

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000685.D
 Acq On : 12 Oct 2019 22:23
 Operator : JU
 Sample : K5266-14RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 14 04:38:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	255775	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	909922	20.00	ng	-0.02
39) Acenaphthene-d10	9.79	164	511252	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	935337	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	798958	20.00	ng	-0.01
87) Perylene-d12	15.45	264	882801	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	561292	35.27	ng	-0.02
7) Phenol-d6	6.39	99	875828	45.68	ng	-0.02
23) Nitrobenzene-d5	7.31	82	1377594	92.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	178468	32.76	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	2586484	81.86	ng	-0.02
79) Terphenyl-d14	12.90	244	3039522	77.03	ng	-0.01

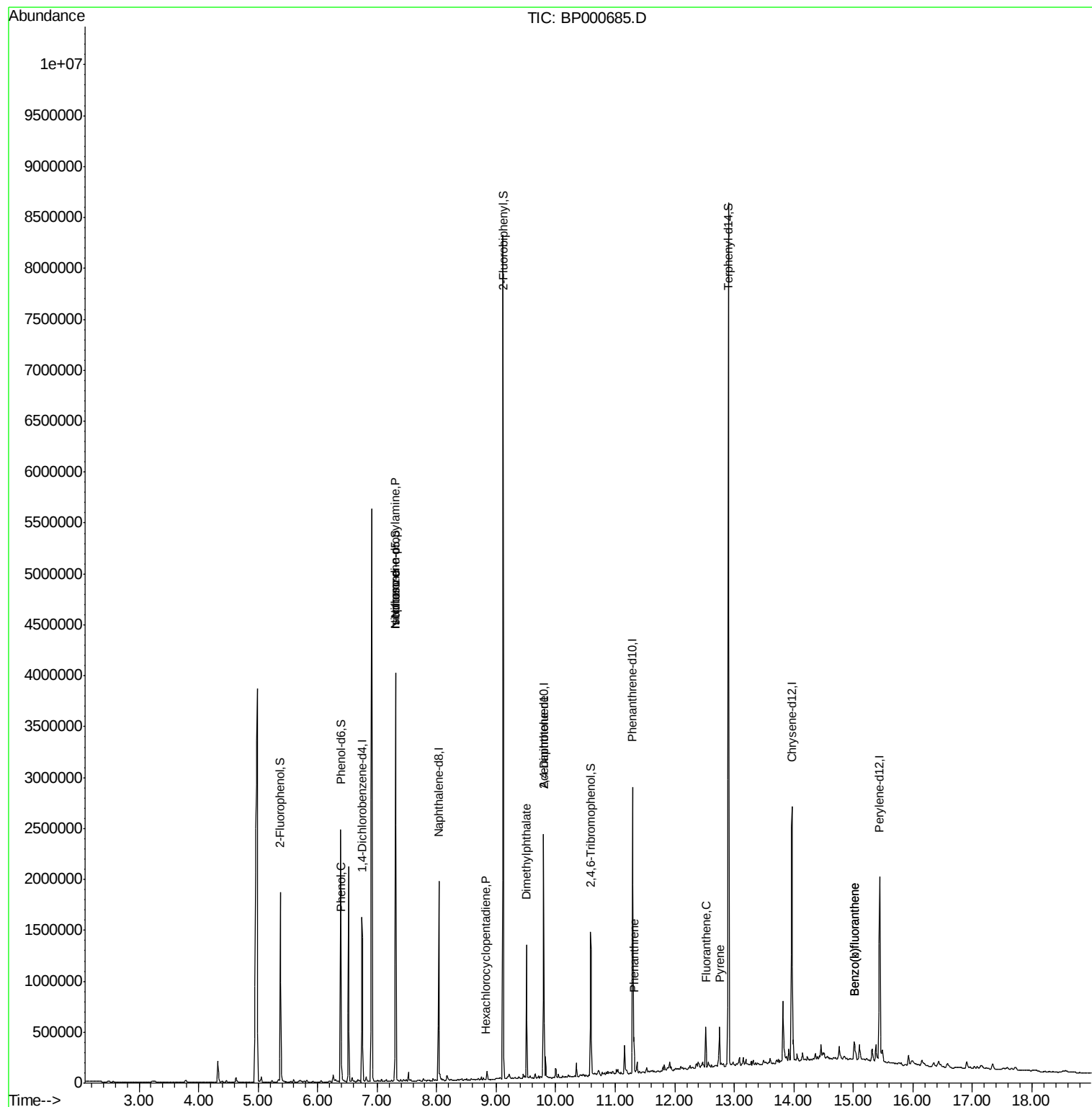
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	76097	3.876	ng	92
19) n-Nitroso-di-n-propylamine	7.31	70	170700	19.314	ng	# 73
25) Isophorone	7.31	82	1376615	52.063	ng	# 61
41) Hexachlorocyclopentadiene	8.81	237	29	7.301	ng	88
50) Dimethylphthalate	9.51	163	470822	13.254	ng	100
57) 2,4-Dinitrotoluene	9.79	165	66753	6.499	ng	# 32
71) Phenanthrene	11.32	178	110572	2.354	ng	99
75) Fluoranthene	12.52	202	154385	2.926	ng	99
78) Pyrene	12.75	202	147704	2.680	ng	99
88) Benzo(b)fluoranthene	15.02	252	134621	2.688	ng	# 94
89) Benzo(k)fluoranthene	15.02	252	134621	2.823	ng	# 96

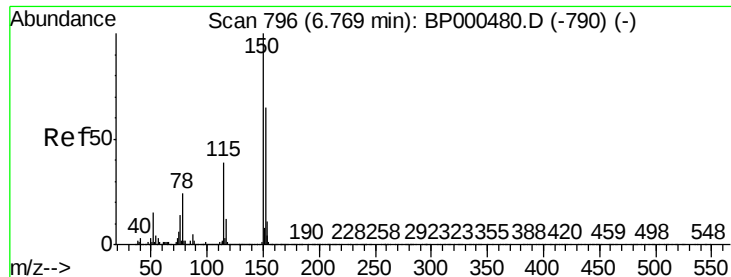
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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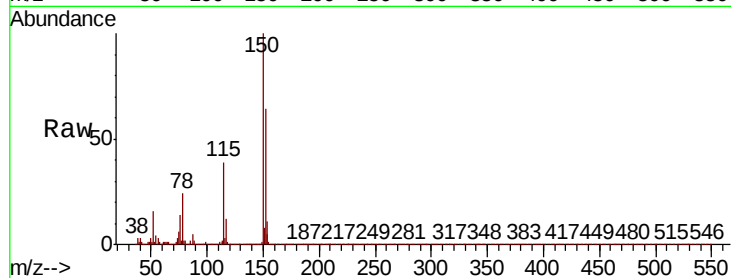


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.02 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.1	186.1
115	60.6	48.7	73.1

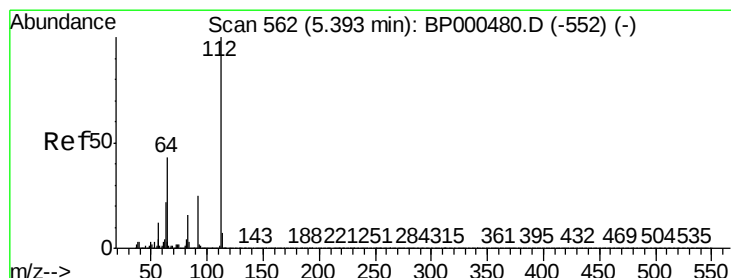
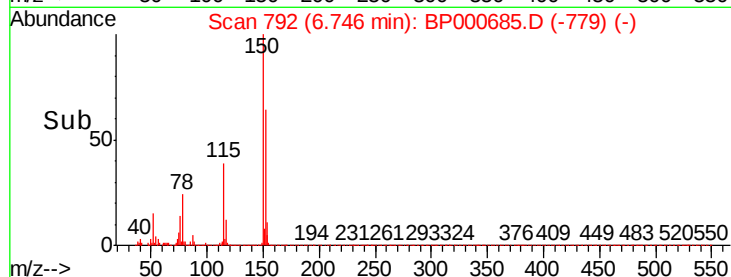
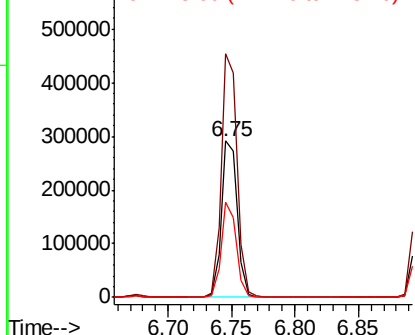


