

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000365.D
 Acq On : 20 Sep 2019 19:37
 Operator : HP/JU
 Sample : K4972-03DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 20 23:17:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

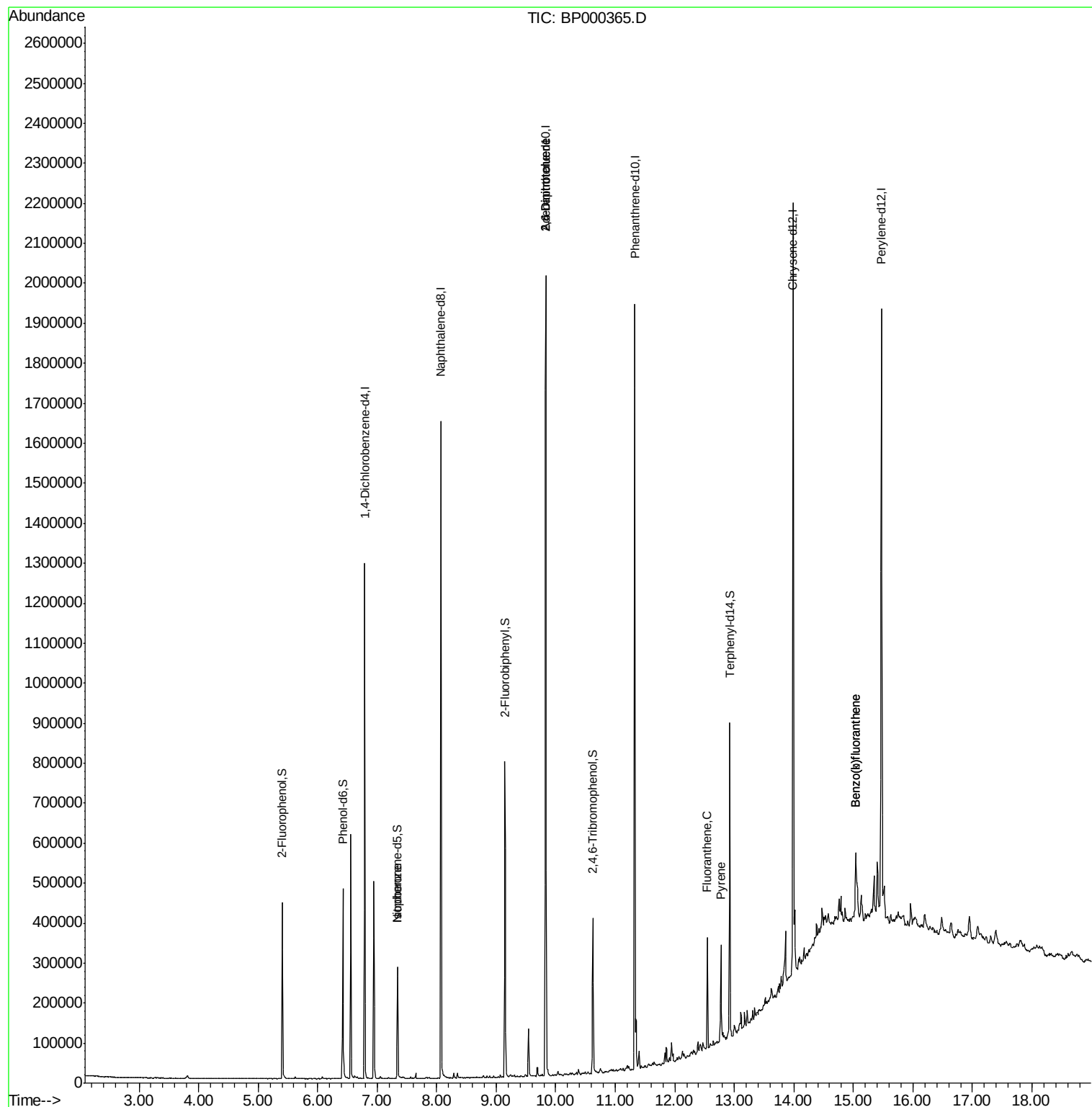
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	193656	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	741546	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	399910	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	695721	20.00	ng	0.00
76) Chrysene-d12	13.99	240	645550	20.00	ng	0.00
87) Perylene-d12	15.47	264	734868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	137379	12.25	ng	0.00
7) Phenol-d6	6.42	99	184420	13.41	ng	0.00
23) Nitrobenzene-d5	7.34	82	91675	7.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	49237	12.41	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	229510	10.33	ng	0.00
79) Terphenyl-d14	12.92	244	250799	8.15	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.33	77	256	Below Cal	Qvalue #	72
25) Isophorone	7.34	82	91845	4.036 ng	#	63
51) 2,6-Dinitrotoluene	9.83	165	52255	8.722 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	52332	6.682 ng	#	35
69) Atrazine	11.05	200	90	Below Cal		75
75) Fluoranthene	12.55	202	110034	2.939 ng		96
78) Pyrene	12.78	202	106994	2.215 ng		97
88) Benzo(b)fluoranthene	15.04	252	110509	2.521 ng		96
89) Benzo(k)fluoranthene	15.04	252	110509	2.890 ng		96

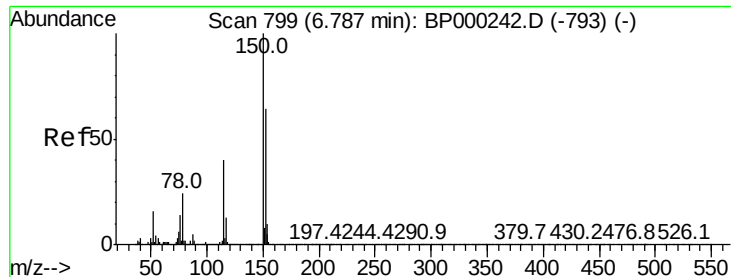
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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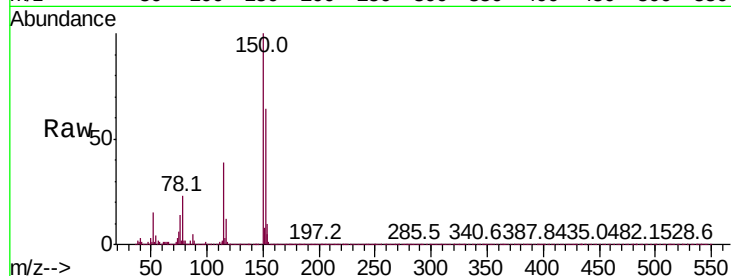


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000365.D
Acq: 20 Sep 2019 19:37

