

Data File : BP001538.D
Acq On : 06 Jan 2020 19:54
Operator : JU
Sample : K6465-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GP-10-(1-3)

Quant Time: Jan 07 02:56:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 06 16:38:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	48097	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	179332	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	120864	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	270688	20.00	ng	0.00
76) Chrysene-d12	21.18	240	216002	20.00	ng	0.00
87) Perylene-d12	23.43	264	229078	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	249764	87.24	ng	0.00
7) Phenol-d6	6.89	99	366371	95.01	ng	0.00
23) Nitrobenzene-d5	8.83	82	252938	69.66	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	157432	115.09	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	542992	66.06	ng	0.00
79) Terphenyl-d14	19.66	244	768799	70.93	ng	0.00

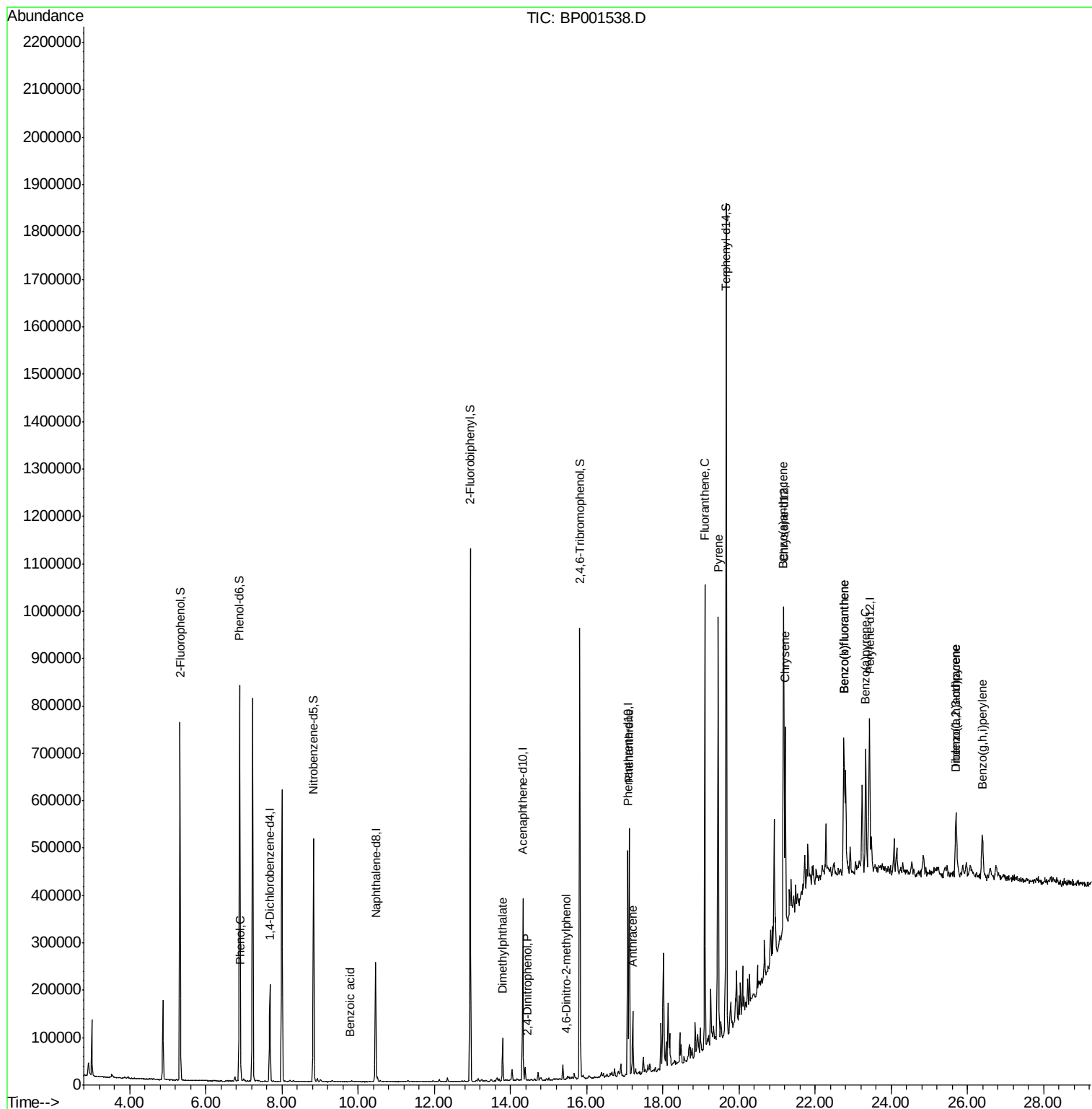
Target Compounds				Qvalue		
9) Benzaldehyde	6.83	77	186	Below Cal	#	76
10) Phenol	6.91	94	13719	3.382	ng	95
32) Benzoic acid	9.78	122	37	7.787	ng	90
50) Dimethylphthalate	13.79	163	48506	5.134	ng	99
54) 2,4-Dinitrophenol	14.44	184	14	6.466	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.46	198	12	5.880	ng	# 1
71) Phenanthrene	17.12	178	298071	20.302	ng	99
72) Anthracene	17.21	178	74779	5.139	ng	98
75) Fluoranthene	19.10	202	569846	32.063	ng	99
78) Pyrene	19.45	202	536990	34.259	ng	99
81) Benzo(a)anthracene	21.16	228	262204	17.300	ng	98
83) Chrysene	21.22	228	230481	15.860	ng	98
86) Indeno(1,2,3-cd)pyrene	25.70	276	128424	7.261	ng	98
88) Benzo(b)fluoranthene	22.76	252	274859	19.378	ng	# 94
89) Benzo(k)fluoranthene	22.76	252	274859	20.230	ng	95
90) Benzo(a)pyrene	23.33	252	201955	15.211	ng	97
91) Dibenzo(a,h)anthracene	25.71	278	34699	2.630	ng	# 89
92) Benzo(g,h,i)perylene	26.39	276	124009	9.422	ng	97

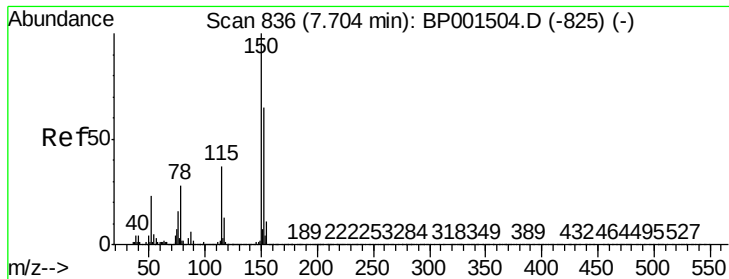
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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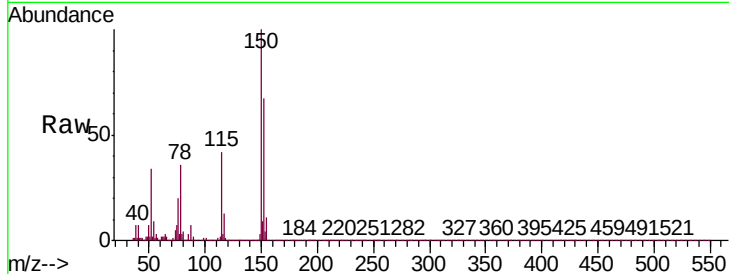


#1

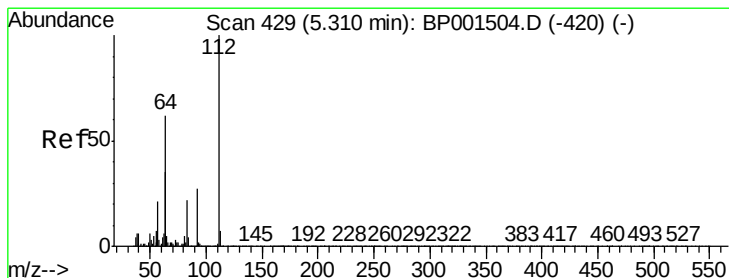
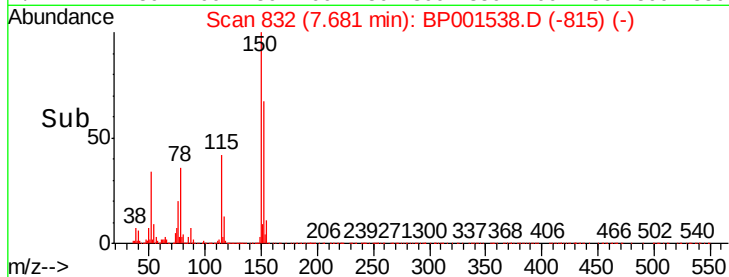
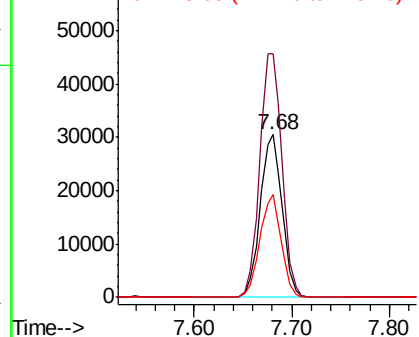
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. -0.00 min
Lab File: BP001538.D
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Instrument :
BNA_P
ClientSampleId :
GP-10-(1-3)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.4	117.9	176.9
115	63.4	50.3	75.5



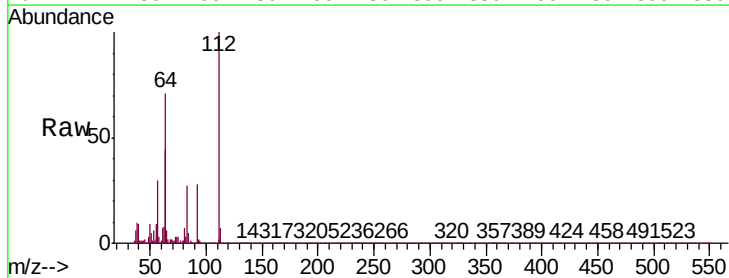
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



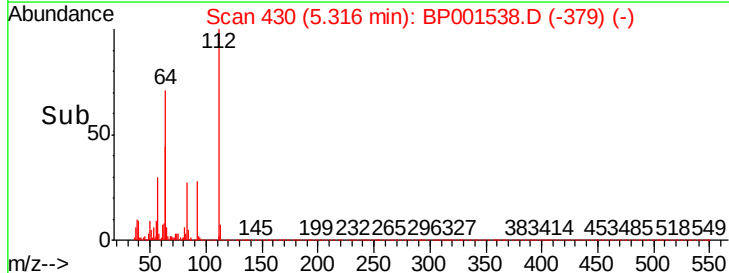
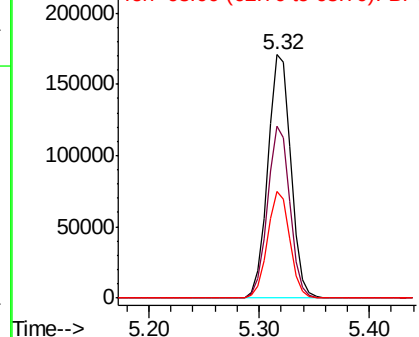
#5

