

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\
 Data File : BP000465.D
 Acq On : 27 Sep 2019 18:20
 Operator : JU
 Sample : K5019-02DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 27 23:13:14 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	204528	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	760049	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	195441	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	369959	20.00	ng	0.00
76) Chrysene-d12	14.00	240	346406	20.00	ng	0.00
87) Perylene-d12	15.49	264	387029	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	38661	3.26	ng	0.00
7) Phenol-d6	6.43	99	37719	2.60	ng	0.00
23) Nitrobenzene-d5	7.35	82	19556	1.66	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	5472	2.82	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	23198	2.14	ng	0.00
79) Terphenyl-d14	12.93	244	40241	2.44	ng	0.00

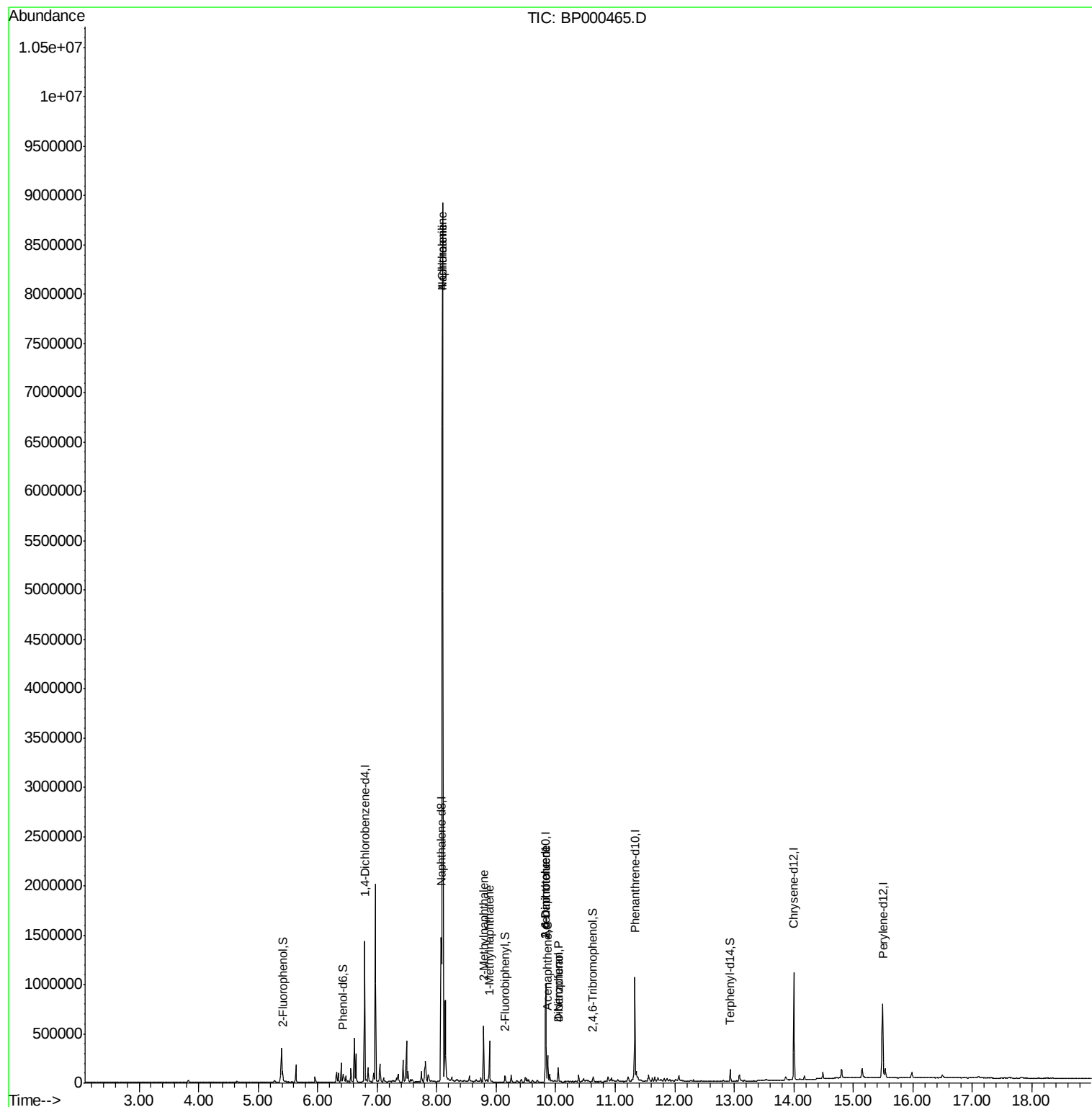
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	3608	Below Cal		# 1
31) Naphthalene	8.10	128	4409749	125.275	ng	98
33) 4-Chloroaniline	8.10	127	628265	39.438	ng	# 36
37) 2-Methylnaphthalene	8.79	142	141728	5.890	ng	98
38) 1-Methylnaphthalene	8.89	142	112906	5.009	ng	99
51) 2,6-Dinitrotoluene	9.83	165	25556	8.729	ng	# 30
52) Acenaphthene	9.86	154	50347	4.680	ng	98
55) Dibenzofuran	10.04	168	58830	3.868	ng	99
56) 4-Nitrophenol	10.04	139	22718	8.988	ng	# 14
57) 2,4-Dinitrotoluene	9.83	165	25556	6.677	ng	# 35
69) Atrazine	11.03	200	22	Below Cal		# 1

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

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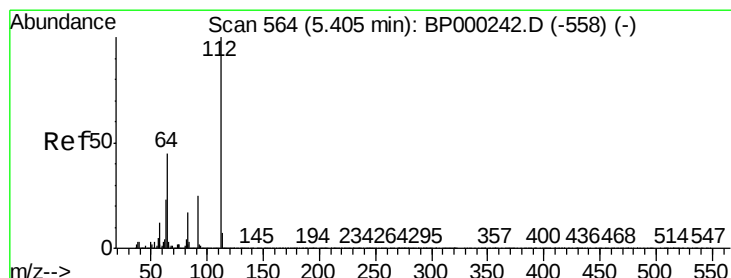
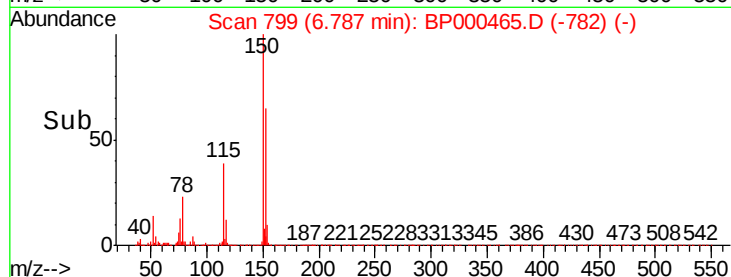
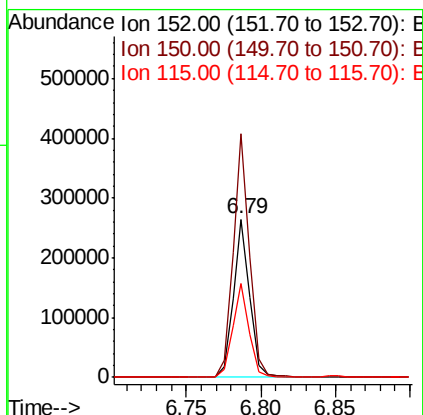
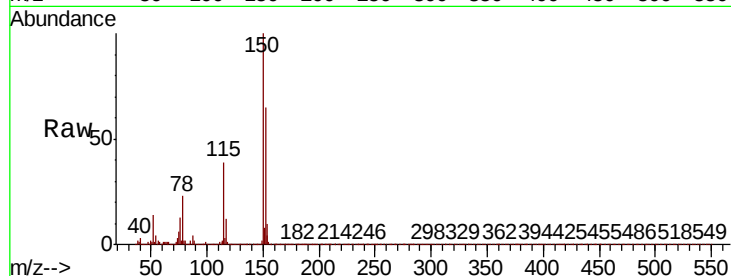


