

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062420\
 Data File : BP002528.D
 Acq On : 24 Jun 2020 18:09
 Operator : CG/JU
 Sample : L3089-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RB44767-RT

Quant Time: Jun 24 18:40:16 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	212618	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	806044	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	450877	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	878431	20.00	ng	0.00
76) Chrysene-d12	21.09	240	794888	20.00	ng	0.00
86) Perylene-d12	23.29	264	910627	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1456246	126.74	ng	0.00
7) Phenol-d6	6.78	99	1903888	124.45	ng	0.00
23) Nitrobenzene-d5	8.73	82	1309283	97.00	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	593921	137.58	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2527735	94.26	ng	0.00
79) Terphenyl-d14	19.57	244	2878841	97.01	ng	0.00

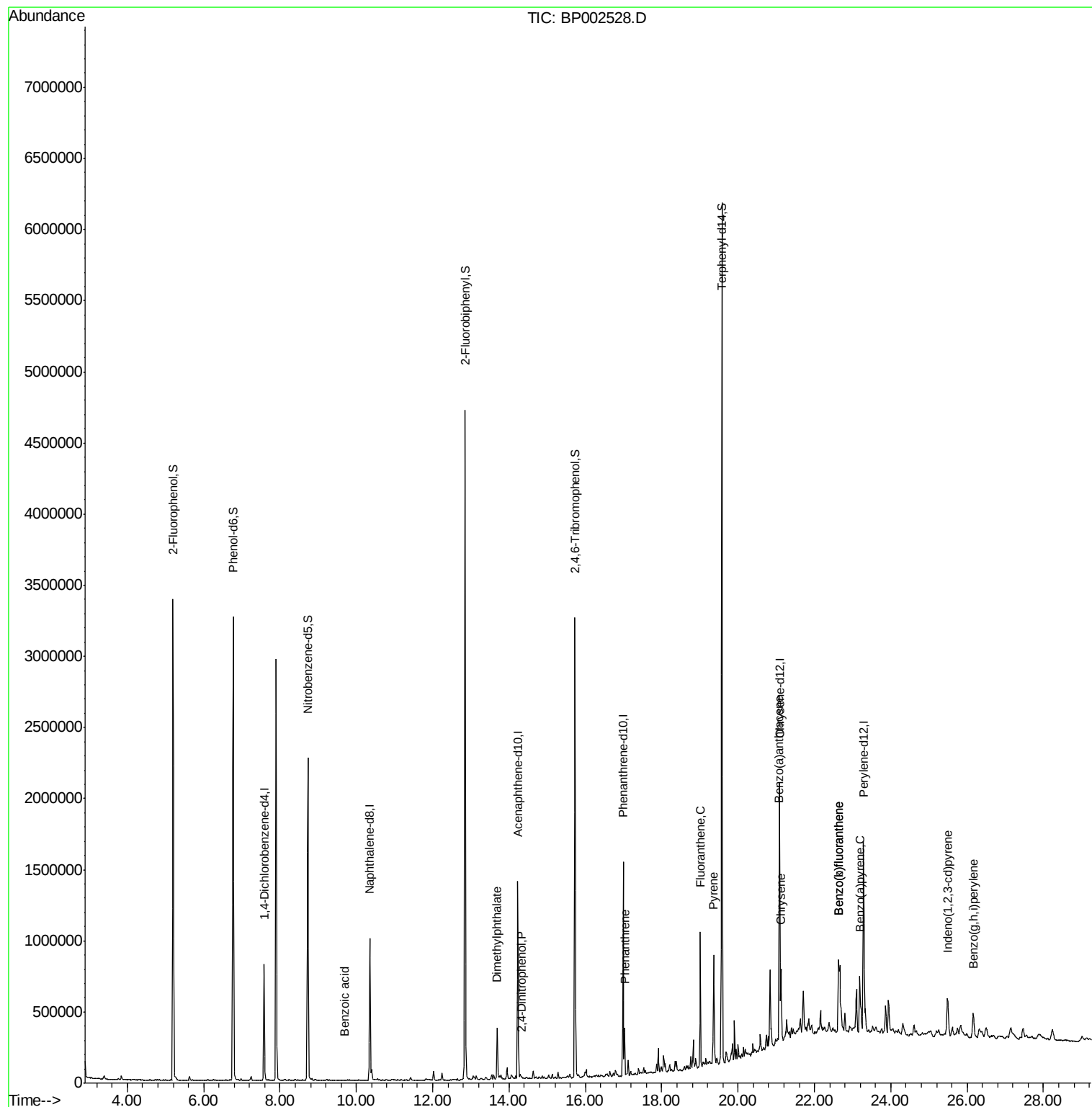
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	1010	Below Cal	#	58
32) Benzoic acid	9.69	122	74	4.607	ng	88
50) Dimethylphthalate	13.69	163	243485	7.881	ng	100
54) 2,4-Dinitrophenol	14.33	184	12	2.789	ng	# 1
61) 4-Chlorophenyl-phenylether	15.28	204	88	Below Cal	#	1
71) Phenanthrene	17.03	178	195745	4.764	ng	99
75) Fluoranthene	19.01	202	525399	10.712	ng	98
78) Pyrene	19.36	202	451224	9.267	ng	99
81) Benzo(a)anthracene	21.07	228	259515	5.720	ng	97
83) Chrysene	21.13	228	287555	6.689	ng	97
87) Indeno(1,2,3-cd)pyrene	25.49	276	205455	3.607	ng	99
88) Benzo(b)fluoranthene	22.63	252	426924	8.694	ng	99
89) Benzo(k)fluoranthene	22.63	252	426924	9.150	ng	# 96
90) Benzo(a)pyrene	23.19	252	274841	5.972	ng	96
92) Benzo(a,h,i)perylene	26.16	276	195745	4.137	ng	99

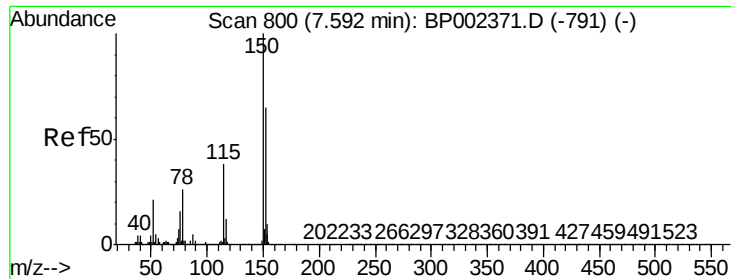
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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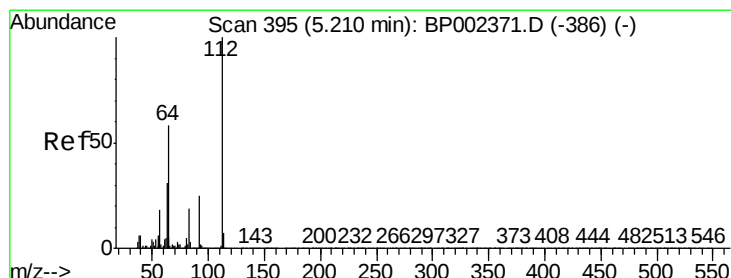
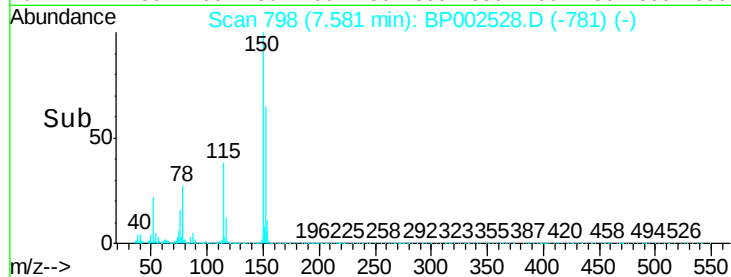
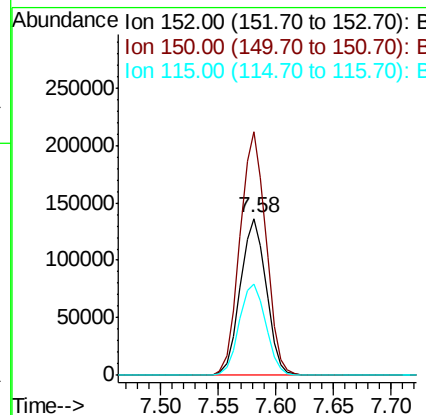
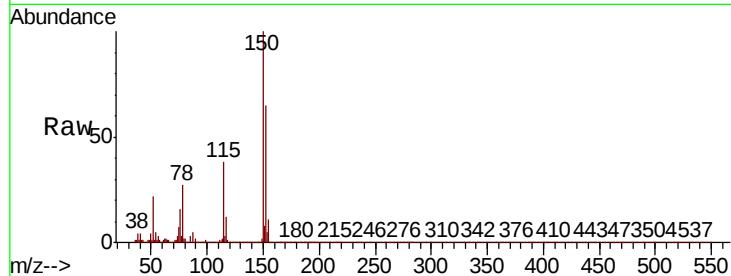


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 798
Delta R.T. 0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Instrument :
BNA_P
ClientSampleId :
RB44767-RT

