

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
 Data File : BP002341.D
 Acq On : 01 Jun 2020 16:18
 Operator : CG/JU
 Sample : L2745-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jun 01 18:45:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 15:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	293840	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1211825	20.00	ng	0.00
39) Acenaphthene-d10	14.26	164	727595	20.00	ng	0.00
64) Phenanthrene-d10	17.01	188	1540963	20.00	ng	0.00
76) Chrysene-d12	21.12	240	1332239	20.00	ng	0.00
86) Perylene-d12	23.33	264	1374163	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	2043802	130.63	ng	0.00
7) Phenol-d6	6.80	99	2861599	134.46	ng	0.00
23) Nitrobenzene-d5	8.75	82	1993097	98.88	ng	0.00
42) 2,4,6-Tribromophenol	15.76	330	987137	143.15	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	4021635	97.53	ng	0.00
79) Terphenyl-d14	19.60	244	5033979	91.51	ng	0.00

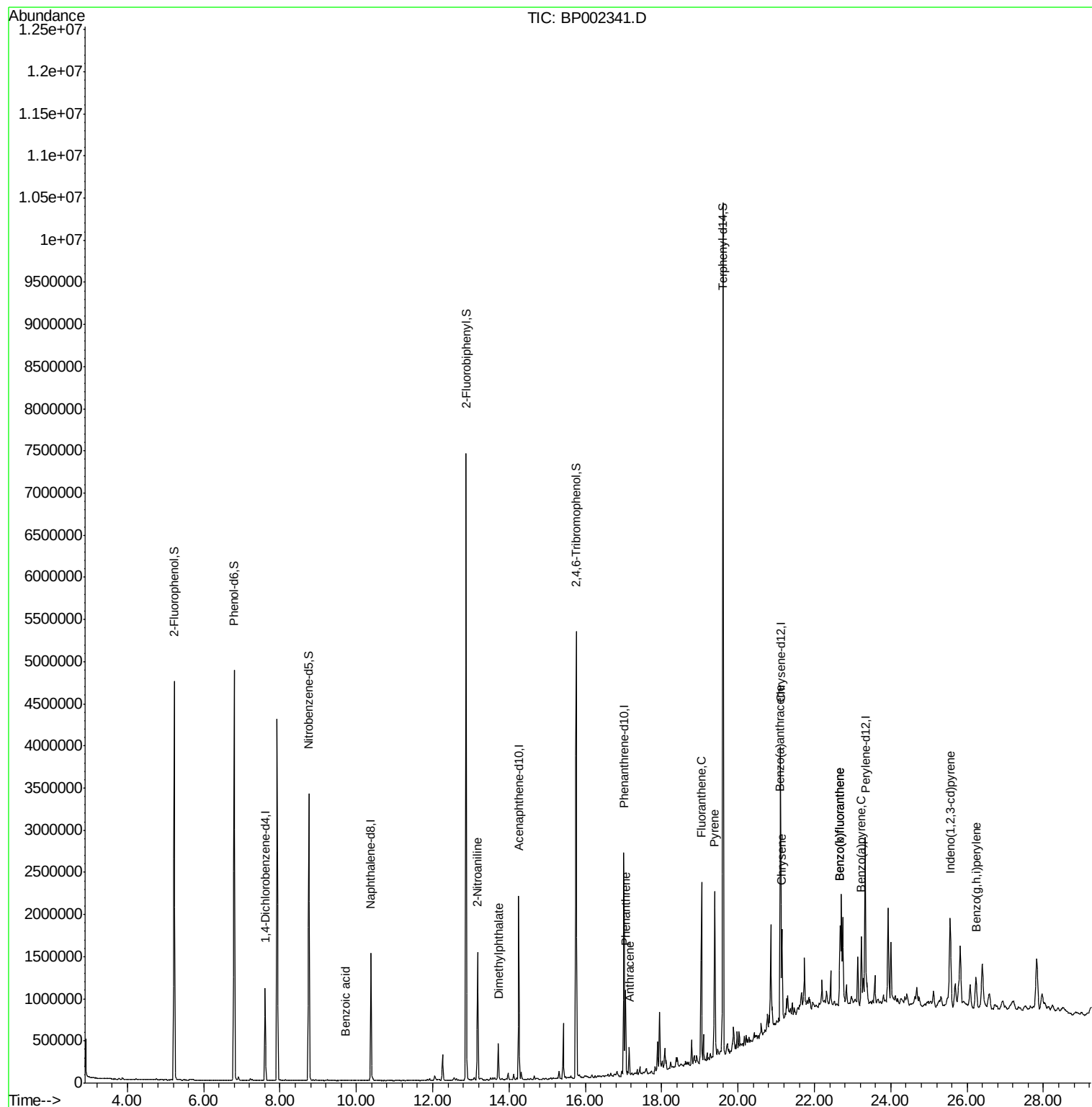
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.72	122	65	4.815	ng	# 35
48) 2-Nitroaniline	13.18	65	27827	2.300	ng	# 14
50) Dimethylphthalate	13.72	163	271236	5.507	ng	100
71) Phenanthrene	17.06	178	599014	8.207	ng	98
72) Anthracene	17.15	178	171431	2.387	ng	99
75) Fluoranthene	19.04	202	1266944	15.070	ng	99
78) Pyrene	19.39	202	1157880	13.957	ng	99
81) Benzo(a)anthracene	21.10	228	617732	8.100	ng	99
83) Chrysene	21.15	228	577733	7.894	ng	97
87) Indeno(1,2,3-cd)pyrene	25.56	276	405219	4.764	ng	97
88) Benzo(b)fluoranthene	22.67	252	1069933	14.281	ng	# 96
89) Benzo(k)fluoranthene	22.67	252	1069992	14.883	ng	# 96
90) Benzo(a)pyrene	23.23	252	584477	8.410	ng	# 97
92) Benzo(a,h,i)perylene	26.23	276	410624	5.805	ng	# 95

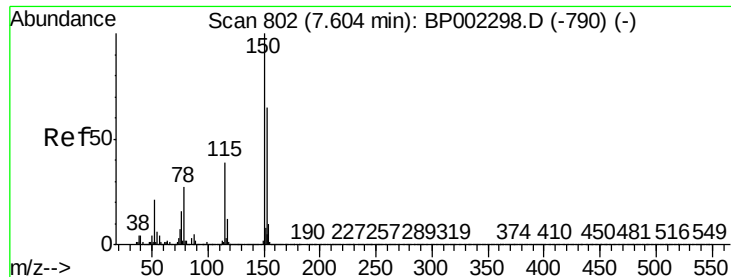
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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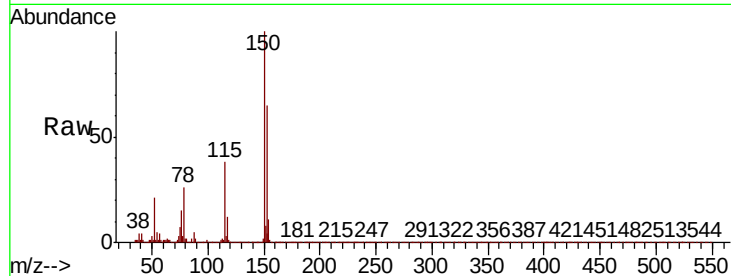


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.7	187.1
115	57.6	49.4	74.2

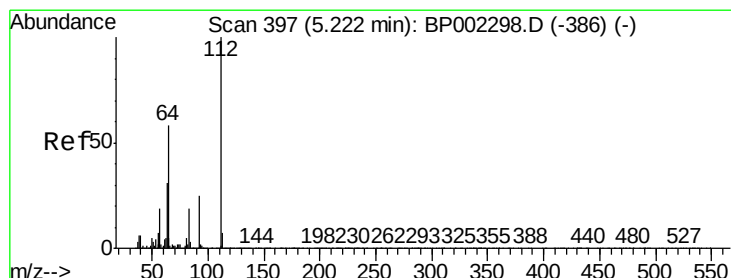
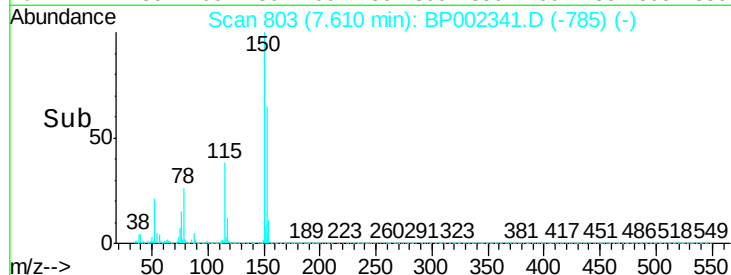
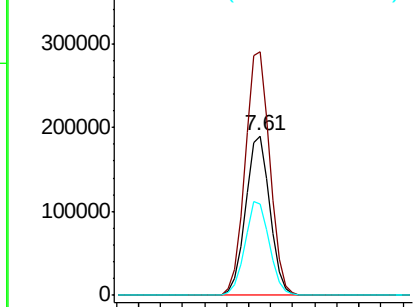


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

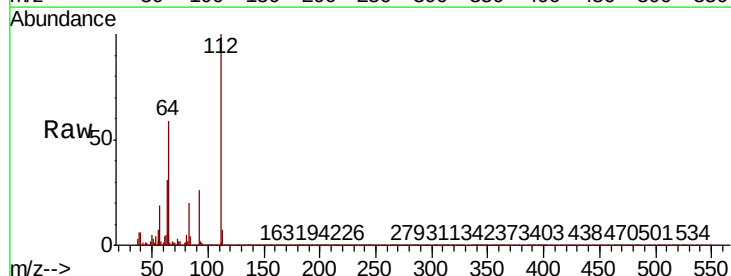
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.633 ng
RT: 5.23 min Scan# 398
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.0	70.4
63	31.4	24.0	36.0