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

Instrument :
BNA_P
ClientSampleId :

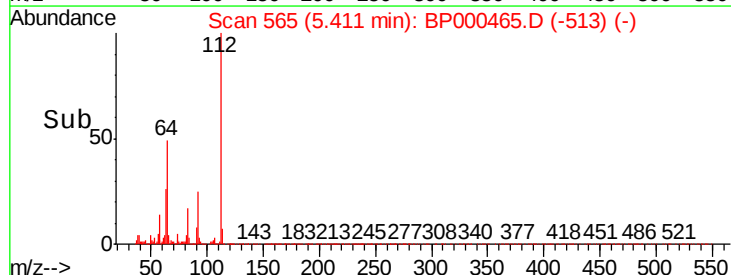
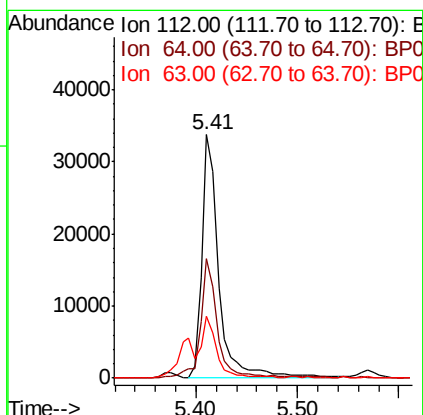
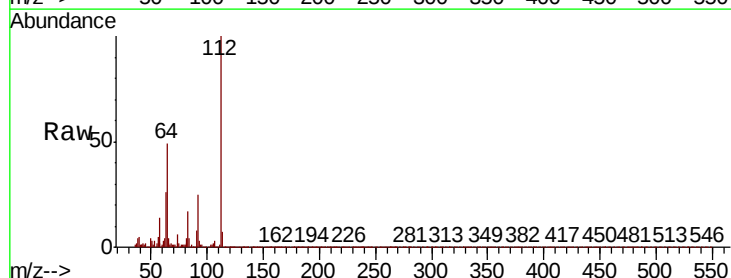
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.2	187.8
115	59.7	49.7	74.5

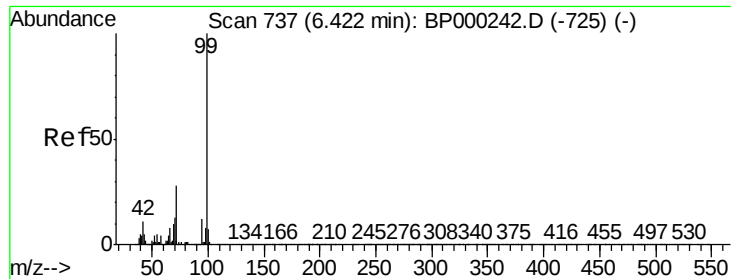


#5

2-Fluorophenol
Concen: 3.263 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.1	36.2	54.4
63	25.6	18.3	27.5





#7

Phenol-d6

Concen: 2.597 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

BNA_P

ClientSampleId :

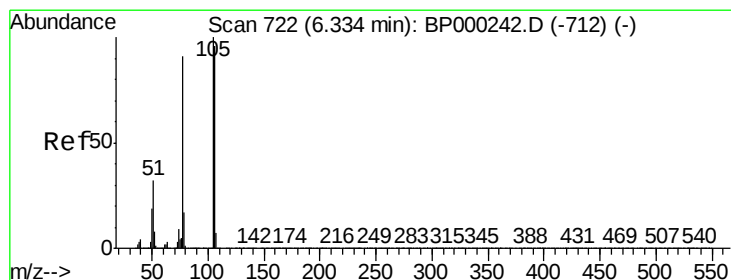
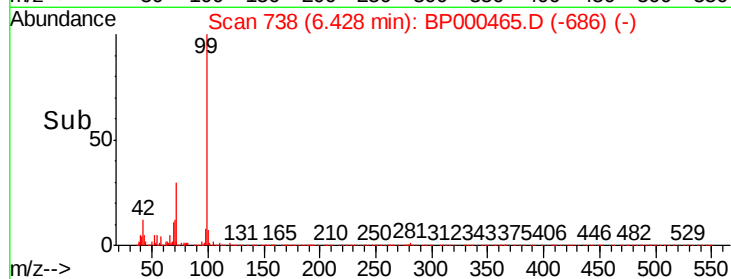
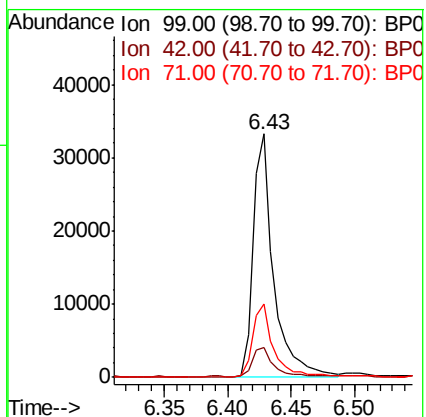
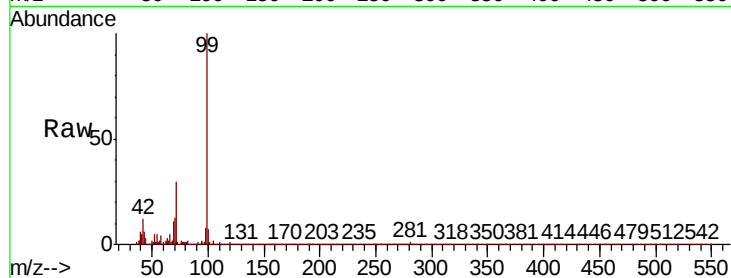
Tot Ion: 99 Resp: 37719

Ion Ratio Lower Upper

99 100

42 12.3 8.5 12.7

71 30.1 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

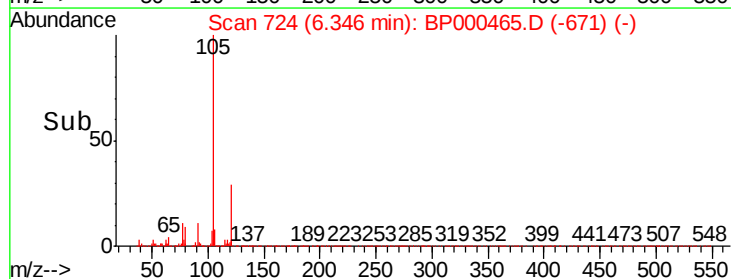
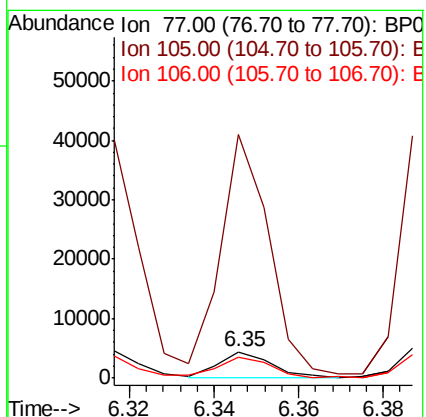
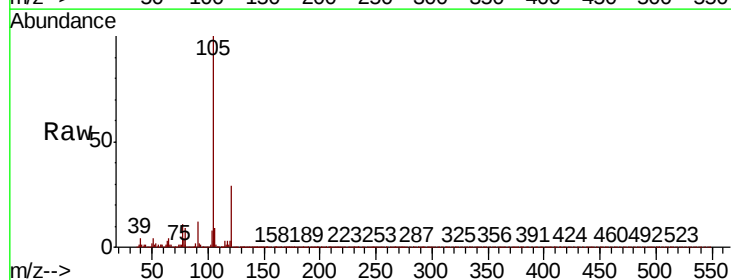
Tgt Ion: 77 Resp: 3608

