

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101419\
 Data File : BP000705.D
 Acq On : 14 Oct 2019 13:04
 Operator : JU
 Sample : K5348-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 02:41:28 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	212995	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	767524	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	412620	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	767880	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	666305	20.00	ng	-0.01
87) Perylene-d12	15.45	264	768536	20.00	ng	0.00

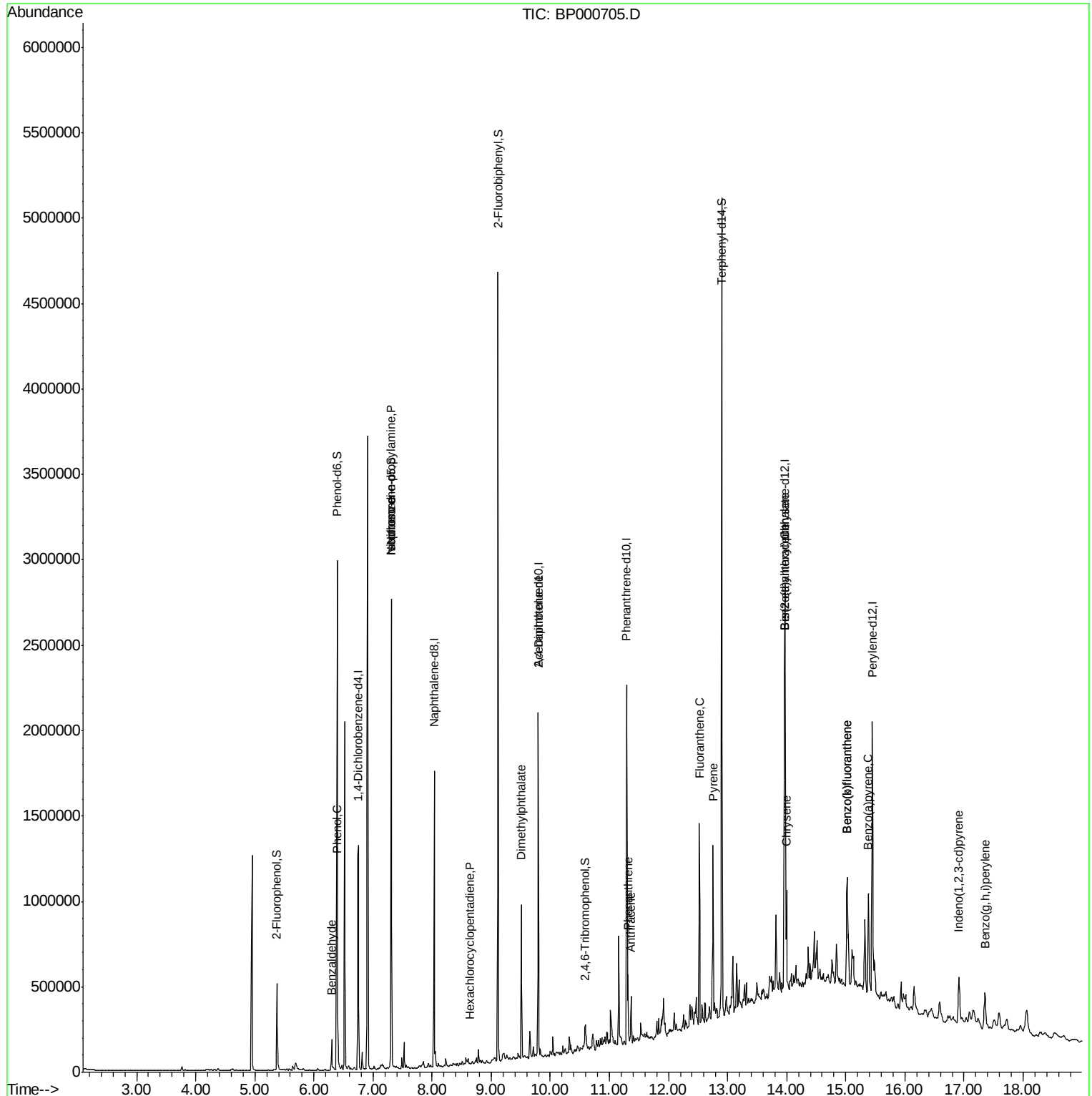
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	173198	13.07	ng	-0.02
7) Phenol-d6	6.39	99	1236097	77.41	ng	-0.02
23) Nitrobenzene-d5	7.31	82	819854	65.24	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	14378	3.27	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1376724	53.99	ng	-0.02
79) Terphenyl-d14	12.90	244	1632984	49.62	ng	-0.01

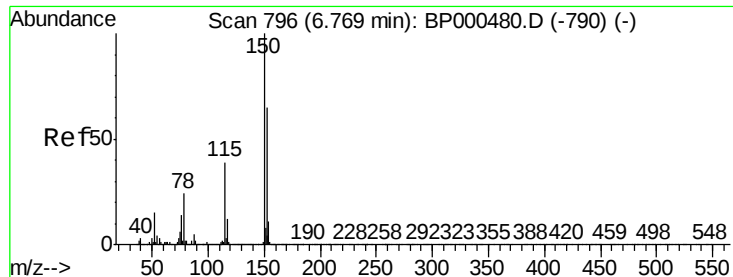
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	39729	4.777	ng	96
10) Phenol	6.40	94	72140	4.413	ng	90
19) n-Nitroso-di-n-propylamine	7.31	70	104532	14.203	ng	# 73
25) Isophorone	7.31	82	818012	36.676	ng	# 61
41) Hexachlorocyclopentadiene	8.63	237	13	7.299	ng	75
50) Dimethylphthalate	9.51	163	319499	11.144	ng	99
57) 2,4-Dinitrotoluene	9.80	165	55078	6.644	ng	# 32
71) Phenanthrene	11.32	178	119319	3.094	ng	98
72) Anthracene	11.37	178	83140	2.174	ng	98
75) Fluoranthene	12.52	202	417286	9.634	ng	99
78) Pyrene	12.75	202	419273	9.124	ng	99
81) Benzo(a)anthracene	13.96	228	261925	6.443	ng	# 86
83) Chrysene	14.00	228	261229	6.547	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	127769	5.073	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.92	276	171983	3.450	ng	96
