

Data File : BP001646.D
Acq On : 17 Jan 2020 01:26
Operator : JU
Sample : L1016-05 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-03-011520

Quant Time: Jan 17 04:37:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 21:52:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	41131	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	155842	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	96758	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	202098	20.00	ng	0.00
76) Chrysene-d12	21.15	240	169615	20.00	ng	0.00
87) Perylene-d12	23.39	264	182542	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	91882	43.76	ng	0.00
7) Phenol-d6	6.83	99	142035	42.33	ng	0.00
23) Nitrobenzene-d5	8.78	82	100248	28.11	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	47294	32.11	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	189056	28.73	ng	0.00
79) Terphenyl-d14	19.63	244	248952	26.85	ng	0.00

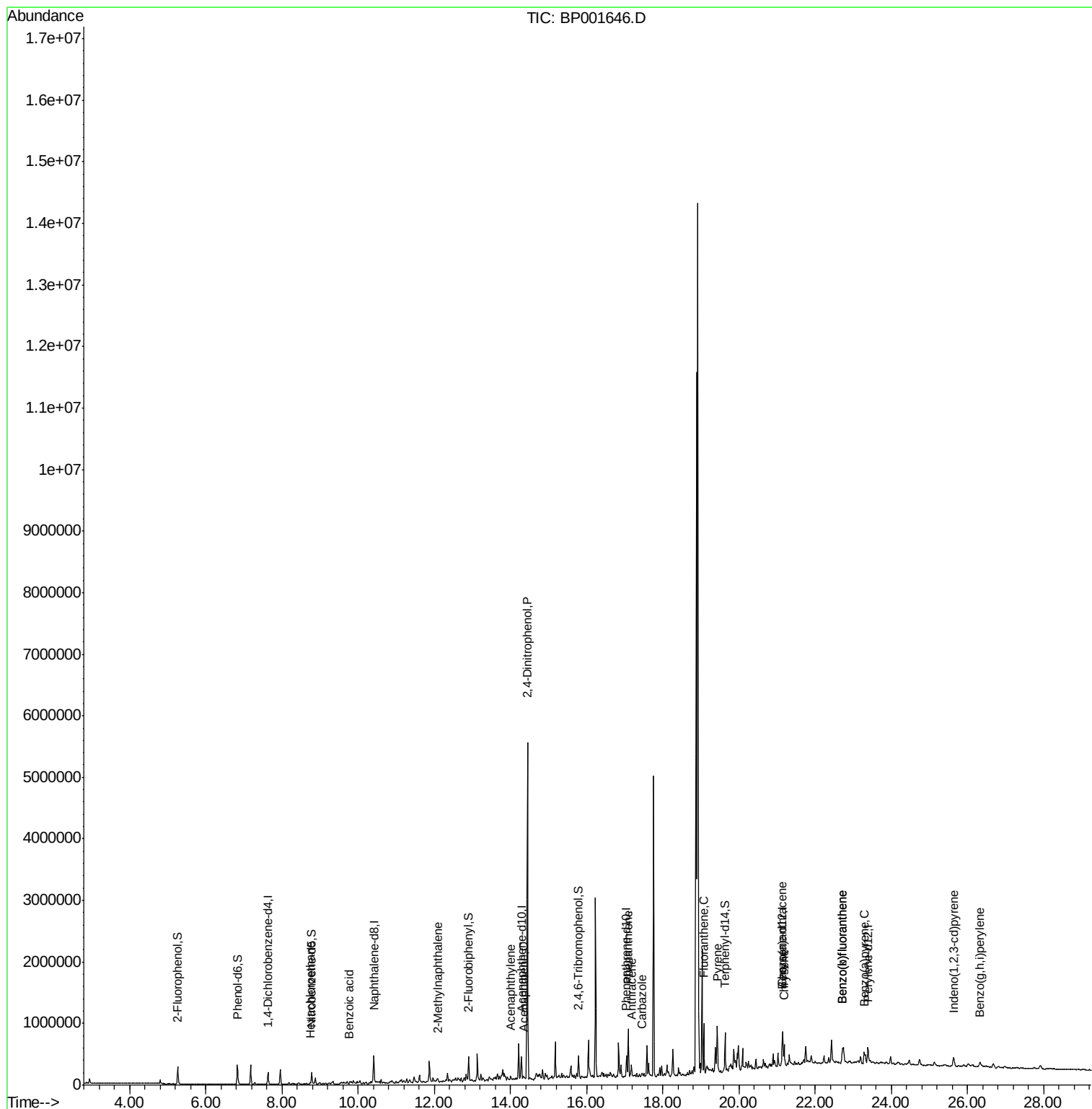
Target Compounds				Qvalue		
18) Hexachloroethane	8.73	117	2676	2.151	ng	# 1
32) Benzoic acid	9.75	122	21	4.713	ng	# 1
37) 2-Methylnaphthalene	12.08	142	15509	2.366	ng	95
49) Acenaphthylene	14.00	152	28329	3.188	ng	# 97
52) Acenaphthene	14.35	154	12061	2.191	ng	94
54) 2,4-Dinitrophenol	14.45	184	14023	14.757	ng	# 26
71) Phenanthrene	17.09	178	444754	40.466	ng	99
72) Anthracene	17.18	178	107247	10.024	ng	97
73) Carbazole	17.45	167	28193	2.807	ng	# 88
75) Fluoranthene	19.07	202	468569	32.400	ng	98
78) Pyrene	19.43	202	428044	34.354	ng	99
81) Benzo(a)anthracene	21.13	228	193352	16.368	ng	96
83) Chrysene	21.19	228	168724	14.656	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	79636	5.910	ng	99
88) Benzo(b)fluoranthene	22.72	252	250099	21.742	ng	# 92
89) Benzo(k)fluoranthene	22.72	252	250099	22.300	ng	# 93
90) Benzo(a)pyrene	23.29	252	132964	12.174	ng	# 93
92) Benzo(g,h,i)perylene	26.33	276	75588	6.748	ng	97

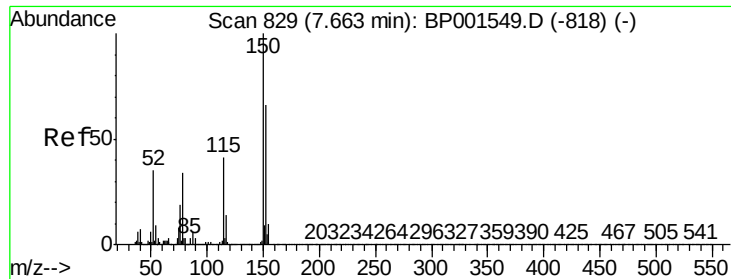
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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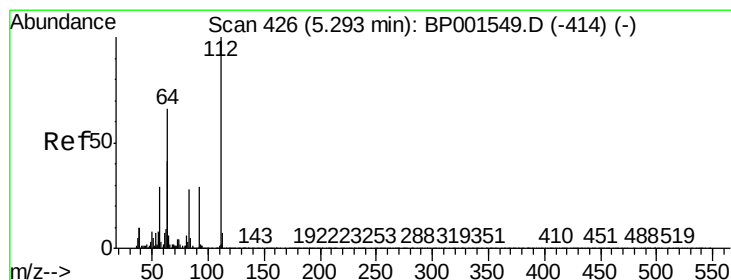
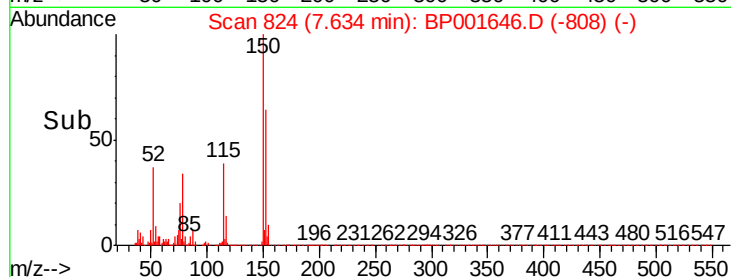
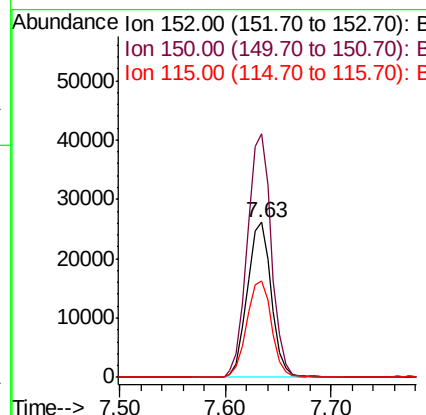
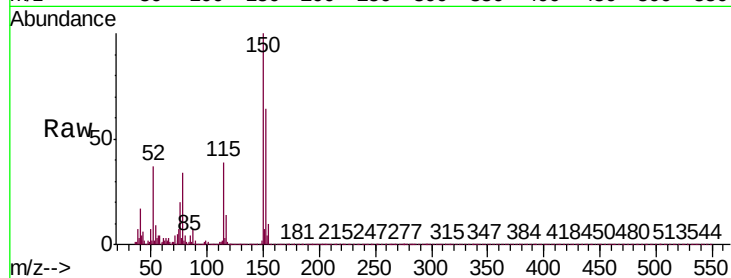




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

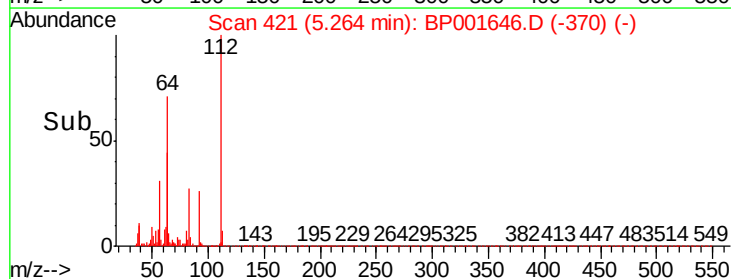
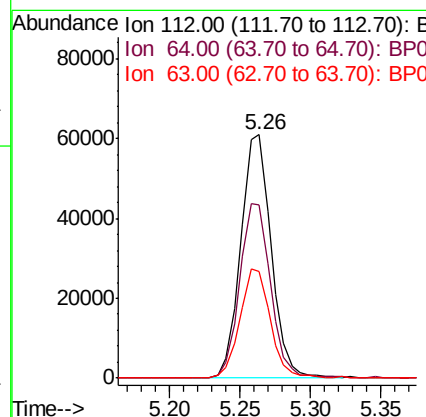
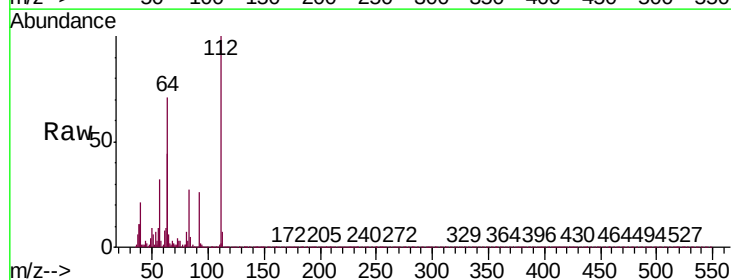
Instrument :
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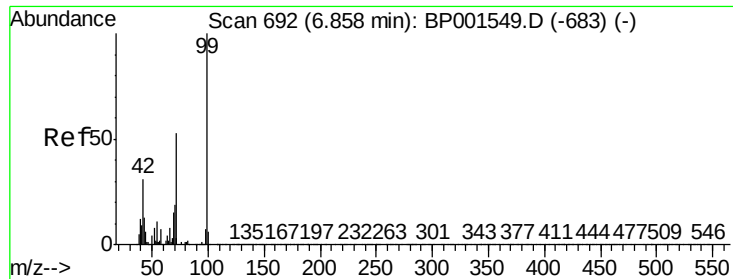
Tgt Ion:152 Resp: 41131
Ion Ratio Lower Upper
152 100
150 157.4 122.0 183.0
115 61.9 50.7 76.1