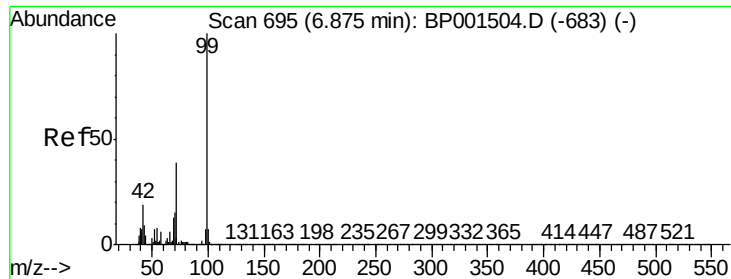
2-Fluorophenol
Concen: 87.242 ng
RT: 5.32 min Scan# 430
Delta R.T. -0.00 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	52.6	79.0
63	43.9	32.6	48.8



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: 95.011 ng

RT: 6.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Instrument :

BNA_P

ClientSampleId :

GP-10-(1-3)

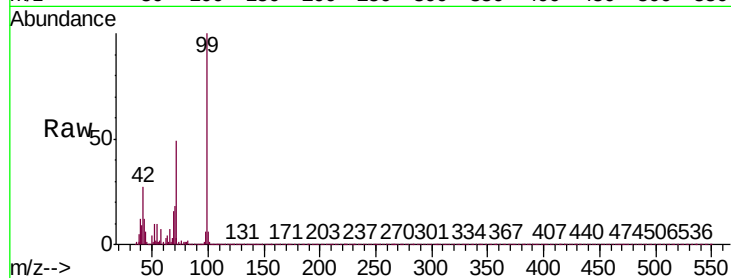
Tgt Ion: 99 Resp: 366371

Ion Ratio Lower Upper

99 100

42 27.2 21.2 31.8

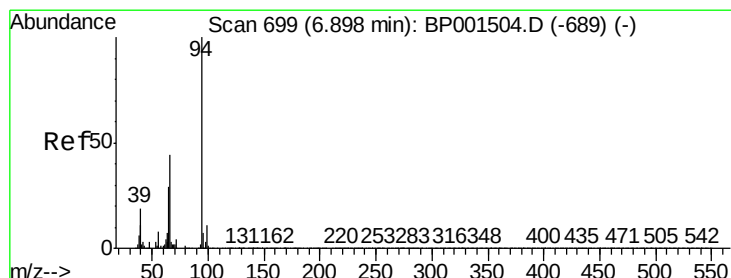
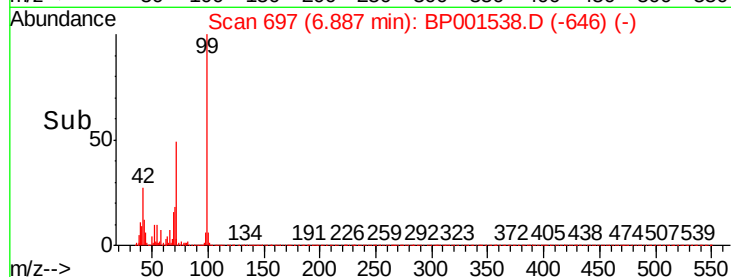
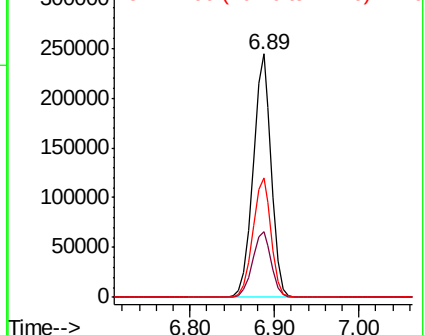
71 49.1 40.0 60.0



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



#10

Phenol

Concen: 3.382 ng

RT: 6.91 min Scan# 701

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

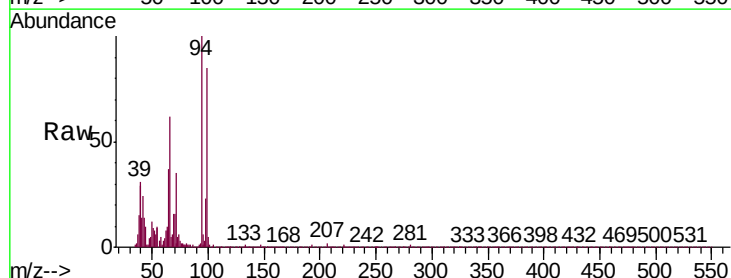
Tgt Ion: 94 Resp: 13719

Ion Ratio Lower Upper

94 100

65 37.1 15.7 55.7

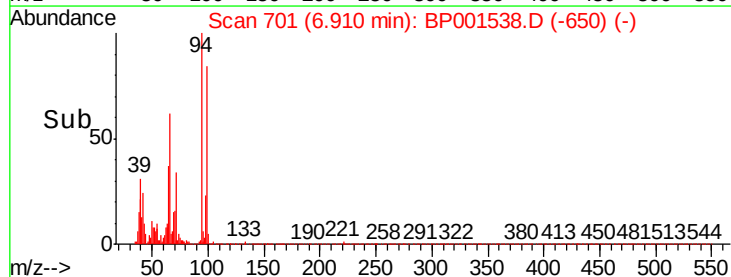
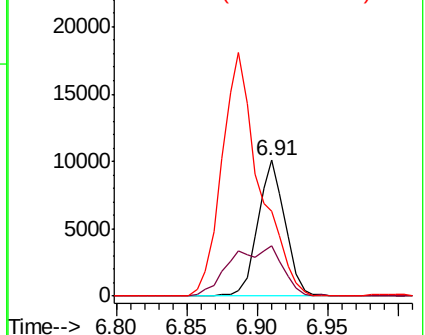
66 62.5 37.8 77.8

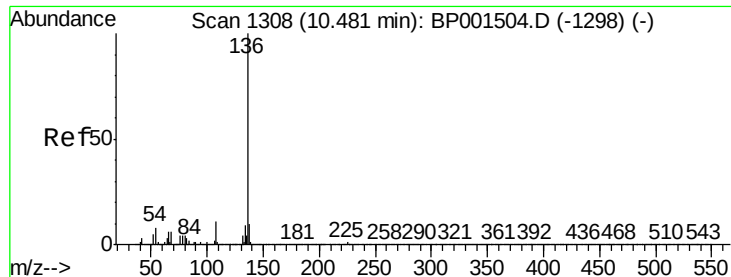


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

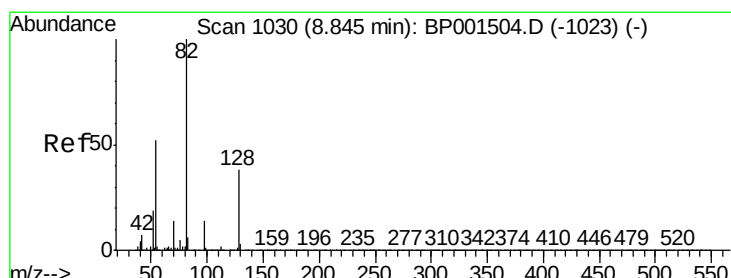
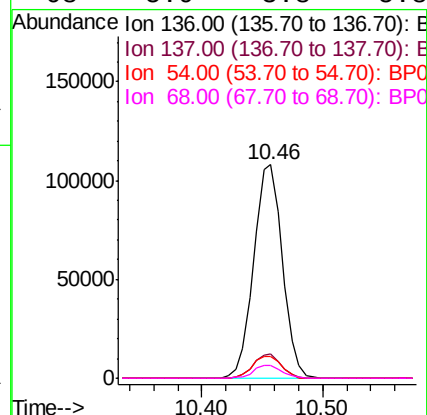
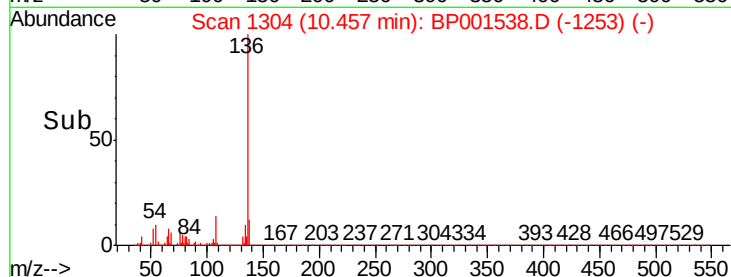
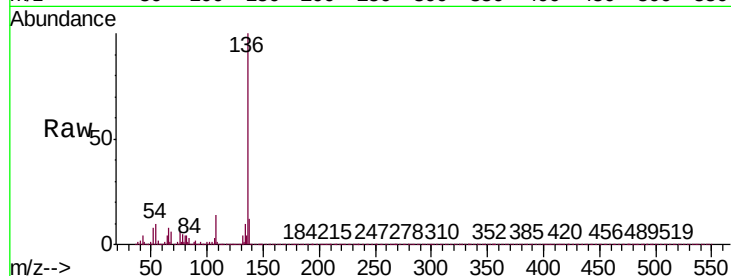




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

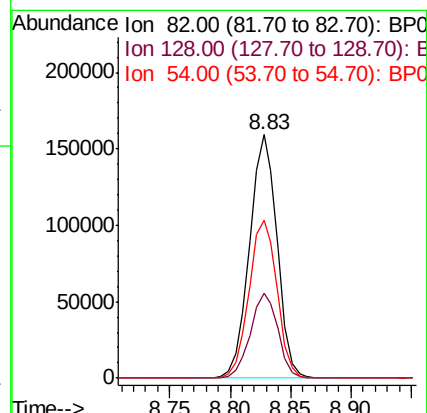
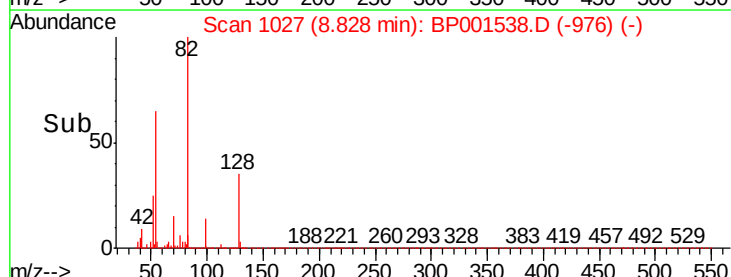
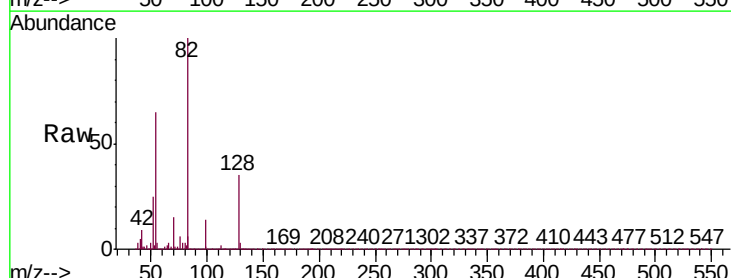
Instrument :
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GP-10-(1-3)

