

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000257.D
 Acq On : 16 Sep 2019 23:37
 Operator : HP/JU
 Sample : K4873-04 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-29

Quant Time: Sep 17 06:13:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	347664	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1229334	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	648388	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1126207	20.00	ng	0.00
76) Chrysene-d12	13.99	240	902364	20.00	ng	-0.01
87) Perylene-d12	15.47	264	838402	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1005539	49.93	ng	0.00
7) Phenol-d6	6.42	99	1285353	52.07	ng	0.00
23) Nitrobenzene-d5	7.35	82	667423	35.03	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	332440	51.69	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1554693	43.16	ng	0.00
79) Terphenyl-d14	12.92	244	1636507	38.05	ng	-0.01

Target Compounds

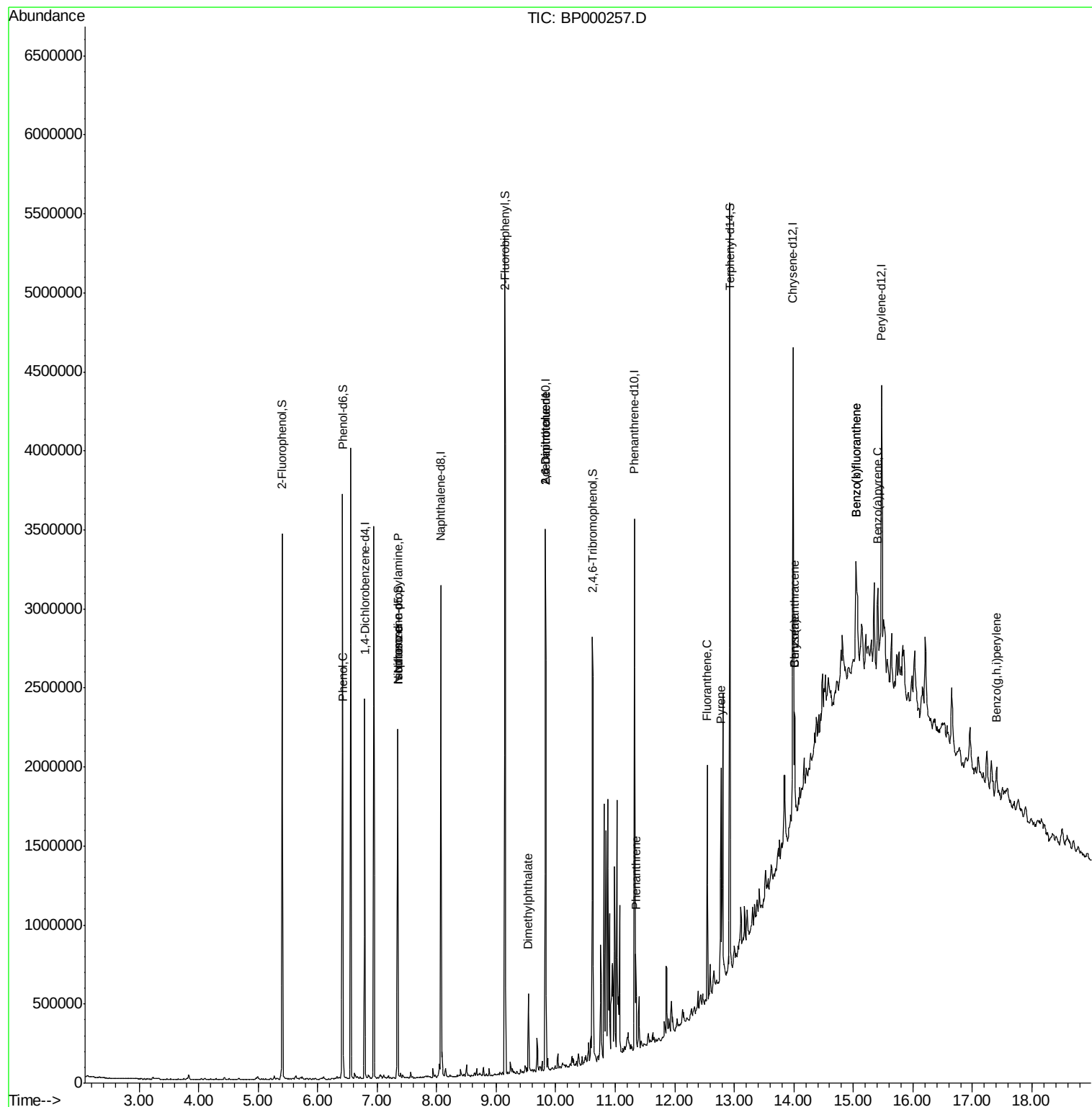
						Qvalue
9) Benzaldehyde	6.33	77	2431	Below Cal	#	86
10) Phenol	6.43	94	62586	2.231 ng		99
19) n-Nitroso-di-n-propylamine	7.35	70	81402	6.237 ng	#	75
25) Isophorone	7.35	82	664848	17.622 ng	#	63
50) Dimethylphthalate	9.54	163	181842	4.116 ng		100
51) 2,6-Dinitrotoluene	9.83	165	84863	8.737 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	84863	6.683 ng	#	35
69) Atrazine	11.02	200	279	Below Cal	#	1
71) Phenanthrene	11.35	178	197813	3.505 ng		98
75) Fluoranthene	12.55	202	519137	8.566 ng		98
78) Pyrene	12.77	202	512541	7.592 ng		98
81) Benzo(a)anthracene	14.02	228	278876	4.893 ng		94
83) Chrysene	14.02	228	278876	4.983 ng		97
88) Benzo(b)fluoranthene	15.04	252	477370	9.544 ng	#	85
89) Benzo(k)fluoranthene	15.04	252	477370	10.942 ng	#	85
90) Benzo(a)pyrene	15.41	252	244961	5.383 ng	#	88
92) Benzo(a,h,i)perylene	17.40	276	140671	3.225 ng		94

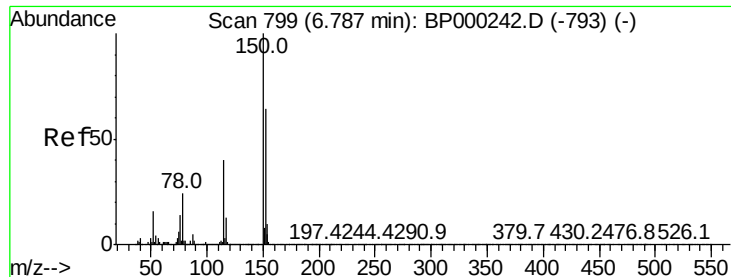
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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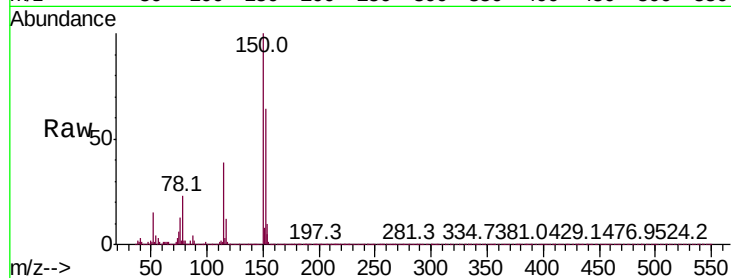


#1

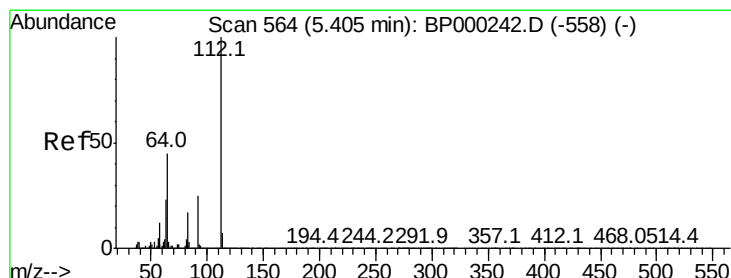
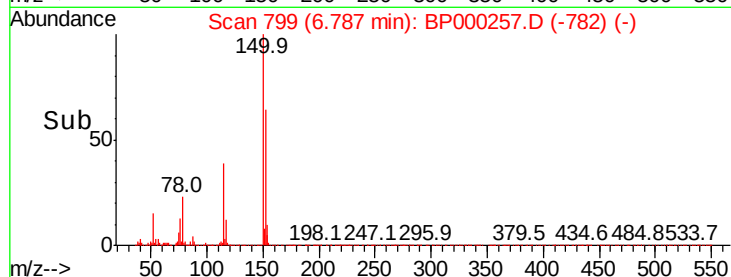
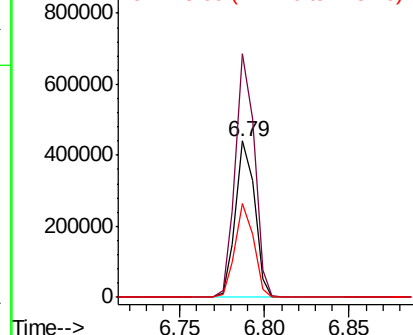
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000257.D
Acq: 16 Sep 2019 23:37

Instrument :
BNA_P
ClientSampleId :
COMP-29

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.2	187.8
115	60.3	49.7	74.5



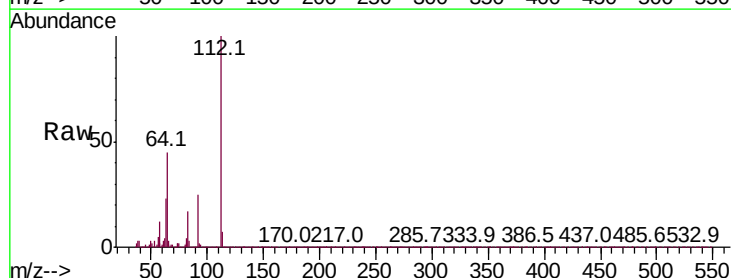
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