#5
2-Fluorophenol
Concen: 43.760 ng
RT: 5.26 min Scan# 421
Delta R.T. 0.00 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion:112 Resp: 91882
Ion Ratio Lower Upper
112 100
64 71.1 52.8 79.2
63 43.9 33.1 49.7





#7

Phenol-d6

Concen: 42.326 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

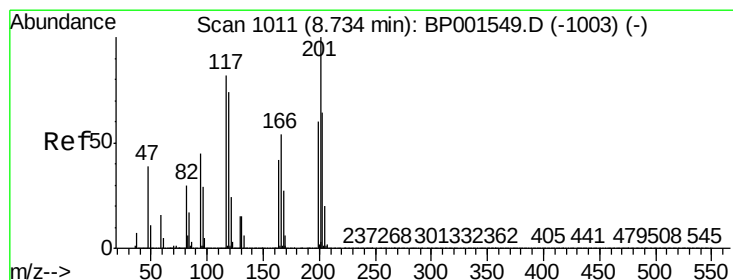
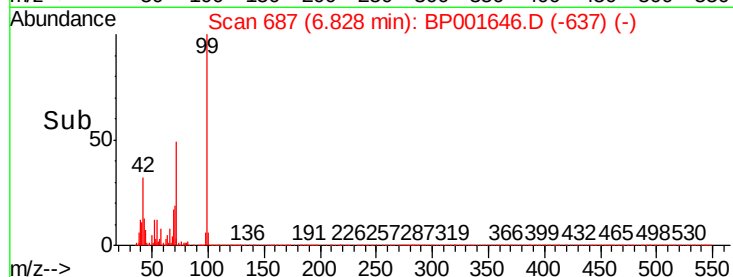
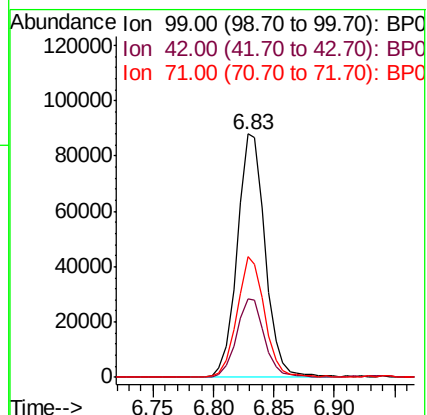
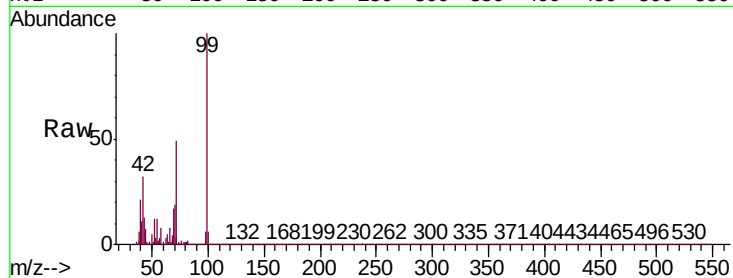
Tgt Ion: 99 Resp: 142035

Ion Ratio Lower Upper

99 100

42 32.0 24.5 36.7

71 49.5 42.4 63.6



#18

Hexachloroethane

Concen: 2.151 ng

RT: 8.73 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

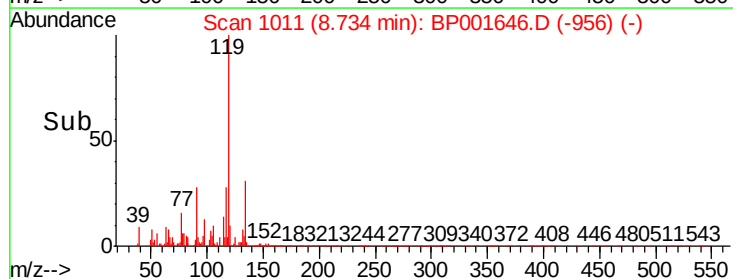
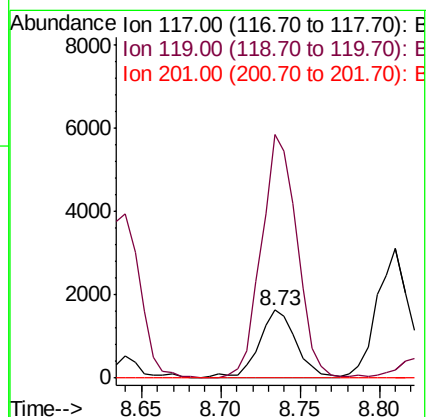
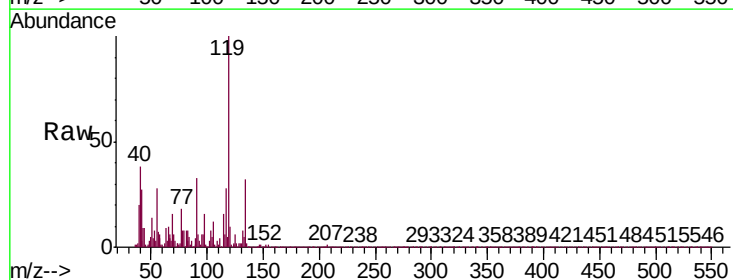
Tgt Ion: 117 Resp: 2676

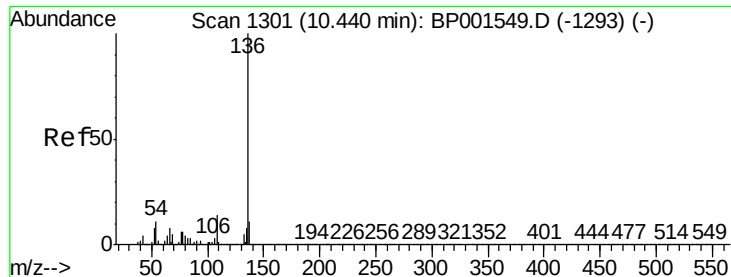
Ion Ratio Lower Upper

117 100

119 358.9 71.8 107.8#

201 0.0 97.6 146.4#

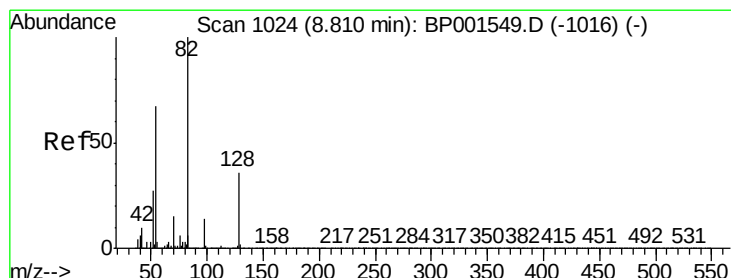
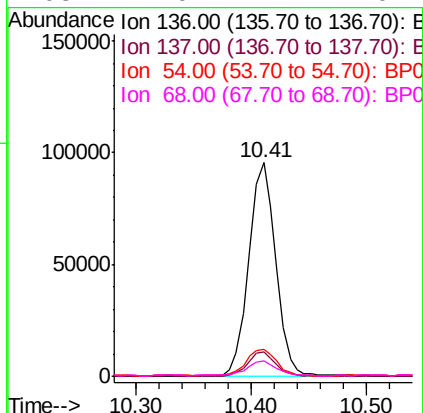
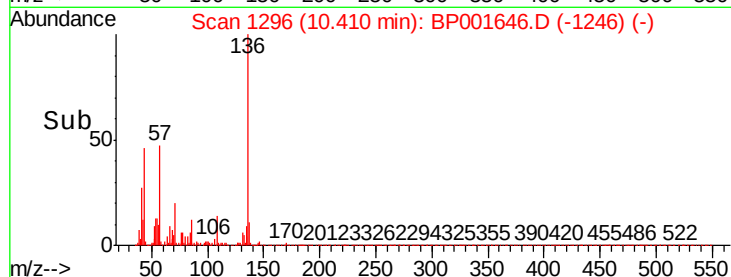
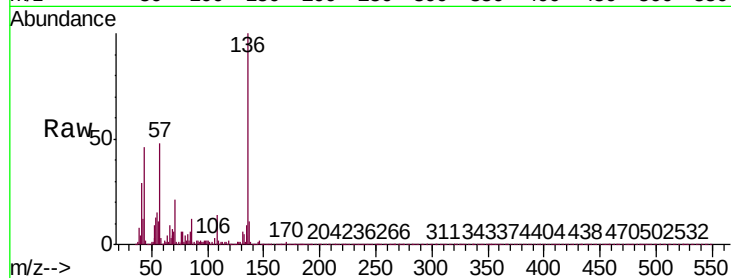




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.41 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

