

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000324.D
 Acq On : 19 Sep 2019 12:53
 Operator : HP/JU
 Sample : K4878-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 02:04:59 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	215755	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	791726	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	449722	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	852013	20.00	ng	0.00
76) Chrysene-d12	13.99	240	757346	20.00	ng	0.00
87) Perylene-d12	15.47	264	831302	20.00	ng	0.00

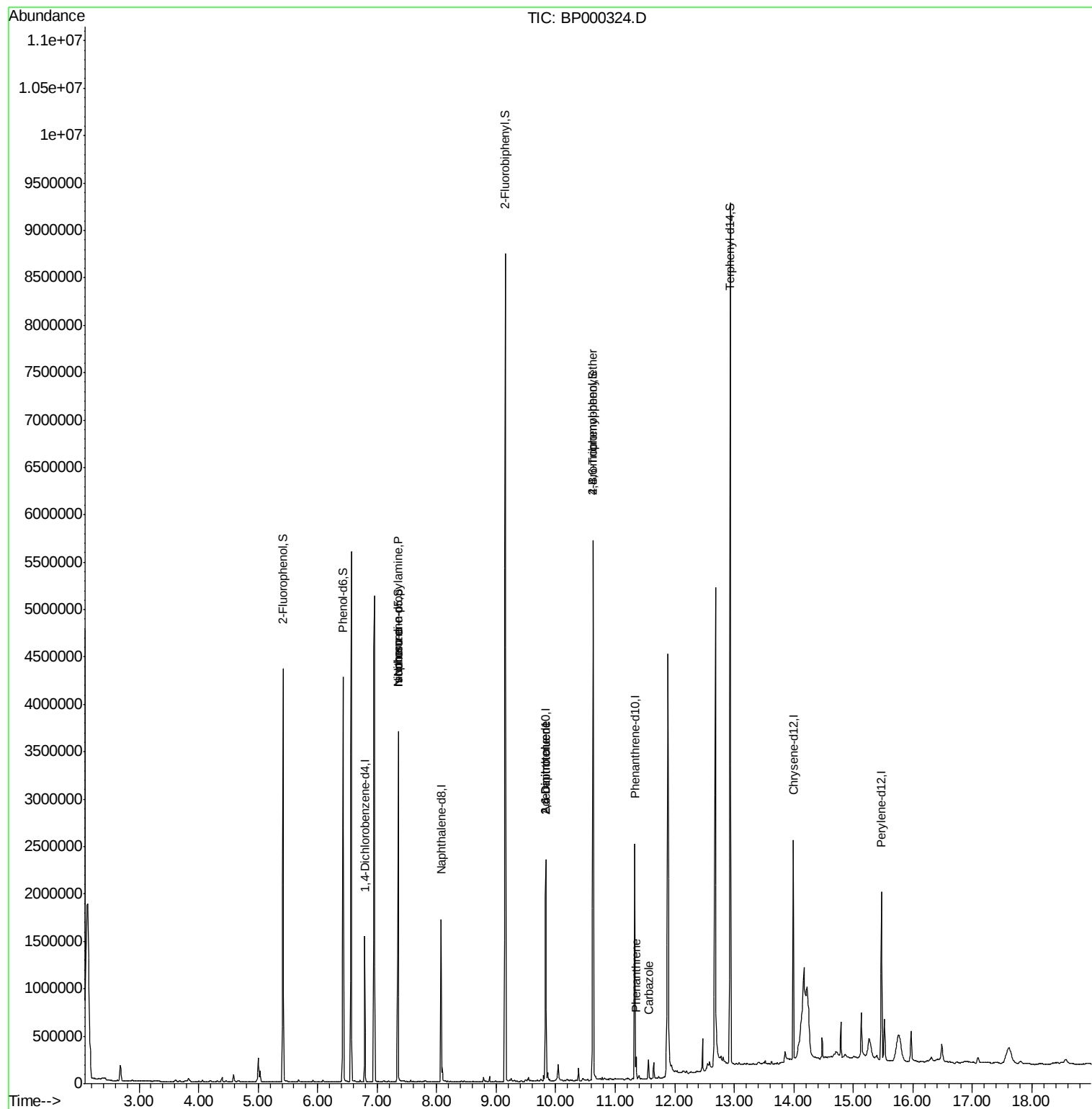
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1460717	116.88	ng	0.02
7) Phenol-d6	6.43	99	1695785	110.69	ng	0.00
23) Nitrobenzene-d5	7.35	82	1176829	95.90	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	766940	171.94	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2600606	104.08	ng	0.00
79) Terphenyl-d14	12.93	244	3285408	91.01	ng	0.00

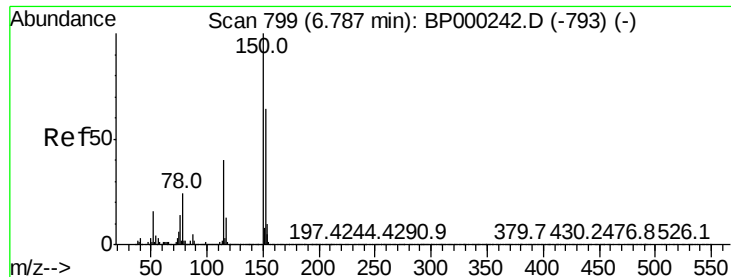
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	2605	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.35	70	145247	17.932	ng	75
25) Isophorone	7.35	82	1175281	48.368	ng	63
51) 2,6-Dinitrotoluene	9.83	165	58114	8.626	ng	30
57) 2,4-Dinitrotoluene	9.83	165	58114	6.598	ng	35
67) 4-Bromophenyl-phenylether	10.63	248	52170	5.415	ng	1
69) Atrazine	11.02	200	91	Below Cal	#	20
71) Phenanthrene	11.35	178	90891	2.129	ng	98
73) Carbazole	11.56	167	87111	2.201	ng	96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
Data File : BP000324.D
Acq On : 19 Sep 2019 12:53
Operator : HP/JU
Sample : K4878-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 02:04:59 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

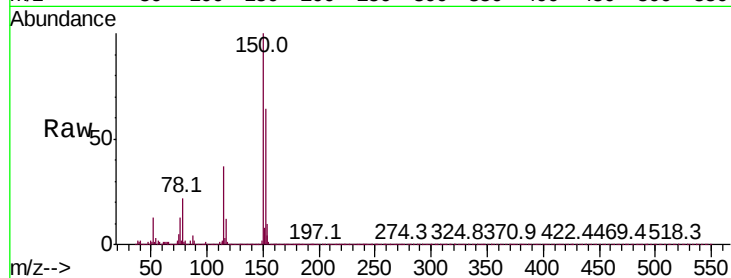




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000324.D
Acq: 19 Sep 2019 12:53

