

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
 Data File : BP001534.D
 Acq On : 06 Jan 2020 17:39
 Operator : JU
 Sample : K6471-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 06 18:16:16 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	51458	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	202607	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	134593	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	293968	20.00	ng	0.00
76) Chrysene-d12	21.18	240	222355	20.00	ng	0.00
87) Perylene-d12	23.43	264	231381	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	58719	19.17	ng	0.00
7) Phenol-d6	6.89	99	86973	21.08	ng	0.00
23) Nitrobenzene-d5	8.83	82	58890	14.36	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	32484	21.32	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	131727	14.39	ng	0.00
79) Terphenyl-d14	19.66	244	181396	16.26	ng	0.00

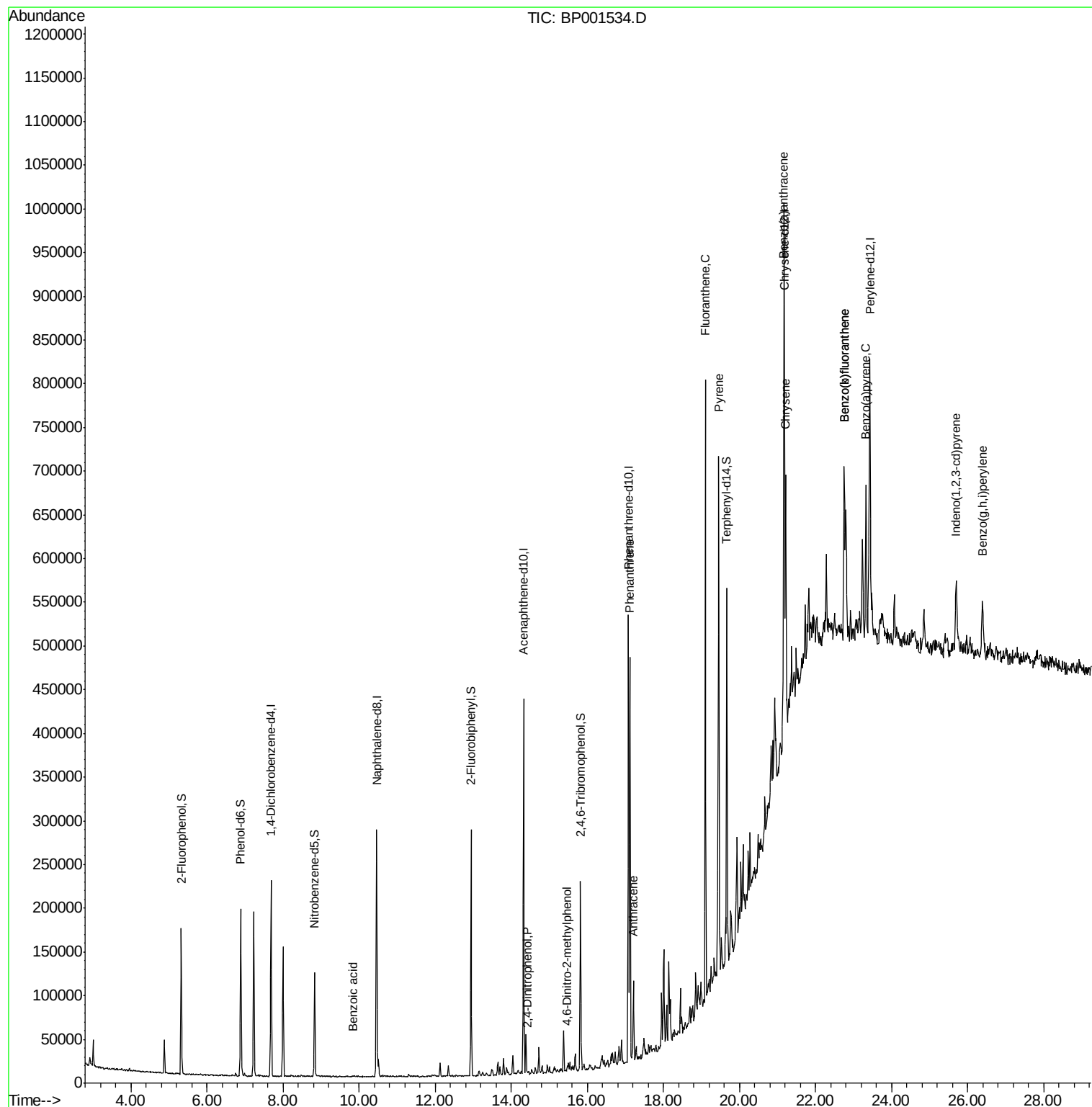
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.83	77	114	Below Cal		# 20
32) Benzoic acid	9.83	122	56	7.793	ng	# 53
54) 2,4-Dinitrophenol	14.43	184	19	6.469	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.45	198	13	5.880	ng	# 1
71) Phenanthrene	17.12	178	265146	16.630	ng	99
72) Anthracene	17.22	178	54491	3.448	ng	97
75) Fluoranthene	19.10	202	405444	21.006	ng	99
78) Pyrene	19.46	202	373208	23.130	ng	99
81) Benzo(a)anthracene	21.16	228	166907	10.698	ng	97
83) Chrysene	21.22	228	162718	10.877	ng	98
86) Indeno(1,2,3-cd)pyrene	25.70	276	79727	4.379	ng	97
88) Benzo(b)fluoranthene	22.76	252	243154	16.972	ng	# 95
89) Benzo(k)fluoranthene	22.76	252	243154	17.718	ng	97
90) Benzo(a)pyrene	23.33	252	142830	10.650	ng	97
92) Benzo(a,h,i)perylene	26.39	276	78461	5.902	ng	98

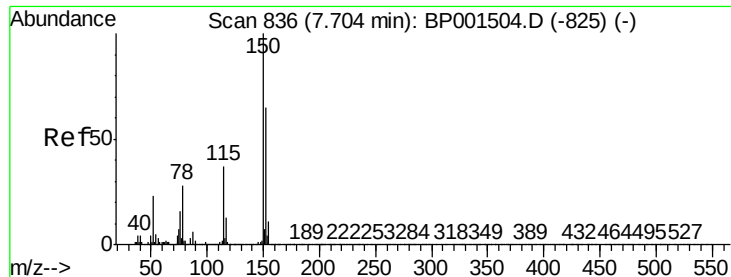
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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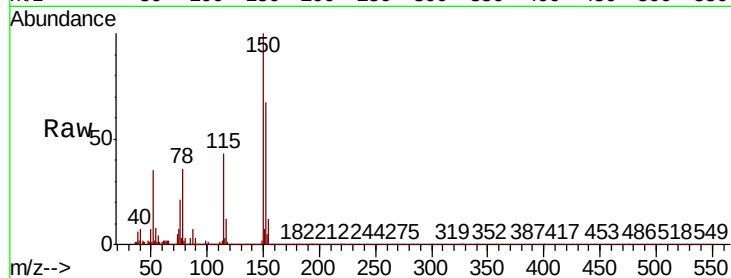


#1

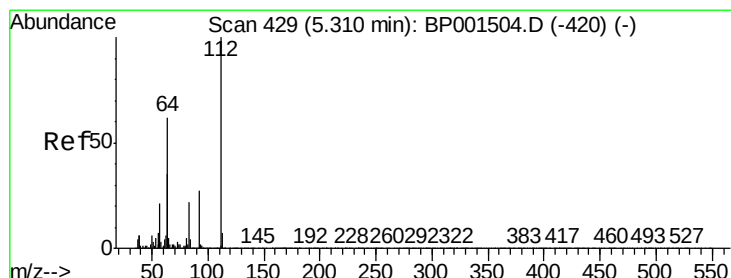
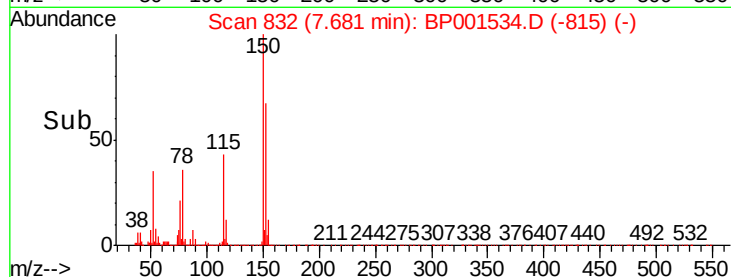
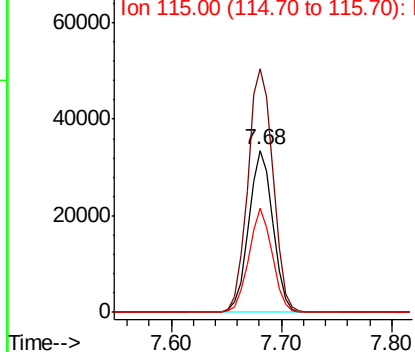
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. -0.00 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 51458
Ion Ratio Lower Upper
152 100
150 150.0 117.9 176.9
115 64.0 50.3 75.5



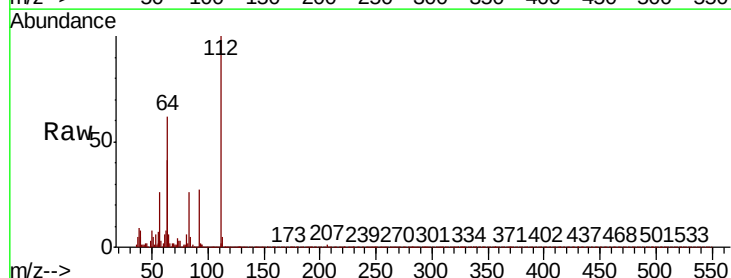
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