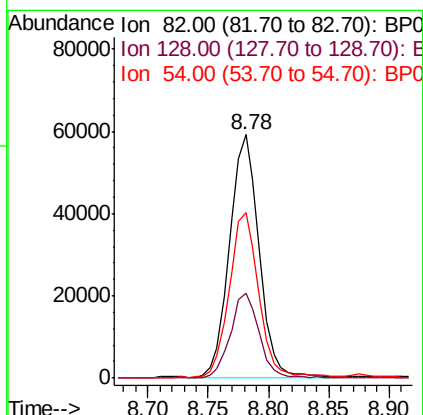
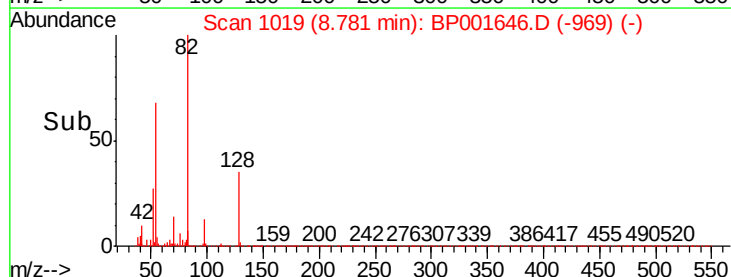
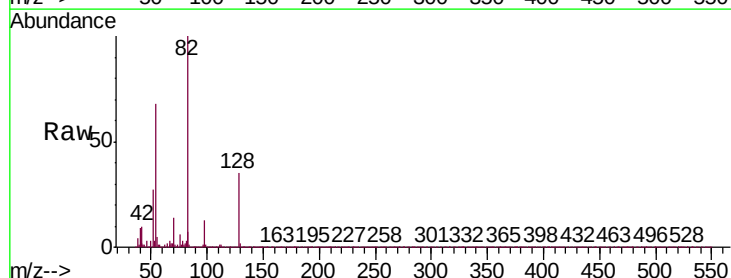
Instrument :
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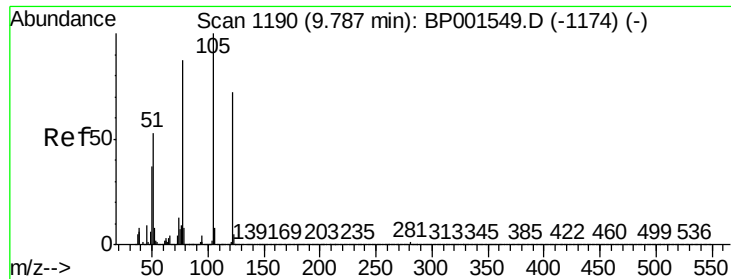
Tgt Ion:	136	Resp:	155842
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	12.9	9.2	13.8
68	7.0	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 28.109 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion:	82	Resp:	100248
Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.4	42.6
54	67.7	53.4	80.2

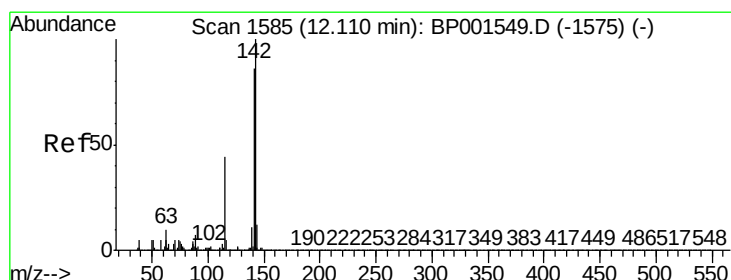
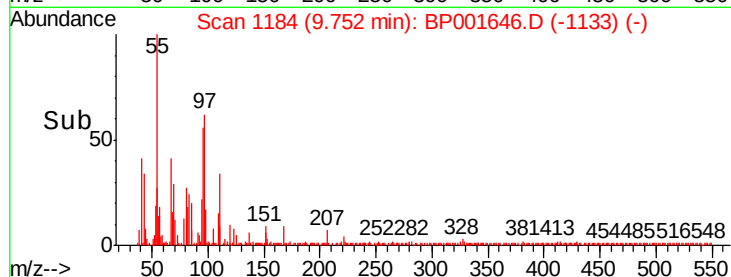
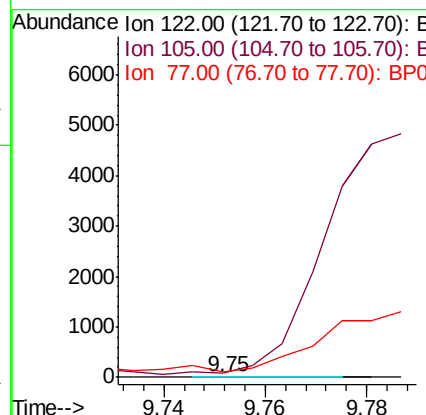
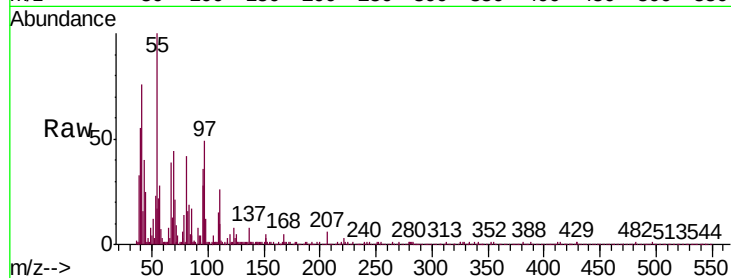




#32
Benzoic acid
Concen: 4.713 ng
RT: 9.75 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

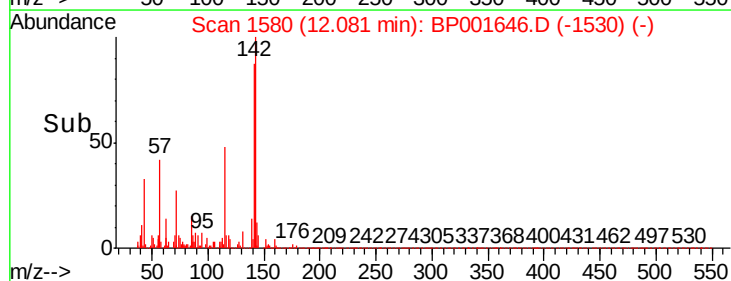
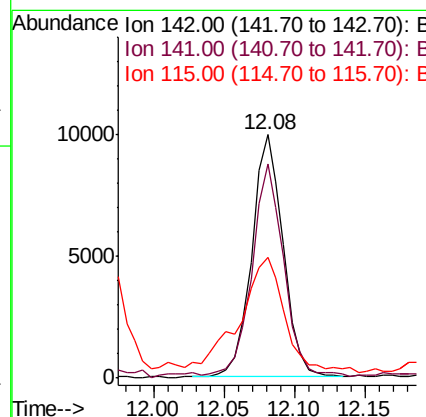
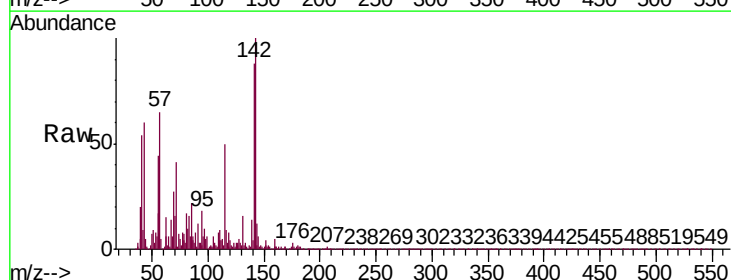
Instrument :
BNA_P
ClientSampleId :
SU-03-011520

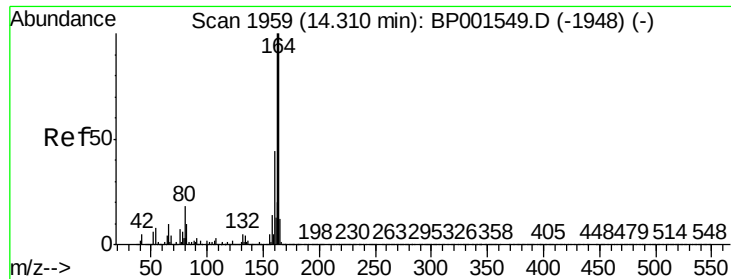
Tgt Ion	Ratio	Lower	Upper
122	100		
105	435.3	119.5	159.5#
77	670.6	102.8	142.8#



#37
2-Methylnaphthalene
Concen: 2.366 ng
RT: 12.08 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	68.4	102.6
115	49.8	35.1	52.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.28 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

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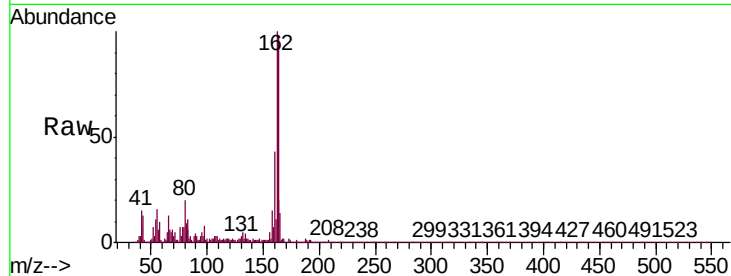
Tgt Ion:164 Resp: 96758

Ion Ratio Lower Upper

164 100

162 102.1 79.8 119.6

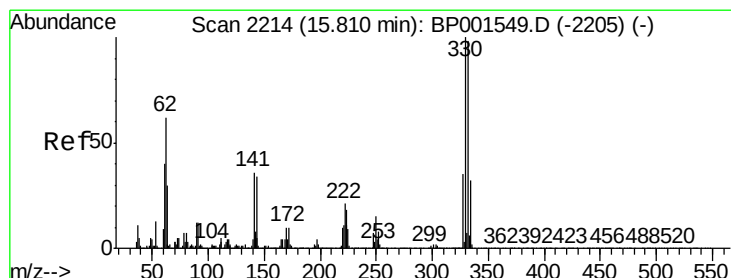
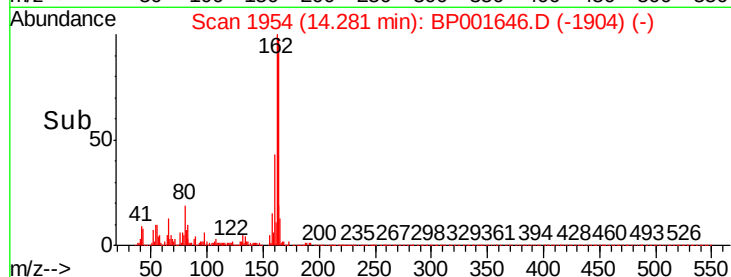
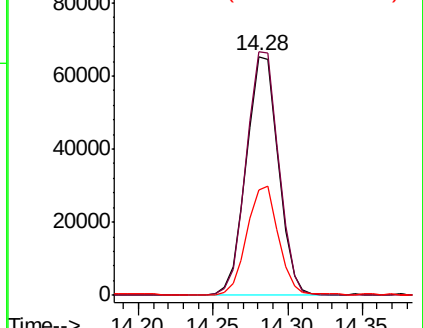
160 44.2 35.0 52.6