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

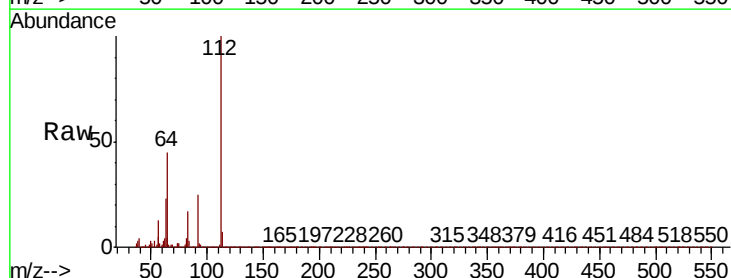
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 35.275 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.4	34.2	51.4
63	23.0	17.9	26.9

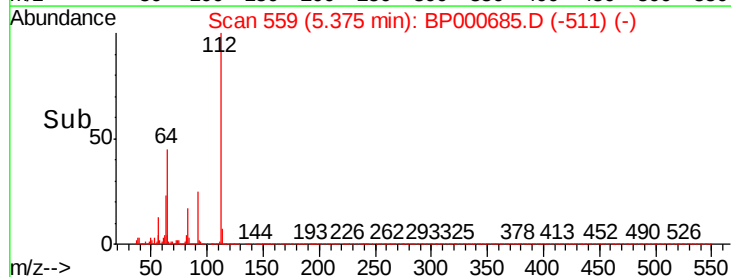
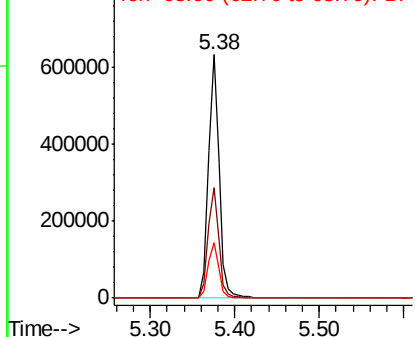


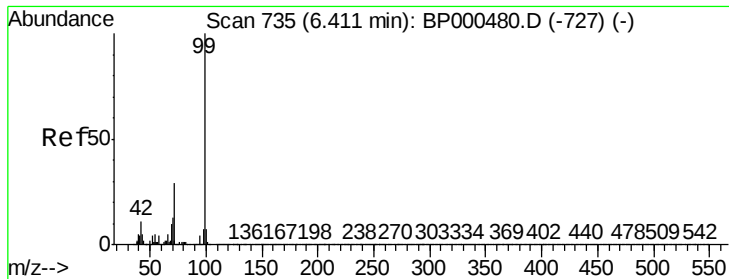
Abundance

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: 45.677 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

Instrument :

BNA_P

ClientSampleId :

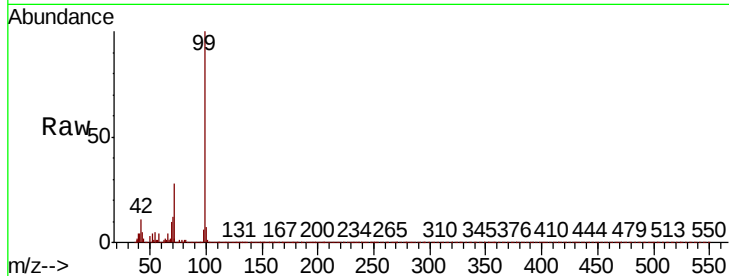
Tot Ion: 99 Resp: 875828

Ion Ratio Lower Upper

99 100

42 10.7 8.6 12.8

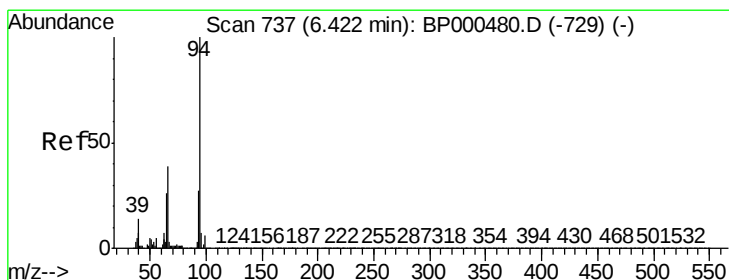
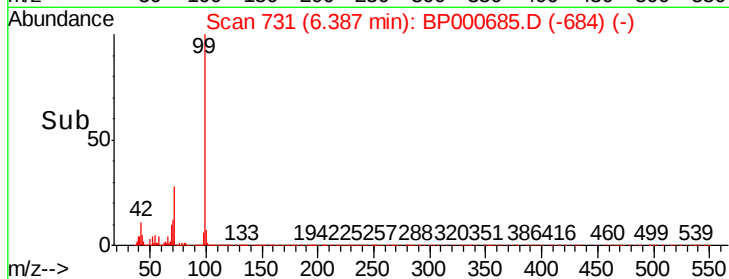
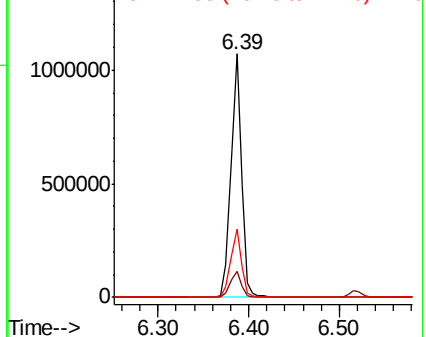
71 27.9 23.0 34.4



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: 3.876 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

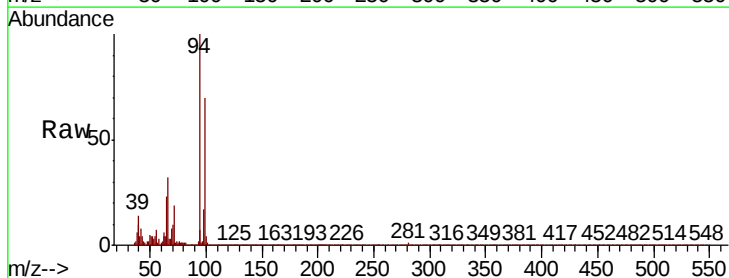
Tgt Ion: 94 Resp: 76097

Ion Ratio Lower Upper

94 100

65 23.4 5.9 45.9

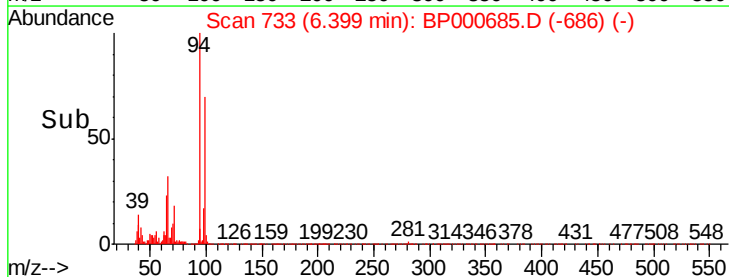
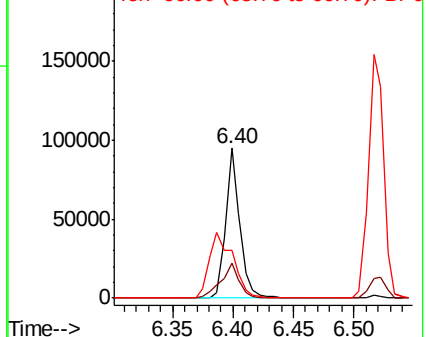
66 32.2 18.8 58.8