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.2	187.8
115	61.3	49.7	74.5

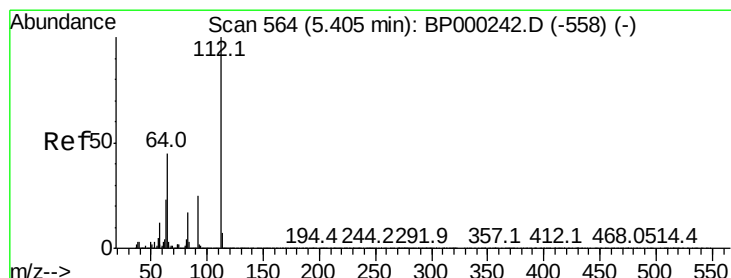
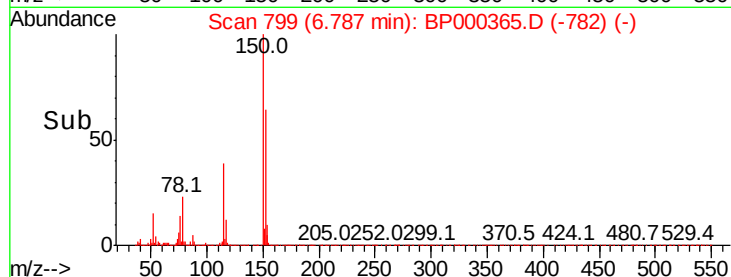
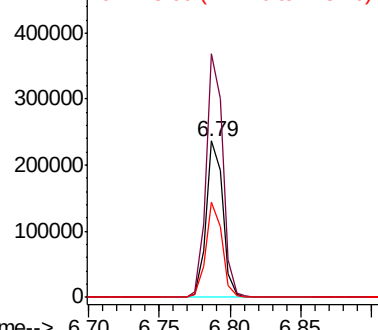


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

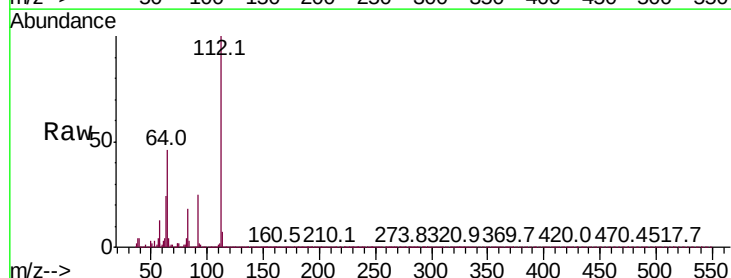
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 12.247 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000365.D
Acq: 20 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.8	36.2	54.4
63	24.2	18.3	27.5

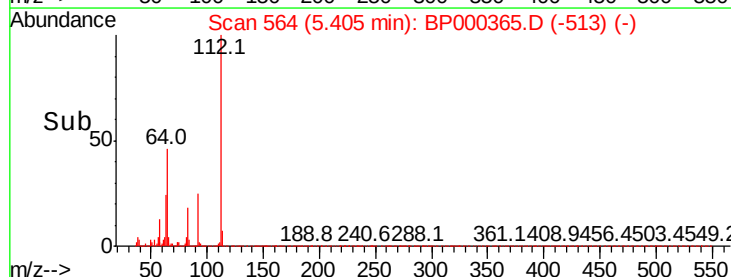
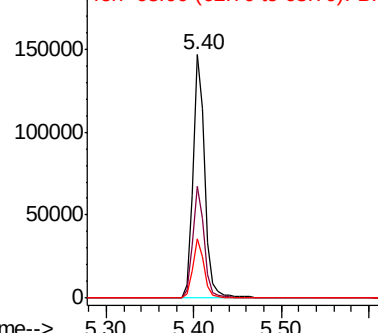


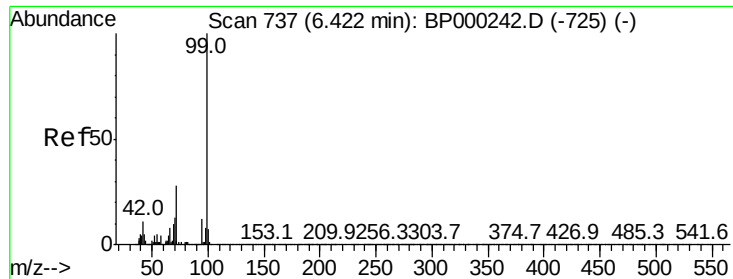
Abundance

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: 13.412 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

Instrument :

BNA_P

ClientSampled :

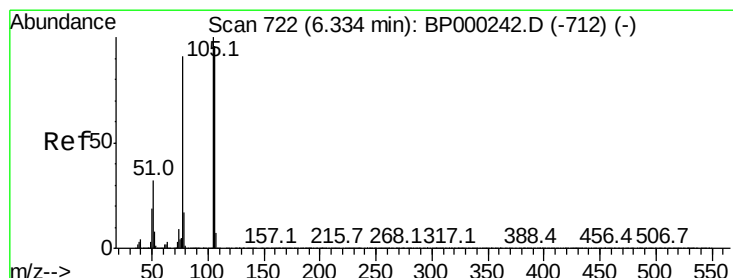
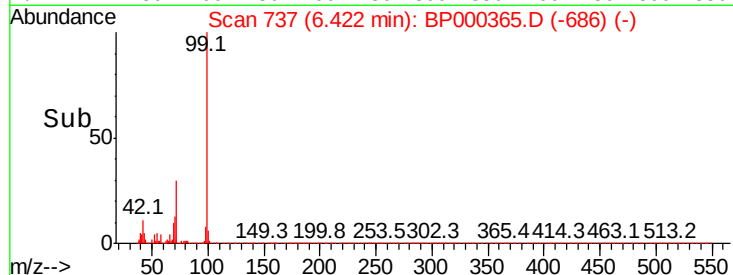
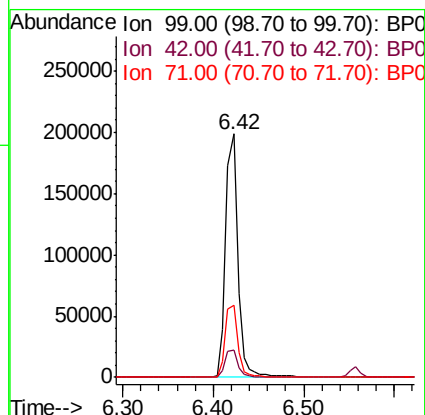
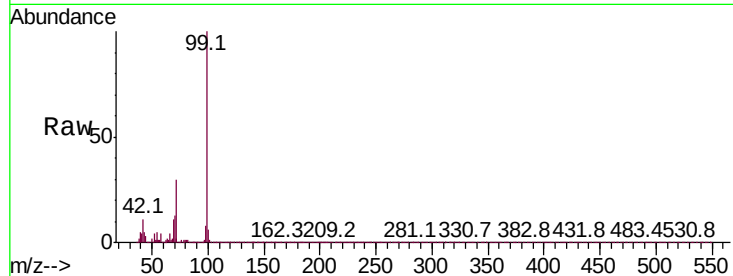
Tot Ion: 99 Resp: 184420