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.2	187.8
115	58.3	49.7	74.5

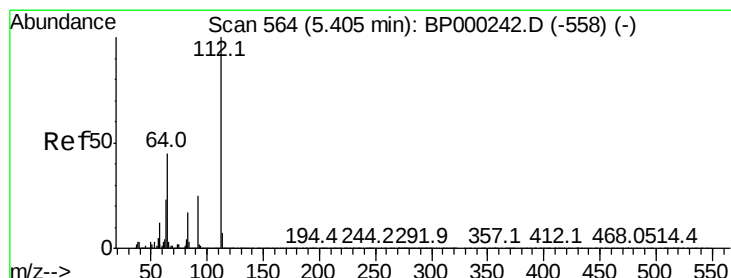
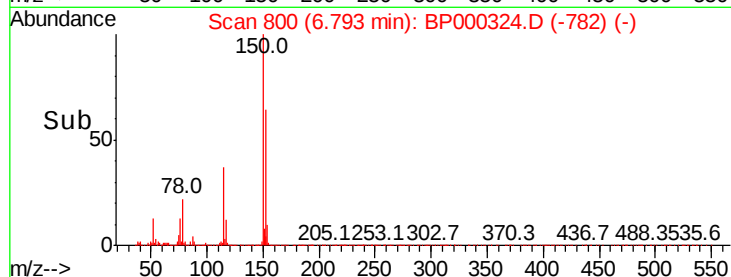
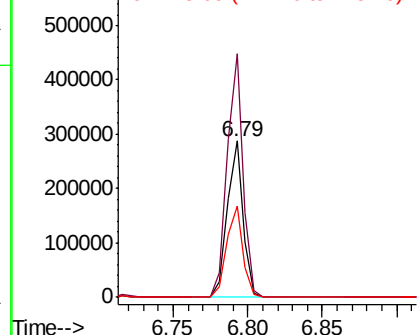


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

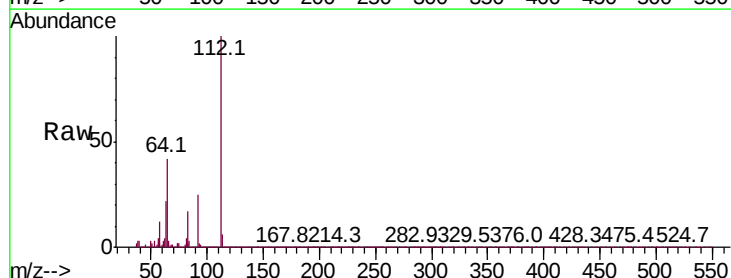
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.878 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000324.D
Acq: 19 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.7	36.2	54.4
63	21.9	18.3	27.5

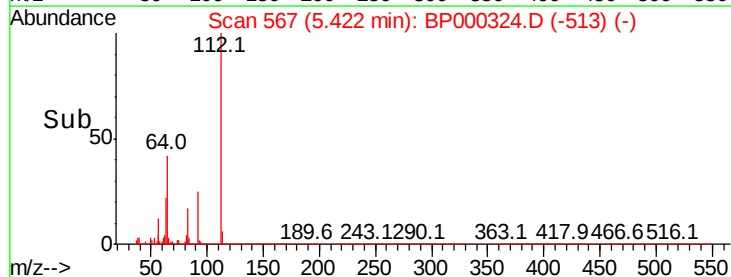
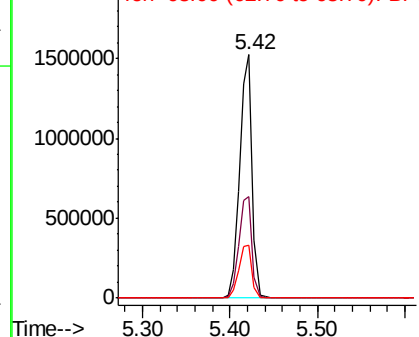


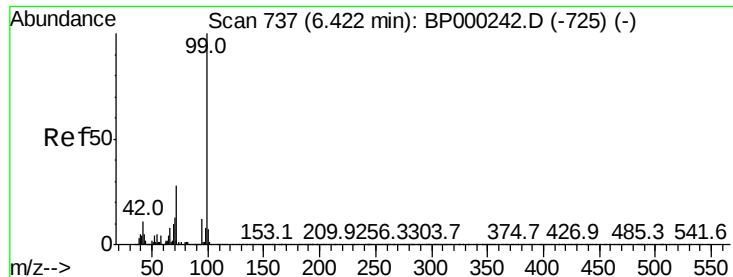
Abundance

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: 110.694 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

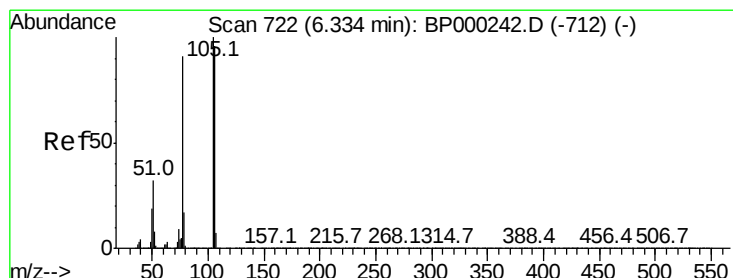
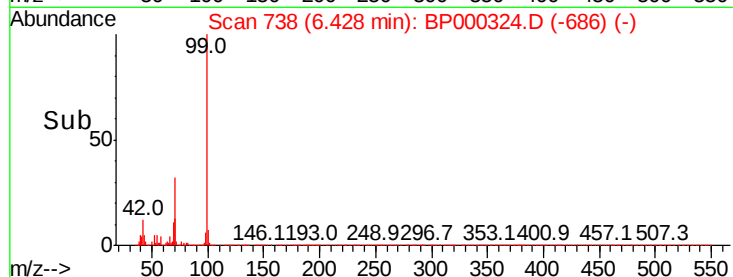
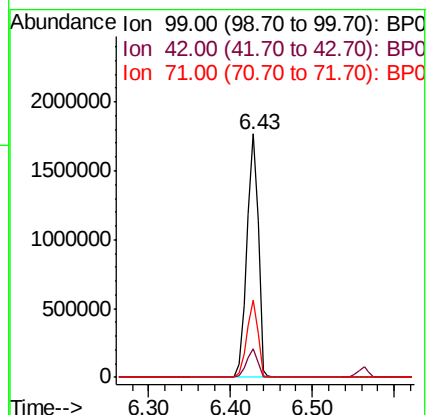
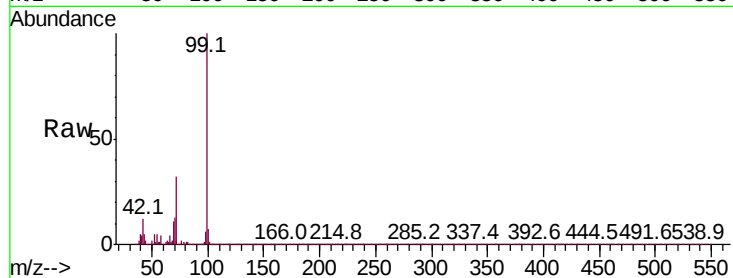
Tot Ion: 99 Resp: 1695785