88) Benzo(b)fluoranthene	15.02	252	465963	10.687	ng	97
89) Benzo(k)fluoranthene	15.02	252	465963	11.225	ng	# 97
90) Benzo(a)pyrene	15.39	252	283681	6.980	ng	97
92) Benzo(a,h,i)perylene	17.36	276	182575	4.558	ng	97

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

```
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Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
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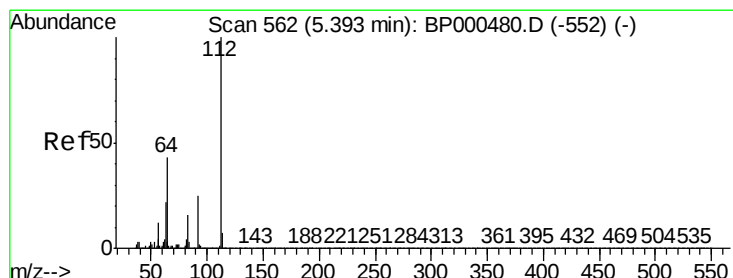
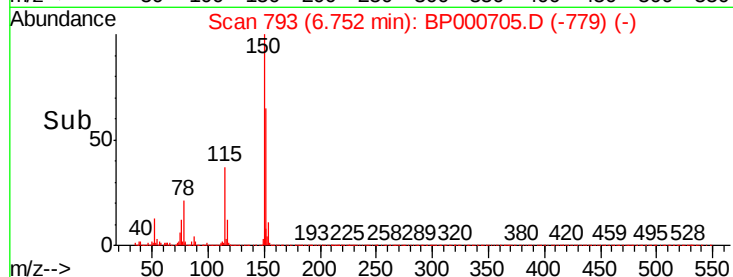
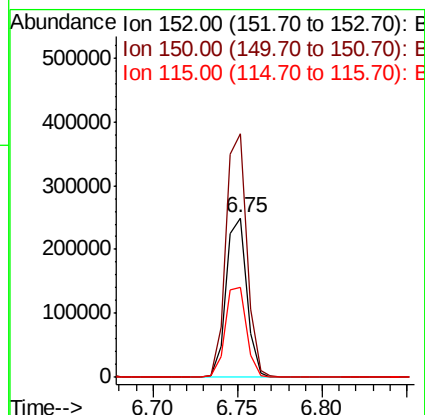
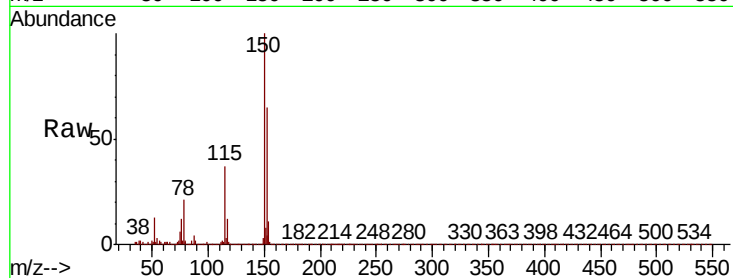


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Instrument :
BNA_P
ClientSampleId :

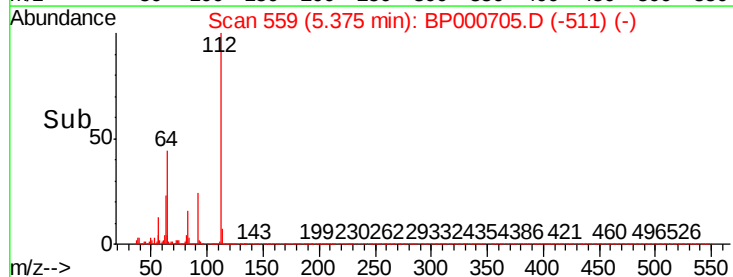
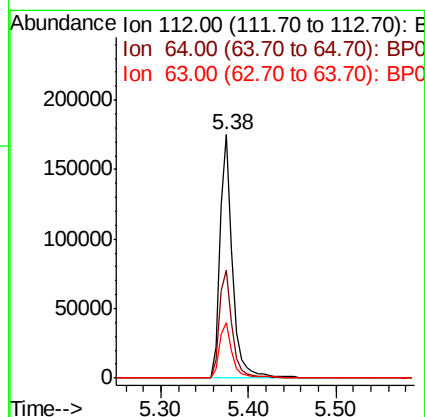
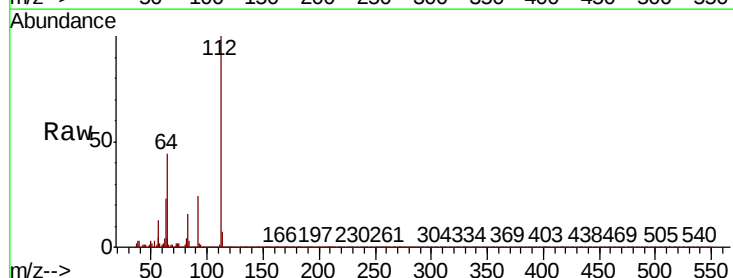
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.1	186.1
115	56.2	48.7	73.1

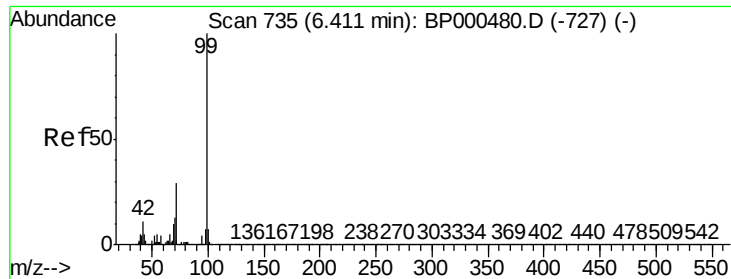


#5

2-Fluorophenol
Concen: 13.071 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.4	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 77.413 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

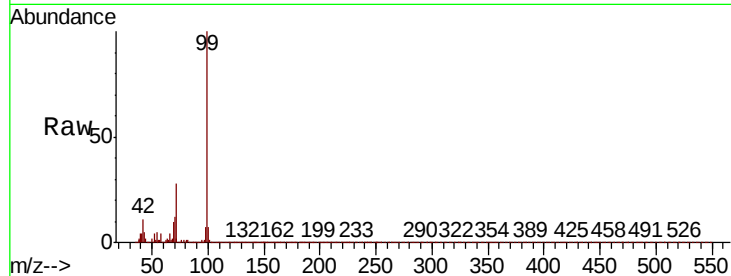
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1236097

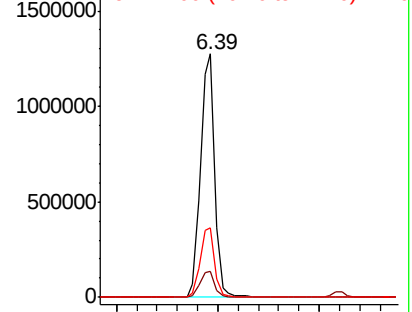
Ion	Ratio	Lower	Upper
99	100		
42	10.5	8.6	12.8
71	28.5	23.0	34.4



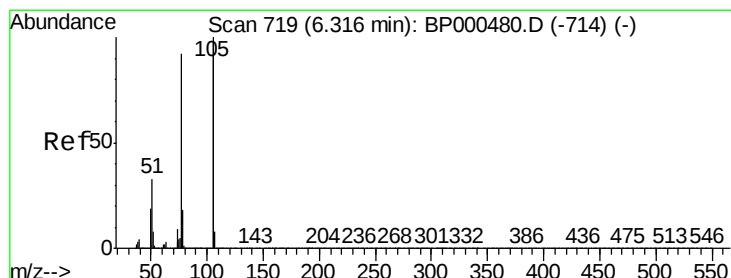
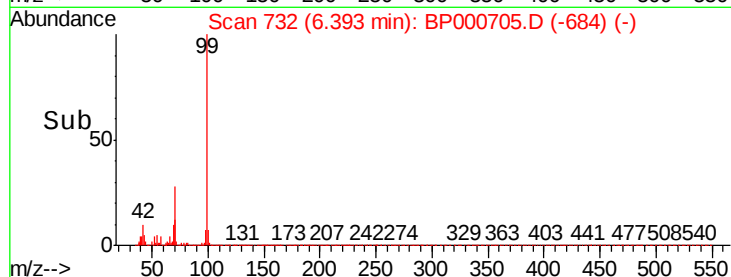
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#9

Benzaldehyde

Concen: 4.777 ng

RT: 6.30 min Scan# 716

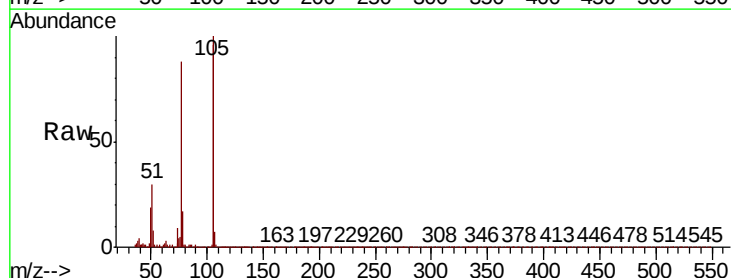
Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Tgt Ion: 77 Resp: 39729

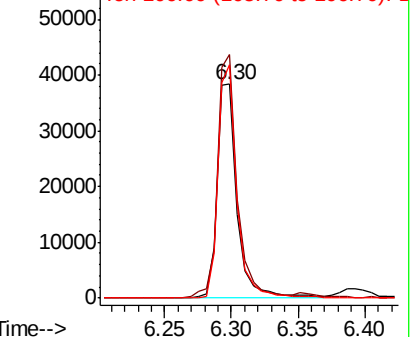
Ion	Ratio	Lower	Upper
77	100		