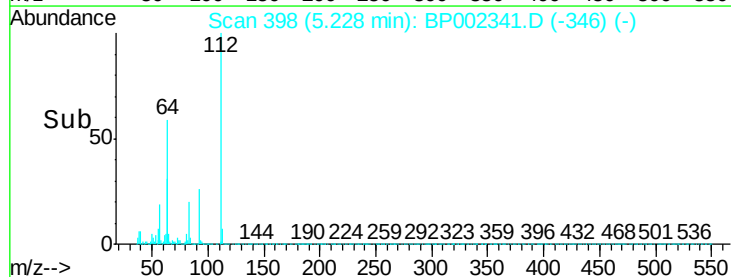
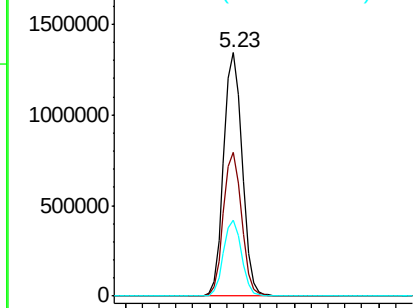


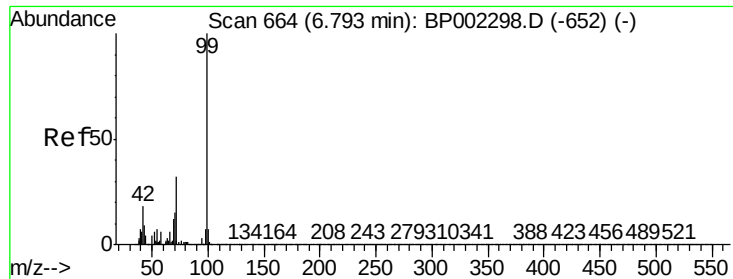
Abundance

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: 134.456 ng

RT: 6.80 min Scan# 665

Delta R.T. 0.01 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

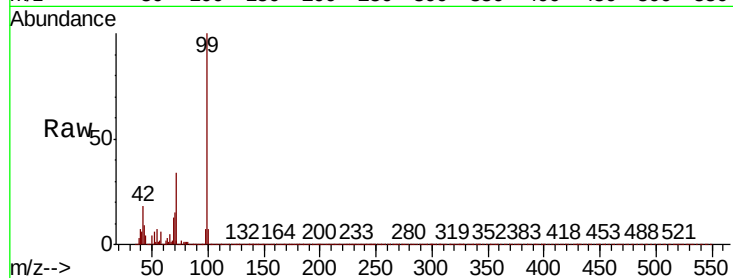
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 2861599

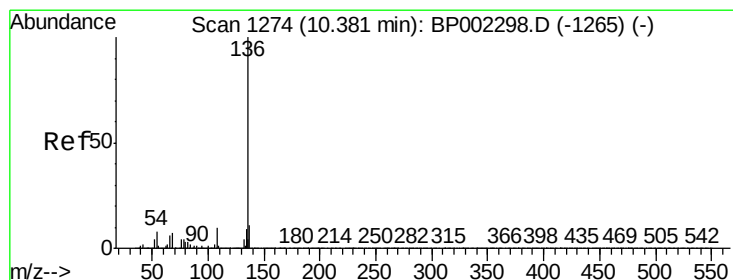
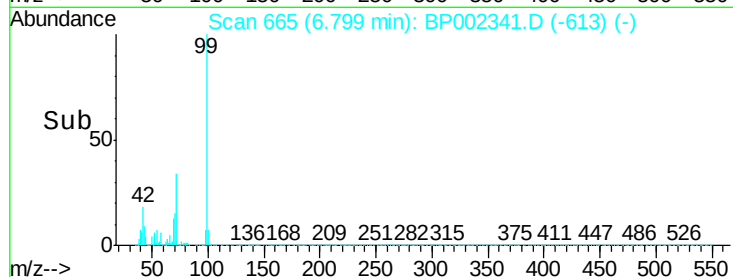
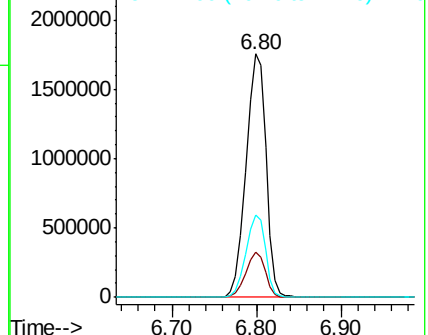
Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.9	20.9
71	34.1	25.8	38.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1274

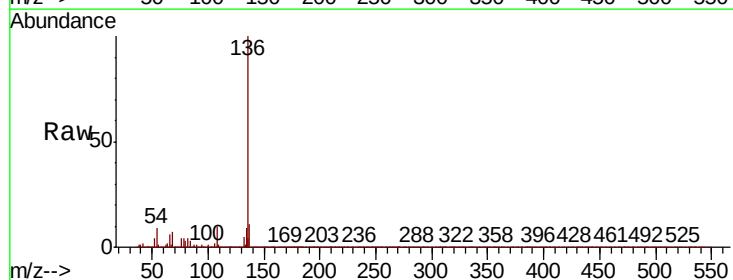
Delta R.T. -0.00 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

Tgt Ion: 136 Resp: 1211825

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.9	10.3
68	6.9	5.6	8.4

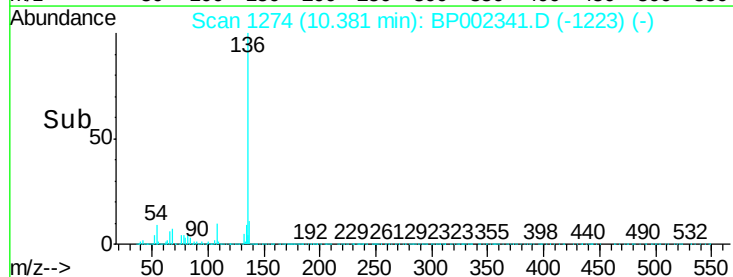
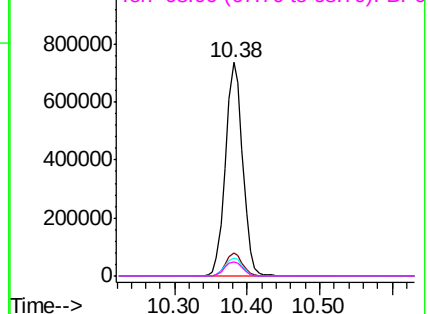


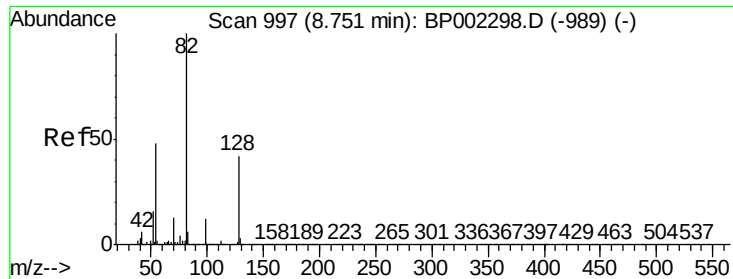
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

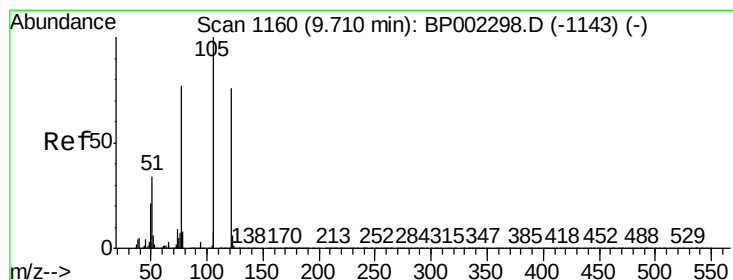
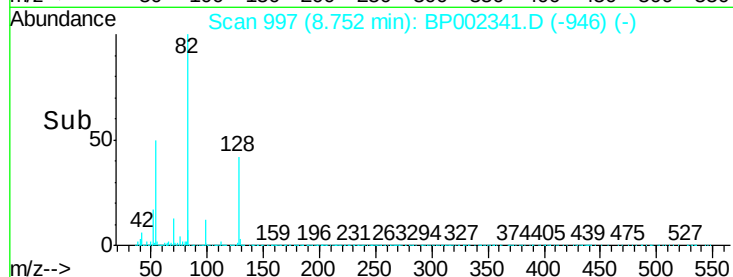
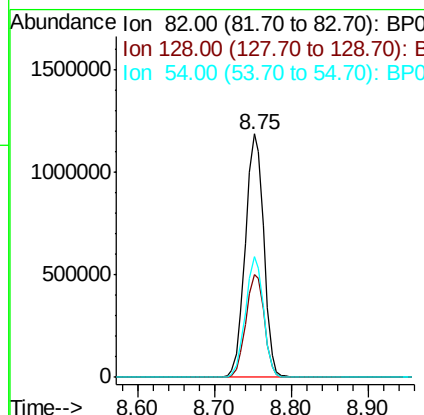
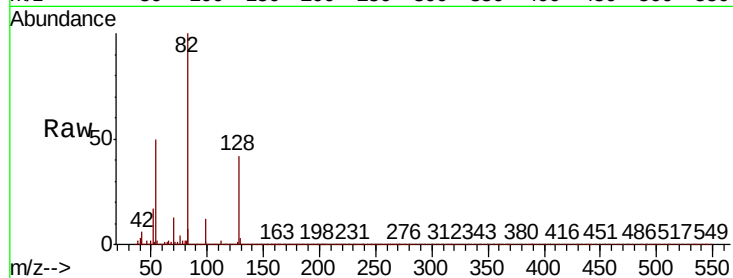