Ion Ratio Lower Upper

99 100

42 11.6 8.5 12.7

71 31.6 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.43 min Scan# 738

Delta R.T. 0.09 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

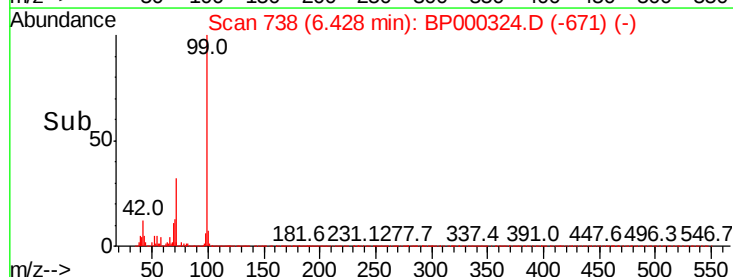
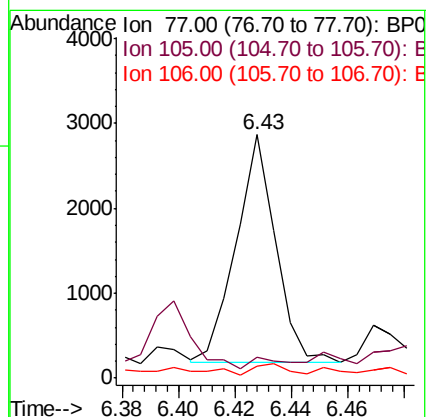
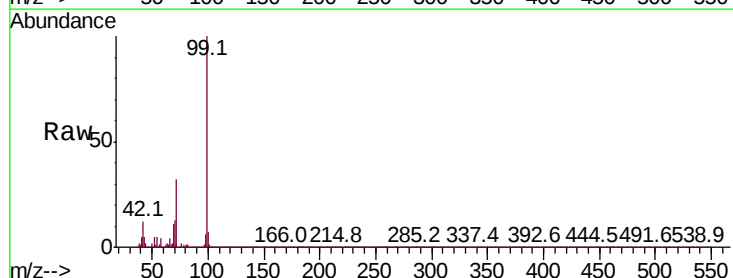
Tgt Ion: 77 Resp: 2605

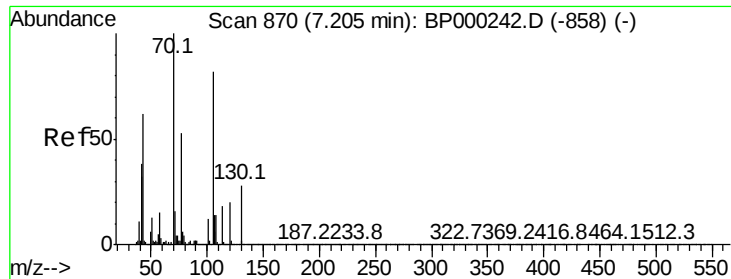
Ion Ratio Lower Upper

77 100

105 8.4 89.6 129.6#

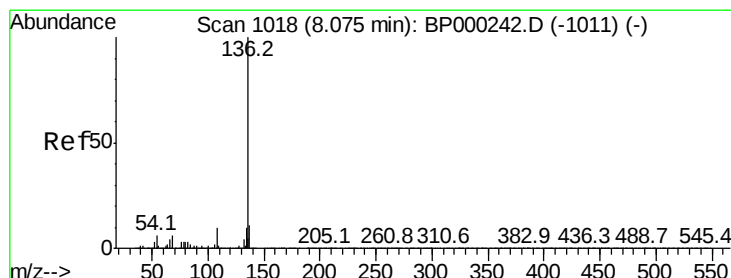
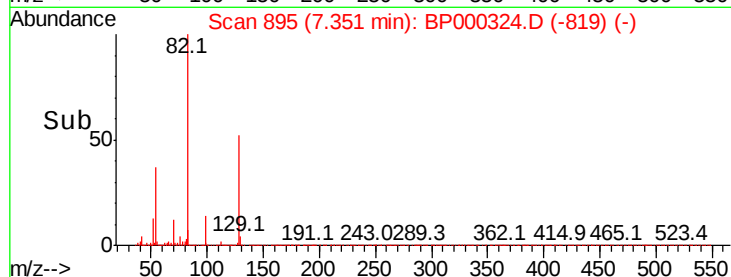
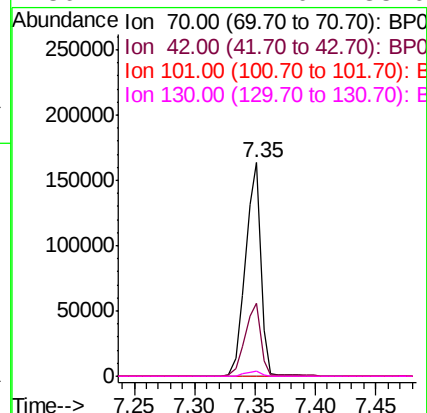
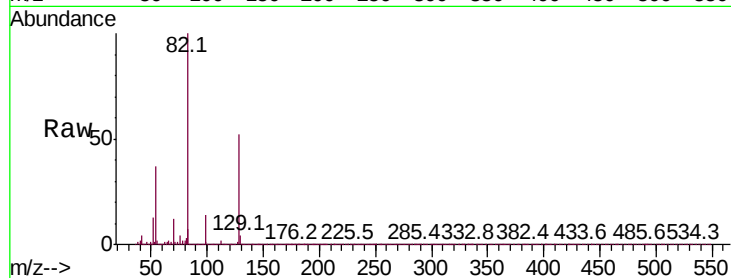
106 5.0 84.6 124.6#





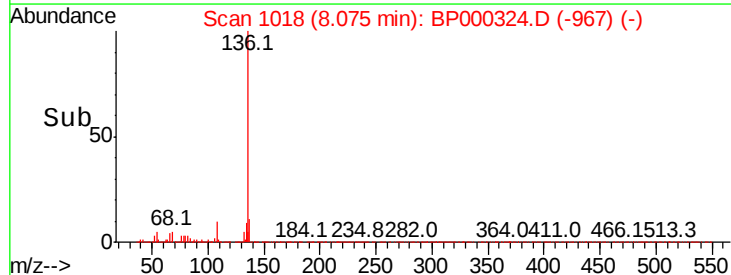
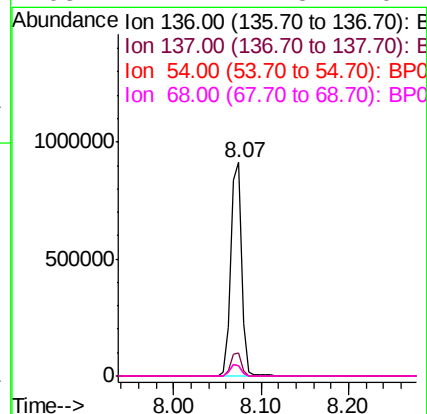
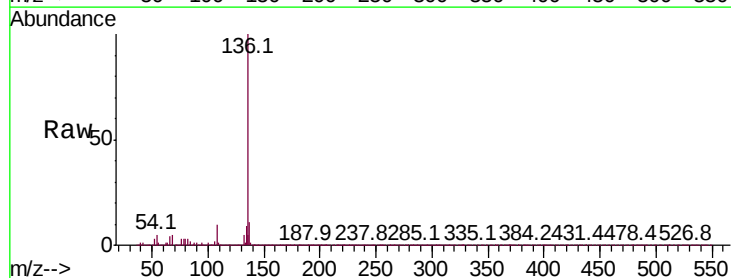
#19
n-Nitroso-di-n-propylamine
Concen: 17.932 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.15 min
Lab File: BP000324.D
Acq: 19 Sep 2019 12:53

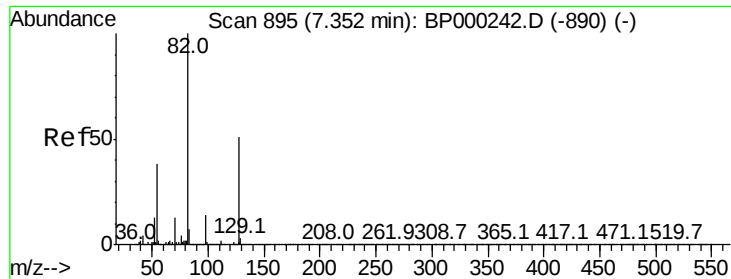
Tot Ion:	70	Resp:	145247
Ion	Ratio	Lower	Upper
70	100		
42	34.4	30.7	46.1
101	0.0	9.6	14.4#
130	2.7	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000324.D
Acq: 19 Sep 2019 12:53