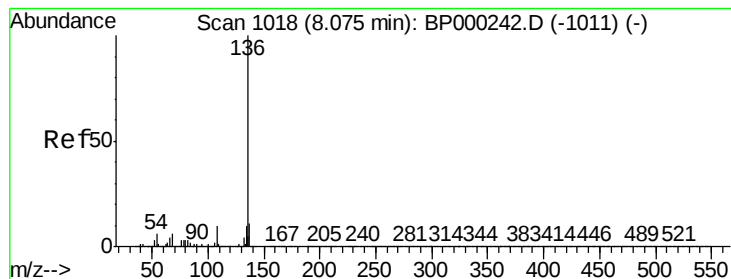
Ion Ratio Lower Upper

77 100

105 921.4 89.6 129.6#

106 79.9 84.6 124.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

BNA_P

ClientSampleId :

Tot Ion:136 Resp: 760049

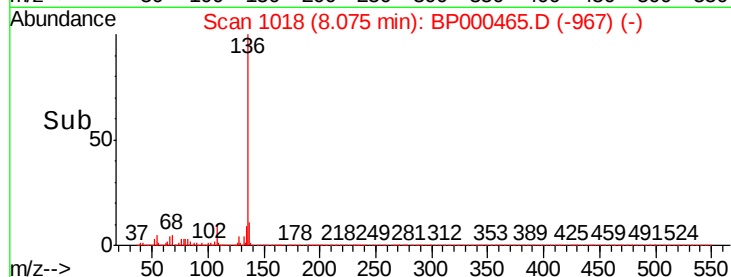
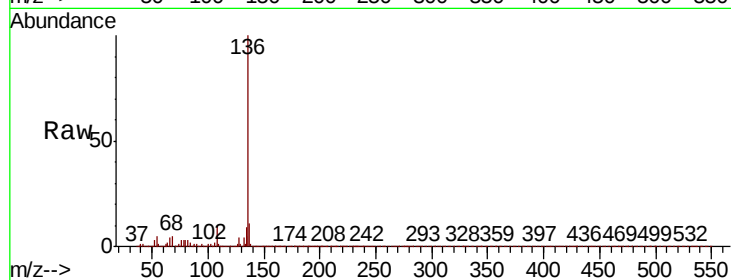
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.3 4.5 6.7

68 5.4 4.5 6.7

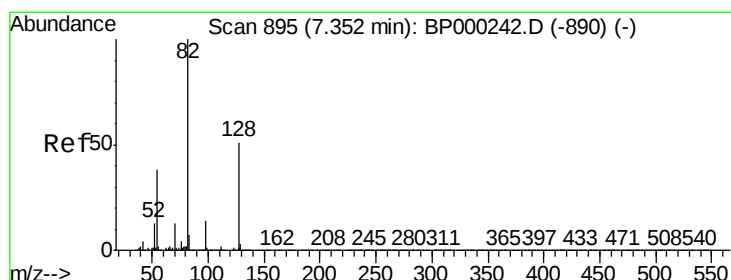
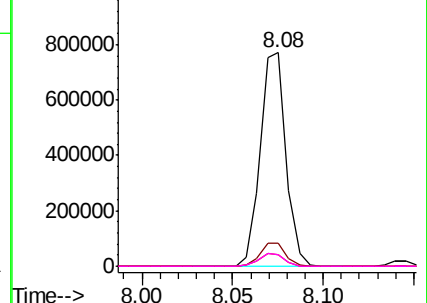


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.660 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

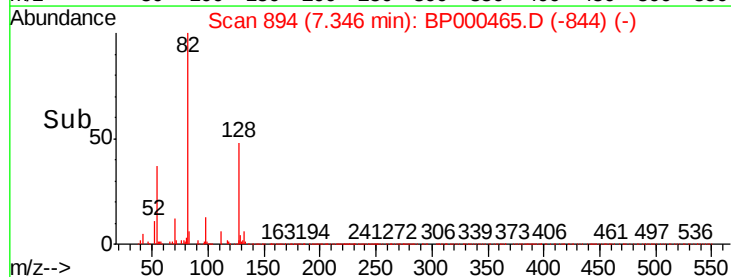
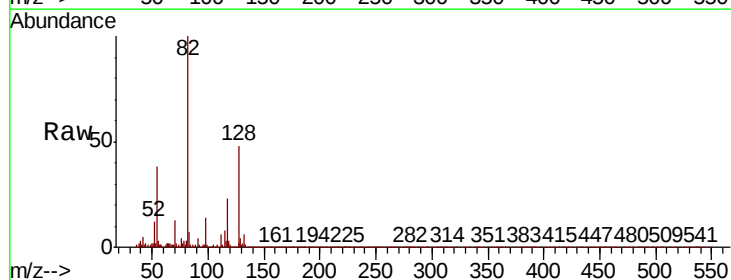
Tgt Ion: 82 Resp: 19556

Ion Ratio Lower Upper

82 100

128 48.4 40.7 61.1

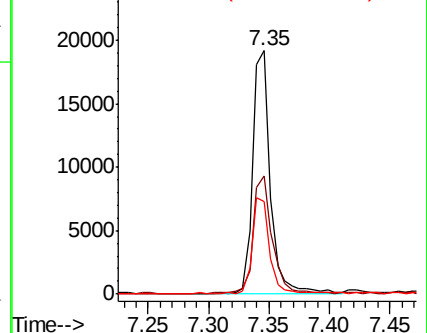
54 37.9 30.1 45.1

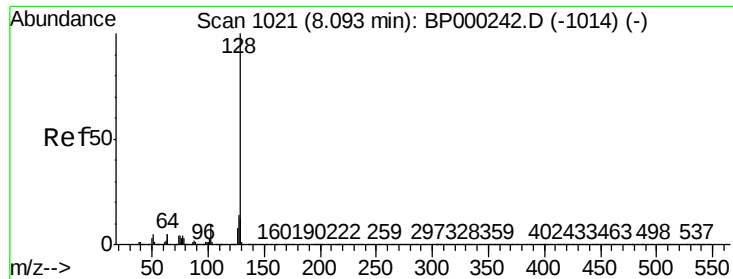


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0

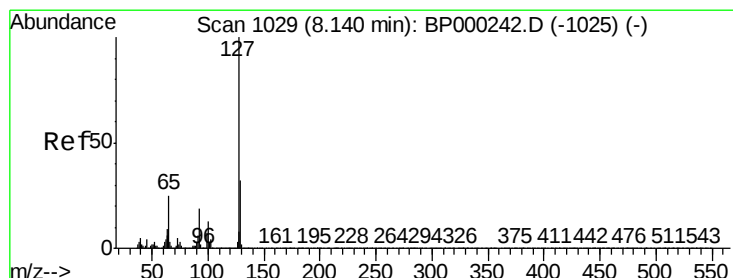
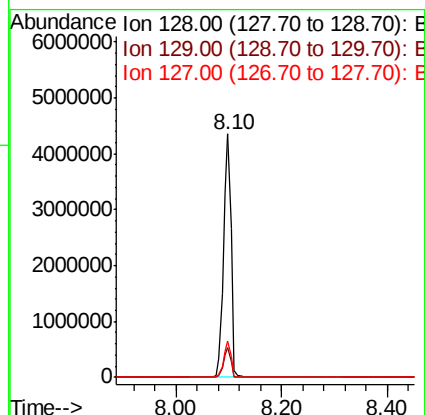
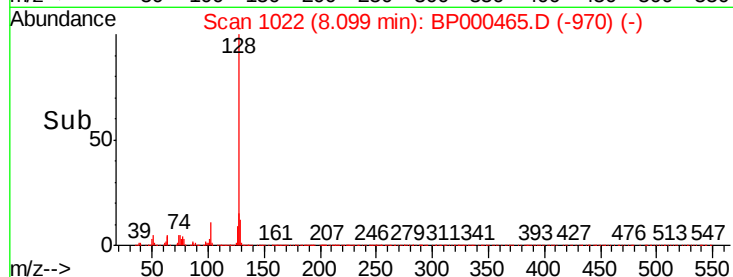
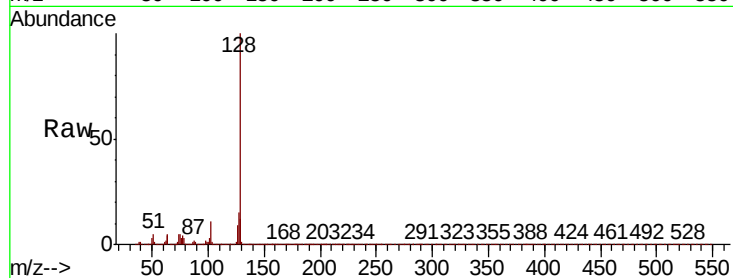