#23
Nitrobenzene-d5
Concen: 98.884 ng
RT: 8.75 min Scan# 997
Delta R.T. -0.00 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

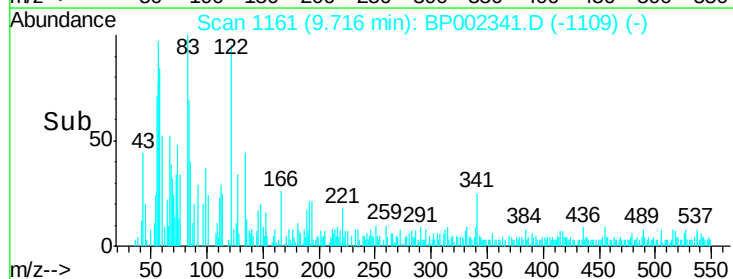
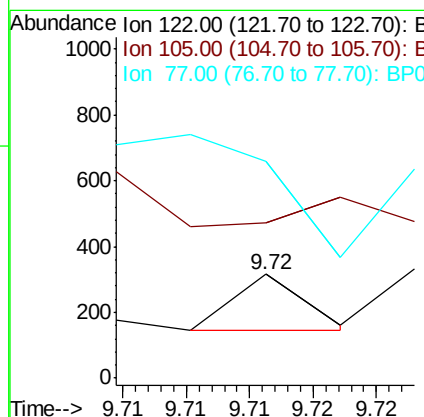
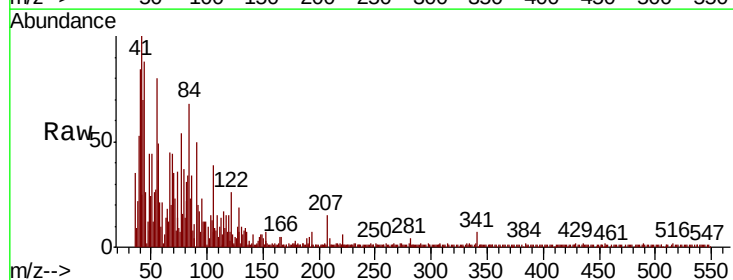
Instrument :
BNA_P
ClientSampleId :

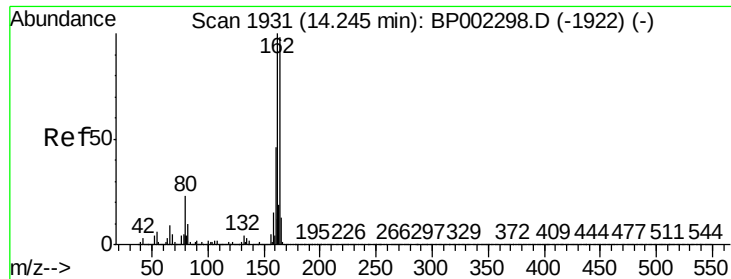
Tot Ion: 82 Resp: 1993097
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.0
54 49.6 38.3 57.5



#32
Benzoic acid
Concen: 4.815 ng
RT: 9.72 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion: 122 Resp: 65
Ion Ratio Lower Upper
122 100
105 149.5 102.7 142.7#
77 209.2 74.8 114.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.26 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

Instrument :

BNA_P

ClientSampleId :

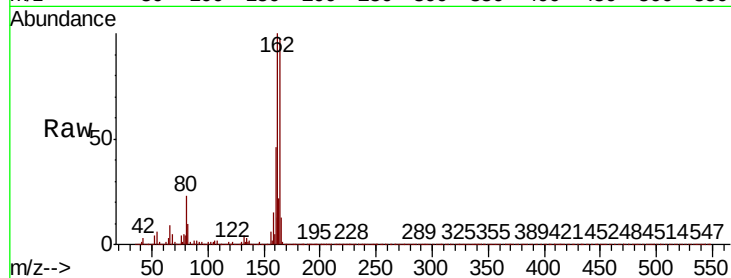
Tot Ion:164 Resp: 727595

Ion Ratio Lower Upper

164 100

162 102.9 81.3 121.9

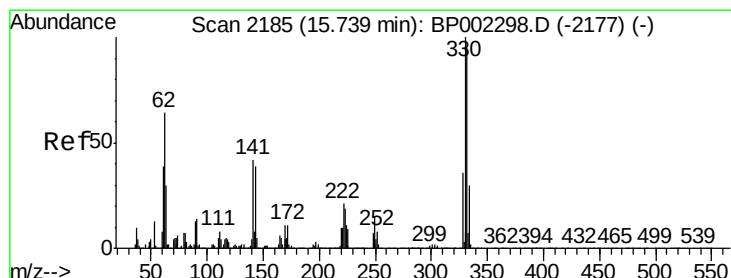
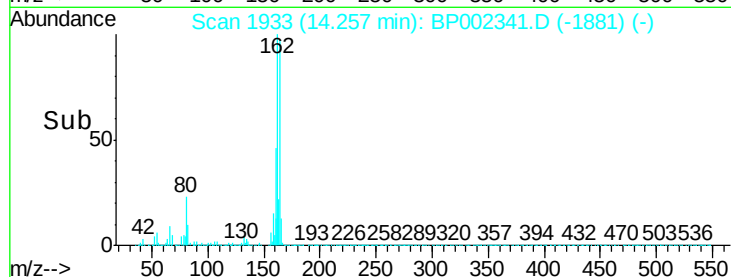
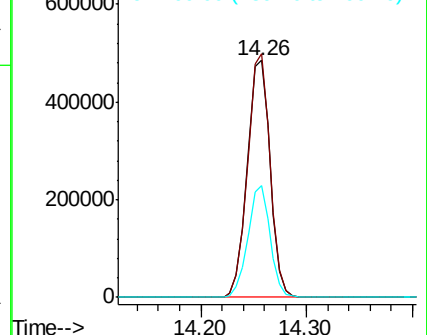
160 47.3 37.2 55.8



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: 143.150 ng

RT: 15.76 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

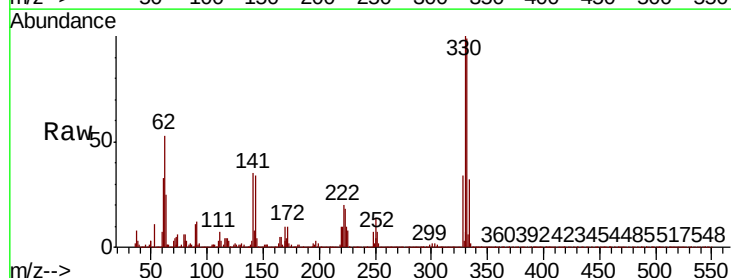
Tgt Ion:330 Resp: 987137

Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

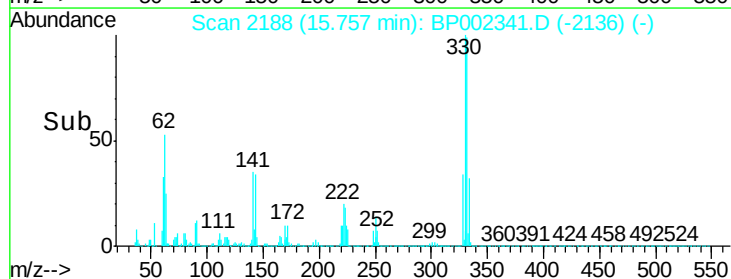
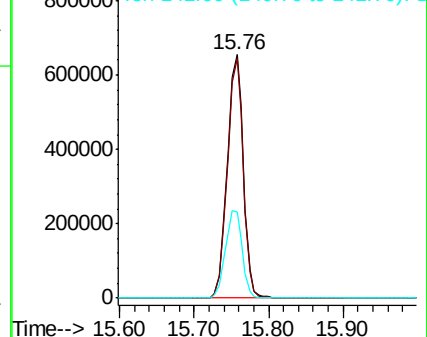
141 37.5 31.4 47.2