Ion Ratio Lower Upper

99 100

42 11.0 8.5 12.7

71 29.7 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

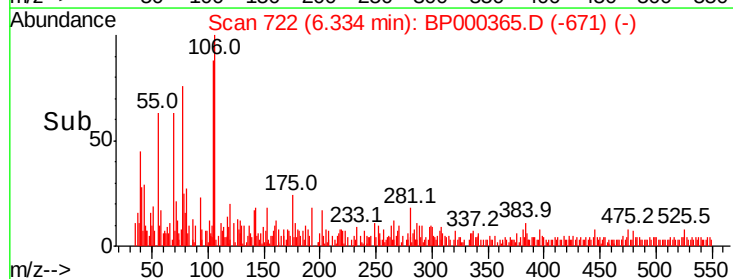
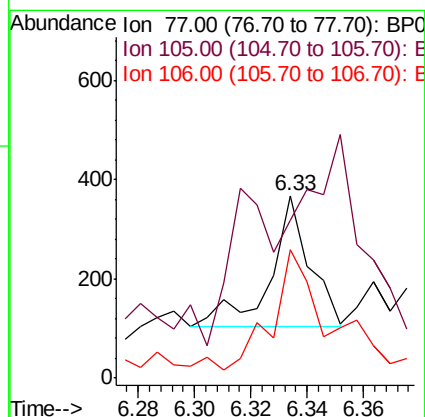
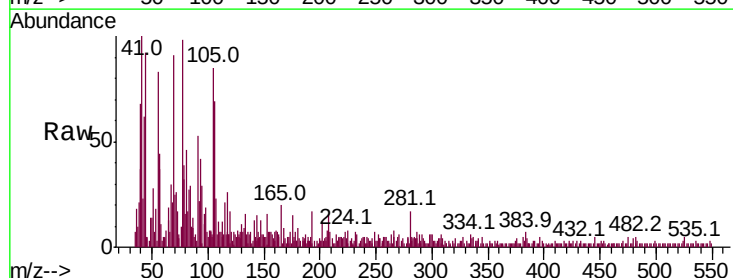
Tgt Ion: 77 Resp: 256

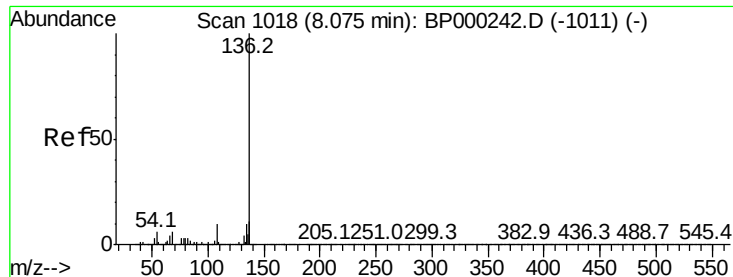
Ion Ratio Lower Upper

77 100

105 86.7 89.6 129.6#

106 70.1 84.6 124.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

Instrument :

BNA_P

ClientSampleId :

Tot Ion:136 Resp: 741546

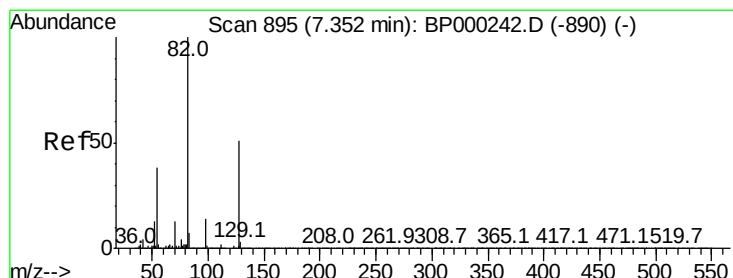
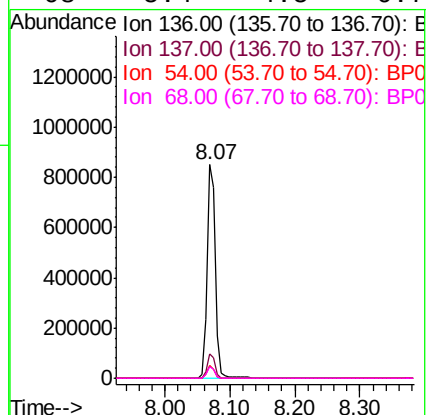
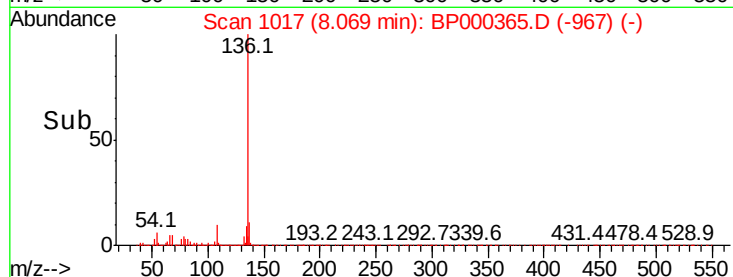
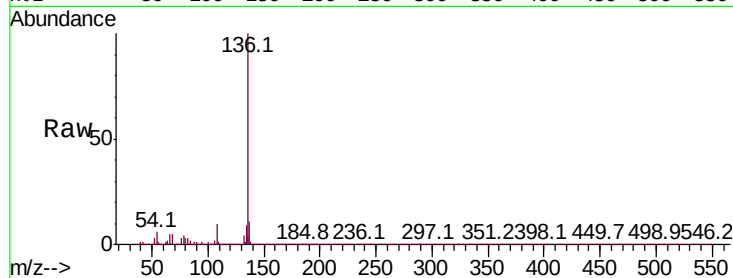
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 5.7 4.5 6.7

68 5.4 4.5 6.7



#23

Nitrobenzene-d5

Concen: 7.976 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

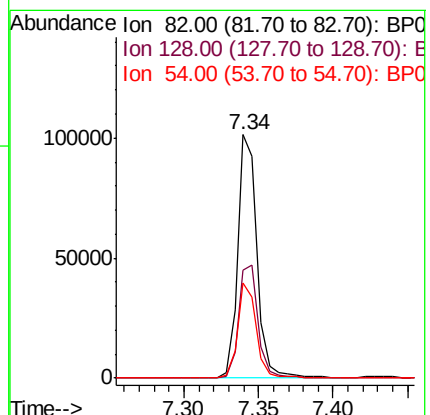
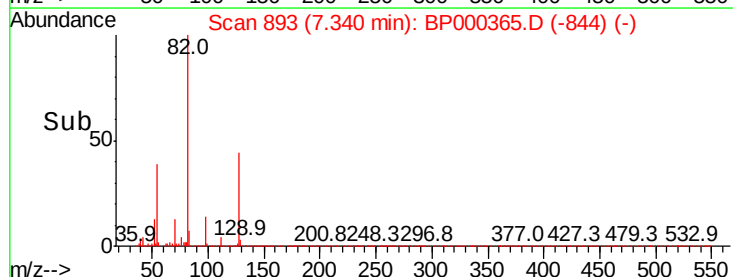
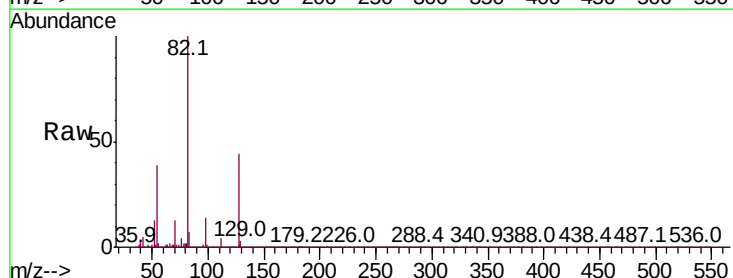
Tgt Ion: 82 Resp: 91675