105	114.0	88.3	128.3
106	109.1	85.7	125.7



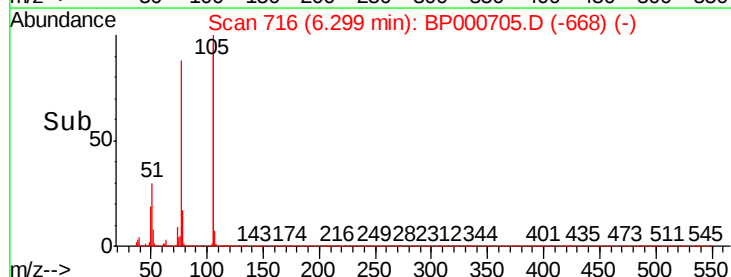
Abundance Ion 77.00 (76.70 to 77.70): BP0

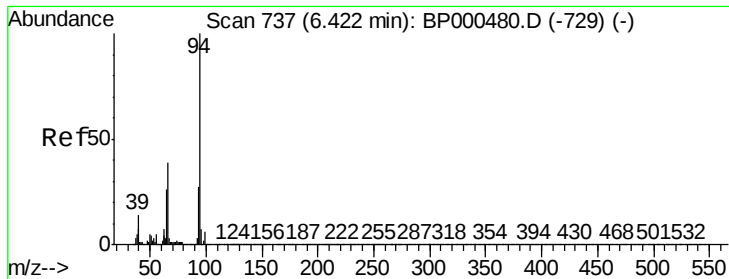
Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time-->





#10

Phenol

Concen: 4.413 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

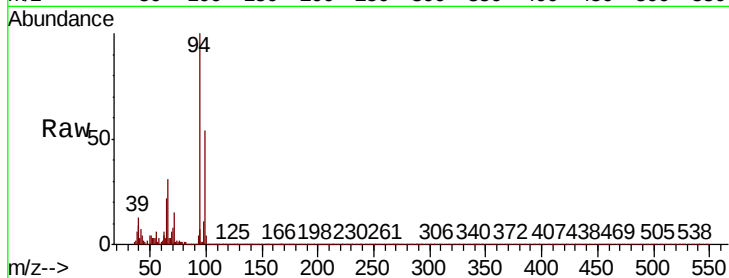
Tot Ion: 94 Resp: 72140

Ion Ratio Lower Upper

94 100

65 22.3 5.9 45.9

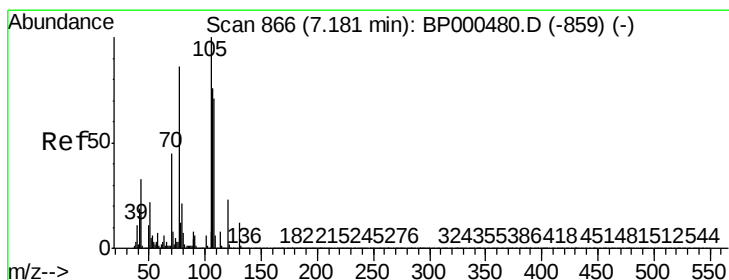
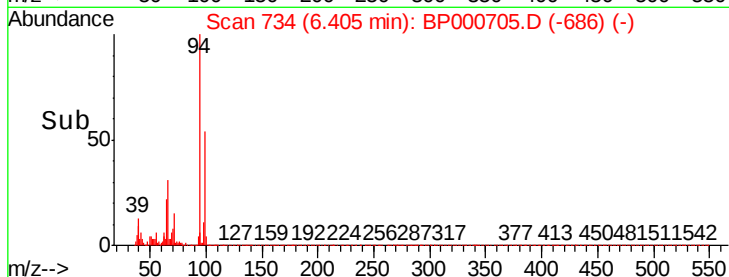
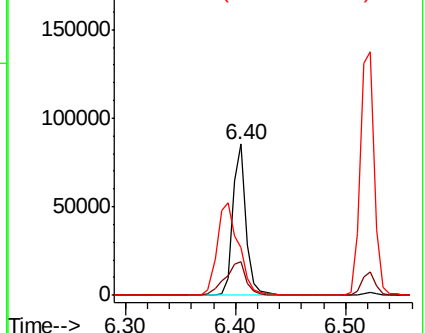
66 31.4 18.8 58.8



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: 14.203 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Tgt Ion: 70 Resp: 104532

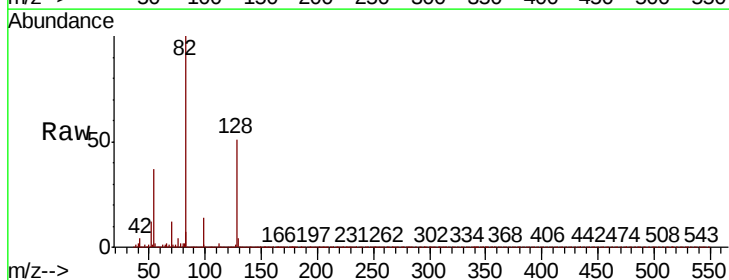
Ion Ratio Lower Upper

70 100

42 34.1 33.2 49.8

101 0.1 9.9 14.9#

130 2.7 21.8 32.8#

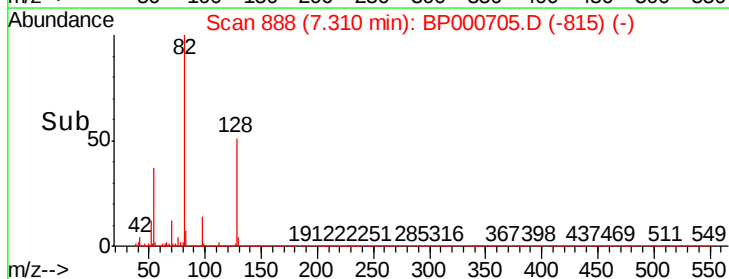
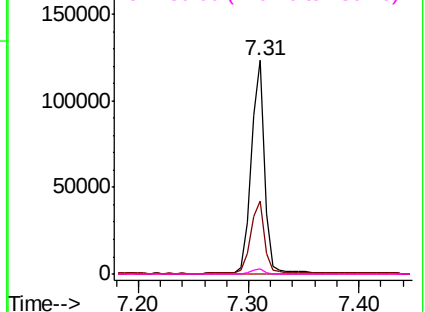


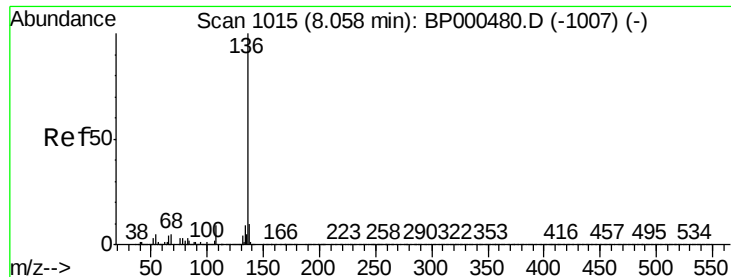
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

Tot Ion:136 Resp: 767524

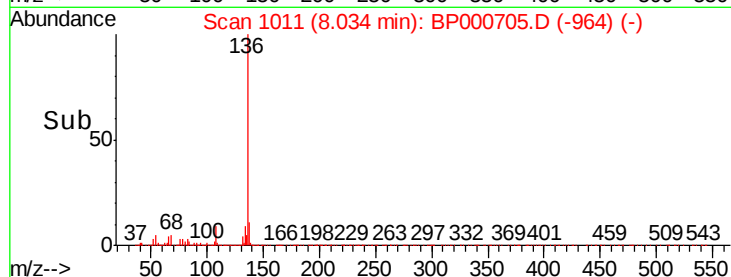
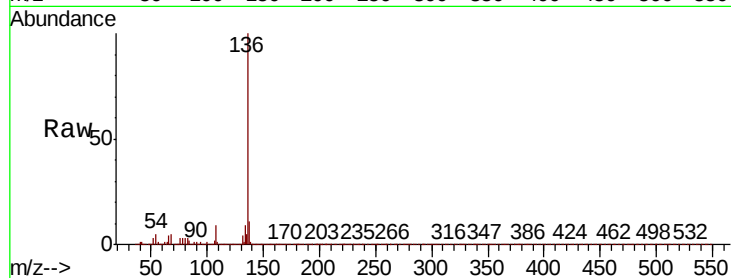
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 5.2 4.1 6.1

68 5.2 4.1 6.1

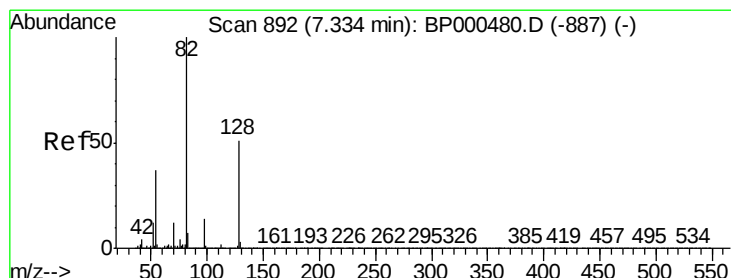
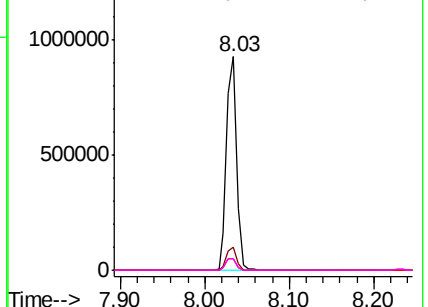


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.239 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

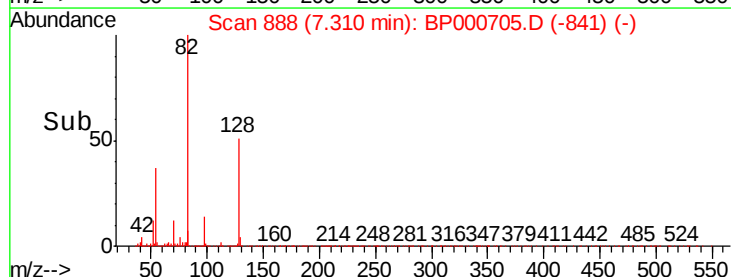
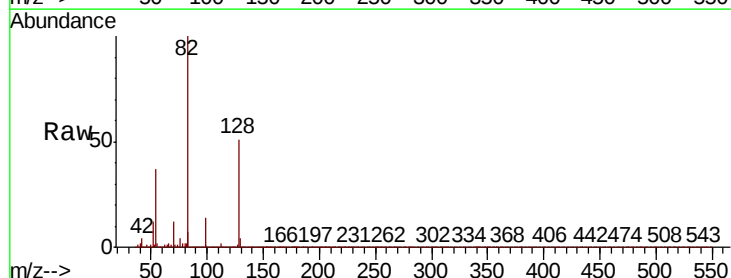
Tgt Ion: 82 Resp: 819854

Ion Ratio Lower Upper

82 100

128 51.2 40.9 61.3

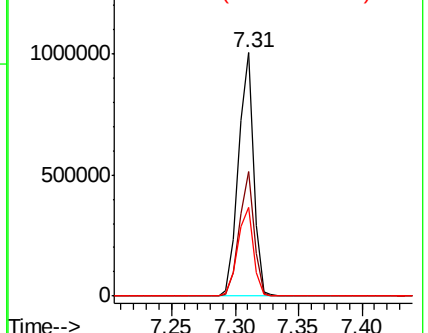
54 36.7 29.4 44.2

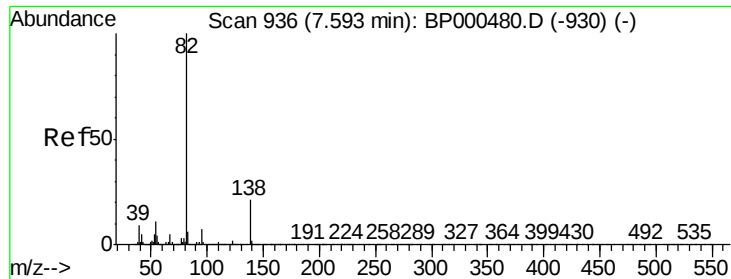


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 36.676 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

