

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084264.D
 Acq On : 5 Jan 2016 4:36
 Operator : UM/SJ
 Sample : G4990-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-24

Quant Time: Jan 05 07:16:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

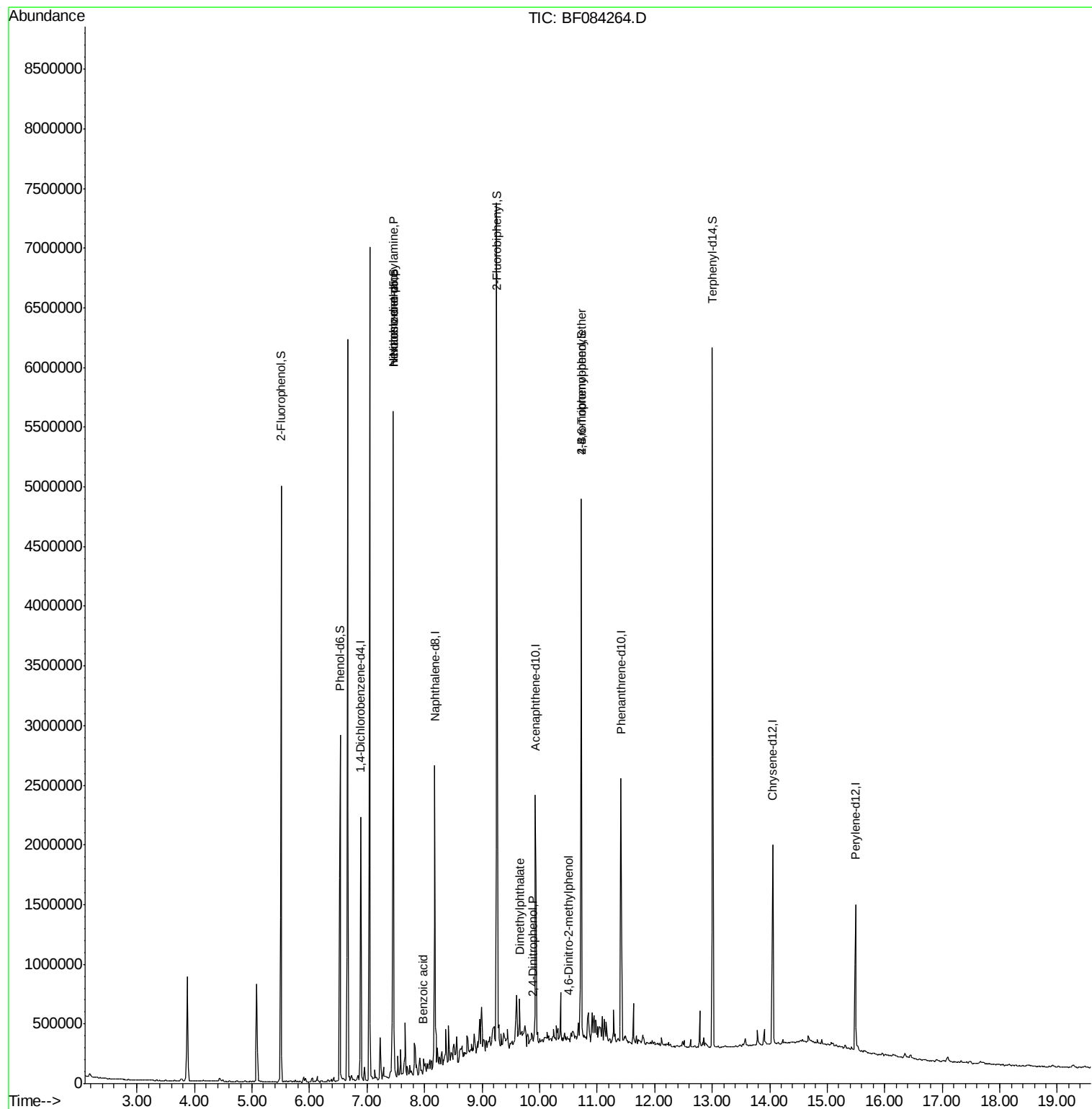
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	283408	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1180807	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	510289	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	850945	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	630714	20.00	ng	-0.01
86) Perylene-d12	15.49	264	582775	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1212081	69.18	ng	0.01
7) Phenol-d6	6.53	99	1127284	51.23	ng	0.00
23) Nitrobenzene-d5	7.46	82	1903241	89.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	683324	132.64	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2774225	96.49	ng	-0.01
78) Terphenyl-d14	13.00	244	2061496	72.96	ng	-0.01
Target Compounds						
18) Hexachloroethane	7.46	117	84536	10.28	ng	# 11
19) n-Nitroso-di-n-propylamine	7.46	70	282265	18.95	ng	# 72
32) Benzoic acid	7.97	122	1617	6.36	ng	# 39
49) Dimethylphthalate	9.65	163	144550	3.96	ng	# 92
53) 2,4-Dinitrophenol	9.88	184	221	3.62	ng	# 1
54) Dibenzofuran	10.13	168	9004	Below Cal	#	48
57) Fluorene	10.48	166	11454	Below Cal	#	96
60) 4-Chlorophenyl-phenylether	10.45	204	3746	Below Cal	#	74
64) 4,6-Dinitro-2-methylphenol	10.50	198	328	6.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	46866	5.12	ng	# 1
73) Di-n-butylphthalate	11.98	149	4969	Below Cal	#	59