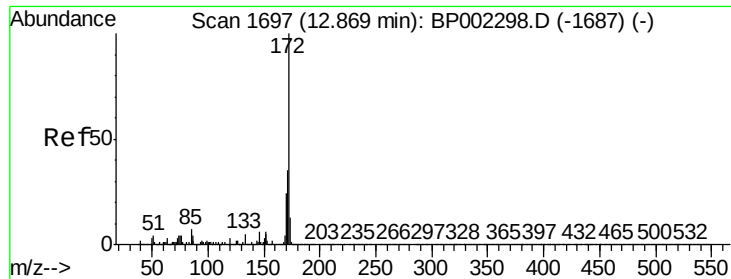


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

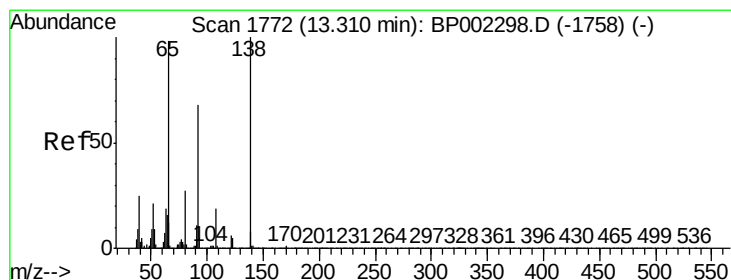
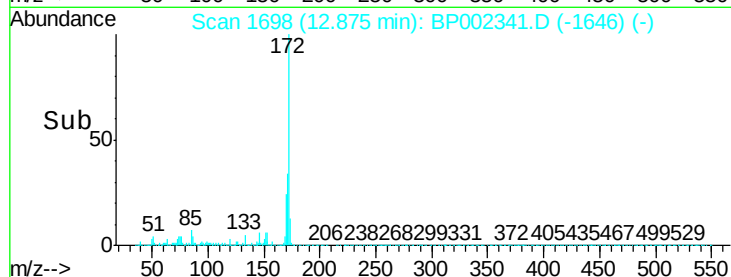
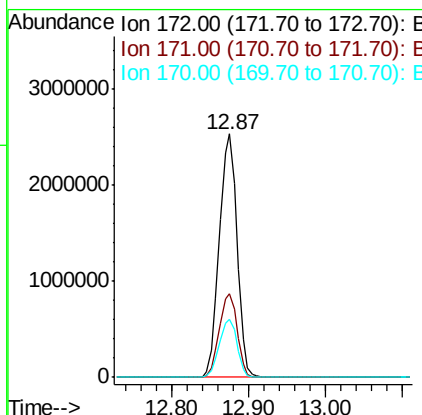
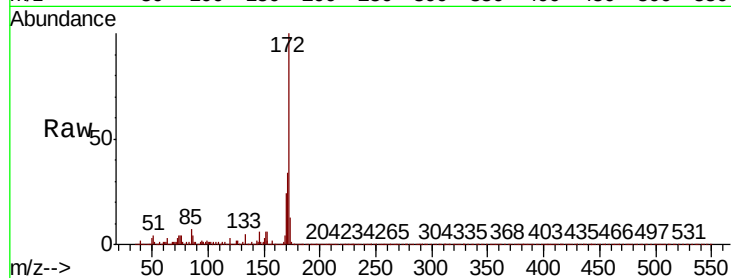




#45
2-Fluorobiphenyl
Concen: 97.531 ng
RT: 12.87 min Scan# 1698
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

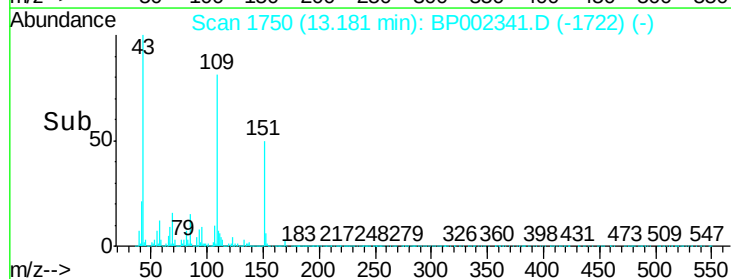
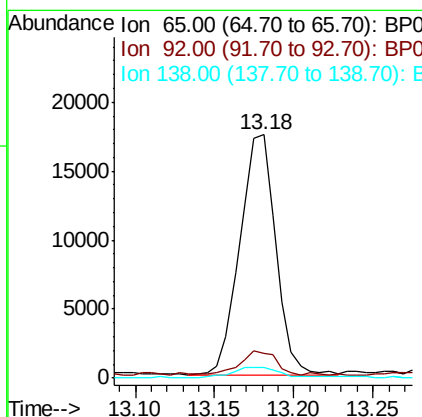
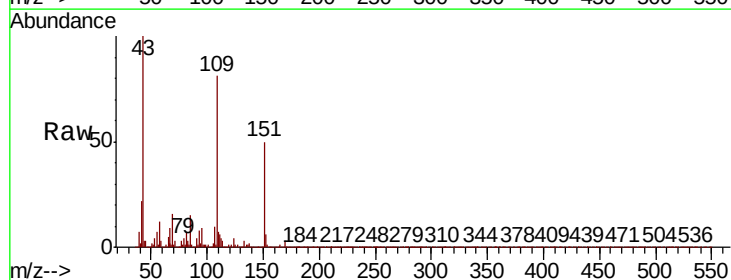
Instrument :
BNA_P
ClientSampleId :

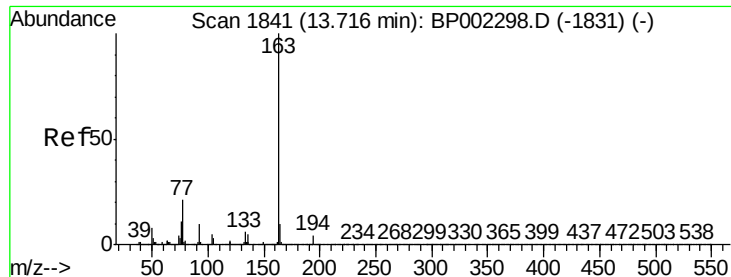
Tot Ion: 172 Resp: 4021635
Ion Ratio Lower Upper
172 100
171 34.2 27.6 41.4
170 24.0 18.9 28.3



#48
2-Nitroaniline
Concen: 2.300 ng
RT: 13.18 min Scan# 1750
Delta R.T. -0.14 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion: 65 Resp: 27827
Ion Ratio Lower Upper
65 100
92 10.0 54.5 81.7#
138 4.1 80.2 120.2#

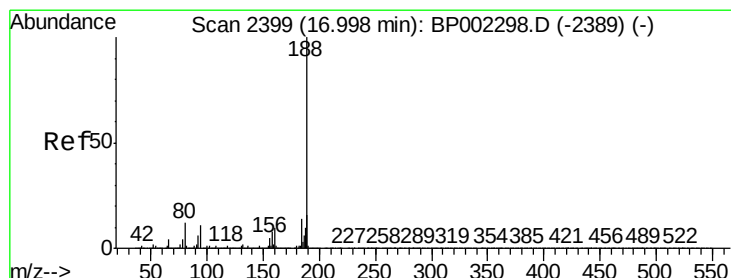
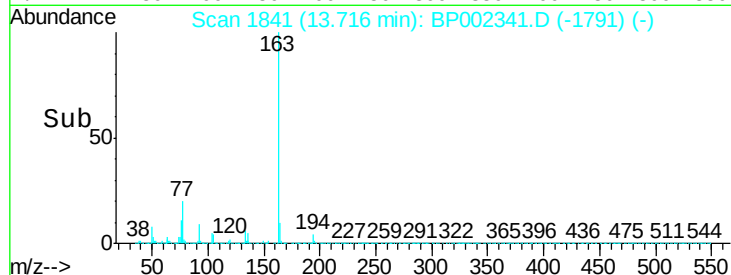
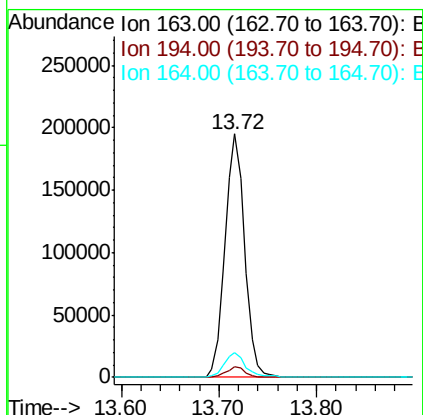
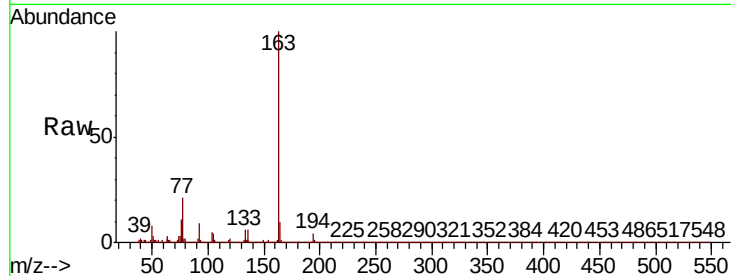




#50
Dimethylphthalate
Concen: 5.507 ng
RT: 13.72 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

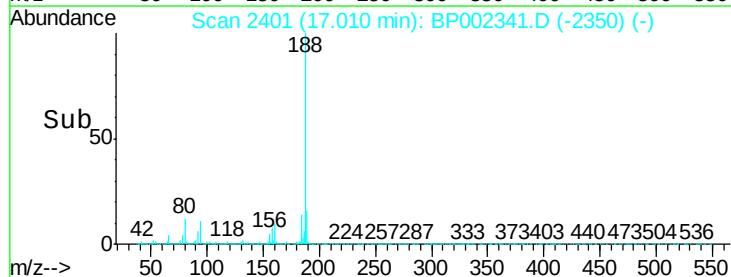
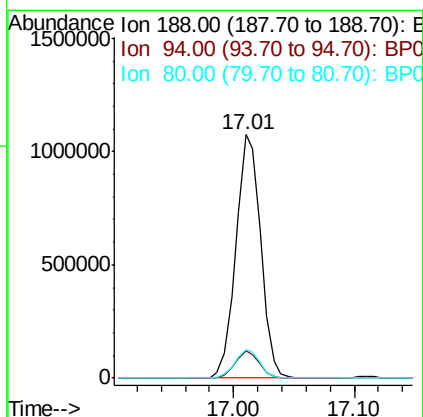
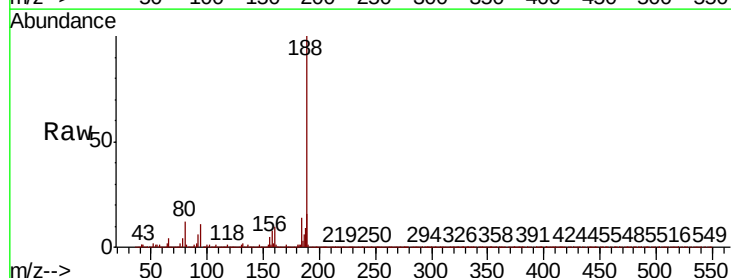
Instrument :
BNA_P
ClientSampled :

