

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP052820\
 Data File : BP002302.D
 Acq On : 28 May 2020 10:51
 Operator : CG/JU
 Sample : L2744-16
 Misc :
 ALS Vial : 3 Sample Multiplier: 2

Instrument :
 BNA_P
 ClientSampleId :
 NM41-COMP-2020-0-6

Quant Time: May 28 12:35:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 11:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	606911	40.00	ng	0.00
21) Naphthalene-d8	10.38	136	2514666	40.00	ng	0.00
39) Acenaphthene-d10	14.25	164	1494474	40.00	ng	0.00
64) Phenanthrene-d10	17.00	188	3097069	40.00	ng	0.00
76) Chrysene-d12	21.10	240	2864416	40.00	ng	0.00
86) Perylene-d12	23.30	264	3117507	40.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	2063284	127.70	ng	0.00
7) Phenol-d6	6.79	99	2878784	130.98	ng	0.00
23) Nitrobenzene-d5	8.75	82	1969453	94.17	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	925885	130.74	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	3883068	91.70	ng	0.00
79) Terphenyl-d14	19.59	244	5040959	85.24	ng	0.01

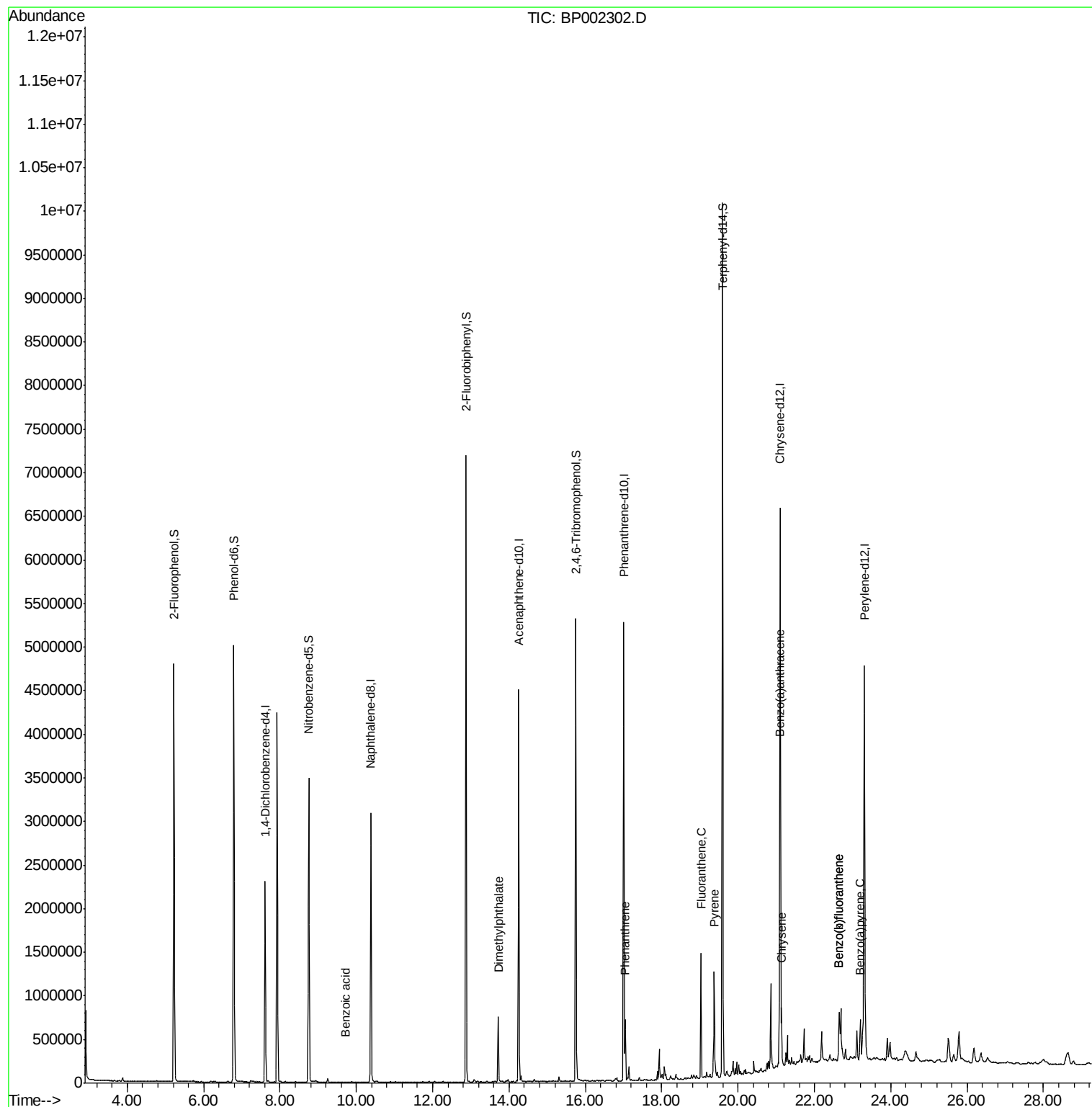
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.72	122	79	9.625	ng	# 62
50) Dimethylphthalate	13.72	163	473609	9.364	ng	99
71) Phenanthrene	17.05	178	382177	5.210	ng	99
75) Fluoranthene	19.03	202	798569	9.452	ng	99
78) Pyrene	19.37	202	720054	8.074	ng	99
81) Benzo(a)anthracene	21.09	228	402106	4.905	ng	99
83) Chrysene	21.14	228	349638	4.444	ng	96
87) Indeno(1,2,3-cd)pyrene	25.50	276	210304	2.180	ng	96
88) Benzo(b)fluoranthene	22.64	252	476290	5.605	ng	# 96
89) Benzo(k)fluoranthene	22.64	252	476290	5.840	ng	# 96
90) Benzo(a)pyrene	23.20	252	344752	4.373	ng	97
92) Benzo(a,h,i)perylene	26.17	276	206290	2.571	ng	# 93

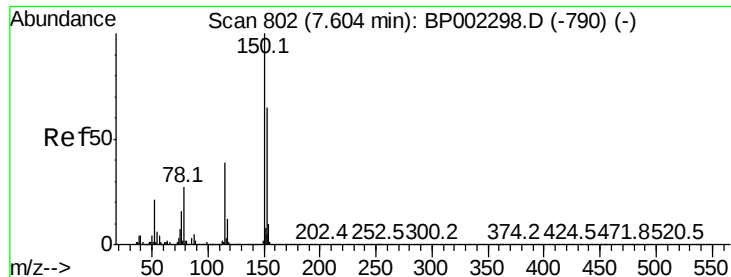
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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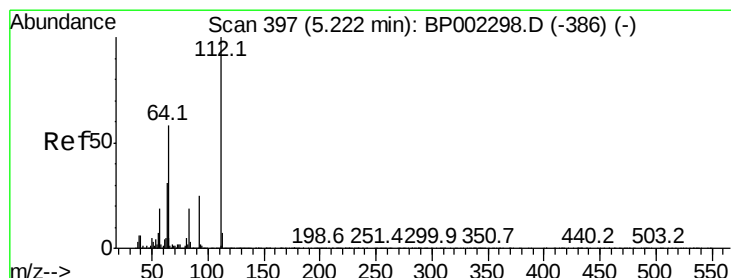
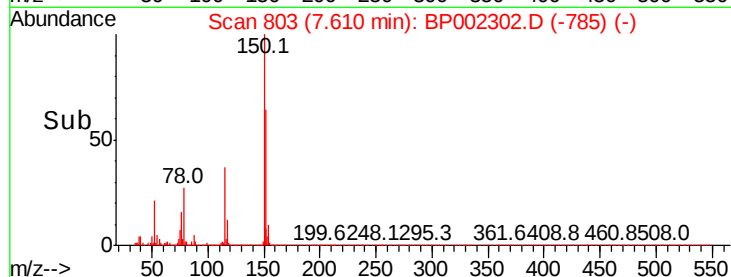
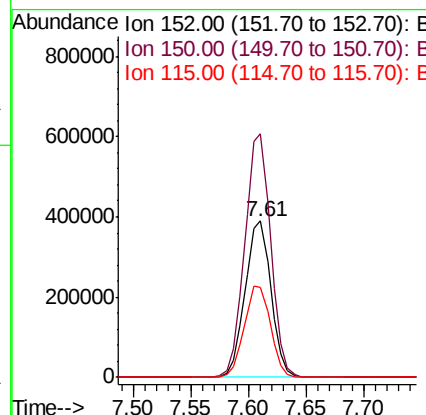
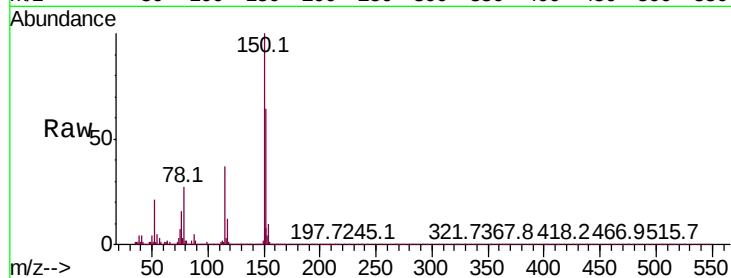