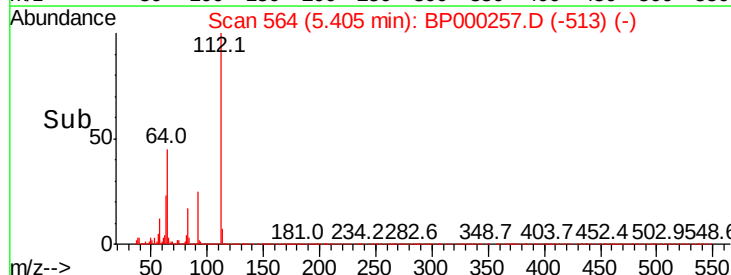
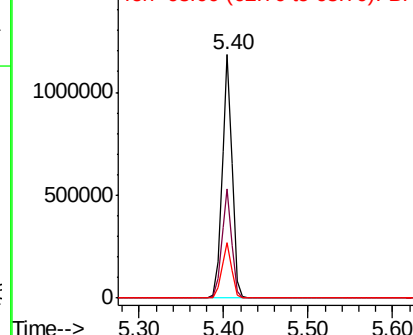
#5

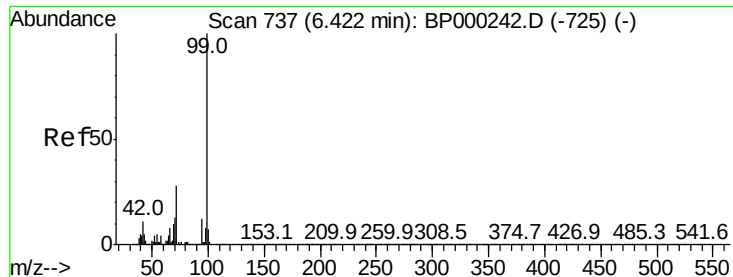
2-Fluorophenol
Concen: 49.931 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000257.D
Acq: 16 Sep 2019 23:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	36.2	54.4
63	22.7	18.3	27.5



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: 52.069 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

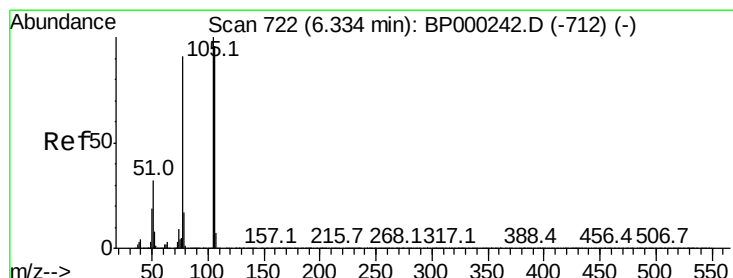
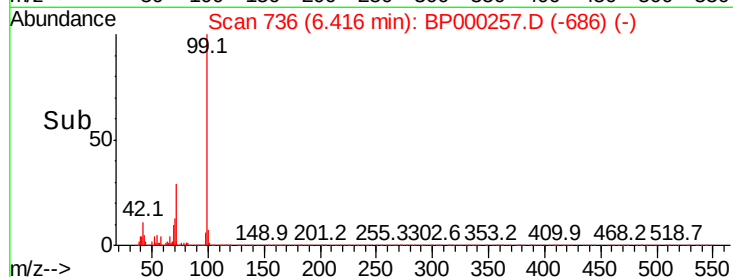
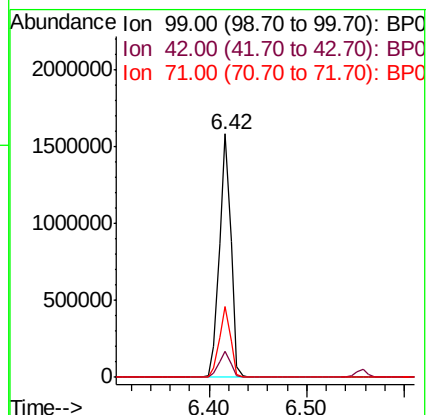
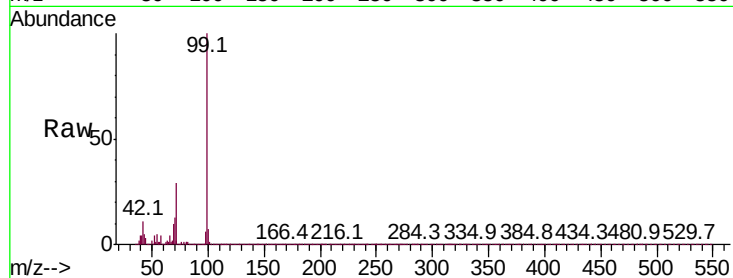
Tot Ion: 99 Resp: 1285353

Ion Ratio Lower Upper

99 100

42 10.8 8.5 12.7

71 29.1 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

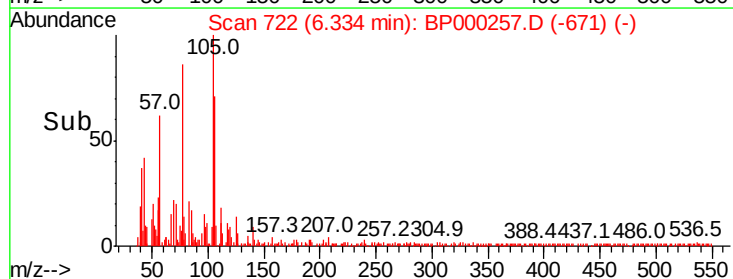
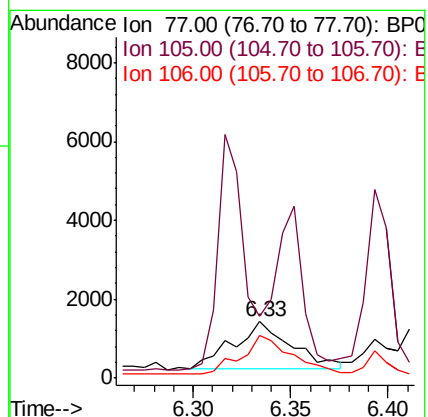
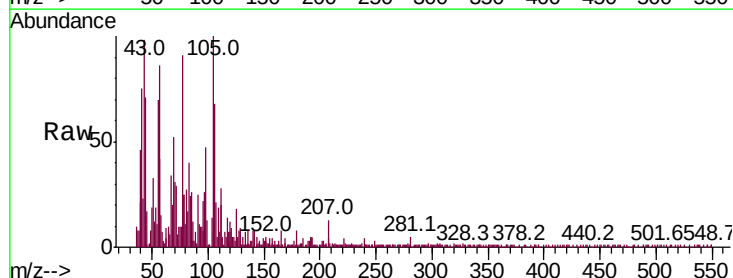
Tgt Ion: 77 Resp: 2431

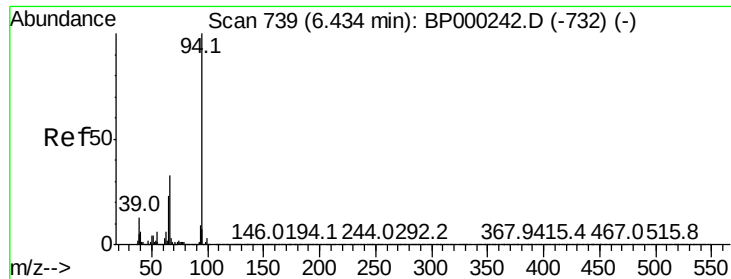
Ion Ratio Lower Upper

77 100

105 109.6 89.6 129.6

106 75.0 84.6 124.6#





#10

Phenol

Concen: 2.231 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

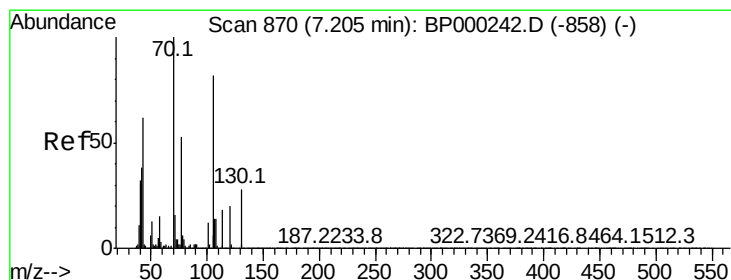
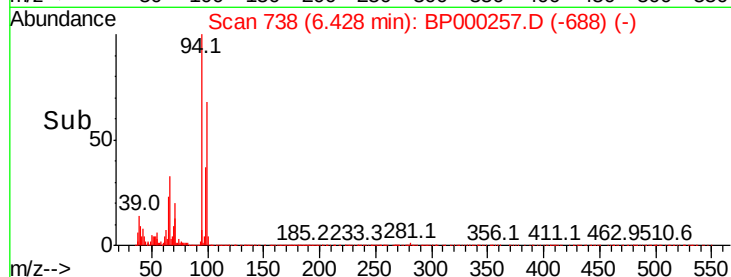
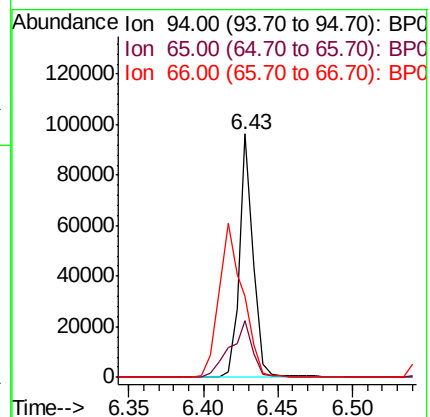
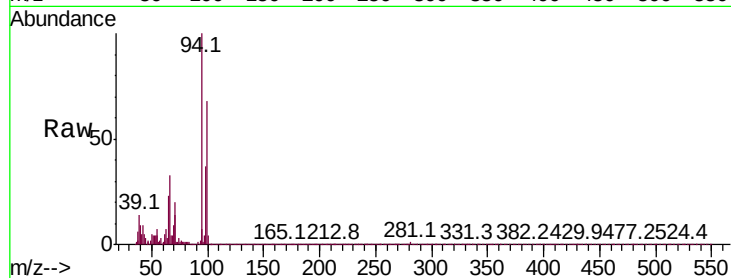
Tot Ion: 94 Resp: 62586

Ion Ratio Lower Upper

94 100

65 23.3 3.3 43.3

66 33.3 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.237 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Tgt Ion: 70 Resp: 81402