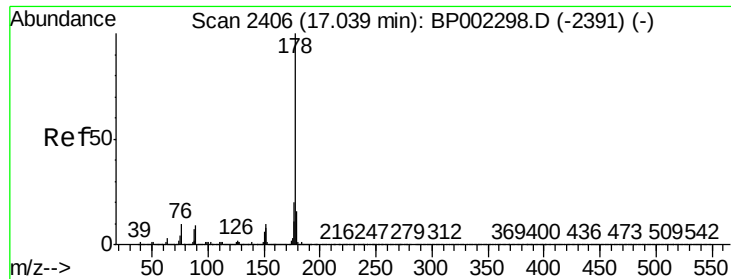
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.0	8.1	12.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.01 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.7	13.1
80	11.7	9.3	13.9

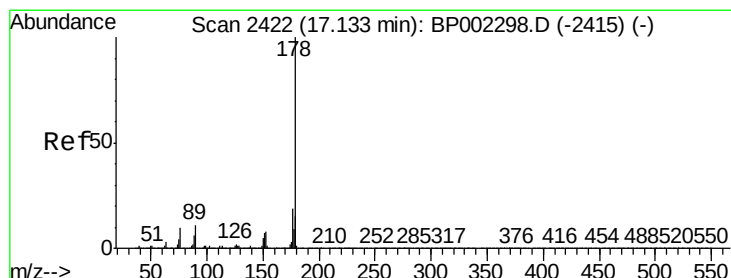
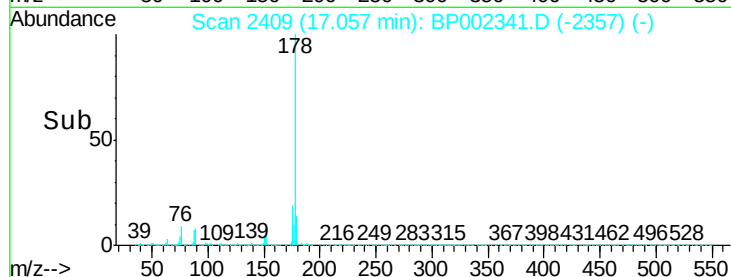
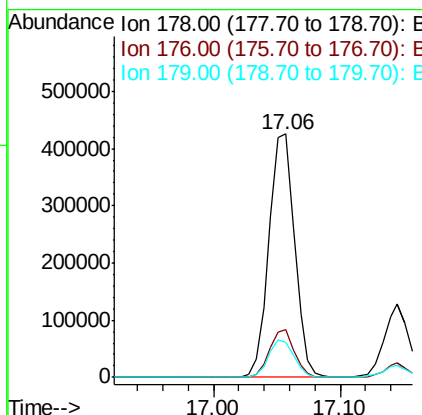
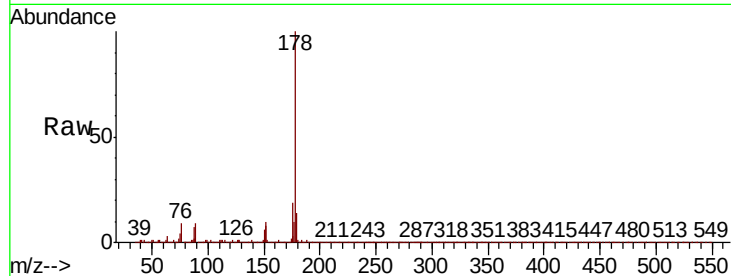




#71
Phenanthrene
Concen: 8.207 ng
RT: 17.06 min Scan# 2409
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

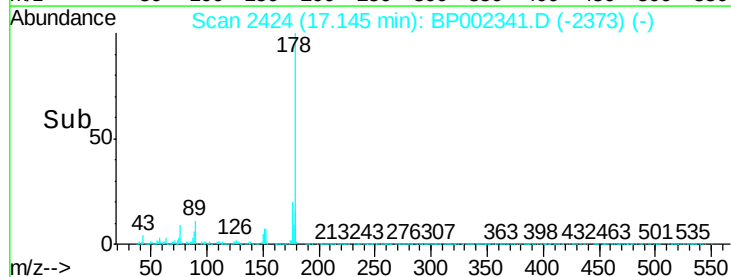
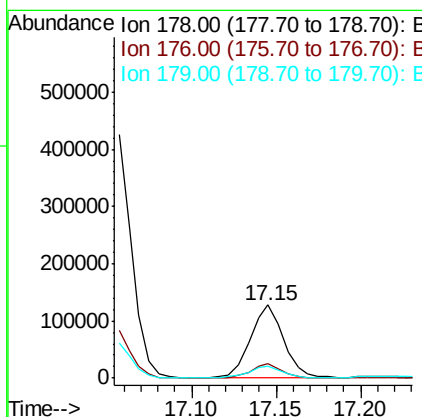
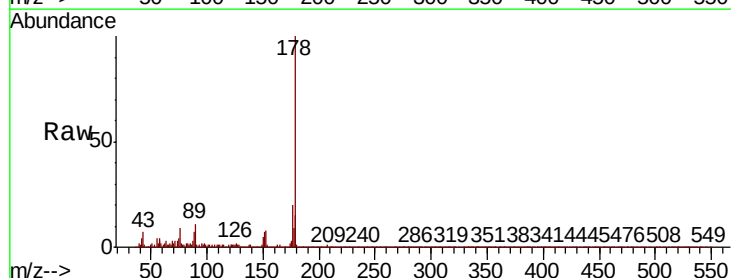
Instrument :
BNA_P
ClientSampleId :

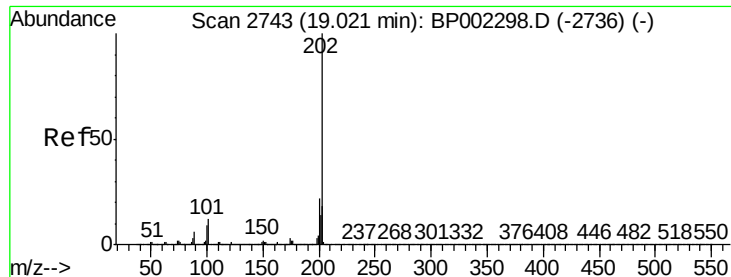
Tot Ion:178 Resp: 599014
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.5 12.6 18.8



#72
Anthracene
Concen: 2.387 ng
RT: 17.15 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion:178 Resp: 171431
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 15.5 12.6 19.0





#75

Fluoranthene

Concen: 15.070 ng

RT: 19.04 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

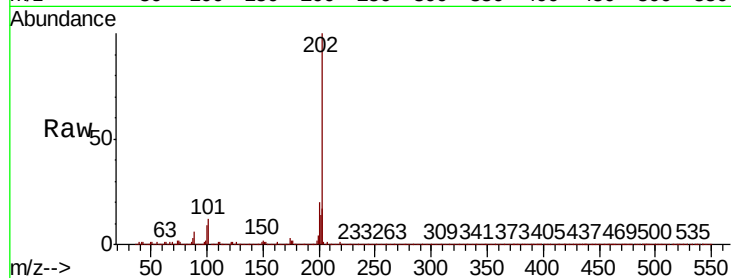
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 1266944

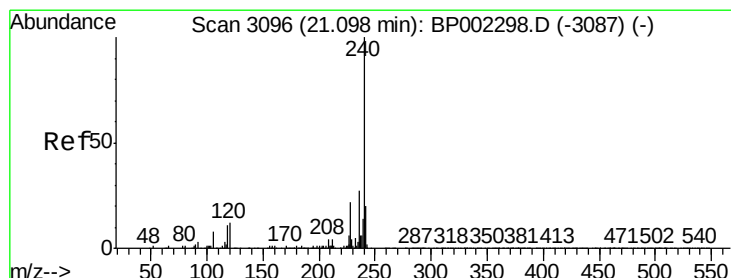
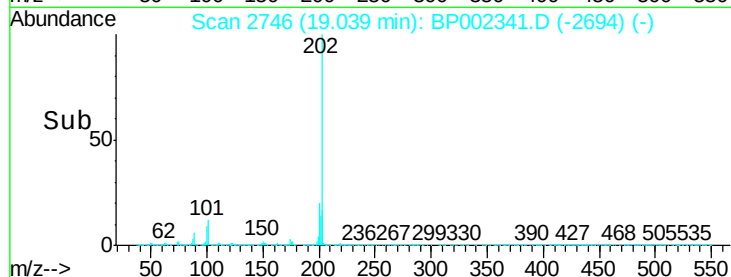
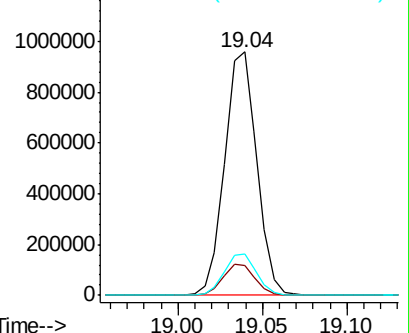
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.1
203	16.8	0.0	37.6