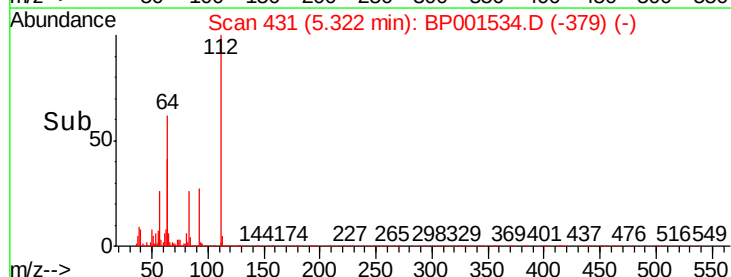
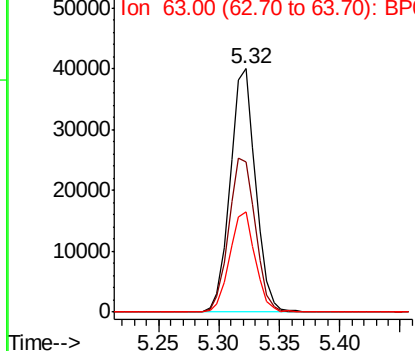
#5

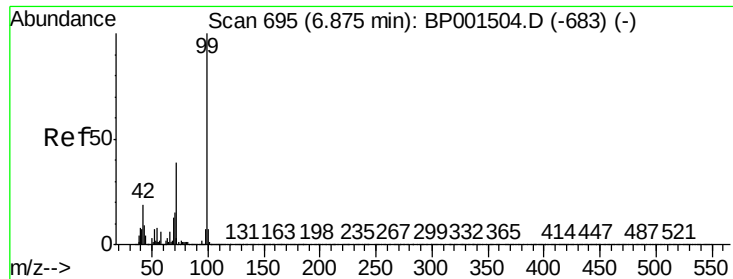
2-Fluorophenol
Concen: 19.171 ng
RT: 5.32 min Scan# 431
Delta R.T. 0.01 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Tgt Ion:112 Resp: 58719
Ion Ratio Lower Upper
112 100
64 61.5 52.6 79.0
63 41.2 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: 21.082 ng

RT: 6.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampleId :

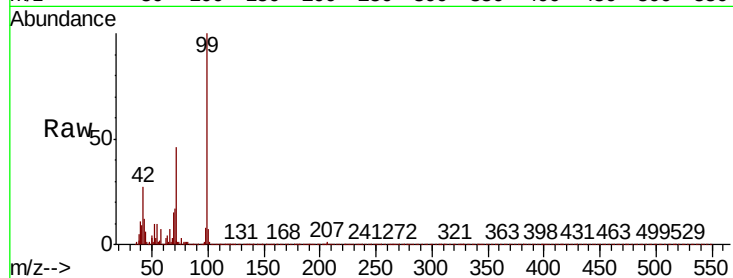
Tot Ion: 99 Resp: 86973

Ion Ratio Lower Upper

99 100

42 26.9 21.2 31.8

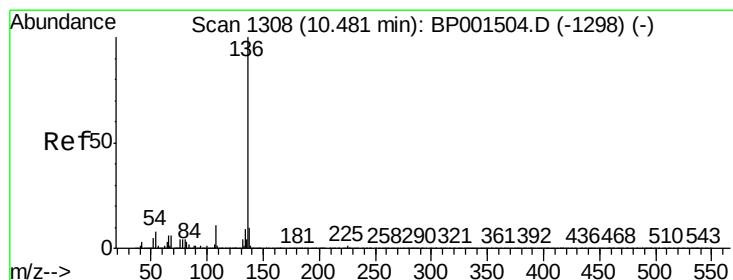
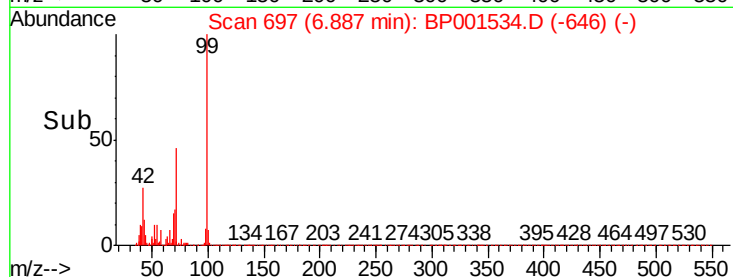
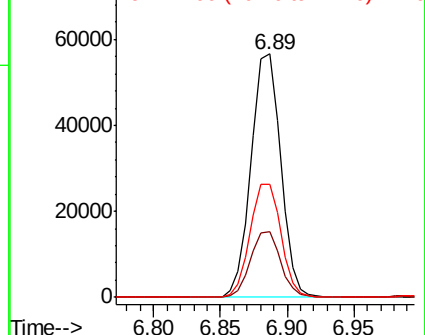
71 46.3 40.0 60.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Tgt Ion: 136 Resp: 202607

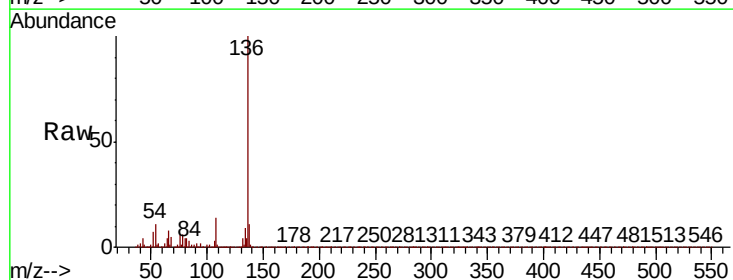
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 10.8 8.4 12.6

68 5.1 3.8 5.8

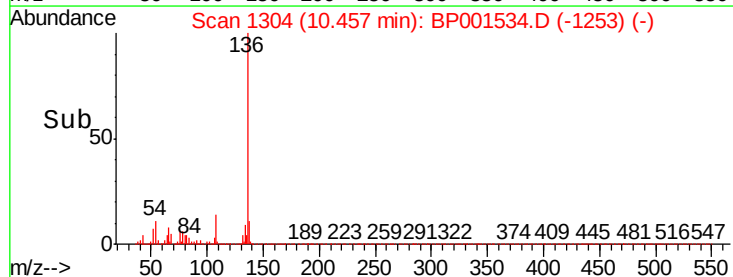
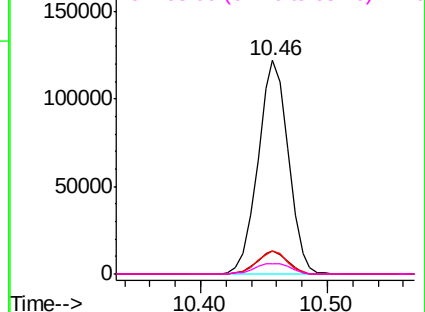


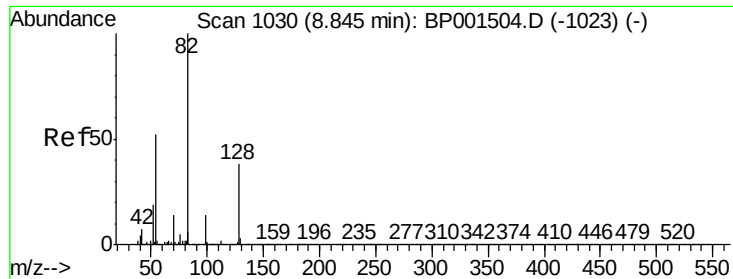
Abundance Ion 136.00 (135.70 to 136.70): E

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

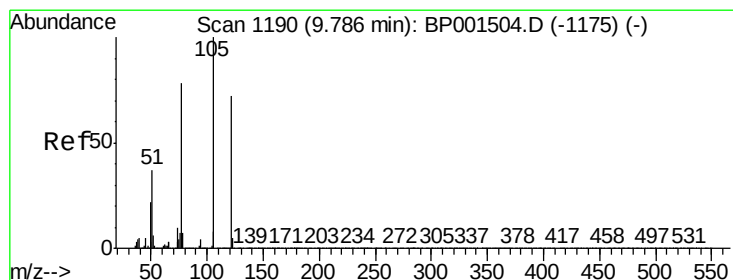
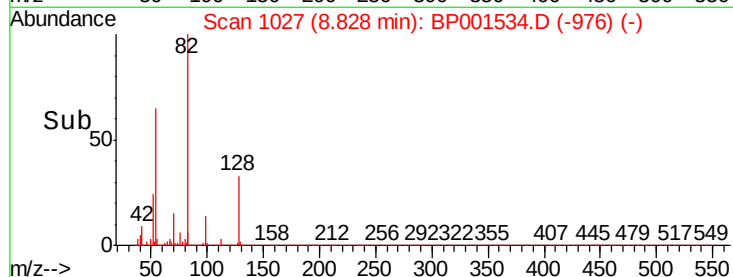
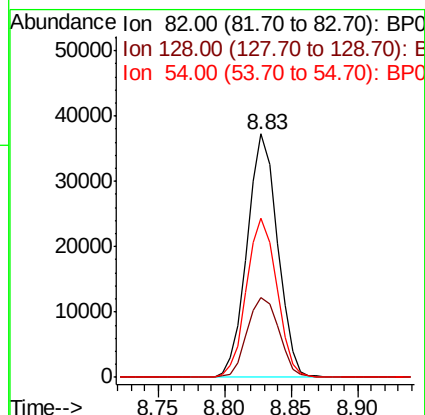
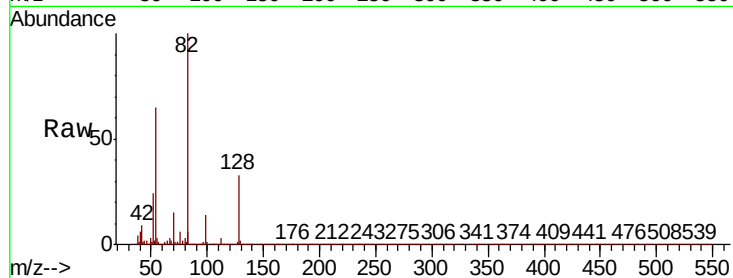