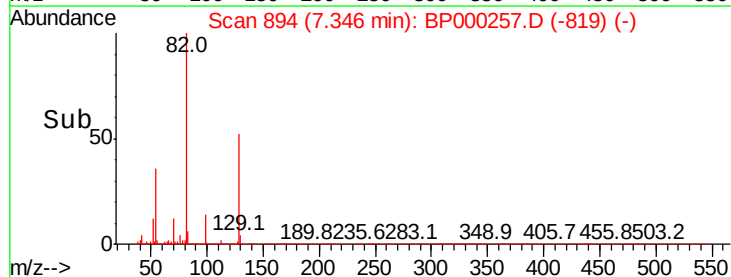
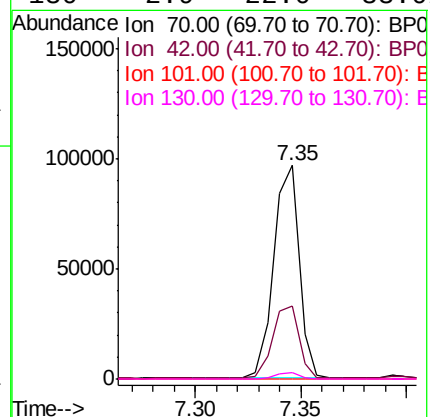
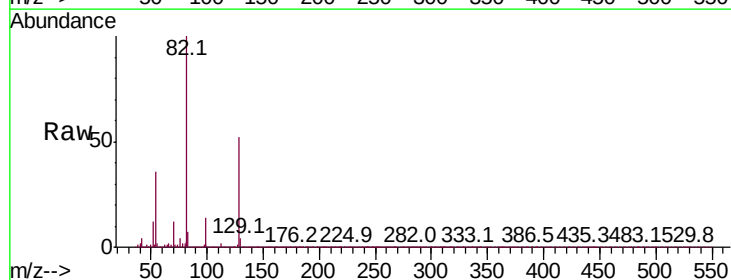
Ion Ratio Lower Upper

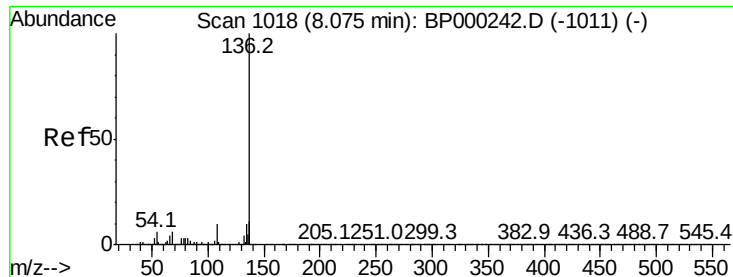
70 100

42 34.2 30.7 46.1

101 0.1 9.6 14.4#

130 2.9 22.0 33.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

Tot Ion:136 Resp: 1229334

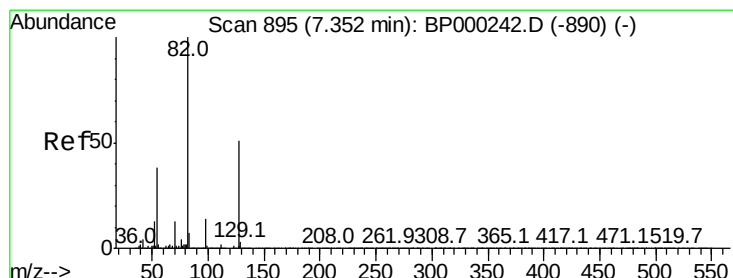
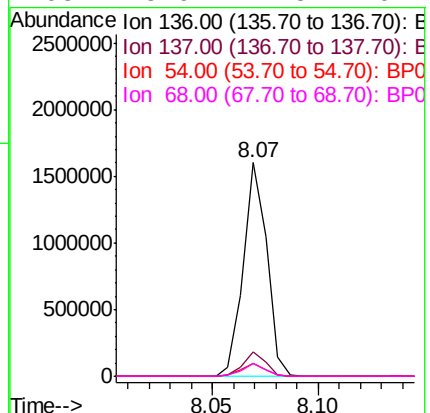
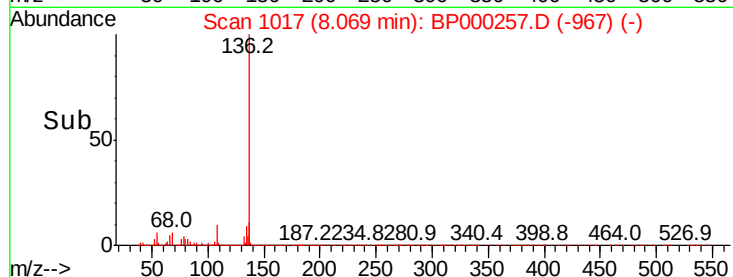
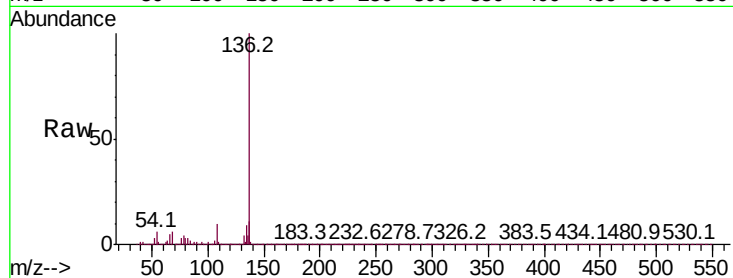
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 5.8 4.5 6.7

68 5.9 4.5 6.7



#23

Nitrobenzene-d5

Concen: 35.029 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

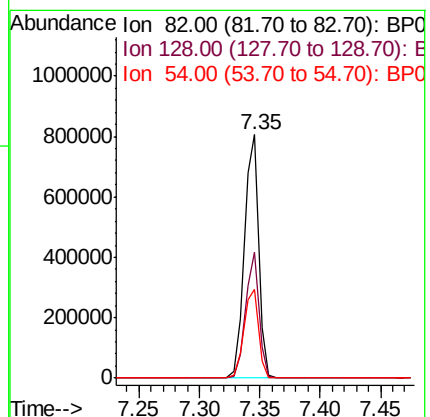
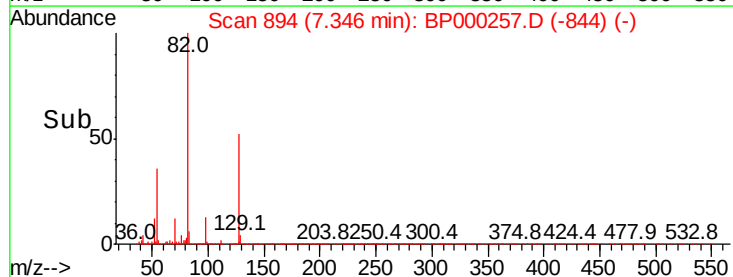
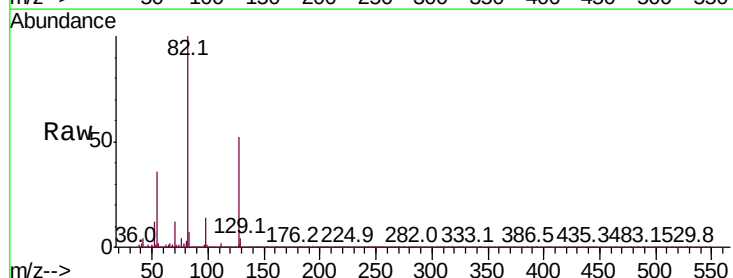
Tgt Ion: 82 Resp: 667423

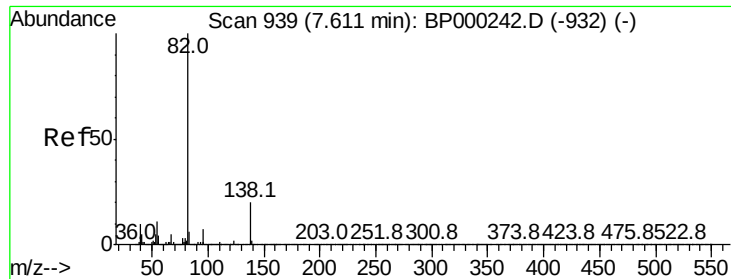
Ion Ratio Lower Upper

82 100

128 51.6 40.7 61.1

54 36.5 30.1 45.1





#25

Isophorone

Concen: 17.622 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

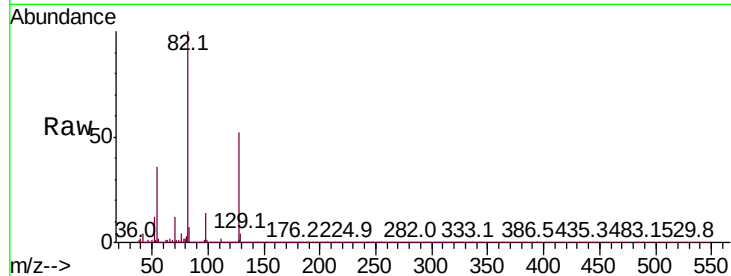
Tot Ion: 82 Resp: 664848

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

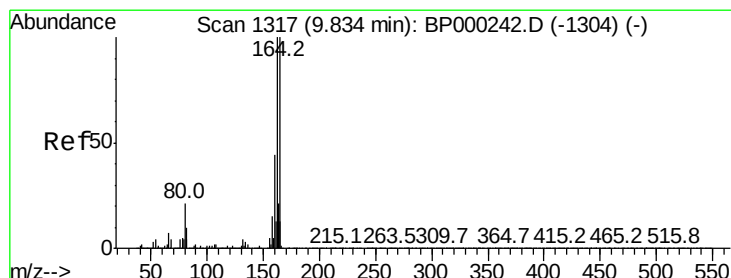
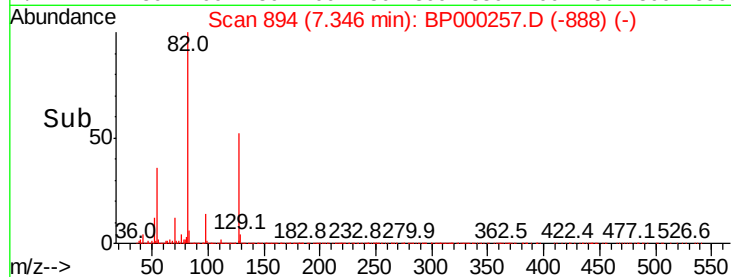
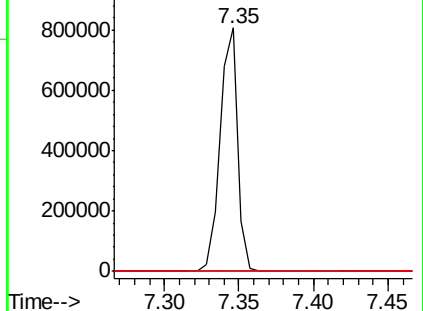
138 0.0 15.9 23.9#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