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: 21.12 min Scan# 3099

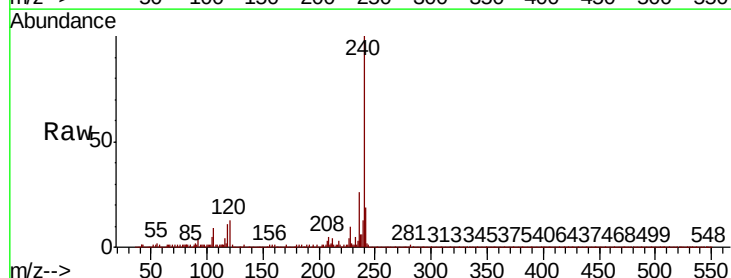
Delta R.T. 0.01 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

Tgt Ion:240 Resp: 1332239

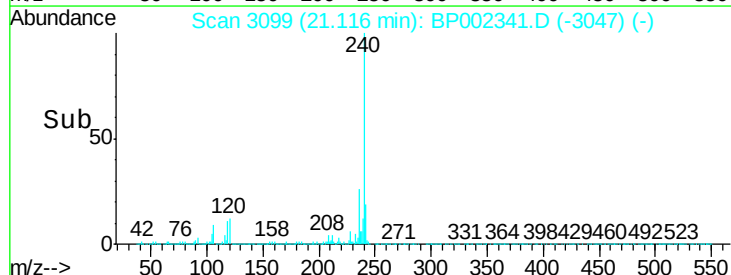
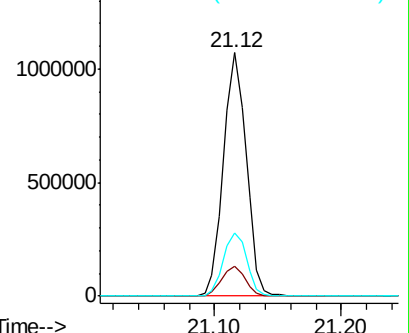
Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.7	13.1
236	26.0	21.0	31.4

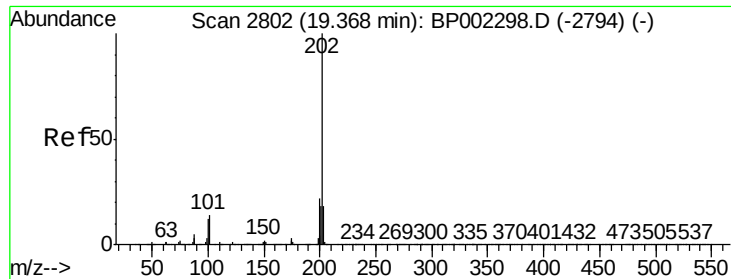


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.957 ng

RT: 19.39 min Scan# 2805

Delta R.T. -0.00 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

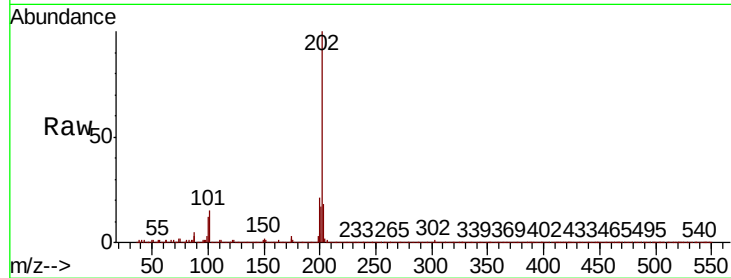
Instrument :

BNA_P

ClientSampled :

Tot Ion:202 Resp: 1157880

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	17.9	13.8	20.6

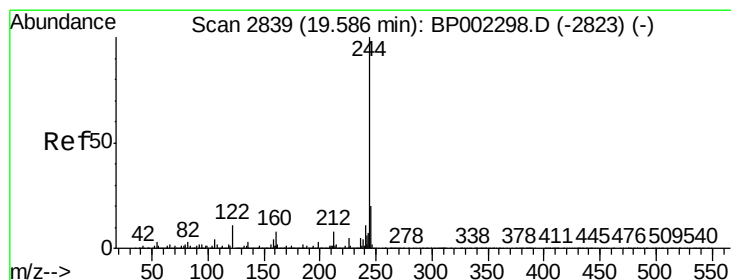
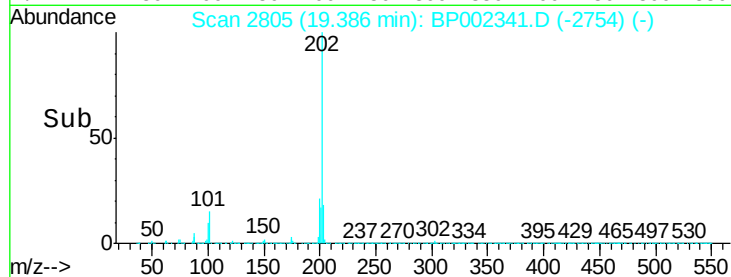
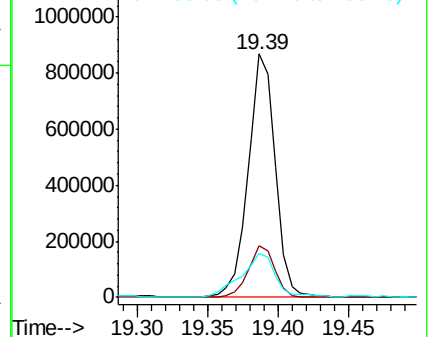


Abundance

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: 91.507 ng

RT: 19.60 min Scan# 2842

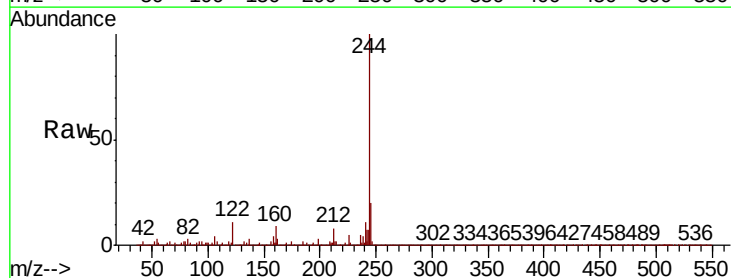
Delta R.T. 0.01 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

Tgt Ion:244 Resp: 5033979

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.4	9.6
122	10.7	9.4	14.0

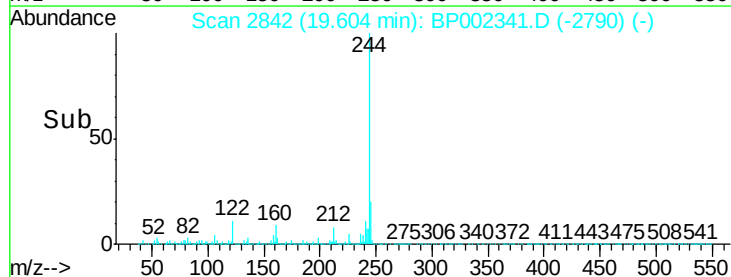
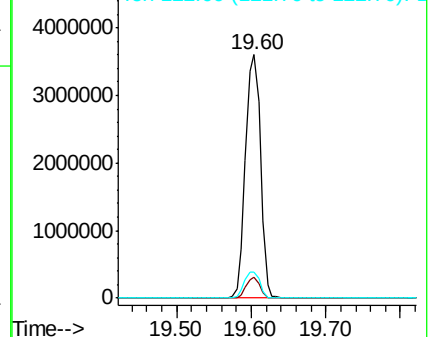


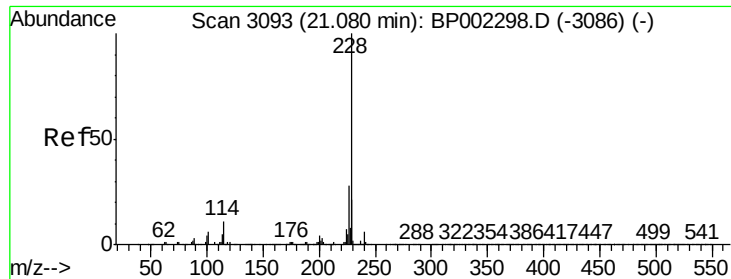
Abundance

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

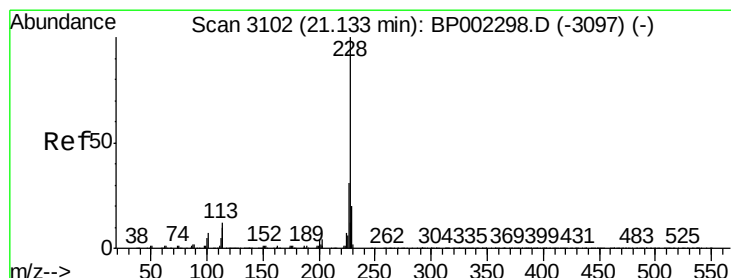
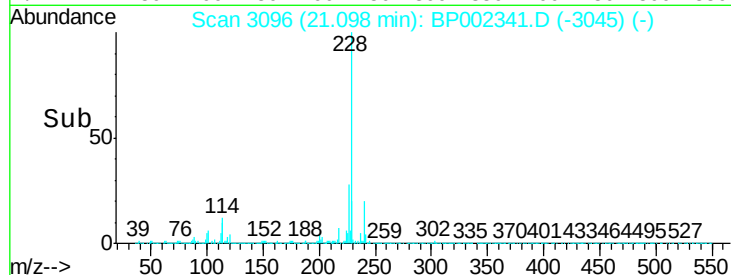
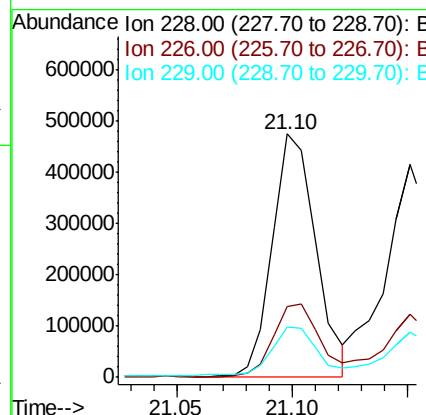
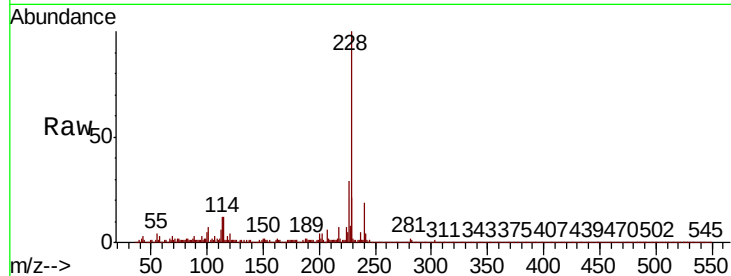