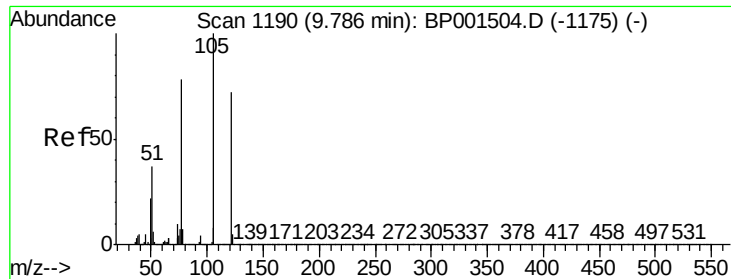
Tgt Ion:	136	Resp:	179332
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.4	12.6
54	10.5	8.4	12.6
68	5.9	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 69.665 ng
RT: 8.83 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

Tgt Ion:	82	Resp:	252938
Ion	Ratio	Lower	Upper
82	100		
128	34.7	26.9	40.3
54	64.8	51.8	77.8

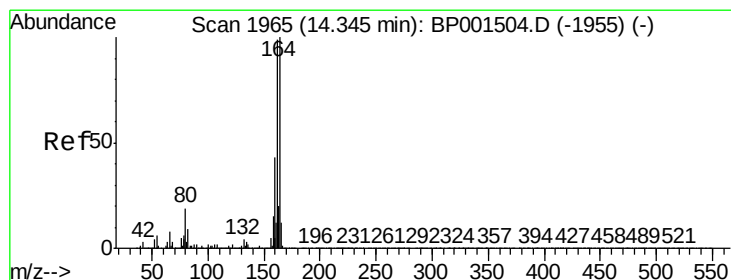
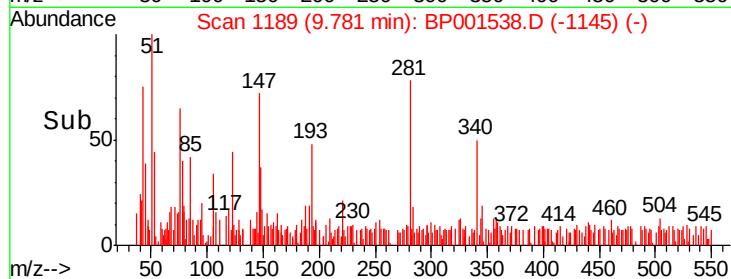
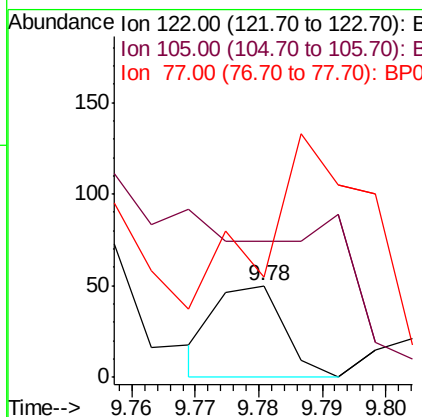
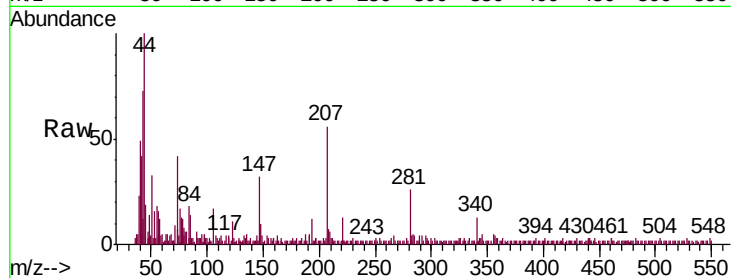




#32
Benzoic acid
Concen: 7.787 ng
RT: 9.78 min Scan# 1189
Delta R.T. -0.04 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

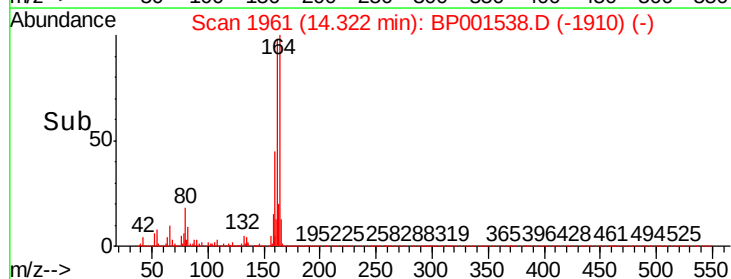
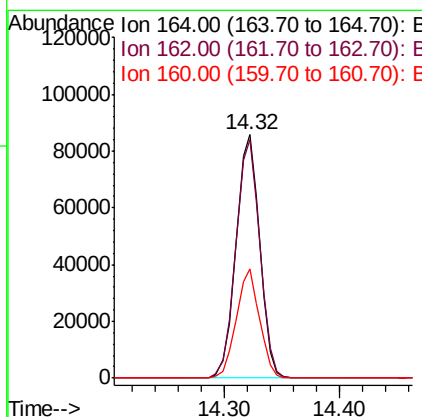
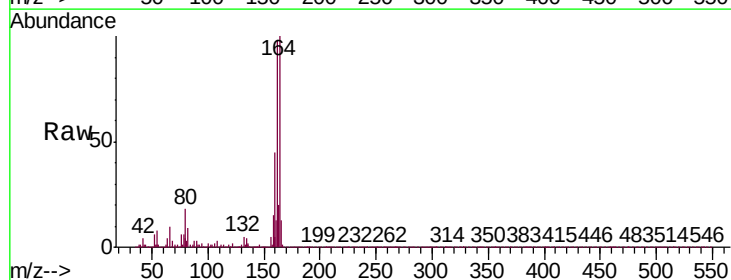
Instrument :
BNA_P
ClientSampleId :
GP-10-(1-3)

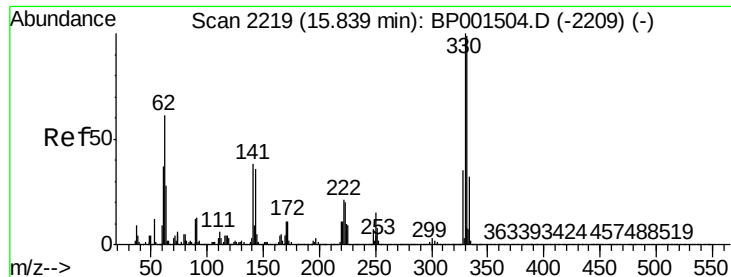
Tgt Ion:122 Resp: 37
Ion Ratio Lower Upper
122 100
105 148.0 111.0 151.0
77 110.0 96.4 136.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

Tgt Ion:164 Resp: 120864
Ion Ratio Lower Upper
164 100
162 97.9 79.0 118.4
160 45.1 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 115.090 ng

RT: 15.82 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Instrument :

BNA_P

ClientSampled :

GP-10-(1-3)

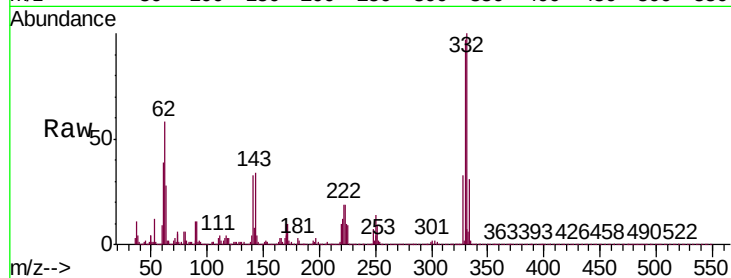
Tgt Ion:330 Resp: 157432

Ion Ratio Lower Upper

330 100

332 99.0 78.0 117.0

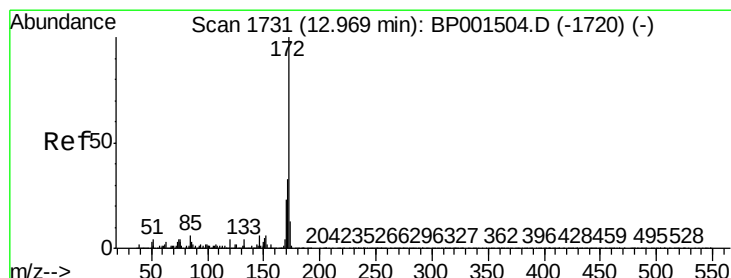
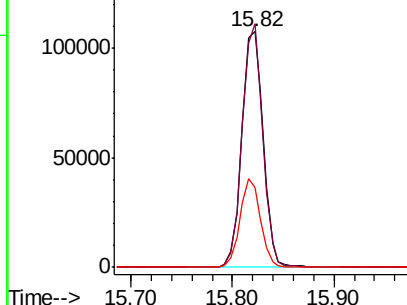
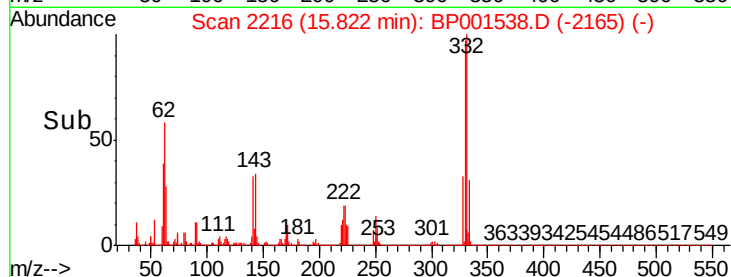
141 36.2 28.7 43.1