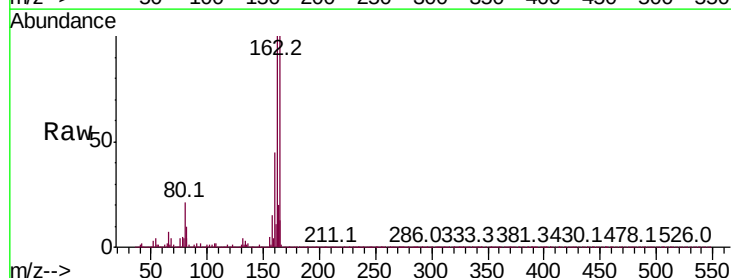
Tgt Ion: 164 Resp: 648388

Ion Ratio Lower Upper

164 100

162 100.5 79.9 119.9

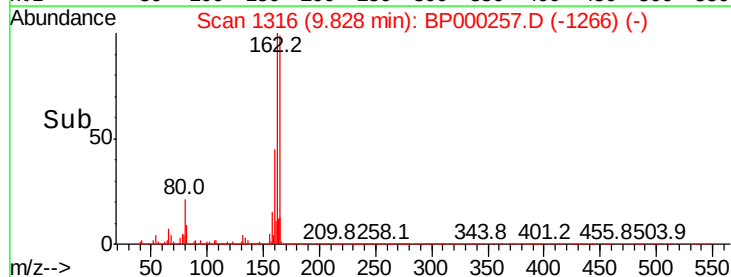
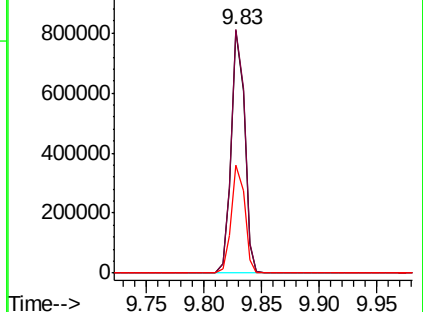
160 44.8 35.6 53.4

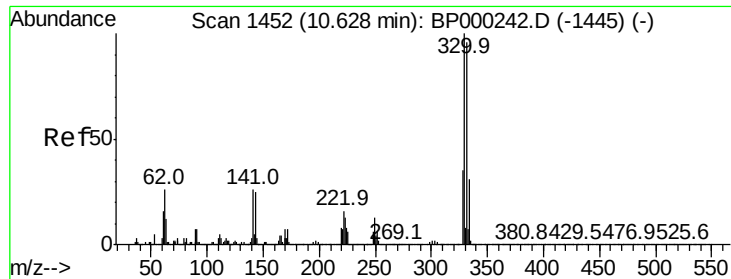


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

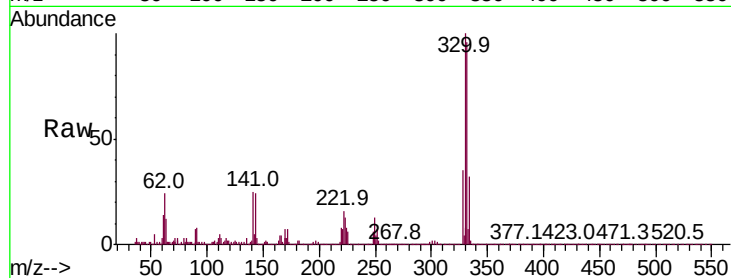




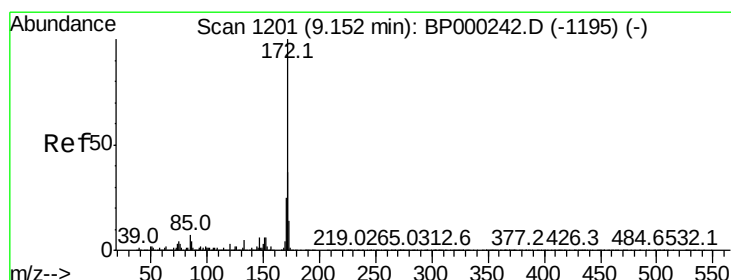
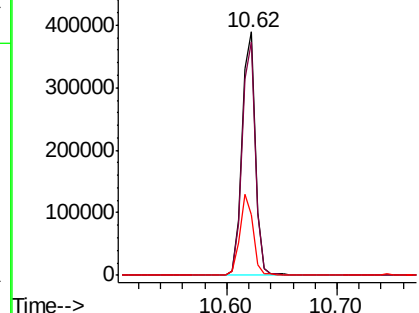
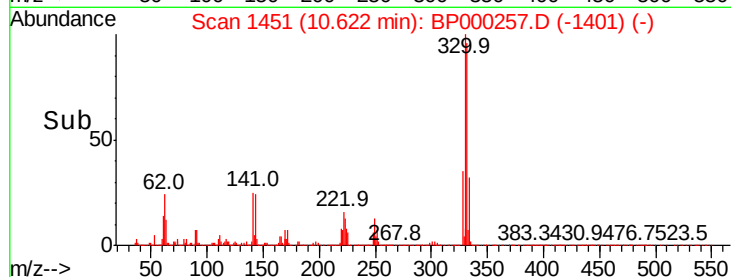
#42
2,4,6-Tribromophenol
Concen: 51.692 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000257.D
Acq: 16 Sep 2019 23:37

Instrument :
BNA_P
ClientSampleId :
COMP-29

Tot Ion:330 Resp: 332440
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 32.4 26.5 39.7

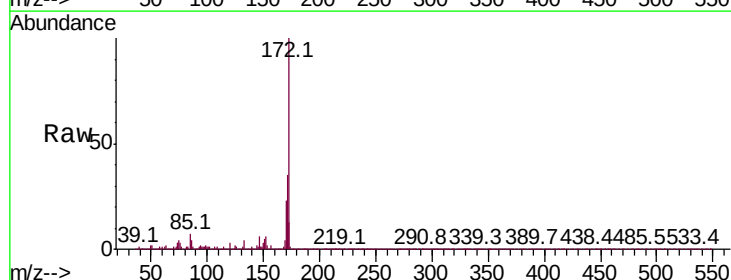


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

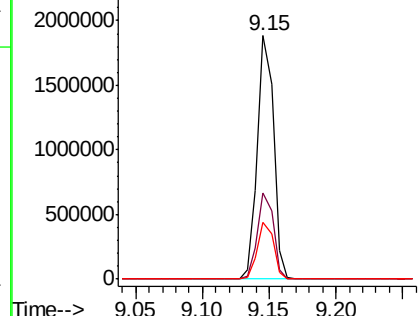
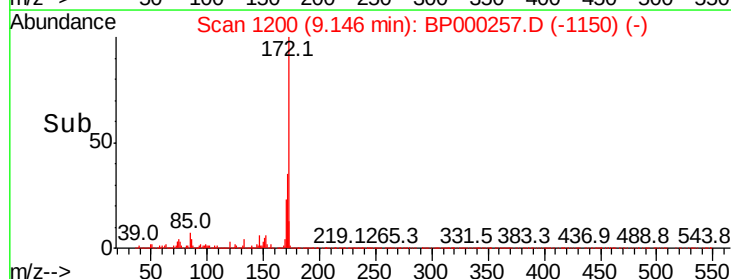


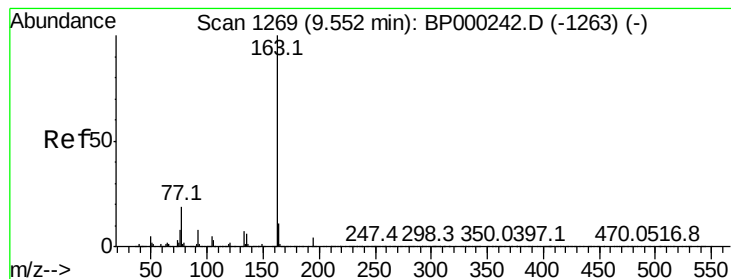
#45
2-Fluorobiphenyl
Concen: 43.155 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000257.D
Acq: 16 Sep 2019 23:37

Tgt Ion:172 Resp: 1554693
Ion Ratio Lower Upper
172 100
171 35.4 29.8 44.6
170 23.2 19.8 29.6



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: 4.116 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