#23
 Nitrobenzene-d5
 Concen: 14.356 ng
 RT: 8.83 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

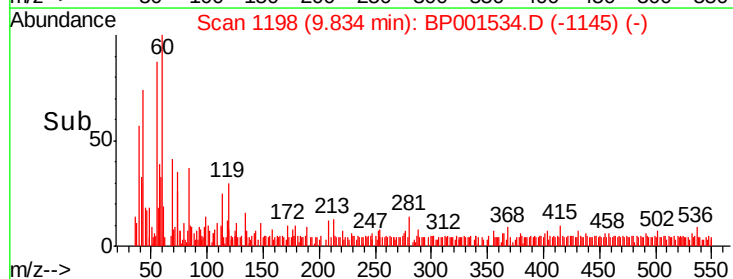
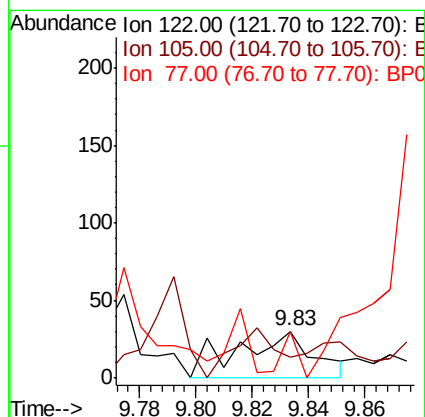
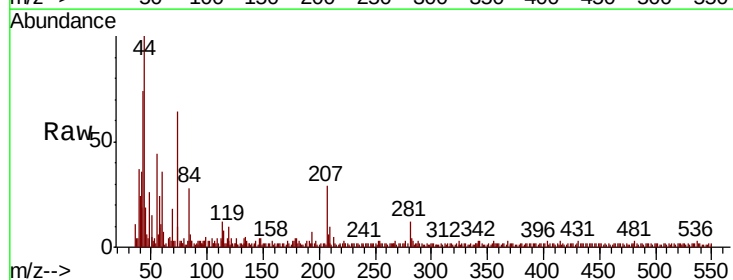
Instrument :
 BNA_P
 ClientSampled :

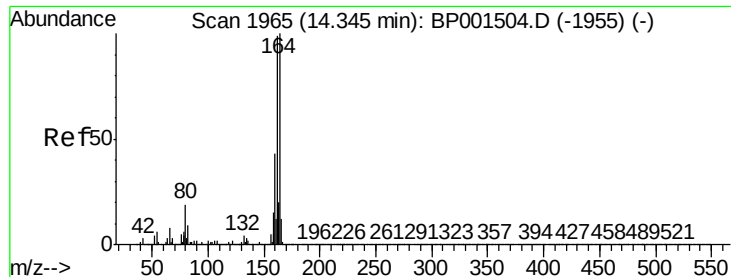
Tot Ion	82	Resp	58890
Ion Ratio	Lower	Upper	
82	100		
128	32.8	26.9	40.3
54	65.3	51.8	77.8



#32
 Benzoic acid
 Concen: 7.793 ng
 RT: 9.83 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Tgt Ion	122	Resp	56
Ion Ratio	Lower	Upper	
122	100		
105	43.3	111.0	151.0#
77	100.0	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: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampleId :

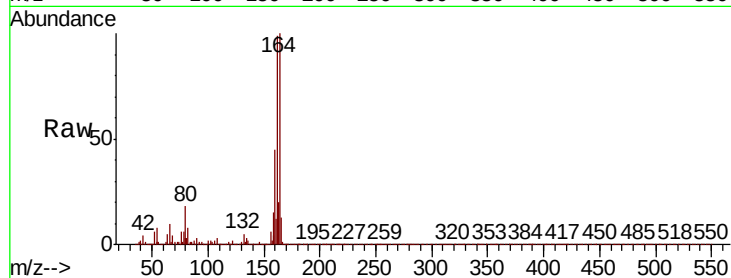
Tot Ion:164 Resp: 134593

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.4

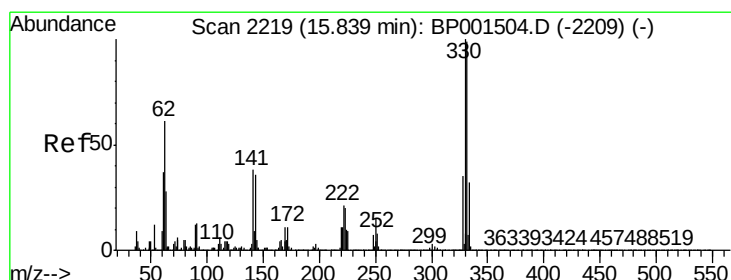
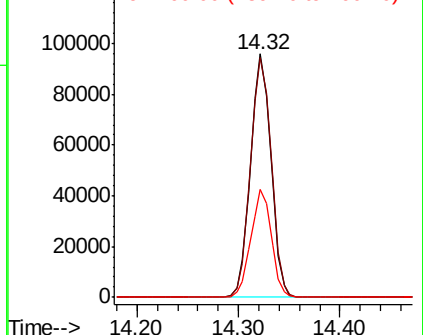
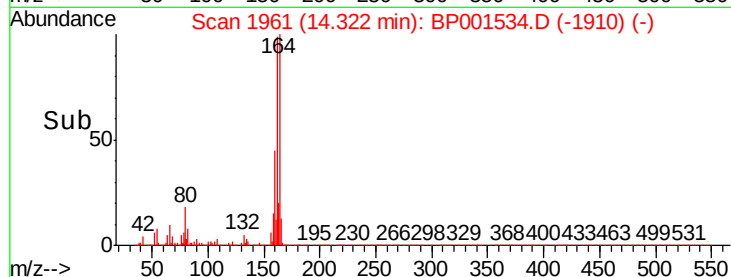
160 44.6 34.1 51.1



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: 21.325 ng

RT: 15.82 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

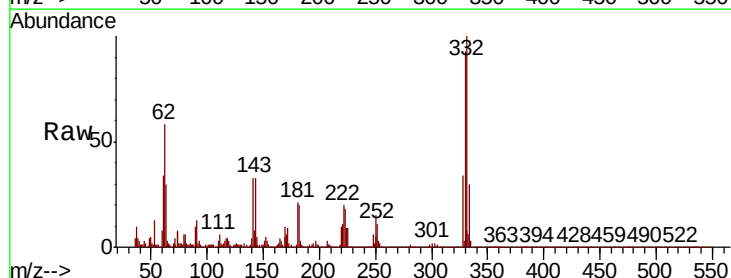
Tgt Ion:330 Resp: 32484

Ion Ratio Lower Upper

330 100

332 99.7 78.0 117.0

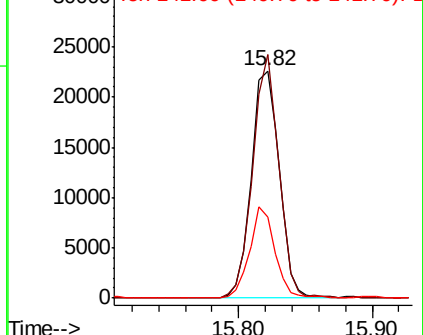
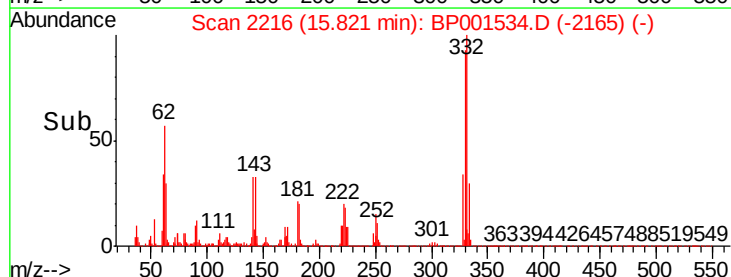
141 36.1 28.7 43.1