#81
Benzo(a)anthracene
Concen: 8.100 ng
RT: 21.10 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

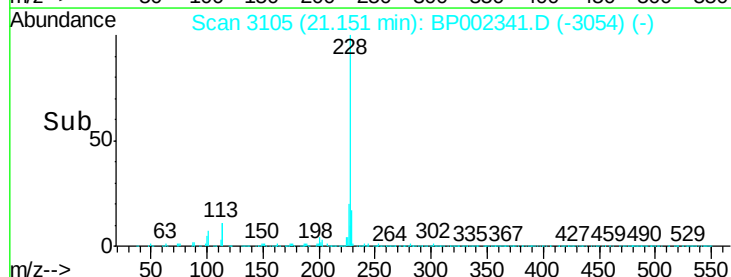
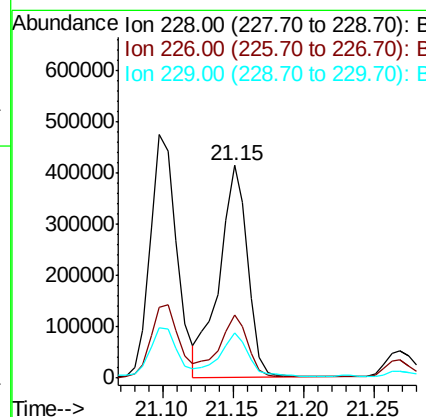
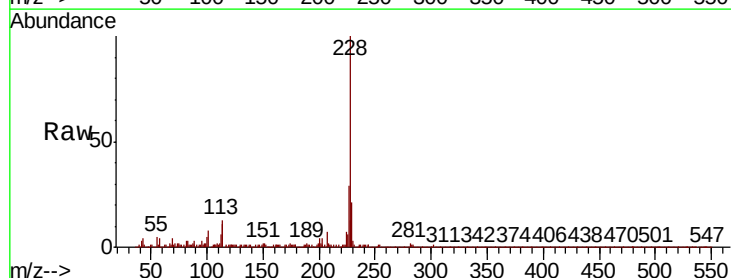
Instrument :
BNA_P
ClientSampleId :

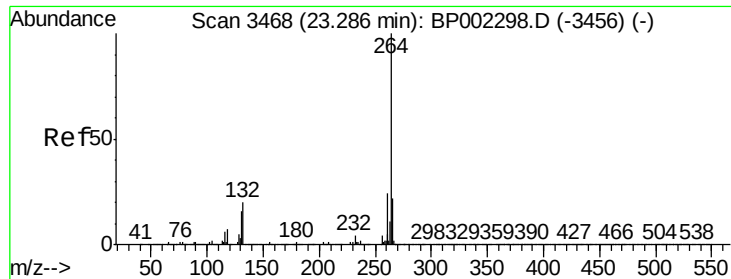
Tot Ion:228 Resp: 617732
Ion Ratio Lower Upper
228 100
226 29.3 22.7 34.1
229 20.7 16.3 24.5



#83
Chrysene
Concen: 7.894 ng
RT: 21.15 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion:228 Resp: 577733
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 21.3 16.2 24.4



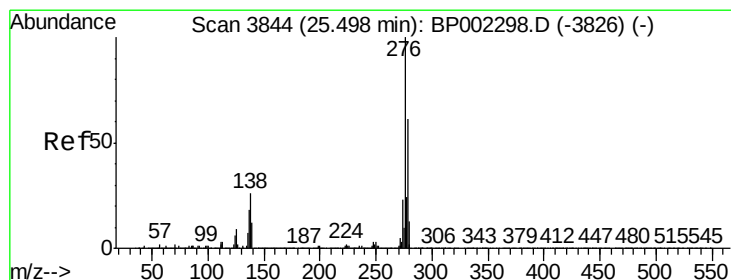
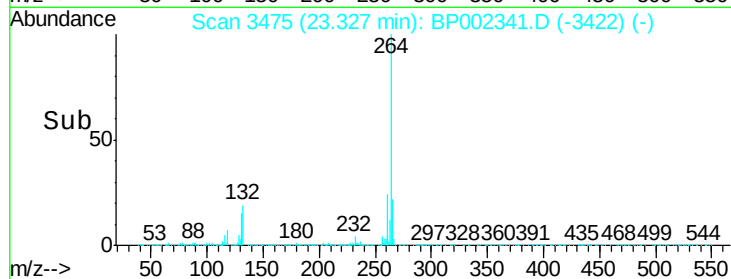
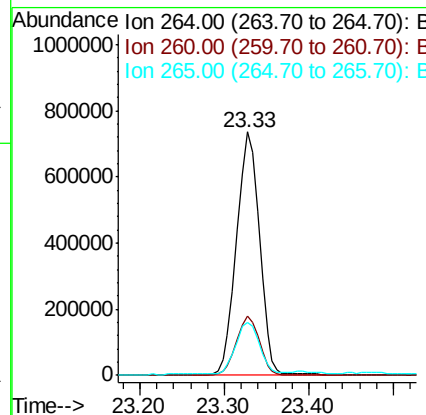
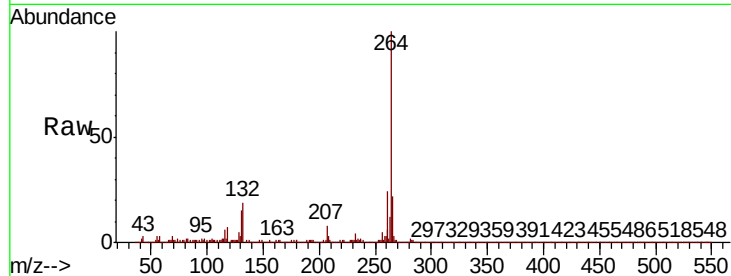


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.33 min Scan# 3475
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Instrument :
BNA_P
ClientSampled :

Tot Ion:264 Resp: 1374163

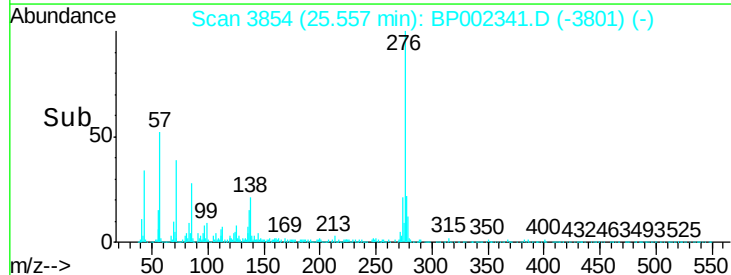
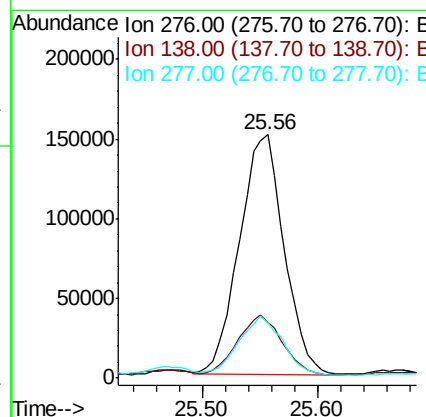
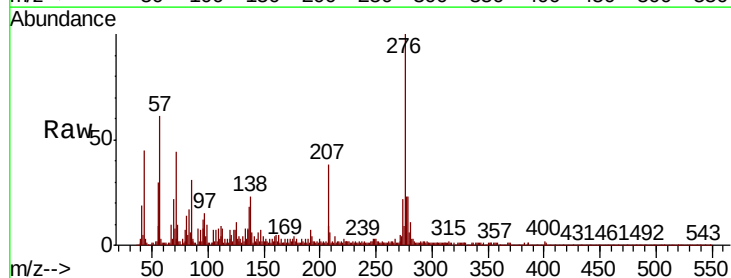
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.9	17.8	26.6

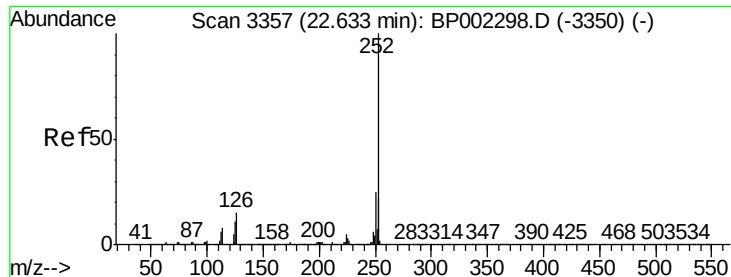


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.764 ng
RT: 25.56 min Scan# 3854
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion:276 Resp: 405219

