

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP052820\
 Data File : BP002304.D
 Acq On : 28 May 2020 11:59
 Operator : CG/JU
 Sample : L2744-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NM42-COMP-2020-0-6

Quant Time: May 28 12:40:14 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	7.60	152	312310	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1268931	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	729262	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1486856	20.00	ng	0.00
76) Chrysene-d12	21.10	240	1356827	20.00	ng	0.00
86) Perylene-d12	23.29	264	1428184	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	1520585	91.44	ng	0.00
7) Phenol-d6	6.79	99	2138656	94.54	ng	0.00
23) Nitrobenzene-d5	8.75	82	1476383	69.95	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	657811	95.17	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	3024797	73.19	ng	0.00
79) Terphenyl-d14	19.59	244	3872096	69.11	ng	0.00

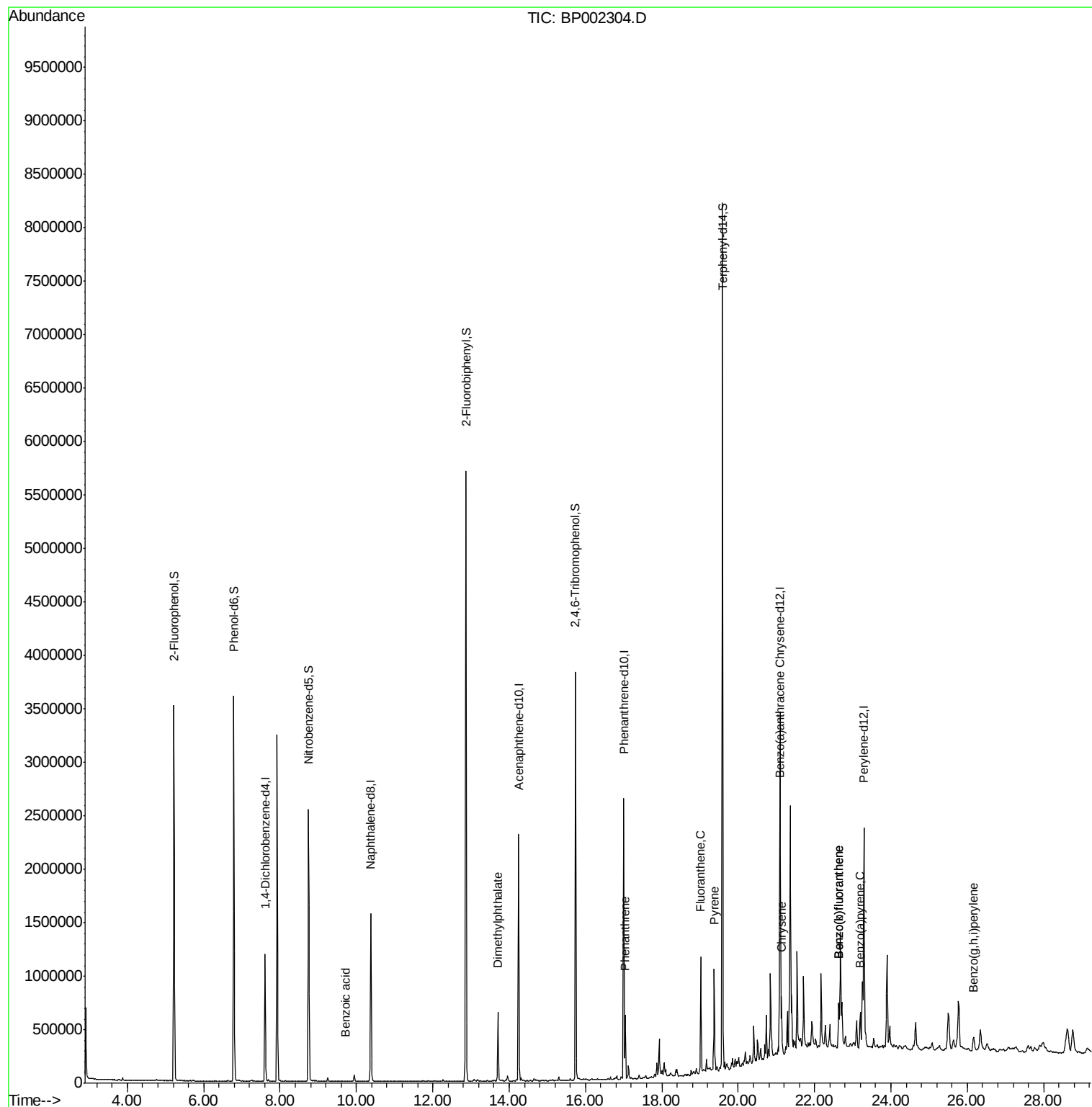
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.72	122	132	4.819	ng	# 1
50) Dimethylphthalate	13.71	163	401262	8.129	ng	99
71) Phenanthrene	17.04	178	337433	4.791	ng	98
75) Fluoranthene	19.02	202	605513	7.465	ng	99
78) Pyrene	19.37	202	534847	6.330	ng	100
81) Benzo(a)anthracene	21.08	228	284650	3.665	ng	95
83) Chrysene	21.13	228	257931	3.460	ng	98
88) Benzo(b)fluoranthene	22.64	252	343087	4.406	ng	# 96
89) Benzo(k)fluoranthene	22.64	252	343087	4.592	ng	# 96
90) Benzo(a)pyrene	23.19	252	235983	3.267	ng	# 97
92) Benzo(g,h,i)perylene	26.17	276	161327	2.194	ng	# 92

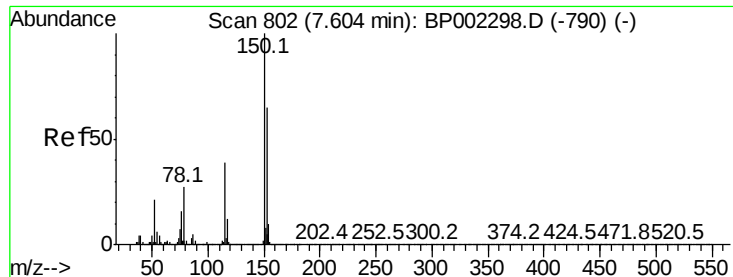
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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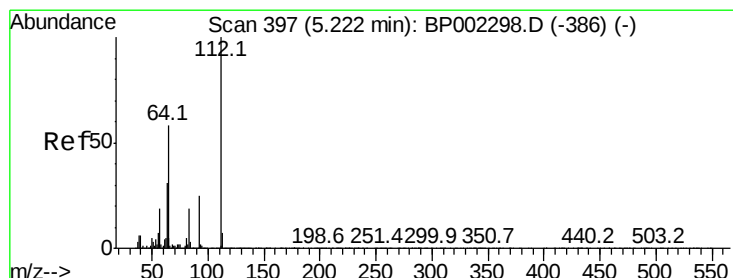
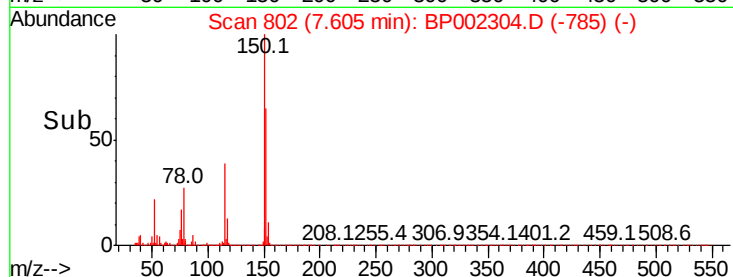
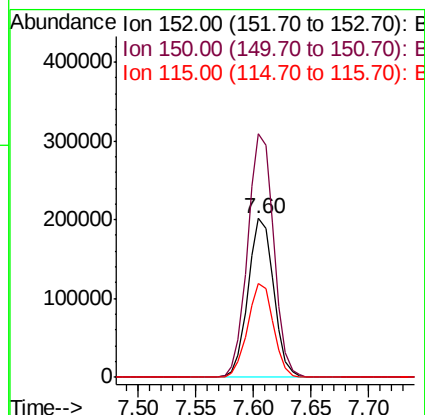
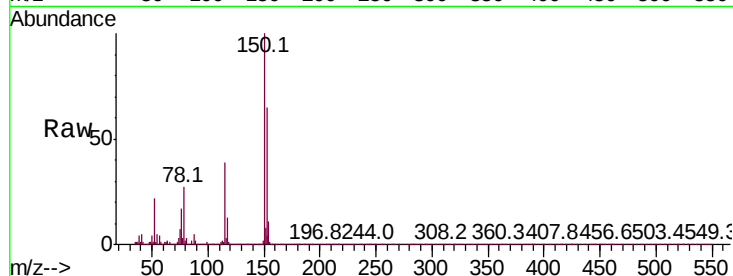