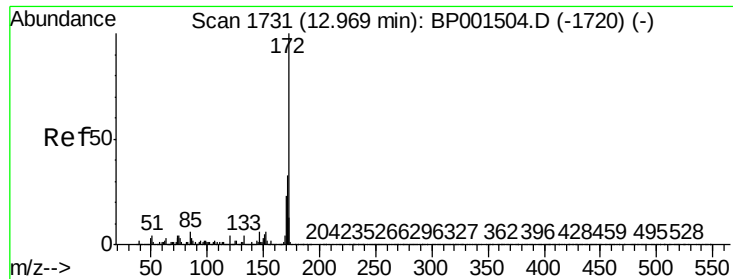


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

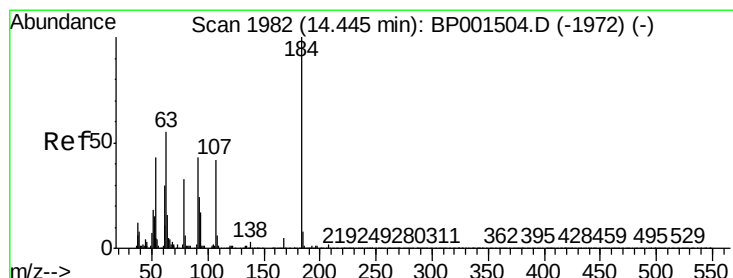
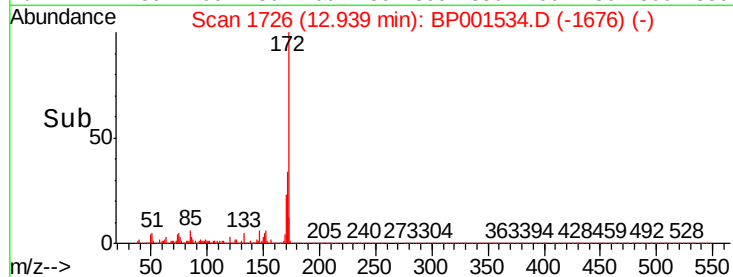
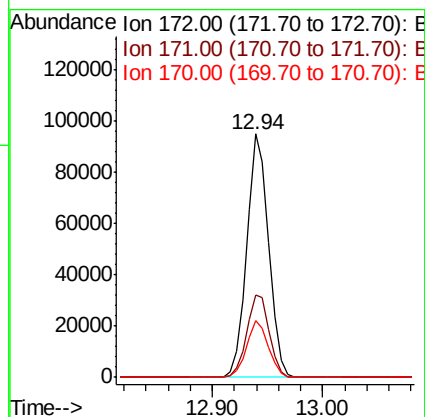
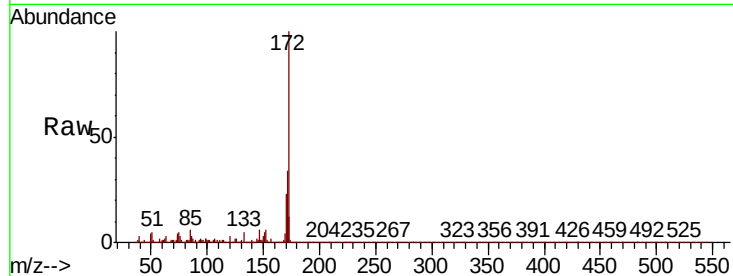




#45
 2-Fluorobiphenyl
 Concen: 14.391 ng
 RT: 12.94 min Scan# 1726
 Delta R.T. -0.01 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

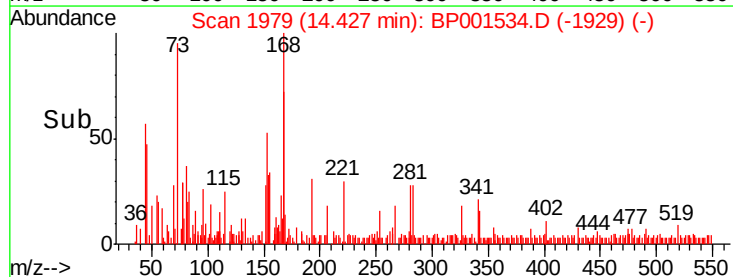
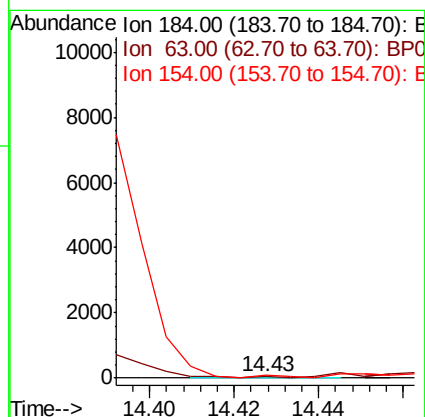
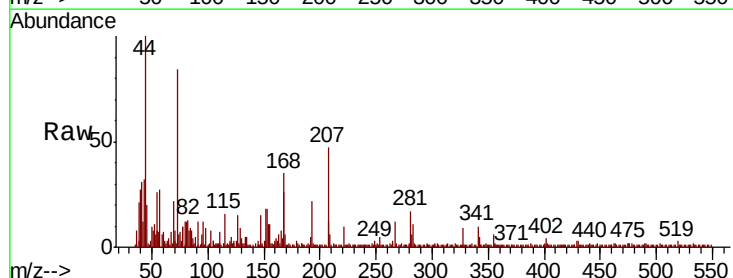
Instrument :
 BNA_P
 ClientSampleId :

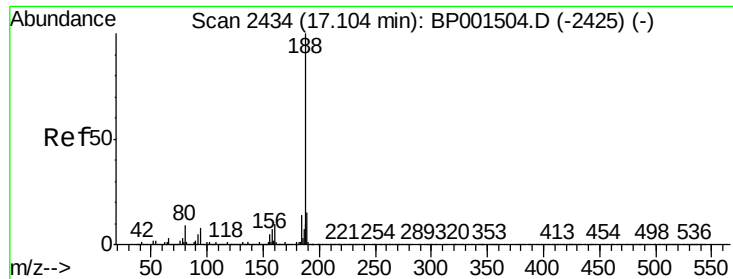
Tot Ion:172 Resp: 131727
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.0 42.0
 170 23.1 18.6 27.8



#54
 2,4-Dinitrophenol
 Concen: 6.469 ng
 RT: 14.43 min Scan# 1979
 Delta R.T. -0.01 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Tgt Ion:184 Resp: 19
 Ion Ratio Lower Upper
 184 100
 63 187.5 61.7 92.5#
 154 379.2 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: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampled :

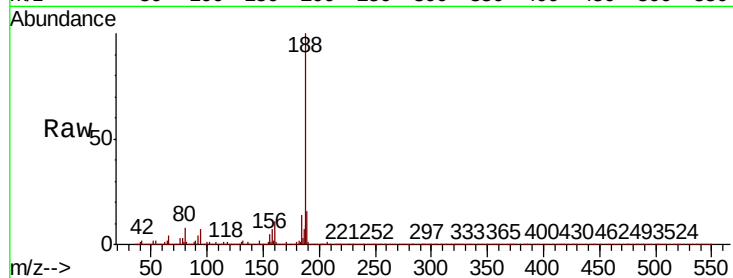
Tot Ion:188 Resp: 293968

Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.0

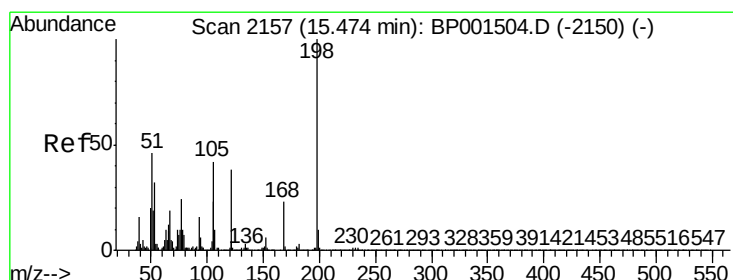
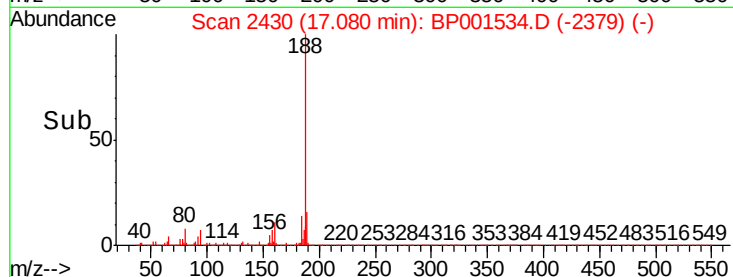
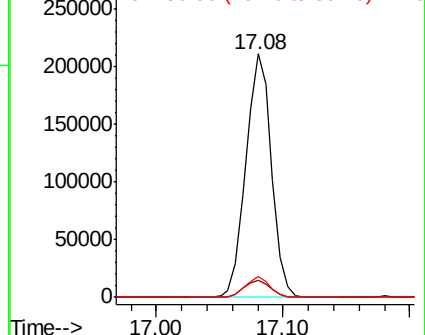
80 8.4 6.3 9.5



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: 15.45 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