Ion	Ratio	Lower	Upper
276	100		
138	25.2	18.2	27.4
277	24.5	20.2	30.2

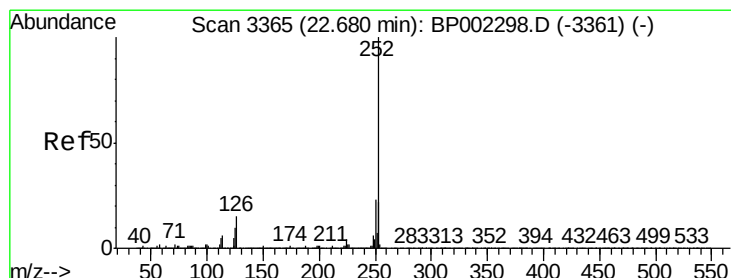
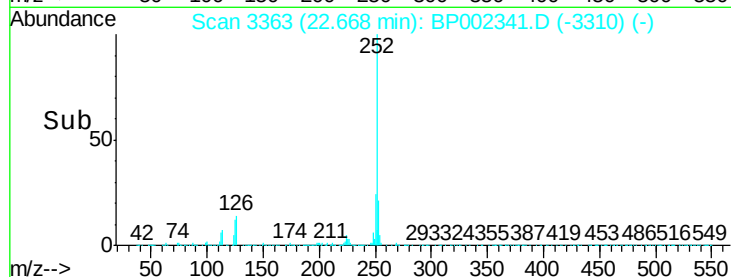
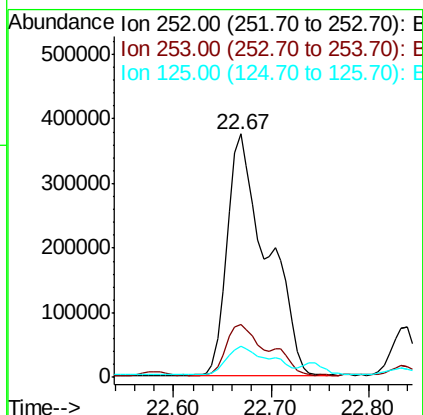
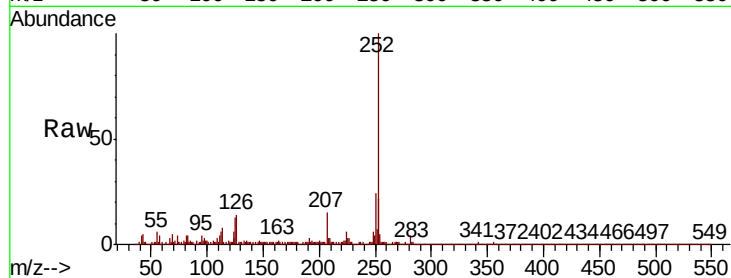




#88
Benzo(b)fluoranthene
Concen: 14.281 ng
RT: 22.67 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

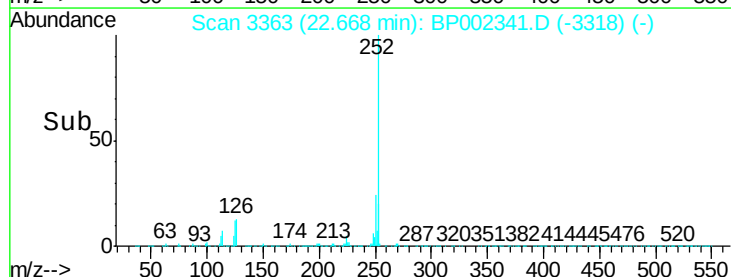
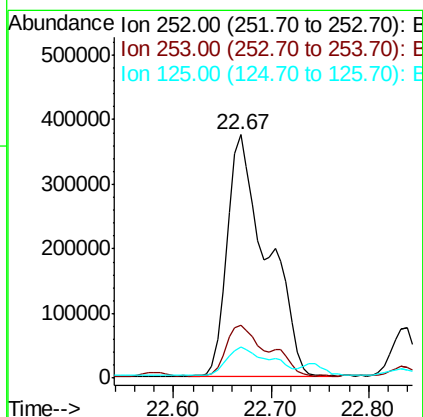
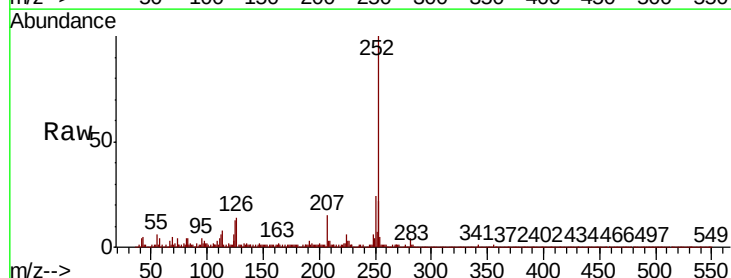
Instrument :
BNA_P
ClientSampleId :

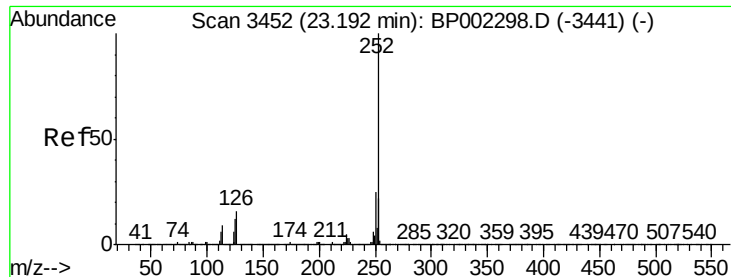
Tot Ion:252 Resp: 1069933
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 12.8 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 14.883 ng
RT: 22.67 min Scan# 3363
Delta R.T. -0.04 min
Lab File: BP002341.D
Acq: 01 Jun 2020 16:18

Tgt Ion:252 Resp: 1069992
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 12.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 8.410 ng

RT: 23.23 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

Instrument :

BNA_P

ClientSampled :

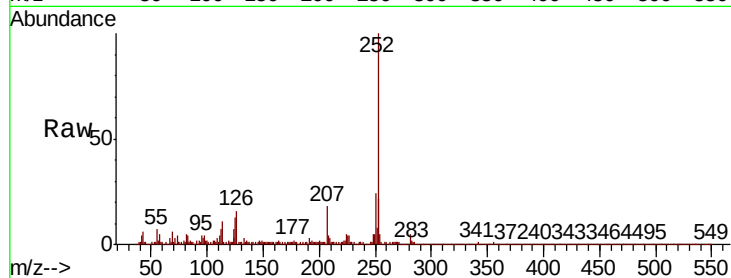
Tot Ion:252 Resp: 584477

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

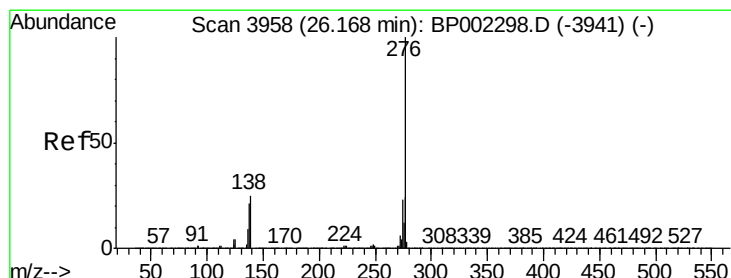
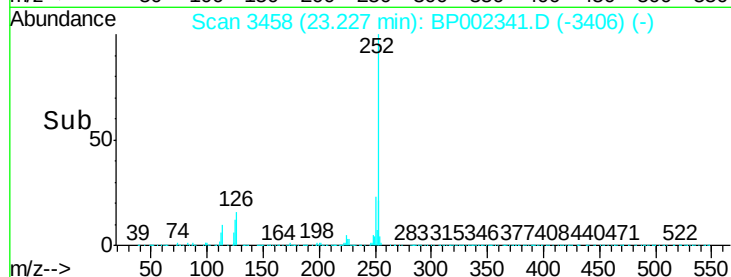
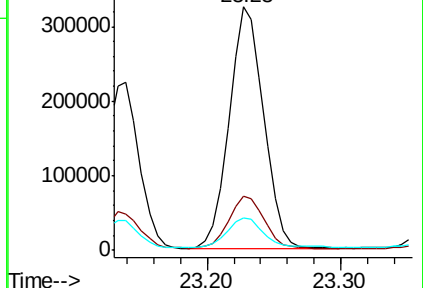
125 13.4 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.805 ng

RT: 26.23 min Scan# 3969

Delta R.T. 0.02 min

Lab File: BP002341.D

Acq: 01 Jun 2020 16:18

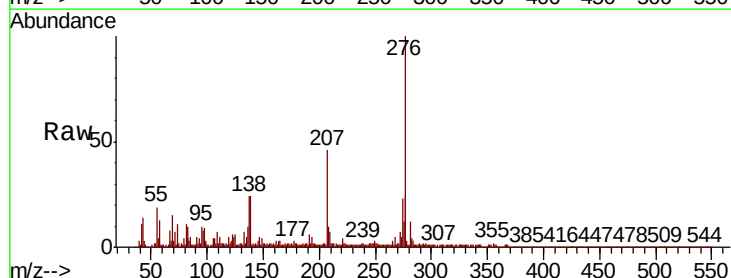
Tgt Ion:276 Resp: 410624

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 24.5 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