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: 32.111 ng

RT: 15.79 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

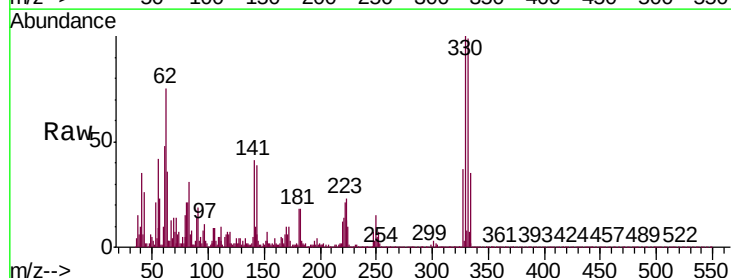
Tgt Ion:330 Resp: 47294

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

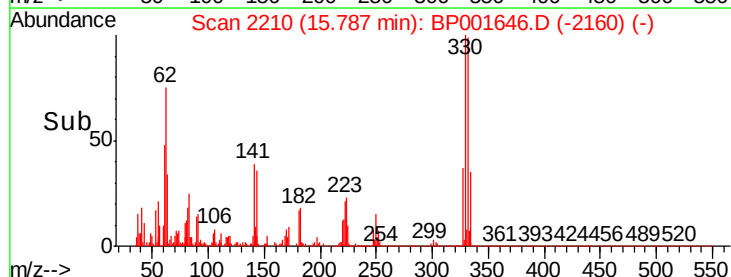
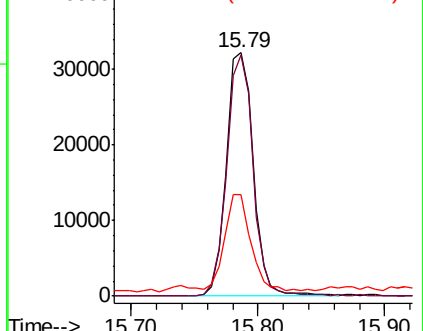
141 38.5 28.7 43.1

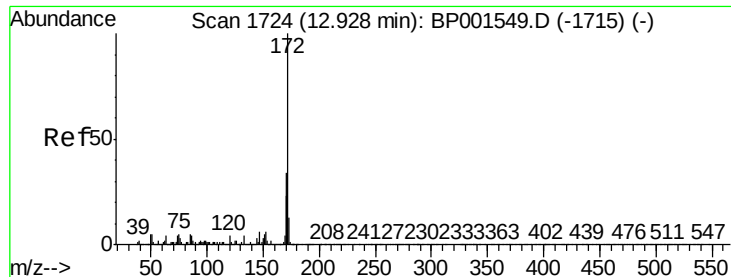


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

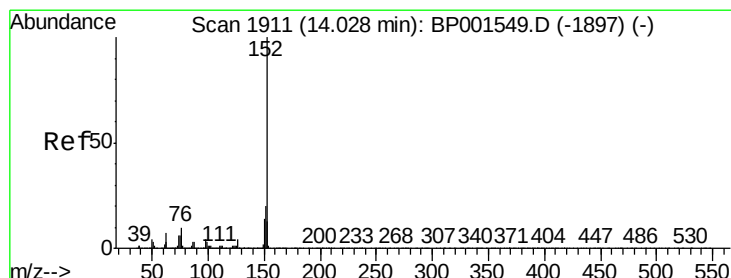
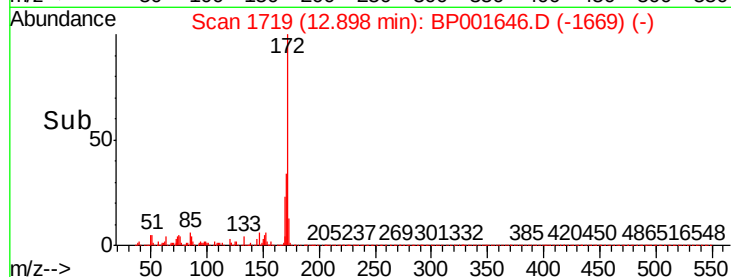
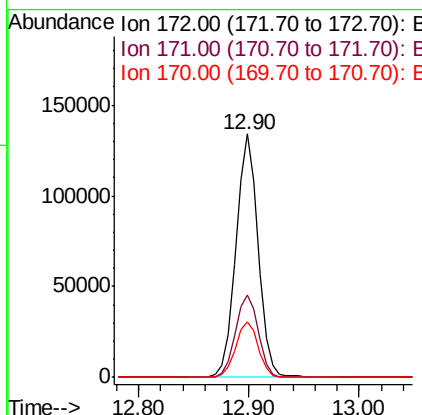
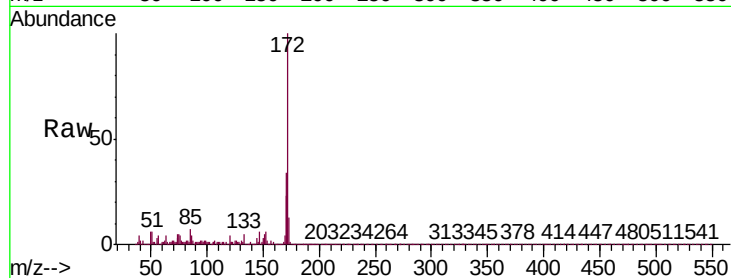




#45
2-Fluorobiphenyl
Concen: 28.728 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

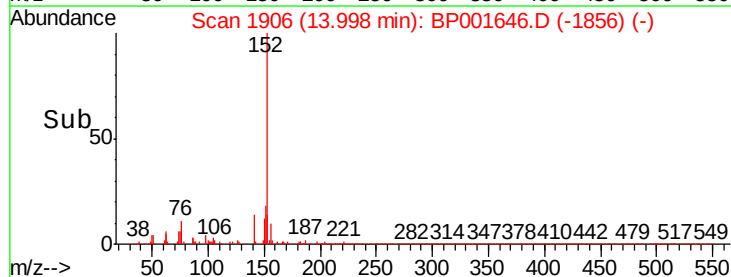
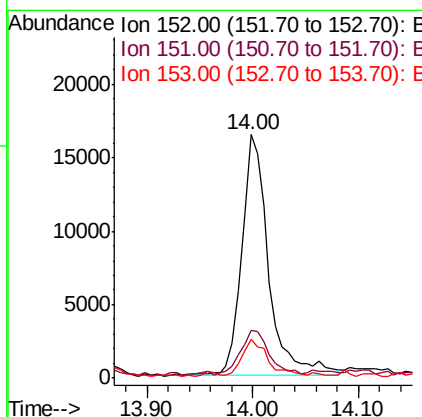
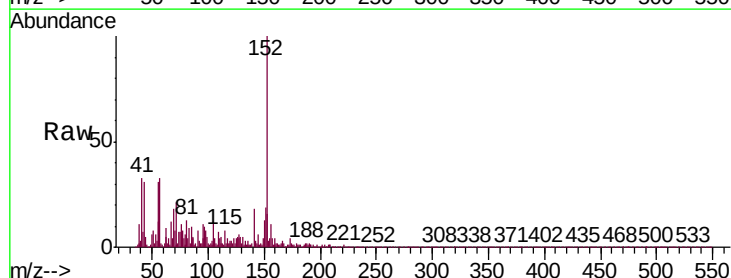
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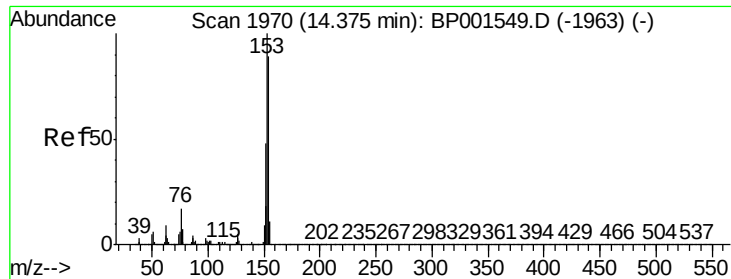
Tgt Ion:	172	Resp:	189056
Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.6	41.4
170	22.8	18.3	27.5



#49
Acenaphthylene
Concen: 3.188 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion:	152	Resp:	28329
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	15.7	10.4	15.6#





#52

Acenaphthene

Concen: 2.191 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

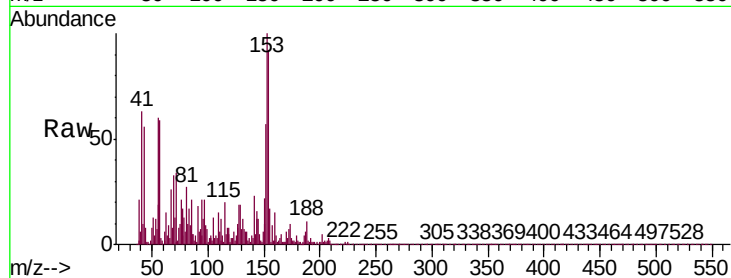
Tgt Ion:154 Resp: 12061

Ion Ratio Lower Upper

154 100

153 108.2 89.4 134.2

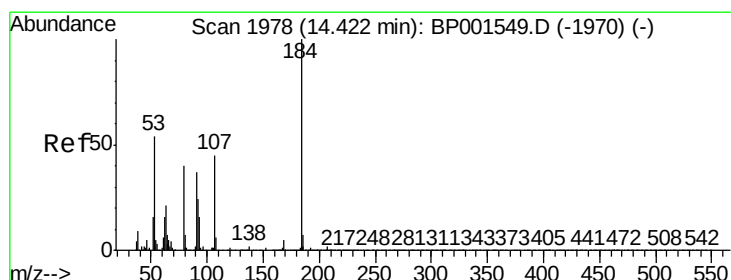
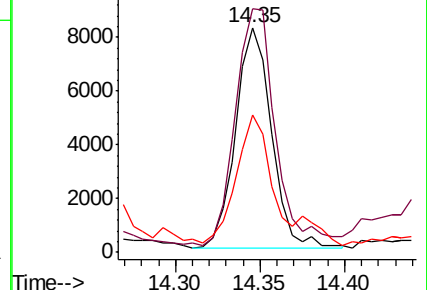
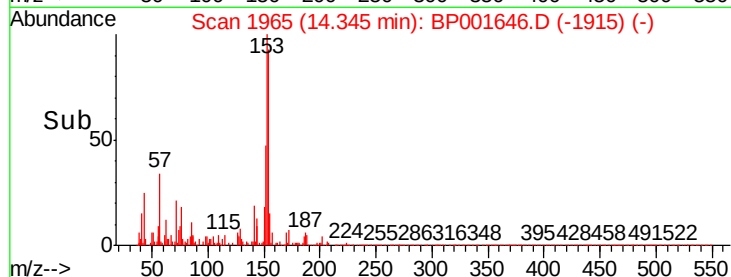
152 61.3 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 14.757 ng