#1

1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 7.61 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP002302.D
Acq: 28 May 2020 10:51

Instrument :
BNA_P
ClientSampleId :
NM41-COMP-2020-0-6

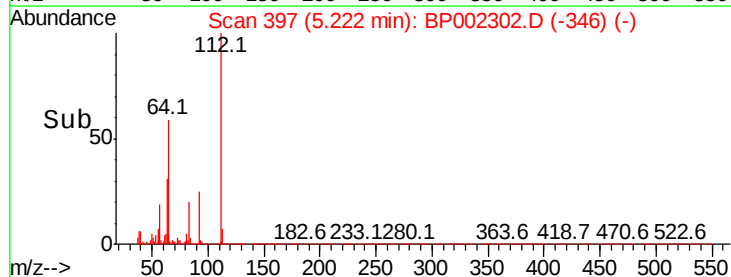
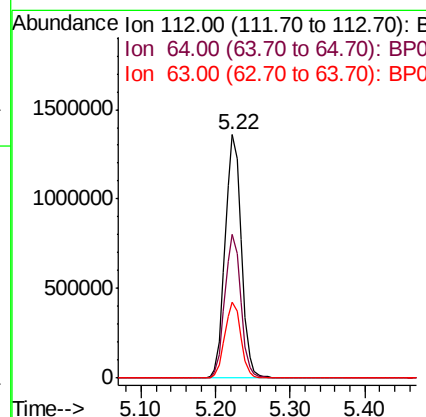
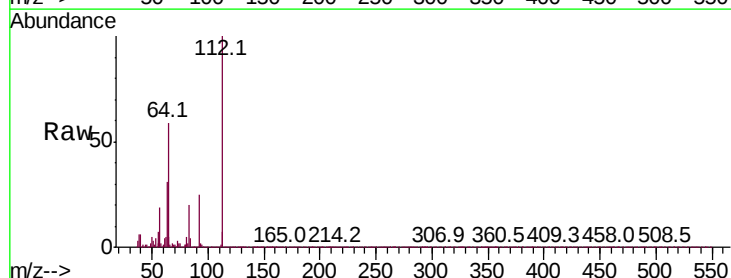
Tot Ion:152 Resp: 606911
Ion Ratio Lower Upper
152 100
150 155.9 124.7 187.1
115 57.6 49.4 74.2

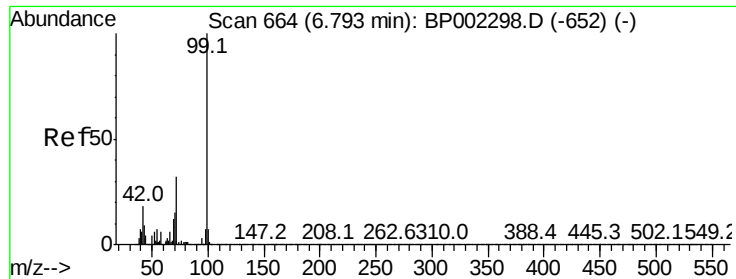


#5

2-Fluorophenol
Concen: 127.700 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002302.D
Acq: 28 May 2020 10:51

Tgt Ion:112 Resp: 2063284
Ion Ratio Lower Upper
112 100
64 59.2 47.0 70.4
63 31.3 24.0 36.0





#7

Phenol-d6

Concen: 130.978 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Instrument :

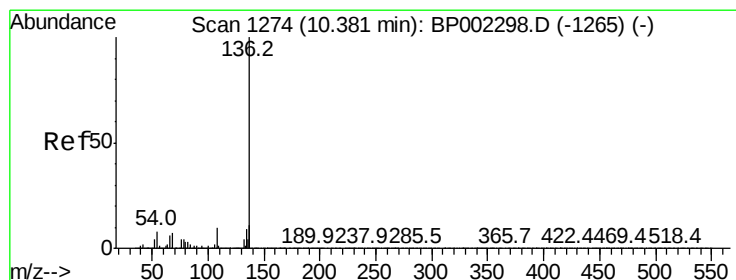
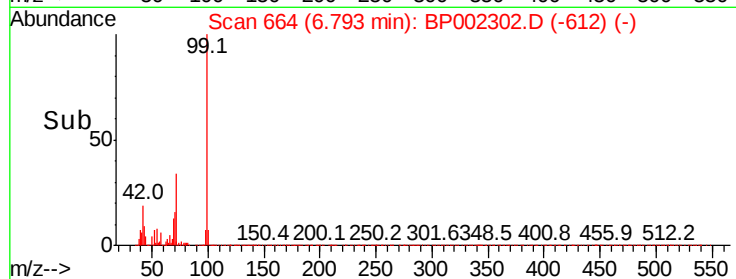
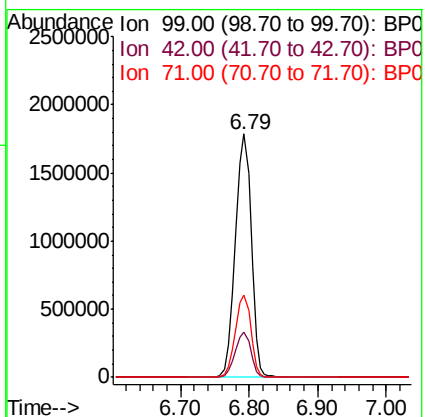
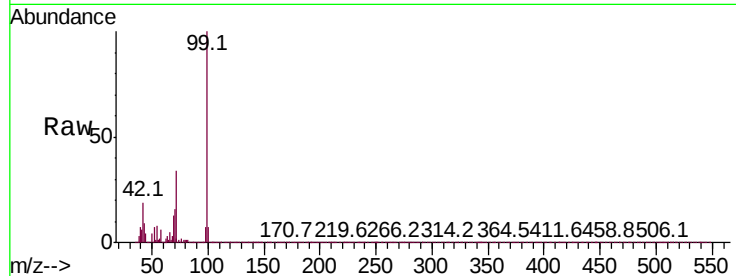
BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

Tot Ion: 99 Resp: 2878784

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.9	20.9
71	33.8	25.8	38.8



#21

Naphthalene-d8

Concen: 40.000 ng

RT: 10.38 min Scan# 1274

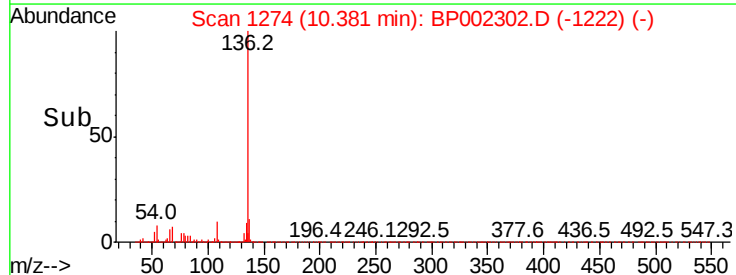
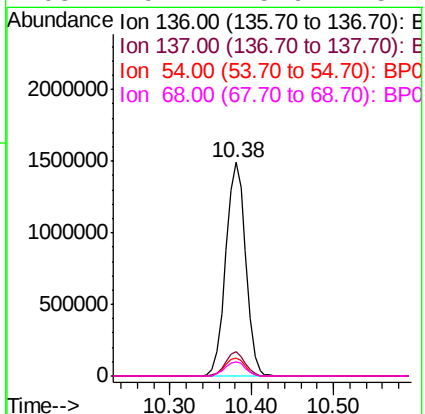
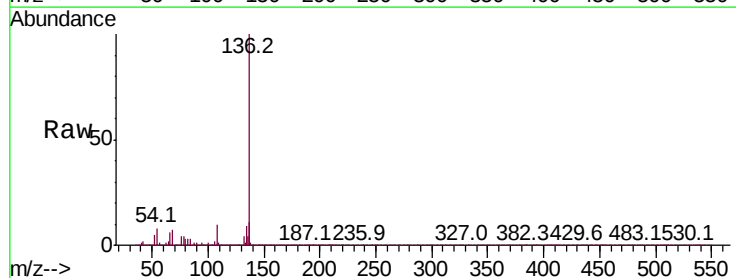
Delta R.T. 0.01 min