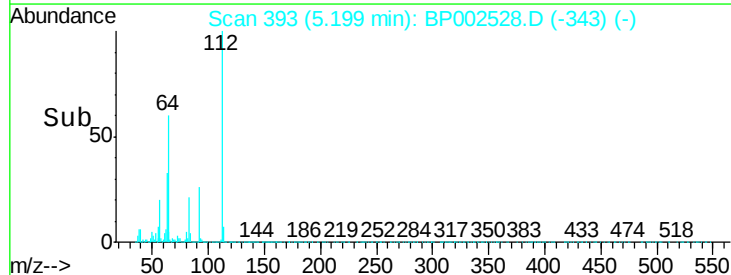
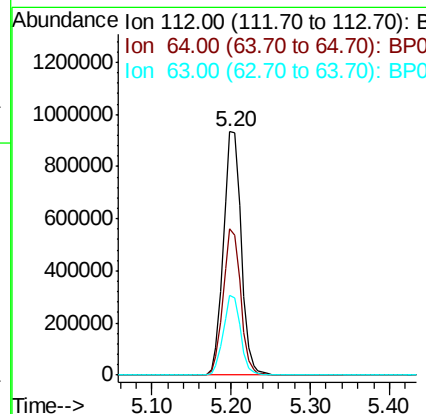
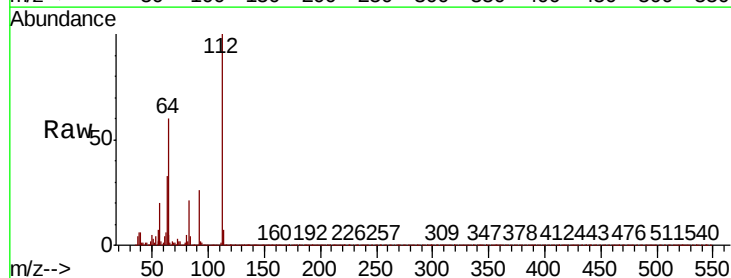
Tot Ion:152 Resp: 212618
Ion Ratio Lower Upper
152 100
150 154.9 124.4 186.6
115 58.5 47.8 71.6

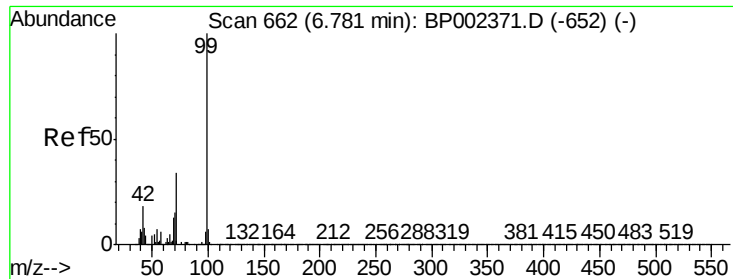


#5

2-Fluorophenol
Concen: 126.737 ng
RT: 5.20 min Scan# 393
Delta R.T. -0.01 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Tgt Ion:112 Resp: 1456246
Ion Ratio Lower Upper
112 100
64 60.1 46.4 69.6
63 32.8 25.0 37.6





#7

Phenol-d6

Concen: 124.453 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.00 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

Instrument :

BNA_P

ClientSampleId :

RB44767-RT

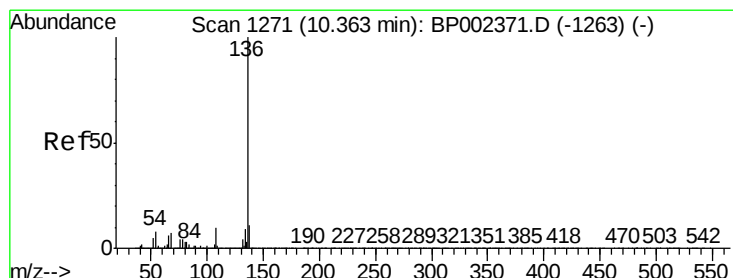
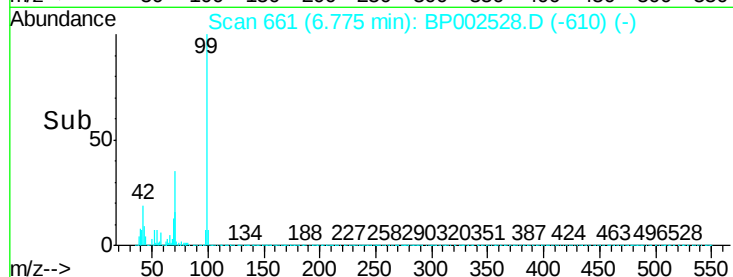
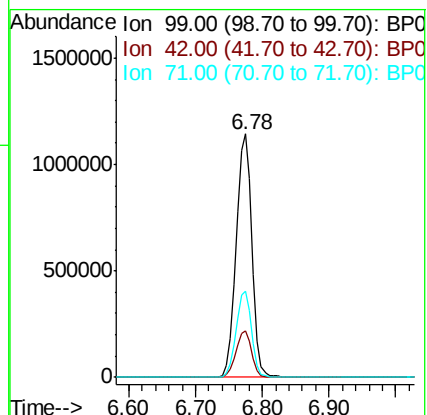
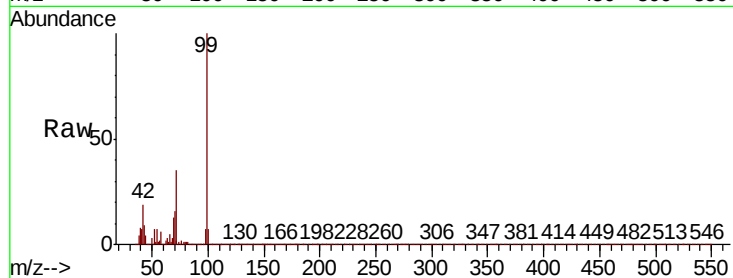
Tot Ion: 99 Resp: 1903888

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.3	22.9
71	35.4	28.2	42.2

99 100

42 19.0 15.3 22.9

71 35.4 28.2 42.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

Tgt Ion: 136 Resp: 806044

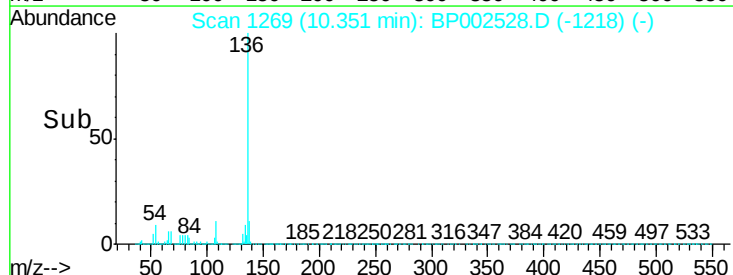
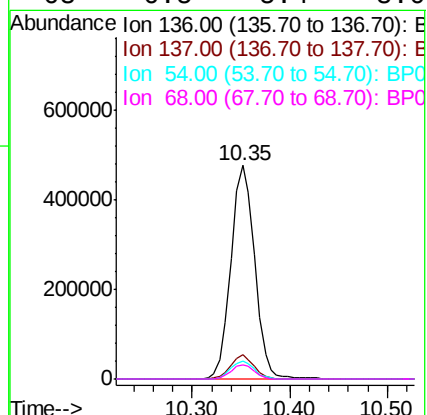
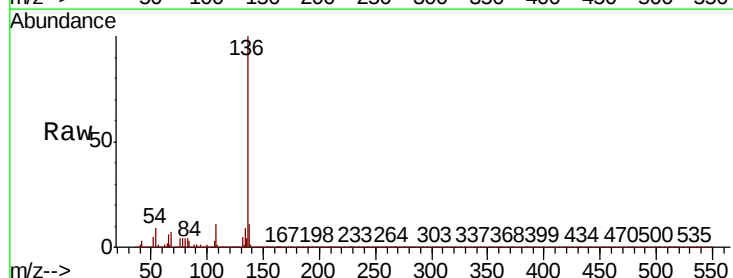
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.6	6.6	10.0
68	6.5	5.4	8.0