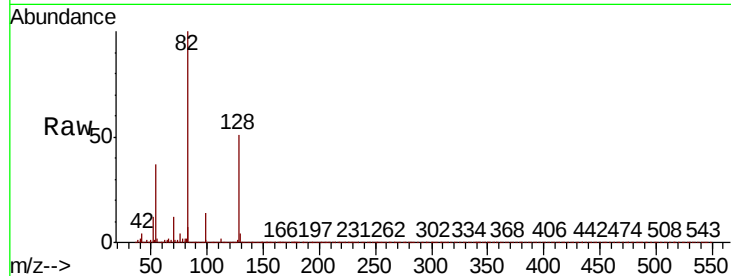
Tot Ion: 82 Resp: 818012

Ion Ratio Lower Upper

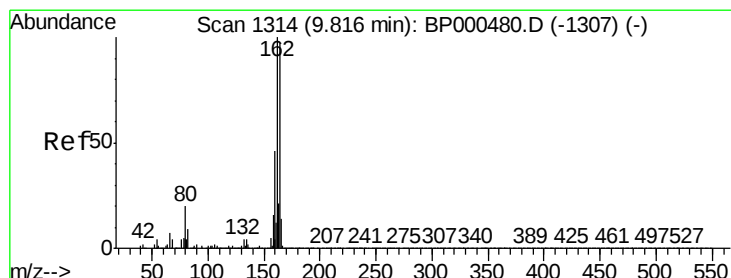
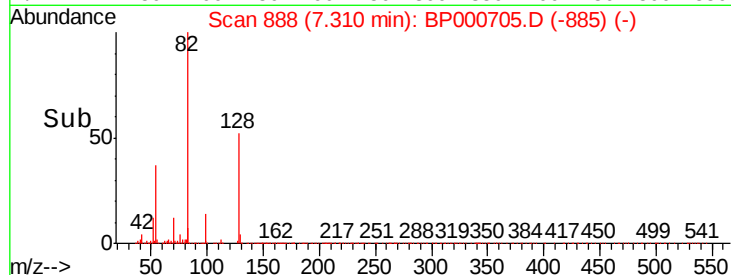
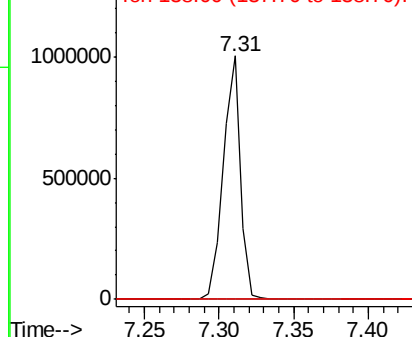
82 100

95 0.1 5.8 8.6#

138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 95.00 (94.70 to 95.70): BP0
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

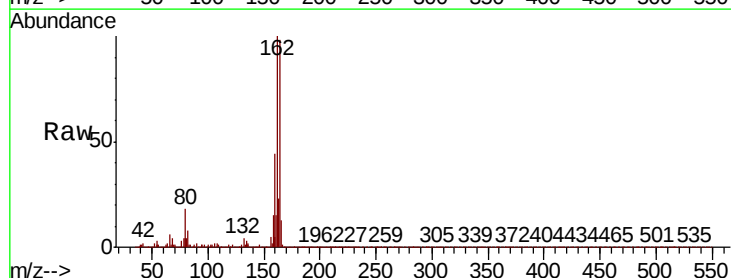
Tgt Ion:164 Resp: 412620

Ion Ratio Lower Upper

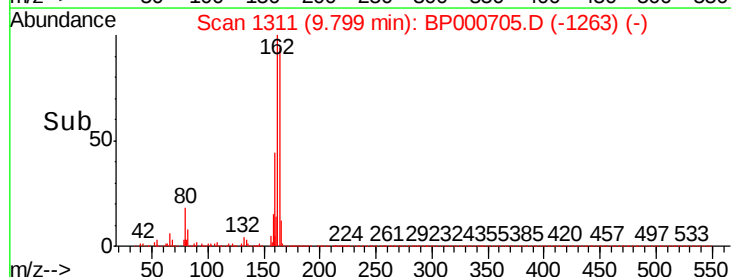
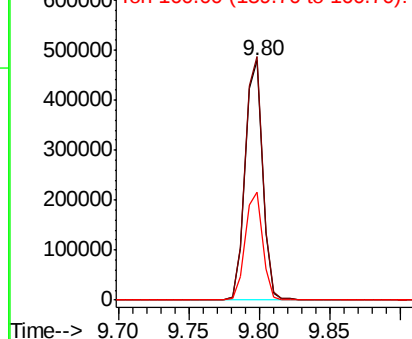
164 100

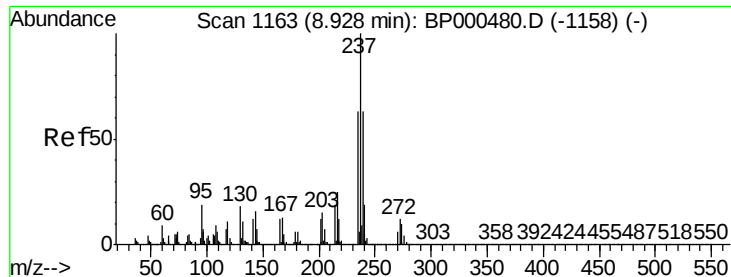
162 101.7 82.2 123.2

160 45.3 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: 7.299 ng

RT: 8.63 min Scan# 1113

Delta R.T. -0.29 min

Lab File: BP000705.D

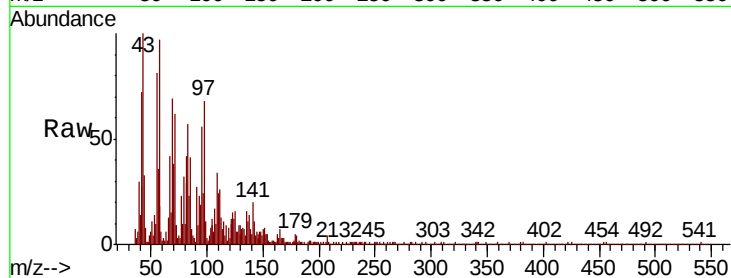
Acq: 14 Oct 2019 13:04

Instrument :

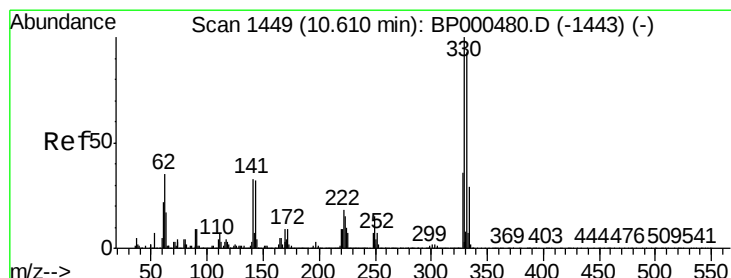
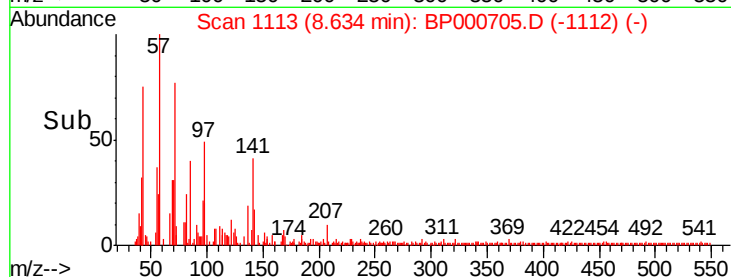
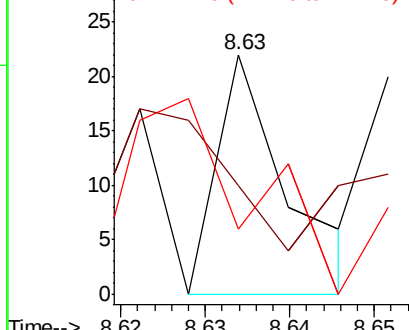
BNA_P

ClientSampled :

Tot Ion:	237	Resp:	13
Ion	Ratio	Lower	Upper
237	100		
235	45.5	42.9	82.9
272	27.3	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: 3.270 ng

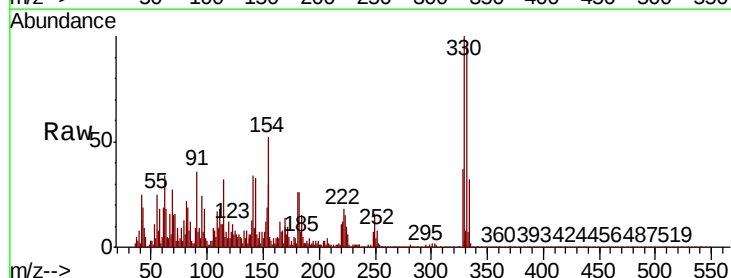
RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

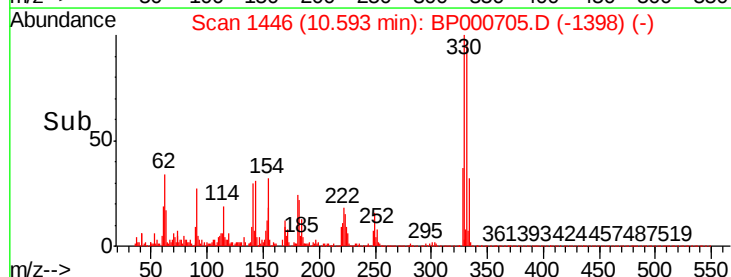
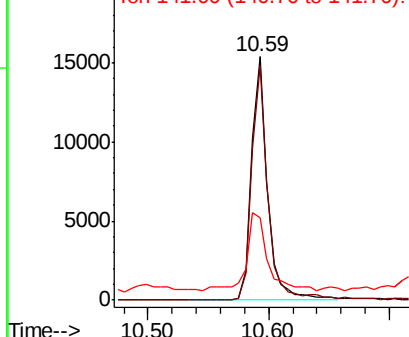
Lab File: BP000705.D

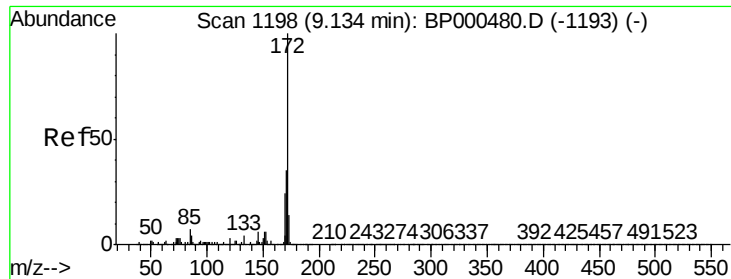
Acq: 14 Oct 2019 13:04

Tgt Ion:	330	Resp:	14378
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	42.8	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: 53.985 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

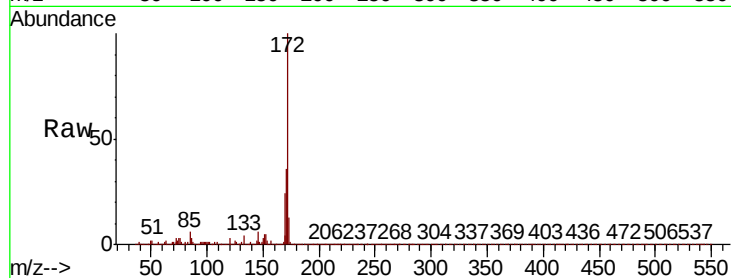
Instrument :

BNA_P

ClientSampleId :

Tot Ion:172 Resp: 1376724