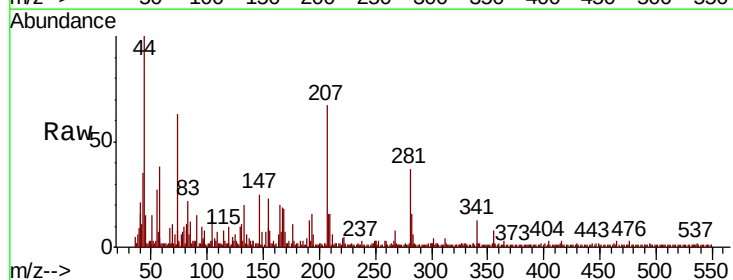
Tgt Ion:198 Resp: 13

Ion Ratio Lower Upper

198 100

51 1220.0 35.4 75.4#

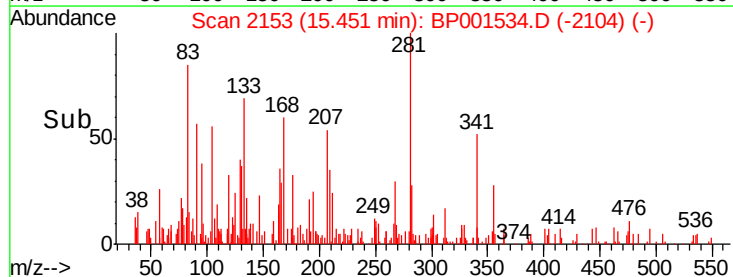
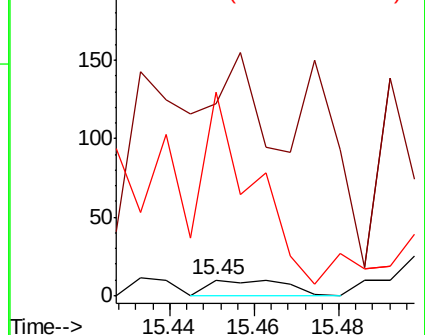
105 1300.0 18.3 58.3#

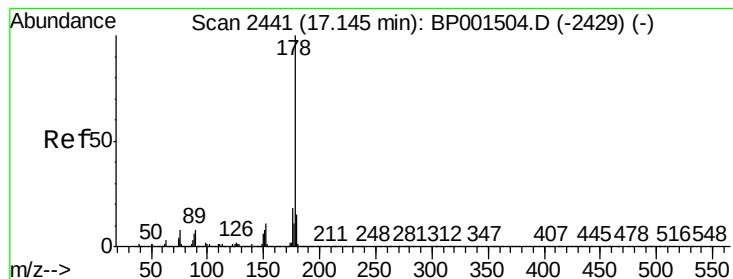


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 16.630 ng

RT: 17.12 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampled :

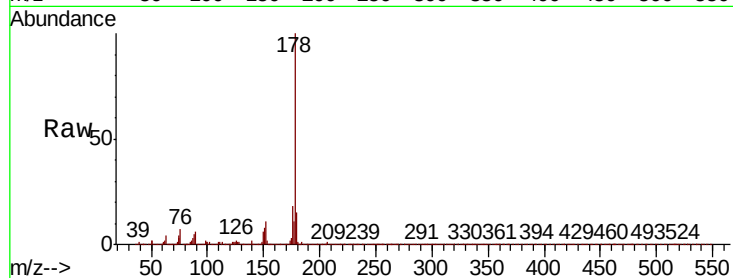
Tot Ion:178 Resp: 265146

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

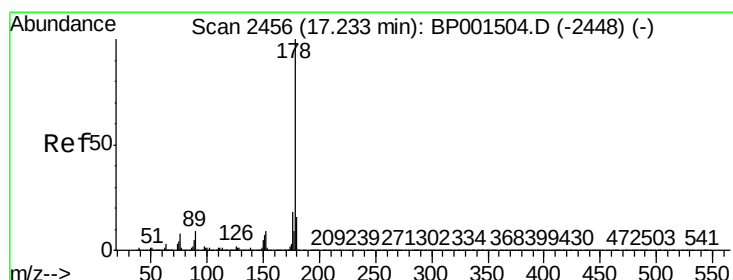
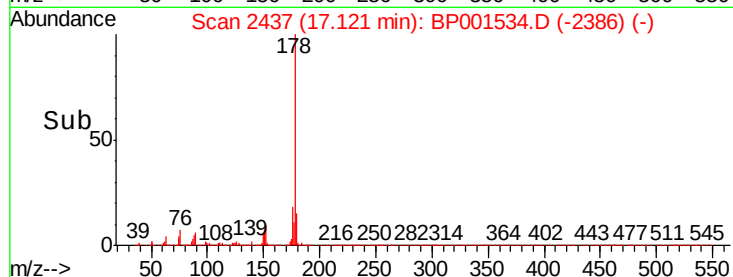
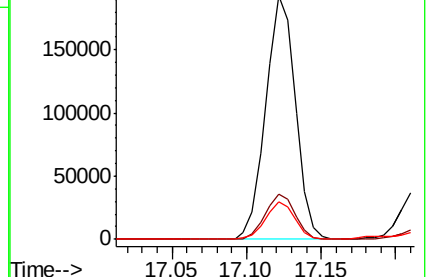
179 15.5 12.2 18.4



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



#72

Anthracene

Concen: 3.448 ng

RT: 17.22 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

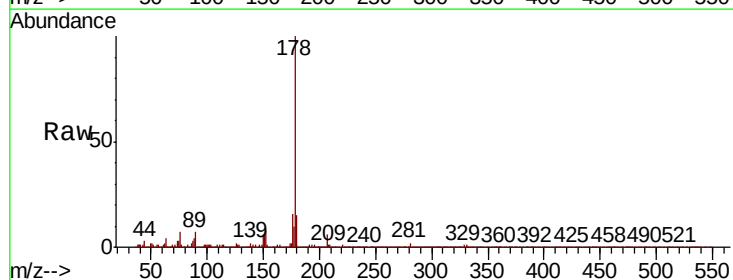
Tgt Ion:178 Resp: 54491

Ion Ratio Lower Upper

178 100

176 16.2 14.7 22.1

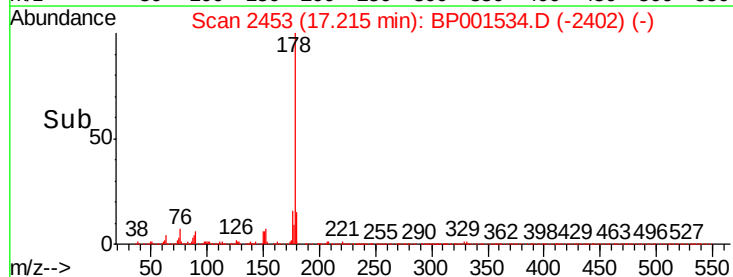
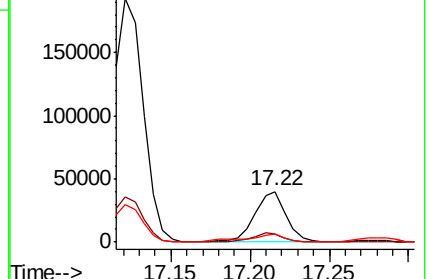
179 15.1 12.2 18.2

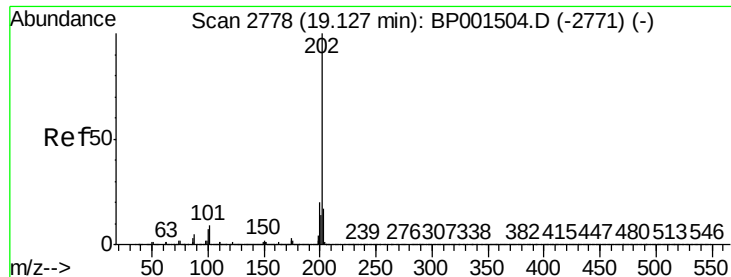


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.006 ng

RT: 19.10 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampleId :

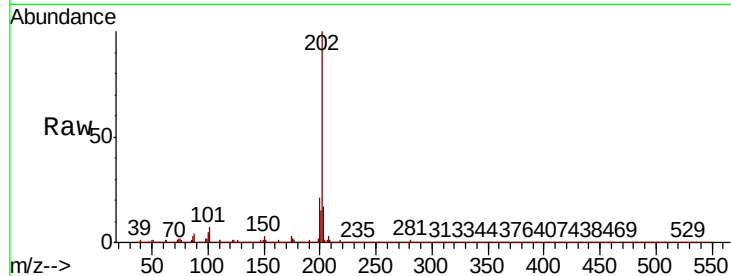
Tot Ion:202 Resp: 405444

Ion Ratio Lower Upper

202 100

101 7.4 0.0 27.1

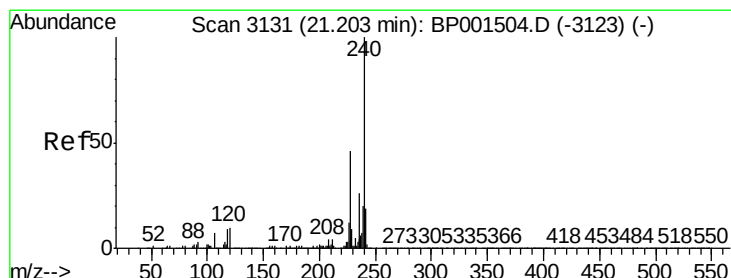
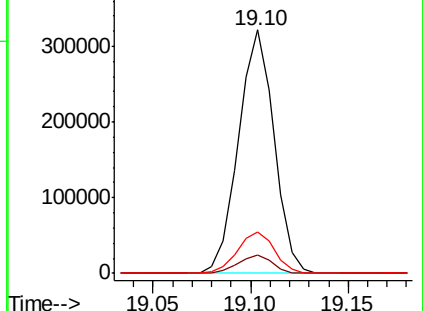
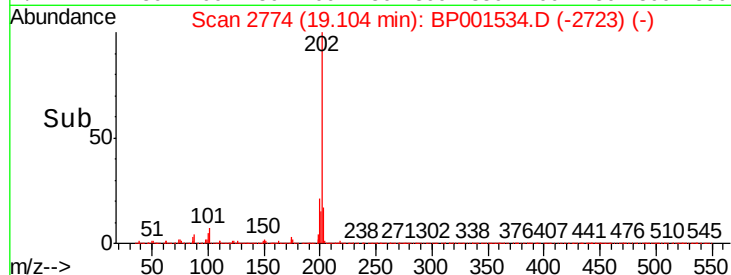
203 16.9 0.0 37.6