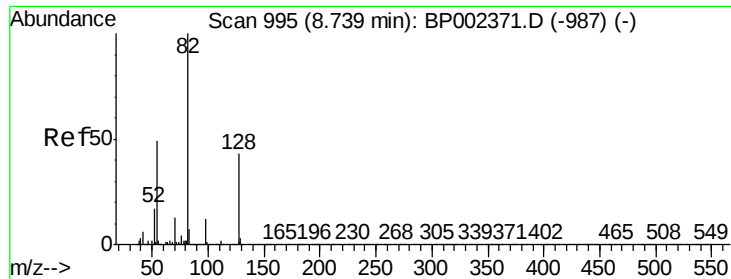
136 100

137 11.2 8.9 13.3

54 8.6 6.6 10.0

68 6.5 5.4 8.0

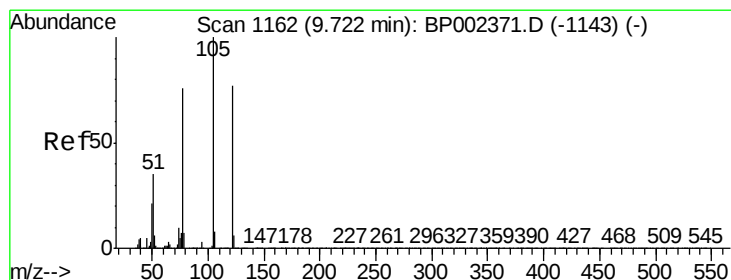
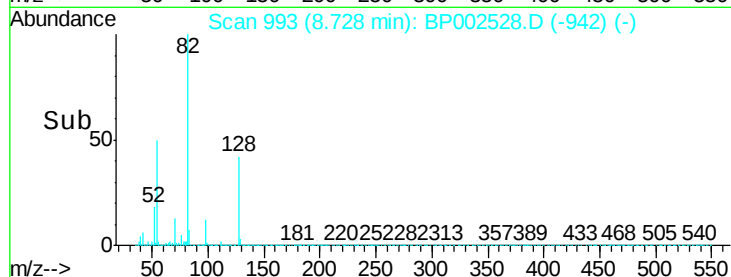
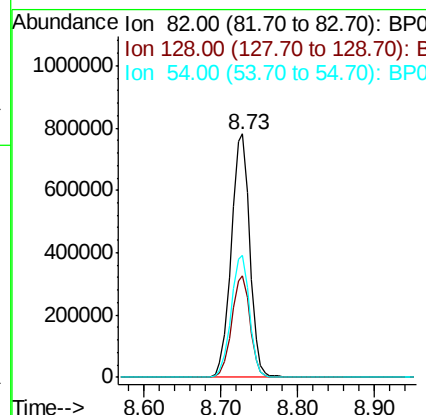
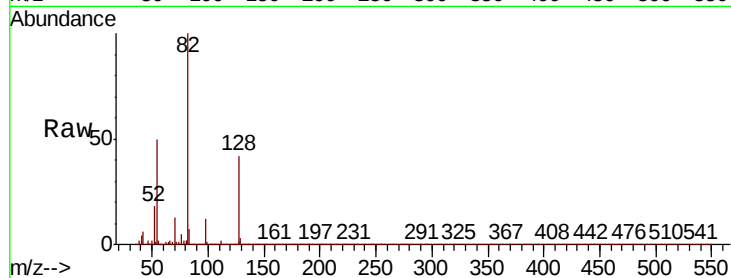




#23
Nitrobenzene-d5
Concen: 97.003 ng
RT: 8.73 min Scan# 993
Delta R.T. 0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

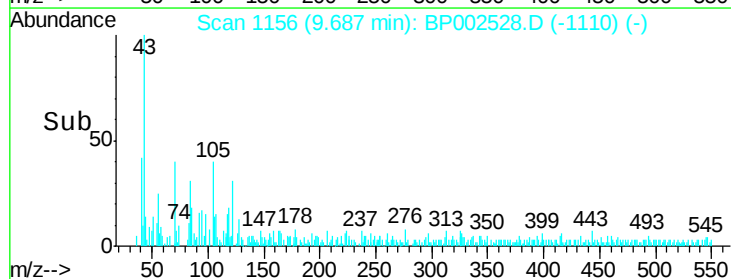
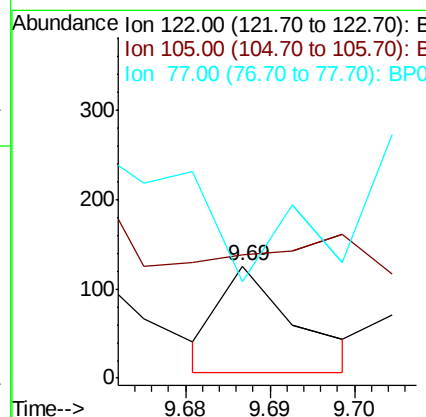
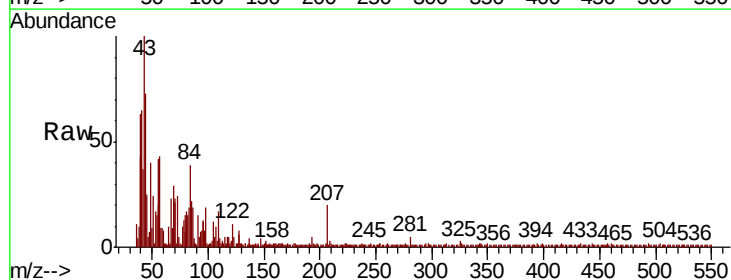
Instrument :
BNA_P
ClientSampleId :
RB44767-RT

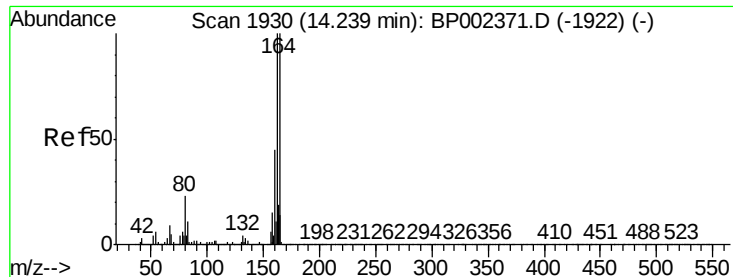
Tot Ion: 82 Resp: 1309283
Ion Ratio Lower Upper
82 100
128 41.7 32.8 49.2
54 50.2 39.9 59.9



#32
Benzoic acid
Concen: 4.607 ng
RT: 9.69 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Tgt Ion:122 Resp: 74
Ion Ratio Lower Upper
122 100
105 110.3 105.0 145.0
77 85.7 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: BP002528.D

Acq: 24 Jun 2020 18:09

Instrument :

BNA_P

ClientSampleId :

RB44767-RT

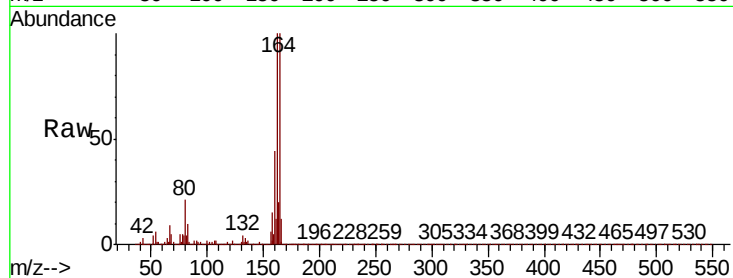
Tot Ion:164 Resp: 450877

Ion Ratio Lower Upper

164 100

162 99.7 80.6 121.0

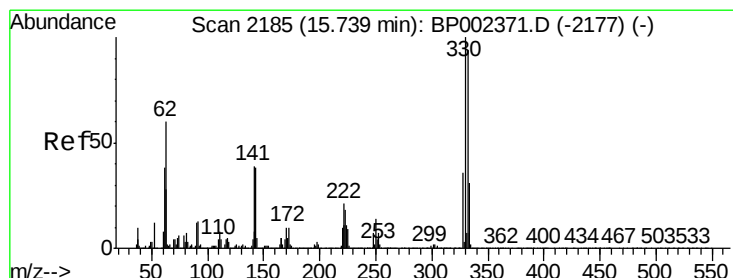
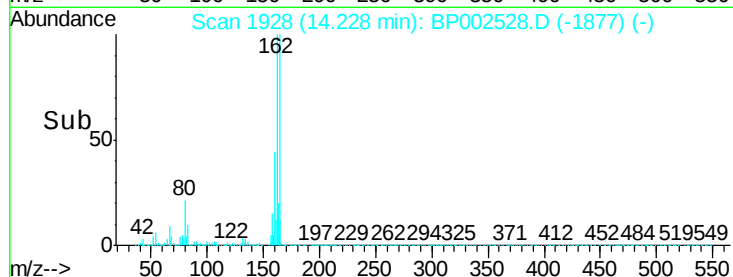
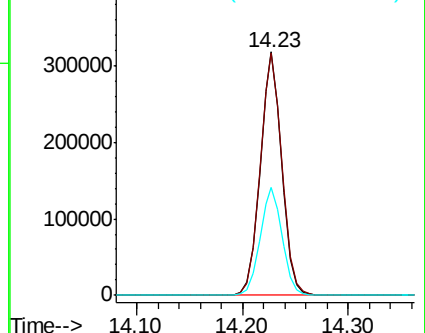
160 44.5 35.4 53.2



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: 137.583 ng

RT: 15.73 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

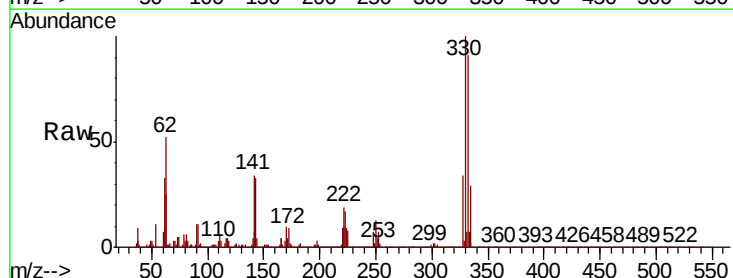
Tgt Ion:330 Resp: 593921

Ion Ratio Lower Upper

330 100

332 94.5 77.2 115.8

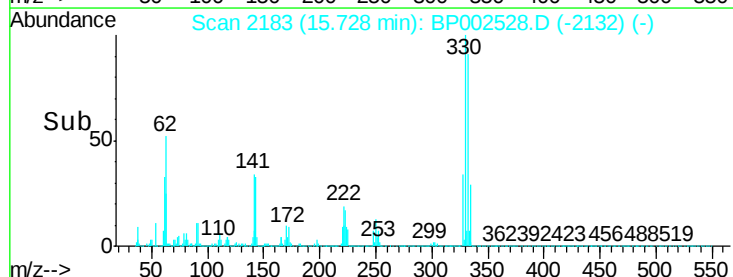
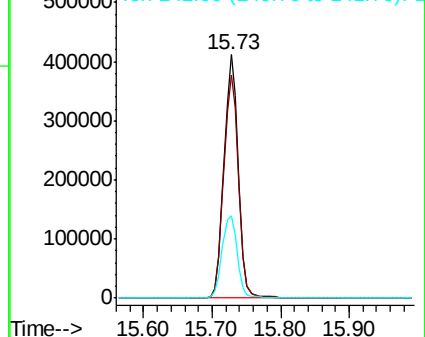
141 35.4 30.4 45.6