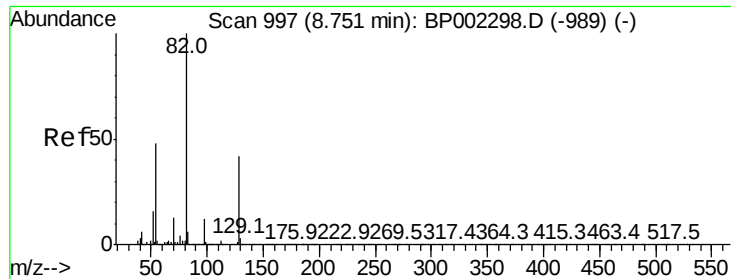
Lab File: BP002302.D

Acq: 28 May 2020 10:51

Tgt Ion: 136 Resp: 2514666

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.4	6.9	10.3
68	6.7	5.6	8.4

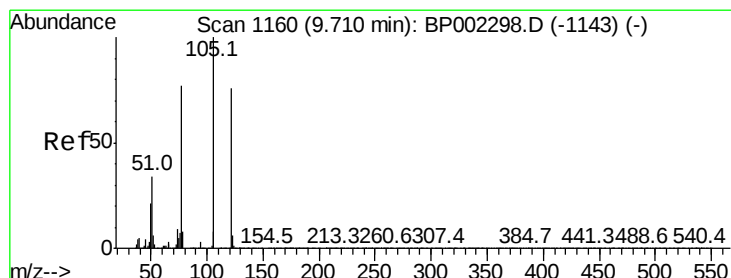
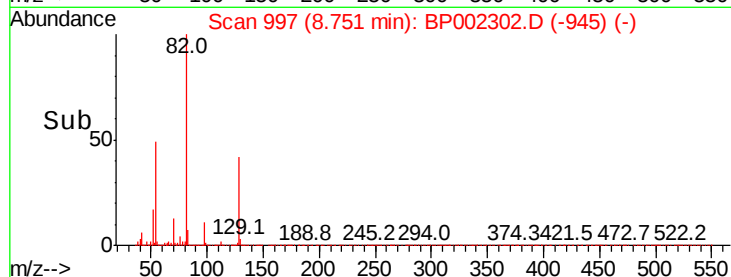
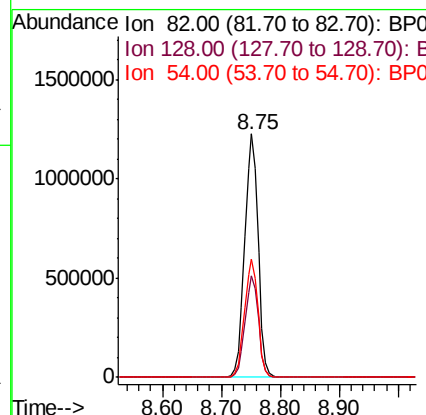
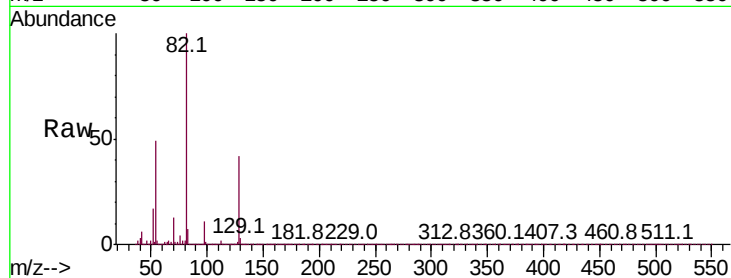




#23
Nitrobenzene-d5
Concen: 94.174 ng
RT: 8.75 min Scan# 997
Delta R.T. 0.01 min
Lab File: BP002302.D
Acq: 28 May 2020 10:51

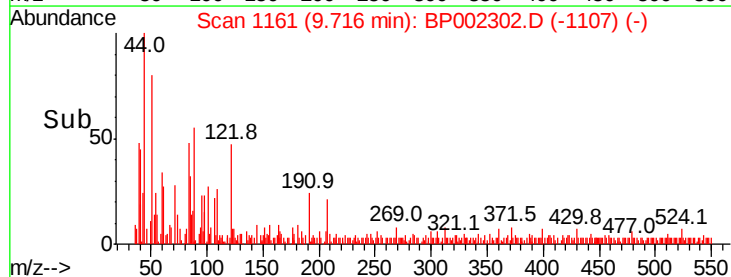
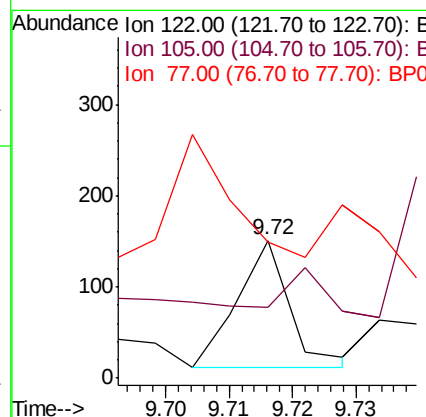
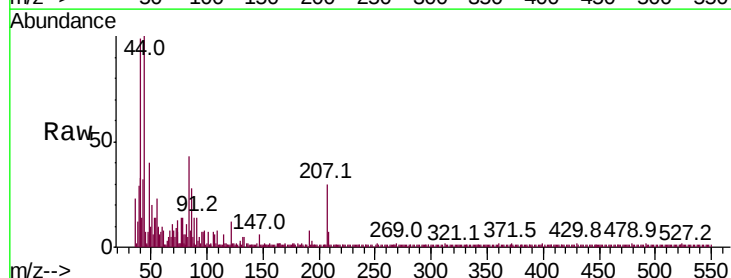
Instrument :
BNA_P
ClientSampleId :
NM41-COMP-2020-0-6

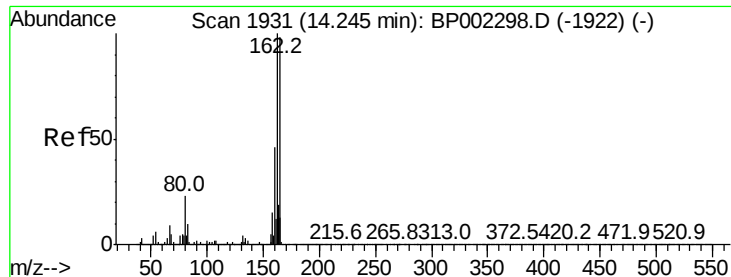
Tot Ion: 82 Resp: 1969453
Ion Ratio Lower Upper
82 100
128 41.6 33.4 50.0
54 48.6 38.3 57.5



#32
Benzoic acid
Concen: 9.625 ng
RT: 9.72 min Scan# 1161
Delta R.T. 0.02 min
Lab File: BP002302.D
Acq: 28 May 2020 10:51

Tgt Ion: 122 Resp: 79
Ion Ratio Lower Upper
122 100
105 51.7 102.7 142.7#
77 99.3 74.8 114.8





#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 14.25 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

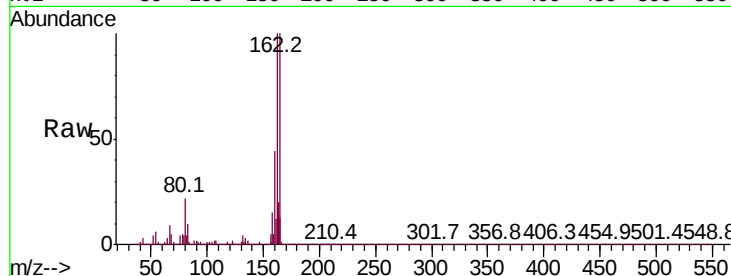
Tot Ion:164 Resp: 1494474

Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

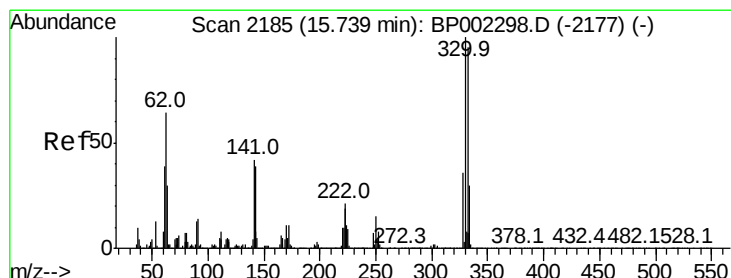
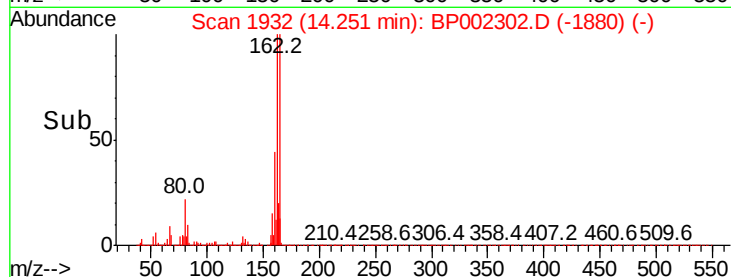
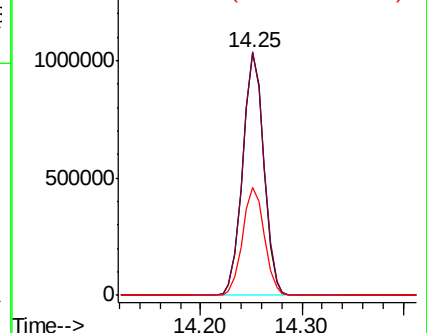
160 44.3 37.2 55.8