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: 66.059 ng

RT: 12.94 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

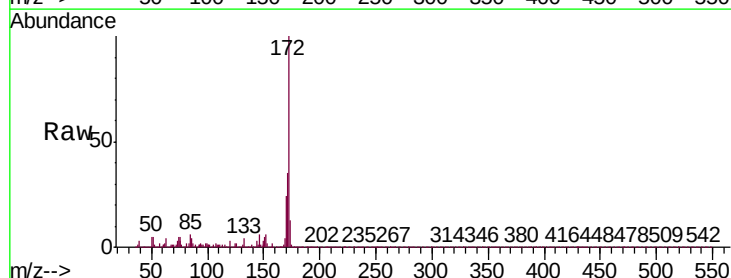
Tgt Ion:172 Resp: 542992

Ion Ratio Lower Upper

172 100

171 34.6 28.0 42.0

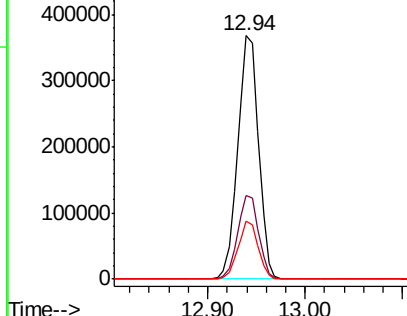
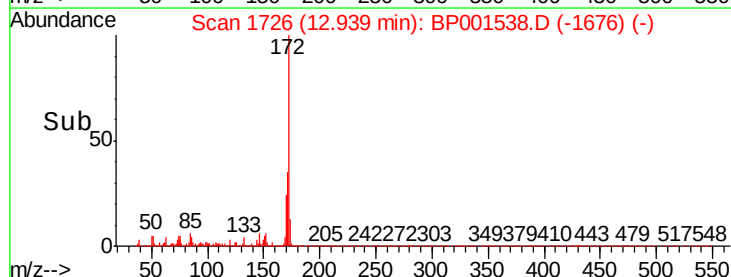
170 23.7 18.6 27.8

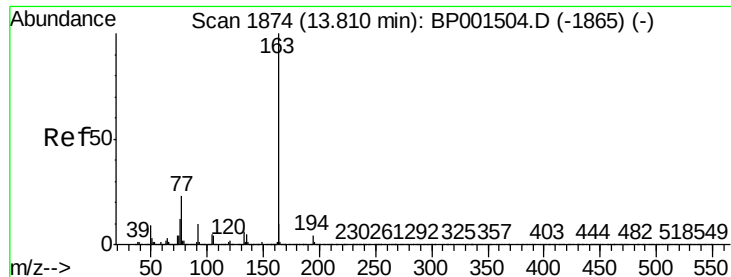


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

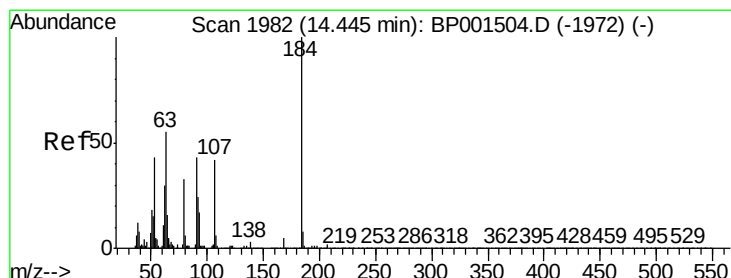
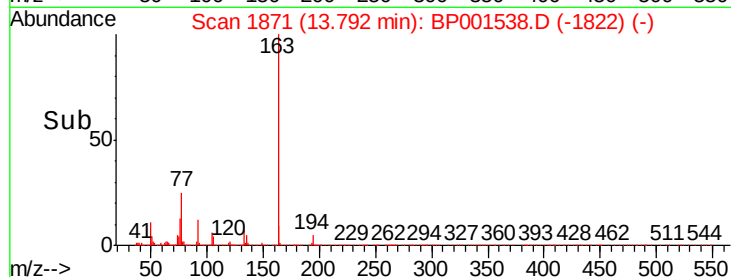
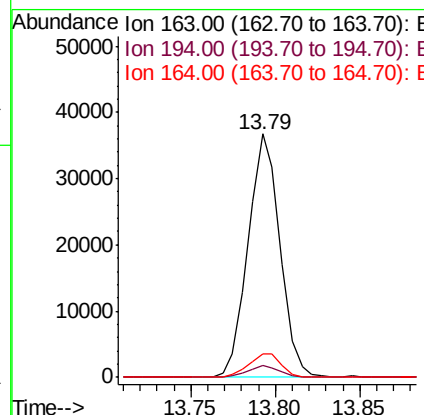
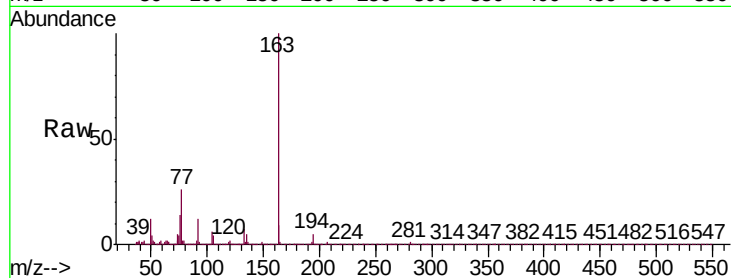




#50
Dimethylphthalate
Concen: 5.134 ng
RT: 13.79 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

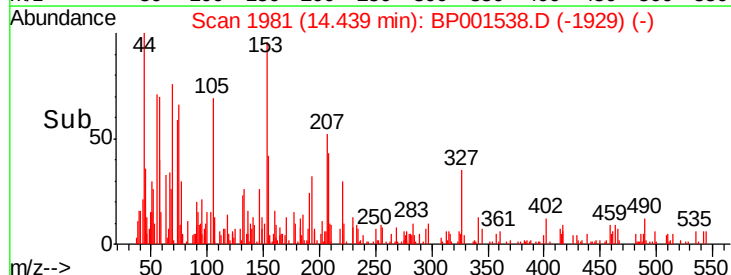
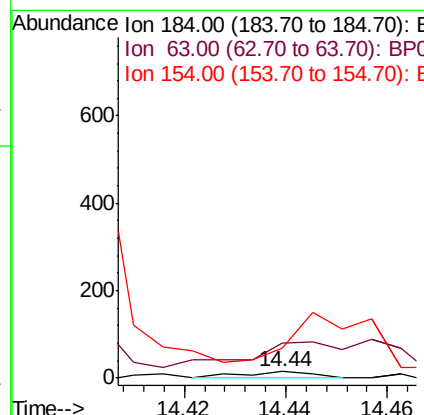
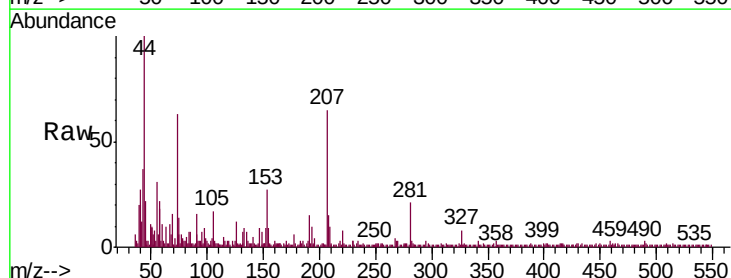
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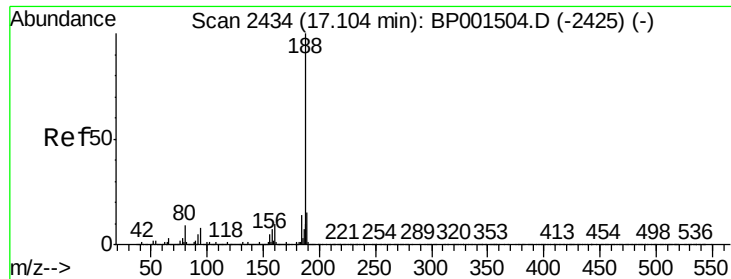
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	9.5	7.9	11.9



#54
2,4-Dinitrophenol
Concen: 6.466 ng
RT: 14.44 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

Tgt Ion	Ratio	Lower	Upper
184	100		
63	526.7	61.7	92.5#
154	460.0	58.9	88.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Instrument :

BNA_P

ClientSampleId :

GP-10-(1-3)

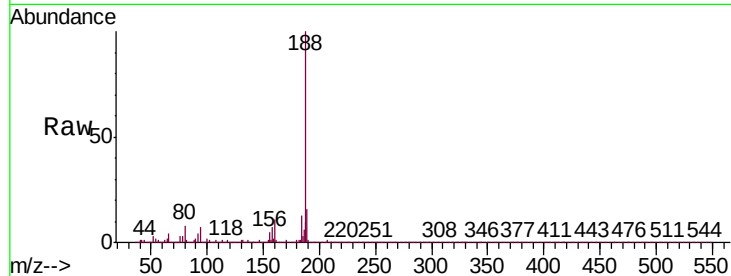
Tgt Ion:188 Resp: 270688

Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.0

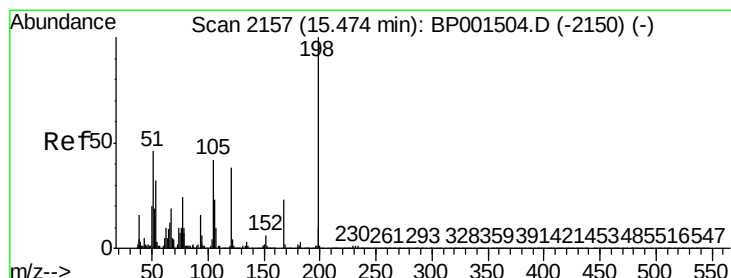
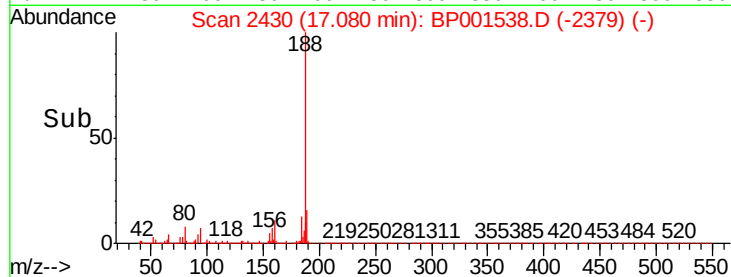
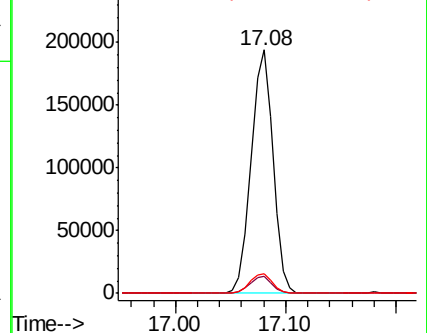
80 7.9 6.3 9.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.880 ng