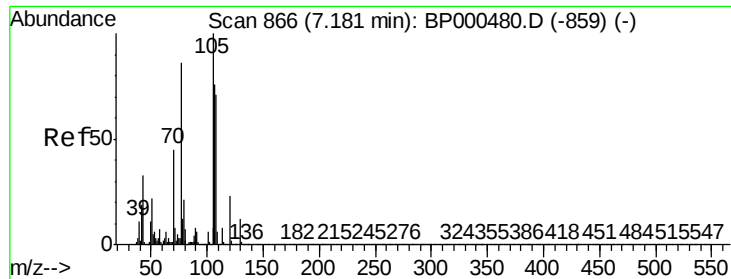


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

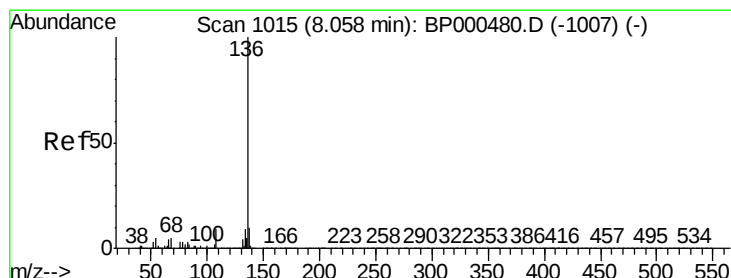
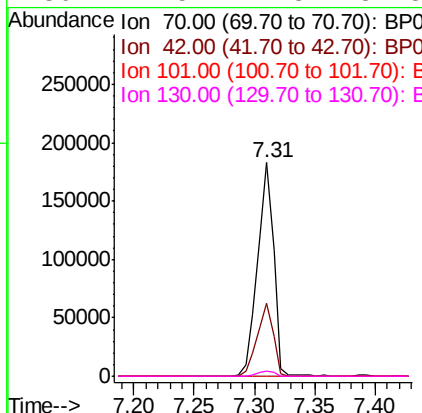
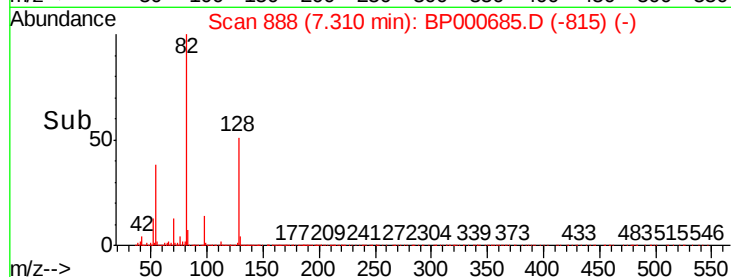
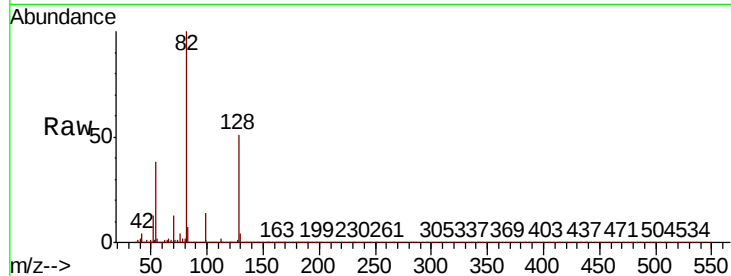




#19
n-Nitroso-di-n-propylamine
Concen: 19.314 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

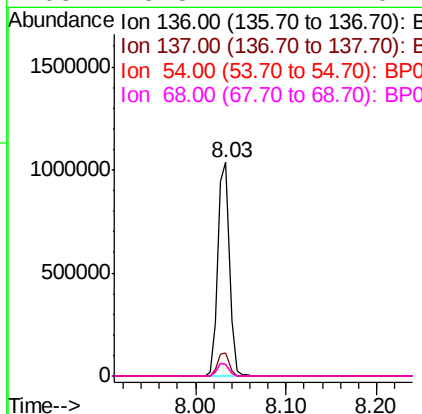
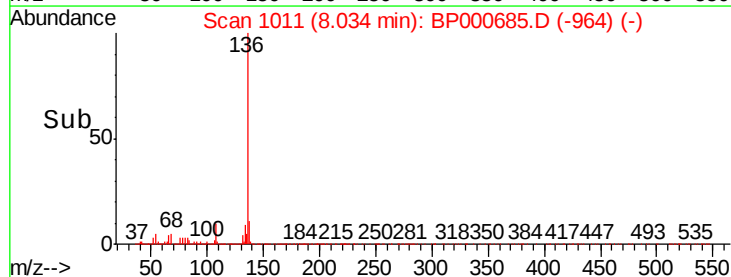
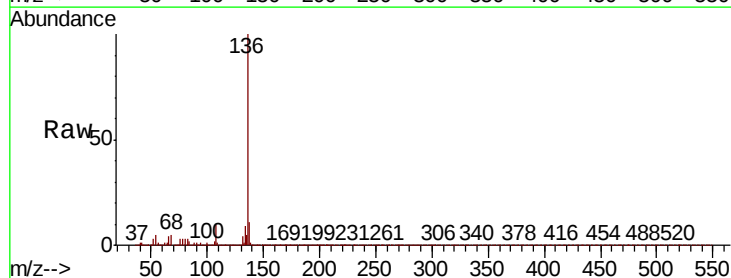
Instrument :
BNA_P
ClientSampled :

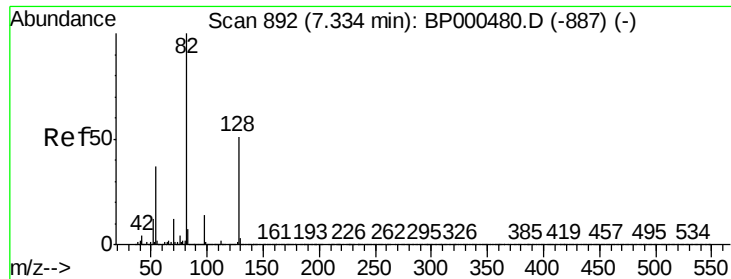
Tot Ion:	70	Resp:	170700
Ion	Ratio	Lower	Upper
70	100		
42	34.1	33.2	49.8
101	0.1	9.9	14.9#
130	2.5	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Tgt Ion:	136	Resp:	909922
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	5.3	4.1	6.1
68	5.3	4.1	6.1

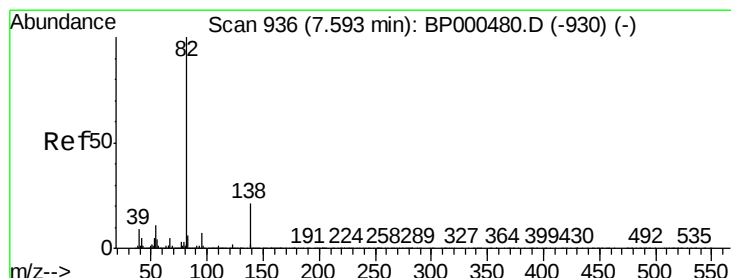
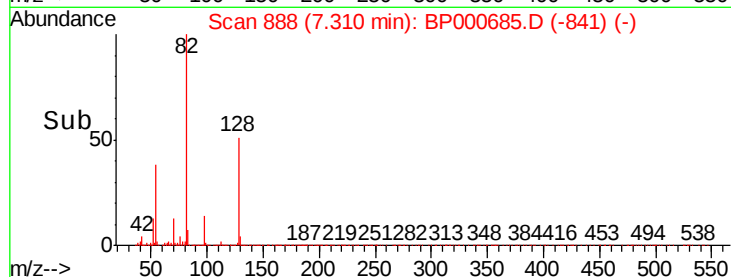
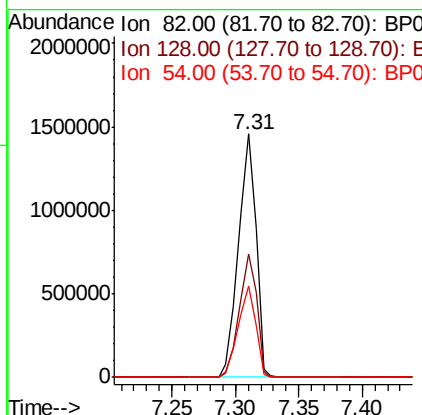
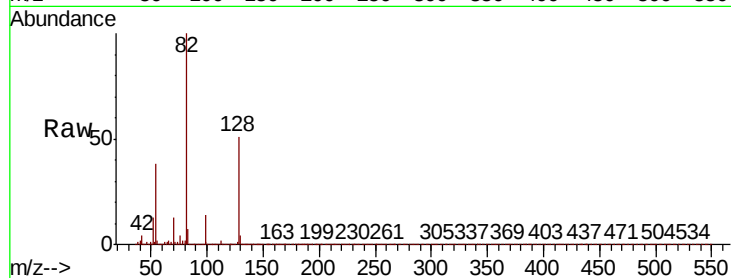