#31
Naphthalene
Concen: 125.275 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

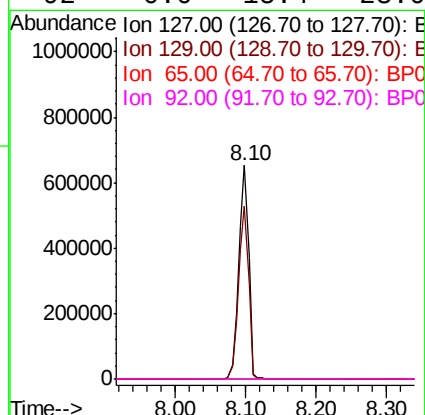
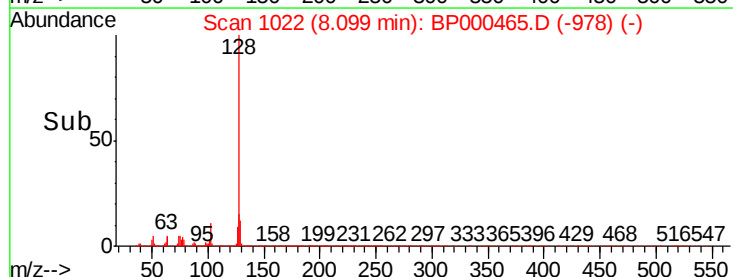
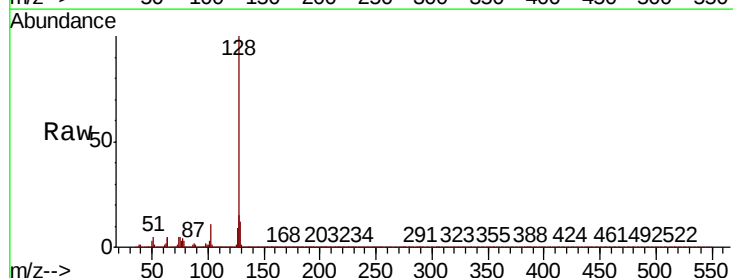
Instrument :
BNA_P
ClientSampleID :

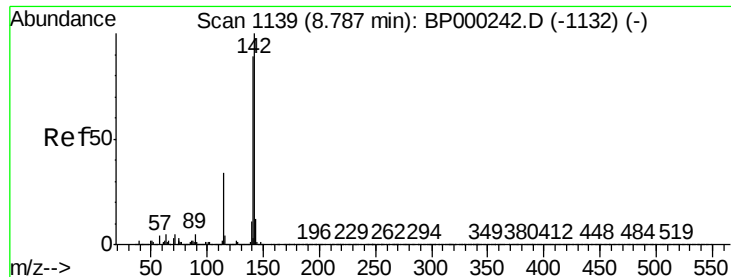
Tot Ion:128 Resp: 4409749
Ion Ratio Lower Upper
128 100
129 12.1 9.2 13.8
127 15.0 11.0 16.6



#33
4-Chloroaniline
Concen: 39.438 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.04 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

Tgt Ion:127 Resp: 628265
Ion Ratio Lower Upper
127 100
129 80.8 25.7 38.5#
65 0.0 19.9 29.9#
92 0.0 15.4 23.0#

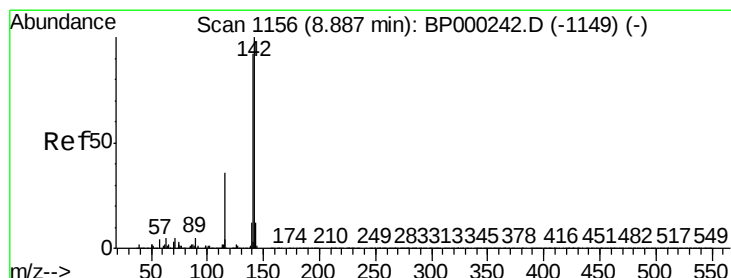
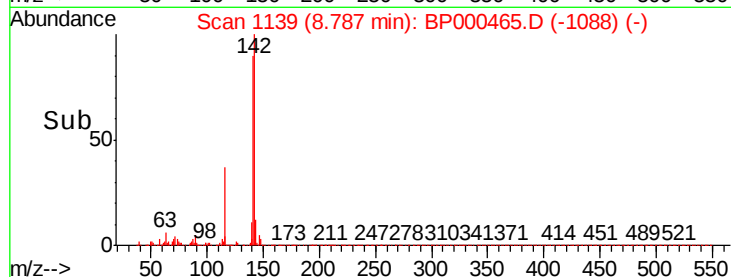
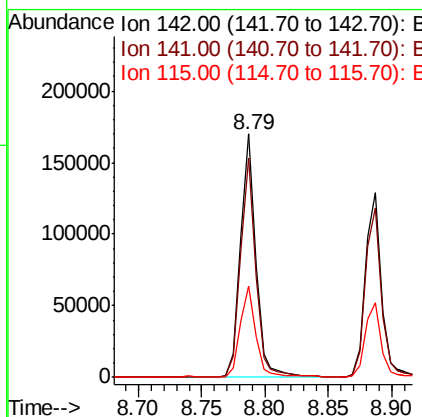
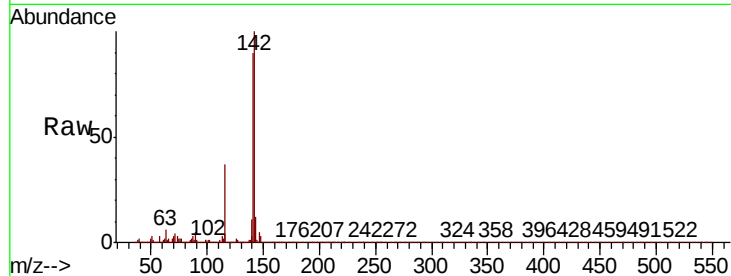




#37
 2-Methylnaphthalene
 Concen: 5.890 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: BP000465.D
 Acq: 27 Sep 2019 18:20

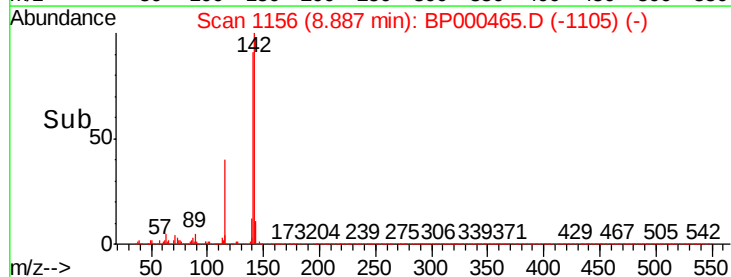
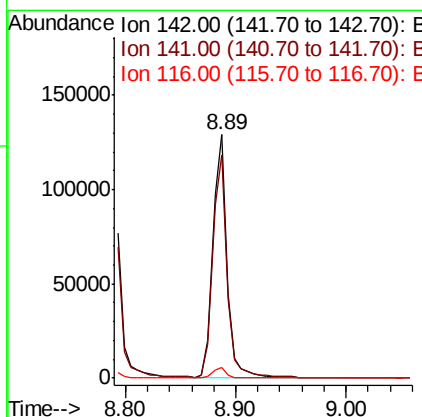
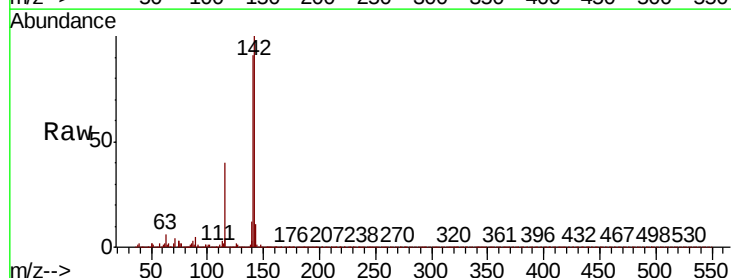
Instrument :
 BNA_P
 ClientSampleId :