RT: 15.46 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

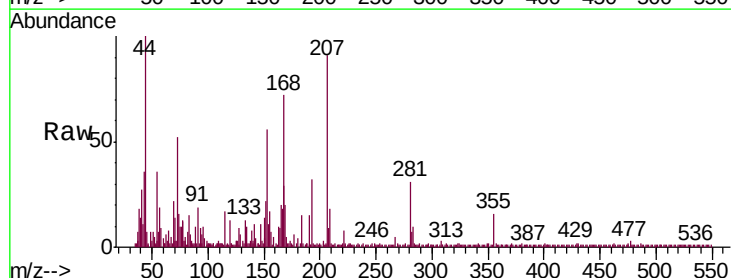
Tgt Ion:198 Resp: 12

Ion Ratio Lower Upper

198 100

51 226.9 35.4 75.4#

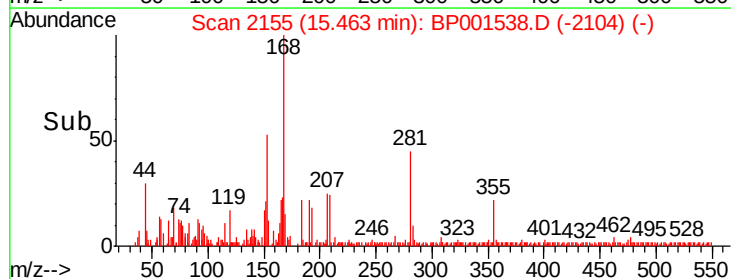
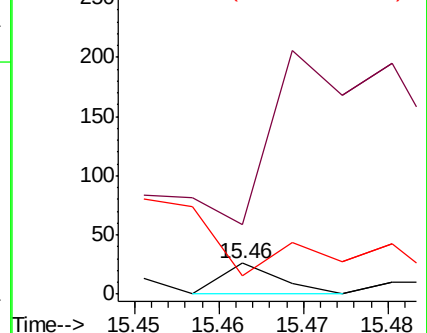
105 61.5 18.3 58.3#

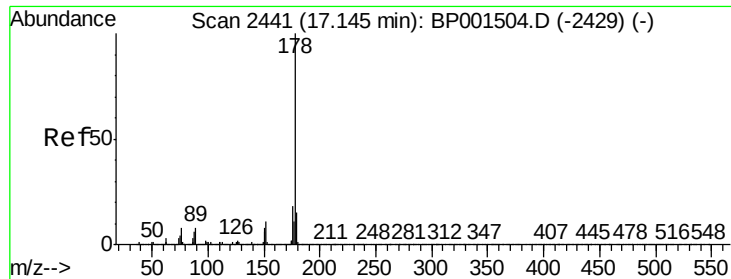


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

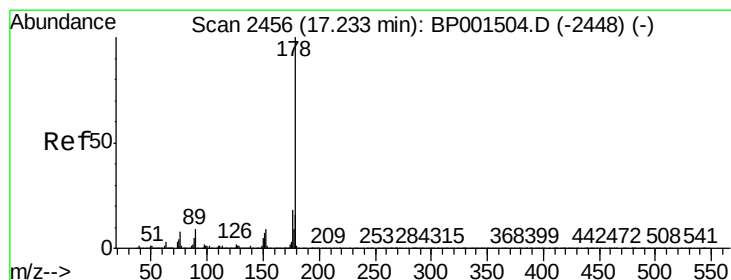
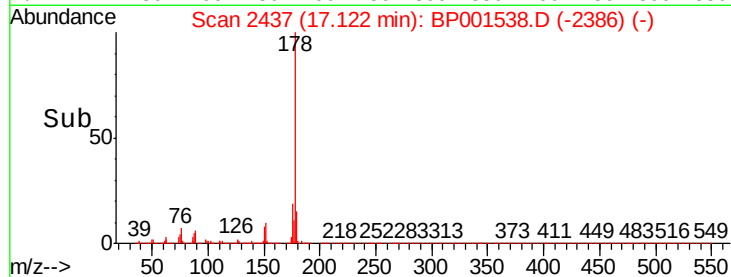
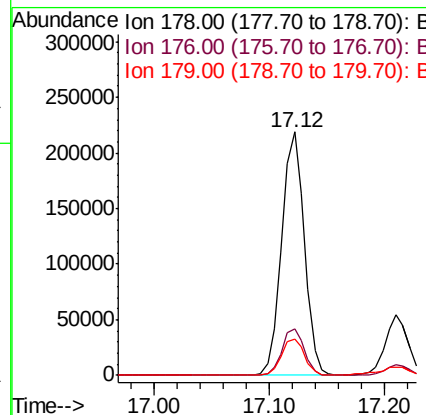
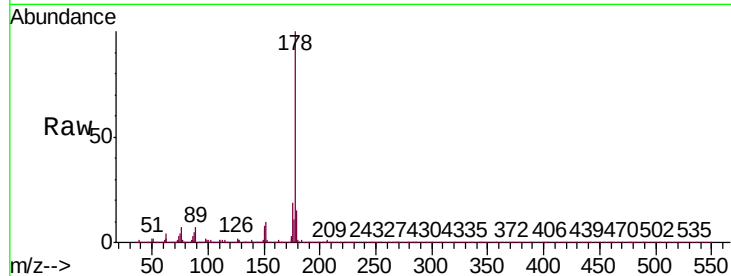




#71
Phenanthrene
Concen: 20.302 ng
RT: 17.12 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

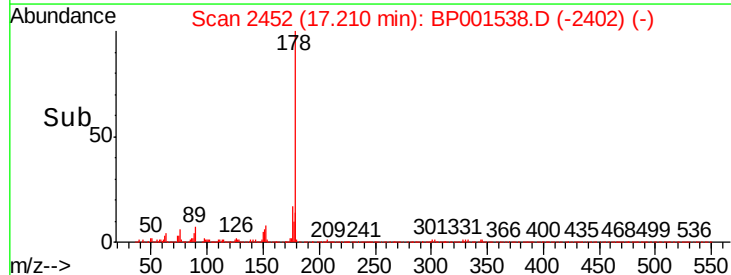
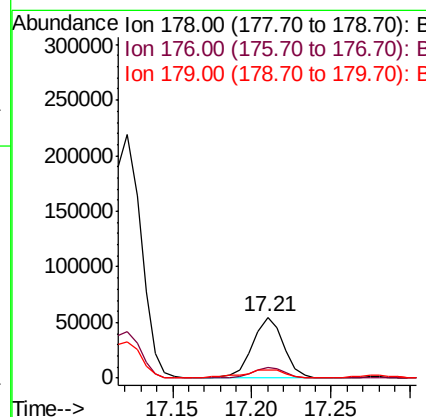
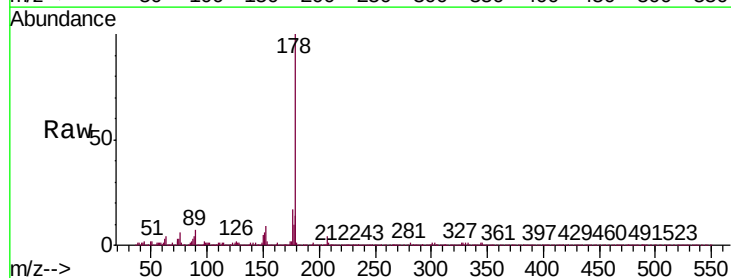
Instrument :
BNA_P
ClientSampleId :
GP-10-(1-3)

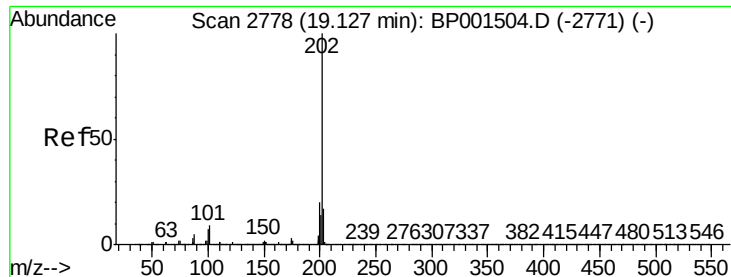
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.1	12.2	18.4



#72
Anthracene
Concen: 5.139 ng
RT: 17.21 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.7	22.1
179	14.2	12.2	18.2





#75

Fluoranthene

Concen: 32.063 ng

RT: 19.10 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Instrument :

BNA_P

ClientSampleId :

GP-10-(1-3)

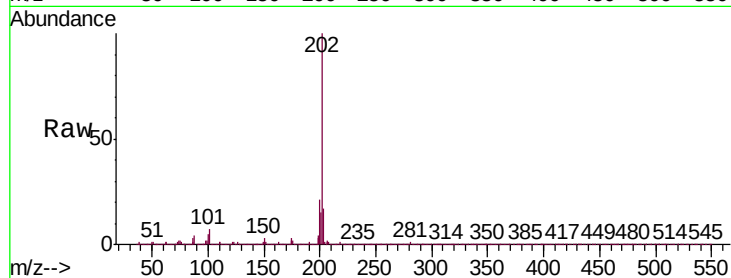
Tgt Ion: 202 Resp: 569846

Ion Ratio Lower Upper

202 100

101 7.2 0.0 27.1

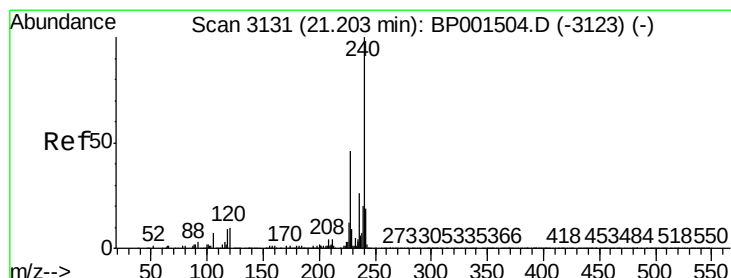
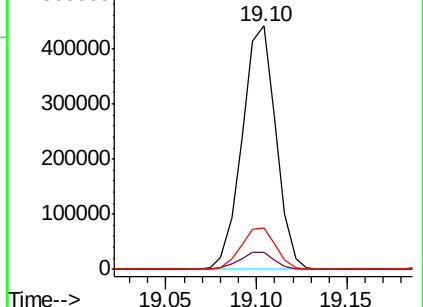
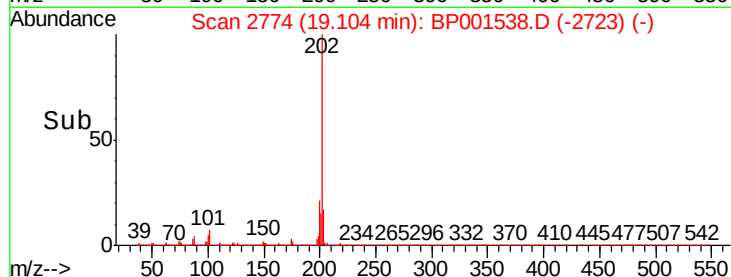
203 17.2 0.0 37.6



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: 21.18 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