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.8	19.1	28.7

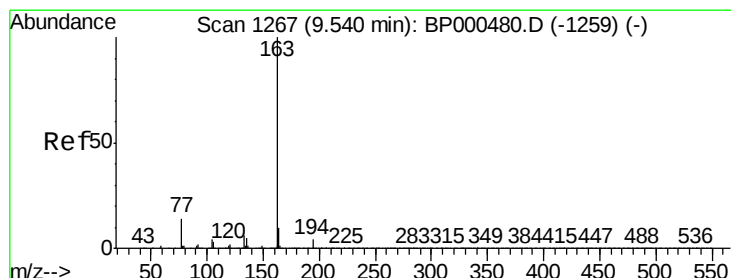
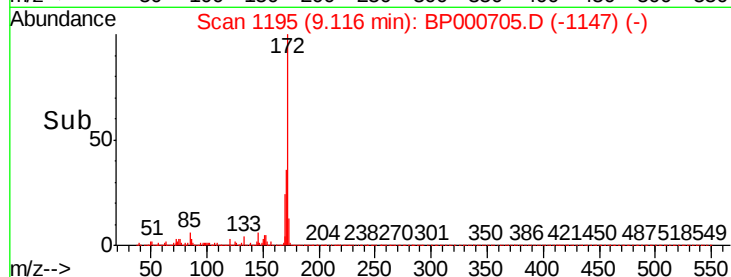
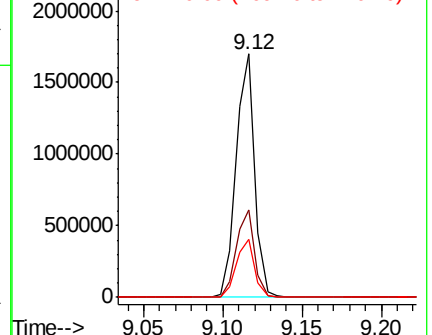


Abundance

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: 11.144 ng

RT: 9.51 min Scan# 1262

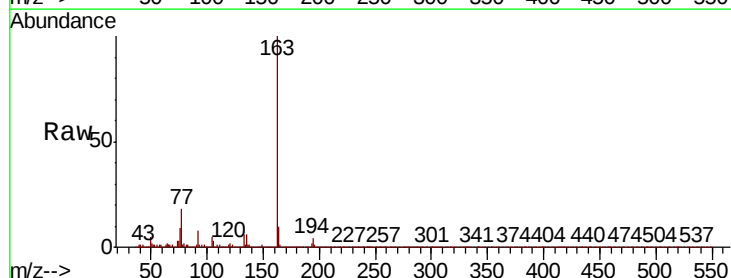
Delta R.T. -0.03 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Tgt Ion:163 Resp: 319499

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.3	8.0	12.0

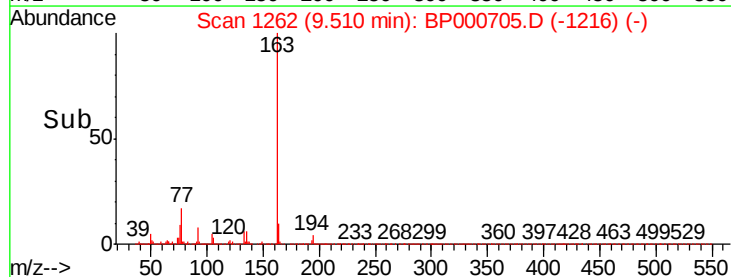
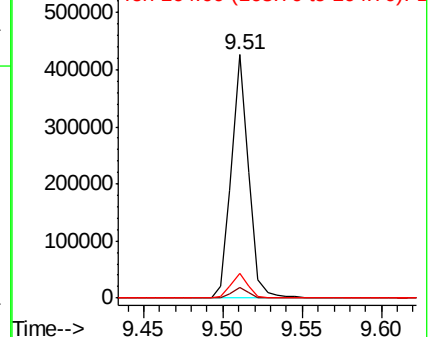


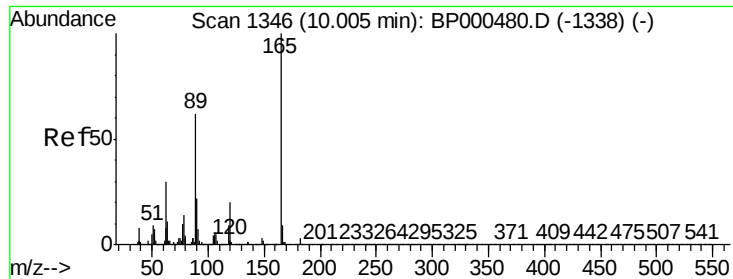
Abundance

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

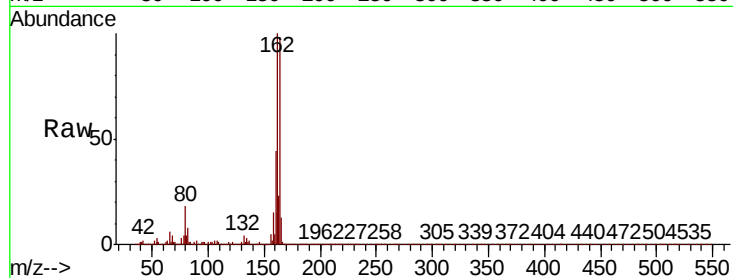




#57
2,4-Dinitrotoluene
Concen: 6.644 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	24.2	36.4#
89	1.5	49.4	74.0#
182	0.4	2.5	3.7#

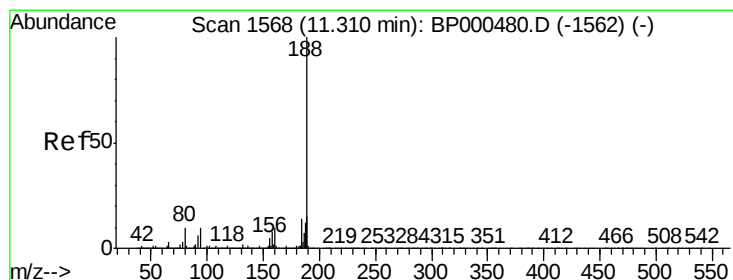
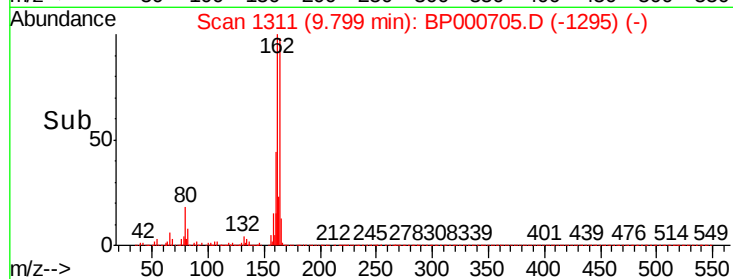
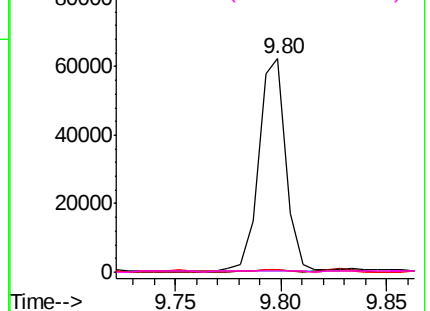


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

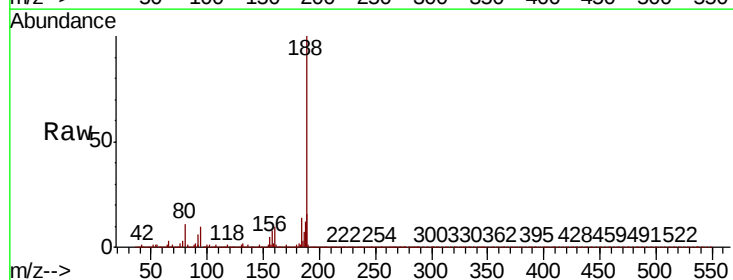
Ion 89.00 (88.70 to 89.70): BP0

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: BP000705.D
Acq: 14 Oct 2019 13:04

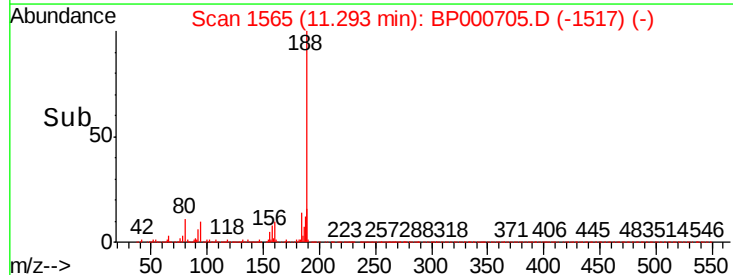
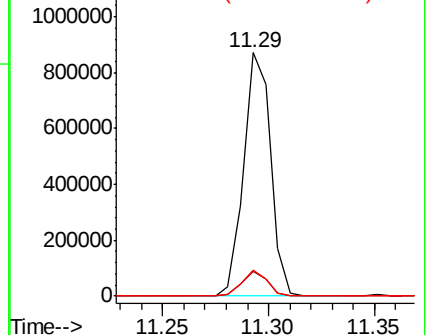
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	10.7	8.3	12.5

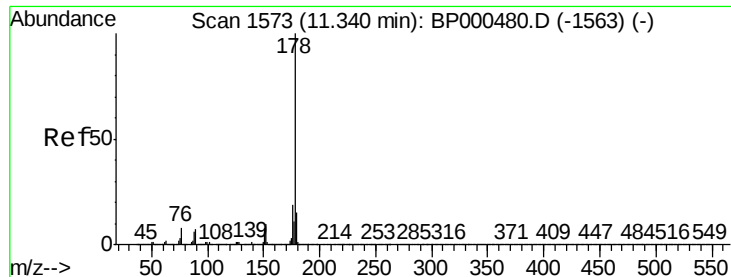


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 3.094 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

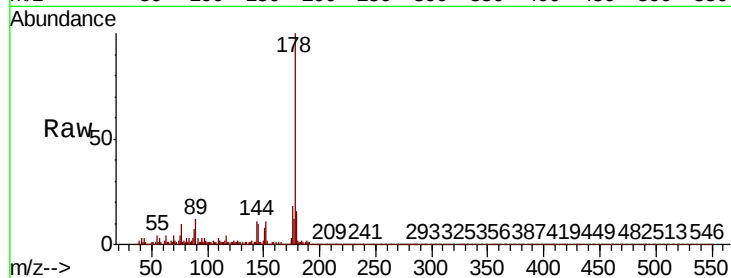
Tot Ion:178 Resp: 119319

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

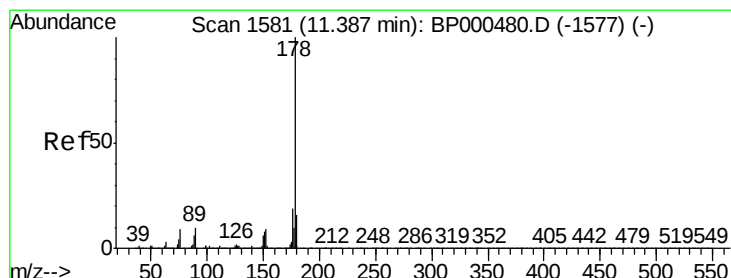
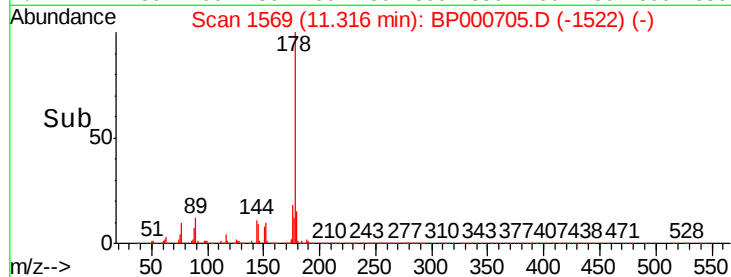
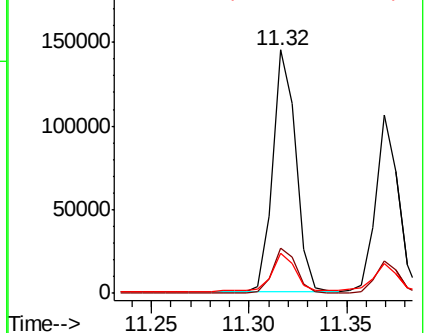
179 16.4 12.2 18.4