RT: 14.45 min Scan# 1982

Delta R.T. 0.04 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

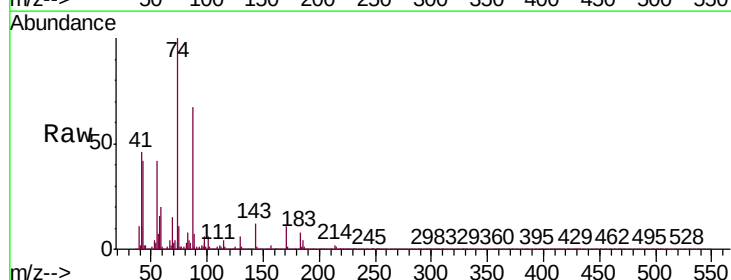
Tgt Ion:184 Resp: 14023

Ion Ratio Lower Upper

184 100

63 14.5 59.7 89.5#

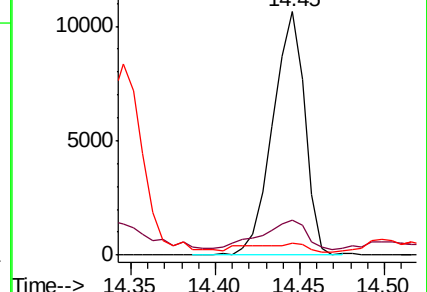
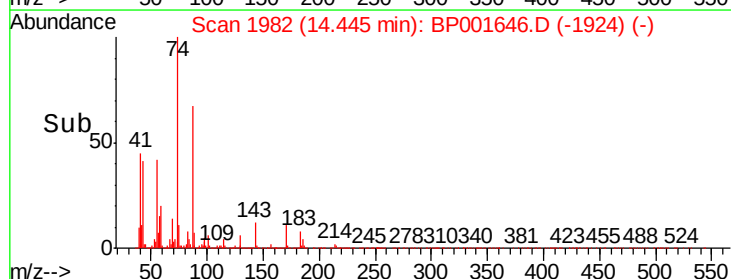
154 4.9 53.9 80.9#

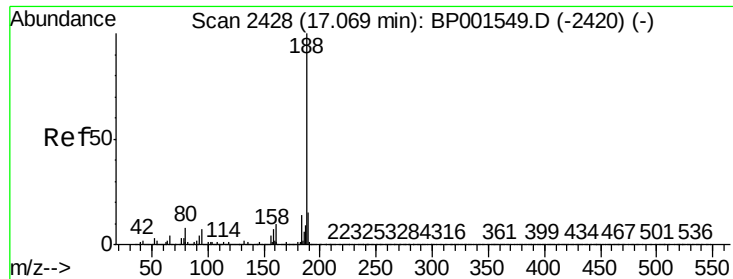


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

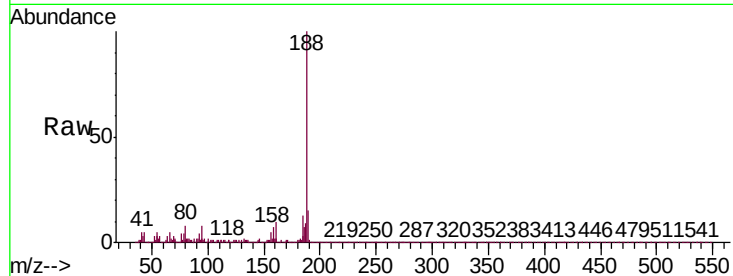
Tgt Ion:188 Resp: 202098

Ion Ratio Lower Upper

188 100

94 8.0 5.9 8.9

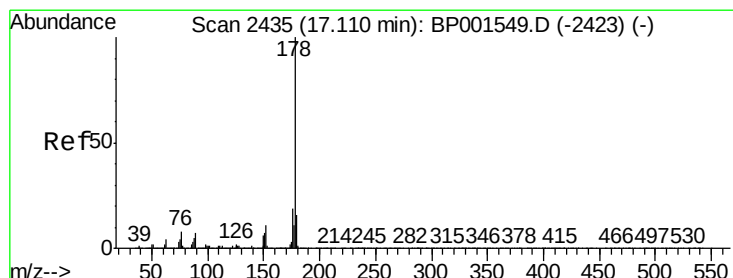
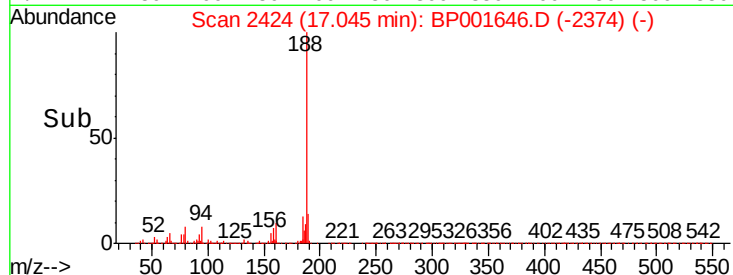
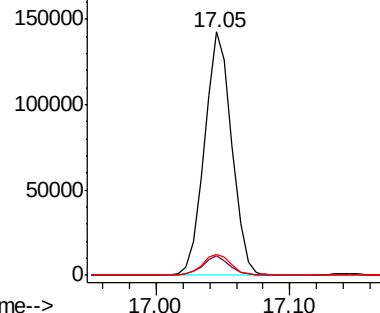
80 8.4 6.8 10.2



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: 40.466 ng

RT: 17.09 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

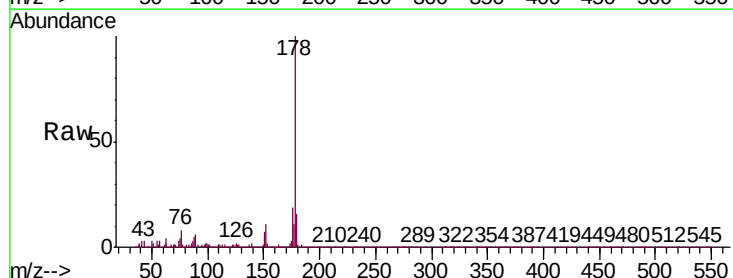
Tgt Ion:178 Resp: 444754

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

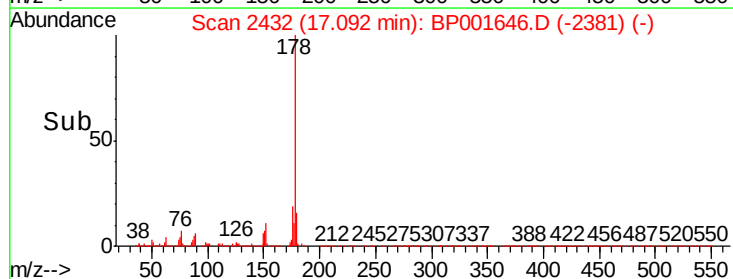
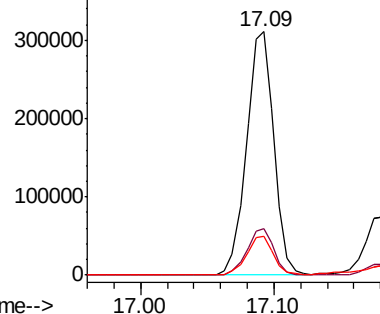
179 15.9 12.5 18.7

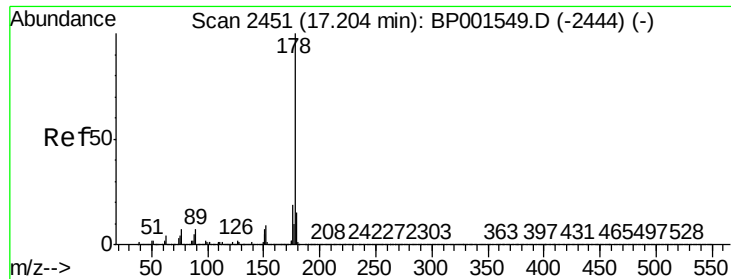


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 10.024 ng

RT: 17.18 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

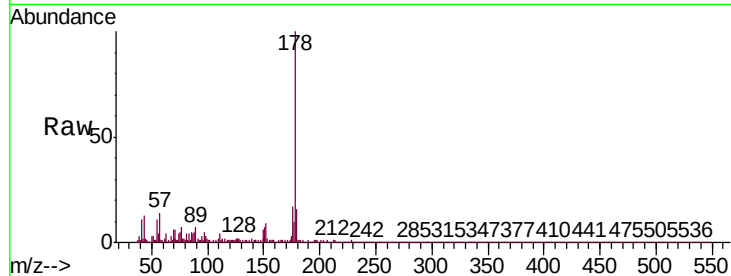
Tgt Ion:178 Resp: 107247

Ion Ratio Lower Upper

178 100

176 17.4 15.0 22.6

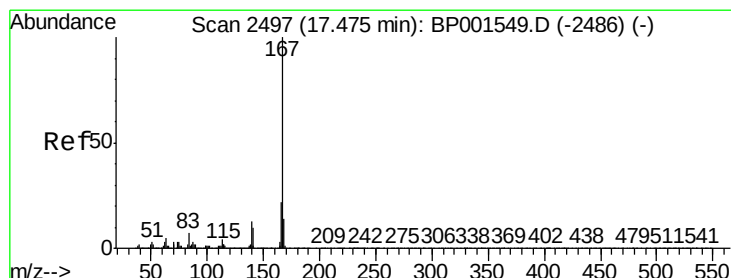
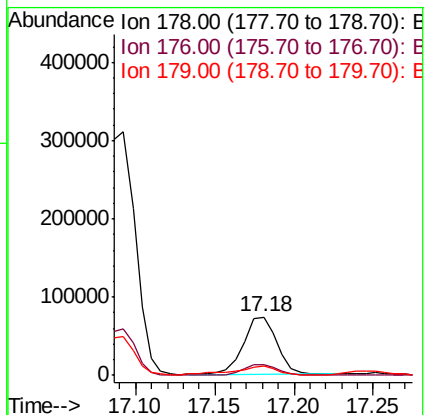
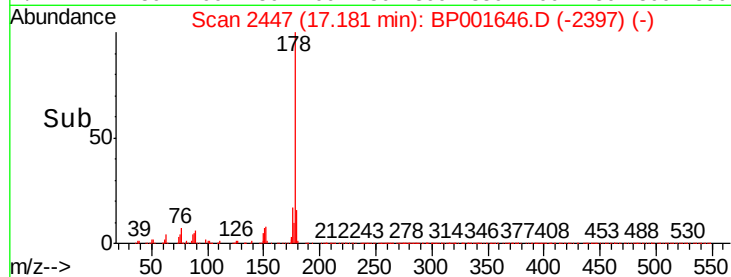
179 16.3 11.8 17.8