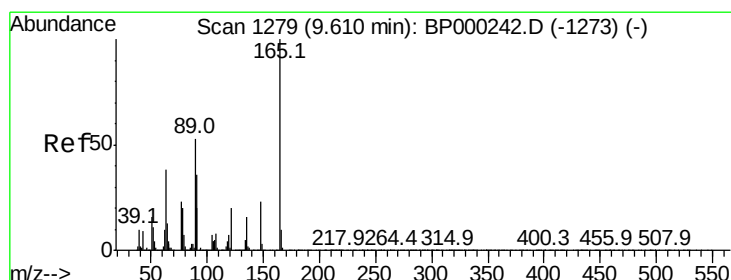
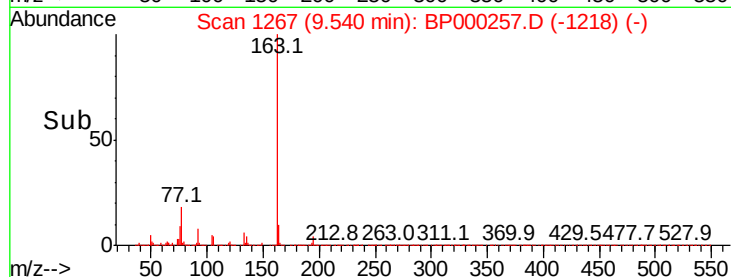
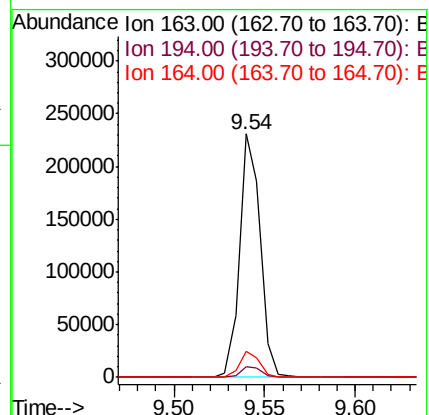
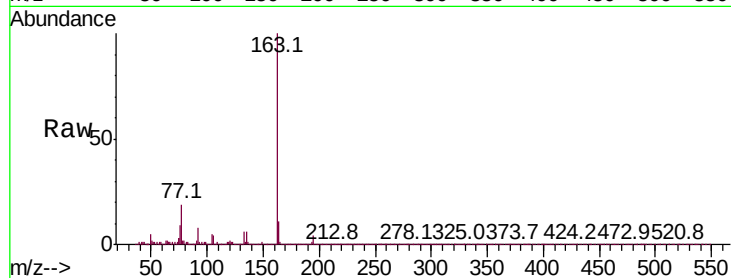
Tot Ion:163 Resp: 181842

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.7 8.5 12.7



#51

2,6-Dinitrotoluene

Concen: 8.737 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.22 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

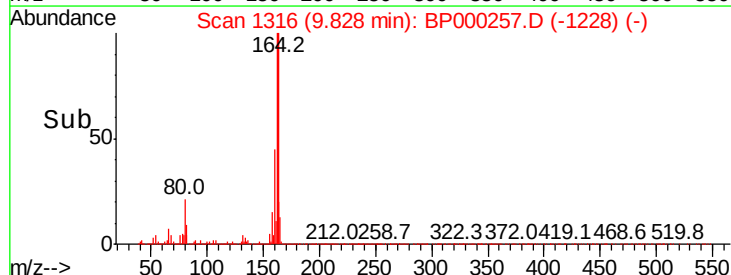
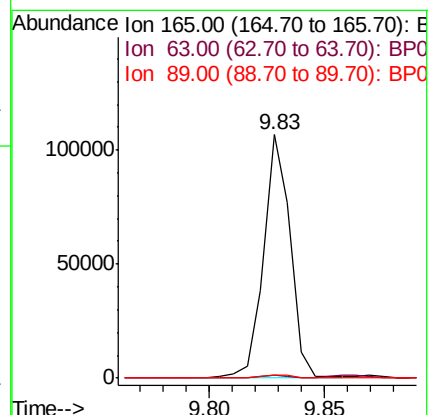
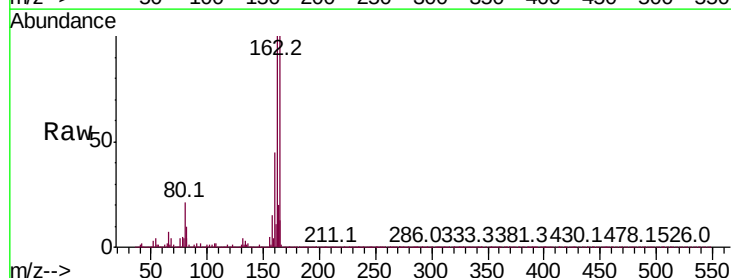
Tgt Ion:165 Resp: 84863

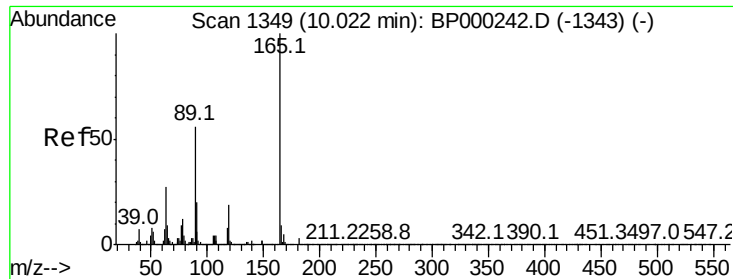
Ion Ratio Lower Upper

165 100

63 1.1 35.8 53.8#

89 1.4 42.6 63.8#

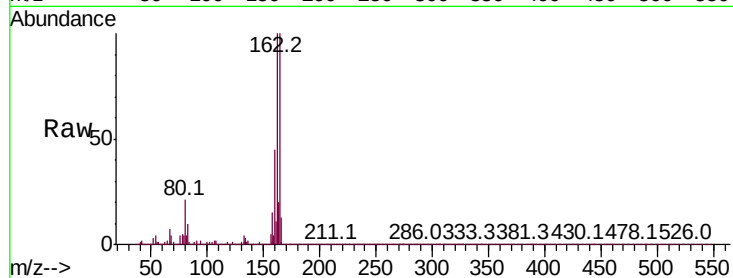




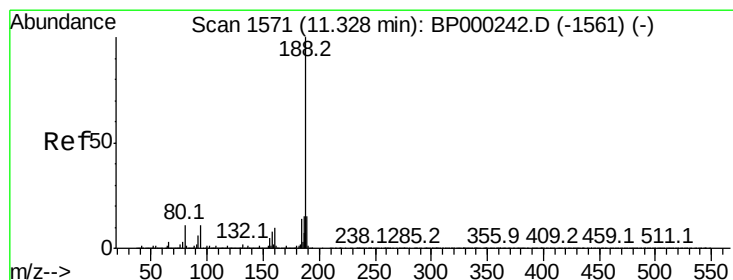
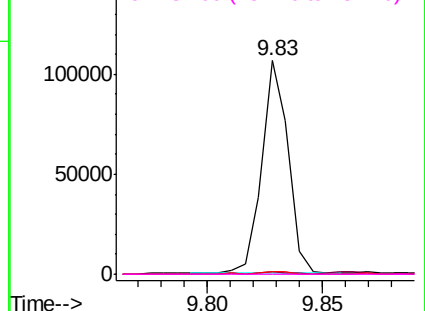
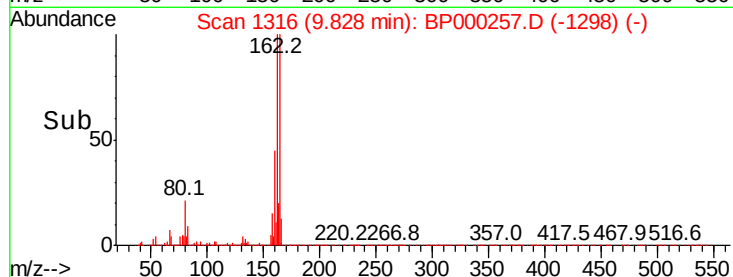
#57
 2,4-Dinitrotoluene
 Concen: 6.683 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BP000257.D
 Acq: 16 Sep 2019 23:37

Instrument :
 BNA_P
 ClientSampleId :
 COMP-29

Tot Ion:165 Resp: 84863
 Ion Ratio Lower Upper
 165 100
 63 1.1 21.7 32.5#
 89 1.4 45.0 67.6#
 182 0.2 2.4 3.6#

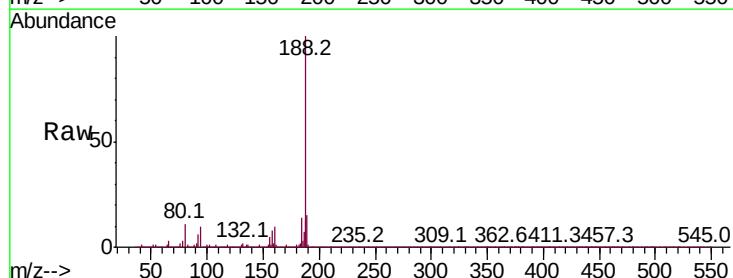


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BP0
 Ion 89.00 (88.70 to 89.70): BP0
 Ion 182.00 (181.70 to 182.70): E

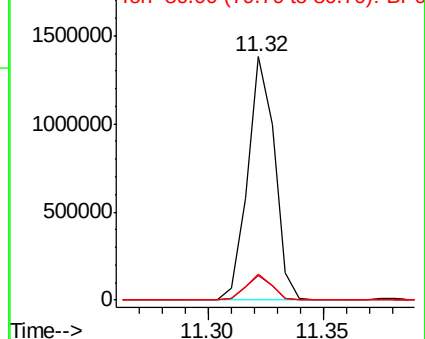
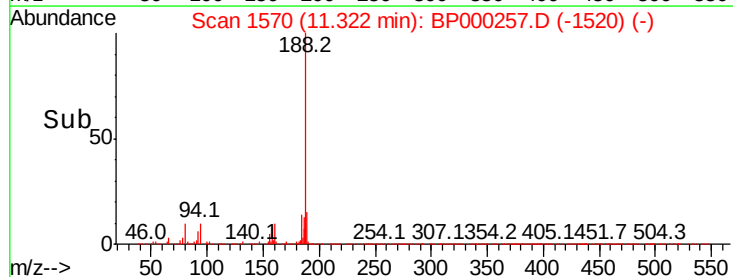


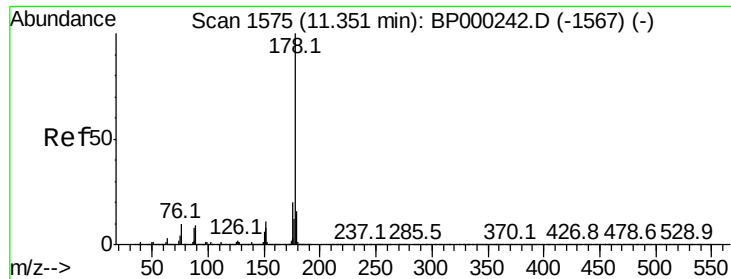
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BP000257.D
 Acq: 16 Sep 2019 23:37

Tgt Ion:188 Resp: 1126207
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.6 8.6 13.0



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: 3.505 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