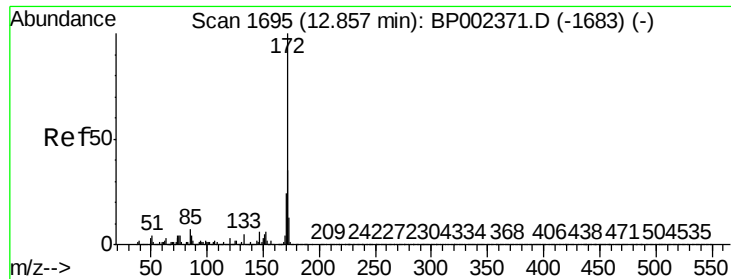


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

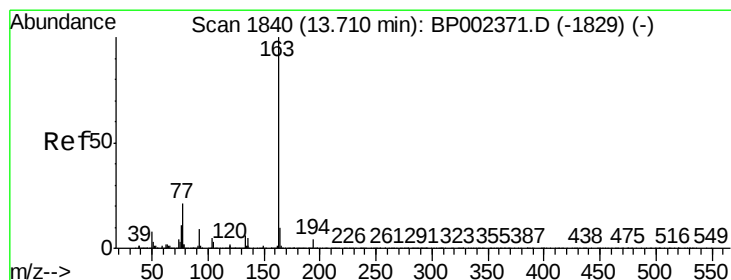
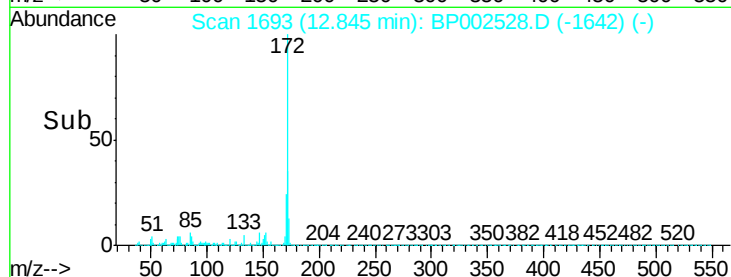
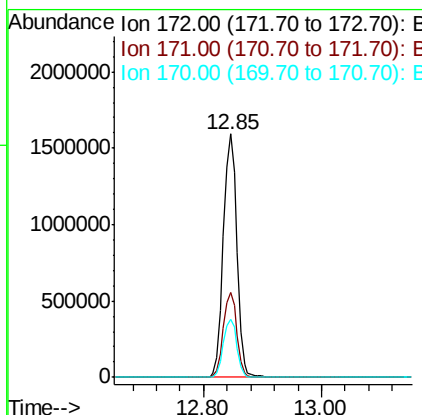
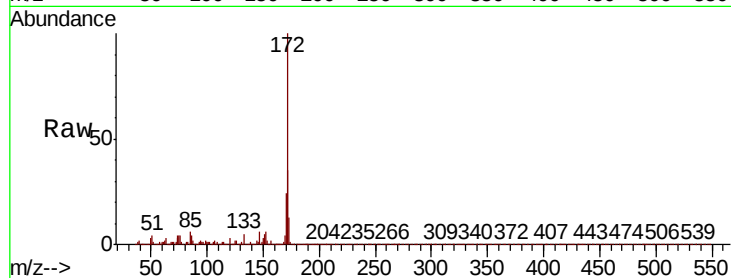




#45
2-Fluorobiphenyl
Concen: 94.265 ng
RT: 12.85 min Scan# 1693
Delta R.T. -0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

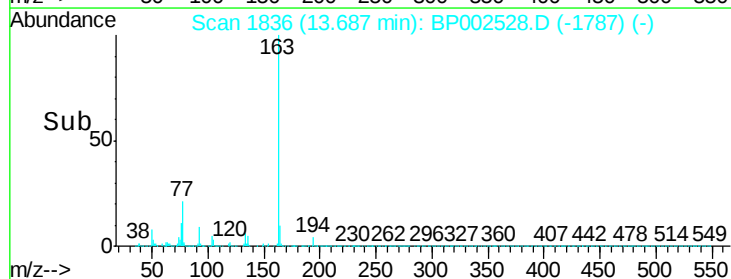
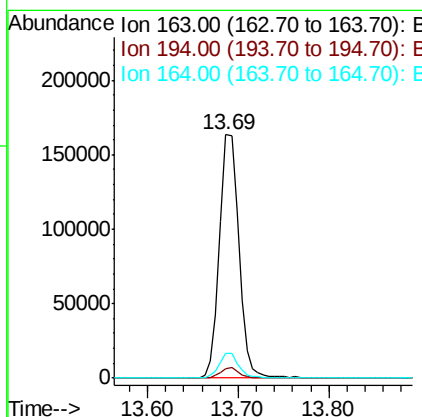
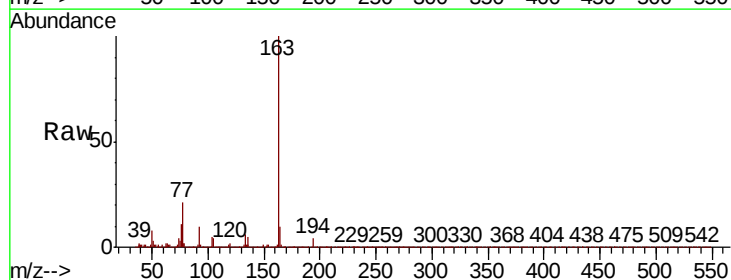
Instrument :
BNA_P
ClientSampleId :
RB44767-RT

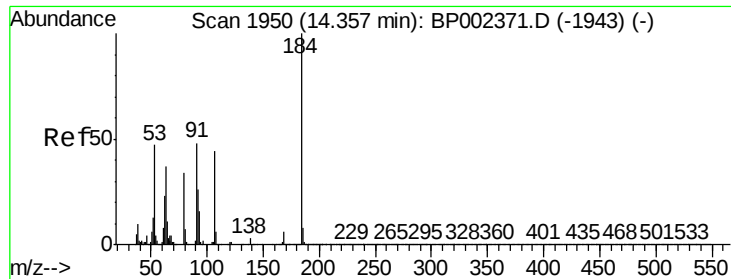
Tot Ion:172 Resp: 2527735
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.7 19.0 28.6



#50
Dimethylphthalate
Concen: 7.881 ng
RT: 13.69 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Tgt Ion:163 Resp: 243485
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.0 8.2 12.2

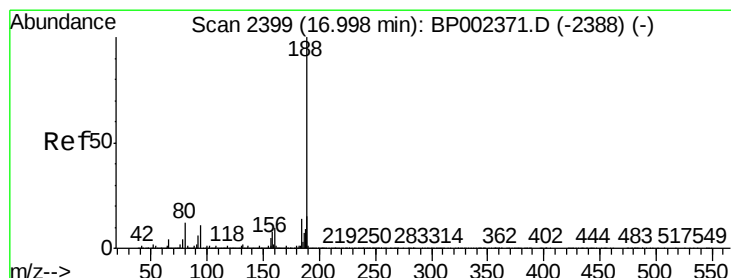
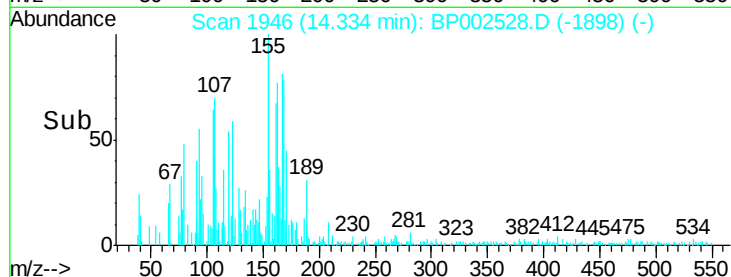
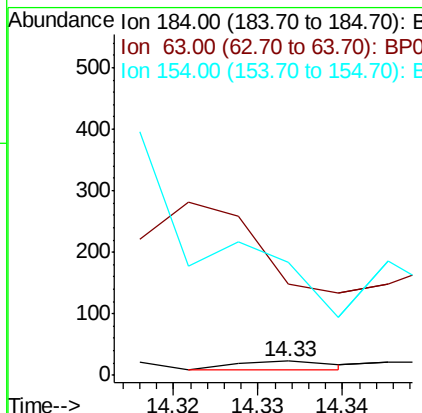
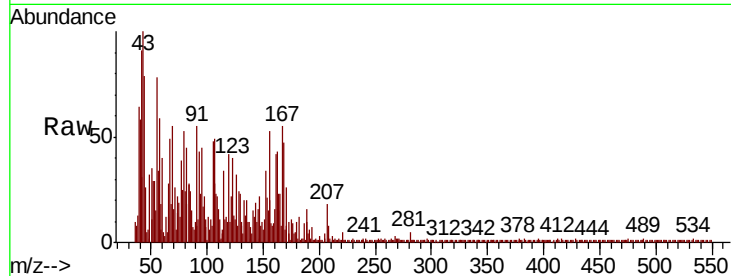