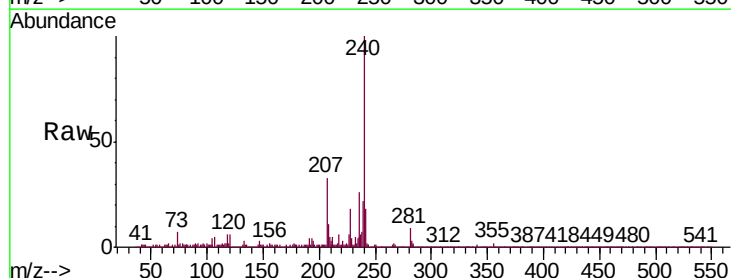
Tgt Ion: 240 Resp: 216002

Ion Ratio Lower Upper

240 100

120 6.3 5.2 7.8

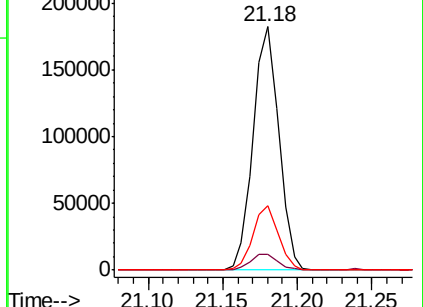
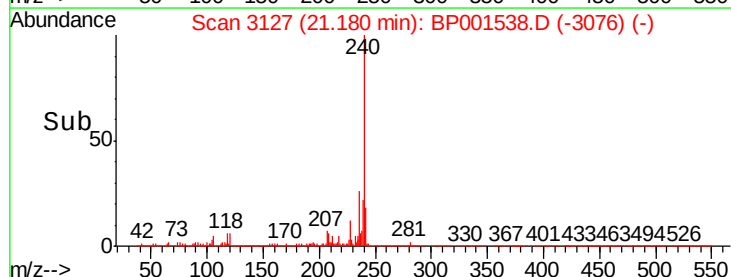
236 26.3 21.4 32.2

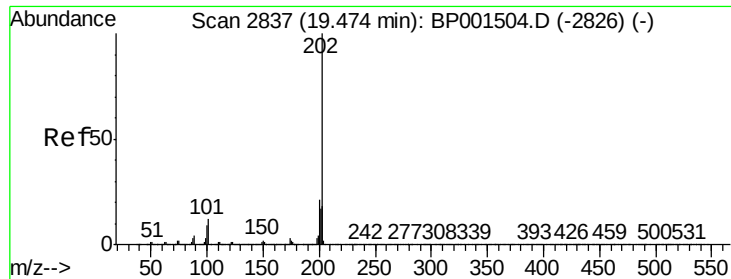


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

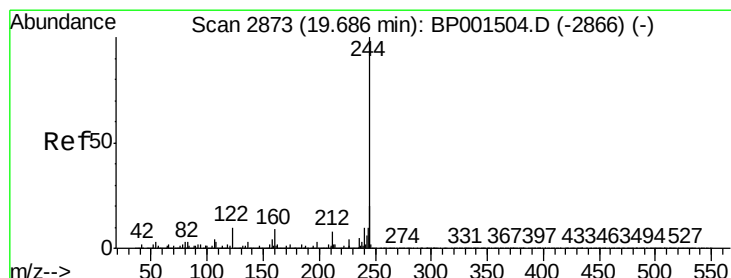
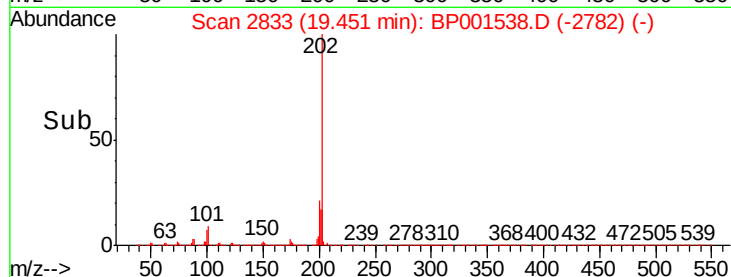
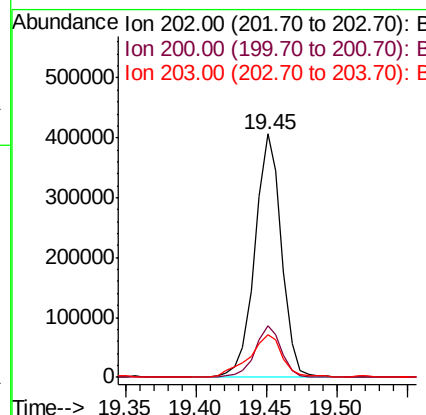
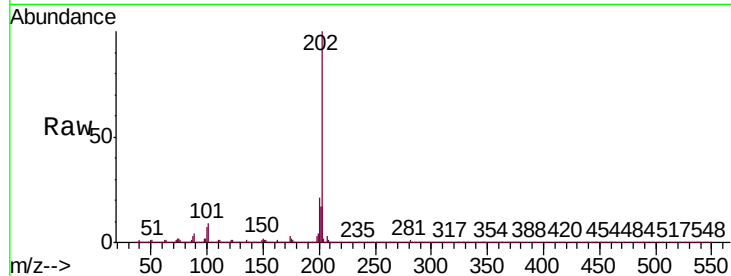




#78
 Pyrene
 Concen: 34.259 ng
 RT: 19.45 min Scan# 2833
 Delta R.T. -0.00 min
 Lab File: BP001538.D
 Acq: 06 Jan 2020 19:54

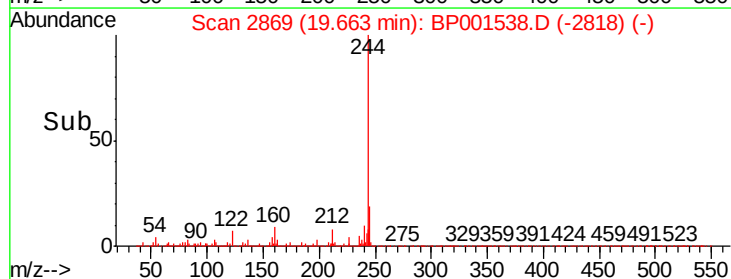
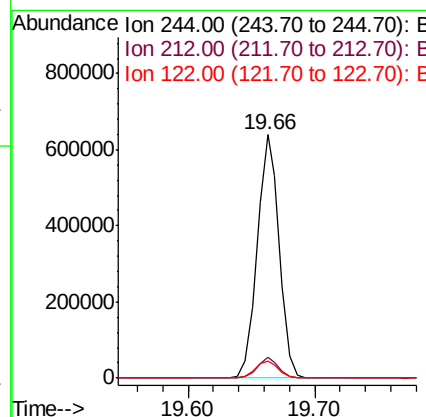
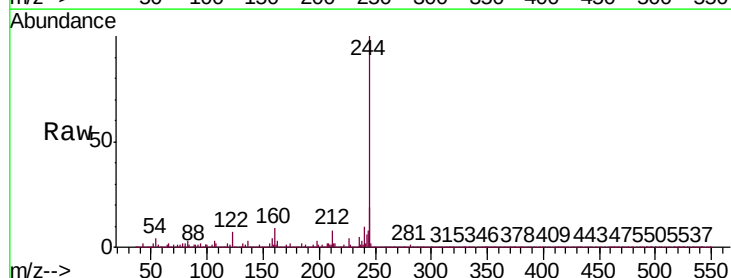
Instrument :
 BNA_P
 ClientSampleId :
 GP-10-(1-3)

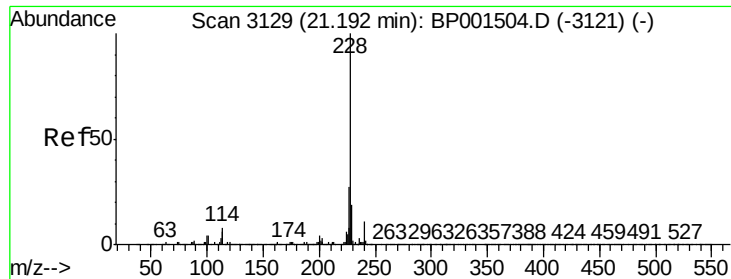
Tgt Ion:	202	Resp:	536990
Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.2	24.4
203	17.5	13.6	20.4



#79
 Terphenyl-d14
 Concen: 70.931 ng
 RT: 19.66 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: BP001538.D
 Acq: 06 Jan 2020 19:54

Tgt Ion:	244	Resp:	768799
Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.7	10.1
122	7.1	6.0	9.0

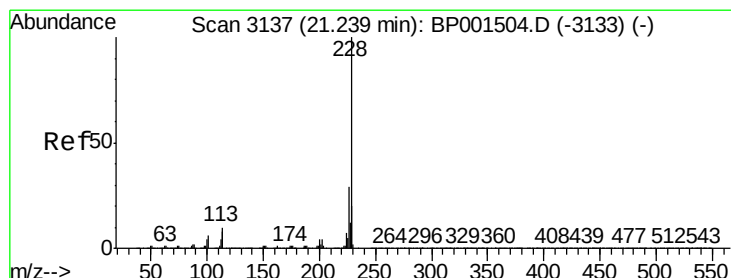
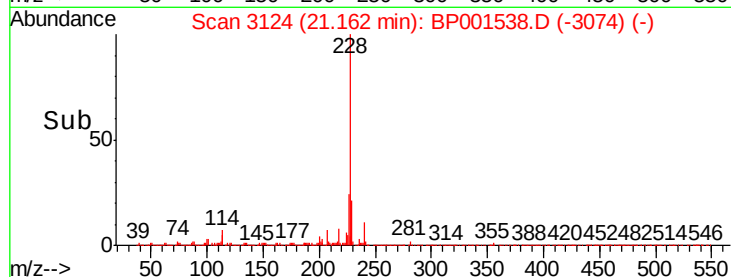
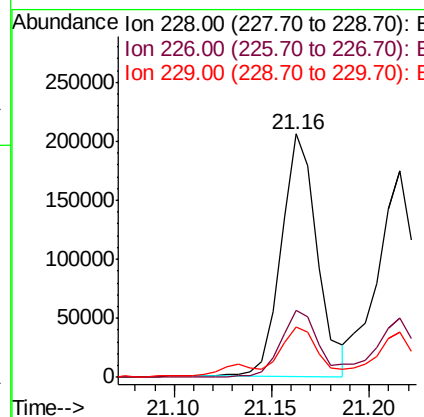
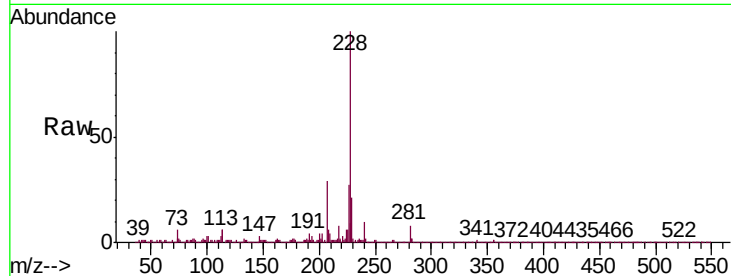