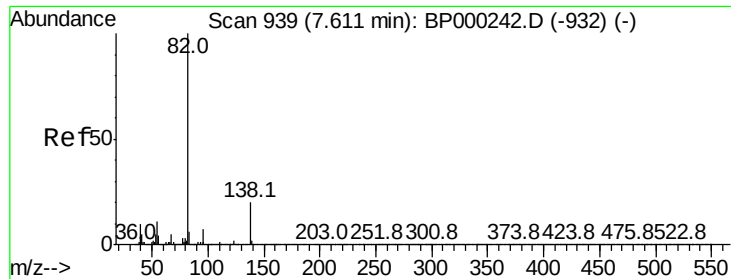
Ion Ratio Lower Upper

82 100

128 44.2 40.7 61.1

54 38.9 30.1 45.1





#25

Isophorone

Concen: 4.036 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

Instrument :

BNA_P

ClientSampled :

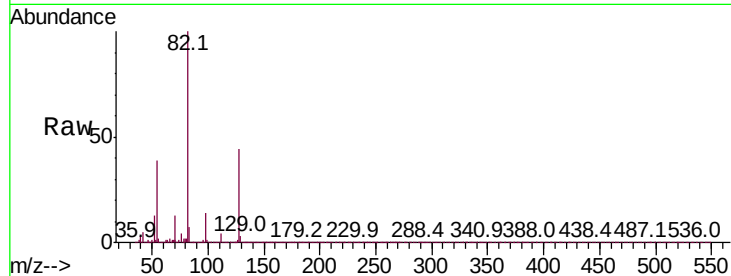
Tot Ion: 82 Resp: 91845

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

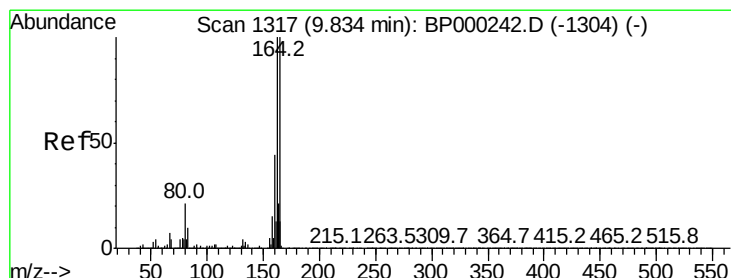
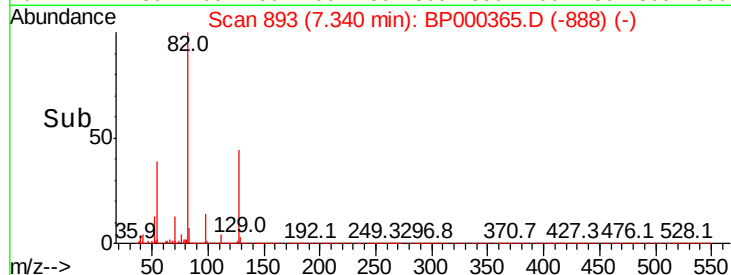
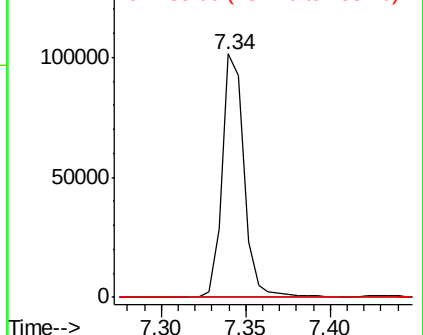
138 0.0 15.9 23.9#



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# 1317

Delta R.T. -0.00 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

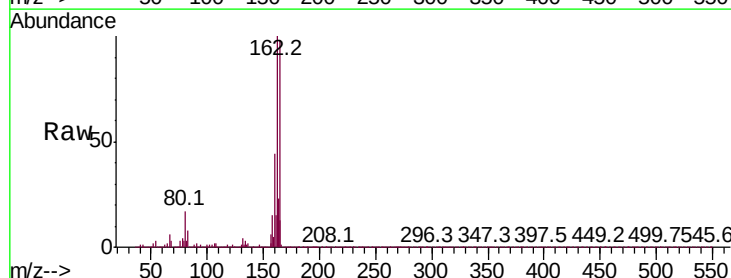
Tgt Ion: 164 Resp: 399910

Ion Ratio Lower Upper

164 100

162 101.7 79.9 119.9

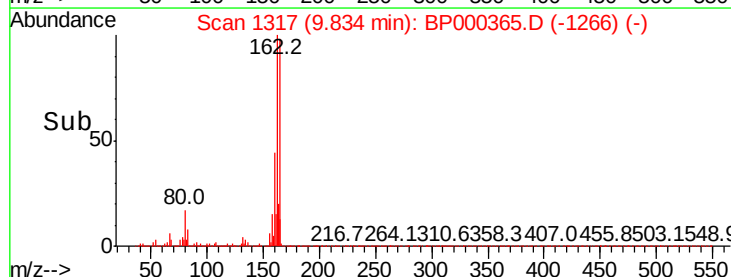
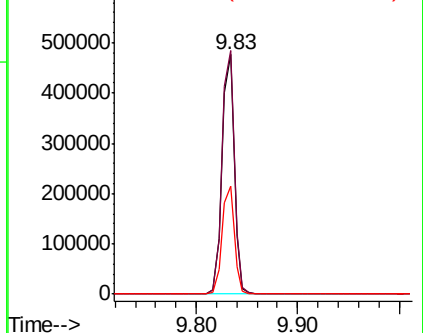
160 44.9 35.6 53.4