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: 130.738 ng

RT: 15.75 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

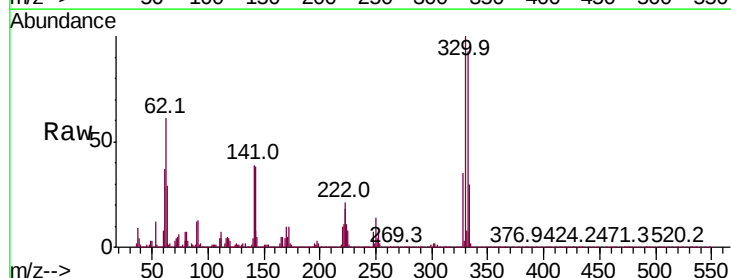
Tgt Ion:330 Resp: 925885

Ion Ratio Lower Upper

330 100

332 95.3 76.9 115.3

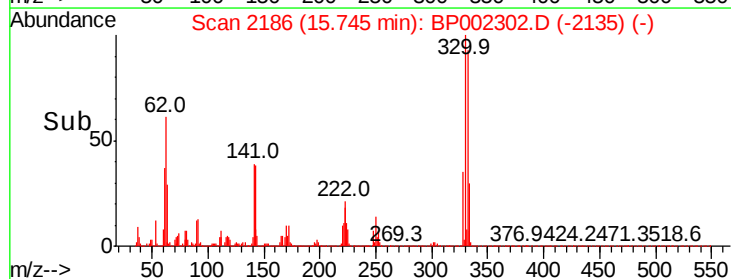
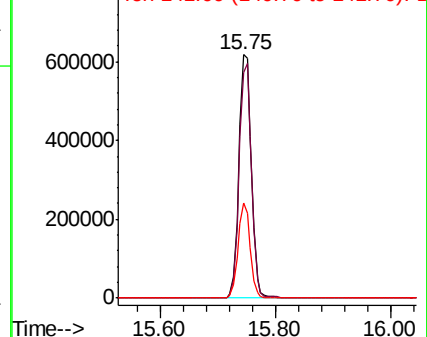
141 37.8 31.4 47.2

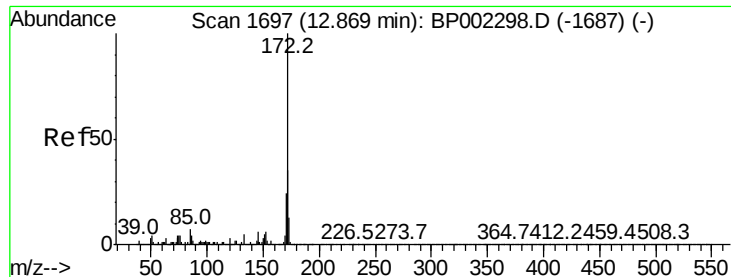


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

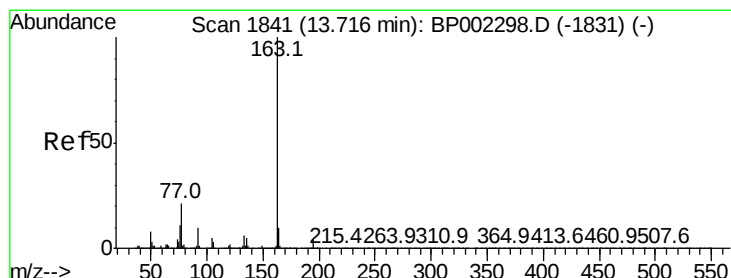
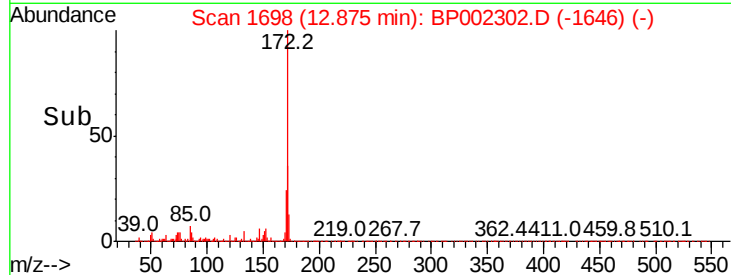
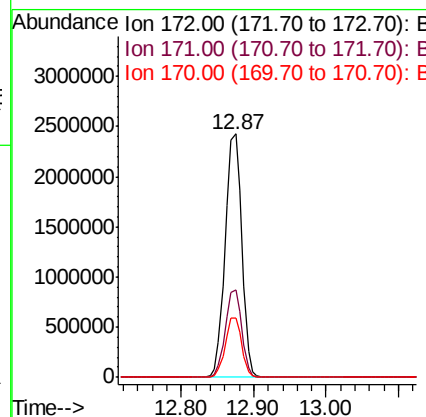
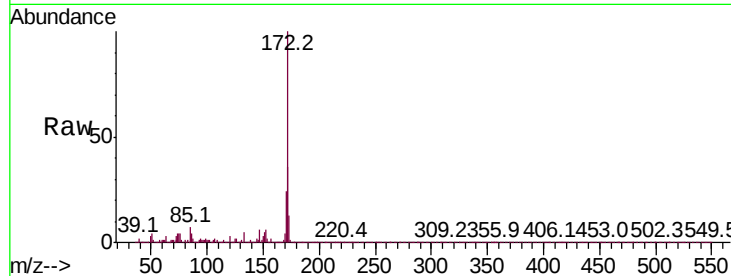




#45
2-Fluorobiphenyl
Concen: 91.695 ng
RT: 12.87 min Scan# 1698
Delta R.T. 0.01 min
Lab File: BP002302.D
Acq: 28 May 2020 10:51

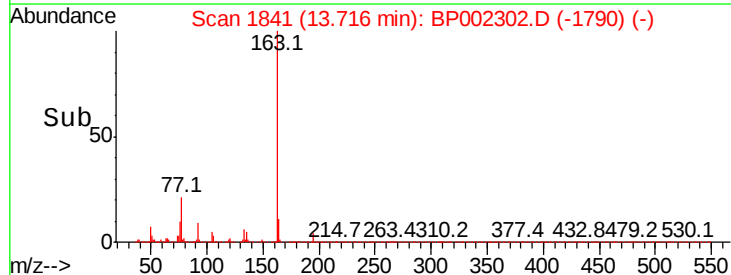
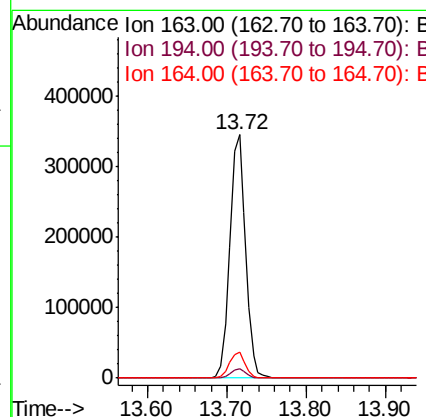
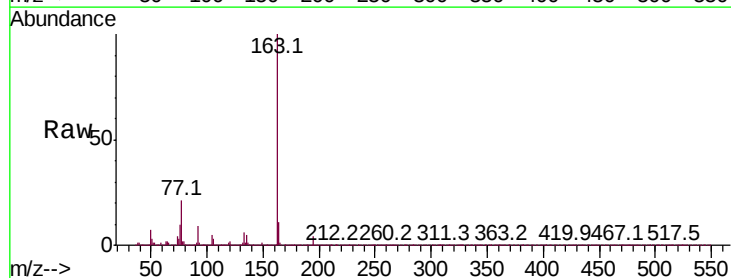
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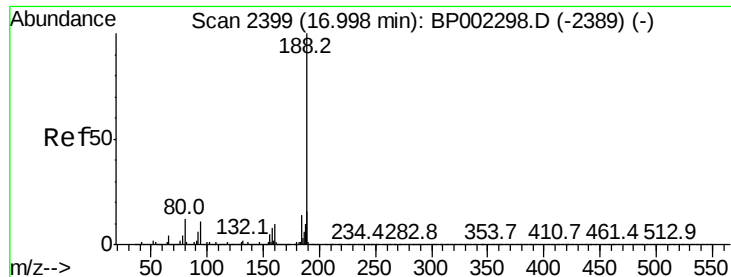
Tot Ion:172 Resp: 3883068
Ion Ratio Lower Upper
172 100
171 35.7 27.6 41.4
170 24.3 18.9 28.3



#50
Dimethylphthalate
Concen: 9.364 ng
RT: 13.72 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BP002302.D
Acq: 28 May 2020 10:51

Tgt Ion:163 Resp: 473609
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.5 8.1 12.1