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: BP001534.D

Acq: 06 Jan 2020 17:39

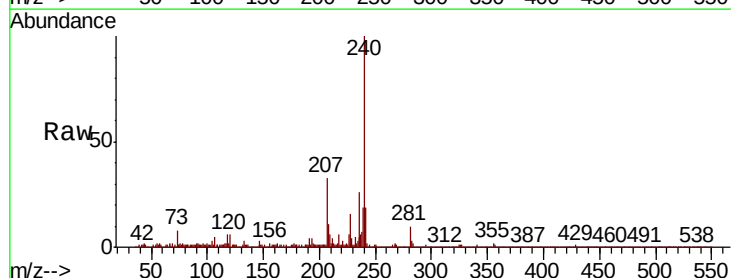
Tgt Ion:240 Resp: 222355

Ion Ratio Lower Upper

240 100

120 6.5 5.2 7.8

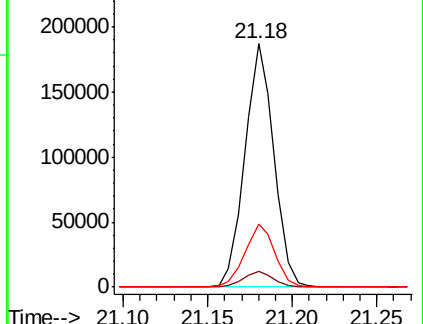
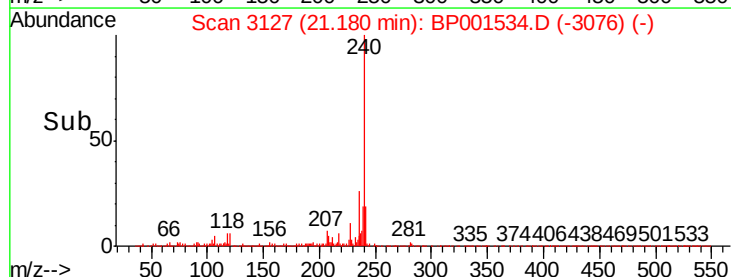
236 25.9 21.4 32.2

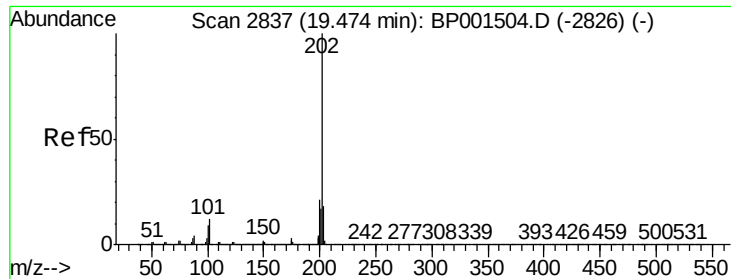


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

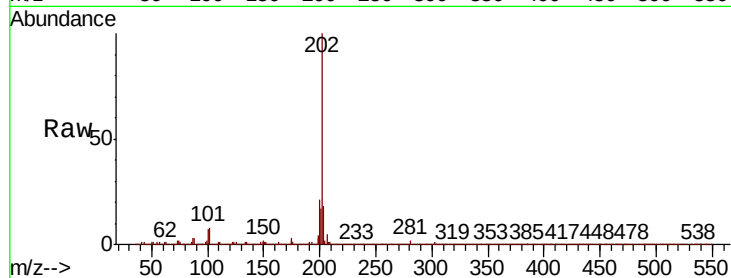




#78
Pvrene
Concen: 23.130 ng
RT: 19.46 min Scan# 2834
Delta R.T. 0.01 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	17.8	13.6	20.4

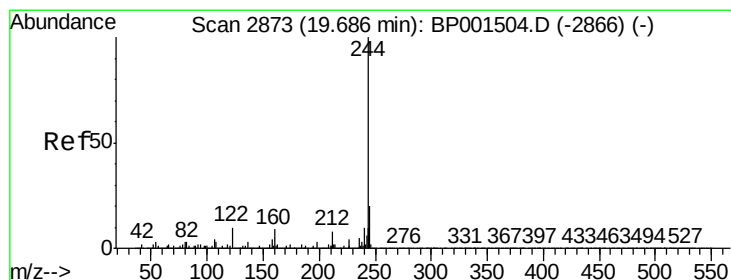
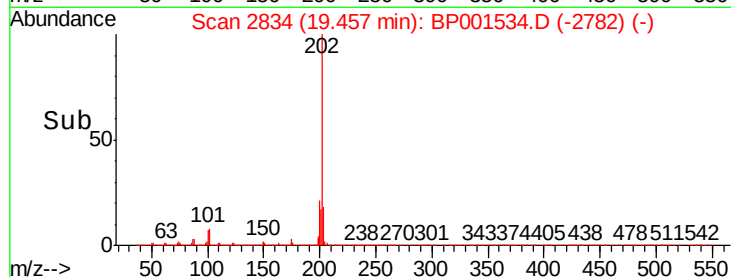
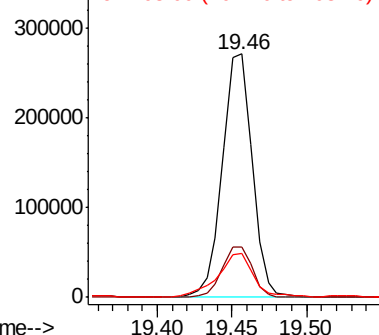


Abundance

Ion 202.00 (201.70 to 202.70): E

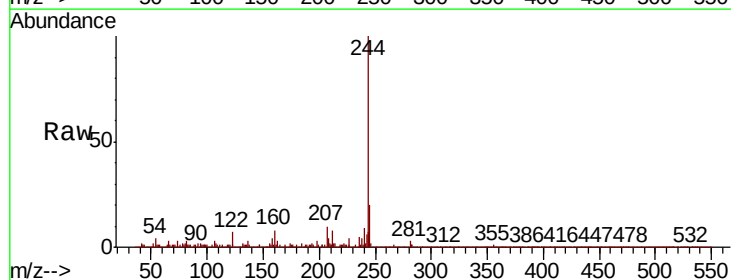
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 16.258 ng
RT: 19.66 min Scan# 2869
Delta R.T. -0.00 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.7	10.1
122	7.3	6.0	9.0

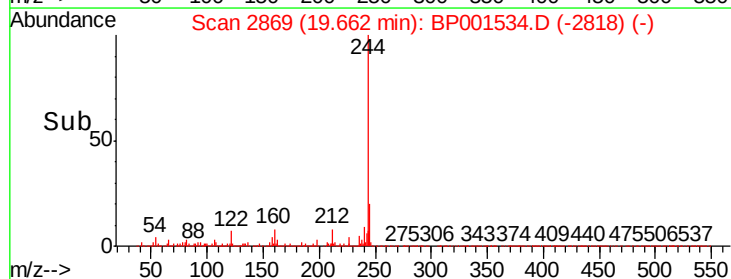
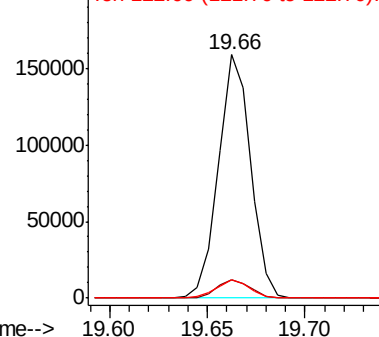