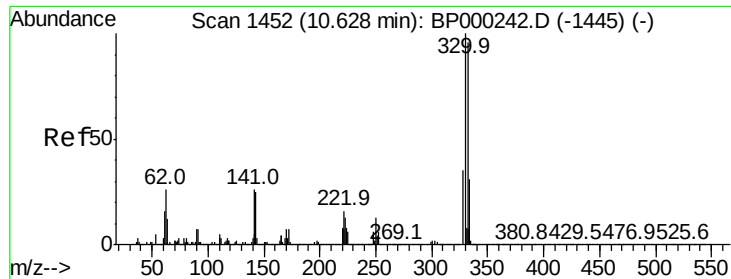


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

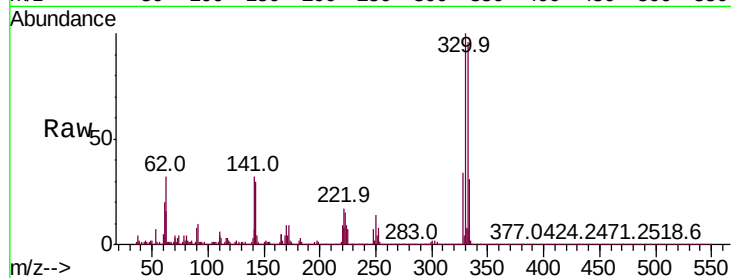




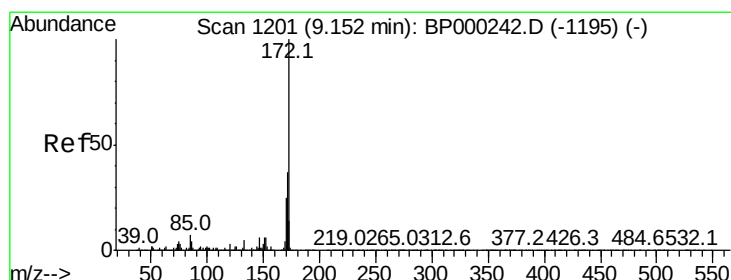
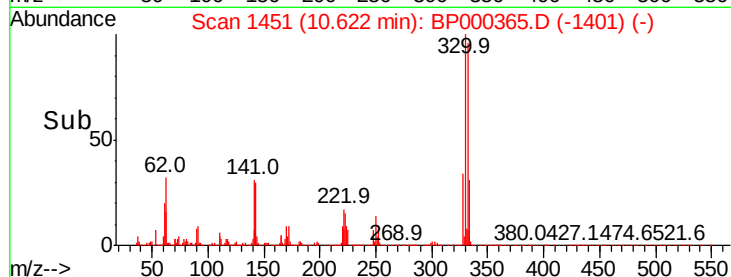
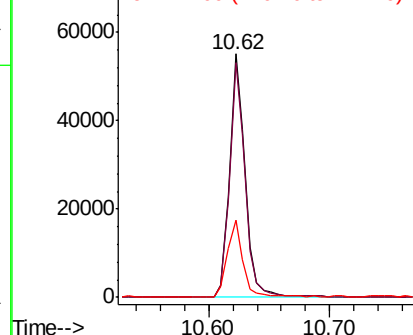
#42
2,4,6-Tribromophenol
Concen: 12.413 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000365.D
Acq: 20 Sep 2019 19:37

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	31.7	26.5	39.7

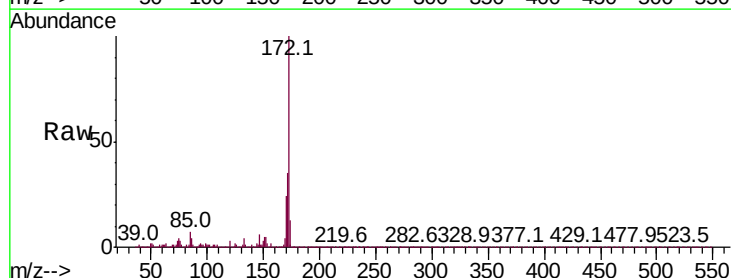


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

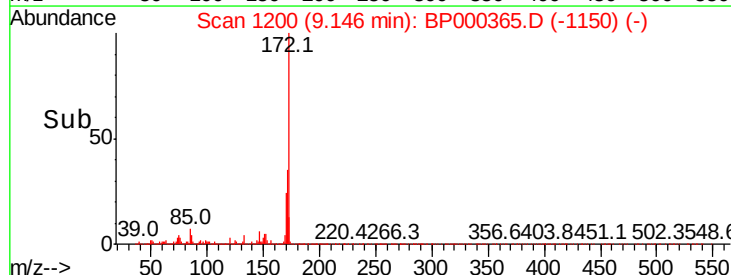
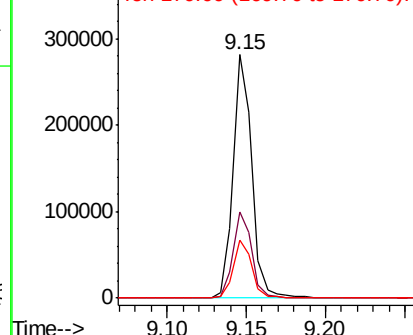


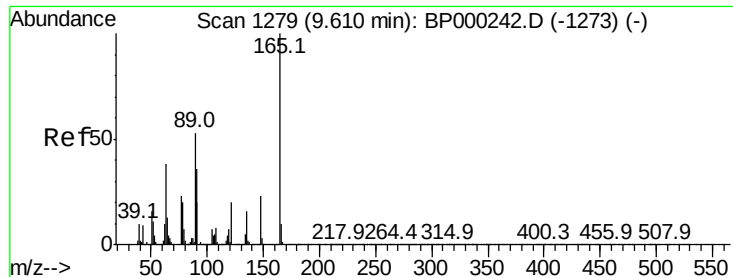
#45
2-Fluorobiphenyl
Concen: 10.329 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000365.D
Acq: 20 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.8	44.6
170	23.6	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

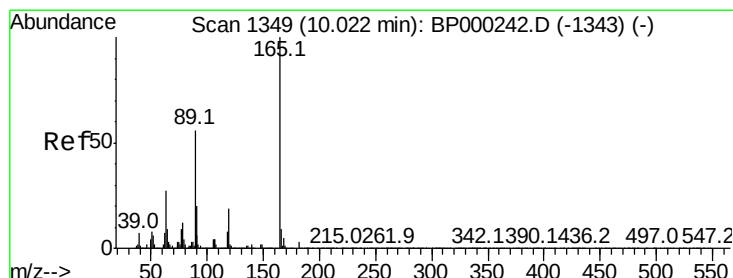
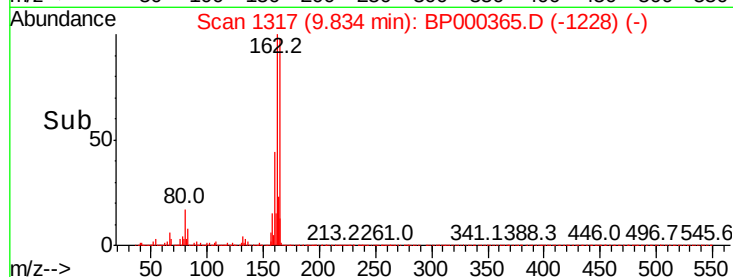
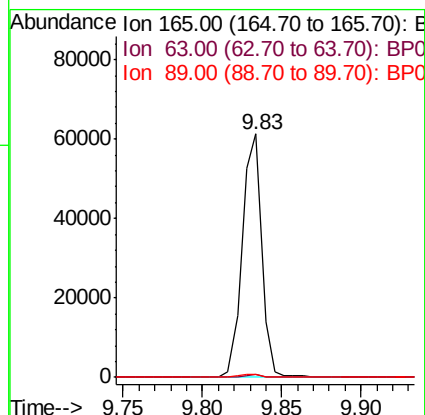
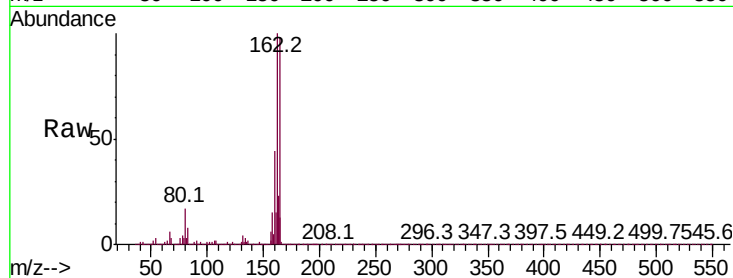




#51
 2,6-Dinitrotoluene
 Concen: 8.722 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.22 min
 Lab File: BP000365.D
 Acq: 20 Sep 2019 19:37