Tgt Ion:	136	Resp:	791726
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	5.0	4.5	6.7
68	4.7	4.5	6.7





#23

Nitrobenzene-d5

Concen: 95.902 ng

RT: 7.35 min Scan# 895

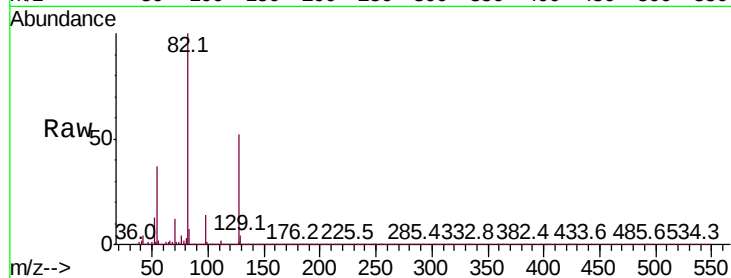
Delta R.T. -0.00 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

Tot Ion: 82 Resp: 1176829

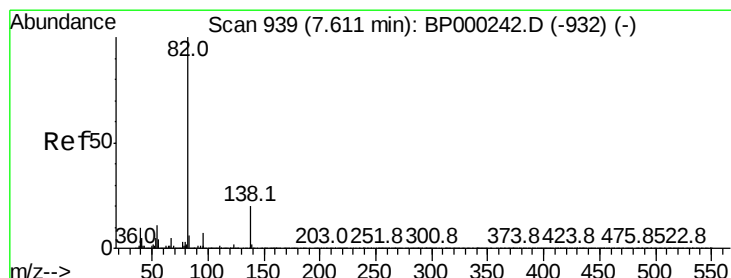
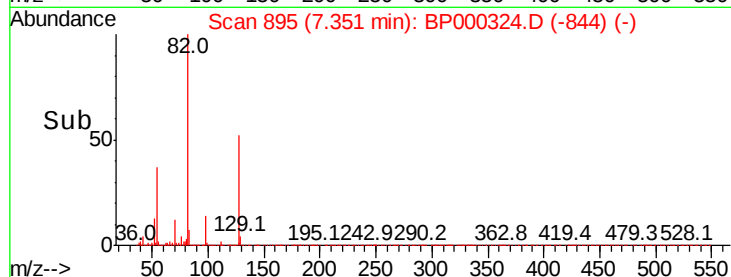
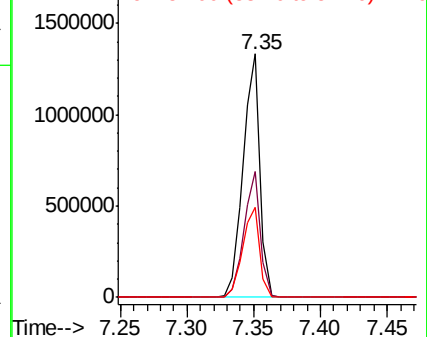
Ion	Ratio	Lower	Upper
82	100		
128	51.8	40.7	61.1
54	36.9	30.1	45.1



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



#25

Isophorone

Concen: 48.368 ng

RT: 7.35 min Scan# 895

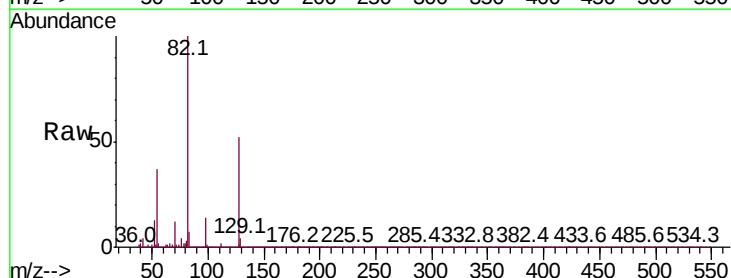
Delta R.T. -0.26 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

Tgt Ion: 82 Resp: 1175281

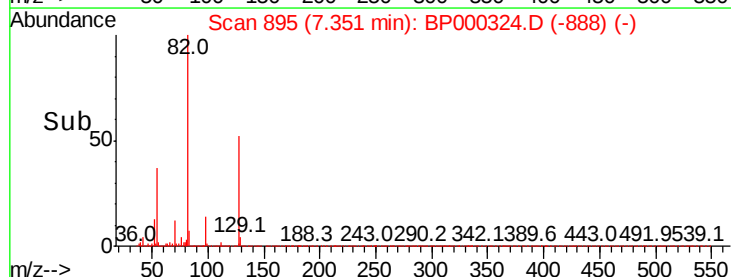
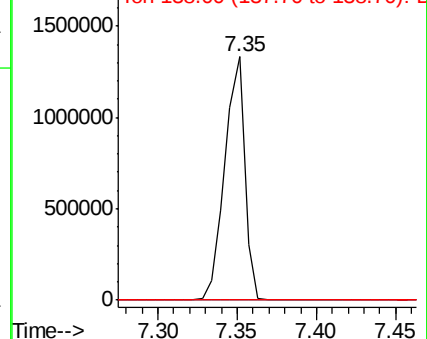
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	15.9	23.9#