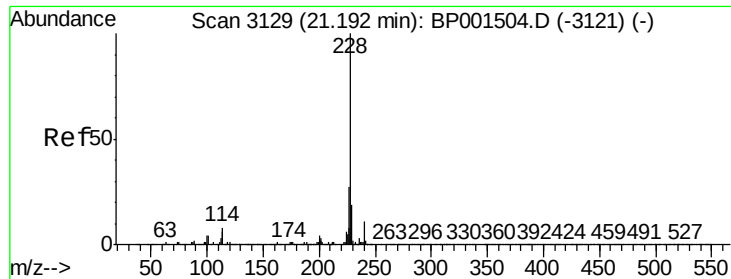
Abundance

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: 10.698 ng

RT: 21.16 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BP001534.D

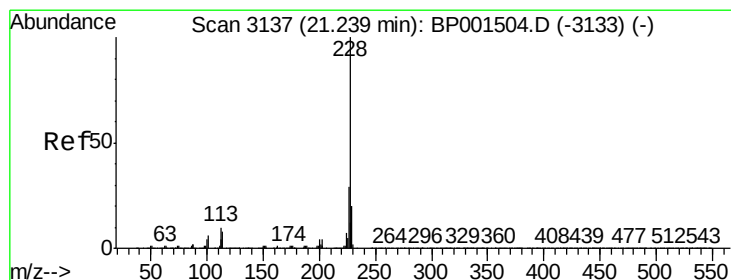
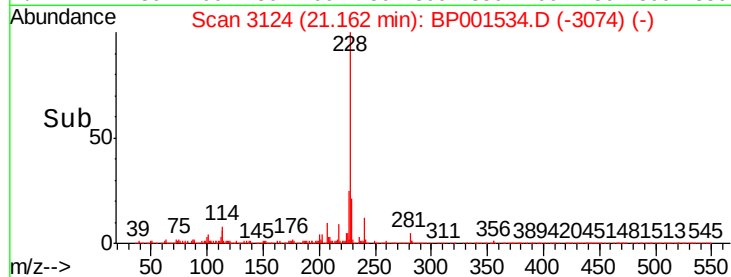
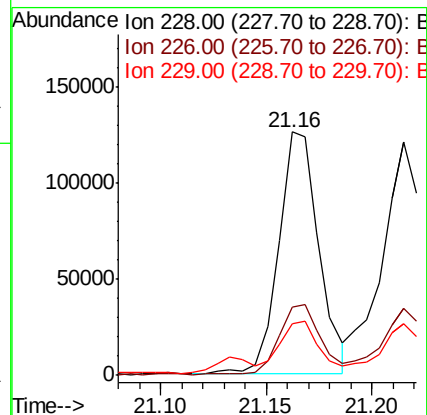
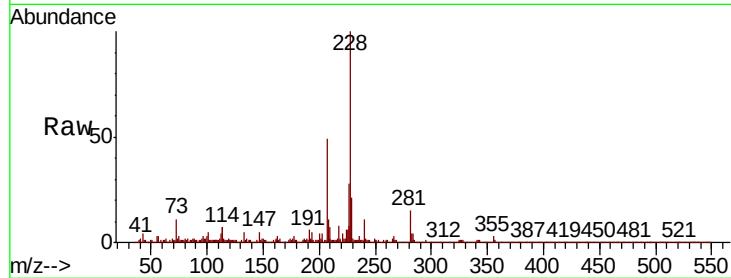
Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampleId :

Tot Ion:228	Resp:	166907
Ion	Ratio	Lower Upper
228	100	
226	28.2	21.4 32.2
229	21.0	15.5 23.3



#83

Chrysene

Concen: 10.877 ng

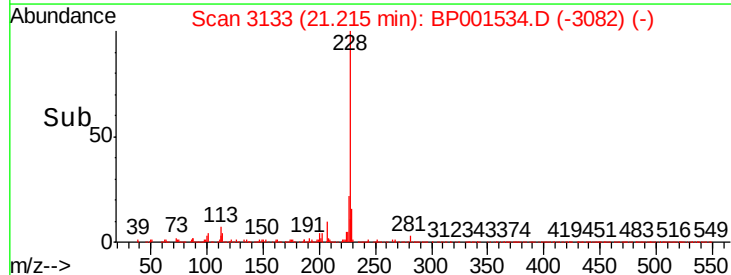
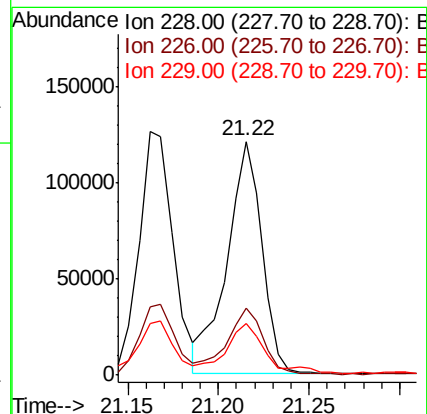
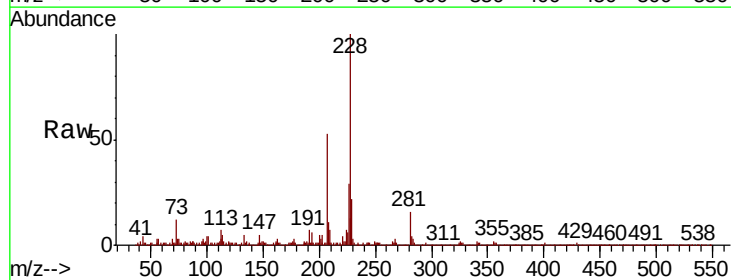
RT: 21.22 min Scan# 3133

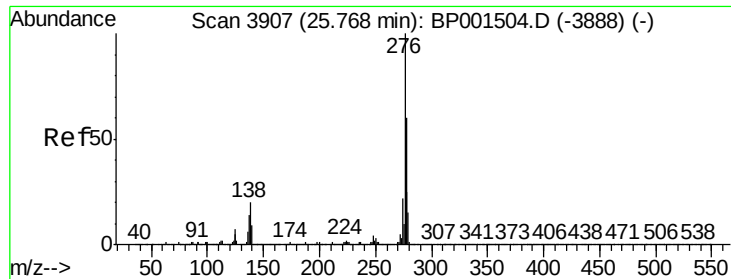
Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Tgt Ion:228	Resp:	162718
Ion	Ratio	Lower Upper
228	100	
226	28.9	23.1 34.7
229	22.3	15.6 23.4

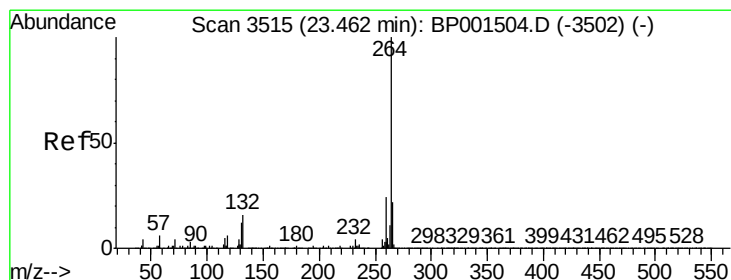
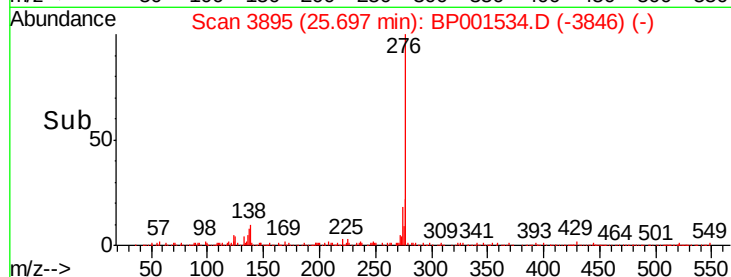
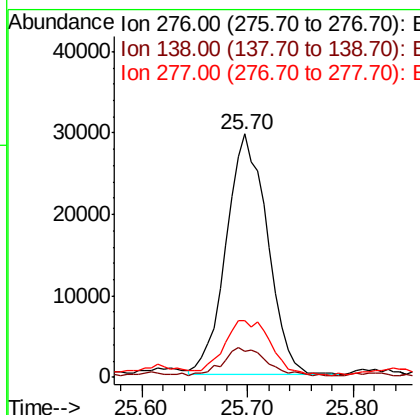
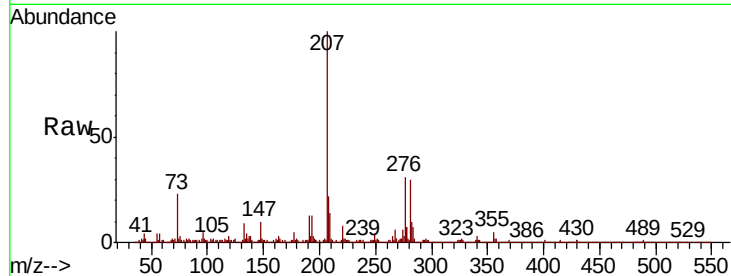




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.379 ng
 RT: 25.70 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

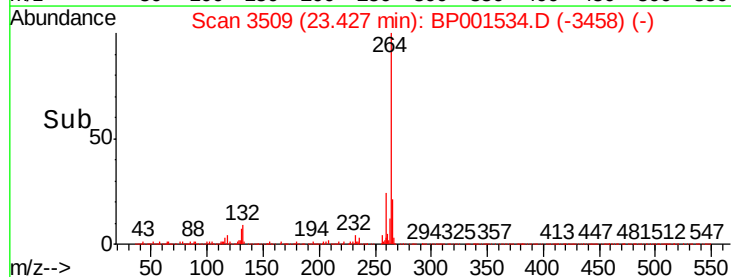
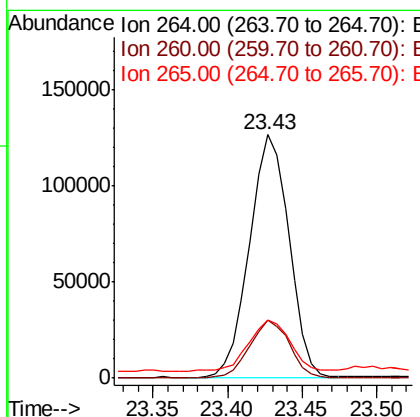
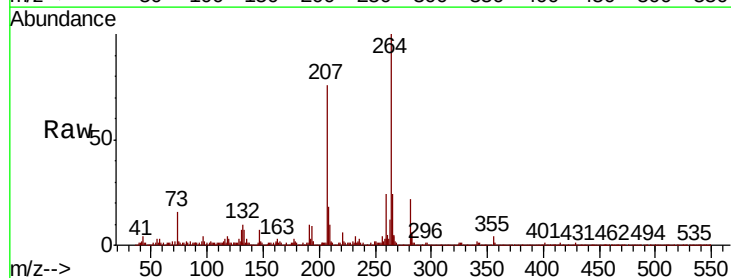
Instrument :
 BNA_P
 ClientSampleId :