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: 2.174 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

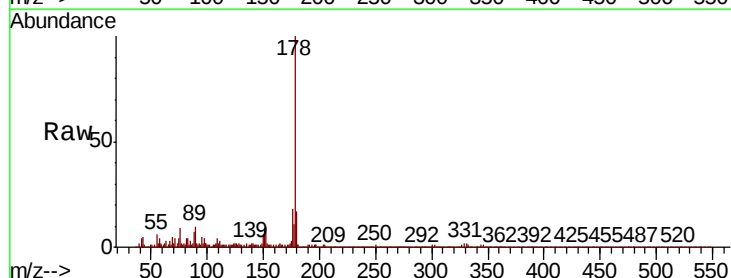
Tgt Ion:178 Resp: 83140

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

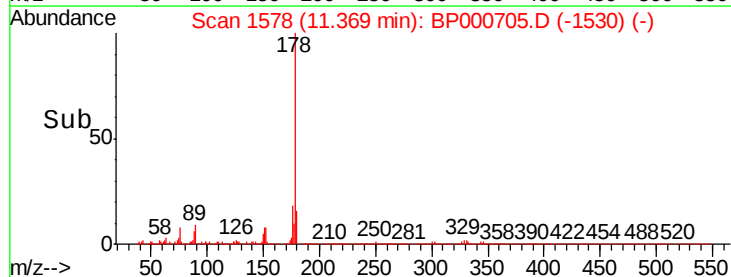
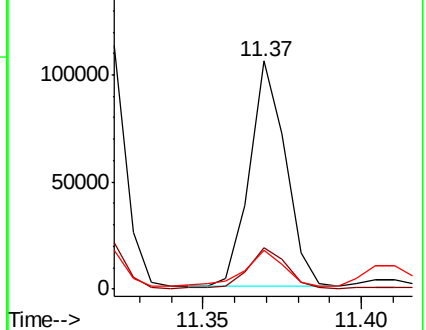
179 16.8 12.6 19.0

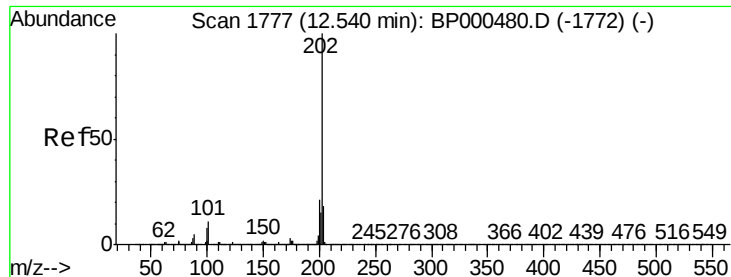


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.634 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000705.D

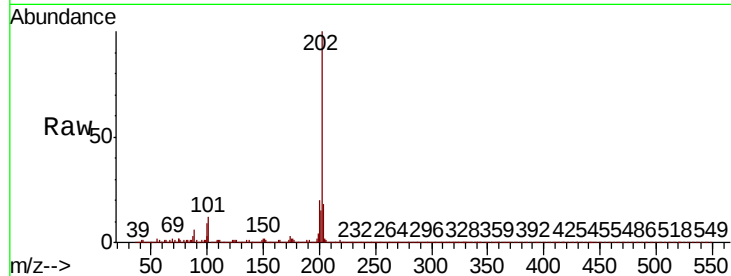
Acq: 14 Oct 2019 13:04

Instrument :

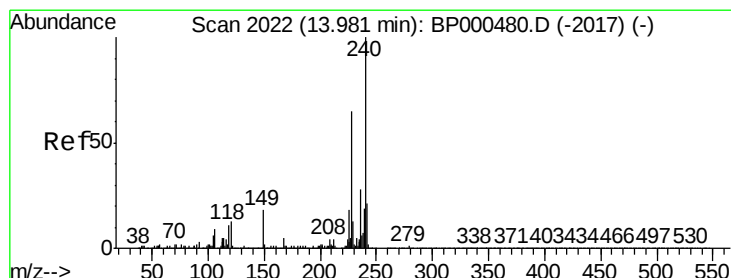
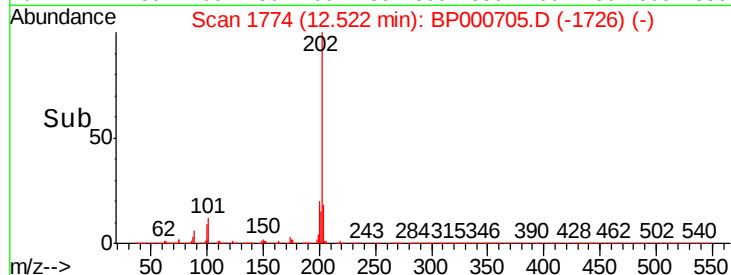
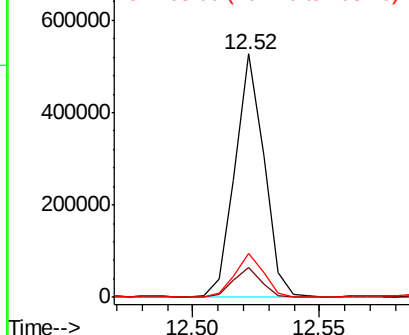
BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	417286
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.3
203	17.8	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

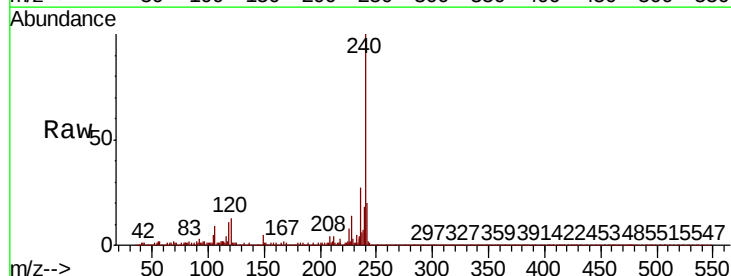
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

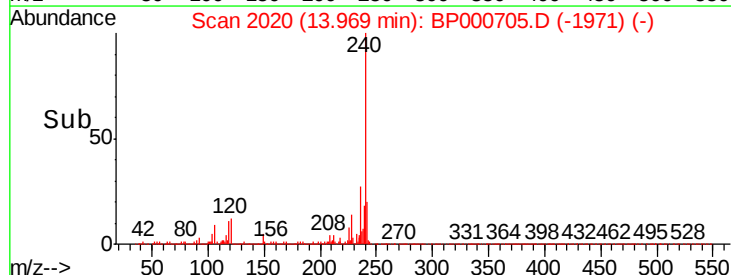
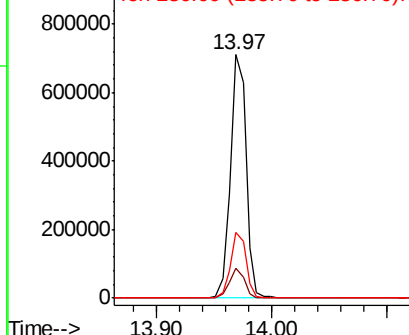
Lab File: BP000705.D

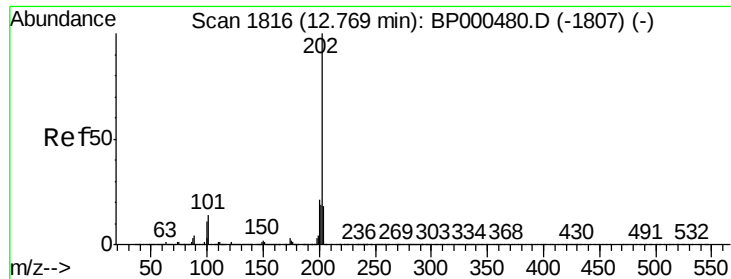
Acq: 14 Oct 2019 13:04

Tgt Ion:	240	Resp:	666305
Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.1	15.1
236	26.7	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

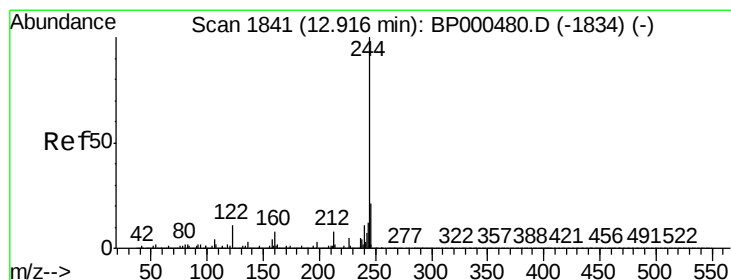
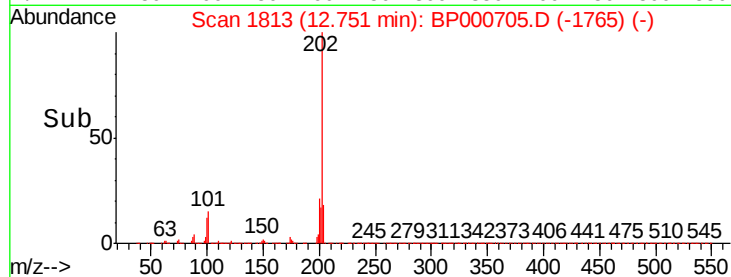
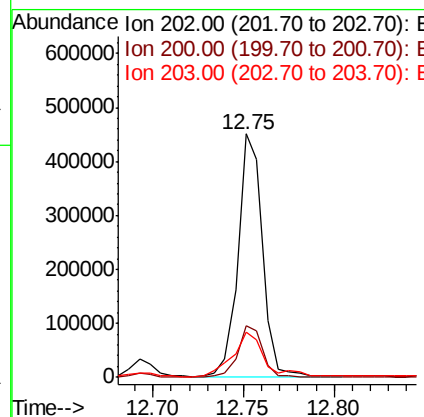
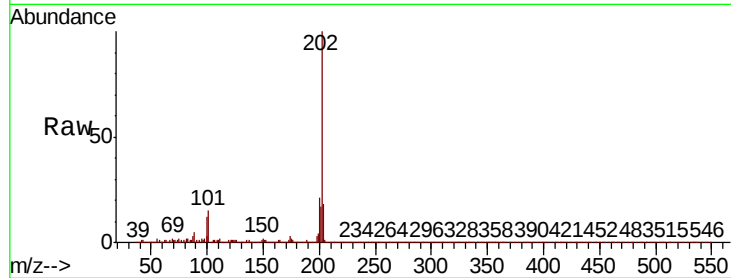




#78
Pvrene
Concen: 9.124 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

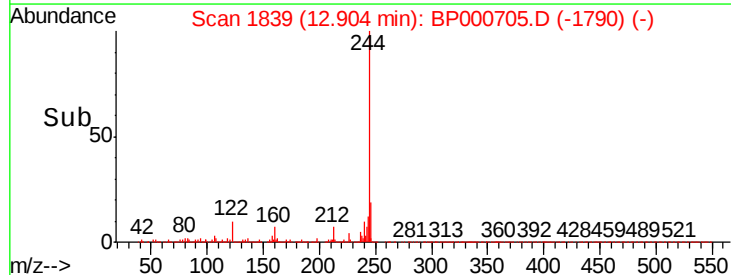
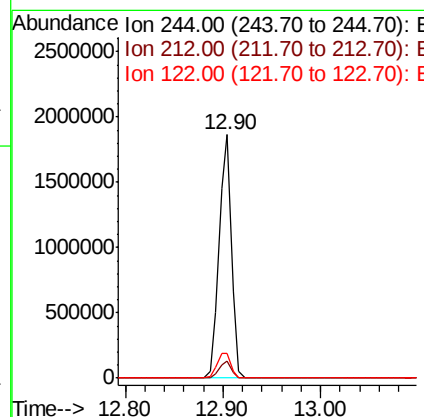
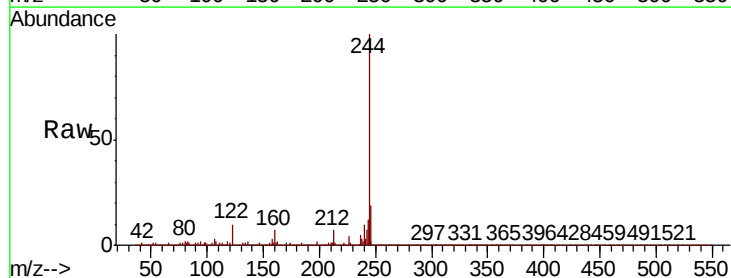
Instrument :
BNA_P
ClientSampleId :

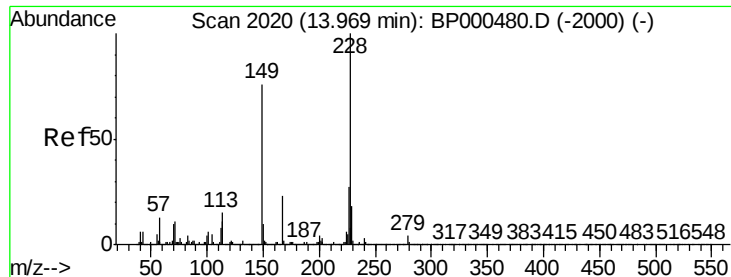