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. -0.00 min
Lab File: BP002304.D
Acq: 28 May 2020 11:59

Instrument :
BNA_P
ClientSampleId :
NM42-COMP-2020-0-6

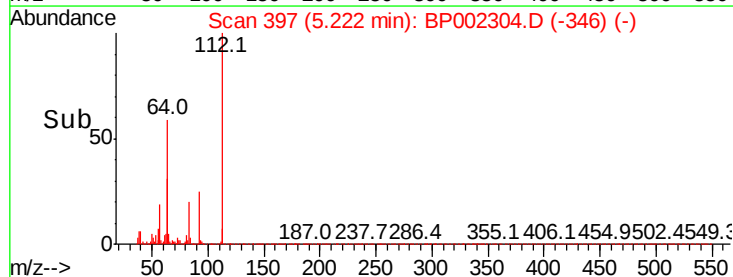
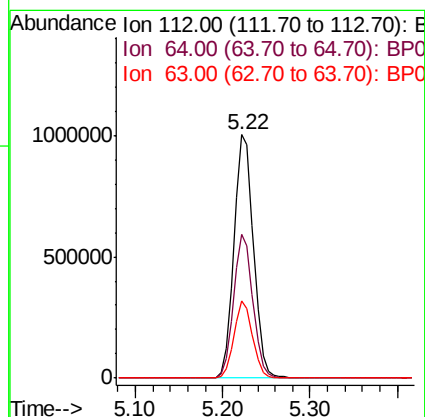
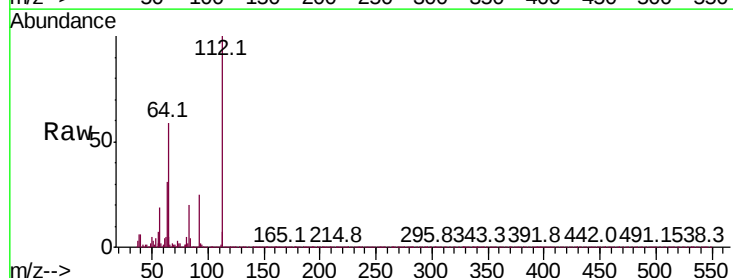
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.7	187.1
115	59.1	49.4	74.2

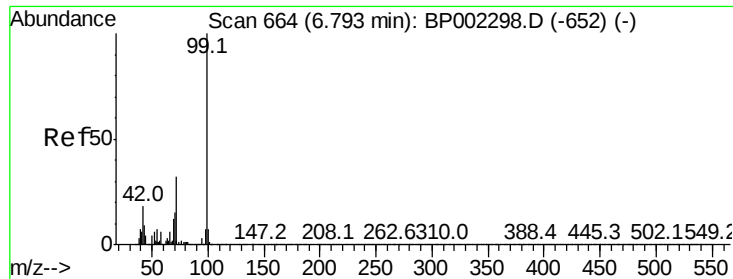


#5

2-Fluorophenol
Concen: 91.443 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002304.D
Acq: 28 May 2020 11:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.0	70.4
63	31.5	24.0	36.0





#7

Phenol-d6

Concen: 94.545 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.00 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Instrument :

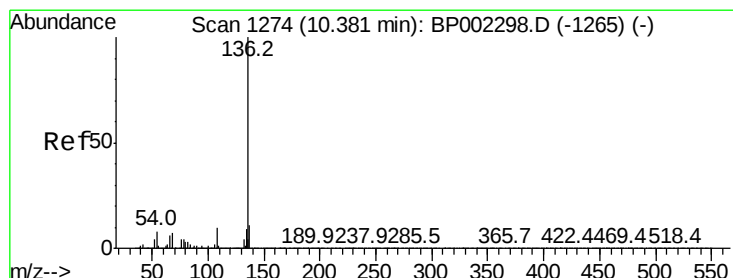
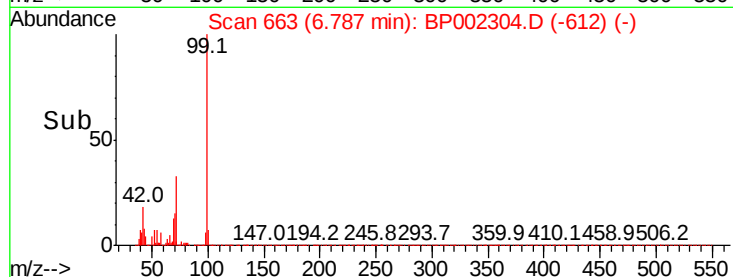
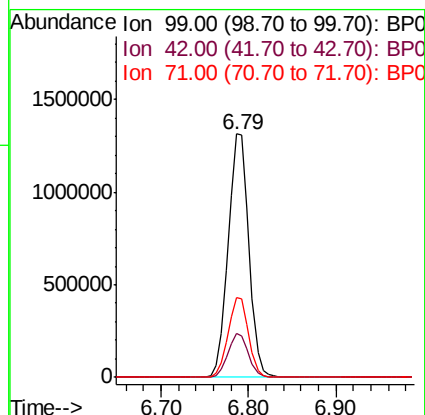
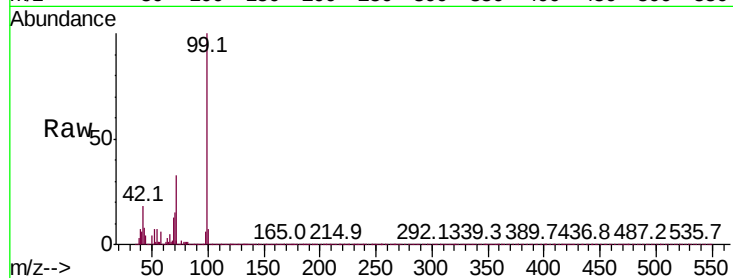
BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

Tot Ion: 99 Resp: 2138656

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.9	20.9
71	32.8	25.8	38.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1273

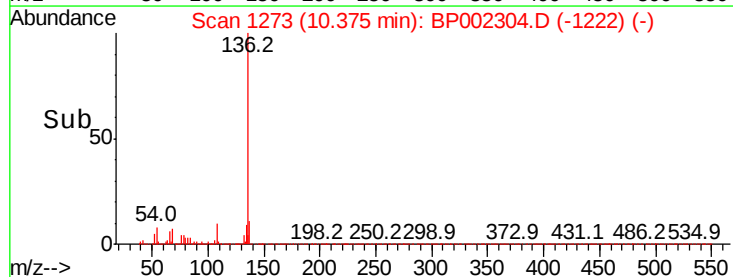
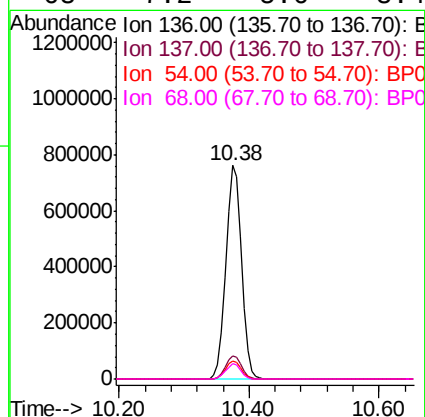
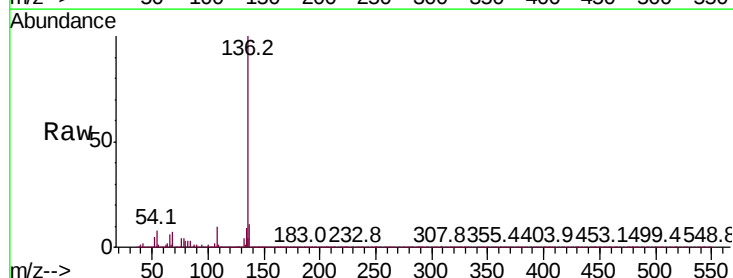
Delta R.T. -0.00 min