#54
2,4-Dinitrophenol
Concen: 2.789 ng
RT: 14.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

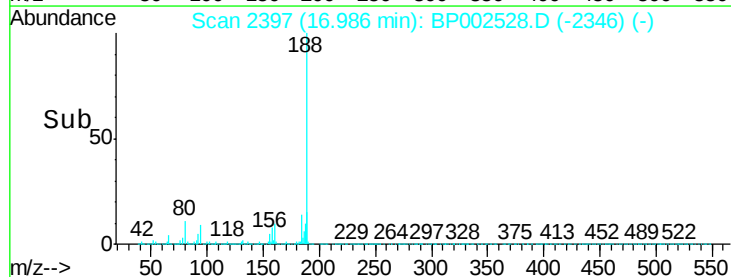
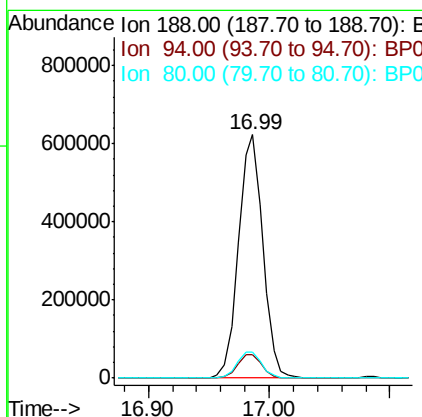
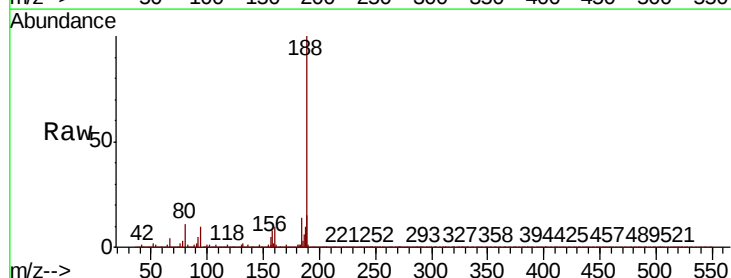
Instrument :
BNA_P
ClientSampleId :
RB44767-RT

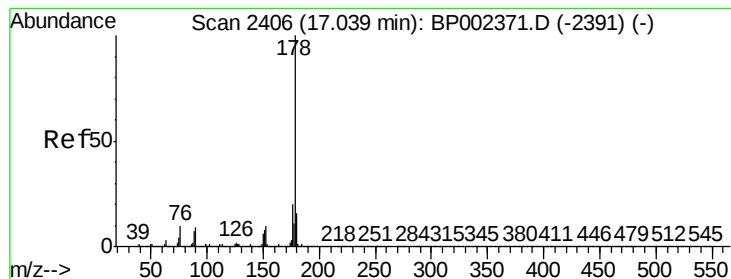
Tot Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 643.5 51.3 76.9#
154 795.7 50.2 75.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2397
Delta R.T. -0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Tgt Ion:188 Resp: 878431
Ion Ratio Lower Upper
188 100
94 9.5 7.6 11.4
80 10.6 8.3 12.5





#71

Phenanthrene

Concen: 4.764 ng

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

Instrument :

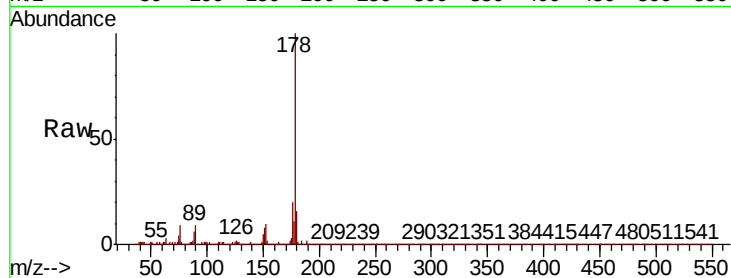
BNA_P

ClientSampleId :

RB44767-RT

Tot Ion:178 Resp: 195745

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.6	23.4
179	16.0	12.8	19.2

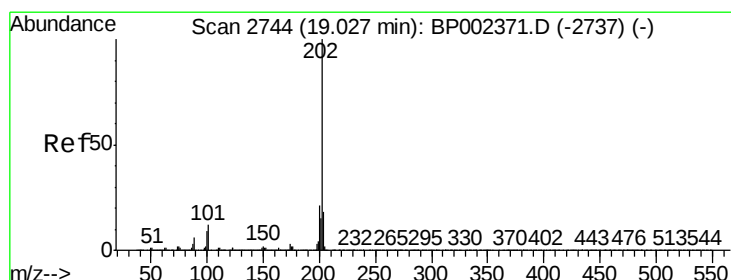
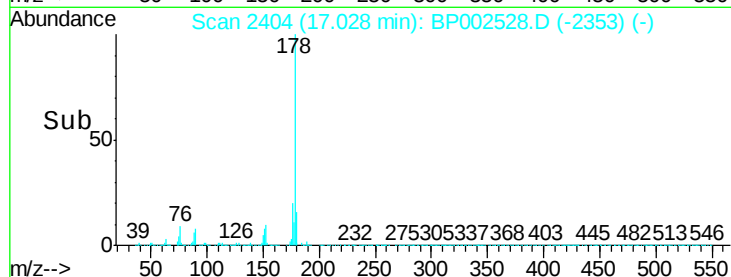
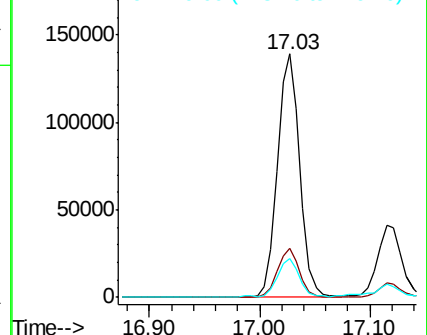


Abundance

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: 10.712 ng

RT: 19.01 min Scan# 2741

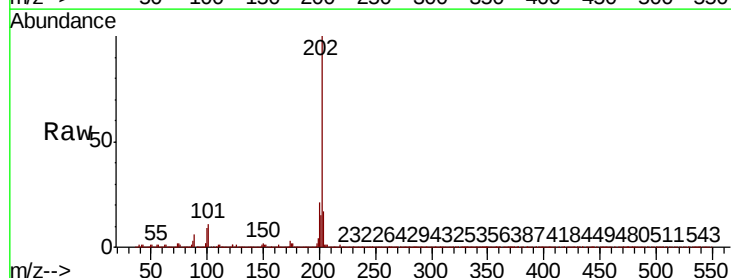
Delta R.T. -0.01 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

Tgt Ion:202 Resp: 525399

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.3
203	17.3	0.0	36.9

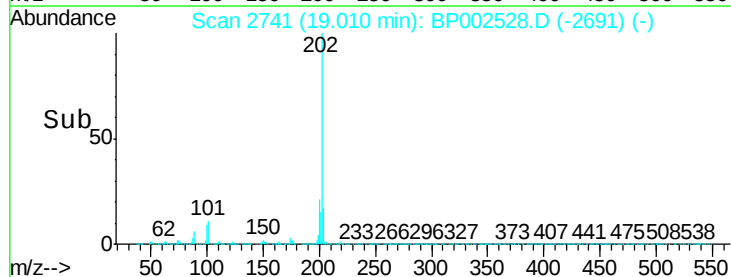
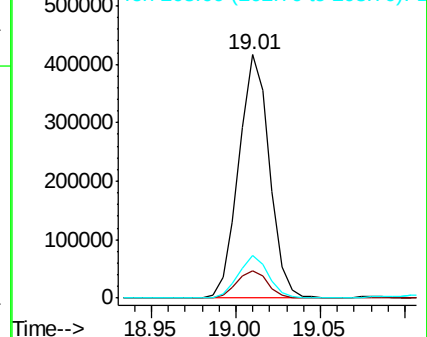