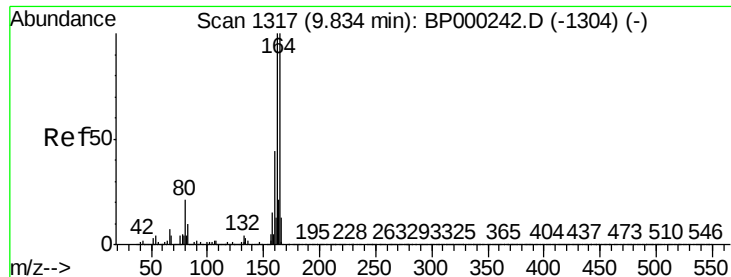
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9
115	37.3	27.2	40.8



#38
 1-Methylnaphthalene
 Concen: 5.009 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BP000465.D
 Acq: 27 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.9	110.9
116	4.4	3.0	4.6

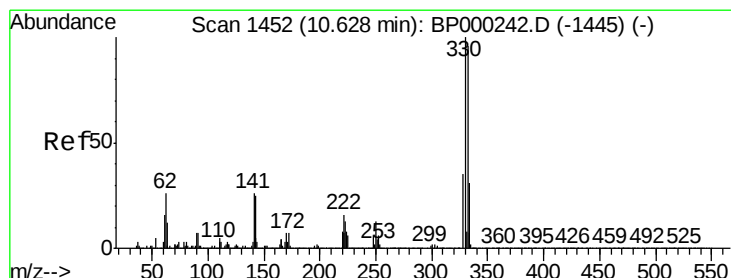
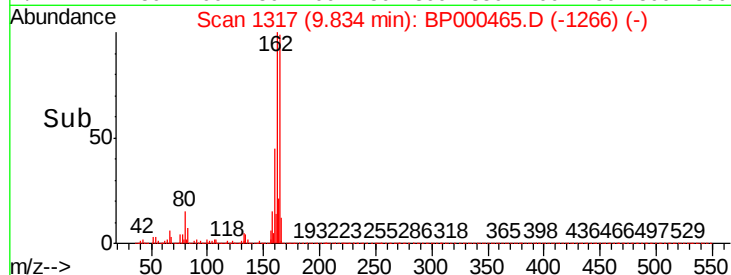
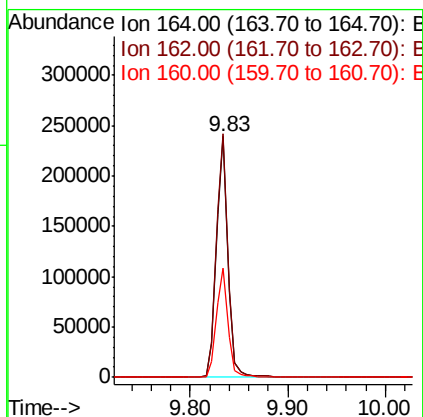
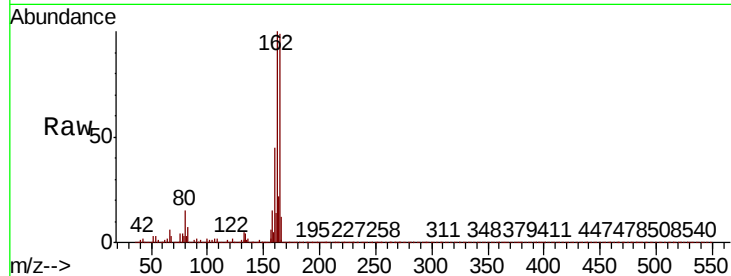




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

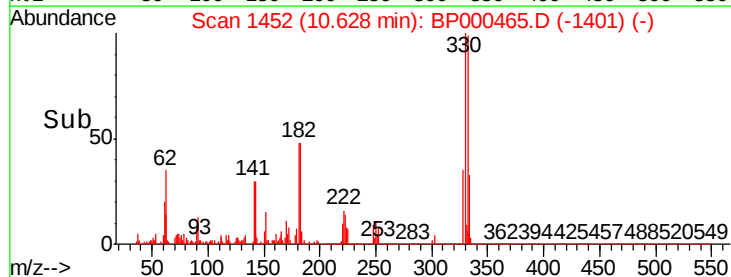
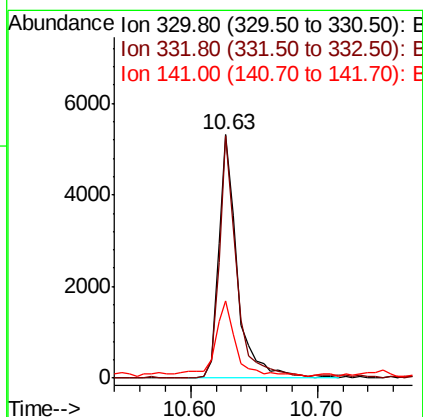
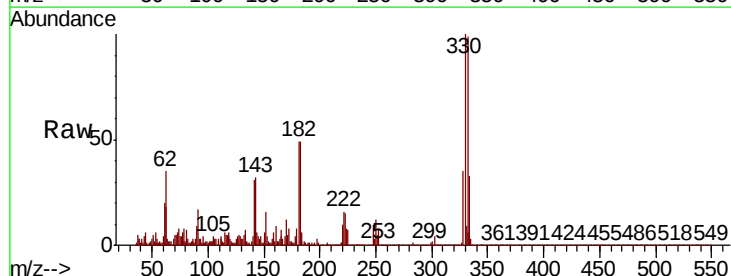
Instrument :
BNA_P
ClientSampleId :

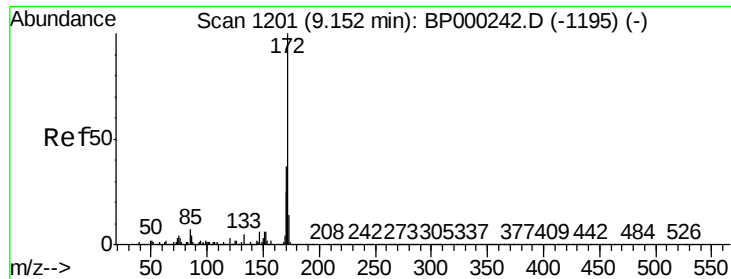
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.9	119.9
160	45.6	35.6	53.4



#42
2,4,6-Tribromophenol
Concen: 2.823 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.6	76.6	115.0
141	34.9	26.5	39.7