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.4	14.6	21.8



#79
Terphenyl-d14
Concen: 49.622 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.0	8.9	13.3

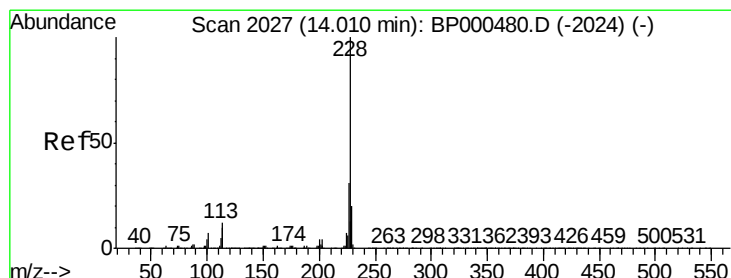
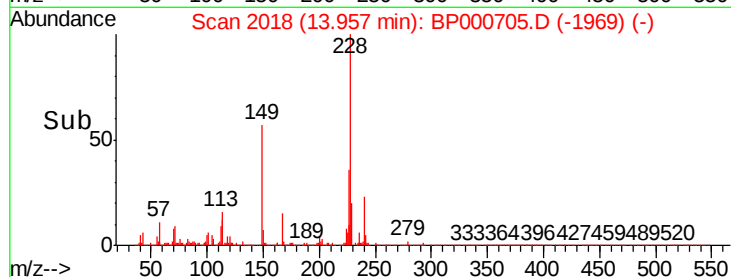
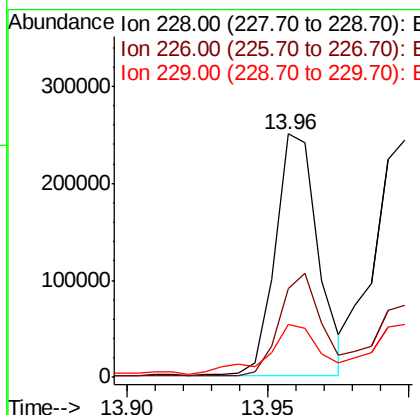
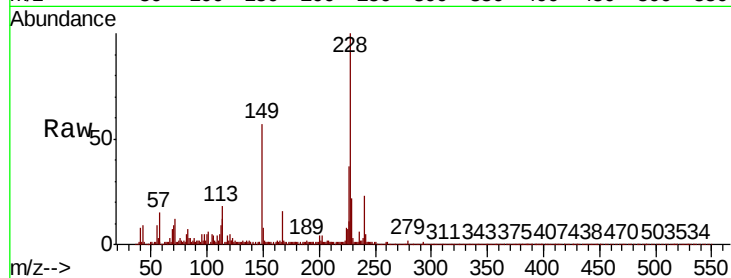




#81
Benzo(a)anthracene
Concen: 6.443 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

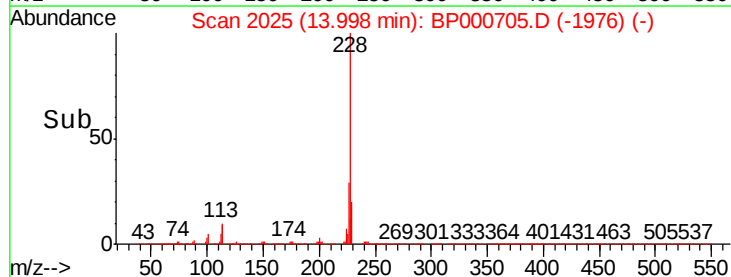
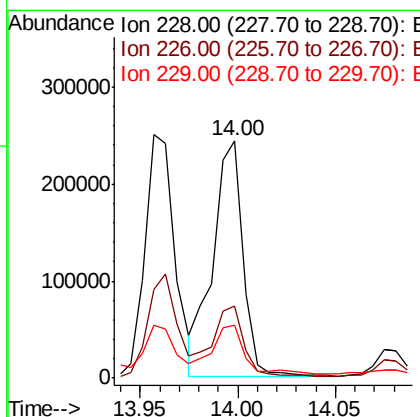
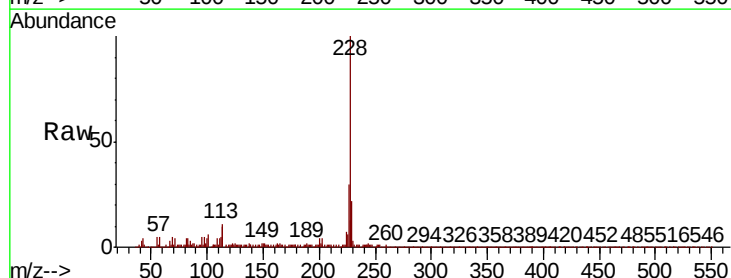
Instrument :
BNA_P
ClientSampleId :

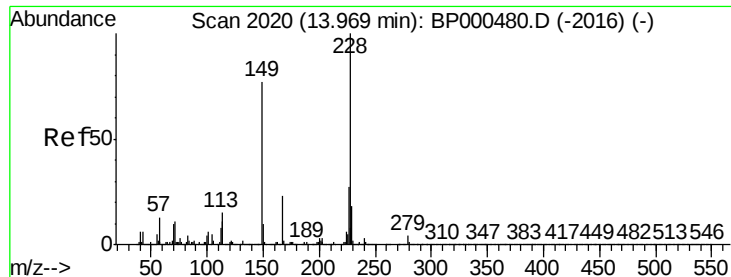
Tot Ion:228 Resp: 261925
Ion Ratio Lower Upper
228 100
226 36.5 21.4 32.2#
229 21.6 14.7 22.1



#83
Chrysene
Concen: 6.547 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion:228 Resp: 261229
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 22.1 16.3 24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.073 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

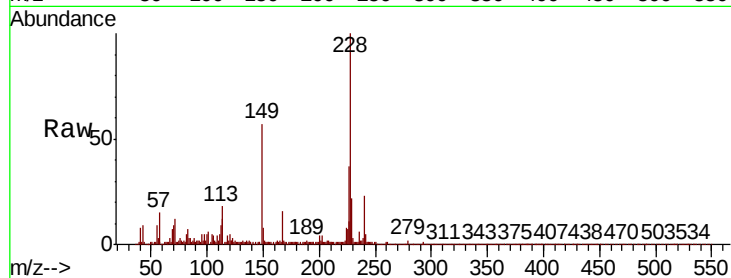
Tot Ion:149 Resp: 127769

Ion Ratio Lower Upper

149 100

167 27.8 23.6 35.4

279 3.9 3.9 5.9#

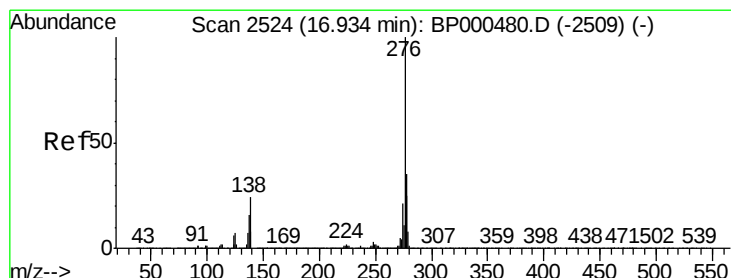
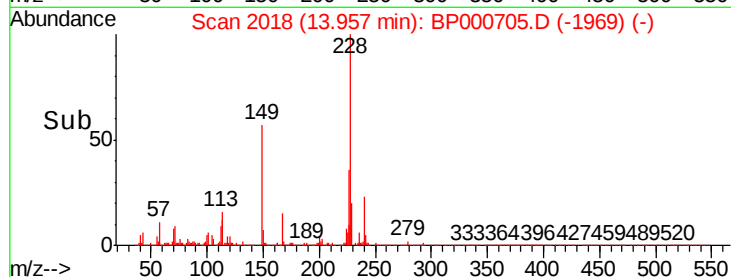
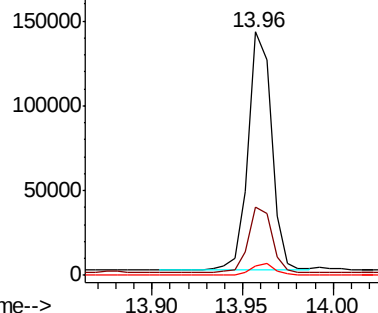


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.450 ng

RT: 16.92 min Scan# 2521

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

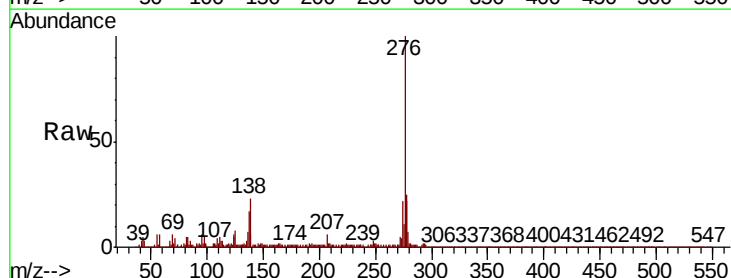
Tgt Ion:276 Resp: 171983

Ion Ratio Lower Upper

276 100

138 22.6 20.9 31.3

277 25.2 20.6 30.8

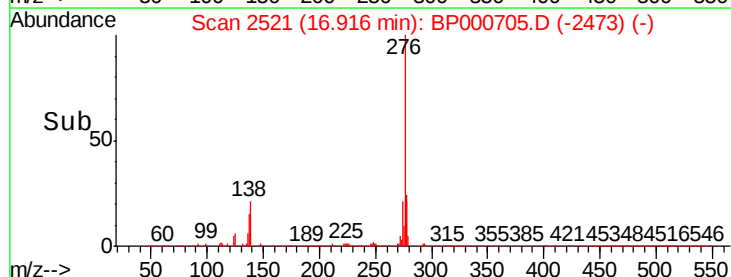
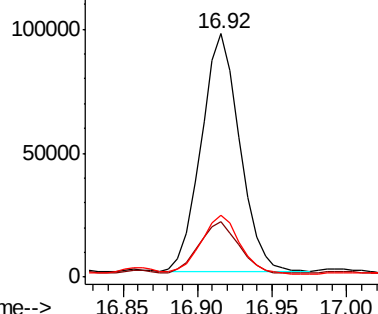


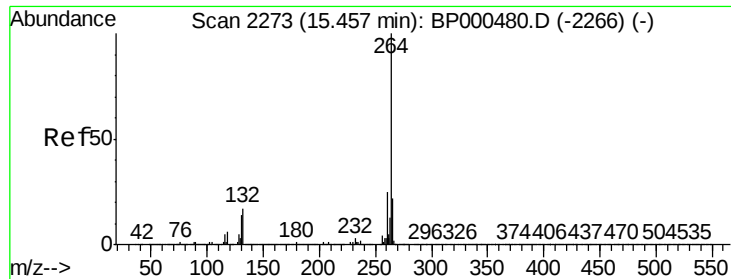
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BP000705.D

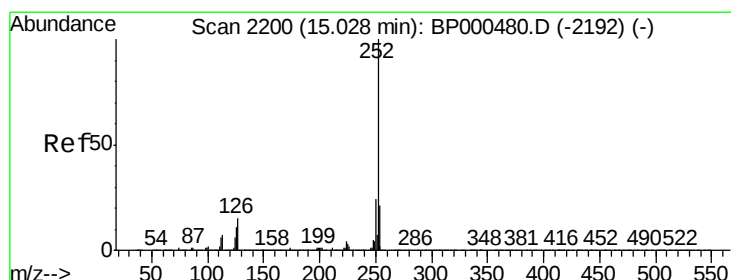