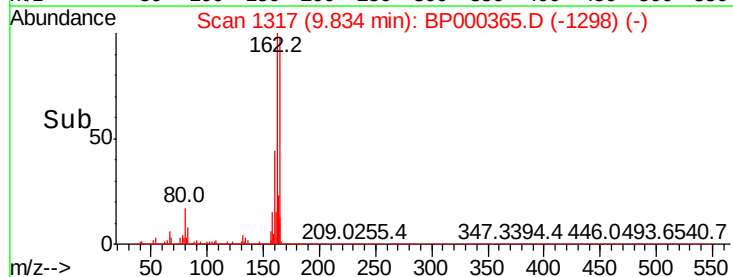
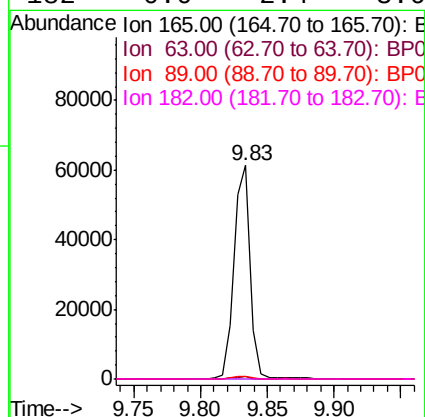
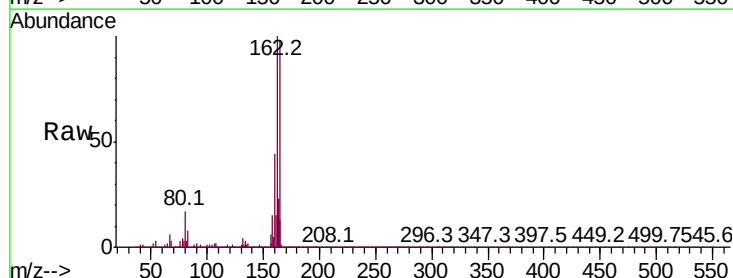
Instrument :
 BNA_P
 ClientSampleId :

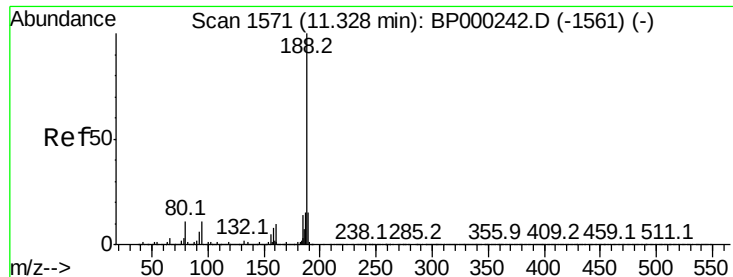
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.8	53.8#
89	1.3	42.6	63.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.682 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BP000365.D
 Acq: 20 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	21.7	32.5#
89	1.3	45.0	67.6#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

Instrument :

BNA_P

ClientSampleId :

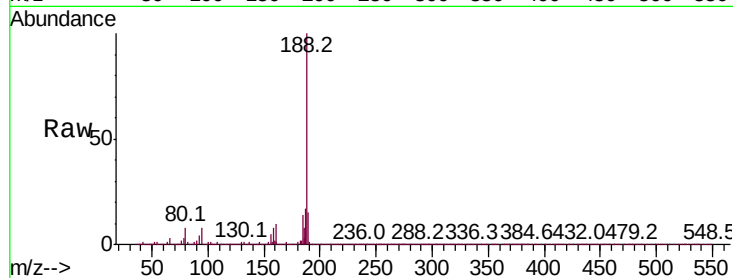
Tot Ion:188 Resp: 695721

Ion Ratio Lower Upper

188 100

94 8.1 8.5 12.7#

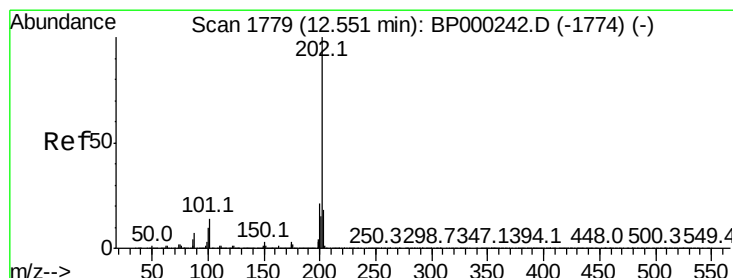
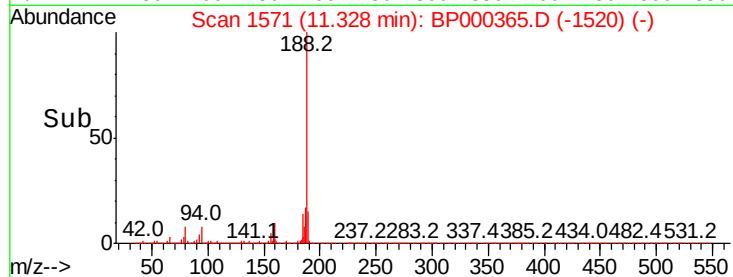
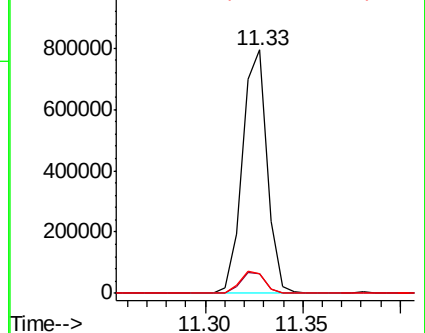
80 8.3 8.6 13.0#



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



#75

Fluoranthene

Concen: 2.939 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

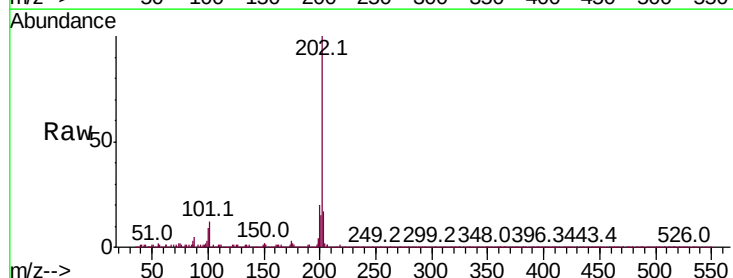
Tgt Ion:202 Resp: 110034

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.9

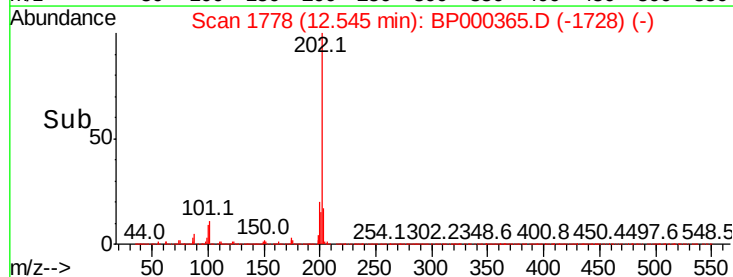
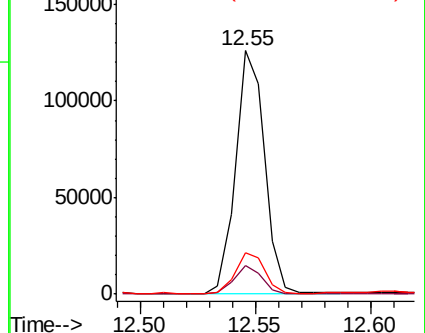
203 17.2 0.0 38.0