#23
 Nitrobenzene-d5
 Concen: 92.466 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BP000685.D
 Acq: 12 Oct 2019 22:23

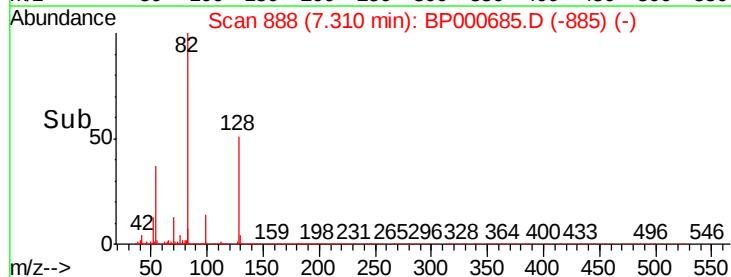
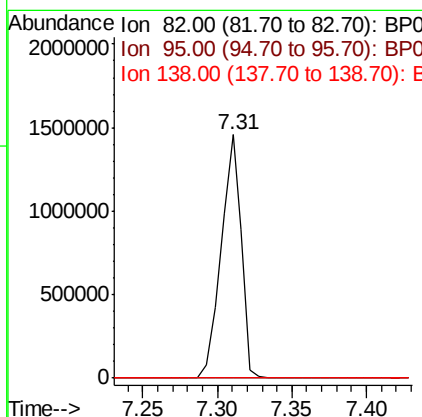
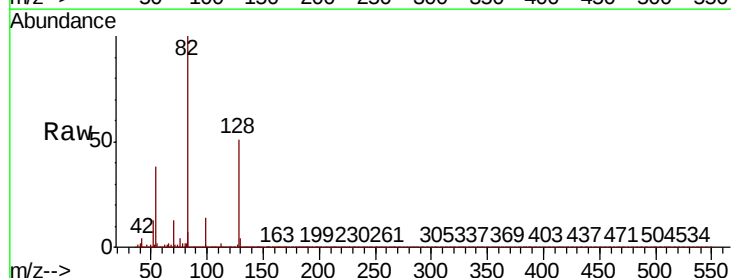
Instrument :
 BNA_P
 ClientSampleId :

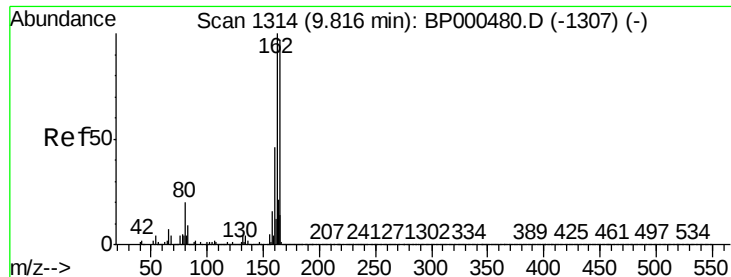
Tot Ion: 82 Resp: 1377594
 Ion Ratio Lower Upper
 82 100
 128 50.7 40.9 61.3
 54 37.7 29.4 44.2



#25
 Isophorone
 Concen: 52.063 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BP000685.D
 Acq: 12 Oct 2019 22:23

Tgt Ion: 82 Resp: 1376615
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 17.0 25.4#

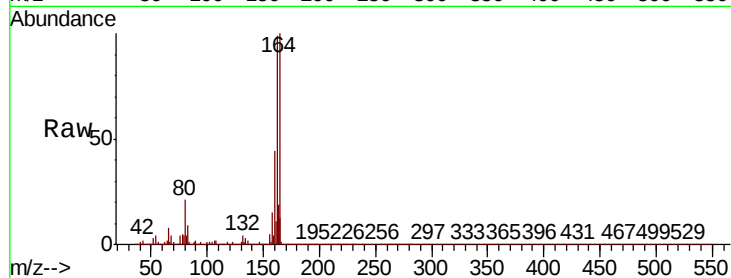




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.5	82.2	123.2
160	44.2	37.6	56.4

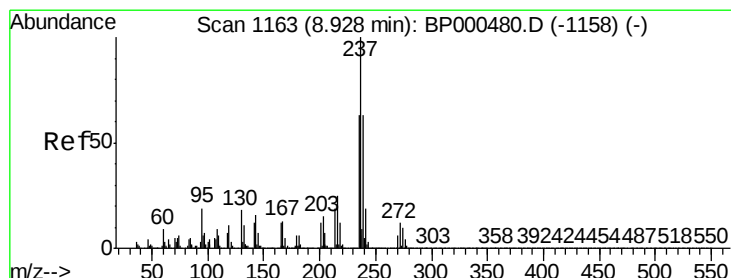
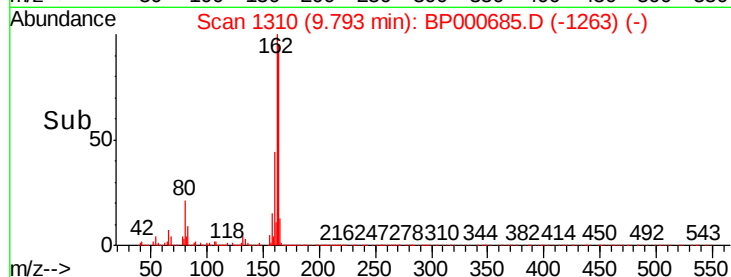
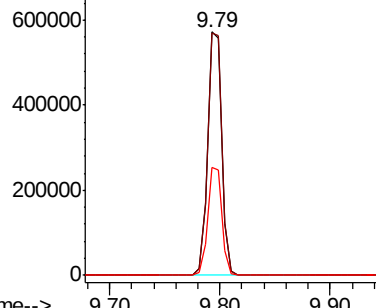


Abundance

Ion 164.00 (163.70 to 164.70): E

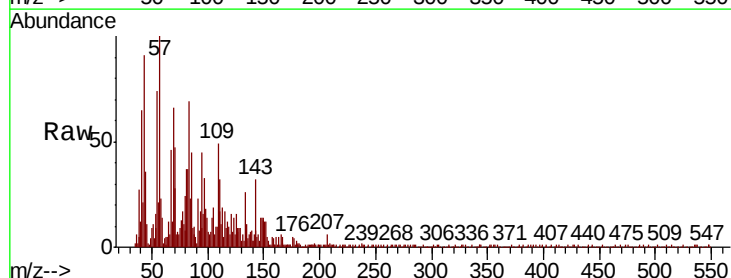
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
Hexachlorocyclopentadiene
Concen: 7.301 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.12 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Tgt Ion	Ratio	Lower	Upper
237	100		
235	59.4	42.9	82.9
272	31.3	0.0	32.4

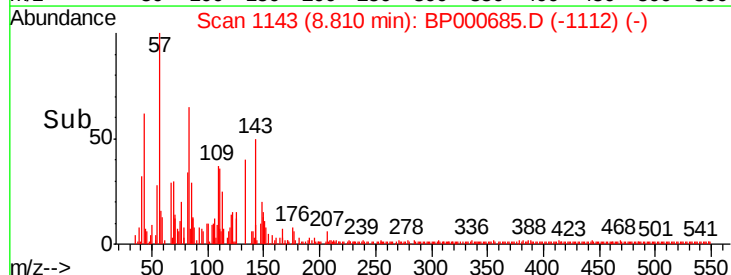
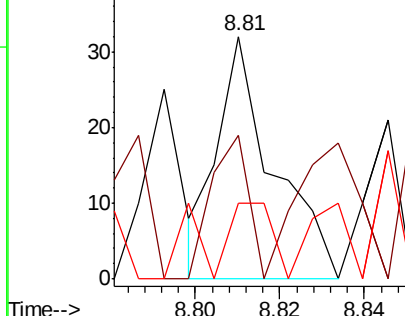