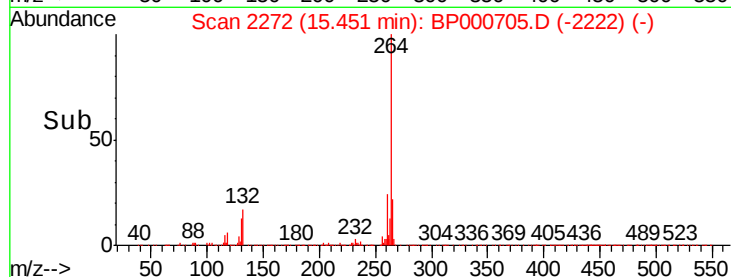
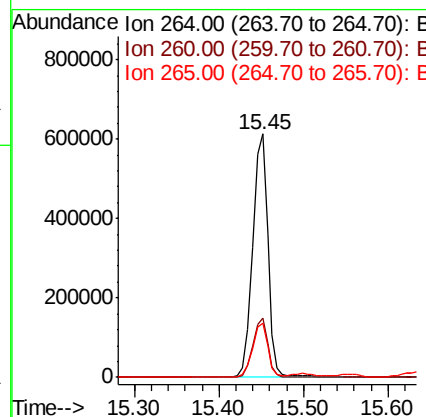
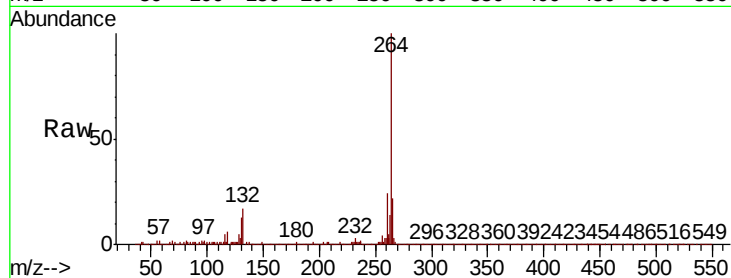
Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	264	Resp:	768536
Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.3	30.5
265	22.1	18.0	27.0



#88

Benzo(b)fluoranthene

Concen: 10.687 ng

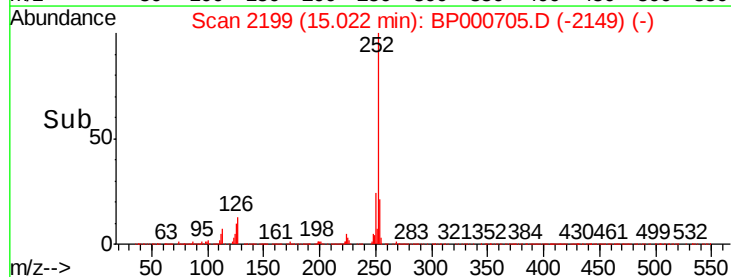
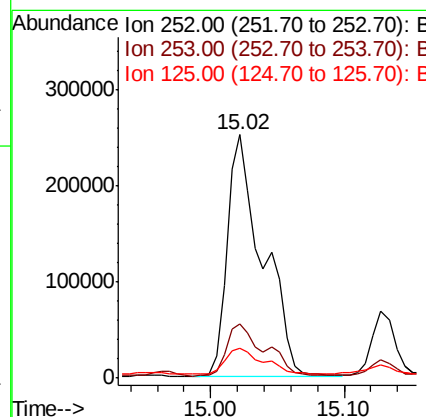
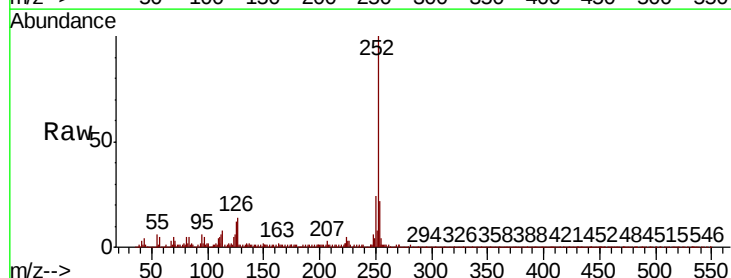
RT: 15.02 min Scan# 2199

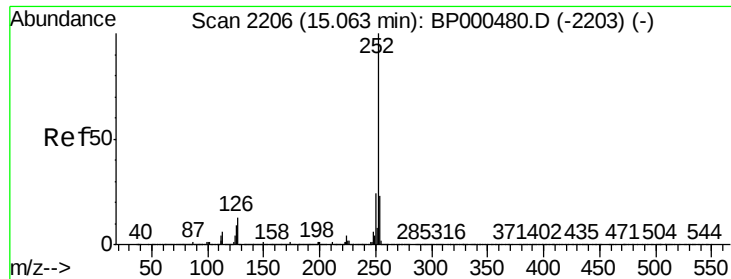
Delta R.T. -0.01 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Tgt Ion:	252	Resp:	465963
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	12.3	8.9	13.3

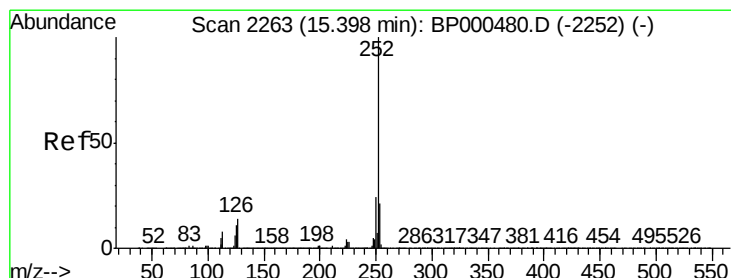
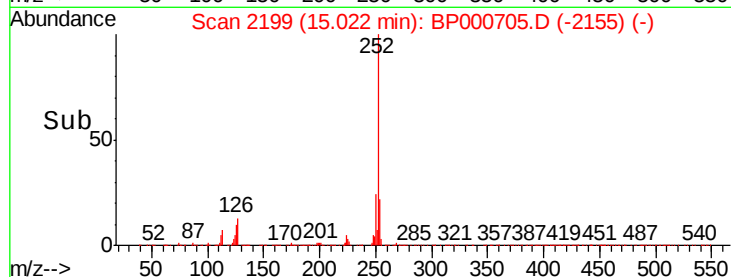
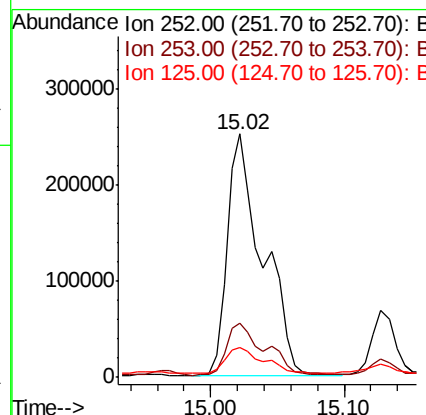
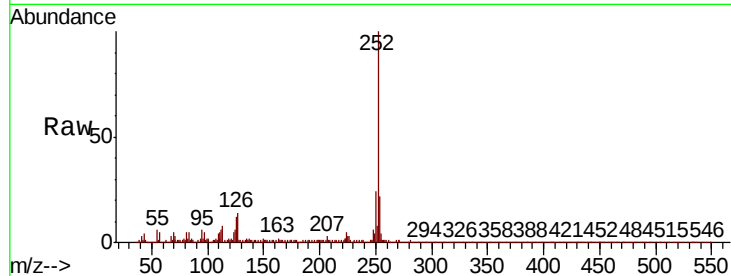




#89
Benzo(k)fluoranthene
Concen: 11.225 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

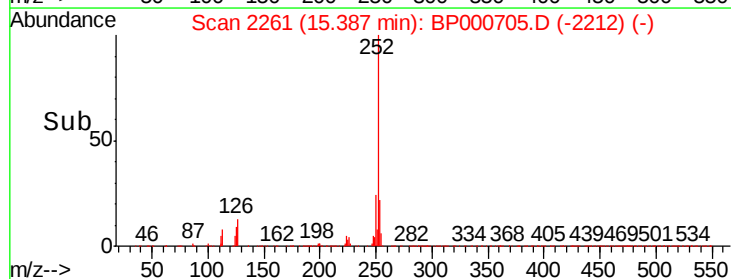
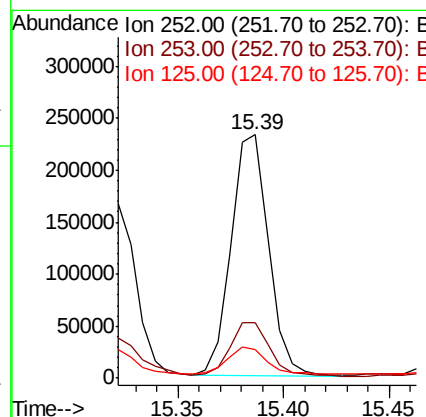
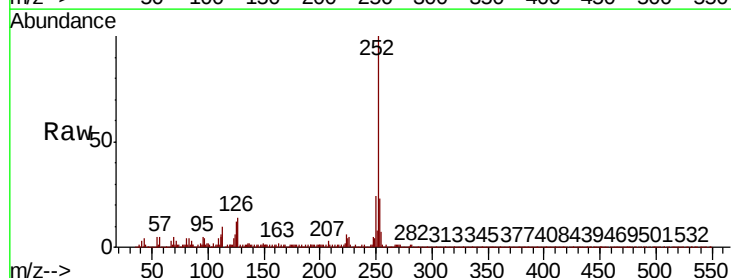
Instrument :
BNA_P
ClientSampleId :

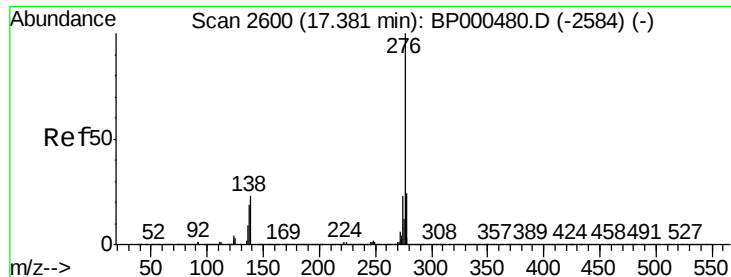
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	12.3	7.8	11.8



#90
Benzo(a)pyrene
Concen: 6.980 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000705.D
Acq: 14 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.8	8.4	12.6





#92

Benzo(a,h,i)perylene

Concen: 4.558 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.02 min

Lab File: BP000705.D

Acq: 14 Oct 2019 13:04

Instrument :

BNA_P

ClientSampleId :

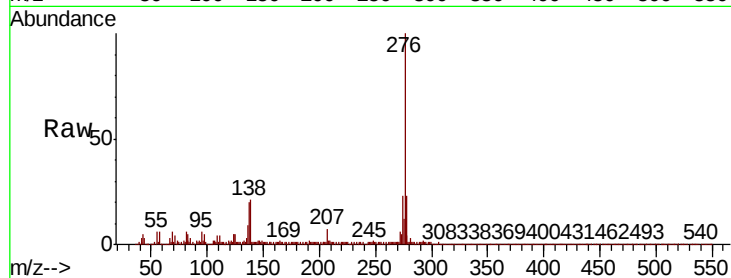
Tot Ion: 276 Resp: 182575

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.2

138 21.4 18.5 27.7



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