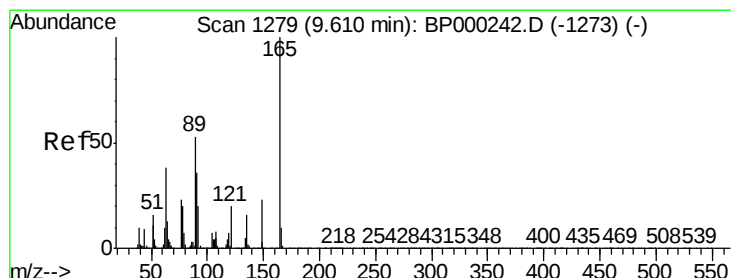
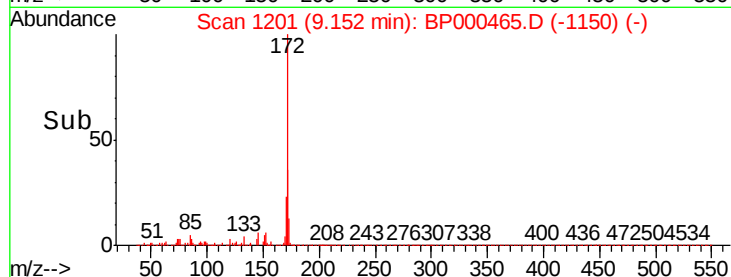
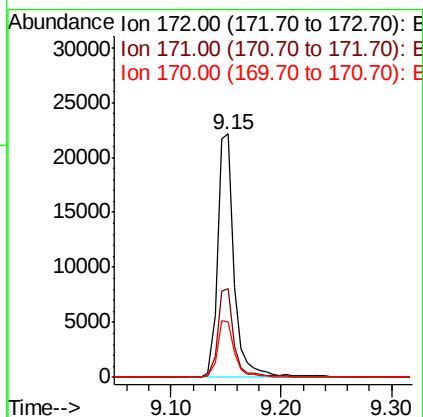
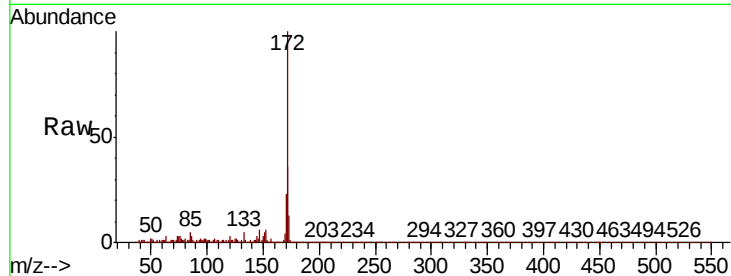




#45
2-Fluorobiphenyl
Concen: 2.136 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

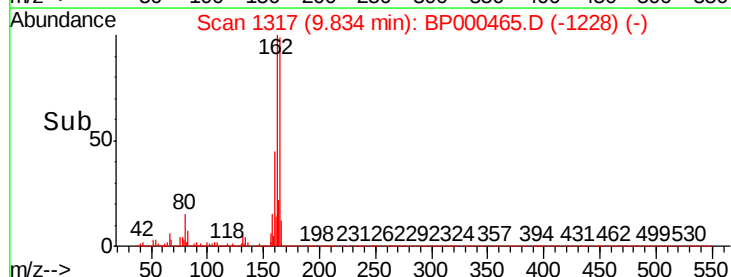
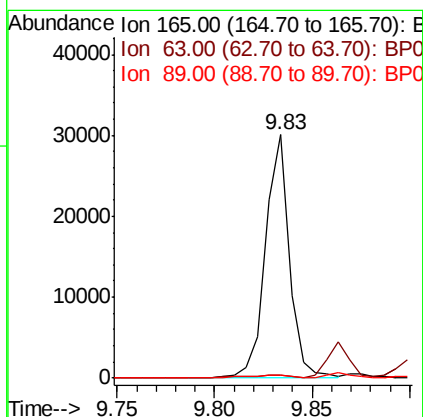
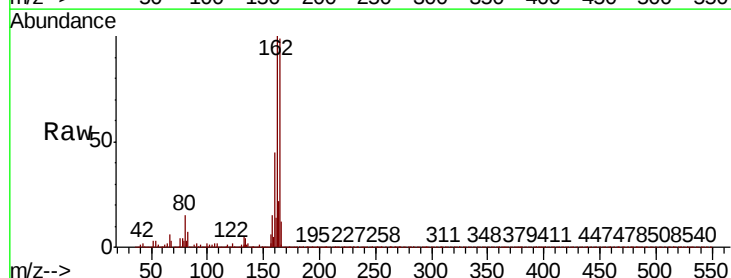
Instrument :
BNA_P
ClientSampleId :

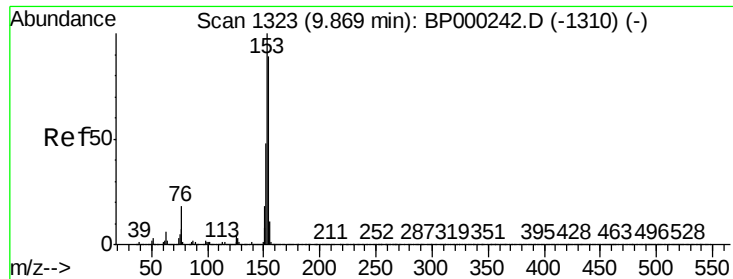
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	23.0	19.8	29.6



#51
2,6-Dinitrotoluene
Concen: 8.729 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BP000465.D
Acq: 27 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.8	53.8#
89	1.2	42.6	63.8#





#52

Acenaphthene

Concen: 4.680 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

BNA_P

ClientSampleId :

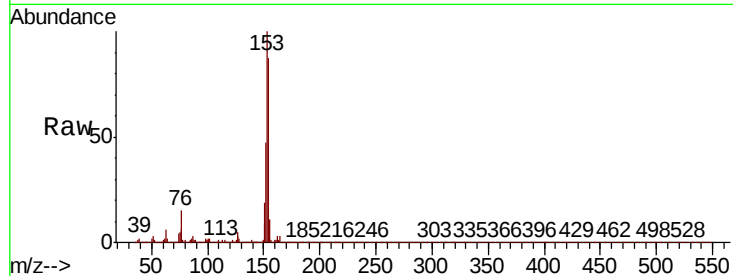
Tot Ion:154 Resp: 50347

Ion Ratio Lower Upper

154 100

153 115.1 89.8 134.6

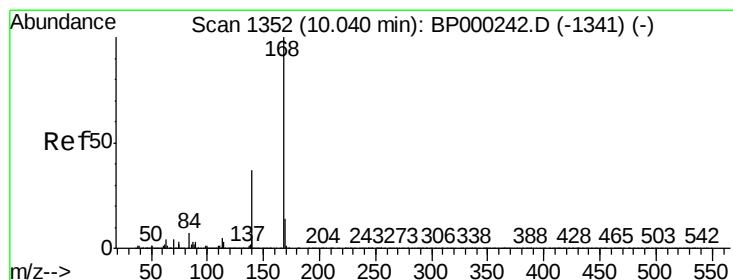
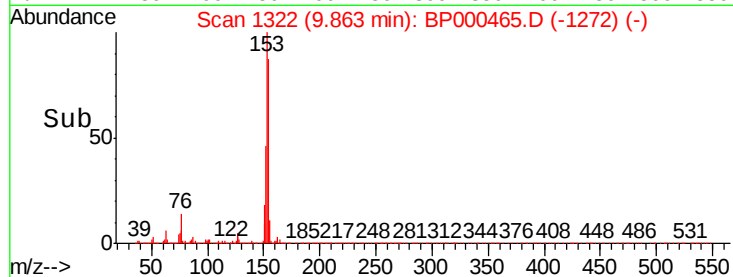
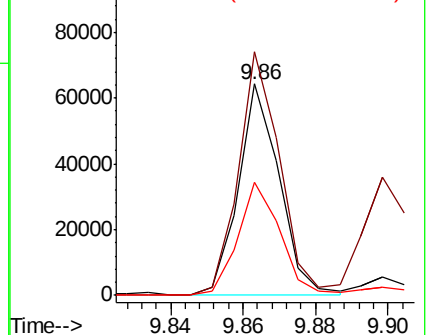
152 53.5 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.868 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