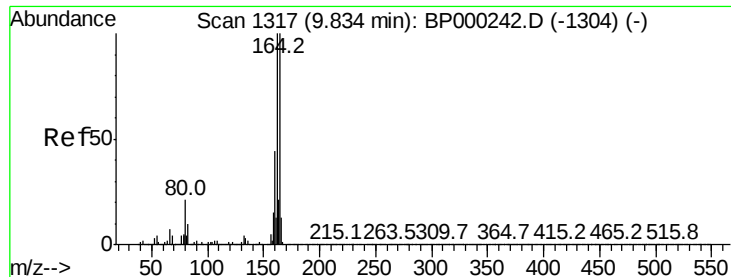


Abundance Ion 82.00 (81.70 to 82.70): BP0

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: BP000324.D

Acq: 19 Sep 2019 12:53

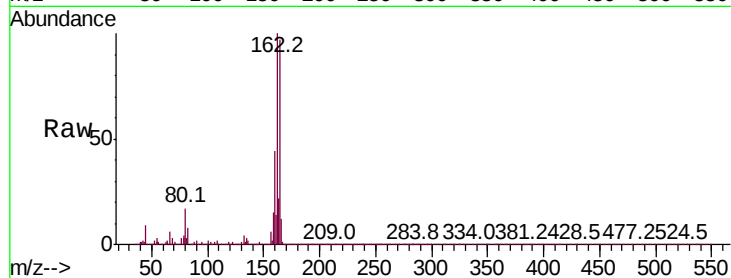
Tot Ion:164 Resp: 449722

Ion Ratio Lower Upper

164 100

162 103.0 79.9 119.9

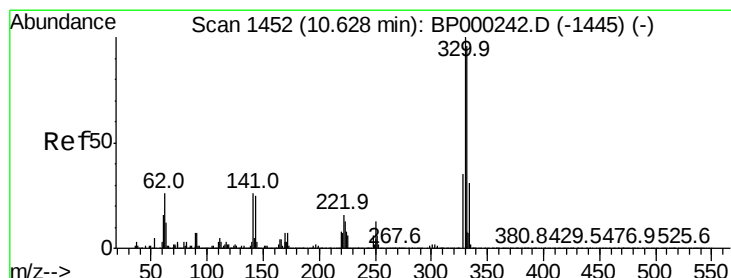
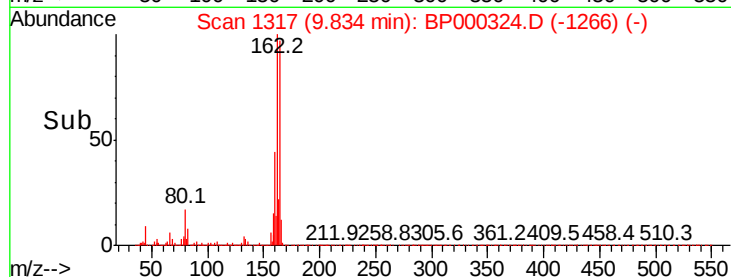
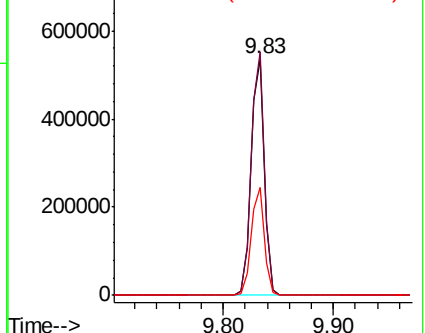
160 45.5 35.6 53.4



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: 171.935 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

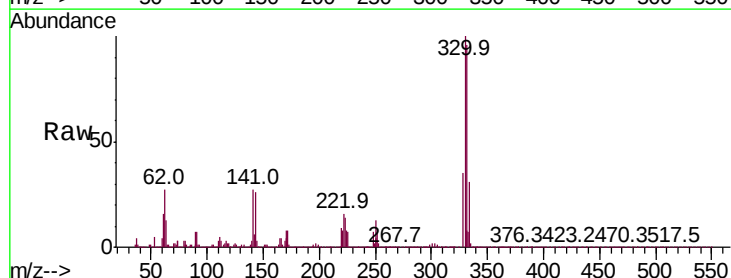
Tgt Ion:330 Resp: 766940

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

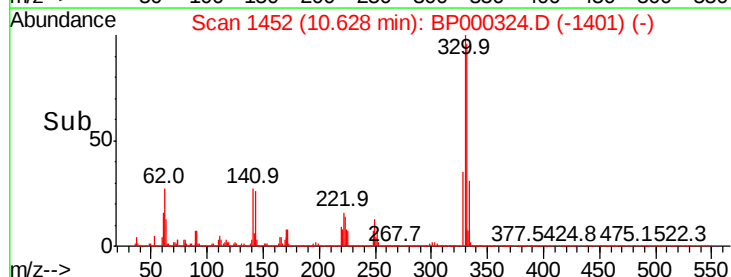
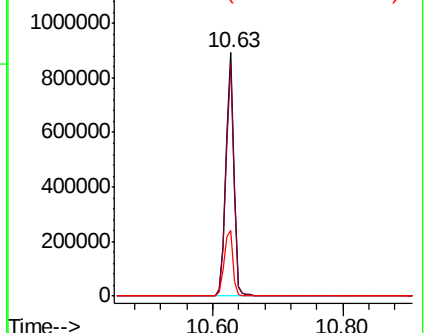
141 29.9 26.5 39.7

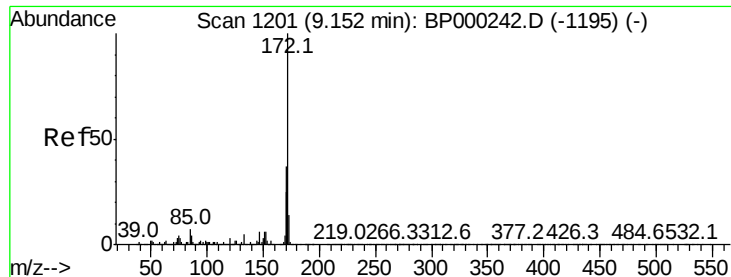


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 104.077 ng

RT: 9.15 min Scan# 1201

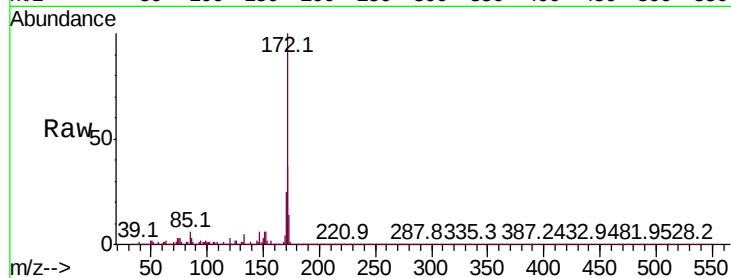
Delta R.T. -0.00 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

Tot Ion:172 Resp: 2600606

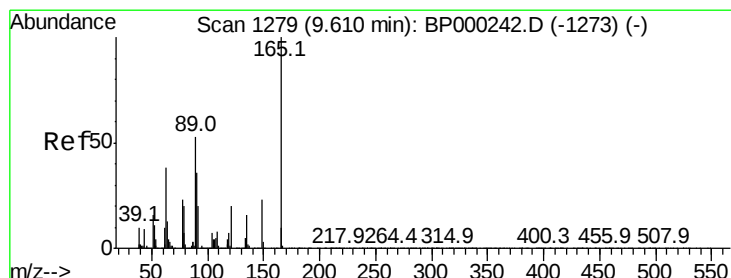
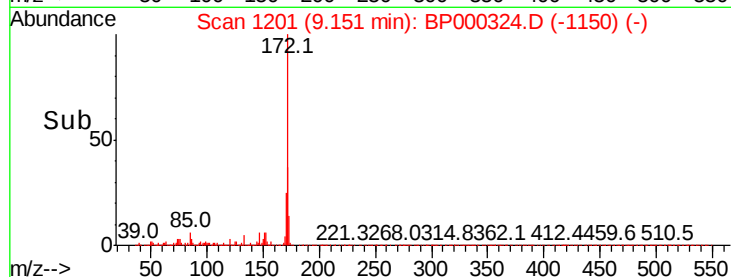
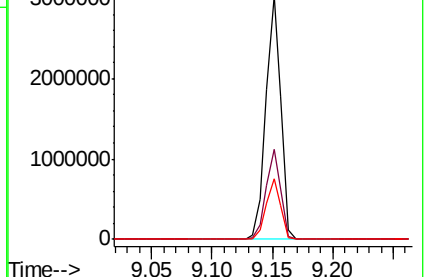
Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	24.8	19.8	29.6



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: 8.626 ng

RT: 9.83 min Scan# 1317

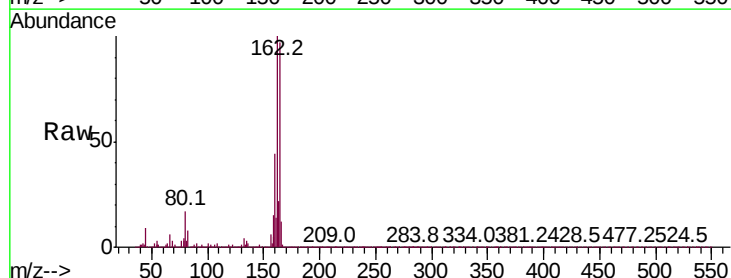
Delta R.T. 0.22 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