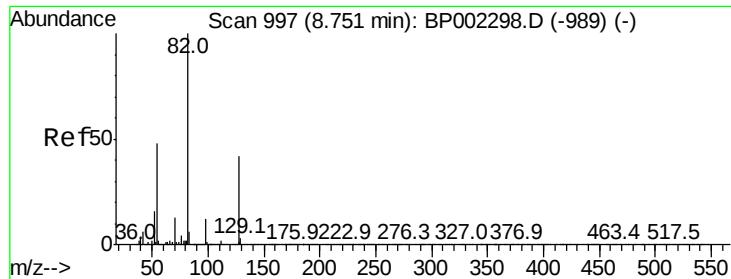
Lab File: BP002304.D

Acq: 28 May 2020 11:59

Tgt Ion: 136 Resp: 1268931

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.5	6.9	10.3
68	7.2	5.6	8.4



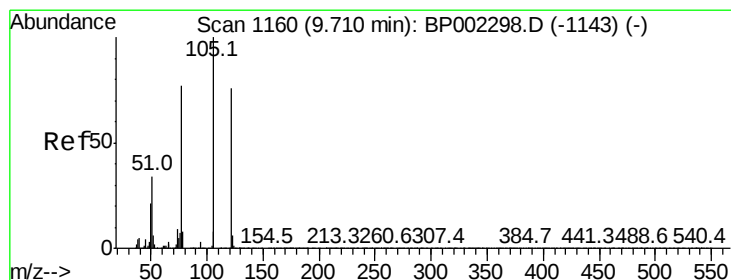
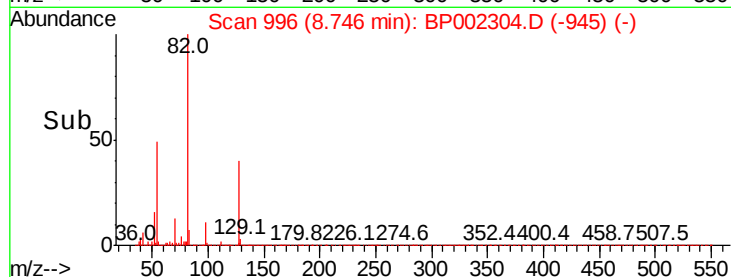
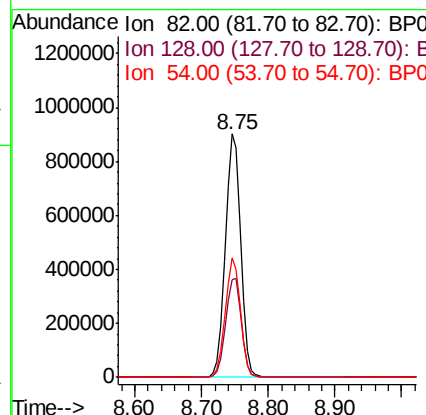
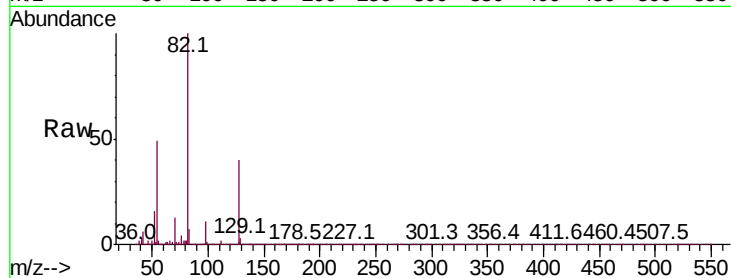


#23
 Nitrobenzene-d5
 Concen: 69.952 ng
 RT: 8.75 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BP002304.D
 Acq: 28 May 2020 11:59

Instrument :
 BNA_P
 ClientSampleId :
 NM42-COMP-2020-0-6

Tot Ion: 82 Resp: 1476383

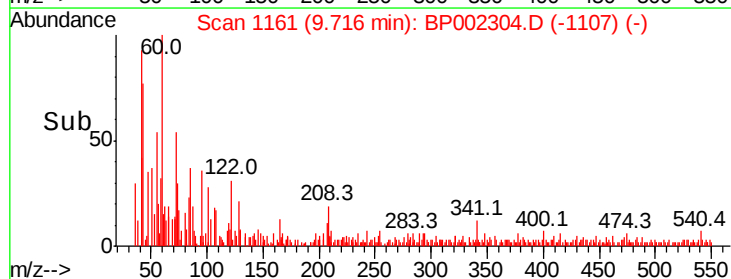
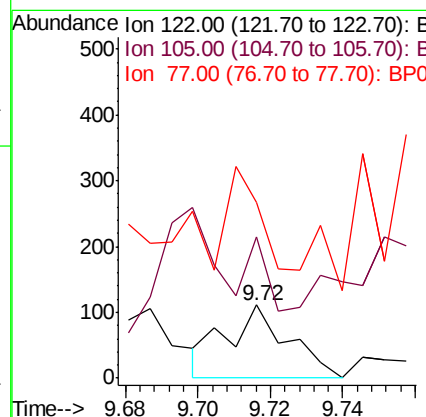
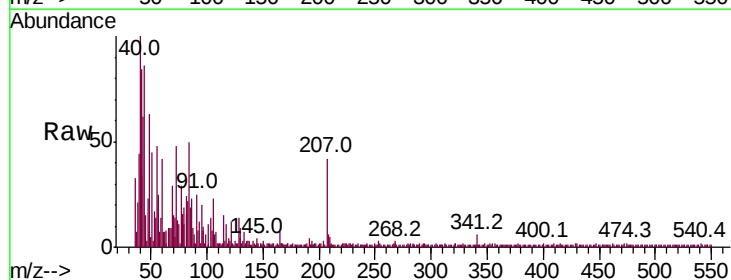
Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.4	50.0
54	48.8	38.3	57.5

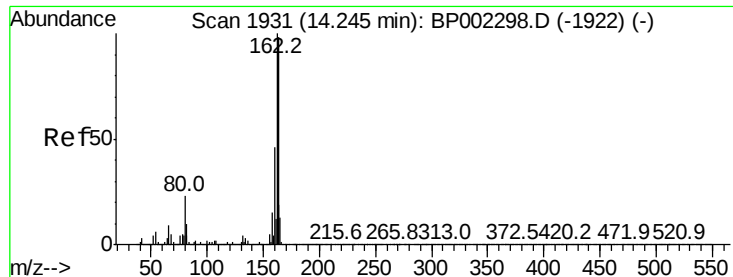


#32
 Benzoic acid
 Concen: 4.819 ng
 RT: 9.72 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: BP002304.D
 Acq: 28 May 2020 11:59

Tgt Ion: 122 Resp: 132

Ion	Ratio	Lower	Upper
122	100		
105	192.8	102.7	142.7#
77	241.4	74.8	114.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.25 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Instrument :

BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

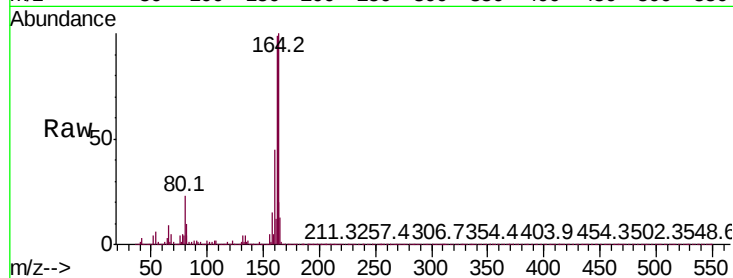
Tot Ion:164 Resp: 729262

Ion Ratio Lower Upper

164 100

162 99.3 81.3 121.9

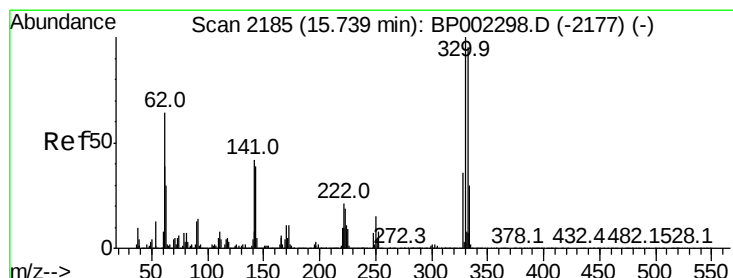
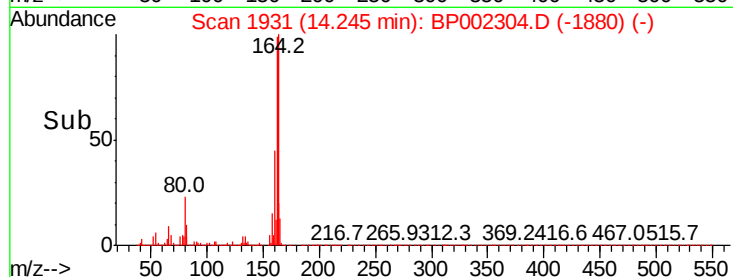
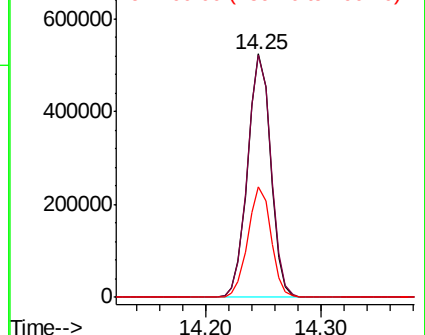
160 45.2 37.2 55.8