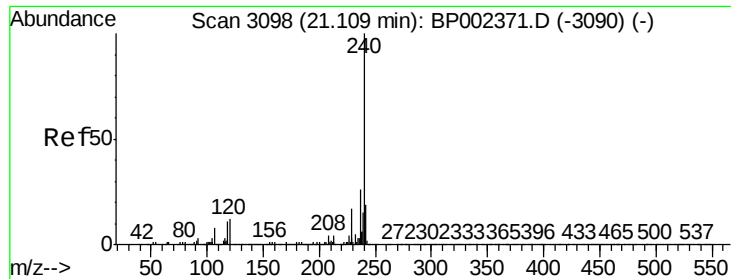
Abundance

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

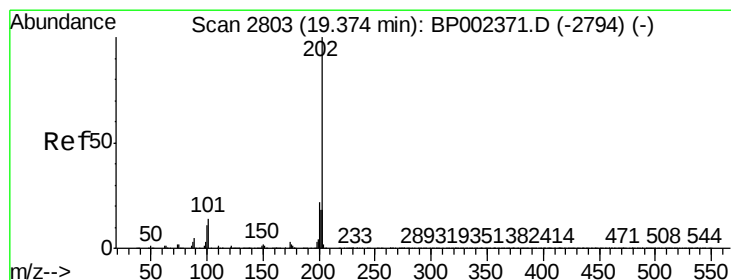
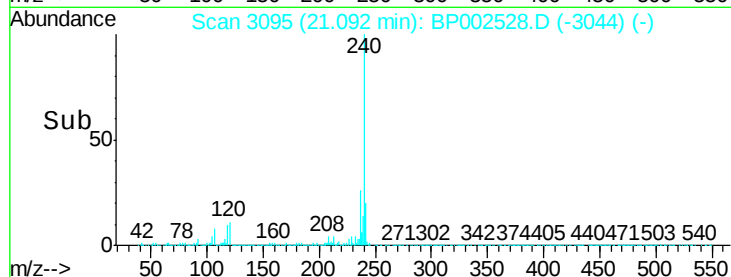
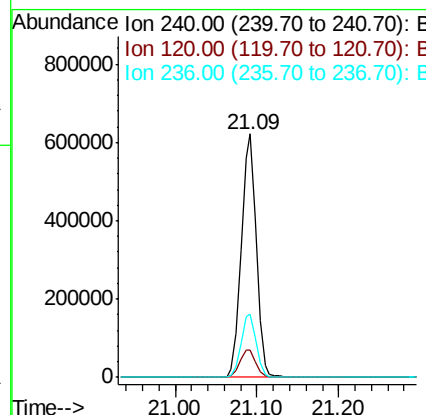
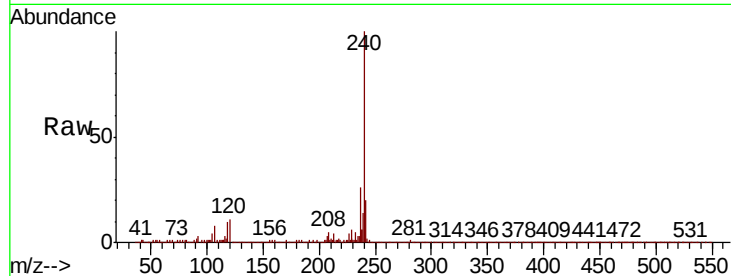




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

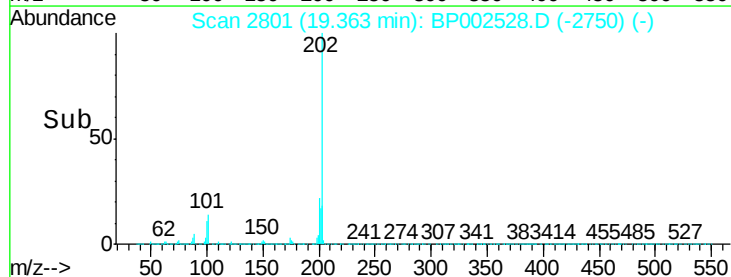
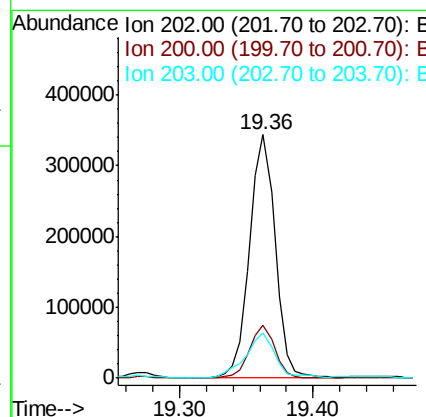
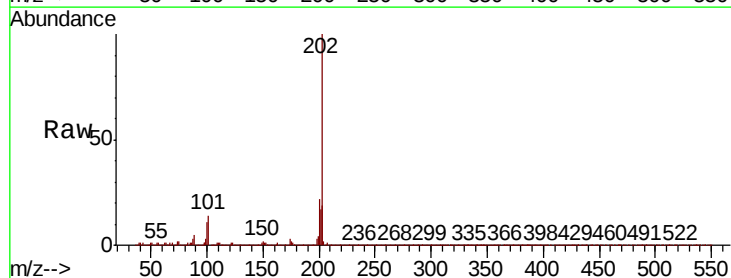
Instrument :
BNA_P
ClientSampleId :
RB44767-RT

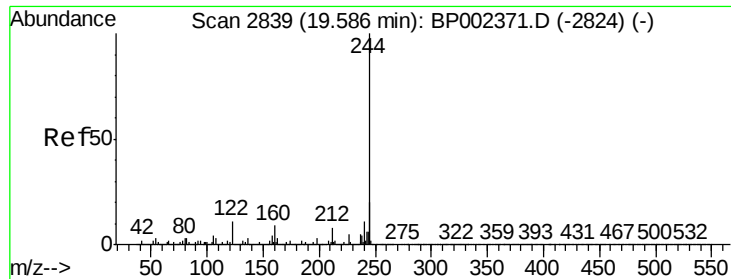
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	26.2	21.7	32.5



#78
Pyrene
Concen: 9.267 ng
RT: 19.36 min Scan# 2801
Delta R.T. 0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.6	14.1	21.1





#79

Terphenyl-d14

Concen: 97.014 ng

RT: 19.57 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

Instrument :

BNA_P

ClientSampleId :

RB44767-RT

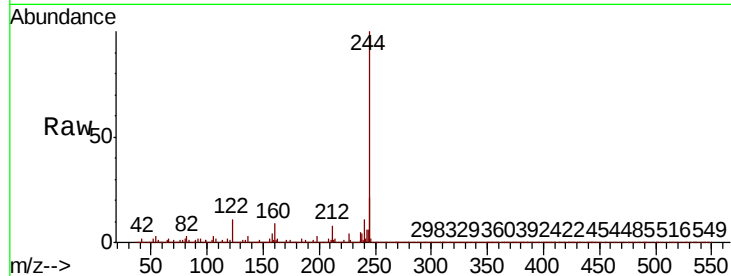
Tot Ion:244 Resp: 2878841

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

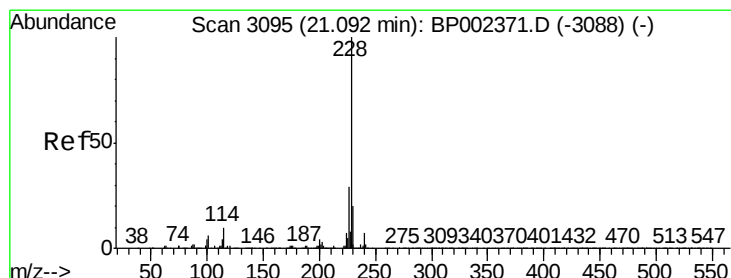
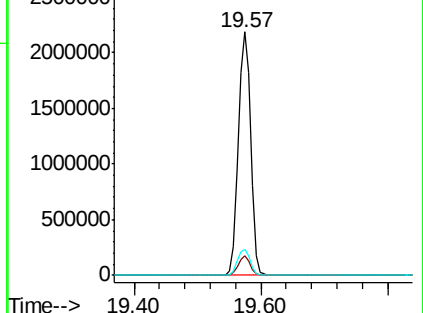
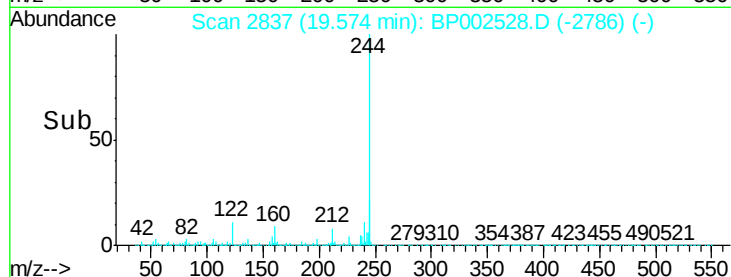
122 10.6 8.0 12.0



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: 5.720 ng

RT: 21.07 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

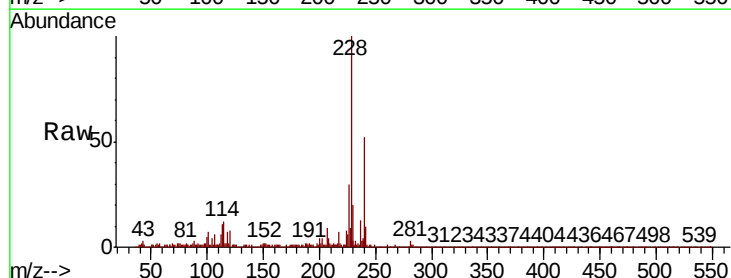
Tgt Ion:228 Resp: 259515

Ion Ratio Lower Upper

228 100

226 29.8 22.3 33.5

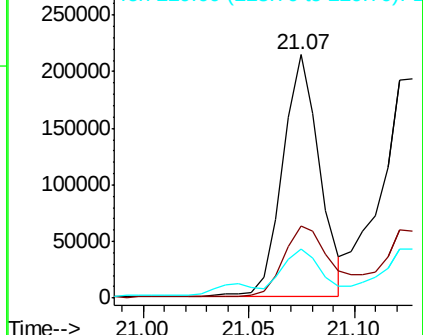
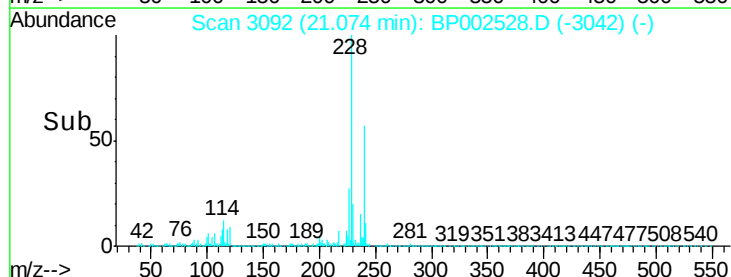
229 20.3 15.9 23.9