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



#73

Carbazole

Concen: 2.807 ng

RT: 17.45 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

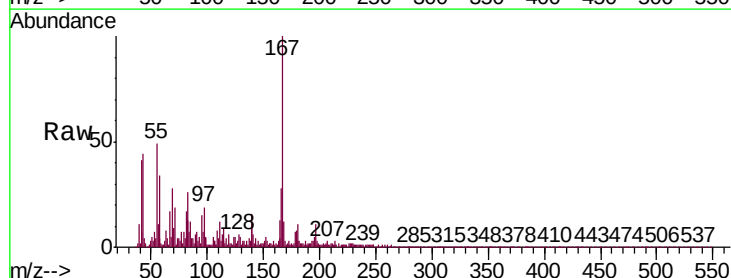
Tgt Ion:167 Resp: 28193

Ion Ratio Lower Upper

167 100

166 28.2 17.2 25.8#

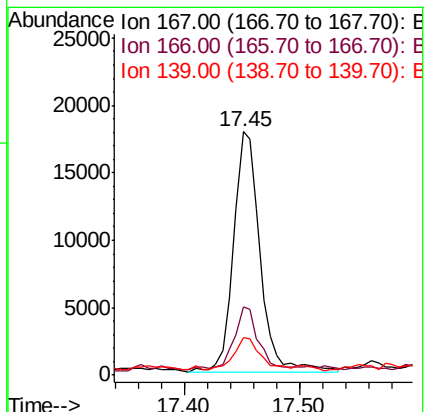
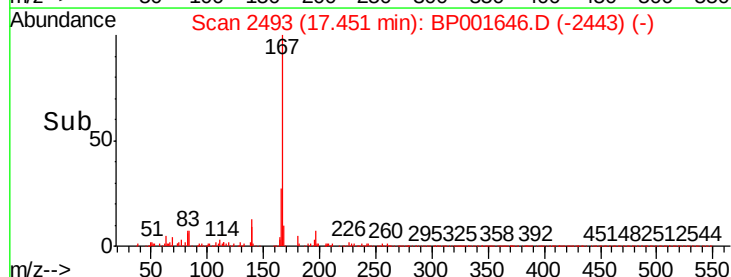
139 15.6 10.0 15.0#

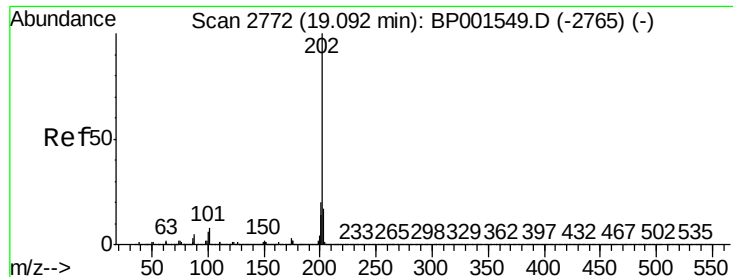


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 32.400 ng

RT: 19.07 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

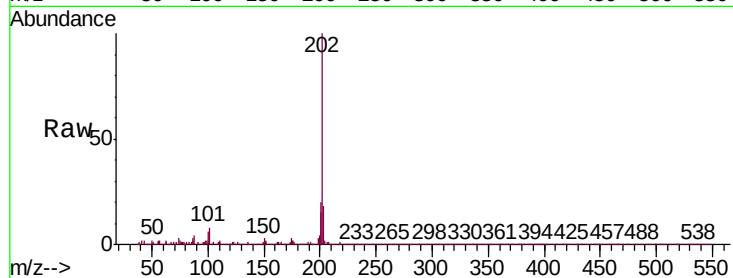
Tgt Ion:202 Resp: 468569

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.4

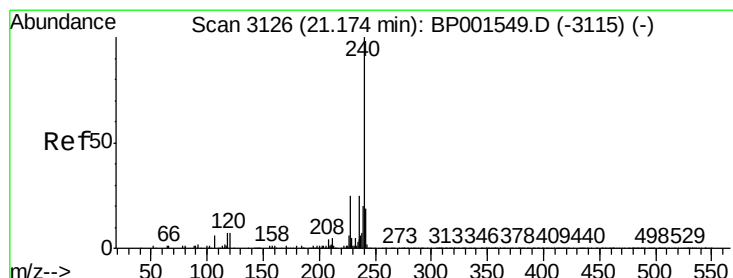
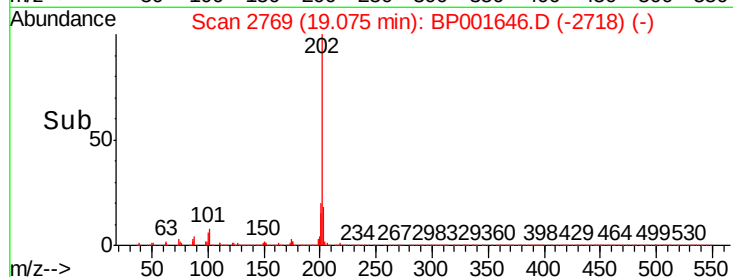
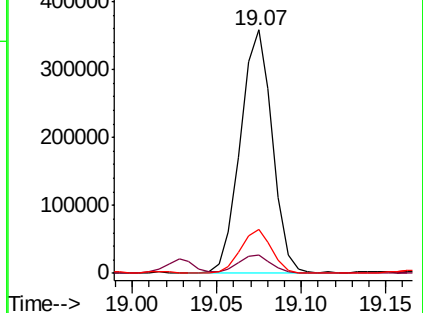
203 17.9 0.0 37.4



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: 21.15 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

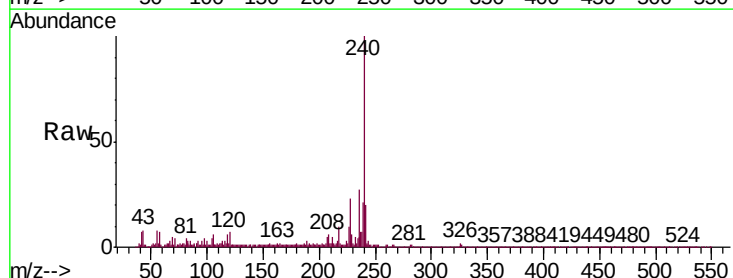
Tgt Ion:240 Resp: 169615

Ion Ratio Lower Upper

240 100

120 7.2 5.7 8.5

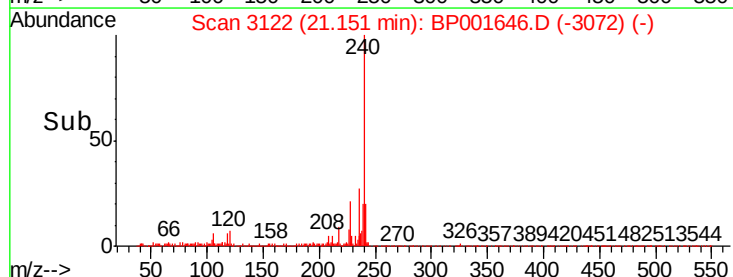
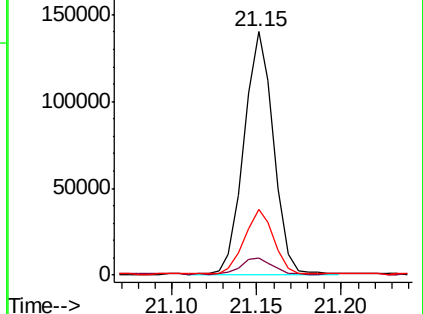
236 27.2 20.4 30.6

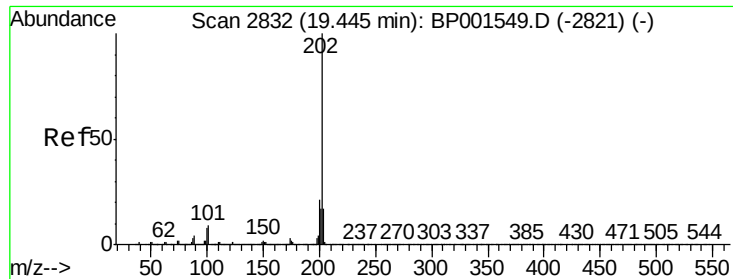


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 34.354 ng

RT: 19.43 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

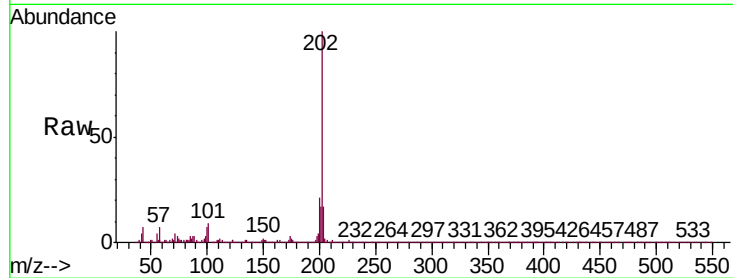
Tgt Ion:202 Resp: 428044

Ion Ratio Lower Upper

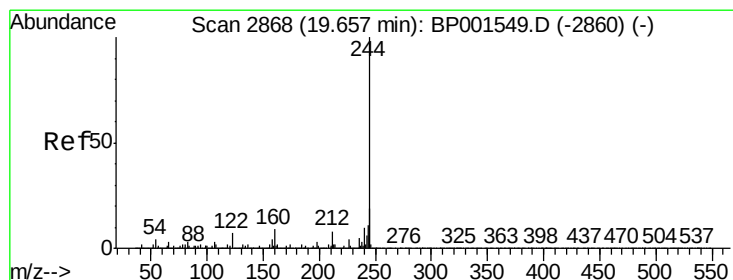
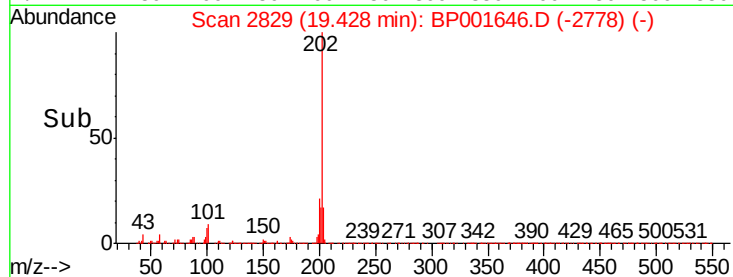
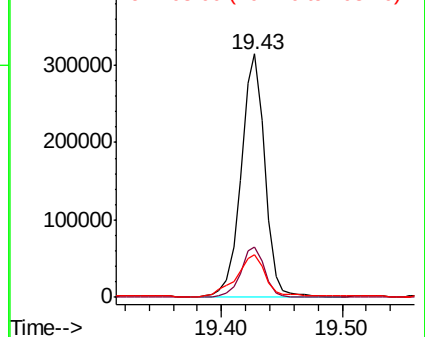
202 100