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: 95.175 ng

RT: 15.74 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

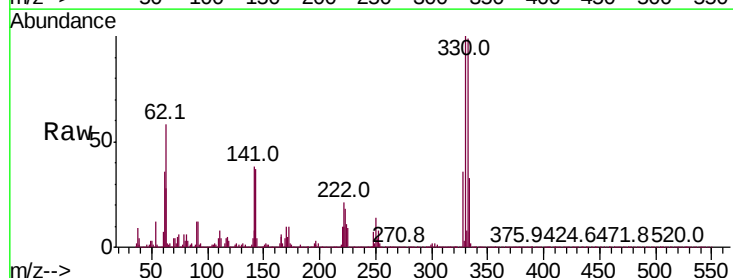
Tgt Ion:330 Resp: 657811

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

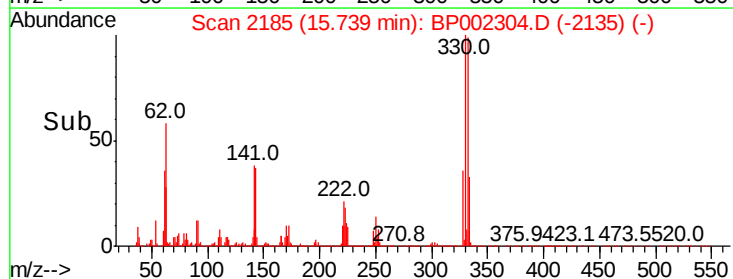
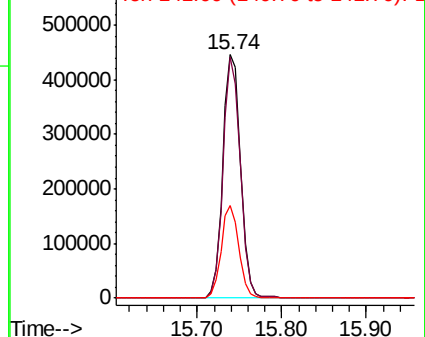
141 38.0 31.4 47.2

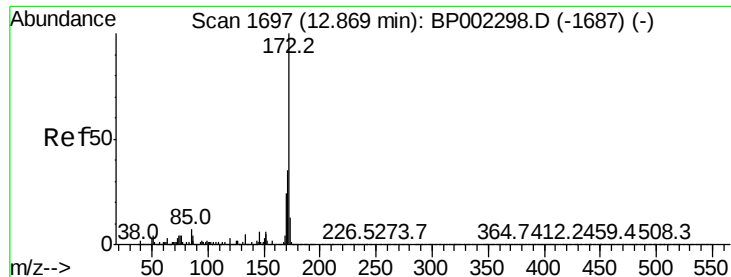


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 73.189 ng

RT: 12.87 min Scan# 1697

Delta R.T. -0.00 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Instrument :

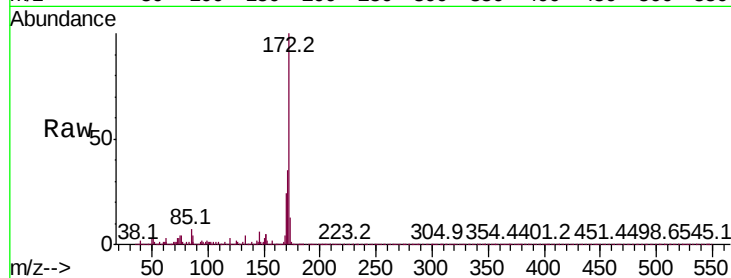
BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

Tot Ion:172 Resp: 3024797

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.6	41.4
170	23.9	18.9	28.3

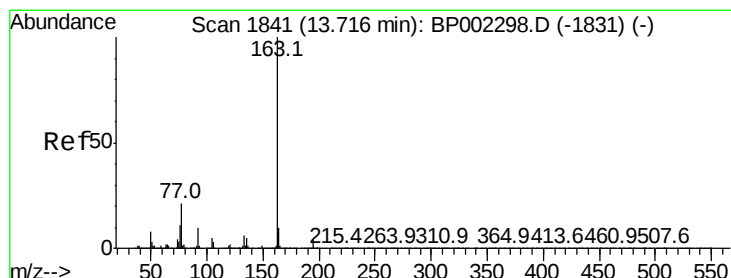
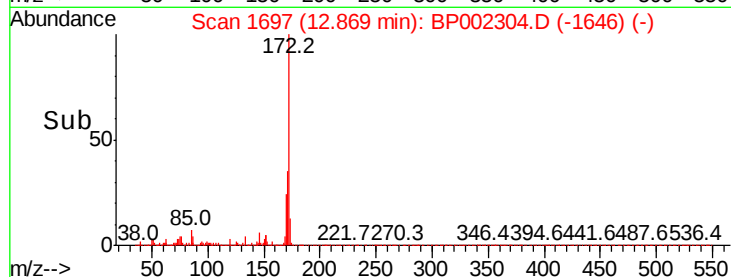
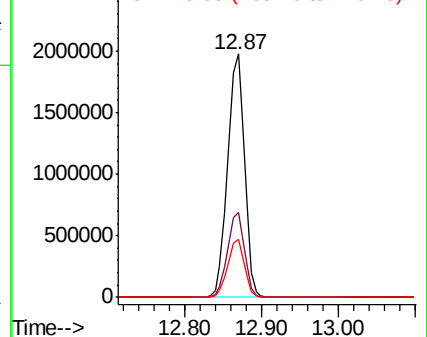


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 8.129 ng

RT: 13.71 min Scan# 1840

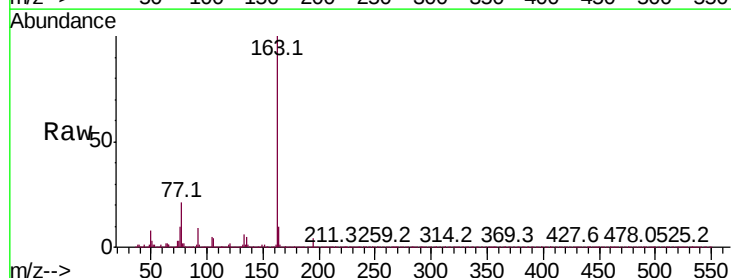
Delta R.T. -0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Tgt Ion:163 Resp: 401262

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.4	8.1	12.1

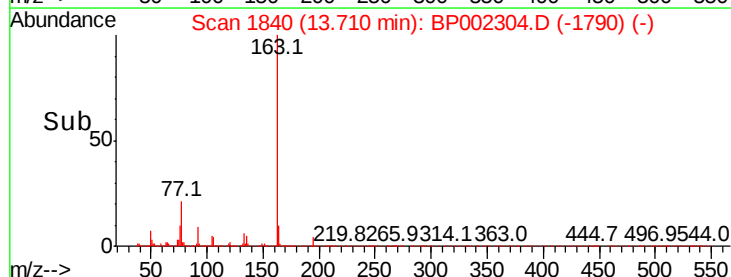
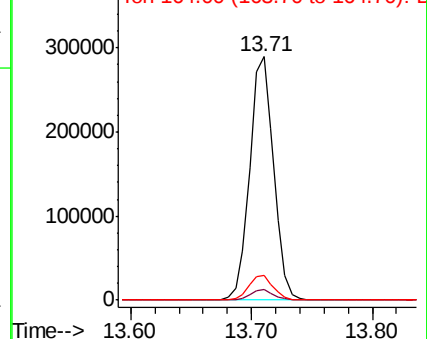


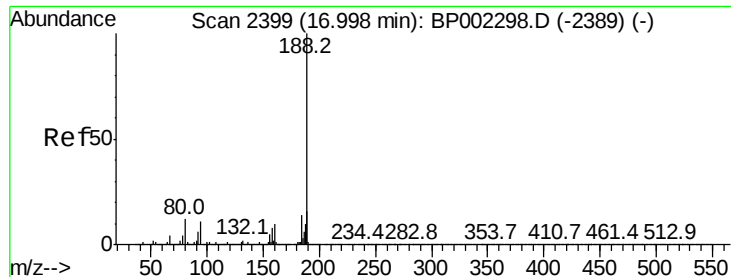
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Instrument :

BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

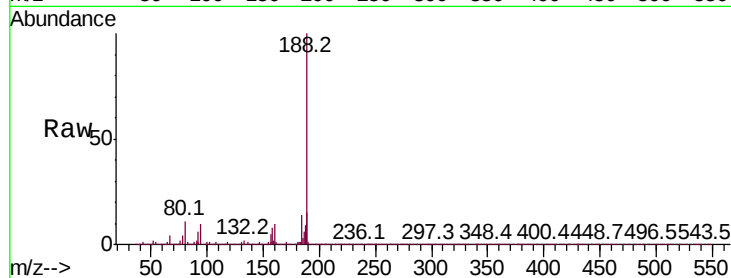
Tot Ion:188 Resp: 1486856

Ion Ratio Lower Upper

188 100

94 10.1 8.7 13.1

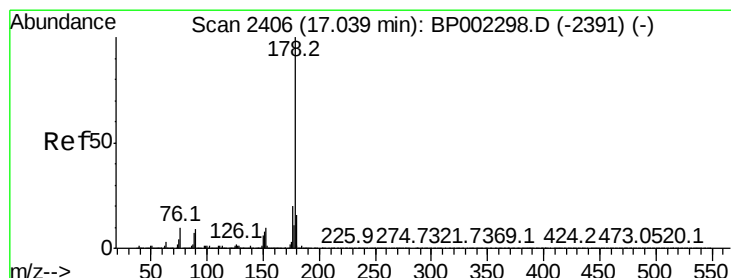
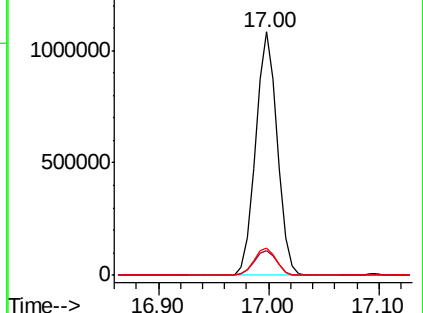
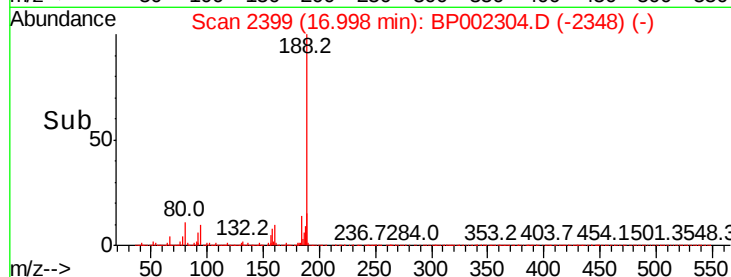
80 11.3 9.3 13.9



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: 4.791 ng

RT: 17.04 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

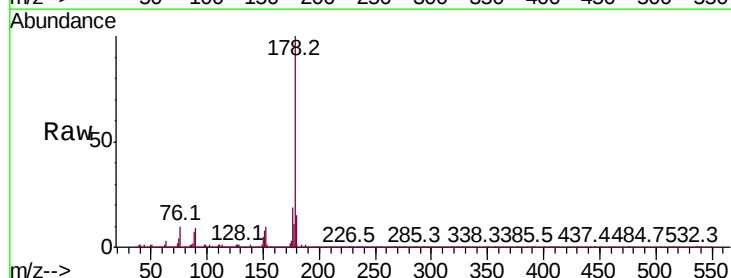
Tgt Ion:178 Resp: 337433

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

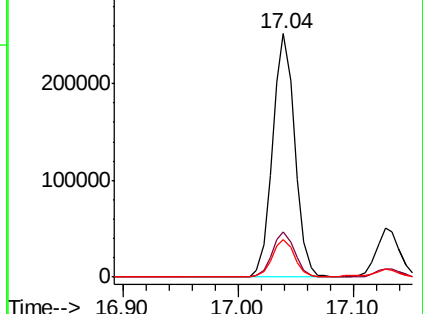
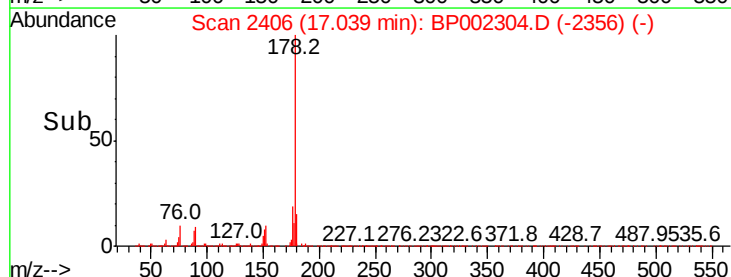
179 15.2 12.6 18.8

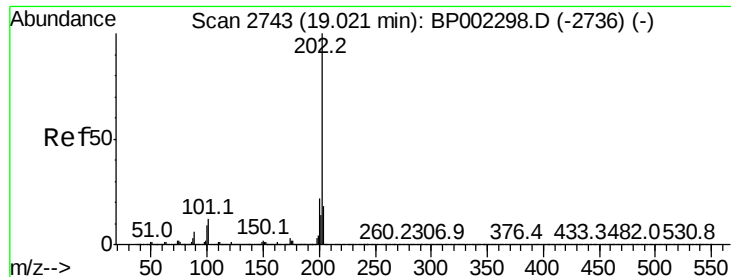


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.465 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

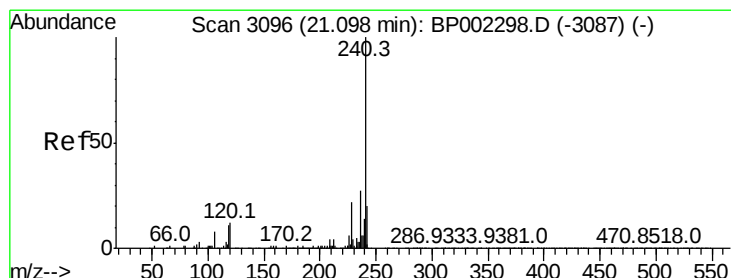
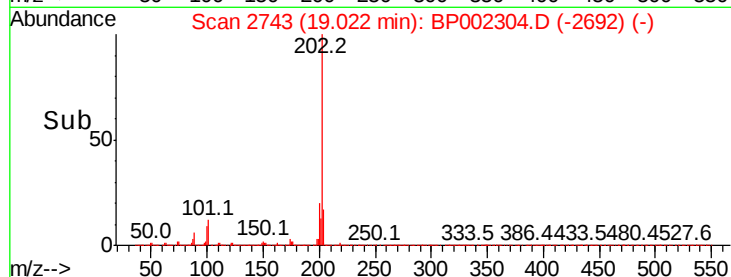
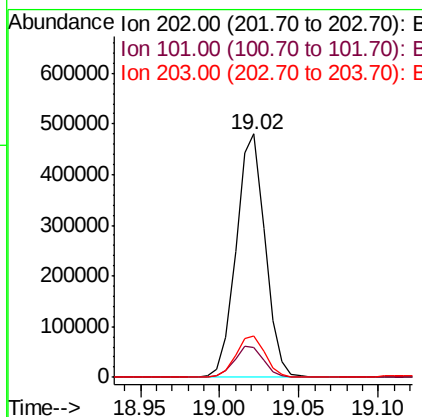
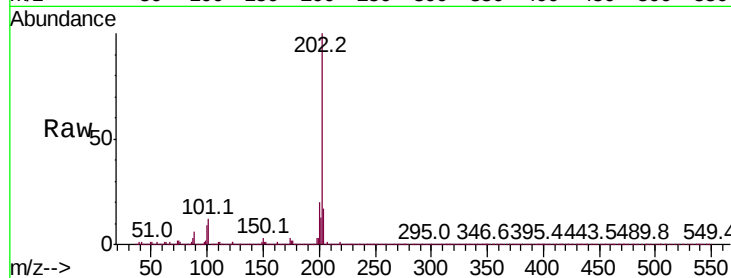
Instrument :

BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

Tot Ion:	202	Resp:	605513
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.1
203	17.0	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