#64

Phenanthrene-d10

Concen: 40.000 ng

RT: 17.00 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

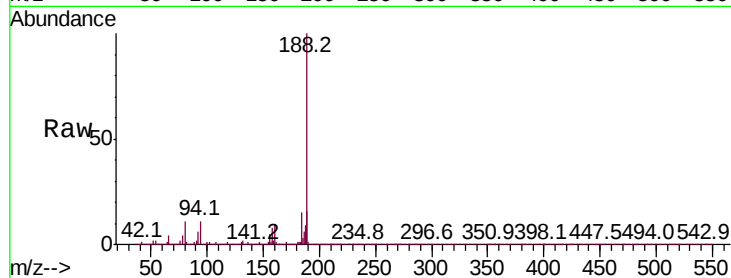
Tot Ion:188 Resp: 3097069

Ion Ratio Lower Upper

188 100

94 10.8 8.7 13.1

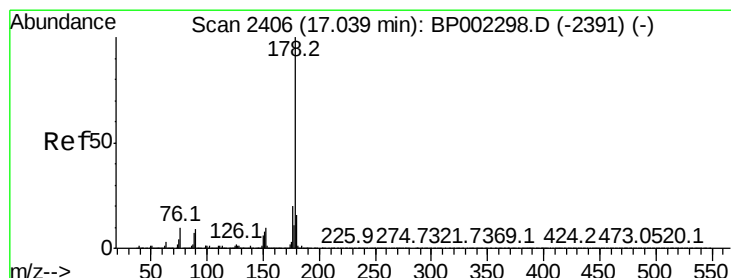
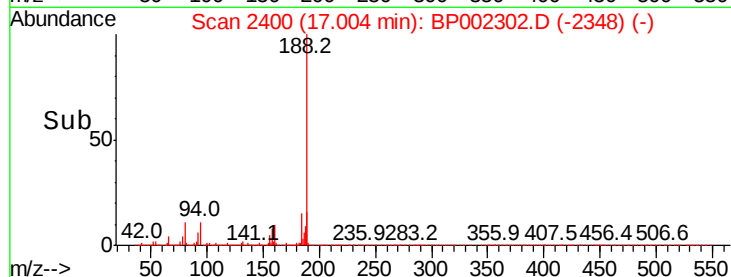
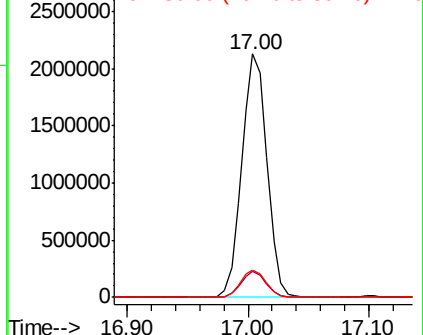
80 11.1 9.3 13.9



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: 5.210 ng

RT: 17.05 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

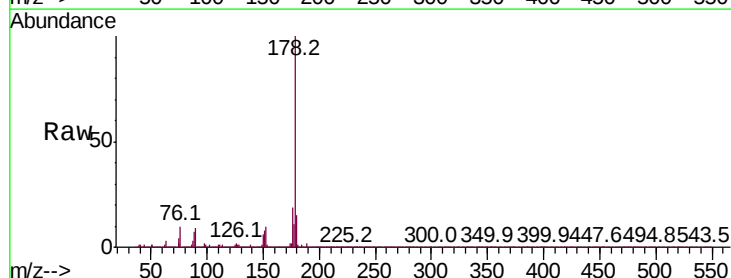
Tgt Ion:178 Resp: 382177

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

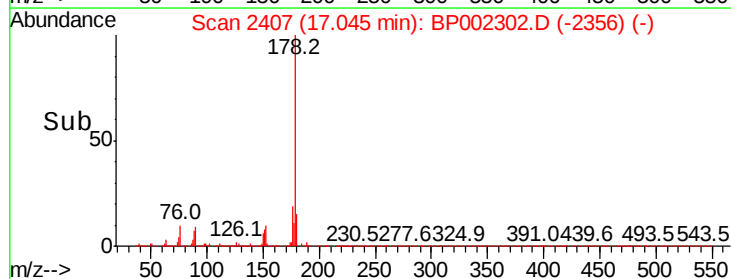
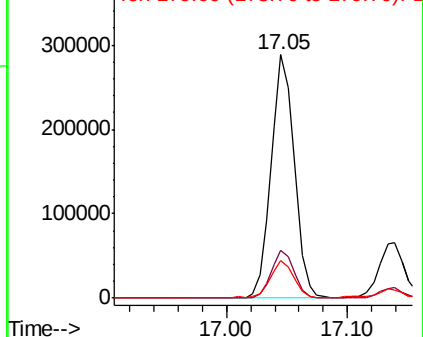
179 15.2 12.6 18.8

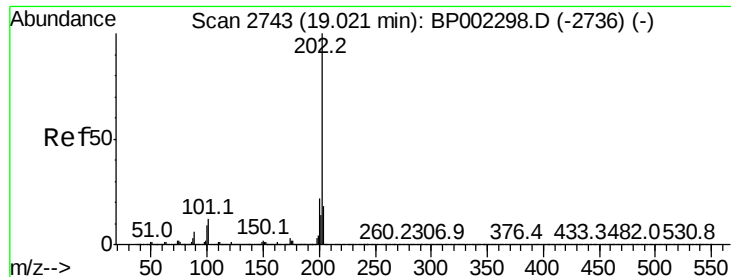


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.452 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

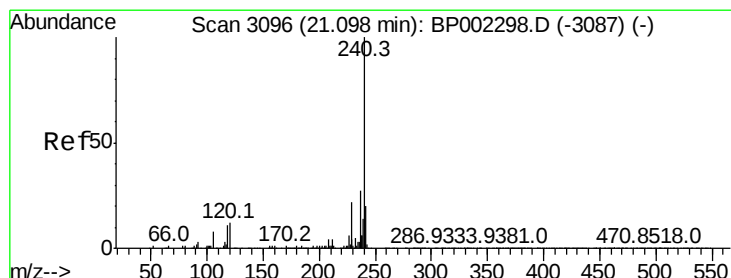
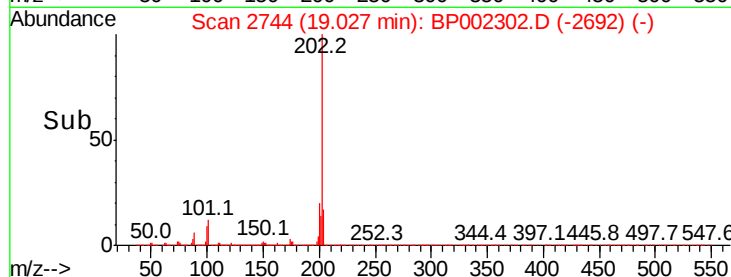
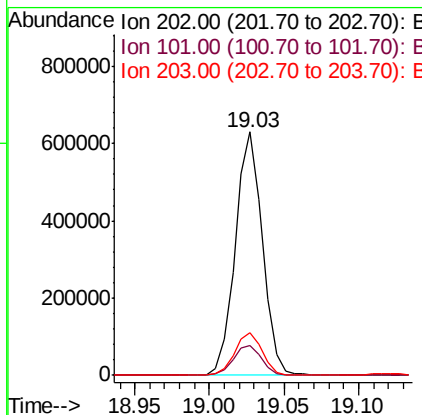
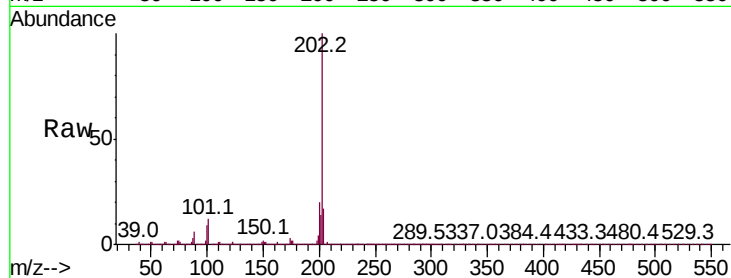
Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

Tot Ion:	202	Resp:	798569
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.1
203	17.4	0.0	37.6



#76

Chrysene-d12

Concen: 40.000 ng

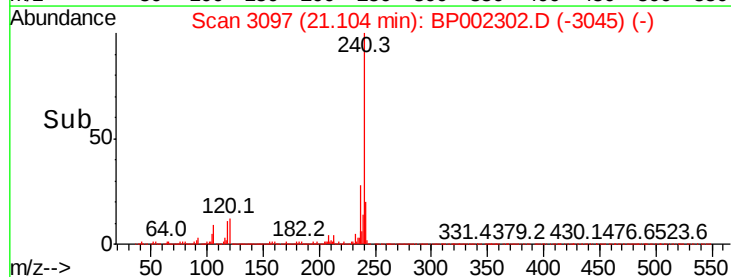
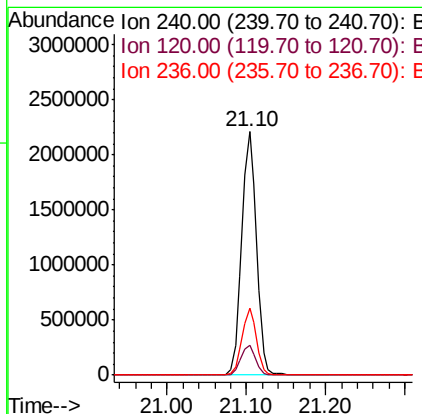
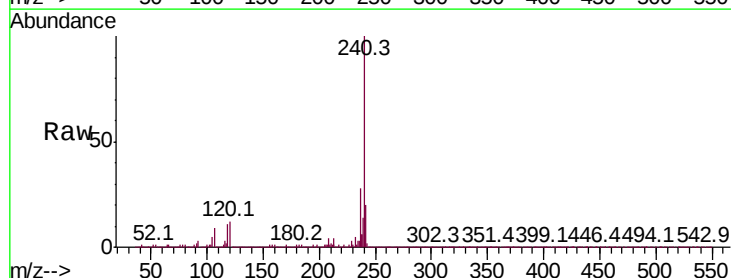
RT: 21.10 min Scan# 3097