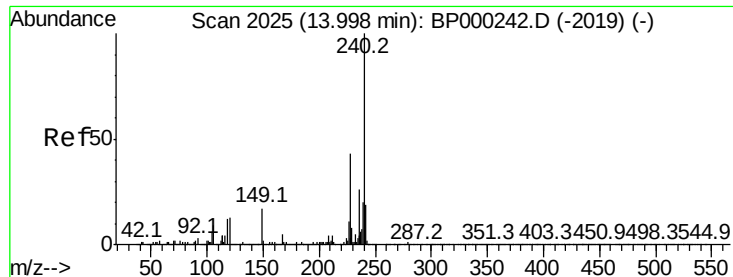


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

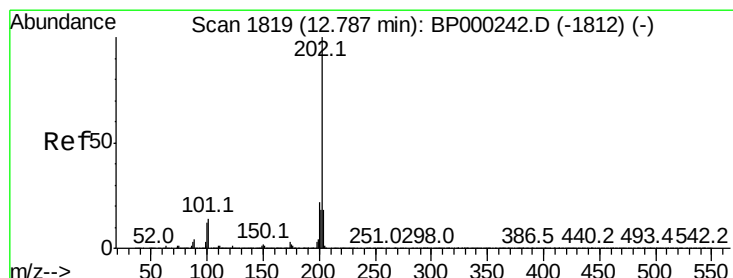
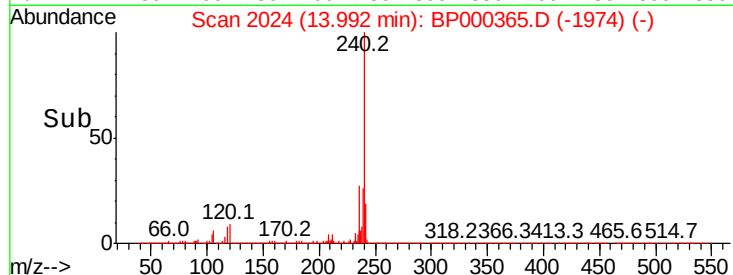
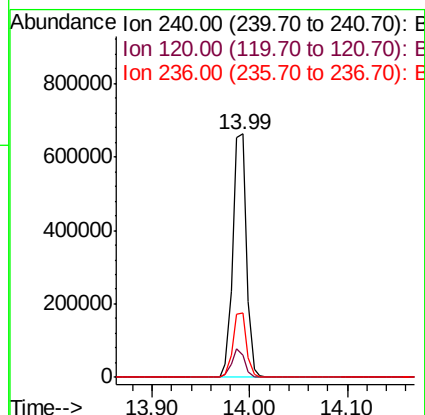
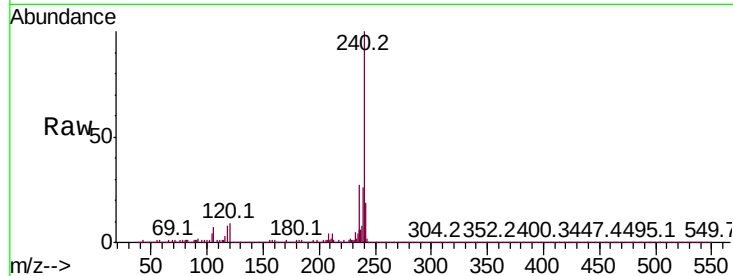




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000365.D
Acq: 20 Sep 2019 19:37

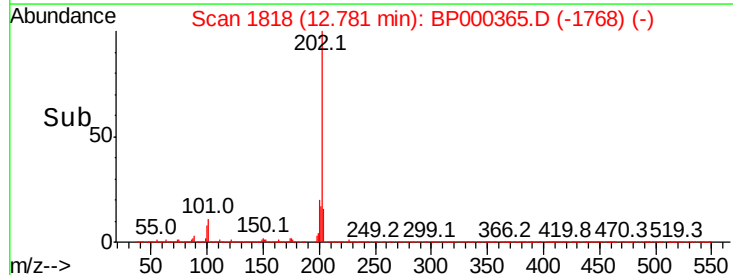
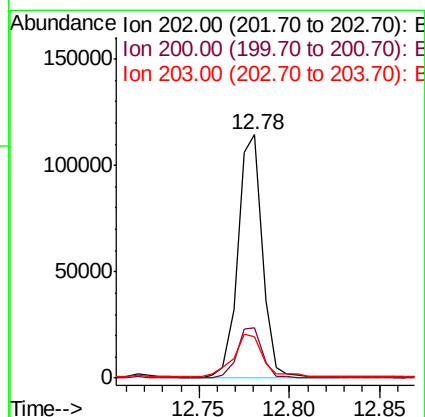
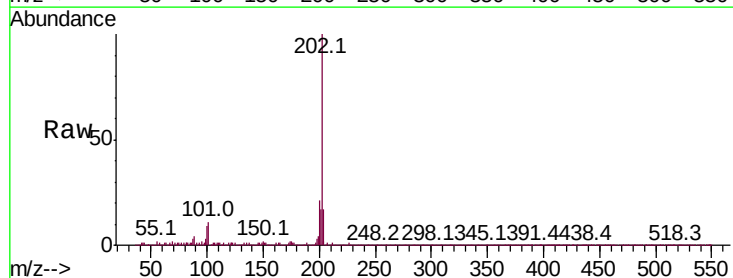
Instrument :
BNA_P
ClientSampleId :

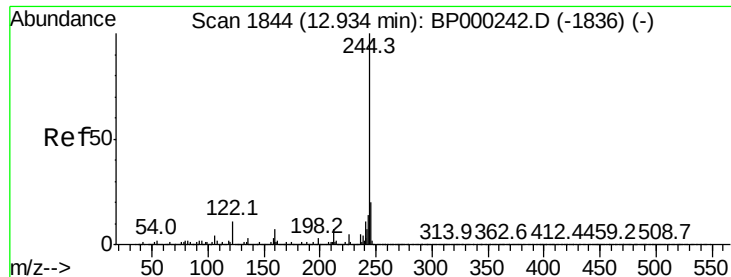
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	10.4	15.6#
236	26.5	21.0	31.6



#78
Pyrene
Concen: 2.215 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000365.D
Acq: 20 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.5	26.3
203	16.9	14.3	21.5





#79

Terphenyl-d14

Concen: 8.150 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

Instrument :

BNA_P

ClientSampleId :