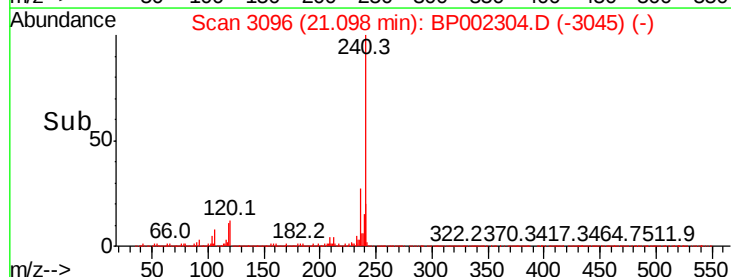
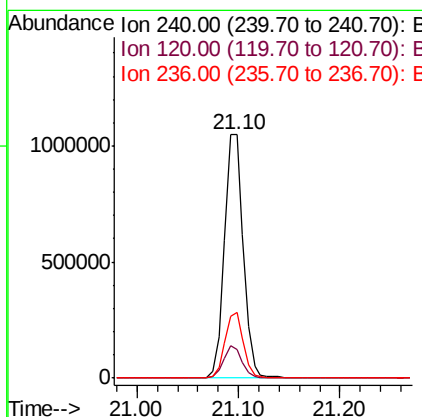
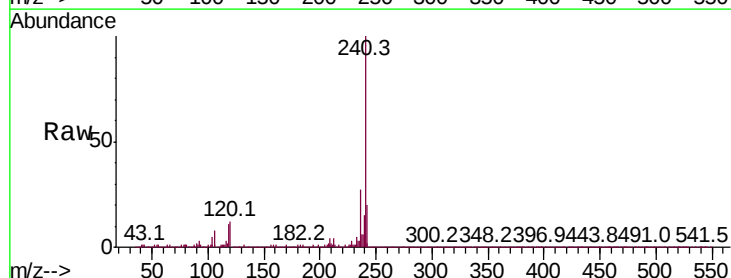
RT: 21.10 min Scan# 3096

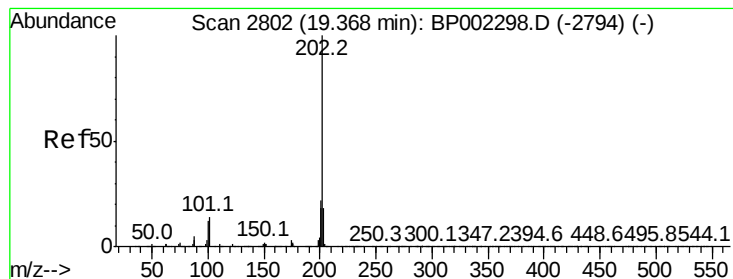
Delta R.T. -0.00 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Tgt Ion:	240	Resp:	1356827
Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.7	13.1
236	26.8	21.0	31.4





#78

Pvrene

Concen: 6.330 ng

RT: 19.37 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Instrument :

BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

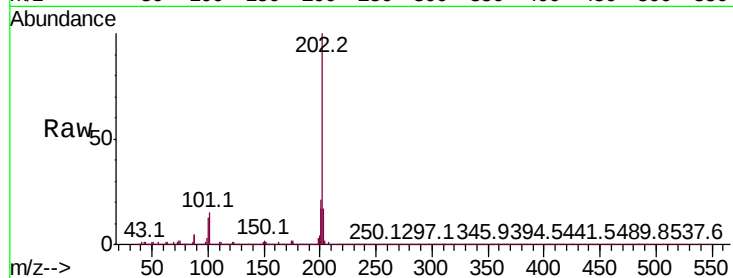
Tot Ion:202 Resp: 534847

Ion Ratio Lower Upper

202 100

200 21.5 17.3 25.9

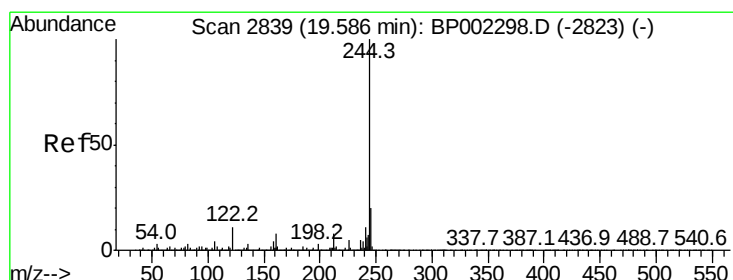
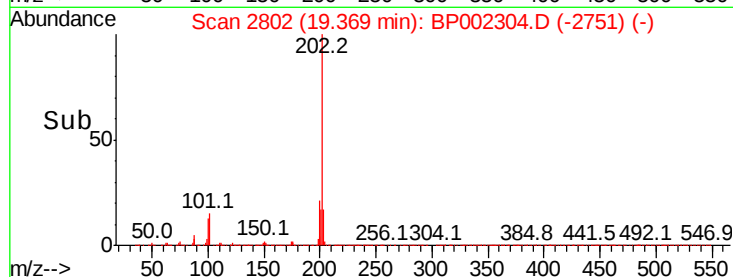
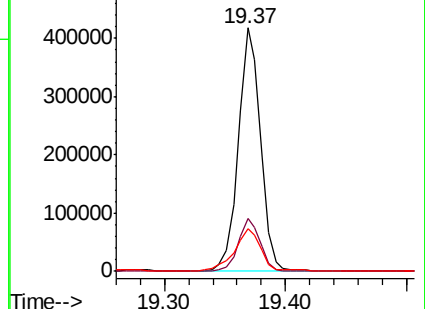
203 17.4 13.8 20.6



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: 69.111 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

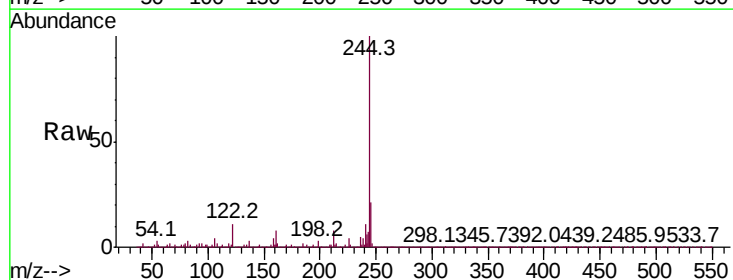
Tgt Ion:244 Resp: 3872096

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

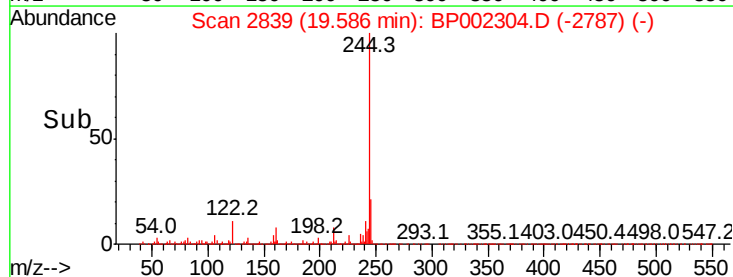
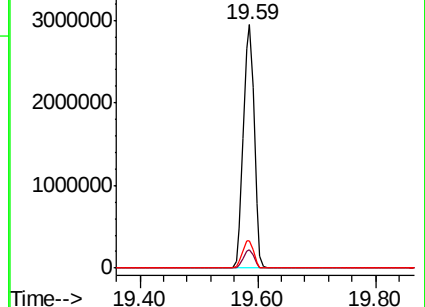
122 11.1 9.4 14.0