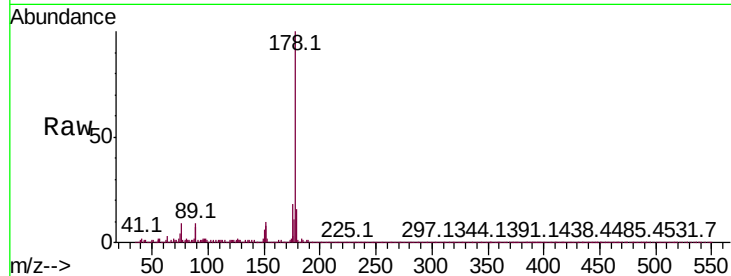
BNA_P

ClientSampleId :

COMP-29

Tot Ion:178 Resp: 197813

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.5	12.7	19.1

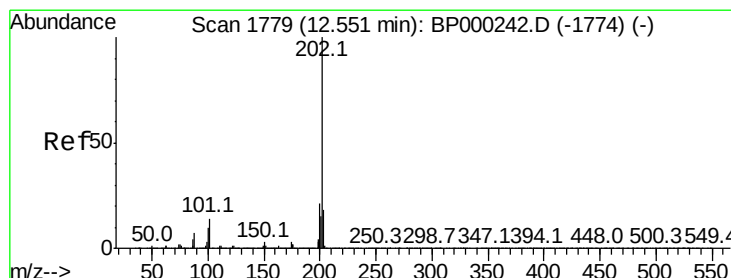
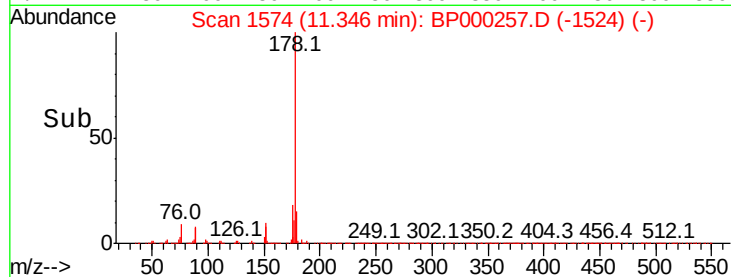
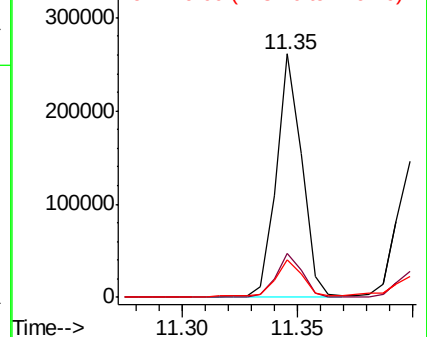


Abundance

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: 8.566 ng

RT: 12.55 min Scan# 1778

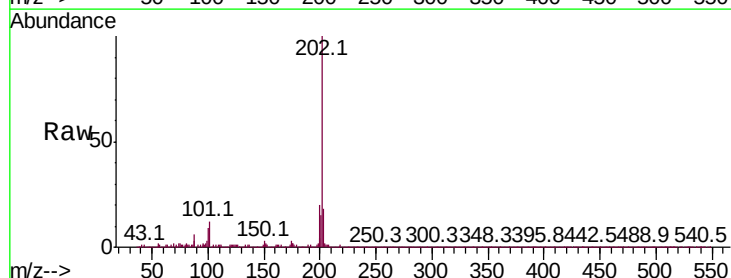
Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Tgt Ion:202 Resp: 519137

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.9
203	17.7	0.0	38.0

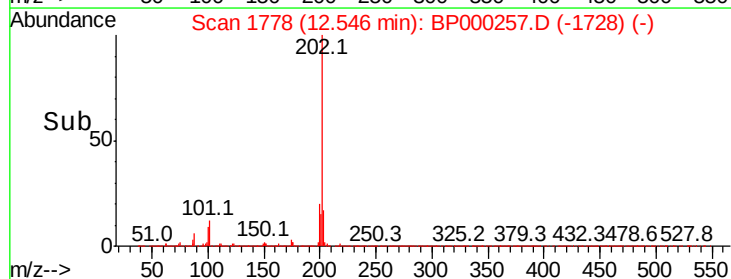
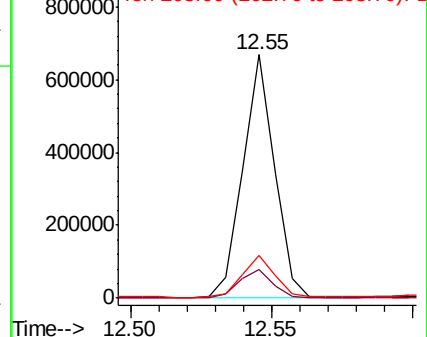


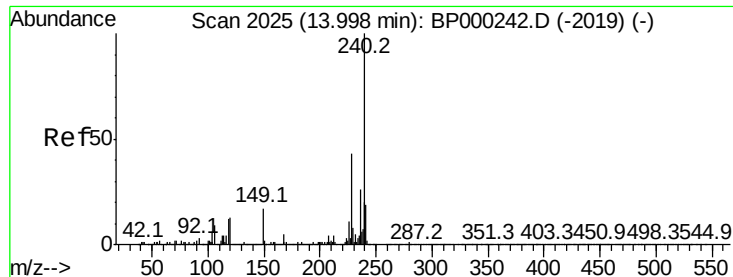
Abundance

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

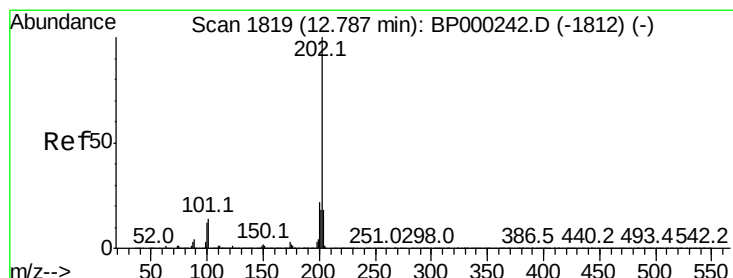
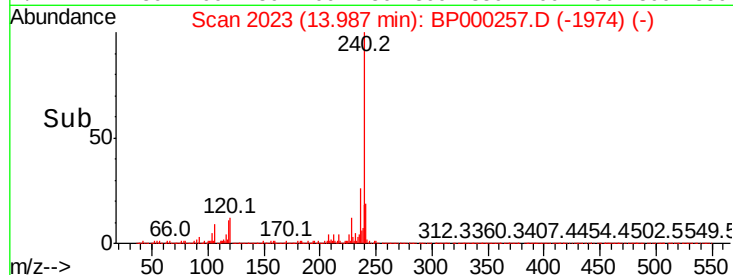
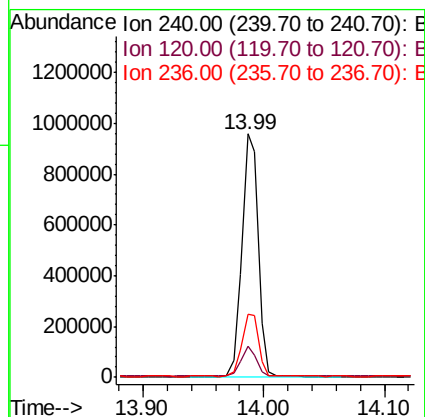
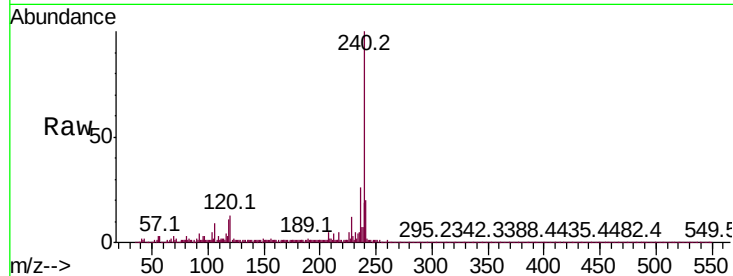




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BP000257.D
Acq: 16 Sep 2019 23:37

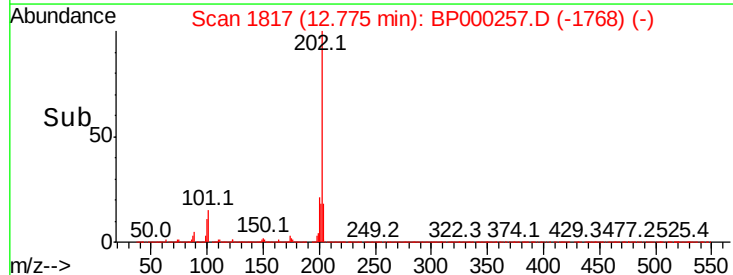
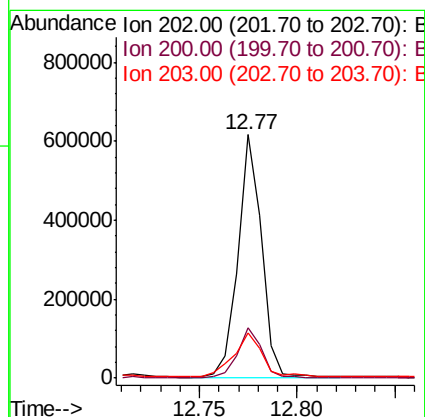
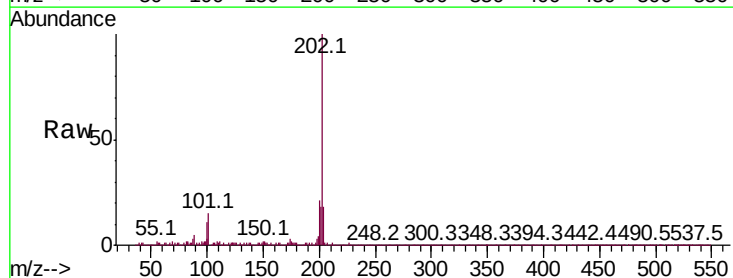
Instrument :
BNA_P
ClientSampleId :
COMP-29