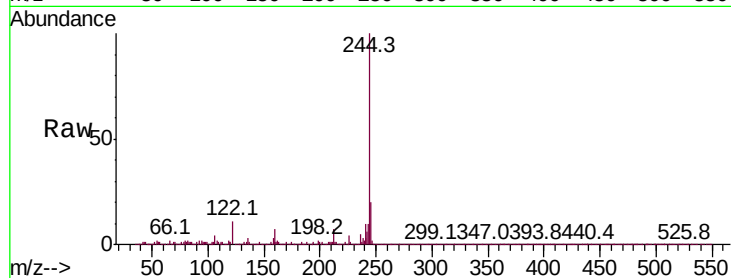
Tot Ion:244 Resp: 250799

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

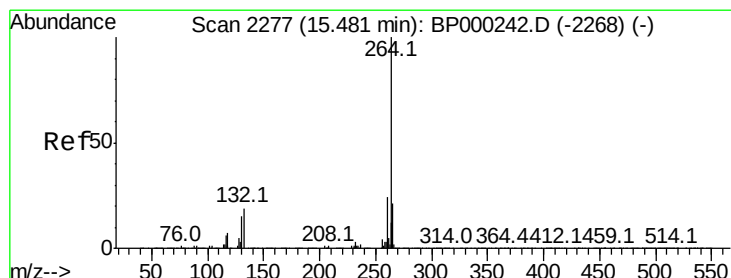
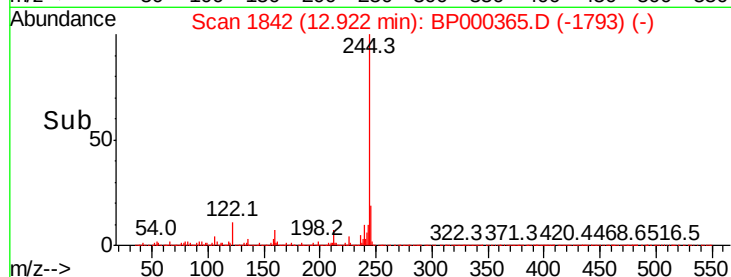
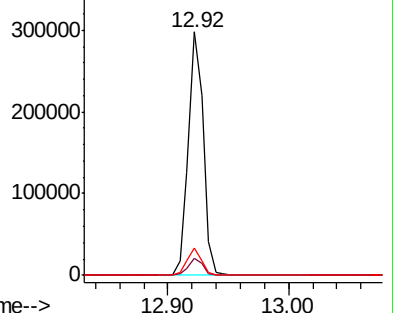
122 11.1 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

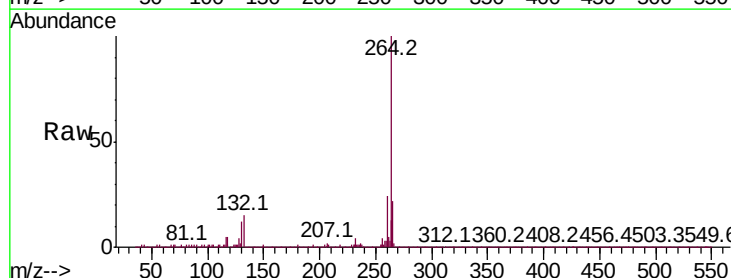
Tgt Ion:264 Resp: 734868

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

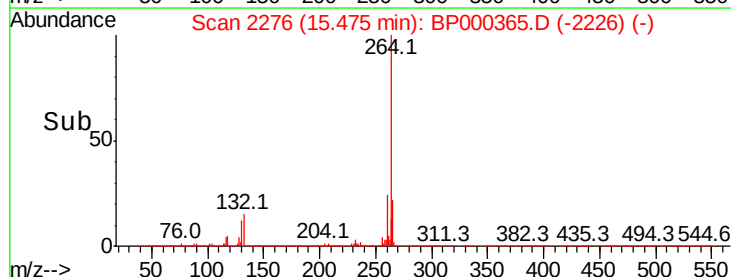
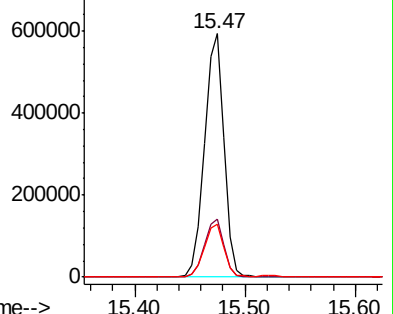
265 21.7 17.2 25.8

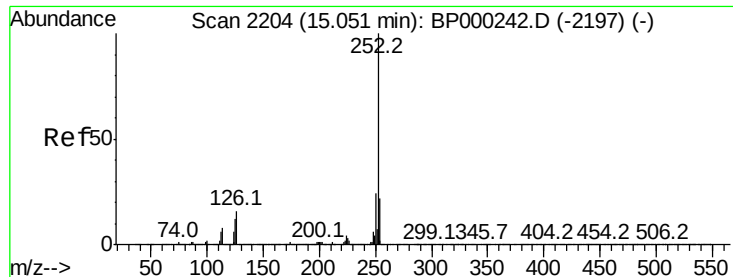


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.521 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000365.D

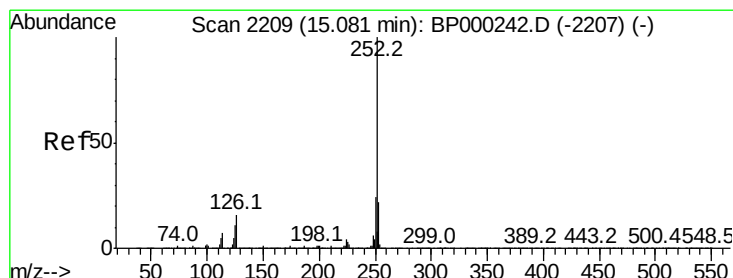
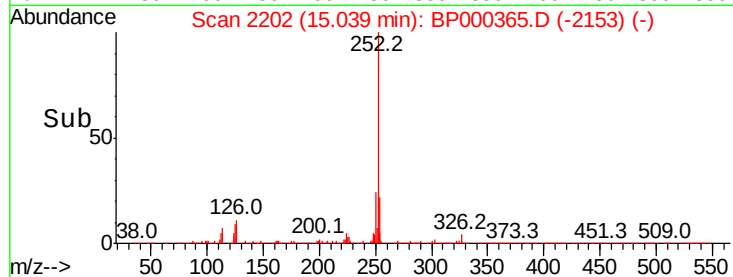
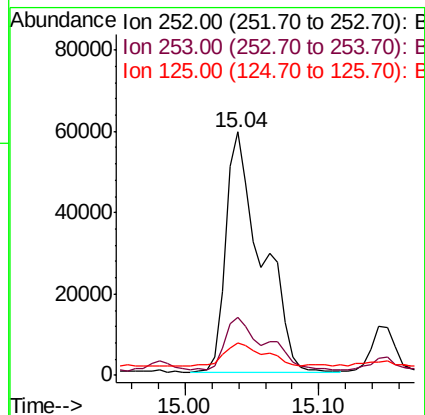
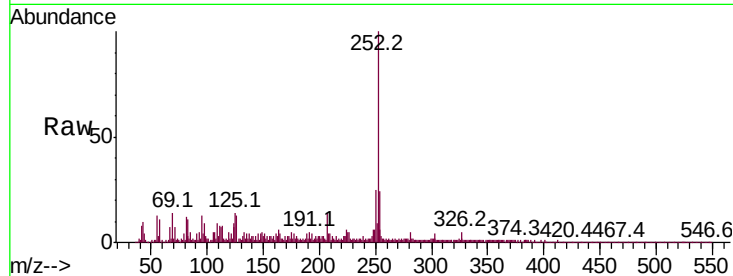
Acq: 20 Sep 2019 19:37

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252	Resp:	110509
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.8 26.6
125	13.5	9.5 14.3



#89

Benzo(k)fluoranthene

Concen: 2.890 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BP000365.D

Acq: 20 Sep 2019 19:37

Tgt Ion:252	Resp:	110509
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.8 26.8
125	13.5	9.6 14.4