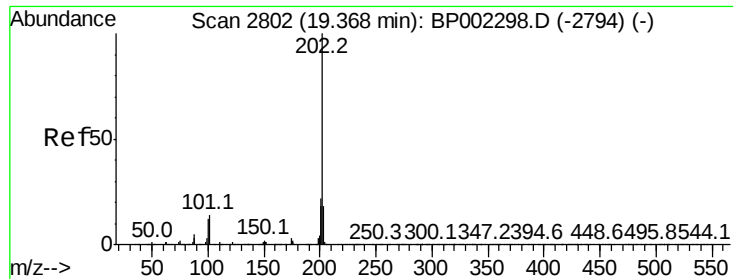
Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Tgt Ion:	240	Resp:	2864416
Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.7	13.1
236	27.5	21.0	31.4





#78

Pvrene

Concen: 8.074 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

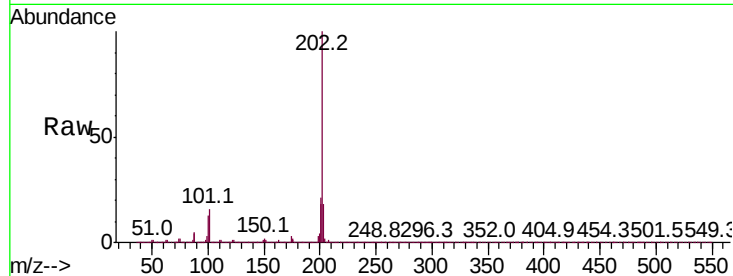
Tot Ion:202 Resp: 720054

Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

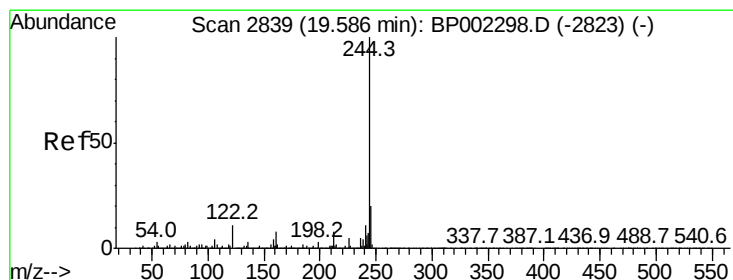
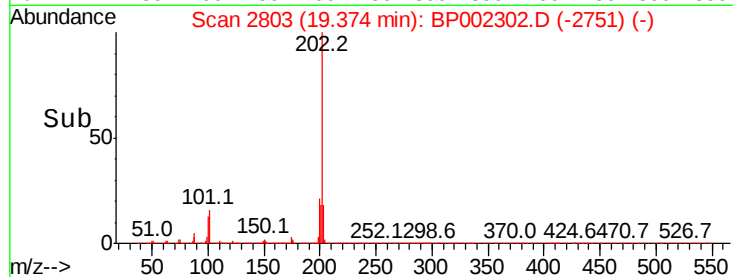
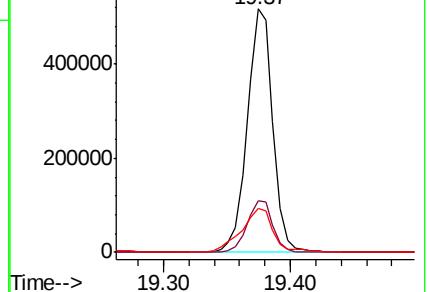
203 17.9 13.8 20.6



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: 85.237 ng

RT: 19.59 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

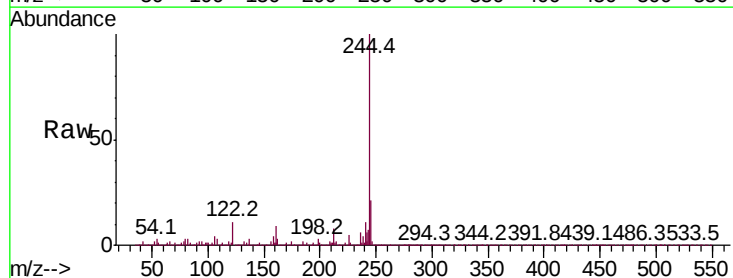
Tgt Ion:244 Resp: 5040959

Ion Ratio Lower Upper

244 100

212 8.4 6.4 9.6

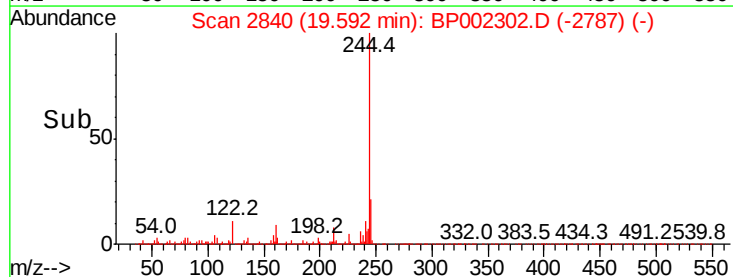
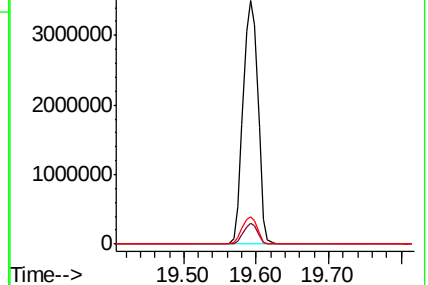
122 11.3 9.4 14.0

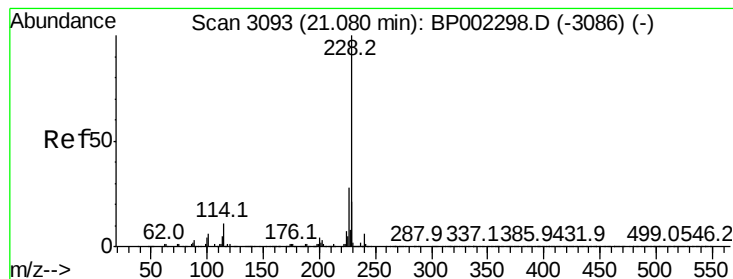


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.905 ng

RT: 21.09 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

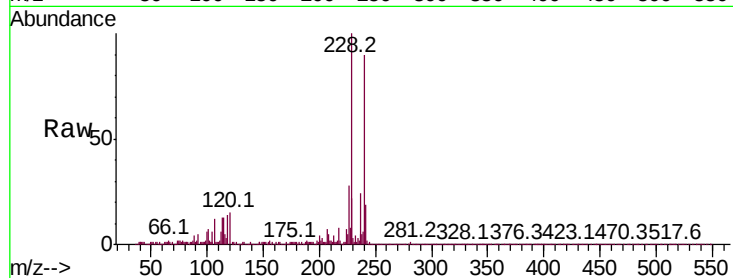
Tot Ion:228 Resp: 402106

Ion Ratio Lower Upper

228 100

226 28.2 22.7 34.1

229 21.5 16.3 24.5

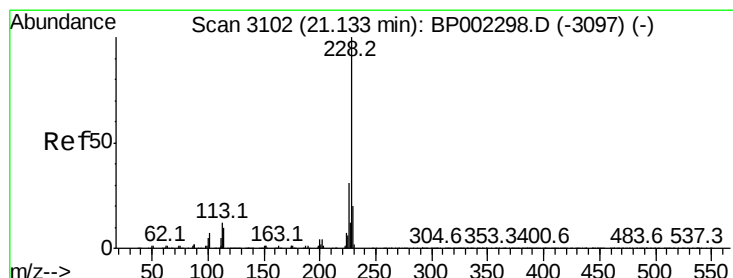
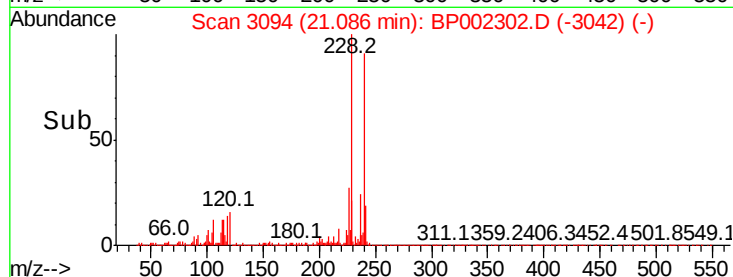
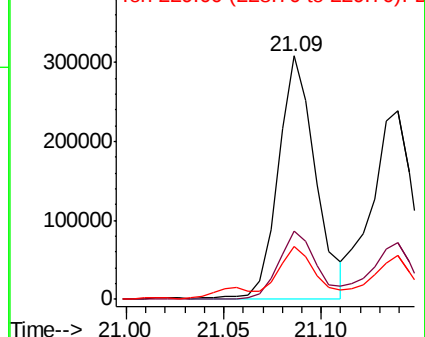