200 20.6 17.0 25.6

203 17.5 13.7 20.5



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: 26.846 ng

RT: 19.63 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

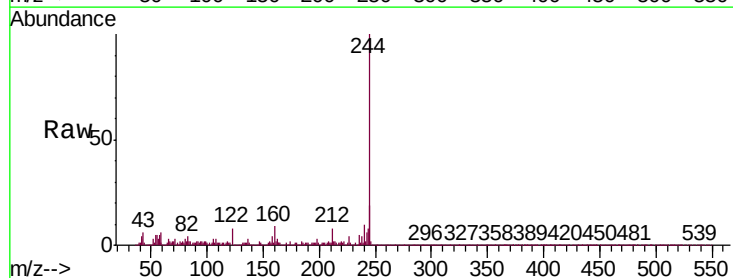
Tgt Ion:244 Resp: 248952

Ion Ratio Lower Upper

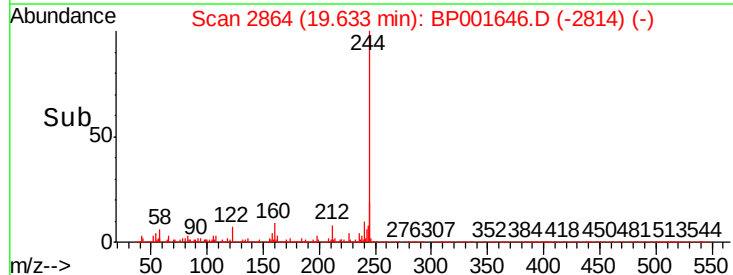
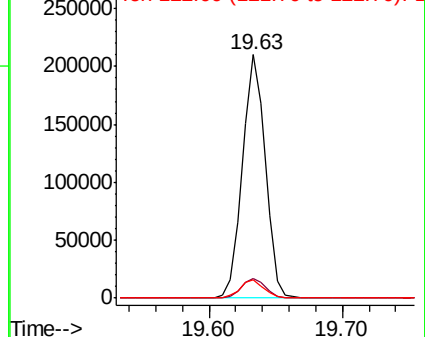
244 100

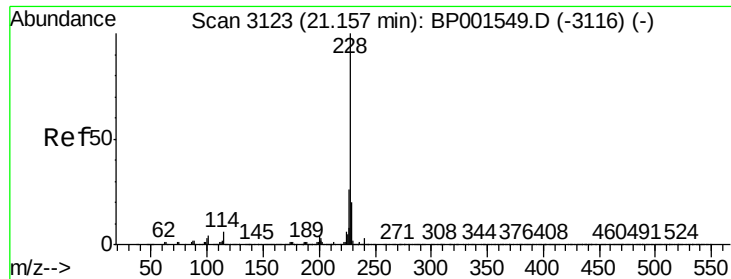
212 8.2 6.3 9.5

122 7.7 5.8 8.6



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

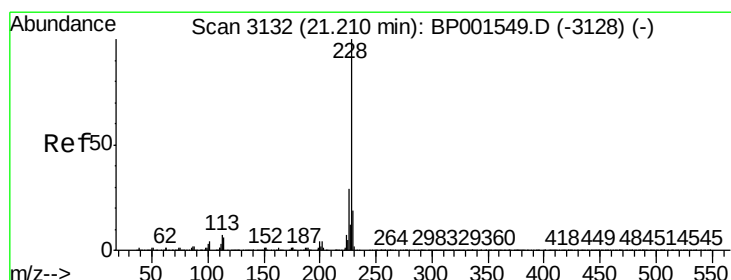
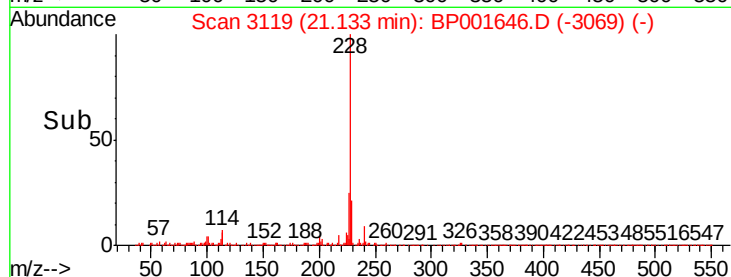
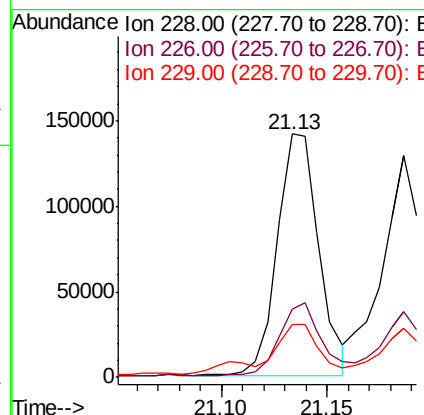
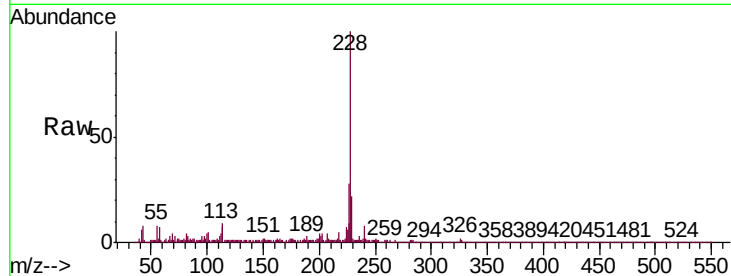




#81
Benzo(a)anthracene
Concen: 16.368 ng
RT: 21.13 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

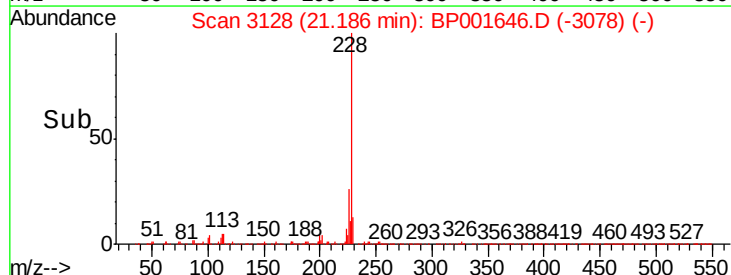
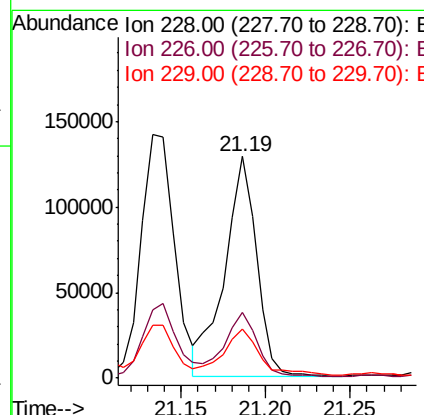
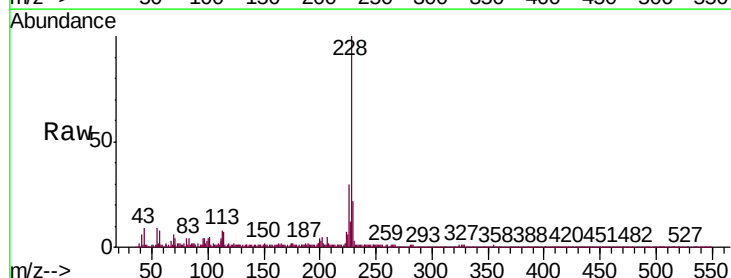
Instrument :
BNA_P
ClientSampleId :
SU-03-011520

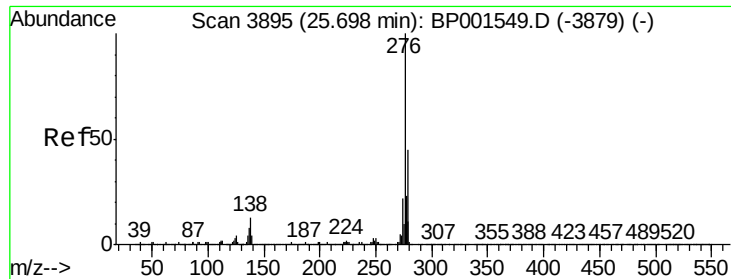
Tgt Ion:	228	Resp:	193352
Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.2	31.8
229	21.7	16.1	24.1



#83
Chrysene
Concen: 14.656 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001646.D
Acq: 17 Jan 2020 01:26

Tgt Ion:	228	Resp:	168724
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	22.2	15.2	22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.910 ng

RT: 25.64 min Scan# 3886

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

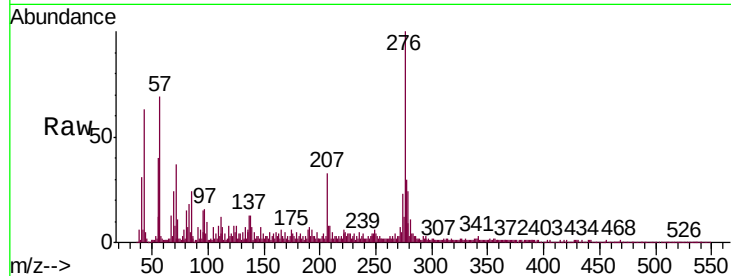
Tgt Ion:276 Resp: 79636

Ion Ratio Lower Upper

276 100

138 13.5 11.1 16.7

277 25.8 20.4 30.6

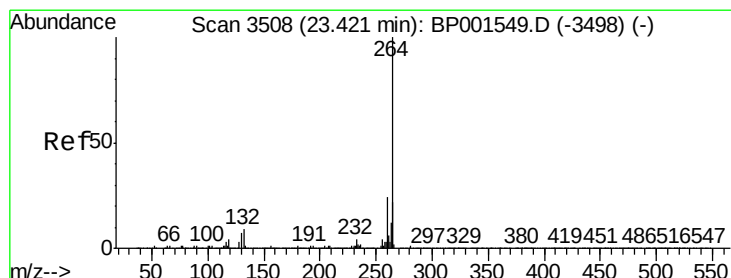
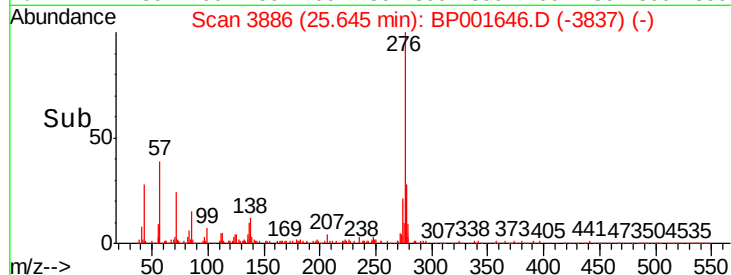
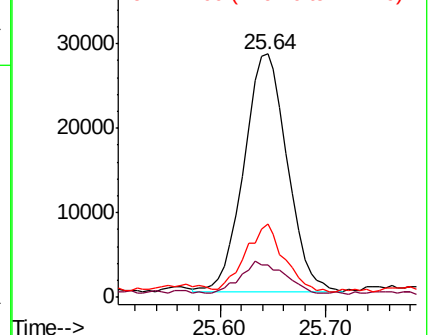