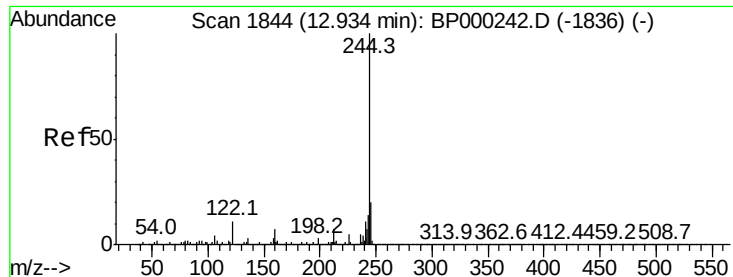
Tot Ion:240 Resp: 902364
Ion Ratio Lower Upper
240 100
120 12.6 10.4 15.6
236 26.1 21.0 31.6



#78
Pyrene
Concen: 7.592 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BP000257.D
Acq: 16 Sep 2019 23:37

Tgt Ion:202 Resp: 512541
Ion Ratio Lower Upper
202 100
200 20.7 17.5 26.3
203 18.5 14.3 21.5





#79

Terphenyl-d14

Concen: 38.046 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

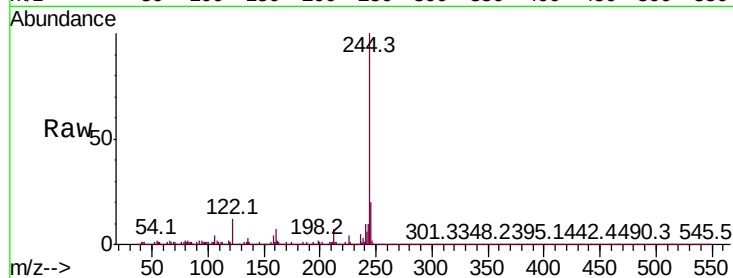
Tot Ion:244 Resp: 1636507

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

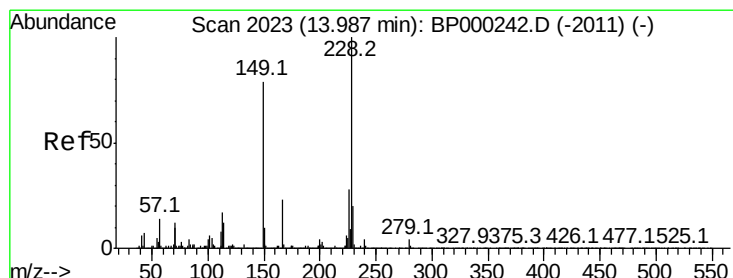
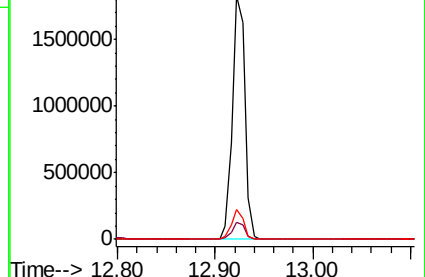
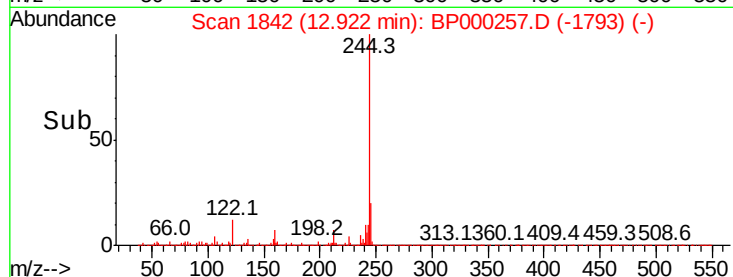
122 12.1 9.0 13.4



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: 4.893 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.03 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

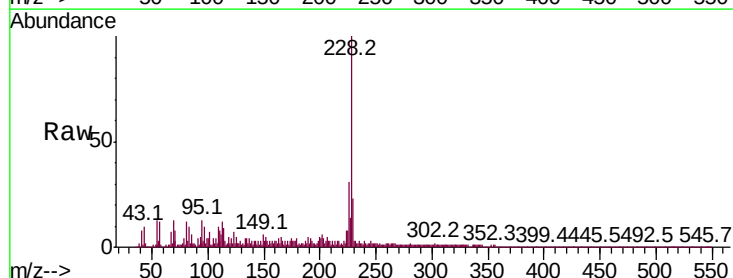
Tgt Ion:228 Resp: 278876

Ion Ratio Lower Upper

228 100

226 30.5 22.2 33.4

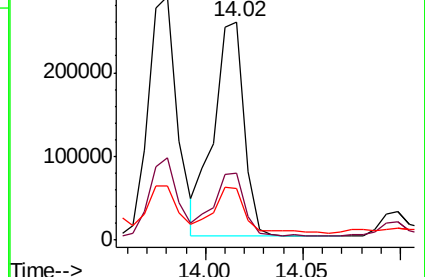
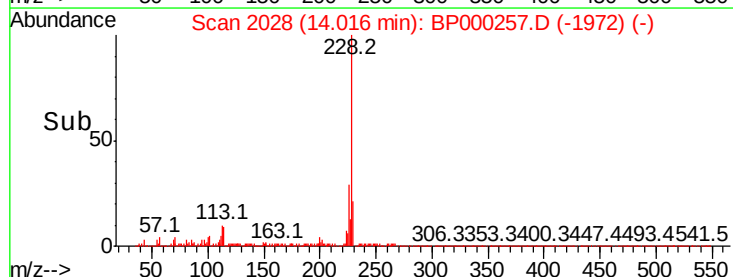
229 23.4 16.0 24.0

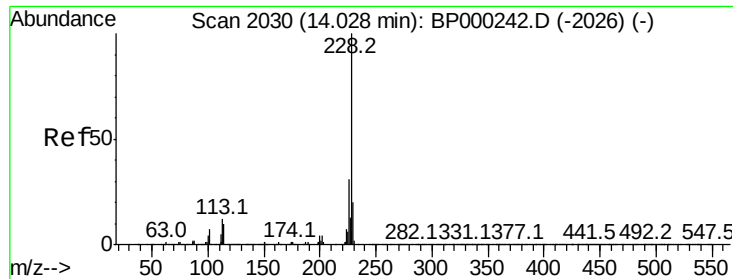


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.983 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

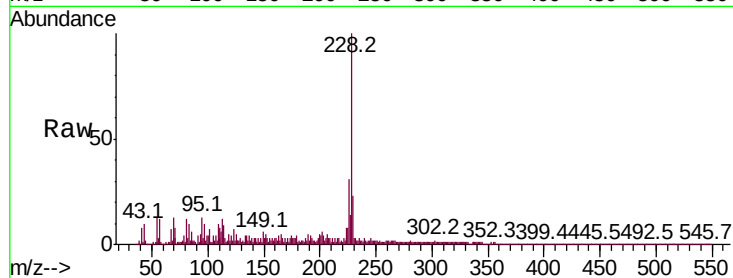
BNA_P

ClientSampleId :

COMP-29

Tot Ion:228 Resp: 278876

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	23.4	16.2	24.2

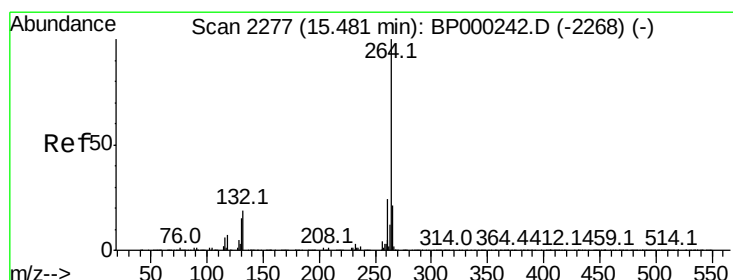
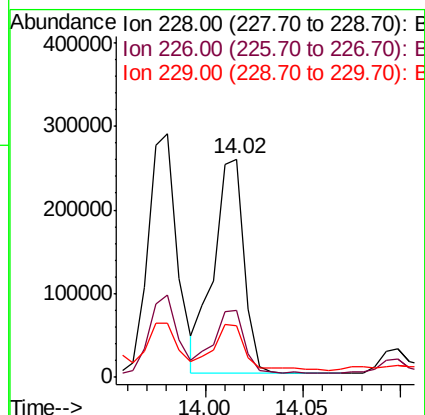
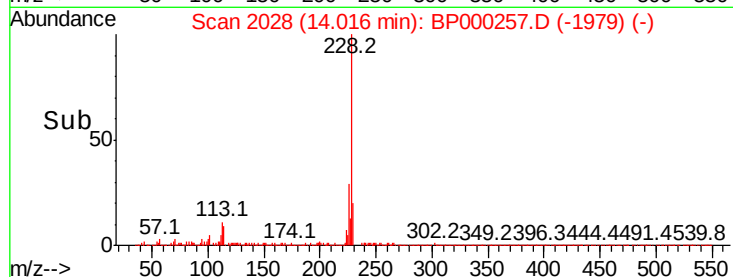


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

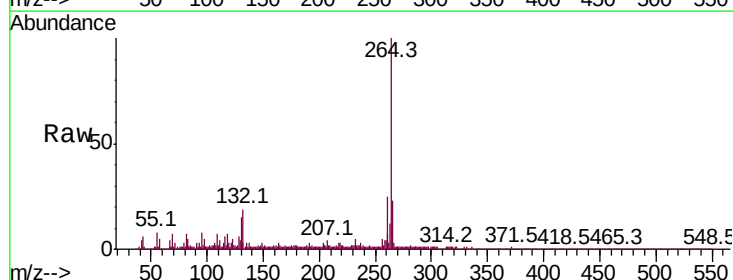
Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Tgt Ion:264 Resp: 838402

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.9	28.3
265	23.3	17.2	25.8

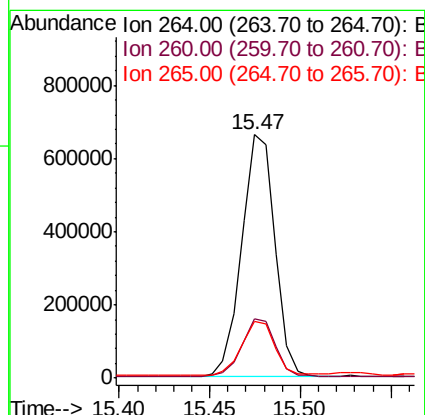
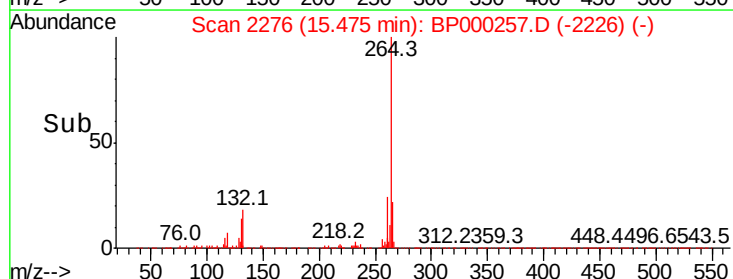