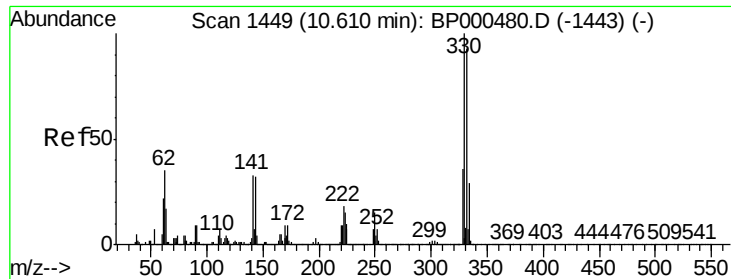
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

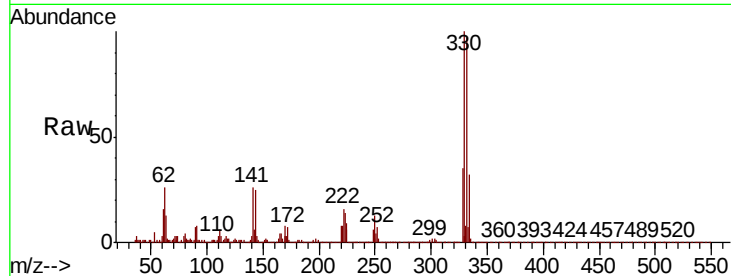




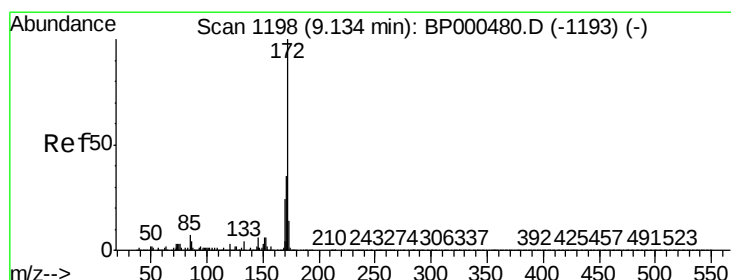
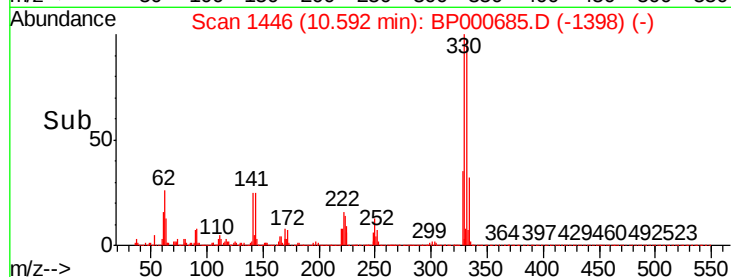
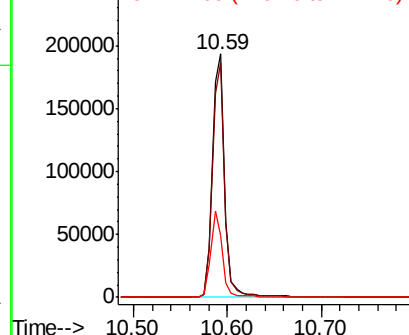
#42
2,4,6-Tribromophenol
Concen: 32.758 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 178468
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 33.7 26.0 39.0

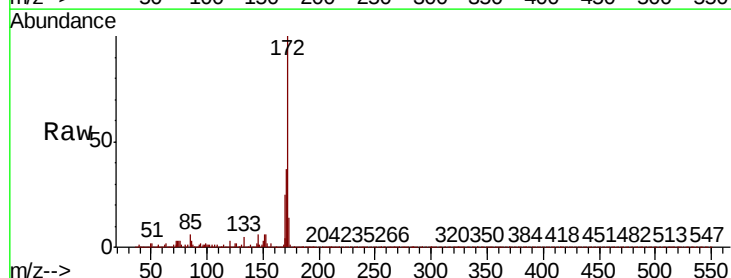


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

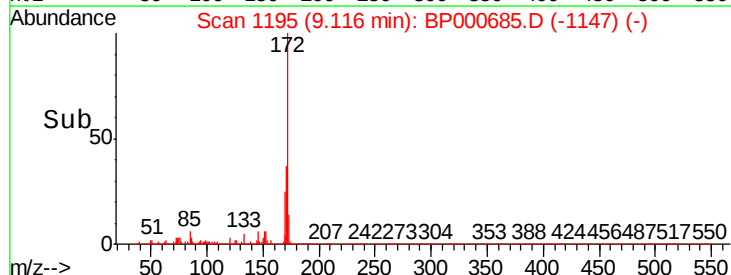
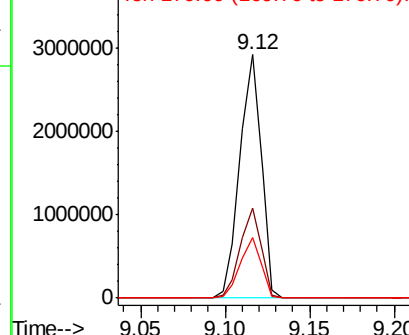


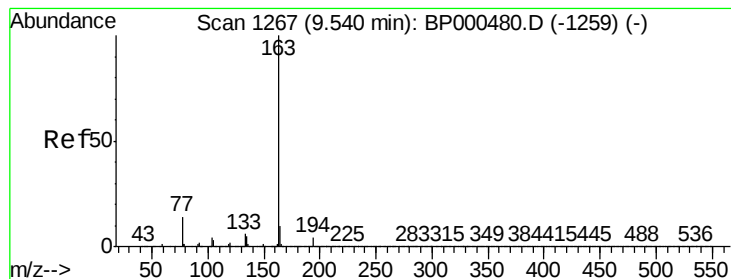
#45
2-Fluorobiphenyl
Concen: 81.856 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Tgt Ion:172 Resp: 2586484
Ion Ratio Lower Upper
172 100
171 37.2 28.4 42.6
170 24.7 19.1 28.7



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: 13.254 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

Instrument :

BNA_P

ClientSampleId :

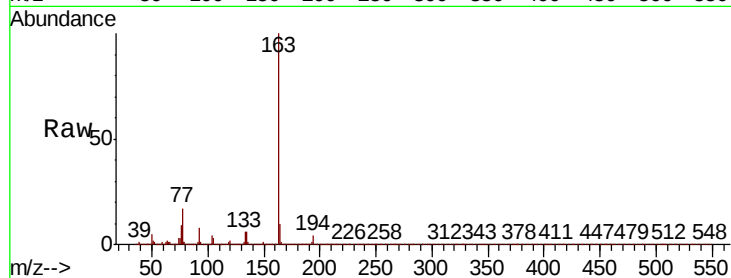
Tot Ion:163 Resp: 470822

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

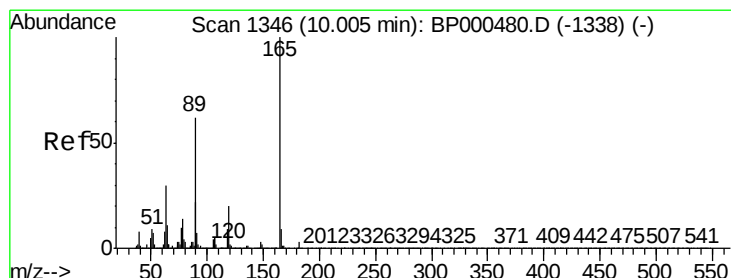
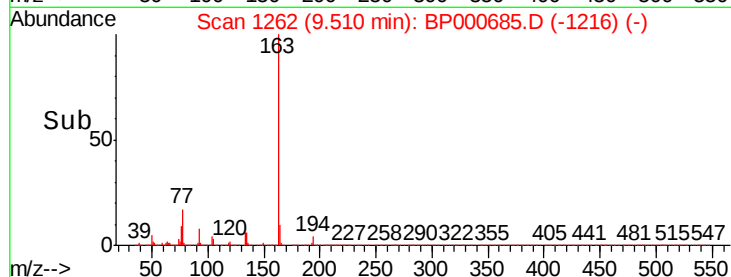
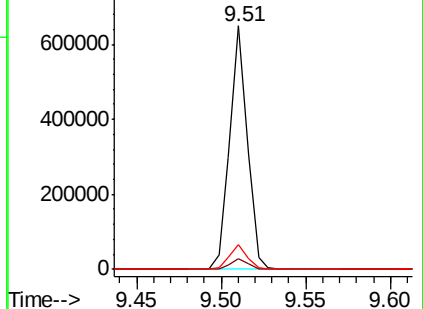
164 10.2 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.499 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.21 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