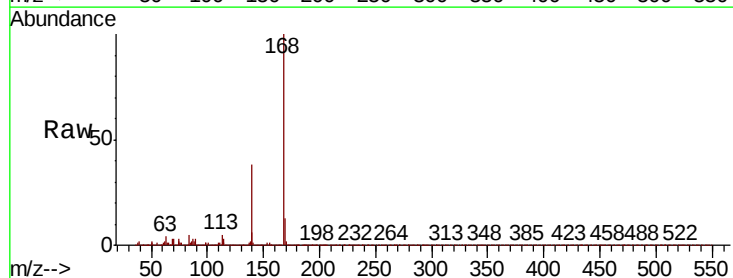
Tgt Ion:168 Resp: 58830

Ion Ratio Lower Upper

168 100

139 38.1 30.0 45.0

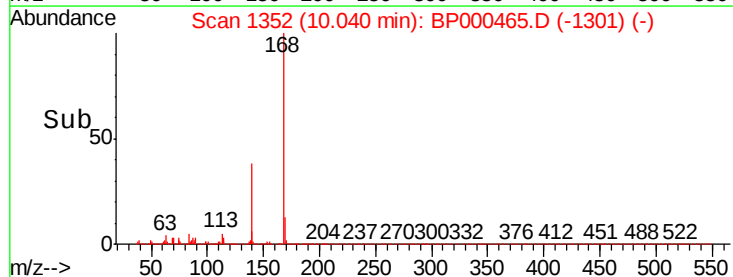
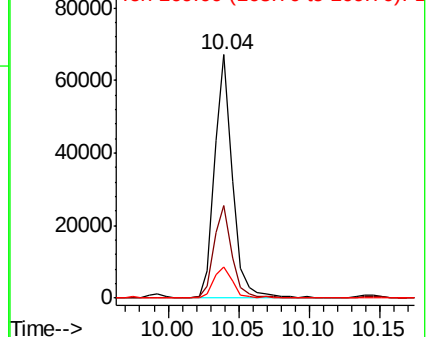
169 12.8 11.0 16.6

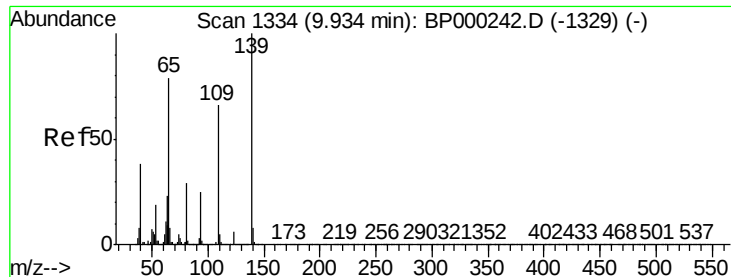


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 8.988 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.11 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

BNA_P

ClientSampleId :

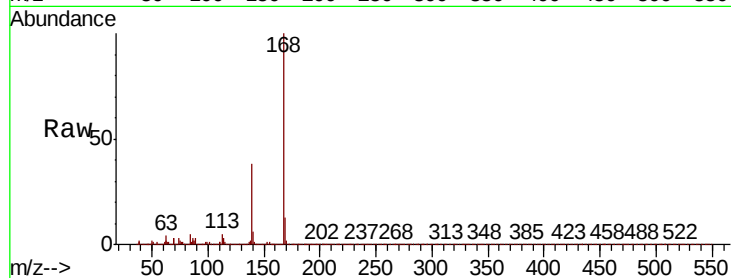
Tot Ion:139 Resp: 22718

Ion Ratio Lower Upper

139 100

109 0.9 46.2 86.2#

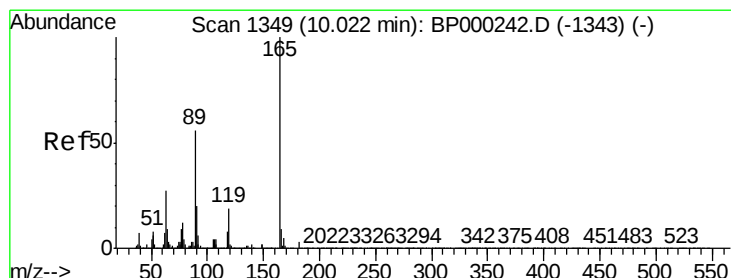
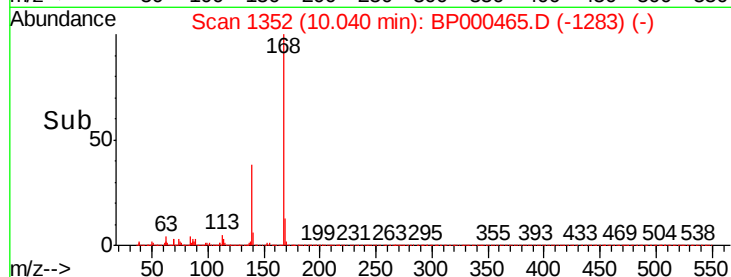
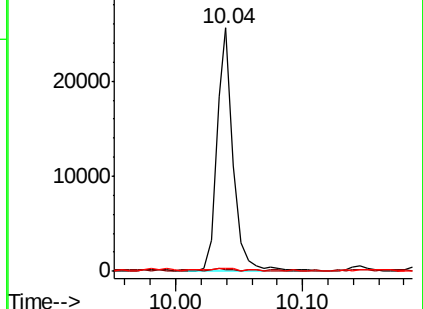
65 1.4 59.4 99.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0



#57

2,4-Dinitrotoluene

Concen: 6.677 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Tgt Ion:165 Resp: 25556

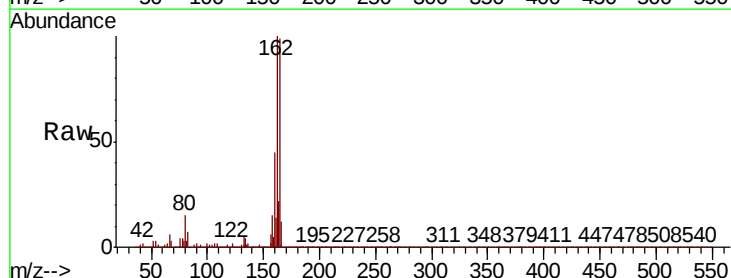
Ion Ratio Lower Upper

165 100

63 1.1 21.7 32.5#

89 1.2 45.0 67.6#

182 0.1 2.4 3.6#

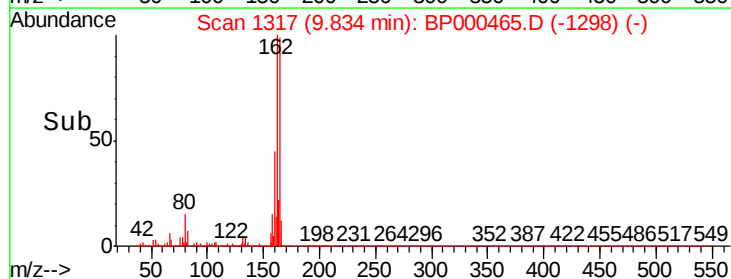
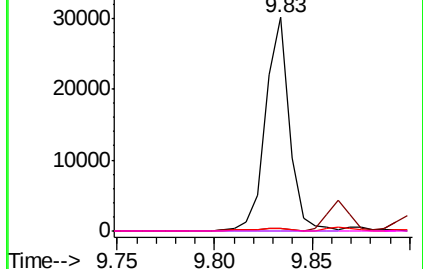


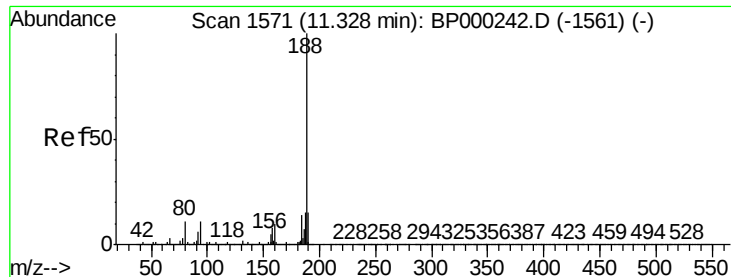
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

Instrument :

BNA_P

ClientSampleId :