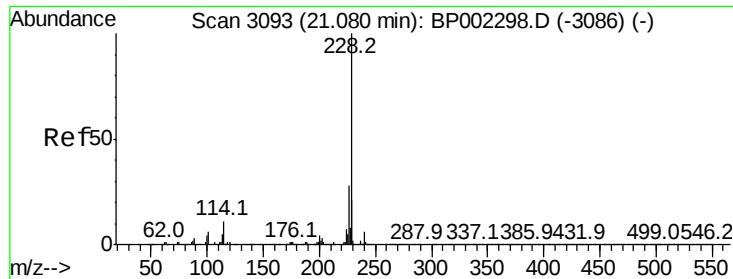


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

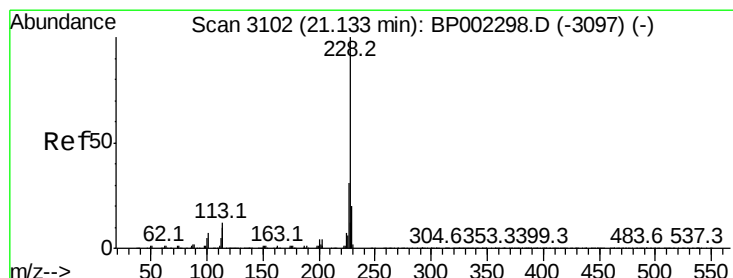
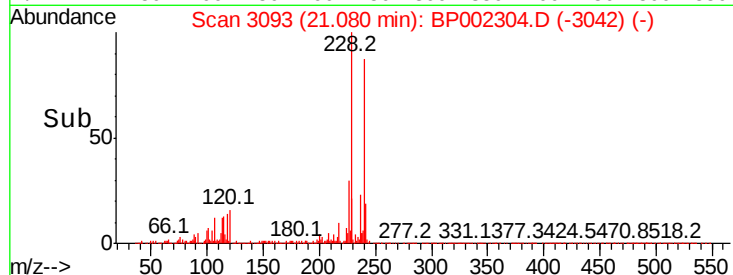
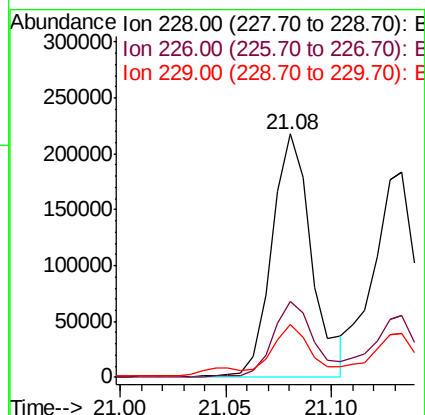
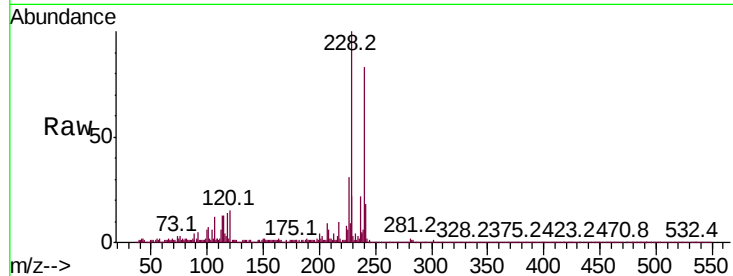




#81
Benzo(a)anthracene
Concen: 3.665 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BP002304.D
Acq: 28 May 2020 11:59

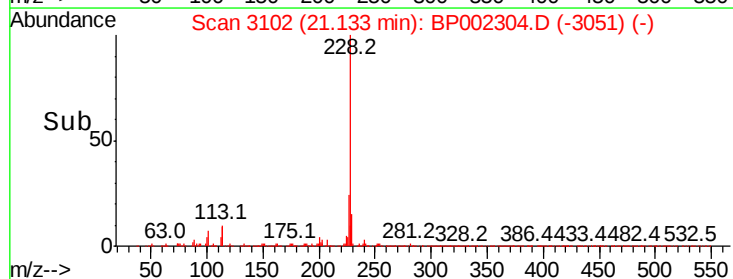
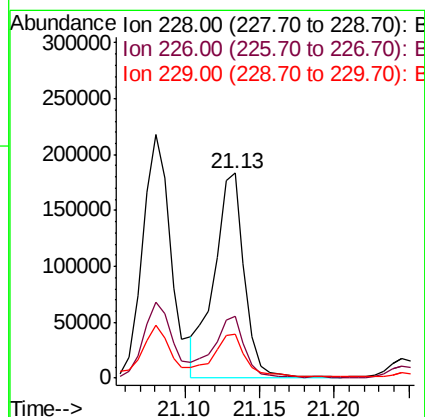
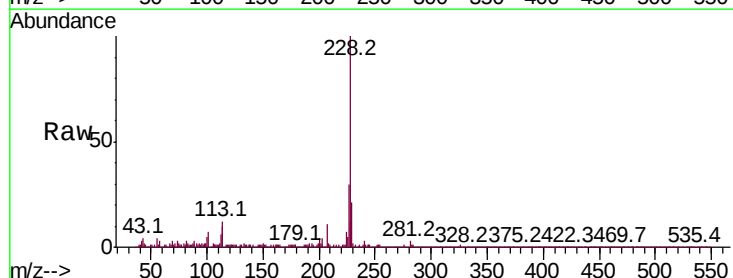
Instrument :
BNA_P
ClientSampleId :
NM42-COMP-2020-0-6

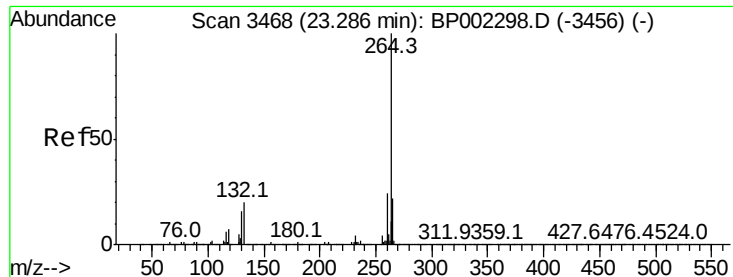
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.7	34.1
229	21.8	16.3	24.5



#83
Chrysene
Concen: 3.460 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BP002304.D
Acq: 28 May 2020 11:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.1	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3469

Delta R.T. 0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Instrument :

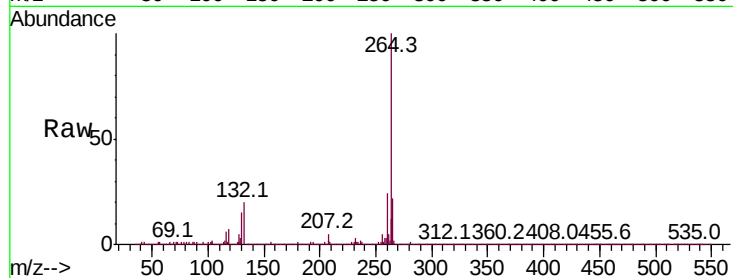
BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

Tot Ion:264 Resp: 1428184

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.0	17.8	26.6

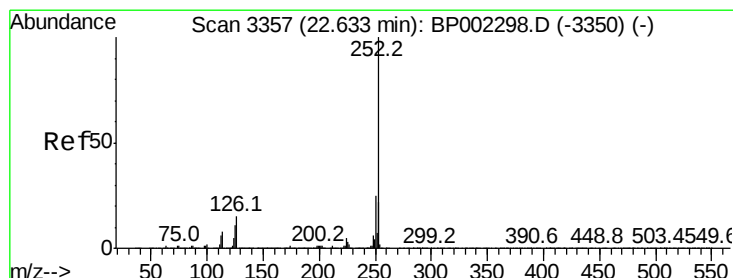
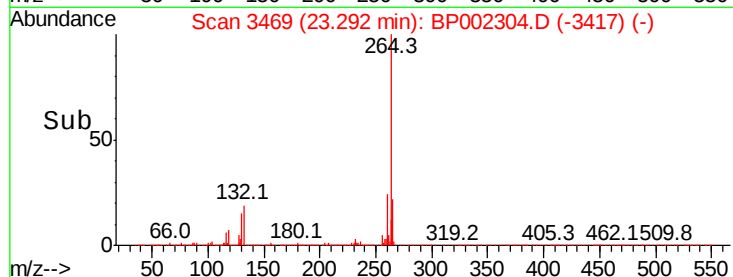
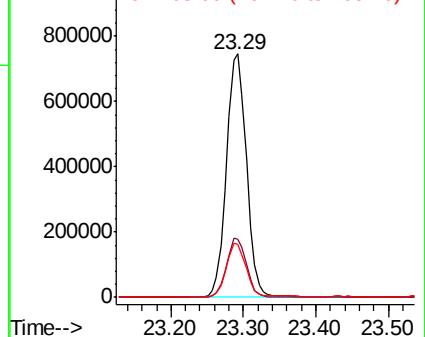


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 4.406 ng

RT: 22.64 min Scan# 3358

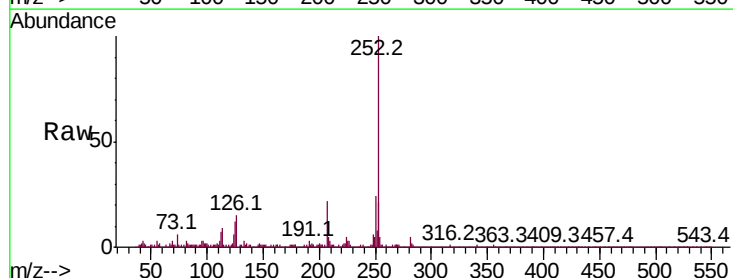
Delta R.T. 0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Tgt Ion:252 Resp: 343087