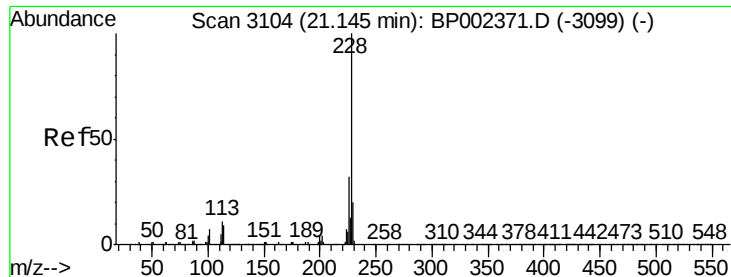


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

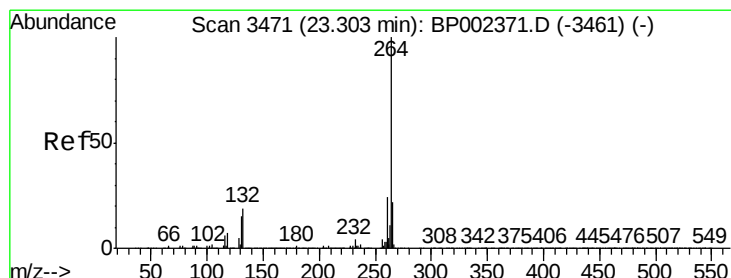
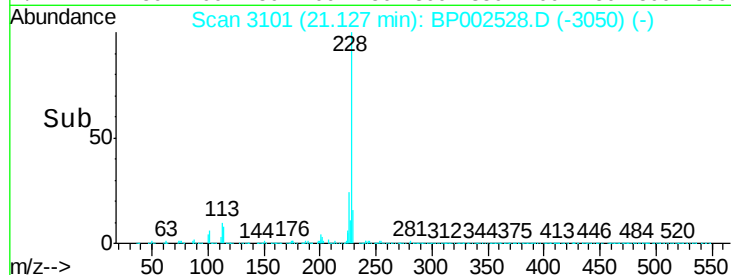
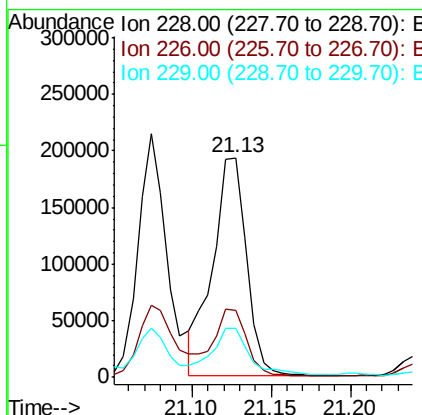
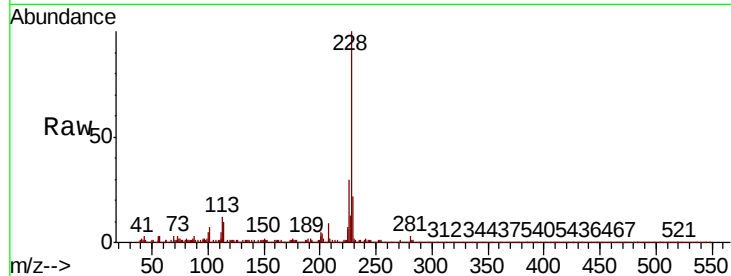




#83
Chrysene
Concen: 6.689 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

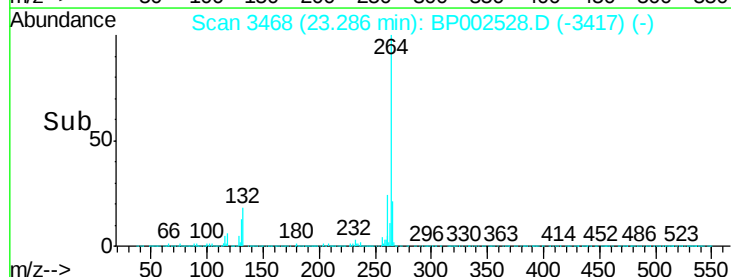
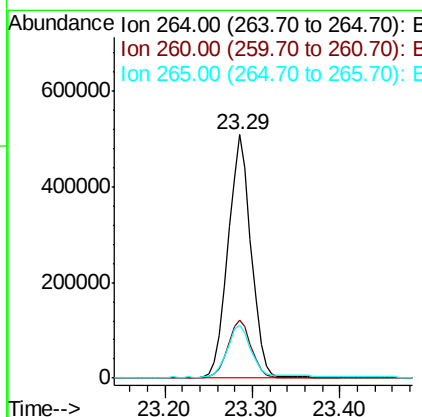
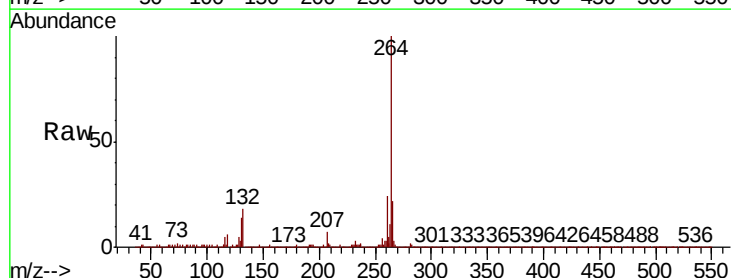
Instrument :
BNA_P
ClientSampleId :
RB44767-RT

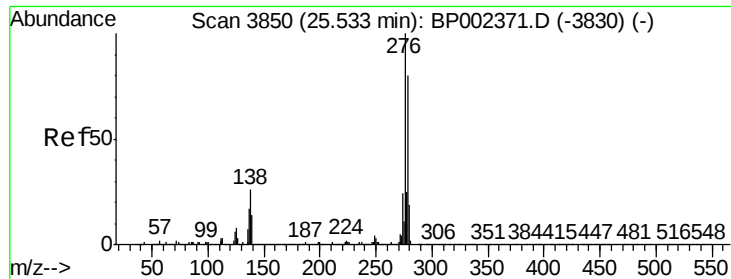
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.5	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.7	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.607 ng

RT: 25.49 min Scan# 3842

Delta R.T. -0.02 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

Instrument :

BNA_P

ClientSampleId :

RB44767-RT

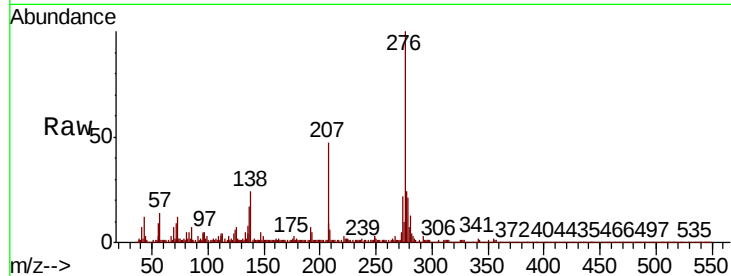
Tot Ion:276 Resp: 205455

Ion Ratio Lower Upper

276 100

138 23.8 19.4 29.0

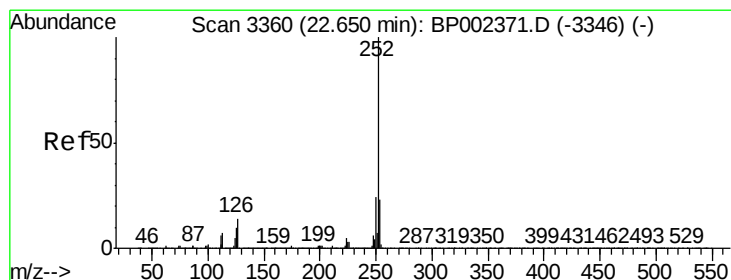
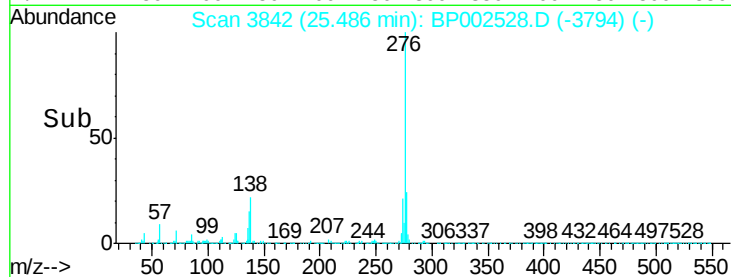
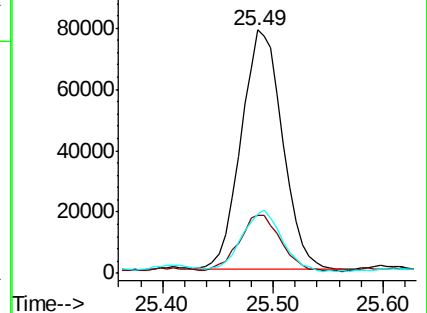
277 25.0 20.4 30.6