Tgt Ion:165 Resp: 66753

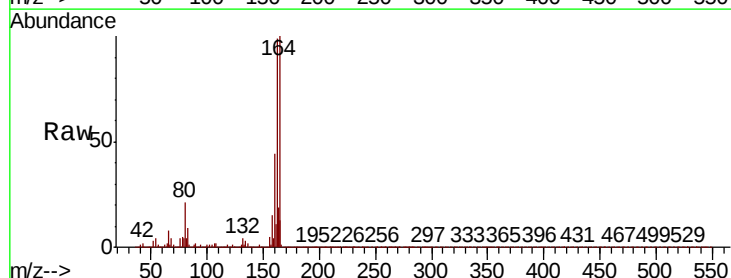
Ion Ratio Lower Upper

165 100

63 0.9 24.2 36.4#

89 1.4 49.4 74.0#

182 0.2 2.5 3.7#

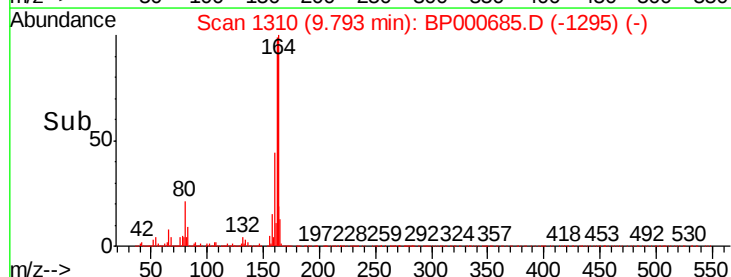
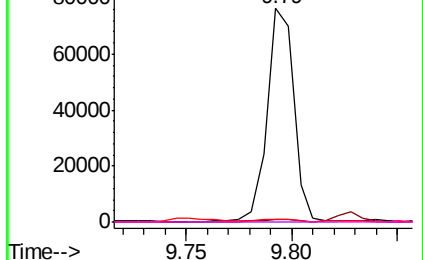


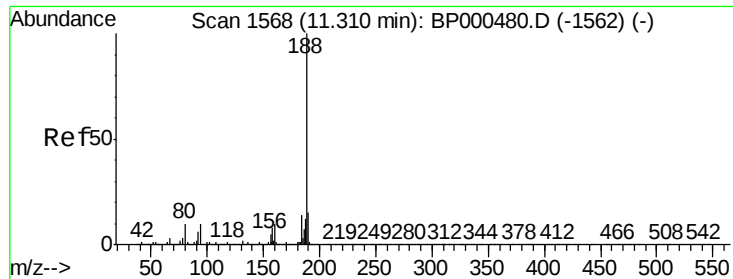
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

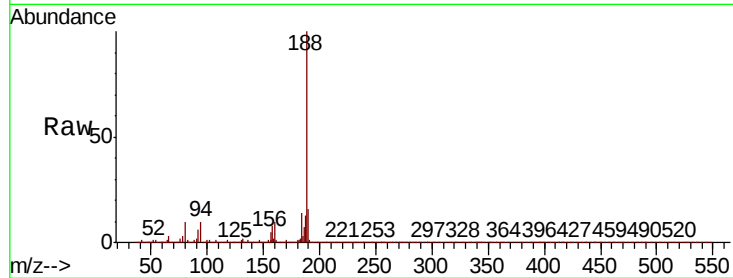
Instrument :

BNA_P

ClientSampleId :

Tot Ion:188 Resp: 935337

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	10.4	8.3	12.5

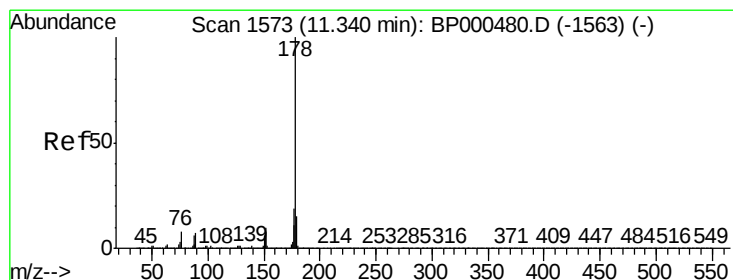
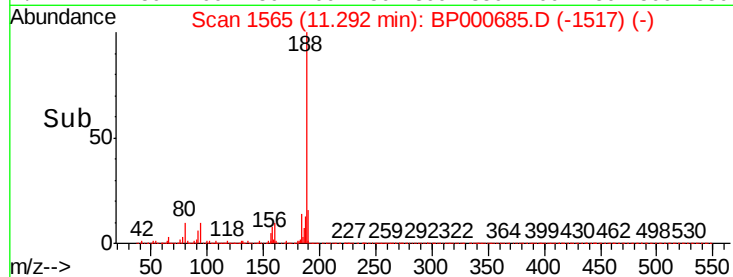


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

Time-->



#71

Phenanthrene

Concen: 2.354 ng

RT: 11.32 min Scan# 1569

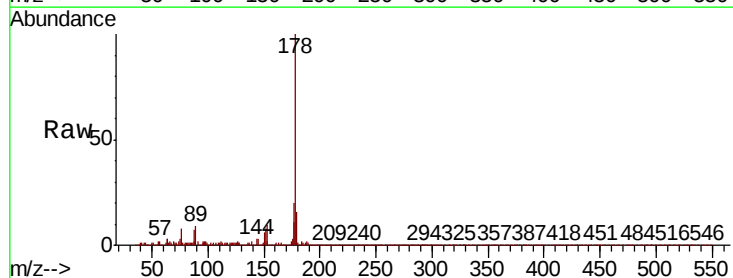
Delta R.T. -0.02 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

Tgt Ion:178 Resp: 110572

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.0	12.2	18.4

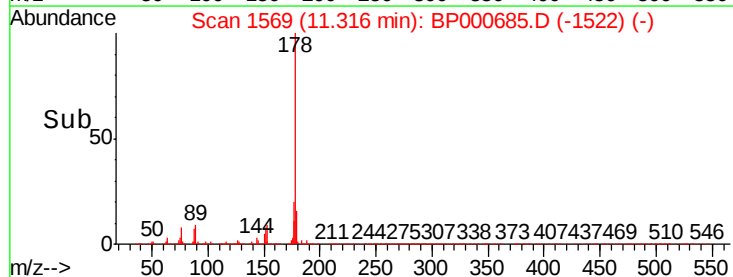


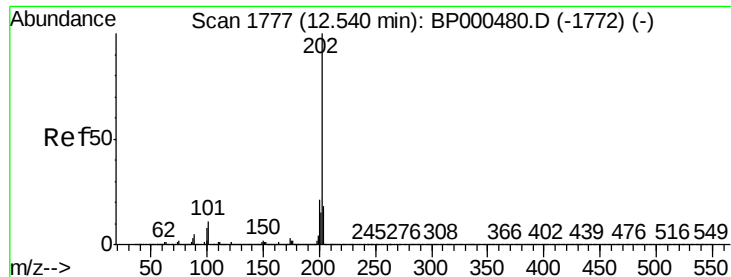
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->





#75

Fluoranthene

Concen: 2.926 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000685.D

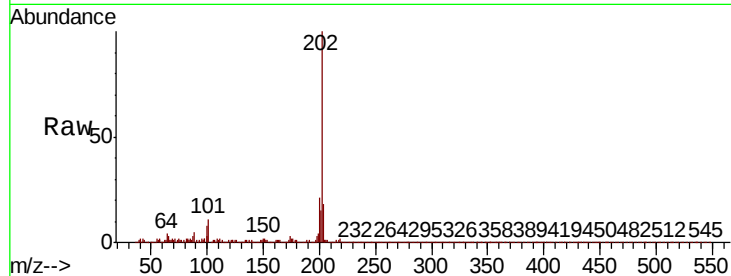
Acq: 12 Oct 2019 22:23

Instrument :

BNA_P

ClientSampleId :