Tgt Ion:165 Resp: 58114

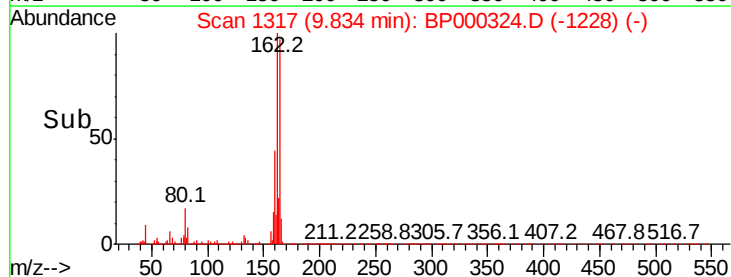
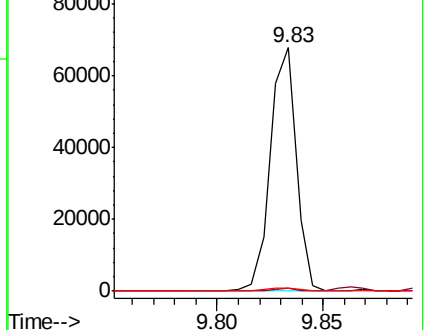
Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.8	53.8#
89	1.3	42.6	63.8#

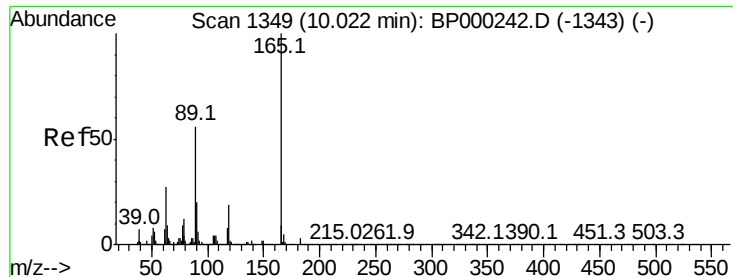


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

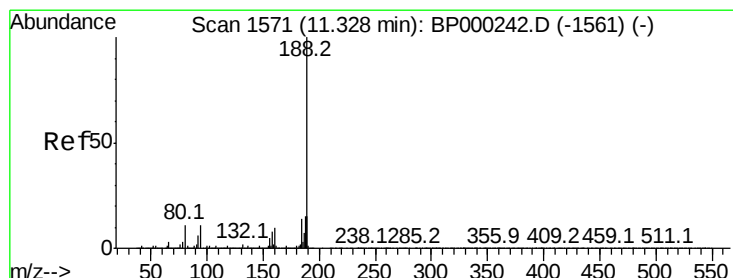
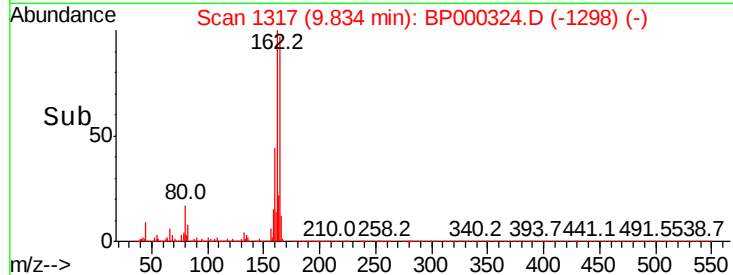
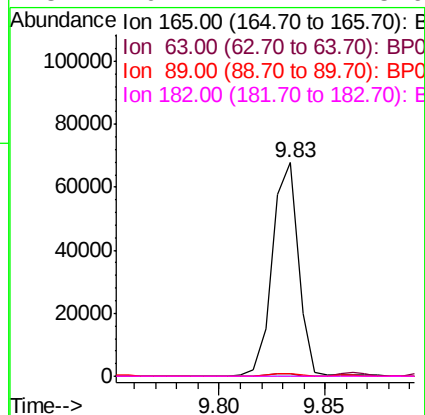
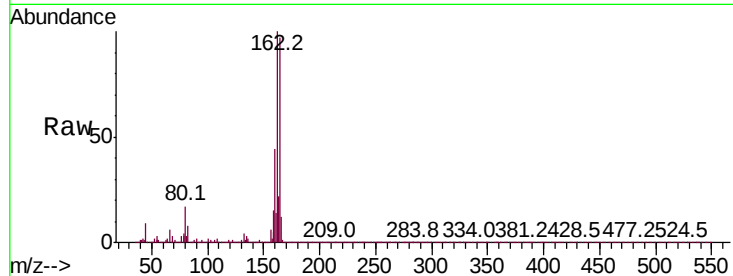
Ion 89.00 (88.70 to 89.70): BP0





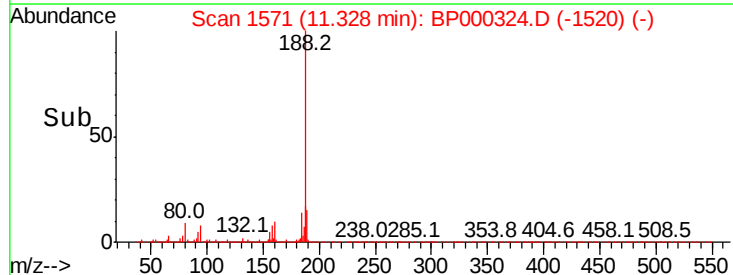
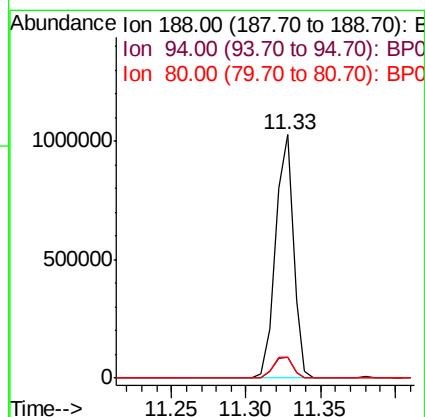
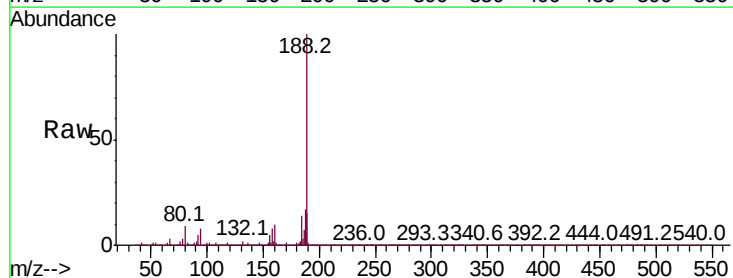
#57
 2,4-Dinitrotoluene
 Concen: 6.598 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BP000324.D
 Acq: 19 Sep 2019 12:53

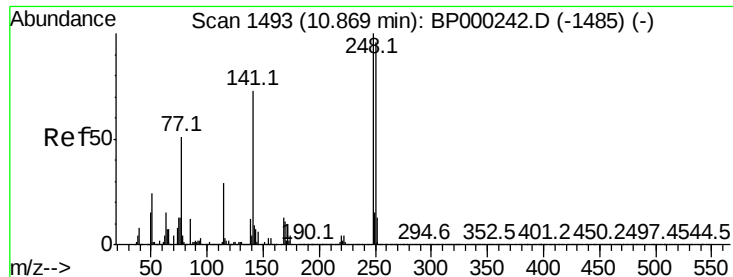
Tot Ion:	165	Resp:	58114
Ion	Ratio	Lower	Upper
165	100		
63	1.1	21.7	32.5#
89	1.3	45.0	67.6#
182	0.2	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BP000324.D
 Acq: 19 Sep 2019 12:53