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: 8.694 ng

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

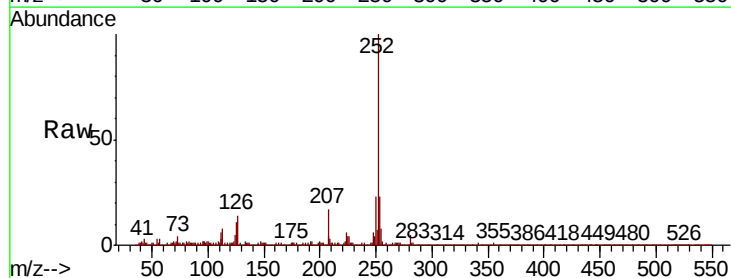
Tgt Ion:252 Resp: 426924

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

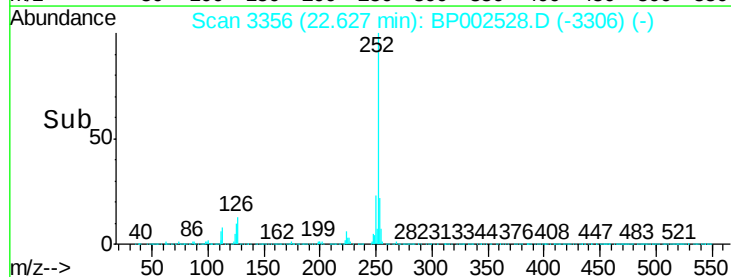
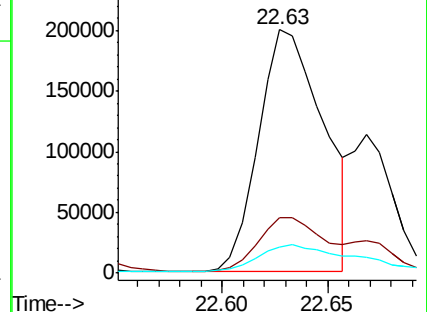
125 10.9 7.5 11.3

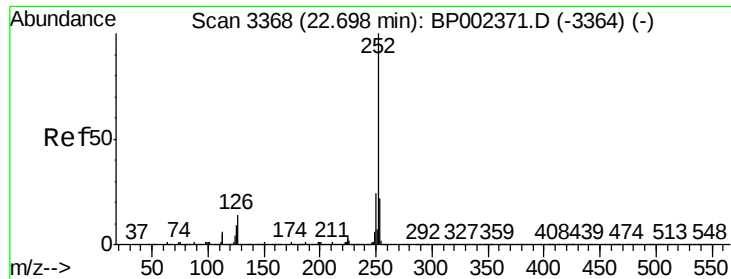


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

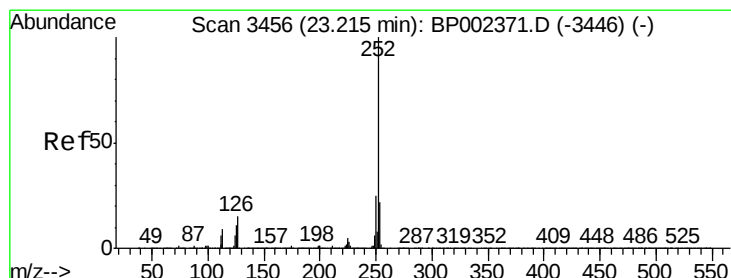
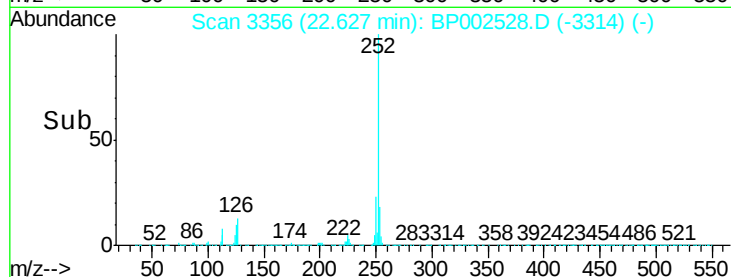
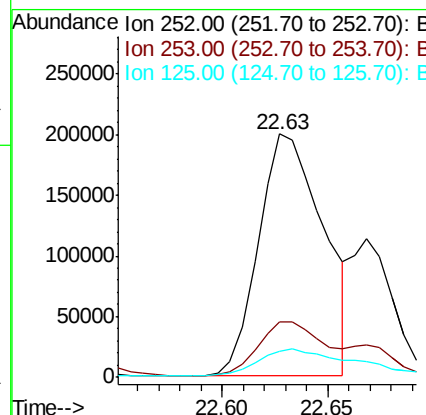
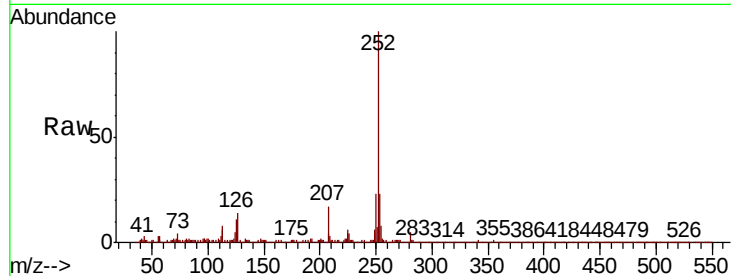




#89
Benzo(k)fluoranthene
Concen: 9.150 ng
RT: 22.63 min Scan# 3356
Delta R.T. -0.05 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

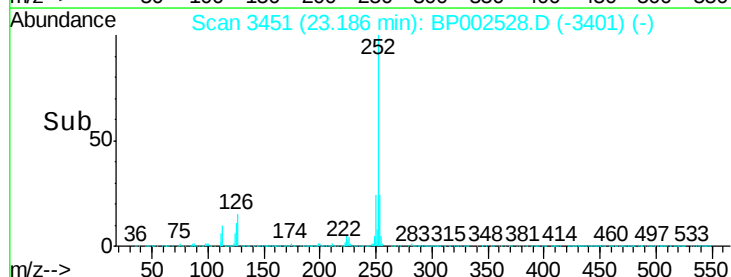
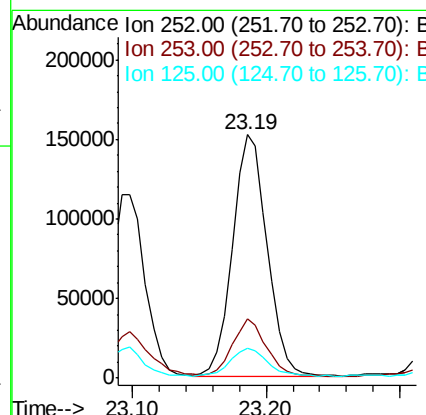
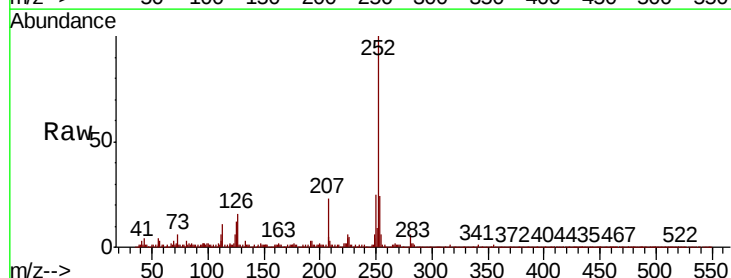
Instrument :
BNA_P
ClientSampled :
RB44767-RT

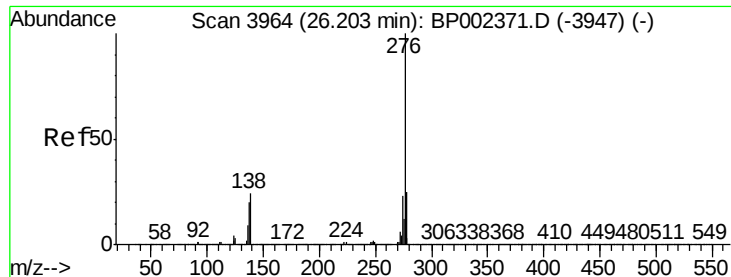
Tot Ion:252 Resp: 426924
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 10.9 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 5.972 ng
RT: 23.19 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BP002528.D
Acq: 24 Jun 2020 18:09

Tgt Ion:252 Resp: 274841
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.4
125 12.4 8.7 13.1





#92

Benzo(a,h,i)perylene

Concen: 4.137 ng

RT: 26.16 min Scan# 3956

Delta R.T. -0.02 min

Lab File: BP002528.D

Acq: 24 Jun 2020 18:09

Instrument :

BNA_P

ClientSampleId :

RB44767-RT

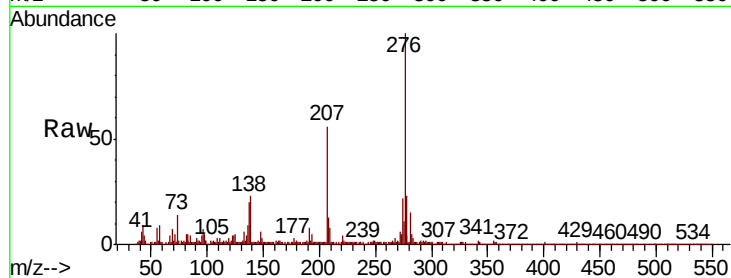
Tot Ion: 276 Resp: 195745

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 23.4 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