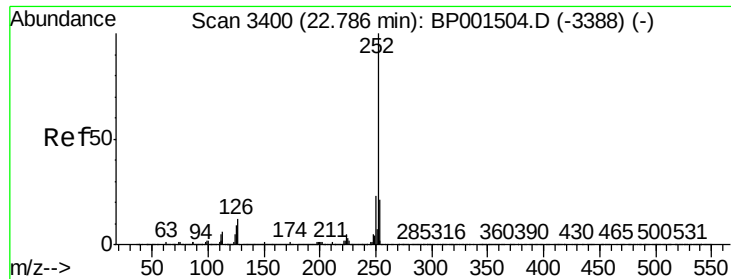
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.0	11.0	16.6
277	25.9	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.43 min Scan# 3509
 Delta R.T. -0.00 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	23.9	19.0	28.4





#88

Benzo(b)fluoranthene

Concen: 16.972 ng

RT: 22.76 min Scan# 3395

Delta R.T. 0.01 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampleId :

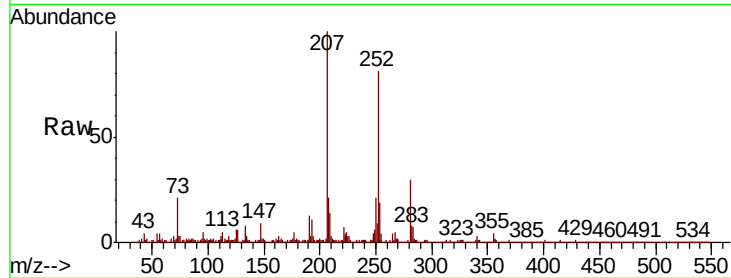
Tot Ion:252 Resp: 243154

Ion Ratio Lower Upper

252 100

253 23.3 16.7 25.1

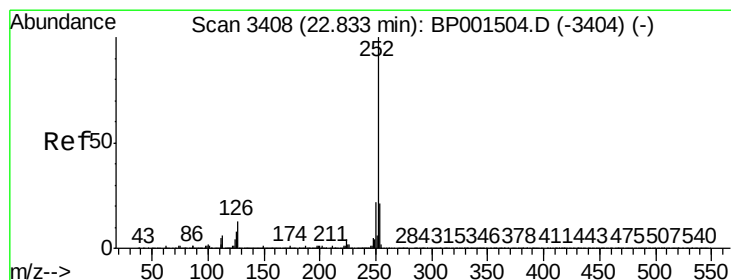
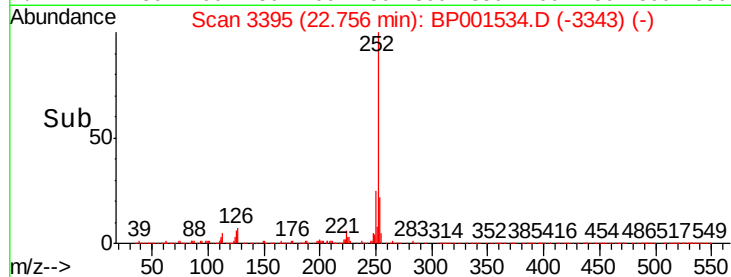
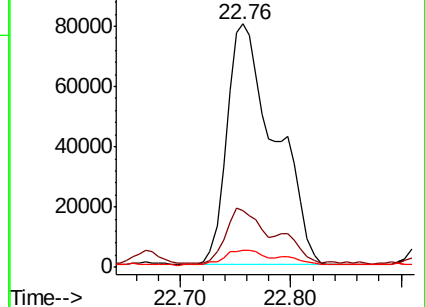
125 6.9 4.2 6.2#



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: 17.718 ng

RT: 22.76 min Scan# 3395

Delta R.T. -0.04 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

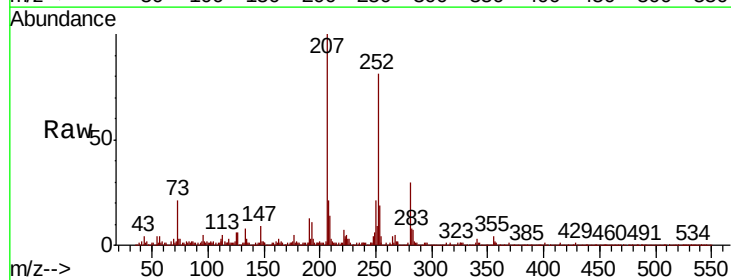
Tgt Ion:252 Resp: 243154

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

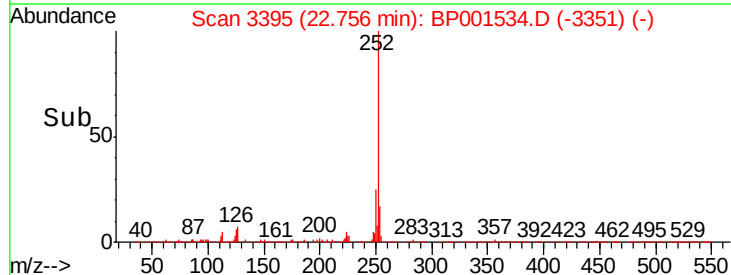
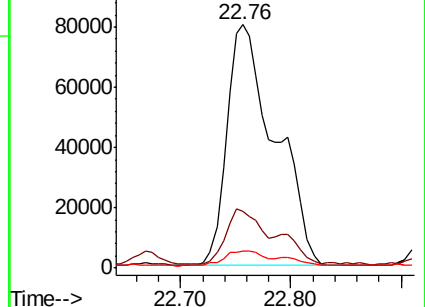
125 6.9 4.8 7.2

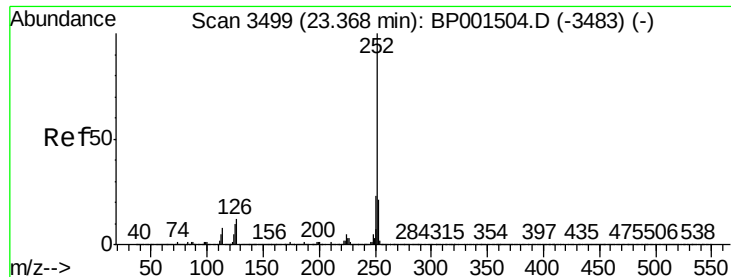


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 10.650 ng

RT: 23.33 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

ClientSampleId :

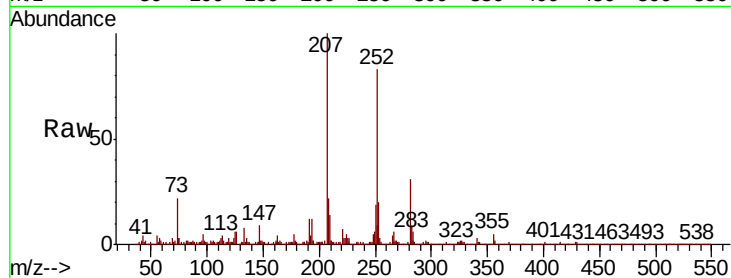
Tot Ion:252 Resp: 142830

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

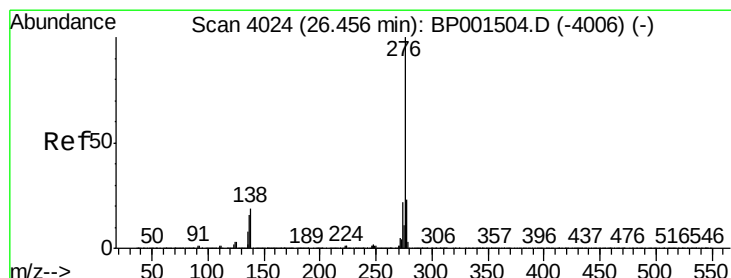
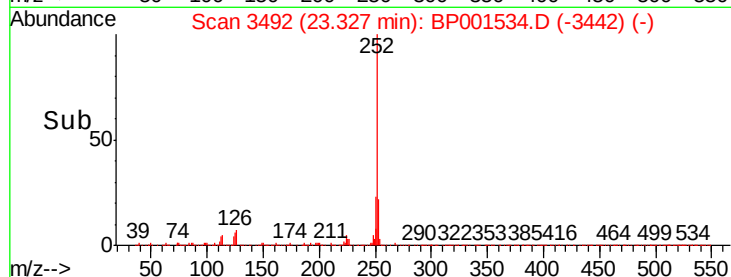
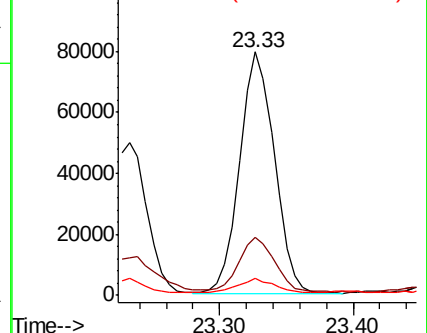
125 6.8 4.6 6.8



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



#92

Benzo(g,h,i)perylene

Concen: 5.902 ng

RT: 26.39 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

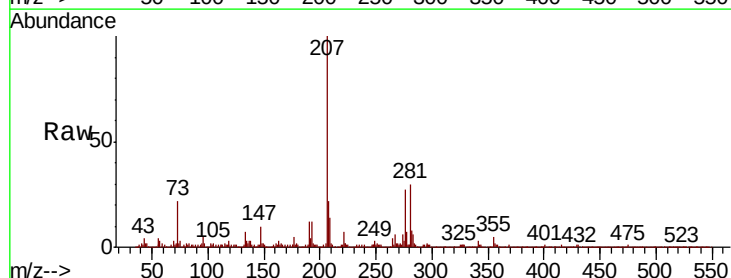
Tgt Ion:276 Resp: 78461

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 12.6 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