Abundance

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: 23.39 min Scan# 3502

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

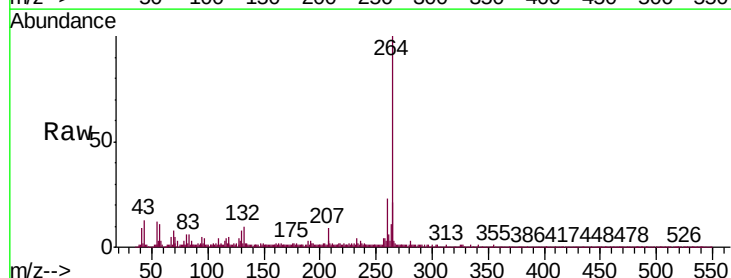
Tgt Ion:264 Resp: 182542

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 21.4 18.2 27.4

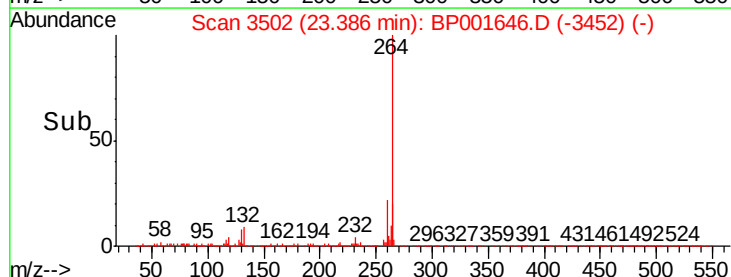
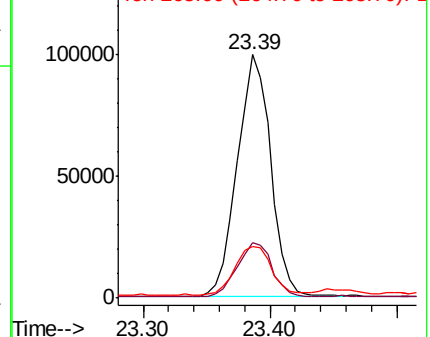


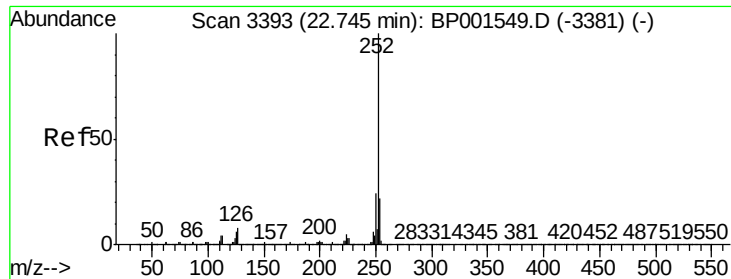
Abundance

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: 21.742 ng

RT: 22.72 min Scan# 3389

Delta R.T. 0.00 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Instrument :

BNA_P

ClientSampleId :

SU-03-011520

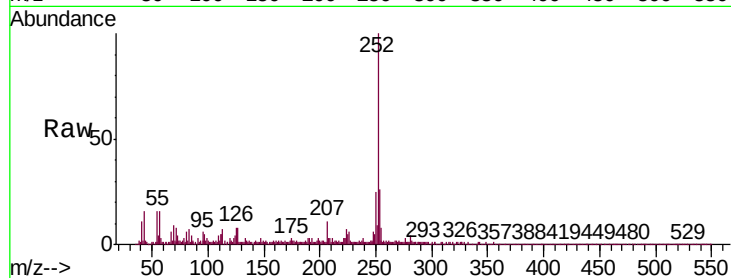
Tgt Ion:252 Resp: 250099

Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

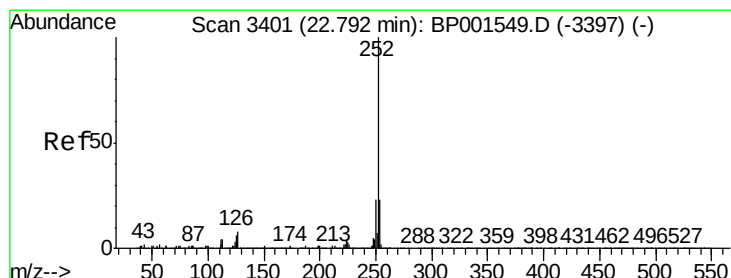
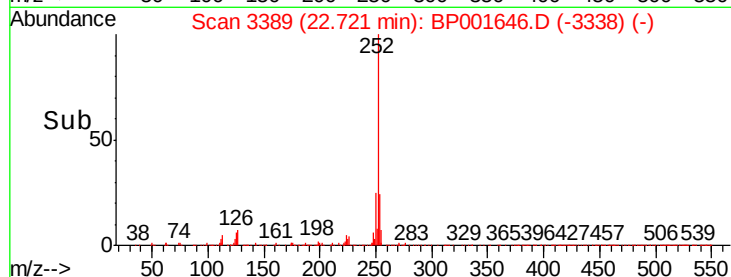
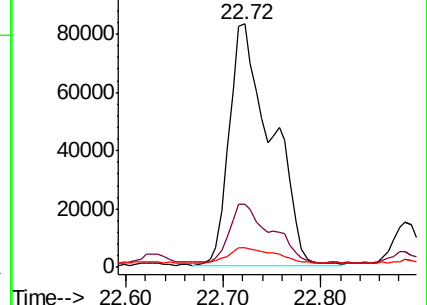
125 8.1 4.6 7.0#



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: 22.300 ng

RT: 22.72 min Scan# 3389

Delta R.T. -0.05 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

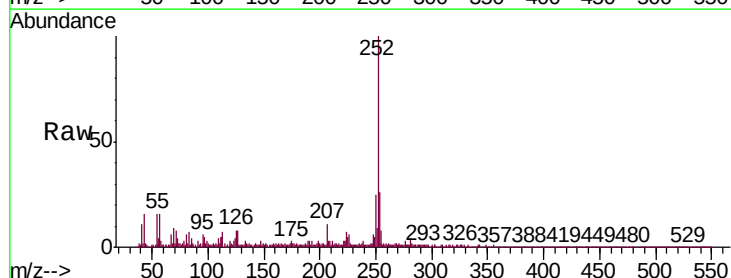
Tgt Ion:252 Resp: 250099

Ion Ratio Lower Upper

252 100

253 25.8 18.2 27.2

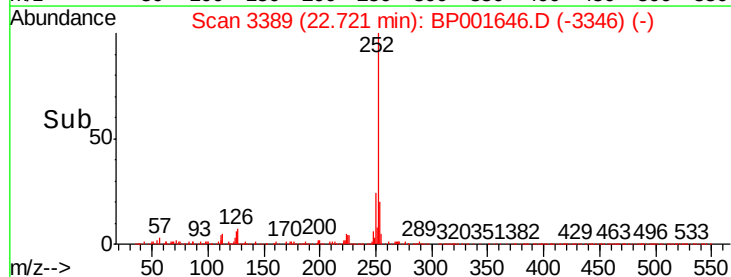
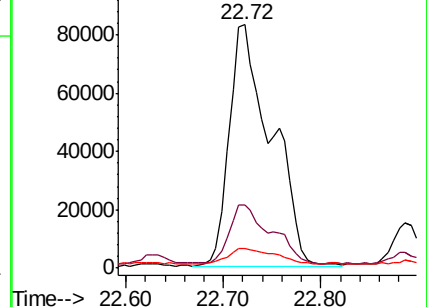
125 8.1 4.6 6.8#

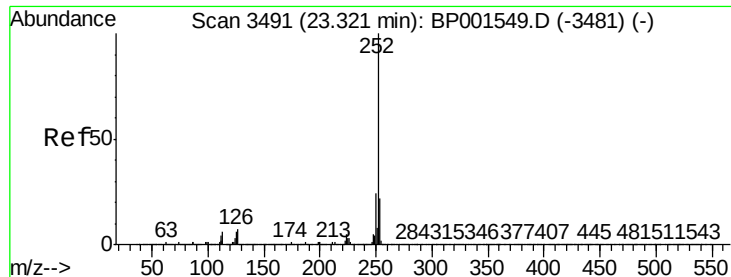


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.174 ng

RT: 23.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

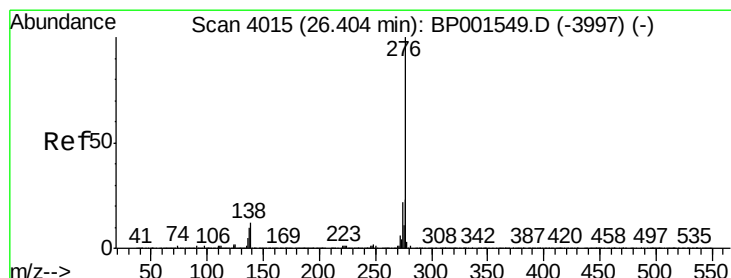
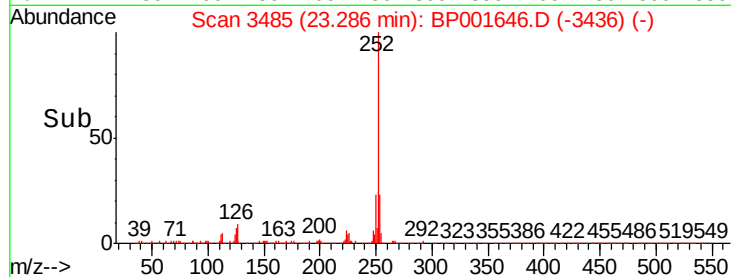
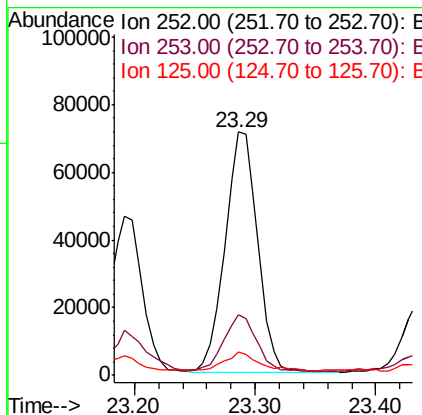
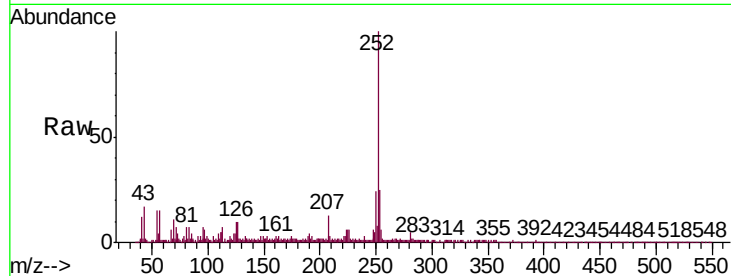
Instrument :

BNA_P

ClientSampleId :

SU-03-011520

Tgt Ion:	252	Resp:	132964
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.6	26.4
125	9.5	5.0	7.4#



#92

Benzo(g,h,i)perylene

Concen: 6.748 ng

RT: 26.33 min Scan# 4003

Delta R.T. -0.01 min

Lab File: BP001646.D

Acq: 17 Jan 2020 01:26

Tgt Ion:	276	Resp:	75588
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.6	28.0
138	14.1	9.4	14.2

