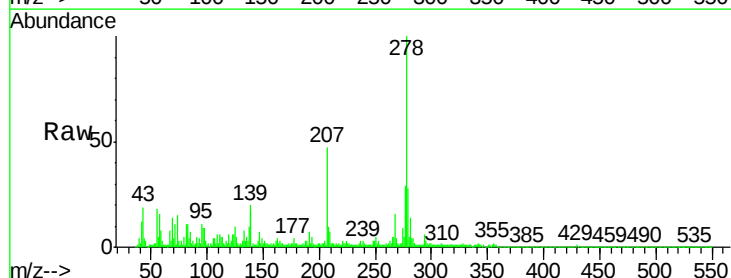
Tgt Ion:278 Resp: 179788

Ion Ratio Lower Upper

278 100

139 19.5 13.1 19.7

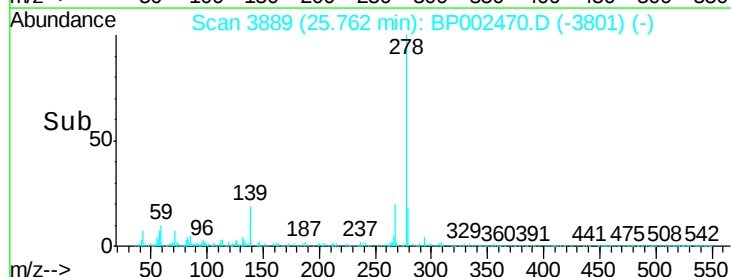
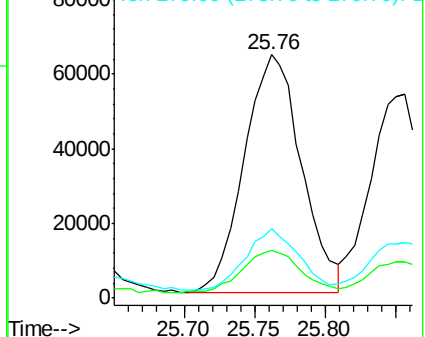
279 28.3 18.9 28.3

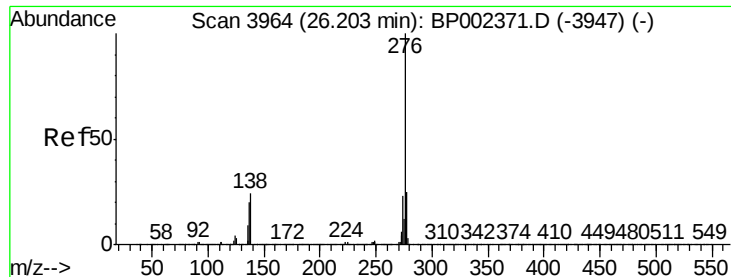


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 20.057 ng

RT: 26.18 min Scan# 3960

Delta R.T. -0.02 min

Lab File: BP002470.D

Acq: 19 Jun 2020 21:42

Instrument :

BNA_P

ClientSampleId :

SAMPLE-B-LOT-11

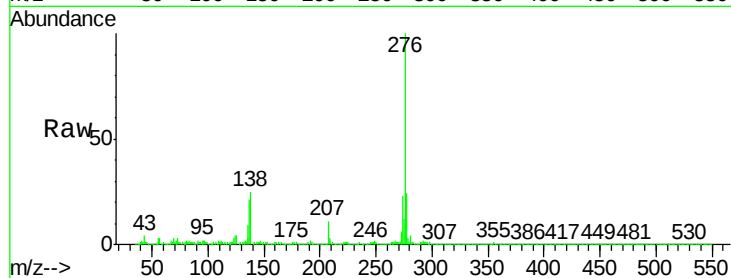
Tot Ion:276 Resp: 801392

Ion Ratio Lower Upper

276 100

277 23.8 19.8 29.6

138 24.8 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