Abundance

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



#83

Chrysene

Concen: 4.444 ng

RT: 21.14 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

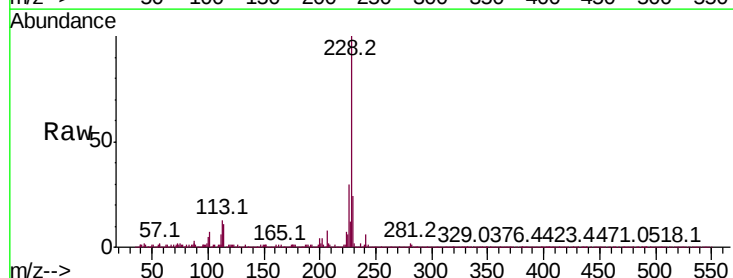
Tgt Ion:228 Resp: 349638

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

229 23.5 16.2 24.4

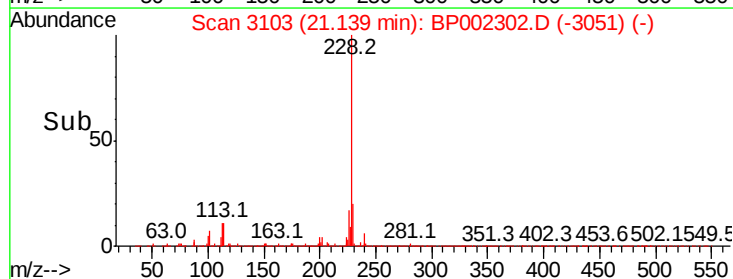
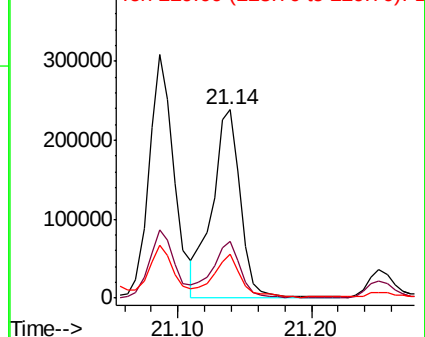


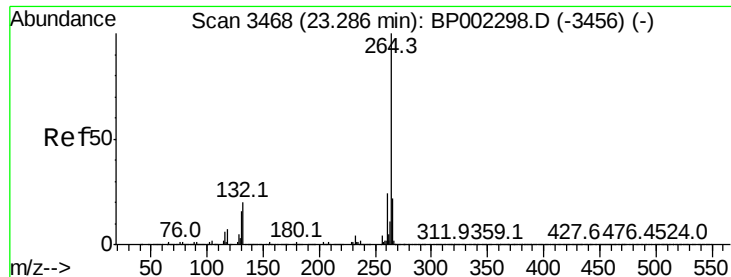
Abundance

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: 40.000 ng

RT: 23.30 min Scan# 3471

Delta R.T. 0.02 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

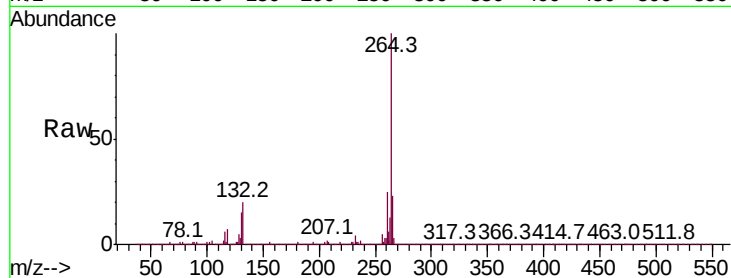
Tot Ion:264 Resp: 3117507

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	22.7	17.8	26.6

264 100

260 25.2 19.4 29.2

265 22.7 17.8 26.6

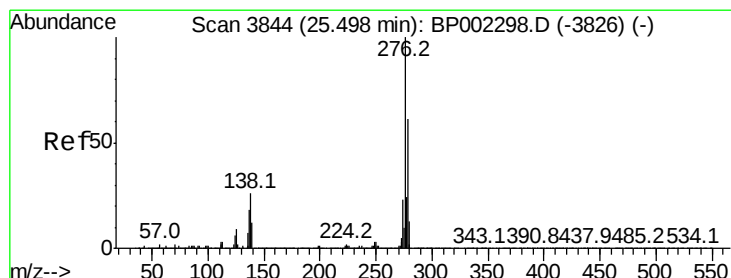
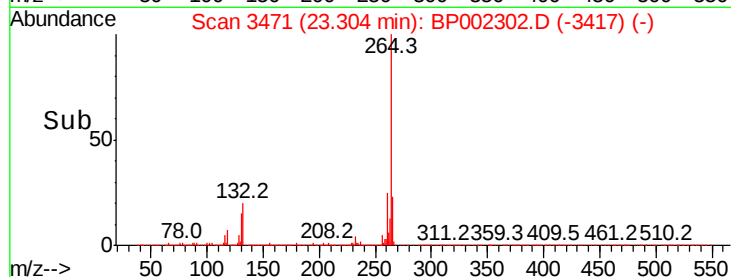
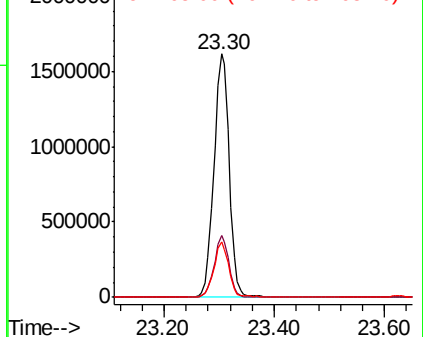


Abundance

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: 2.180 ng

RT: 25.50 min Scan# 3845

Delta R.T. -0.00 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

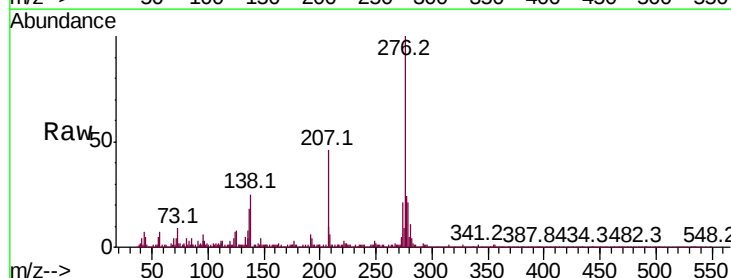
Tgt Ion:276 Resp: 210304

Ion	Ratio	Lower	Upper
276	100		
138	25.4	18.2	27.4
277	24.0	20.2	30.2

276 100

138 25.4 18.2 27.4

277 24.0 20.2 30.2

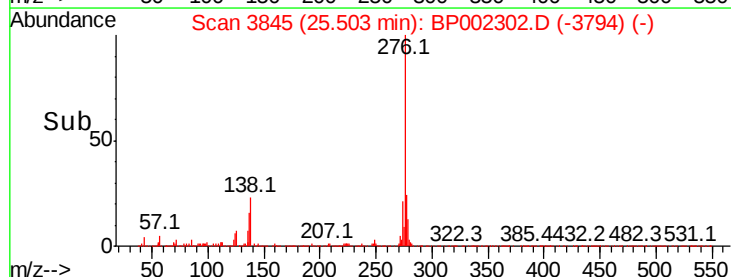
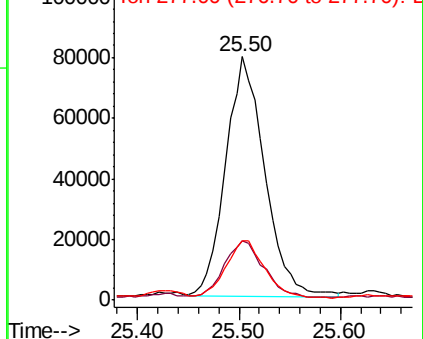