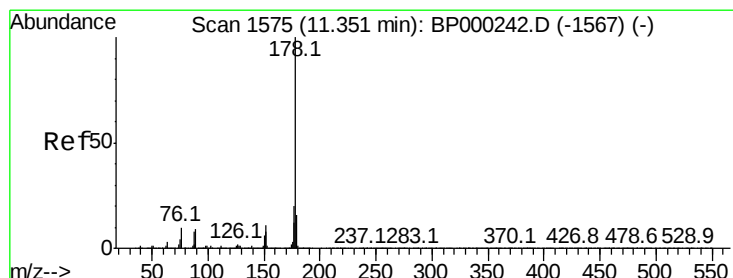
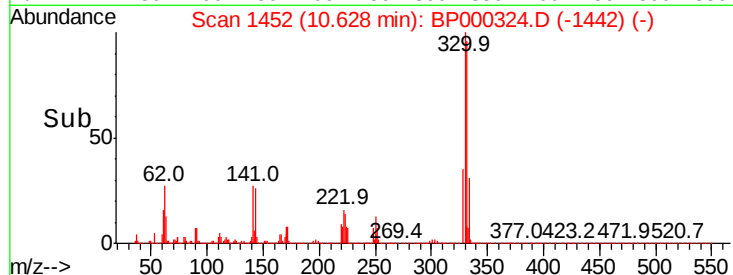
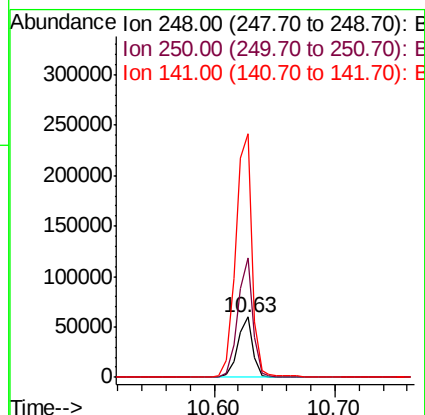
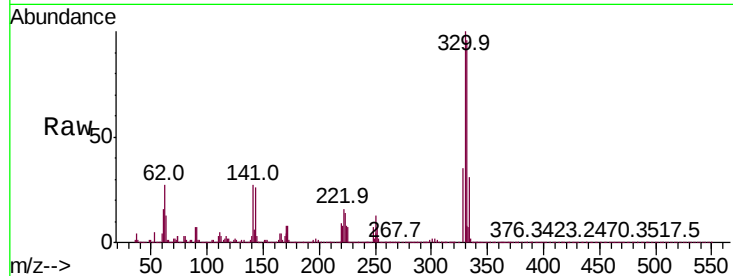
Tgt Ion:	188	Resp:	852013
Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	8.6	8.6	13.0#





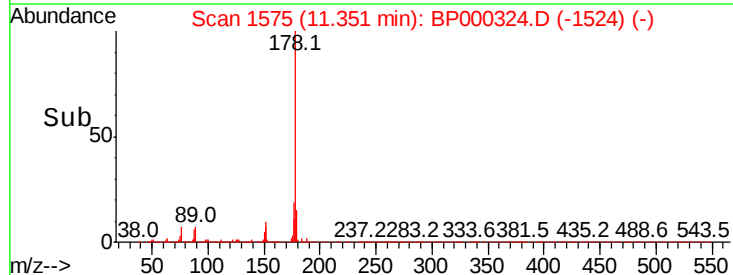
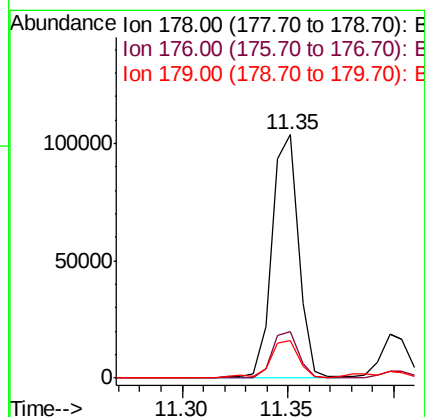
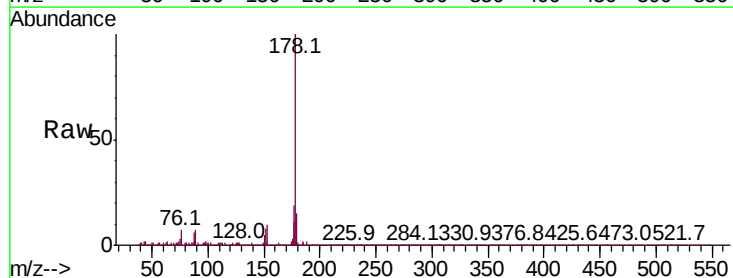
#67
 4-Bromophenyl-phenylether
 Concen: 5.415 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BP000324.D
 Acq: 19 Sep 2019 12:53

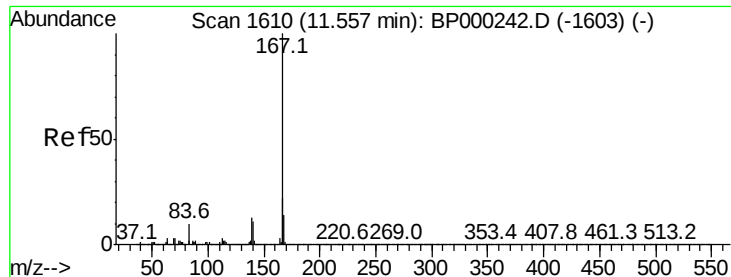
Tot Ion	Ratio	Lower	Upper
248	100		
250	198.5	77.0	115.4#
141	404.1	58.5	87.7#



#71
 Phenanthrene
 Concen: 2.129 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BP000324.D
 Acq: 19 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.4	12.7	19.1