#81
Benzo(a)anthracene
Concen: 17.300 ng
RT: 21.16 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

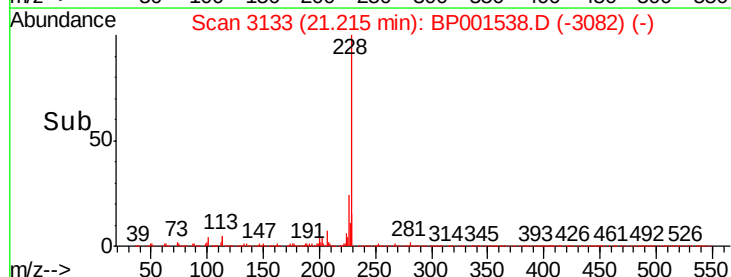
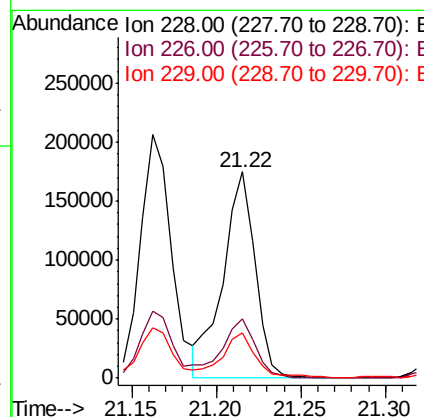
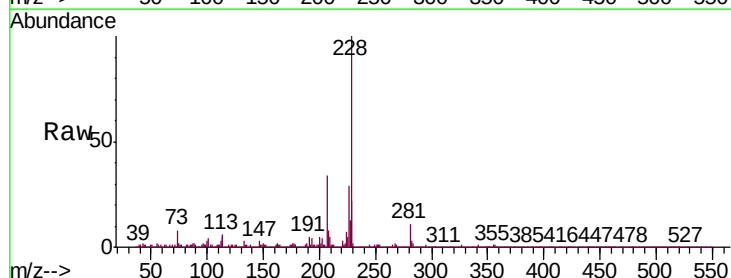
Instrument :
BNA_P
ClientSampleId :
GP-10-(1-3)

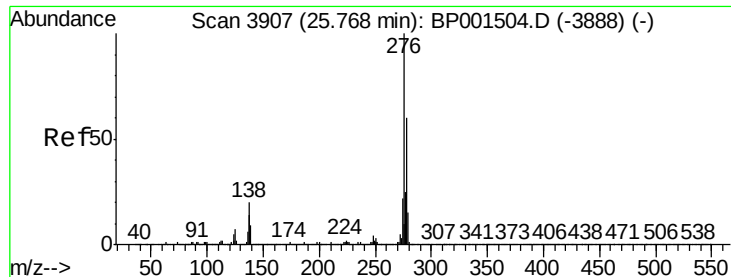
Tgt Ion:228 Resp: 262204
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 20.8 15.5 23.3



#83
Chrysene
Concen: 15.860 ng
RT: 21.22 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BP001538.D
Acq: 06 Jan 2020 19:54

Tgt Ion:228 Resp: 230481
Ion Ratio Lower Upper
228 100
226 29.0 23.1 34.7
229 22.2 15.6 23.4





#86

Indeno(1,2,3-cd)pyrene

Concen: 7.261 ng

RT: 25.70 min Scan# 3895

Delta R.T. -0.01 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Instrument :

BNA_P

ClientSampleId :

GP-10-(1-3)

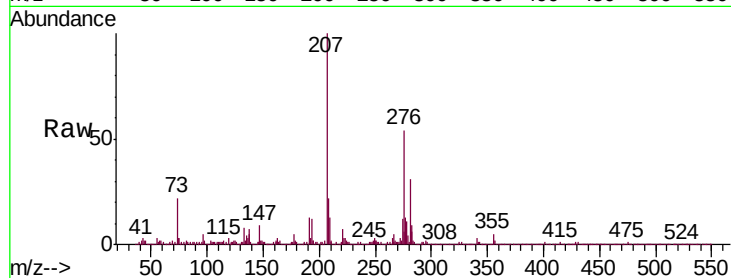
Tgt Ion:276 Resp: 128424

Ion Ratio Lower Upper

276 100

138 12.8 11.0 16.6

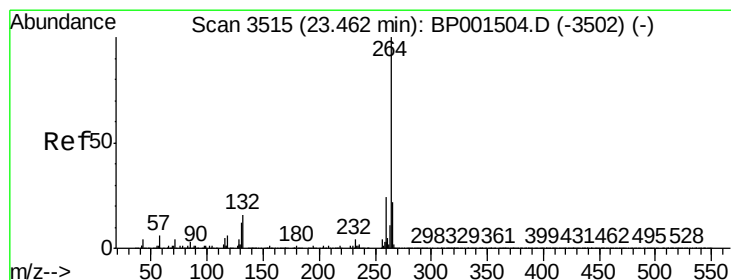
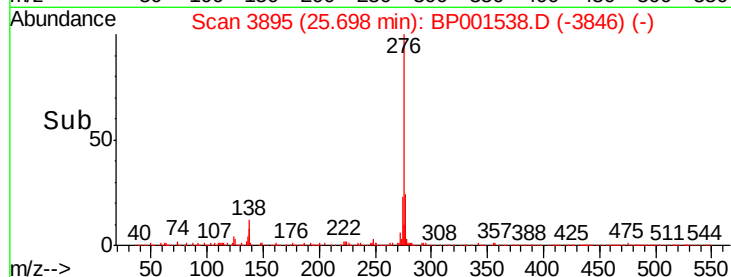
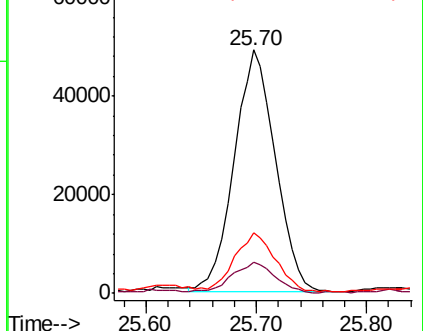
277 24.1 20.1 30.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.43 min Scan# 3509

Delta R.T. -0.00 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

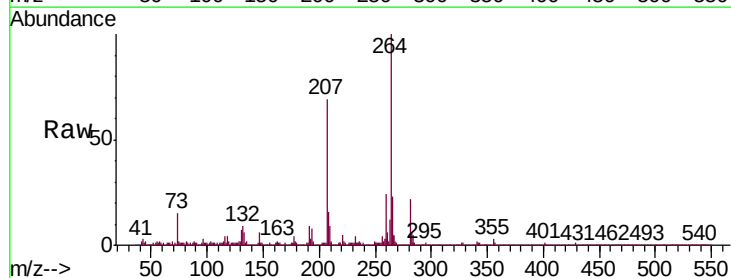
Tgt Ion:264 Resp: 229078

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

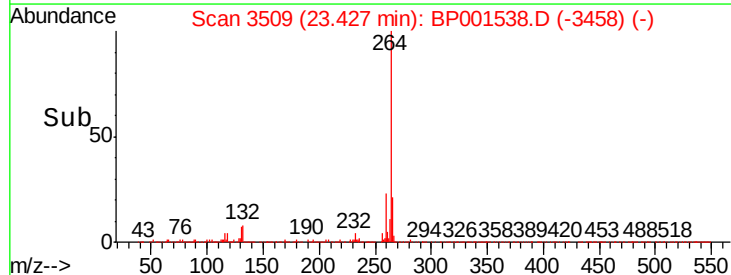
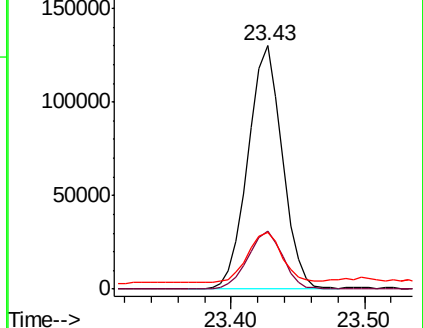
265 23.1 19.0 28.4

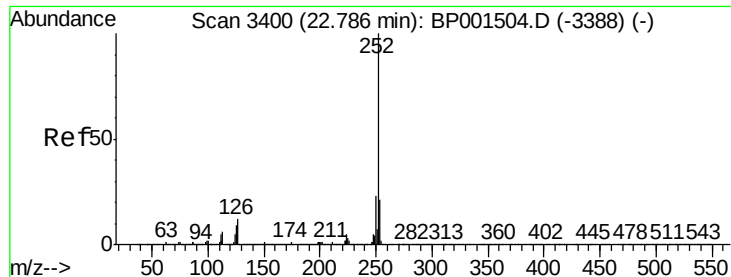


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 19.378 ng

RT: 22.76 min Scan# 3395

Delta R.T. 0.01 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

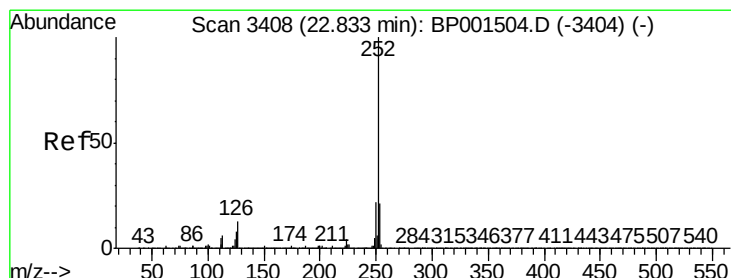
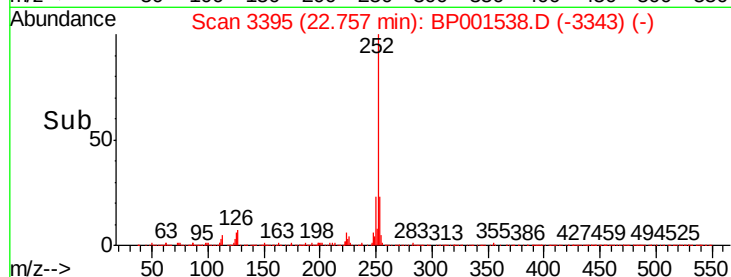
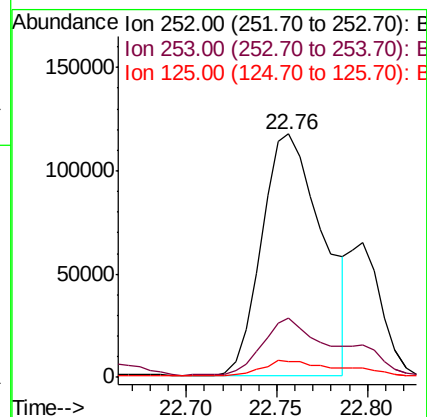
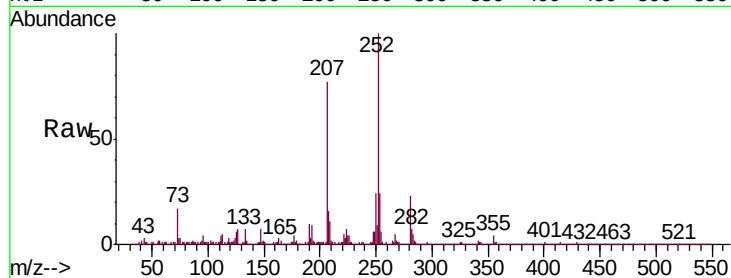
Instrument :