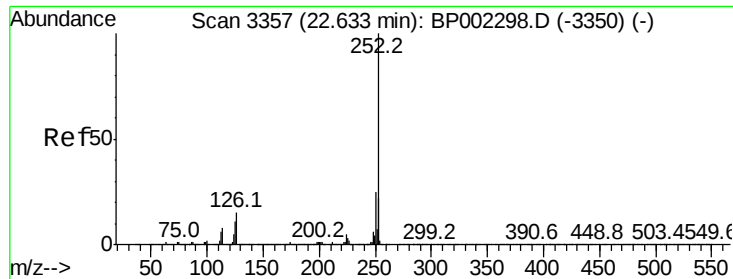
Abundance

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: 5.605 ng

RT: 22.64 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

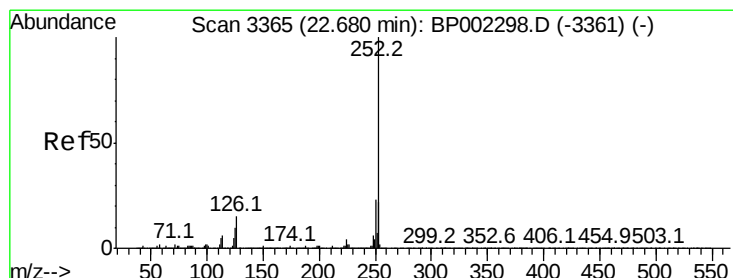
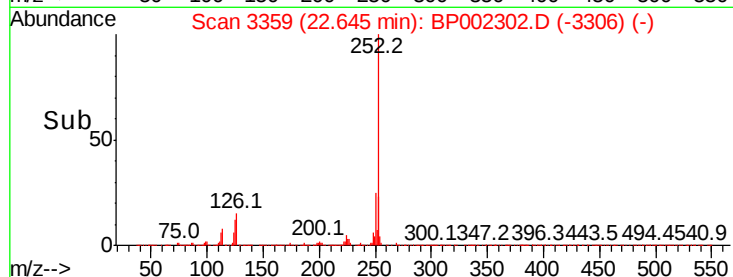
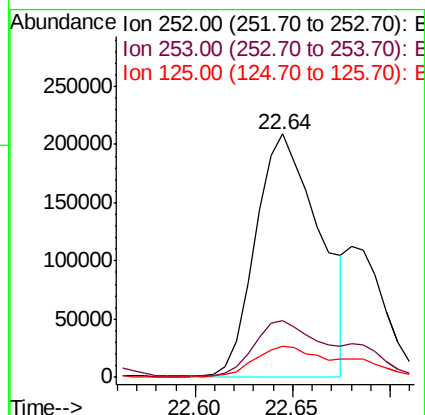
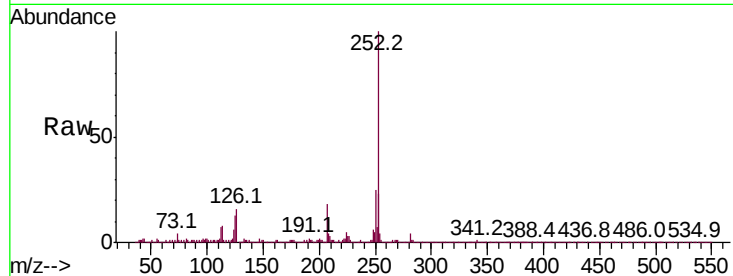
Tot Ion:252 Resp: 476290

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 12.6 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 5.840 ng

RT: 22.64 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

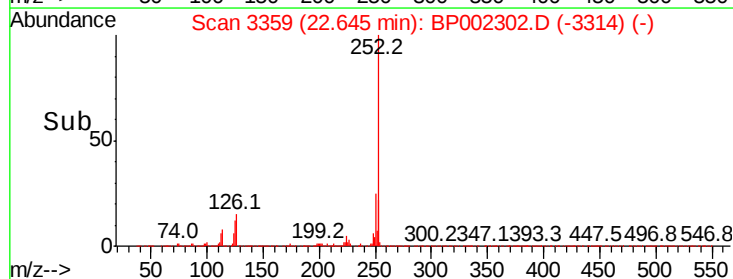
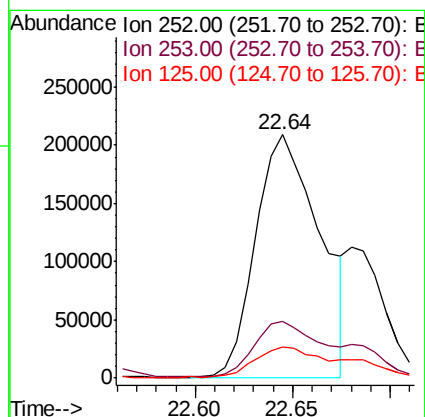
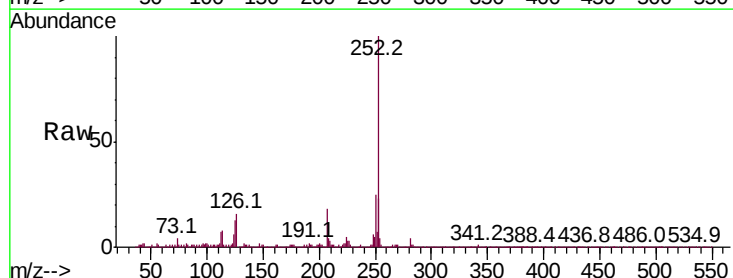
Tgt Ion:252 Resp: 476290

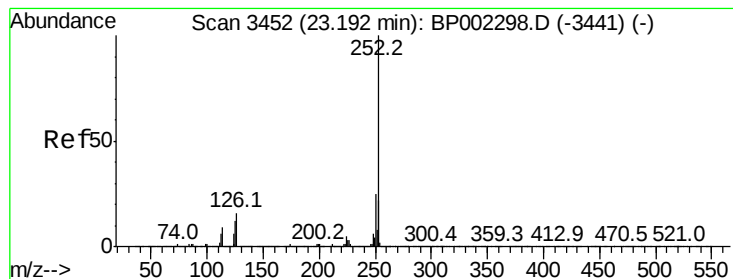
Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 12.6 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.373 ng

RT: 23.20 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

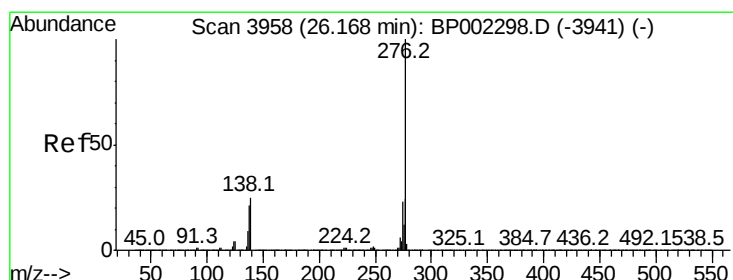
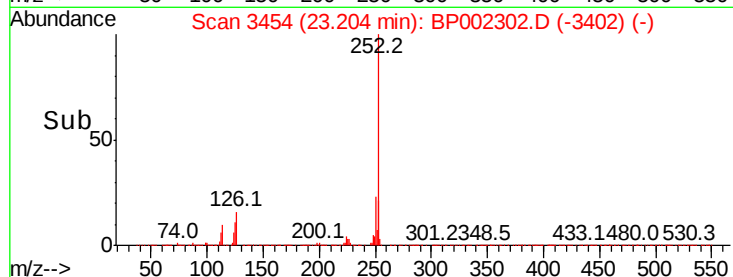
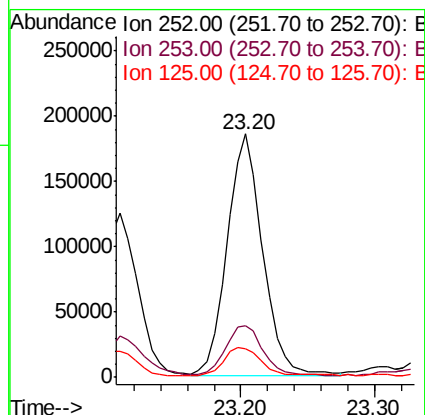
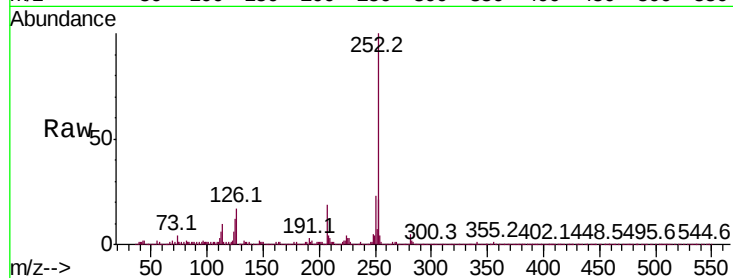
Instrument :

BNA_P

ClientSampleId :

NM41-COMP-2020-0-6

Tot Ion:	252	Resp:	344752
Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.0	27.0
125	11.6	8.4	12.6



#92

Benzo(g,h,i)perylene

Concen: 2.571 ng

RT: 26.17 min Scan# 3959

Delta R.T. -0.00 min

Lab File: BP002302.D

Acq: 28 May 2020 10:51

Tgt Ion:	276	Resp:	206290
Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	24.3	16.0	24.0#