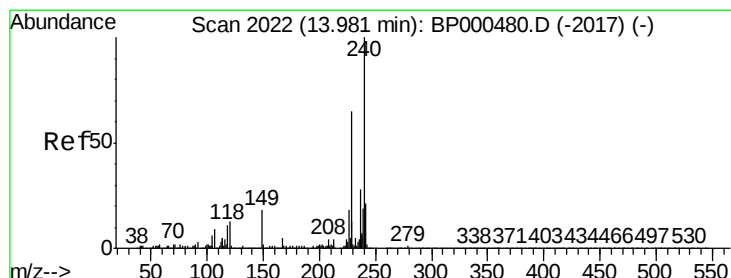
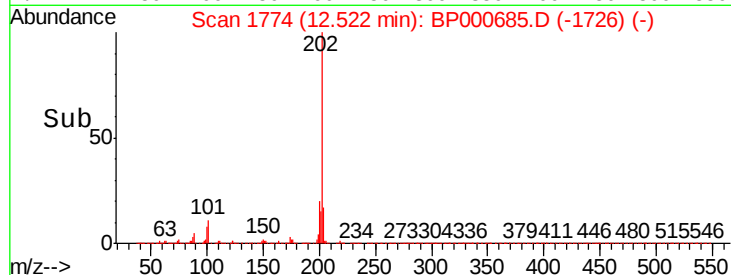
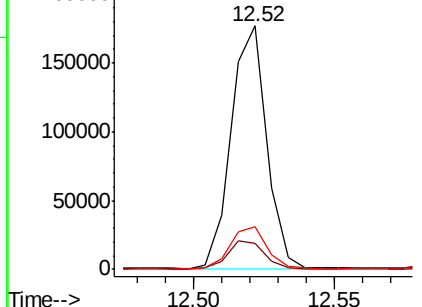
Tot Ion:	202	Resp:	154385
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	17.7	0.0	38.1



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

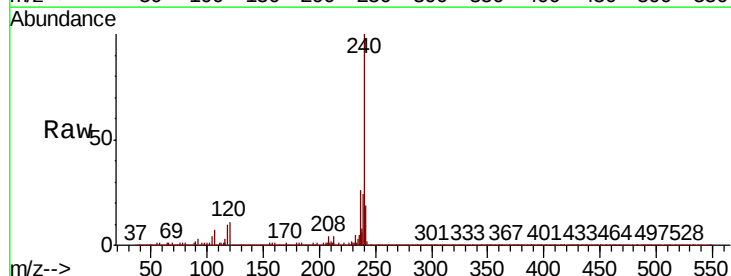
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

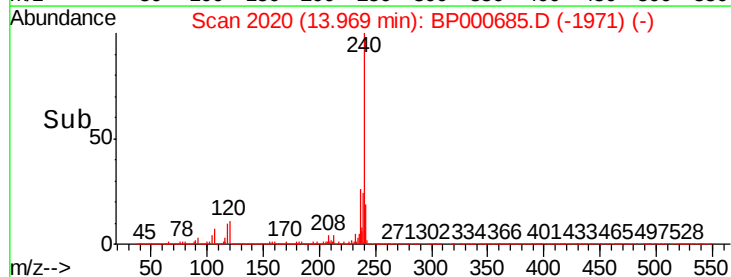
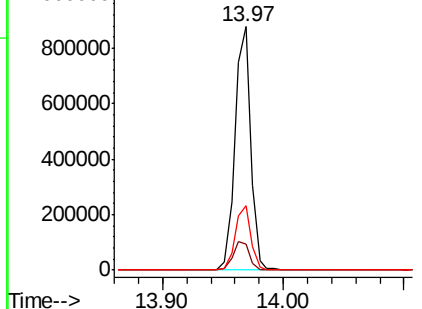
Tgt Ion:	240	Resp:	798958
Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.1	15.1
236	26.4	22.7	34.1

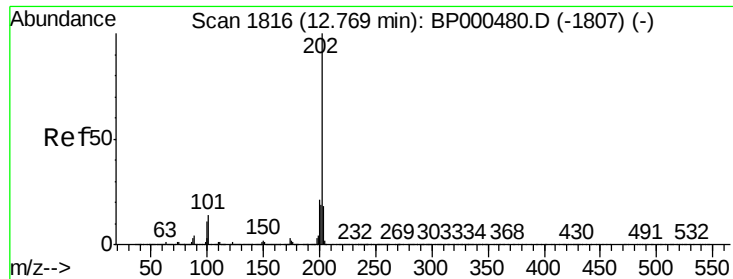


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

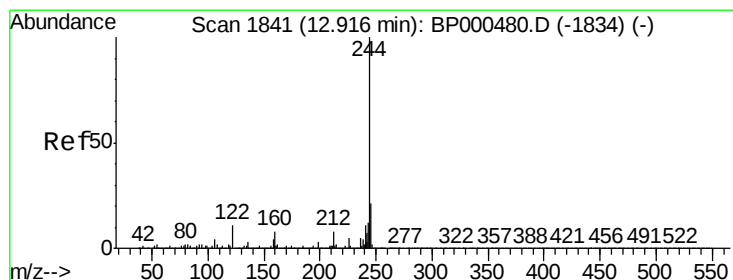
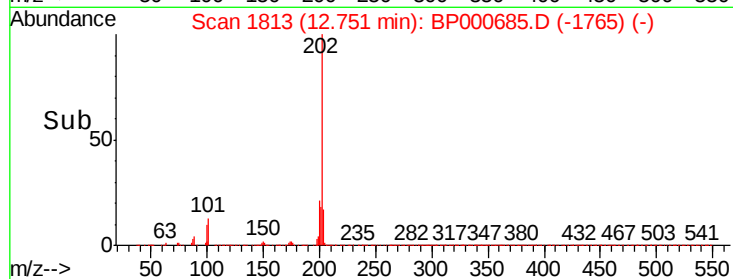
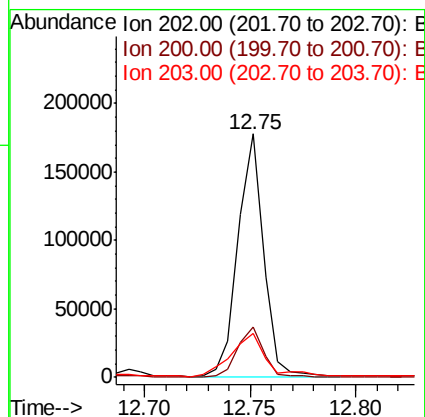
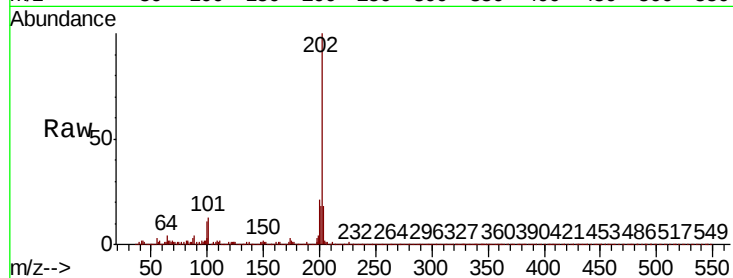




#78
Pvrene
Concen: 2.680 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

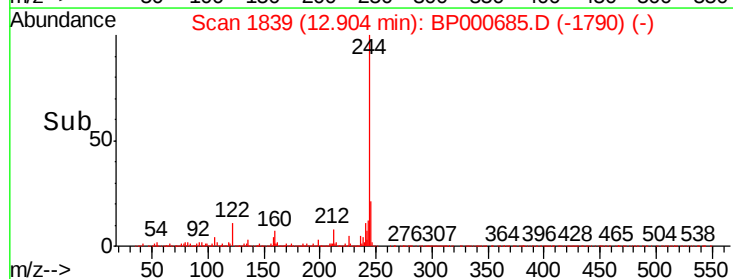
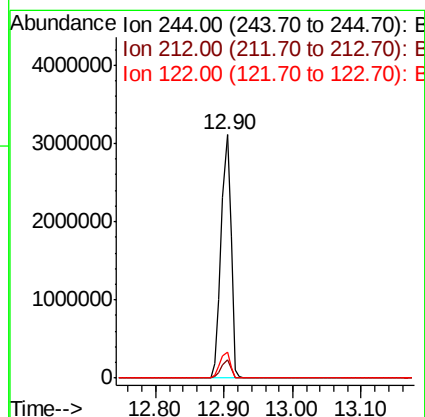
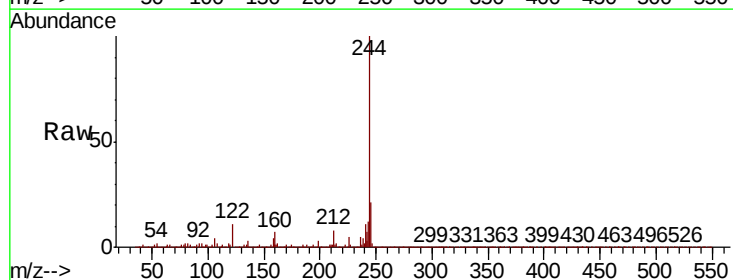
Instrument :
BNA_P
ClientSampleId :