BNA_P

ClientSampleId :

GP-10-(1-3)

Tgt Ion:	252	Resp:	274859
Ion Ratio	Lower	Upper	
252	100		
253	24.3	16.7	25.1
125	6.3	4.2	6.2#



#89

Benzo(k)fluoranthene

Concen: 20.230 ng

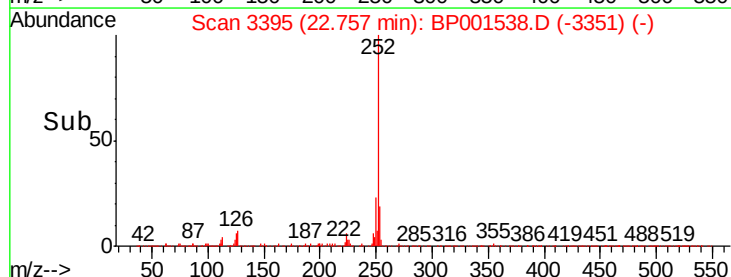
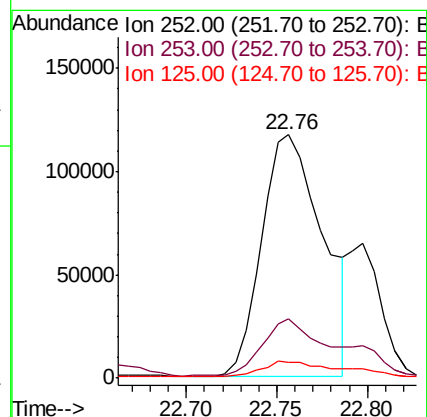
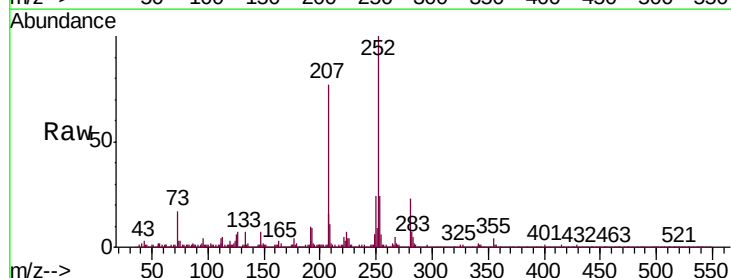
RT: 22.76 min Scan# 3395

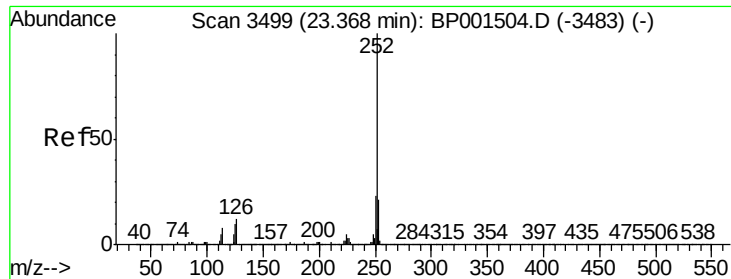
Delta R.T. -0.04 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Tgt Ion:	252	Resp:	274859
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.3	25.9
125	6.3	4.8	7.2





#90

Benzo(a)pyrene

Concen: 15.211 ng

RT: 23.33 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Instrument :

BNA_P

ClientSampled :

GP-10-(1-3)

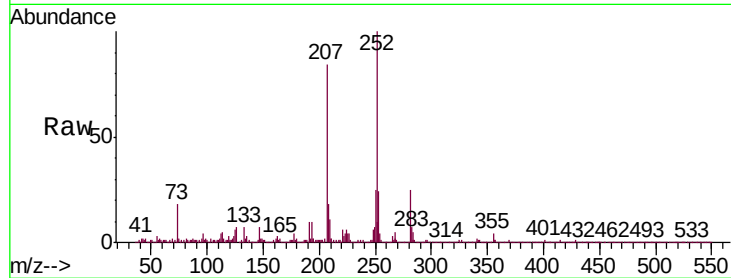
Tgt Ion:252 Resp: 201955

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

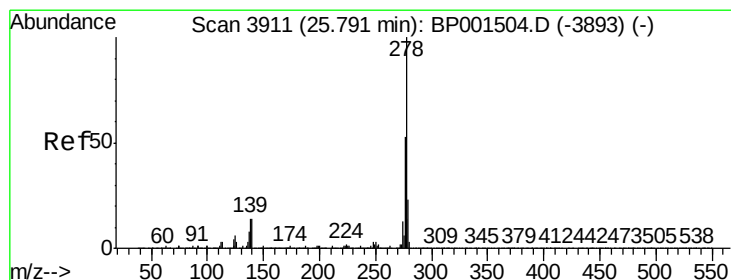
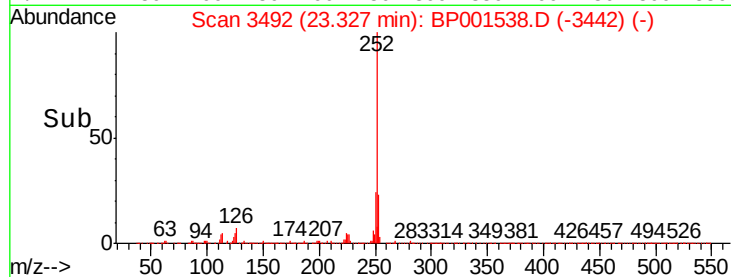
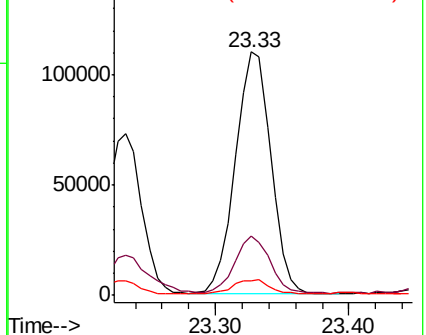
125 5.9 4.6 6.8



Abundance Ion 252.00 (251.70 to 252.70): E

150000 Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.630 ng

RT: 25.71 min Scan# 3897

Delta R.T. -0.02 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

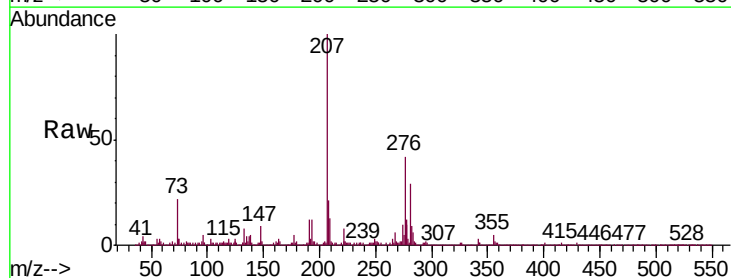
Tgt Ion:278 Resp: 34699

Ion Ratio Lower Upper

278 100

139 19.1 7.2 10.8#

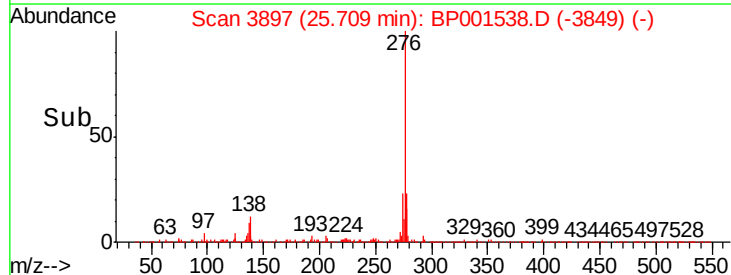
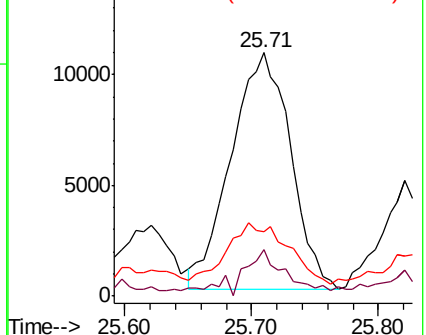
279 26.4 19.2 28.8

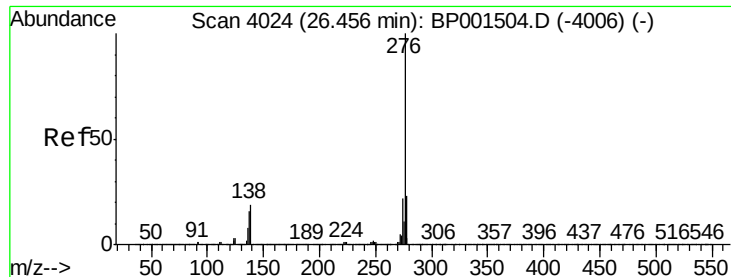


Abundance Ion 278.00 (277.70 to 278.70): E

15000 Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 9.422 ng

RT: 26.39 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BP001538.D

Acq: 06 Jan 2020 19:54

Instrument :

BNA_P

ClientSampleId :

GP-10-(1-3)

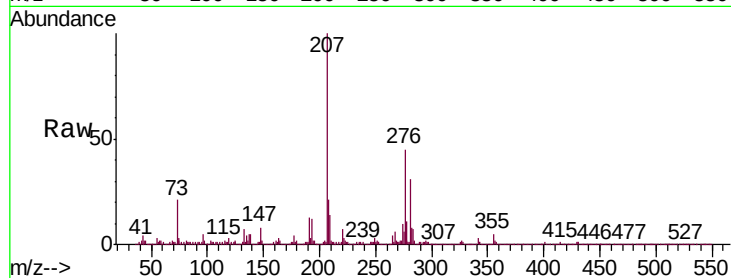
Tgt Ion: 276 Resp: 124009

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 11.4 10.1 15.1



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