#73

Carbazole

Concen: 2.201 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

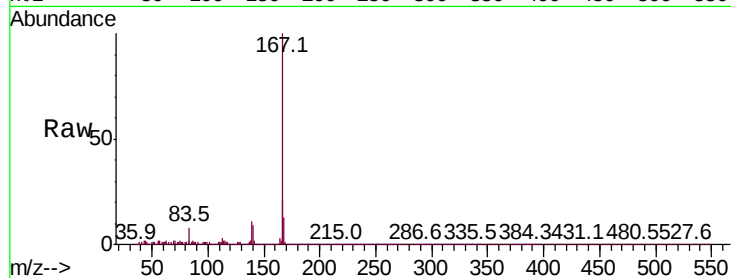
Tot Ion:167 Resp: 87111

Ion Ratio Lower Upper

167 100

166 21.0 17.8 26.8

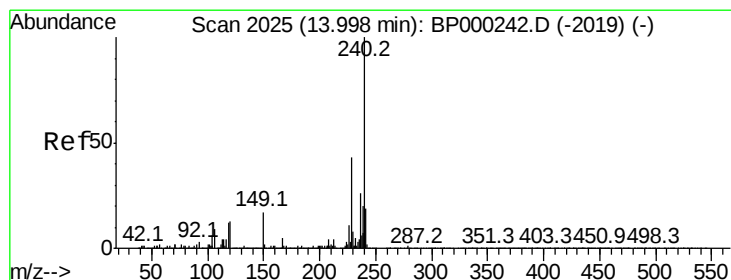
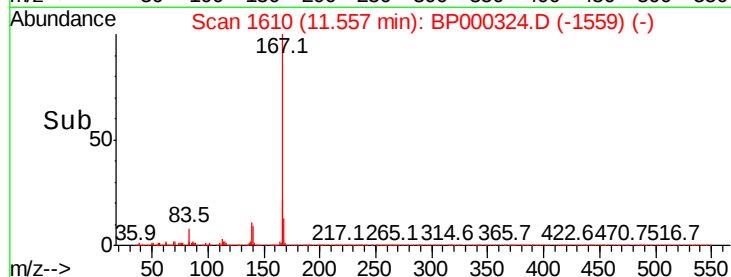
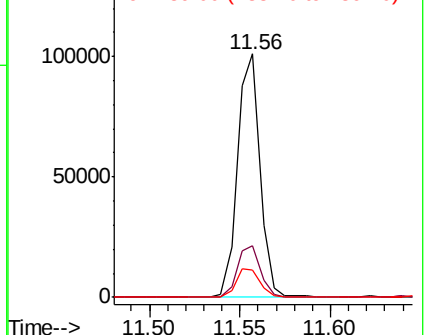
139 11.4 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

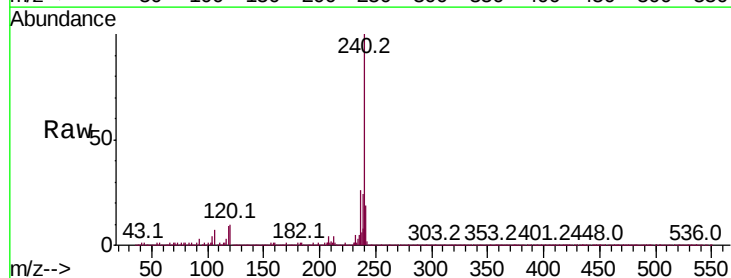
Tgt Ion:240 Resp: 757346

Ion Ratio Lower Upper

240 100

120 9.8 10.4 15.6#

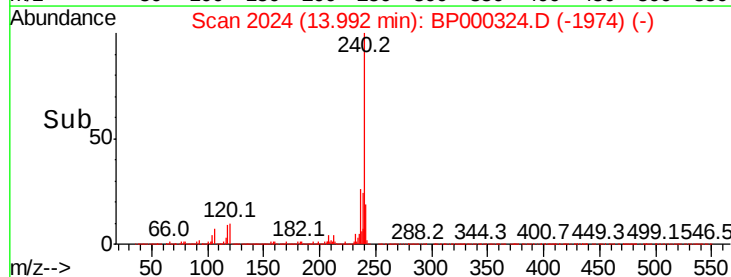
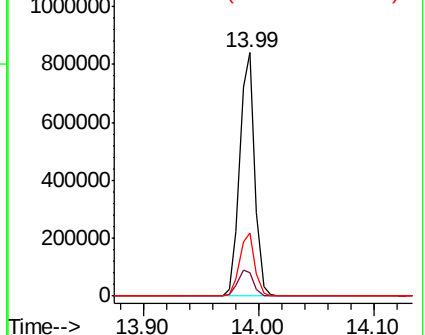
236 25.9 21.0 31.6

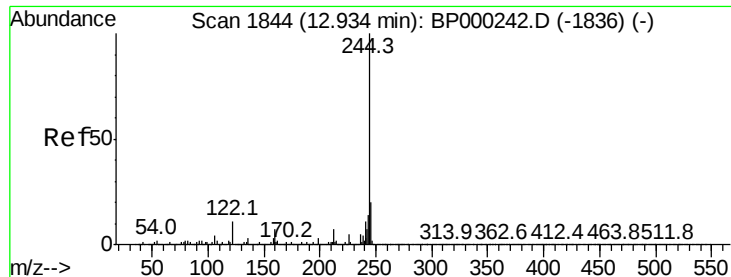


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 91.006 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BP000324.D

Acq: 19 Sep 2019 12:53

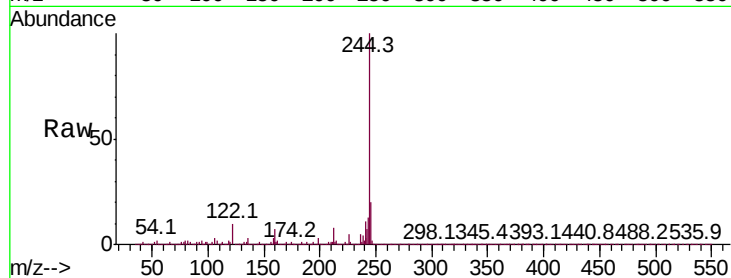
Tot Ion:244 Resp: 3285408

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

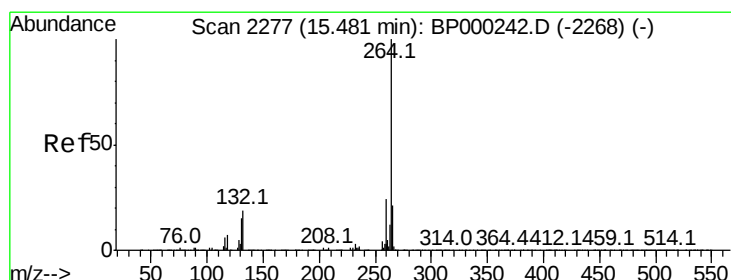
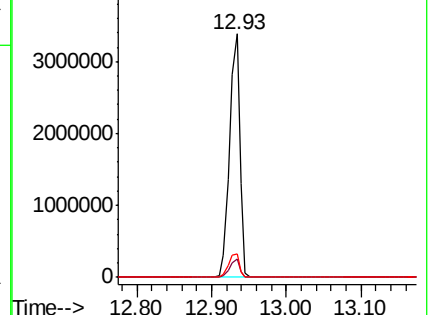
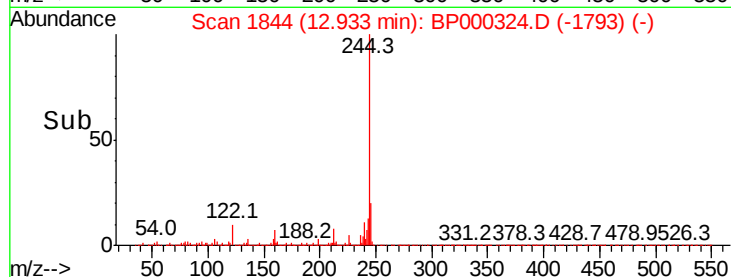
122 9.6 9.0 13.4



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: BP000324.D

Acq: 19 Sep 2019 12:53

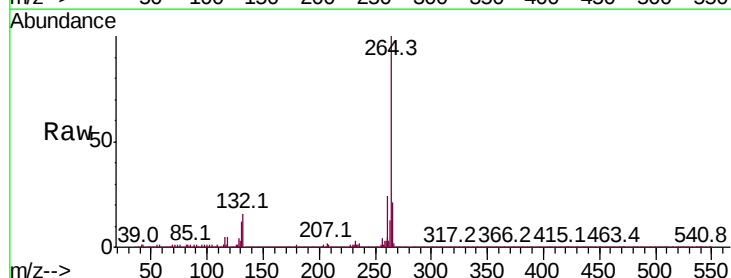
Tgt Ion:264 Resp: 831302

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.5 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