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	12.1	7.2	10.8

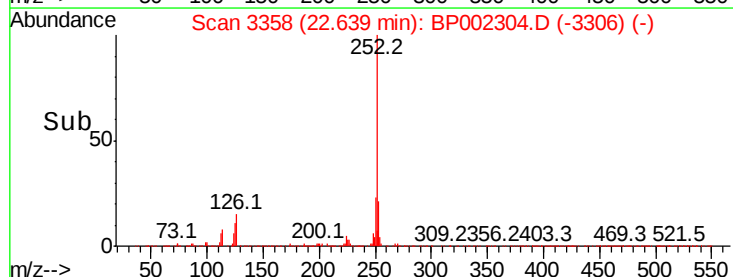
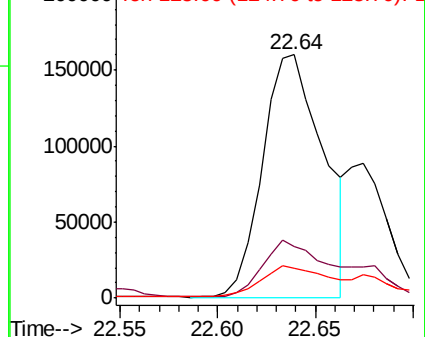


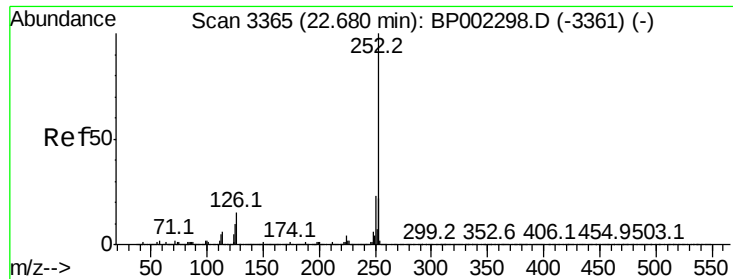
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 4.592 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

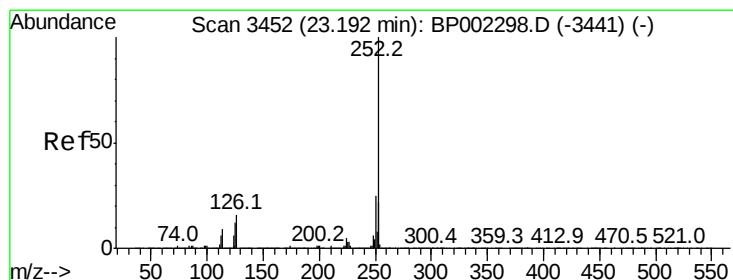
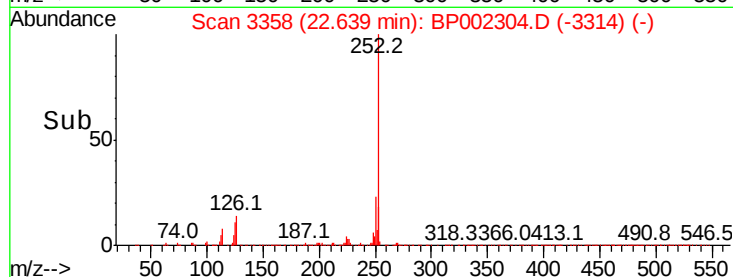
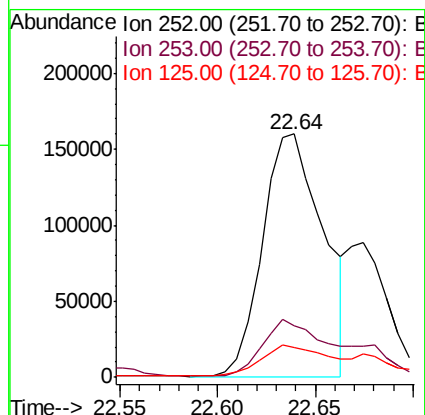
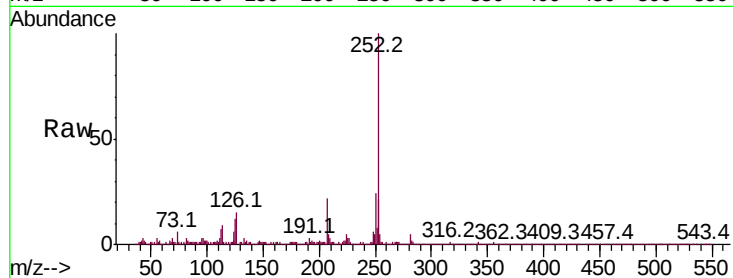
Instrument :

BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

Tot Ion:252	Resp:	343087
Ion Ratio	Lower	Upper
252	100	
253	21.3	17.9 26.9
125	12.1	7.4 11.2#



#90

Benzo(a)pyrene

Concen: 3.267 ng

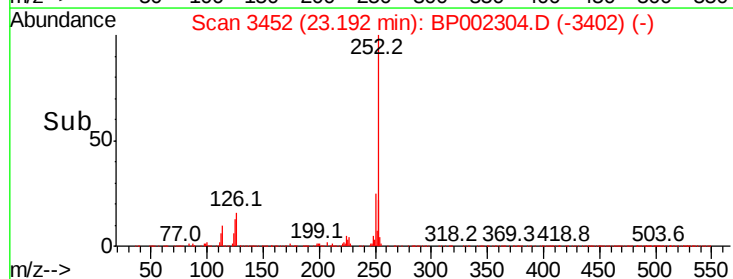
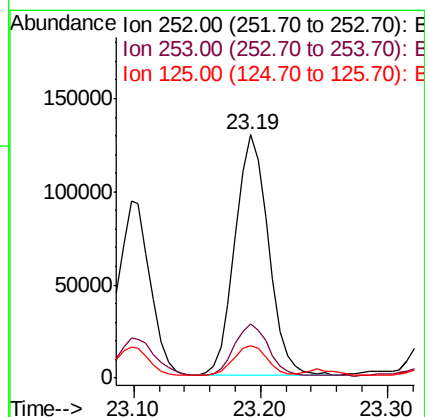
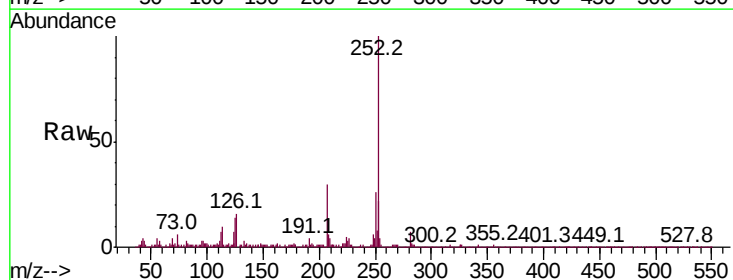
RT: 23.19 min Scan# 3452

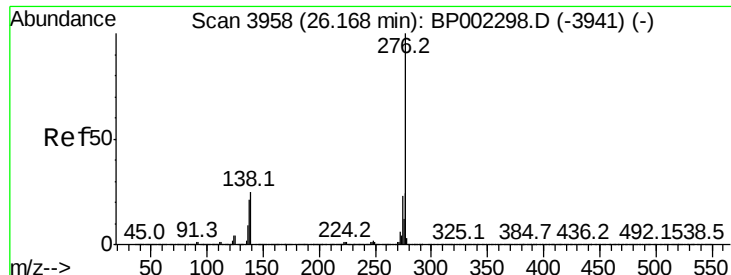
Delta R.T. -0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Tgt Ion:252	Resp:	235983
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.0 27.0
125	13.6	8.4 12.6#





#92

Benzo(a,h,i)perylene

Concen: 2.194 ng

RT: 26.17 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BP002304.D

Acq: 28 May 2020 11:59

Instrument :

BNA_P

ClientSampleId :

NM42-COMP-2020-0-6

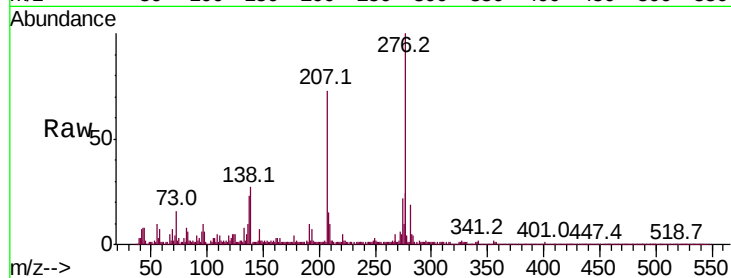
Tot Ion: 276 Resp: 161327

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 27.3 16.0 24.0



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