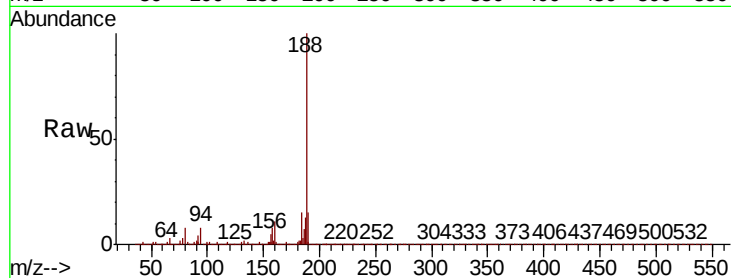
Tot Ion:188 Resp: 369959

Ion Ratio Lower Upper

188 100

94 8.0 8.5 12.7#

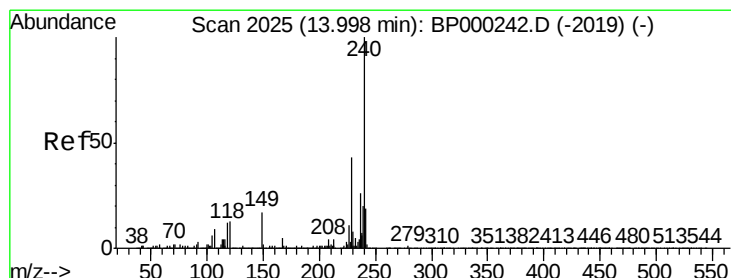
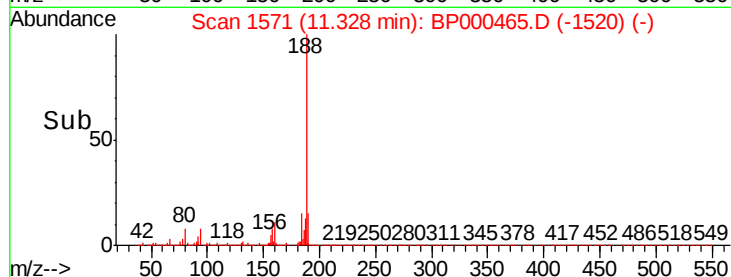
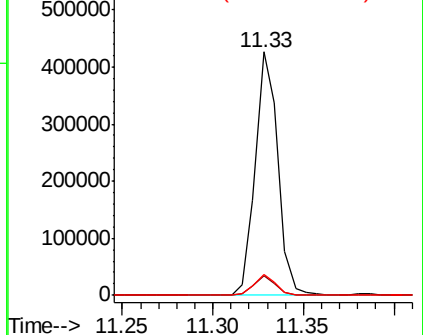
80 8.5 8.6 13.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BP000465.D

Acq: 27 Sep 2019 18:20

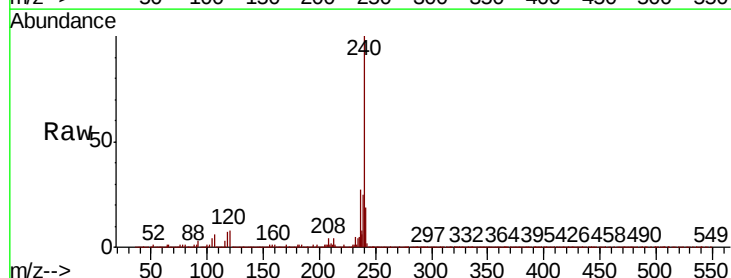
Tgt Ion:240 Resp: 346406

Ion Ratio Lower Upper

240 100

120 8.1 10.4 15.6#

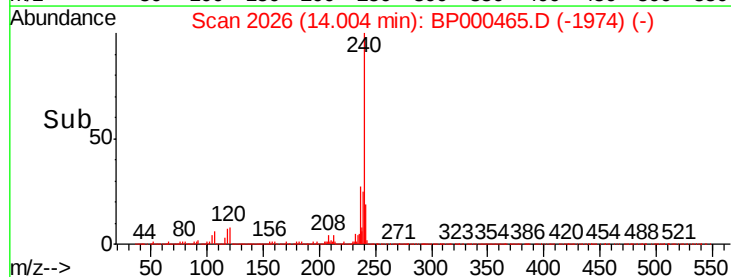
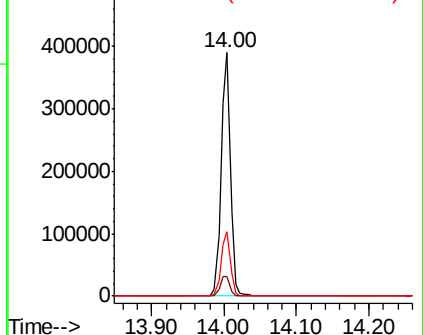
236 26.6 21.0 31.6

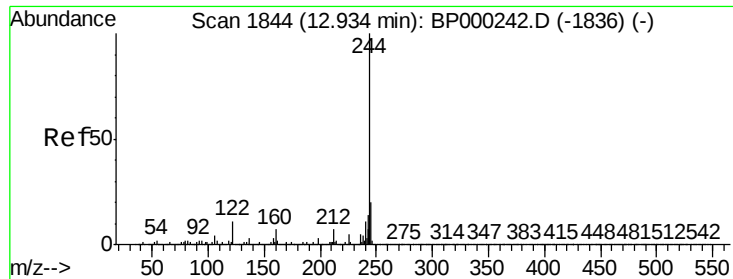


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

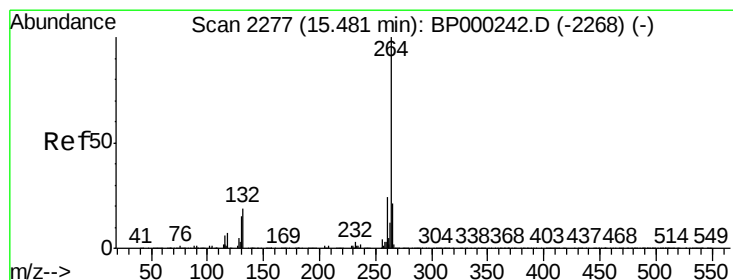
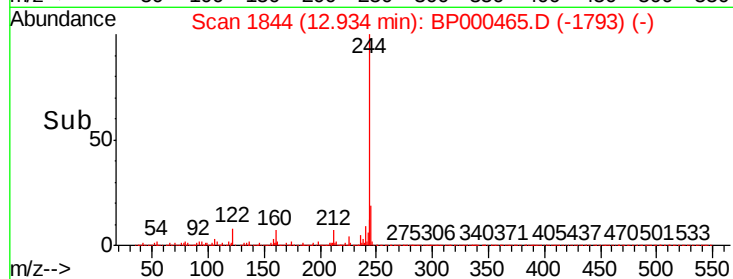
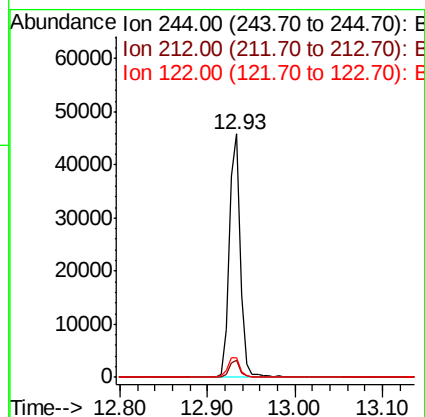
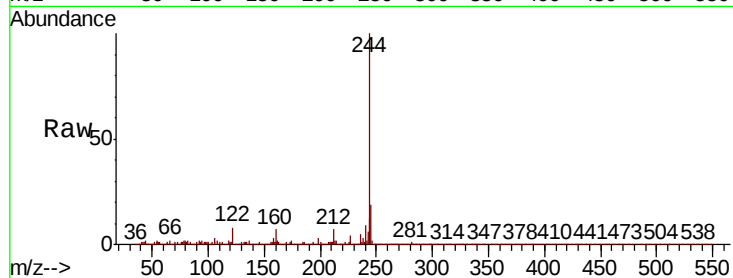




#79
 Terphenyl-d14
 Concen: 2.437 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BP000465.D
 Acq: 27 Sep 2019 18:20

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:244 Resp: 40241
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 8.3 9.0 13.4#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BP000465.D
 Acq: 27 Sep 2019 18:20

Tgt Ion:264 Resp: 387029
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.2 17.2 25.8