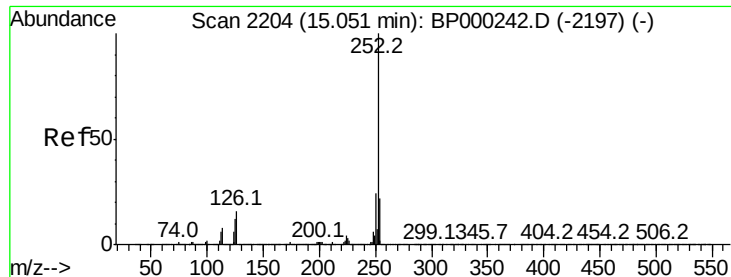
Abundance

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: 9.544 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

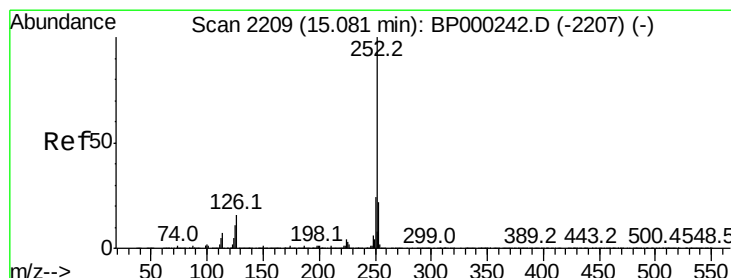
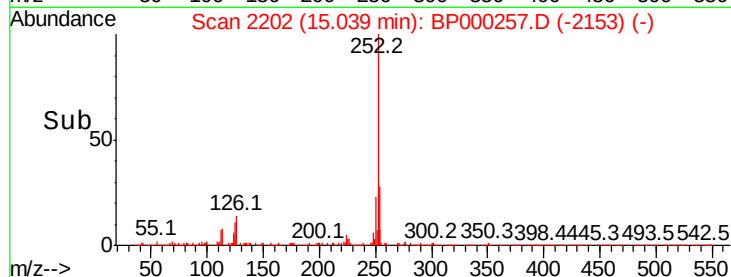
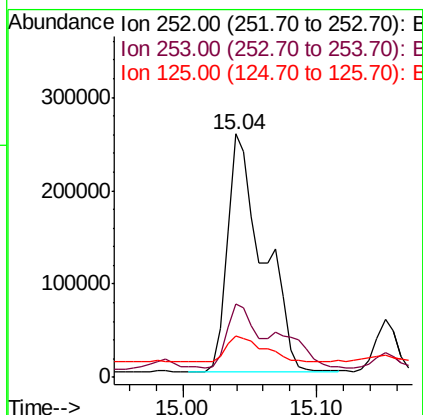
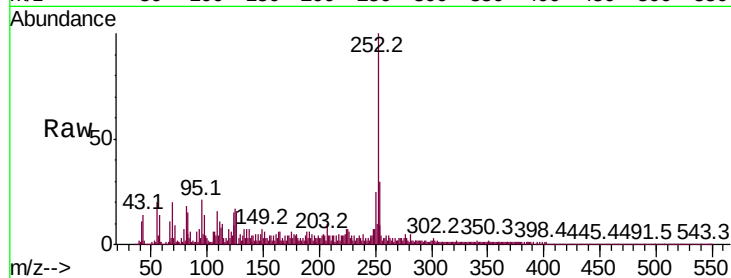
Tot Ion:252 Resp: 477370

Ion Ratio Lower Upper

252 100

253 30.2 17.8 26.6#

125 16.8 9.5 14.3#



#89

Benzo(k)fluoranthene

Concen: 10.942 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

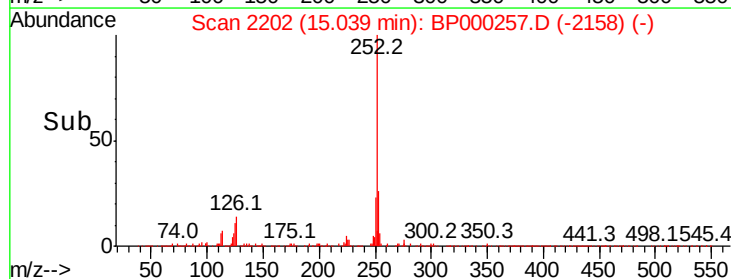
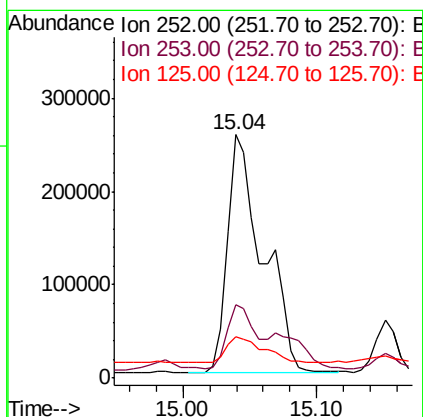
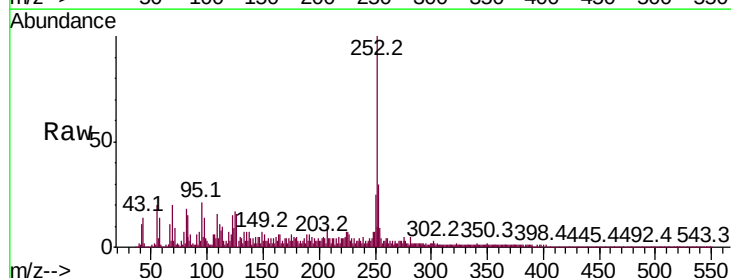
Tgt Ion:252 Resp: 477370

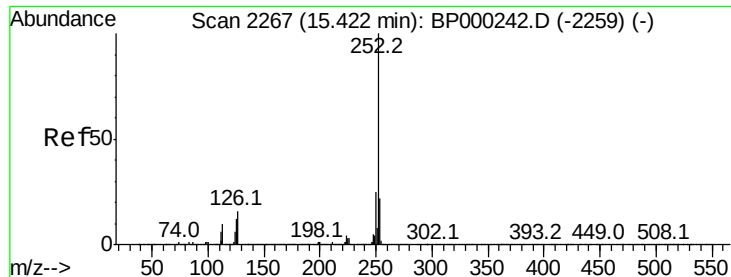
Ion Ratio Lower Upper

252 100

253 30.2 17.8 26.8#

125 16.8 9.6 14.4#





#90

Benzo(a)pyrene

Concen: 5.383 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Instrument :

BNA_P

ClientSampleId :

COMP-29

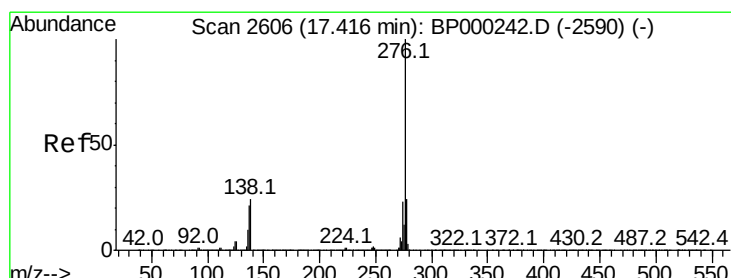
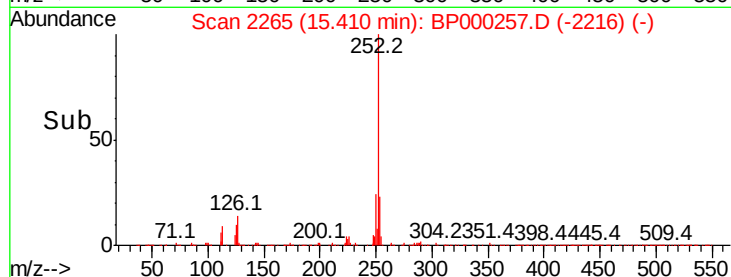
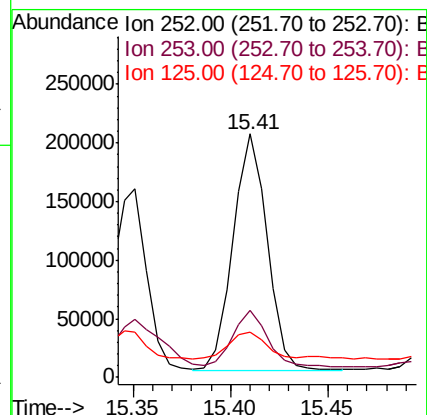
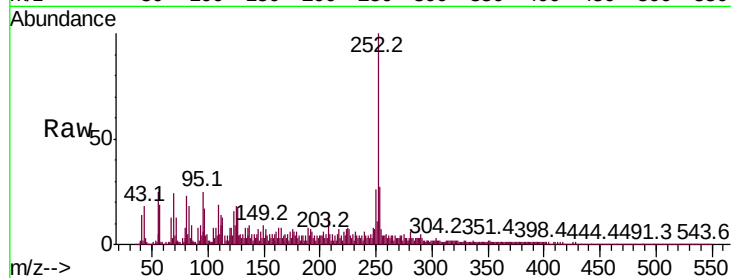
Tot Ion:252 Resp: 244961

Ion Ratio Lower Upper

252 100

253 27.4 17.7 26.5#

125 18.3 10.0 15.0#



#92

Benzo(g,h,i)perylene

Concen: 3.225 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.01 min

Lab File: BP000257.D

Acq: 16 Sep 2019 23:37

Tgt Ion:276 Resp: 140671

Ion Ratio Lower Upper

276 100

277 27.4 19.1 28.7

138 26.6 19.5 29.3