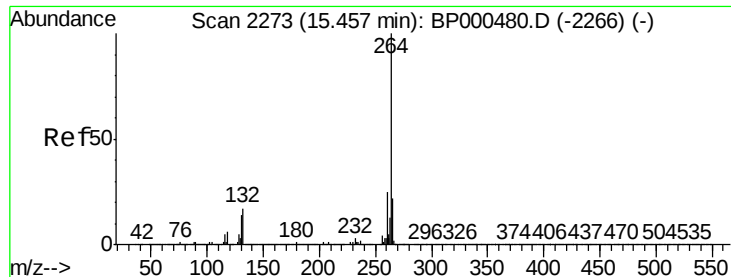
Tot Ion:202 Resp: 147704
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 77.028 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Tgt Ion:244 Resp: 3039522
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 10.8 8.9 13.3



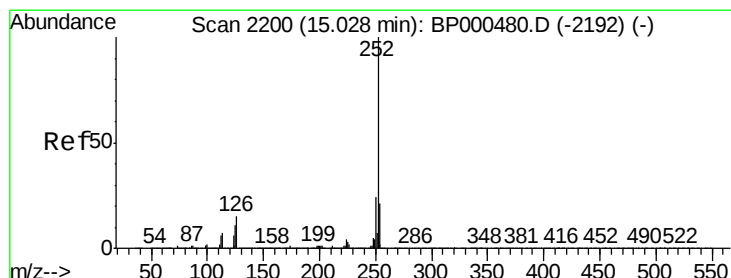
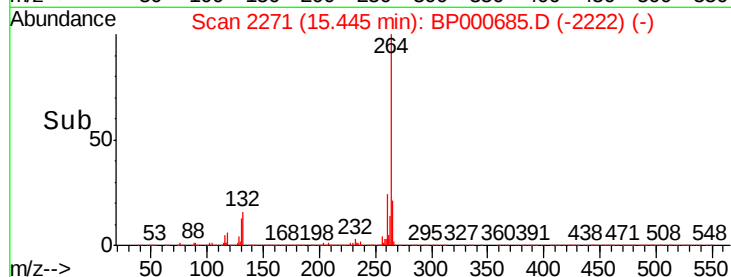
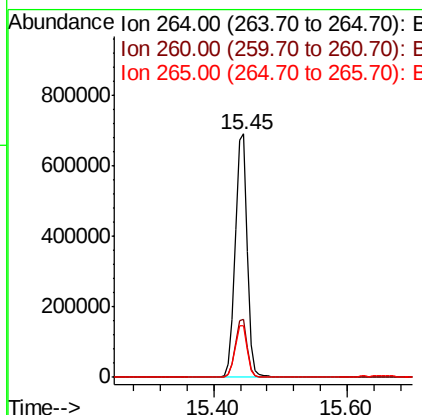
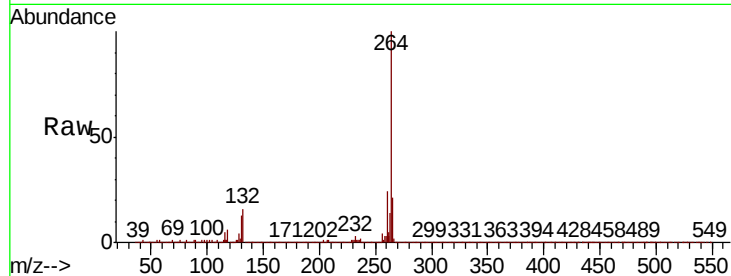


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 882801

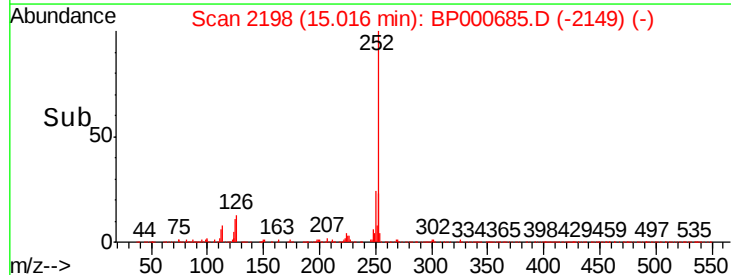
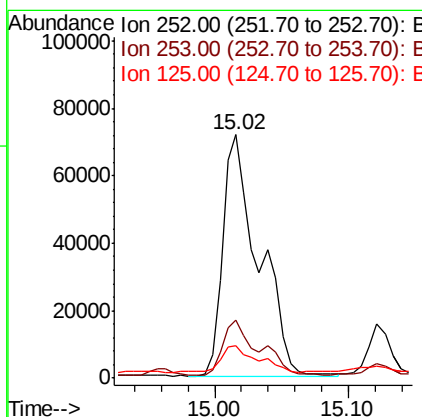
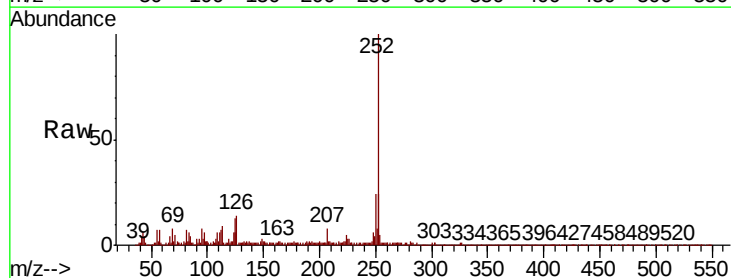
Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.3	30.5
265	21.4	18.0	27.0

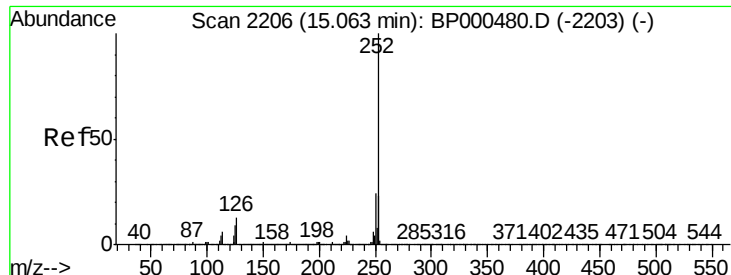


#88
Benzo(b)fluoranthene
Concen: 2.688 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP000685.D
Acq: 12 Oct 2019 22:23

Tgt Ion:252 Resp: 134621

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.4
125	13.4	8.9	13.3#





#89

Benzo(k)fluoranthene

Concen: 2.823 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.05 min

Lab File: BP000685.D

Acq: 12 Oct 2019 22:23

Instrument :

BNA_P

ClientSampleId :

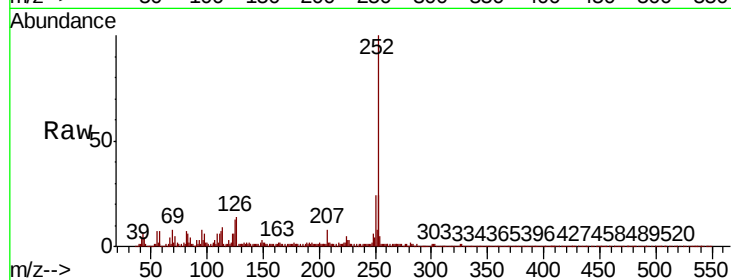
Tot Ion:252 Resp: 134621

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

125 13.4 7.8 11.8#



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