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

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Quant Time: Jan 05 07:16:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

ClientSampleId :

W-24

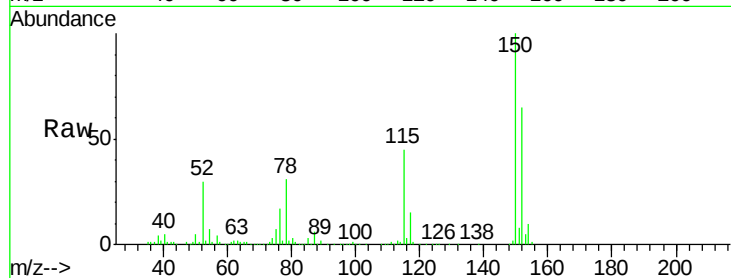
Tgt Ion:152 Resp: 283408

Ion Ratio Lower Upper

152 100

150 154.6 123.0 184.4

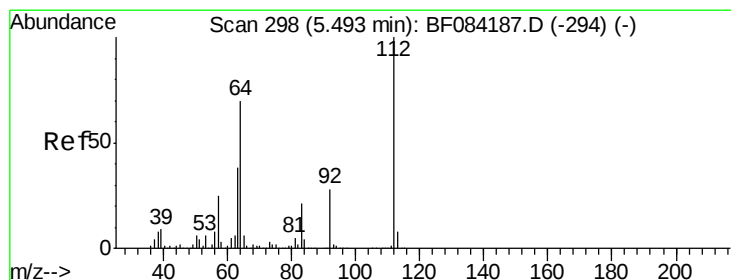
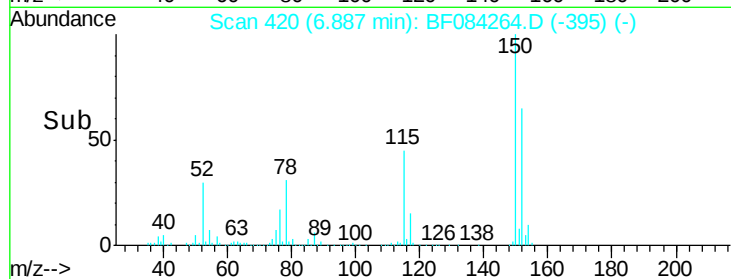
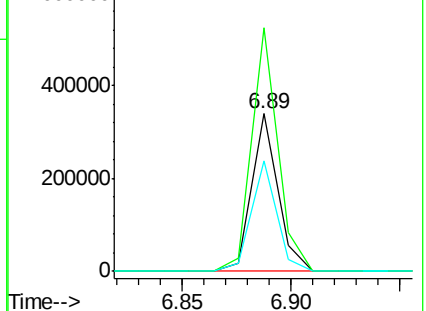
115 70.0 51.4 77.2



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: 69.18 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

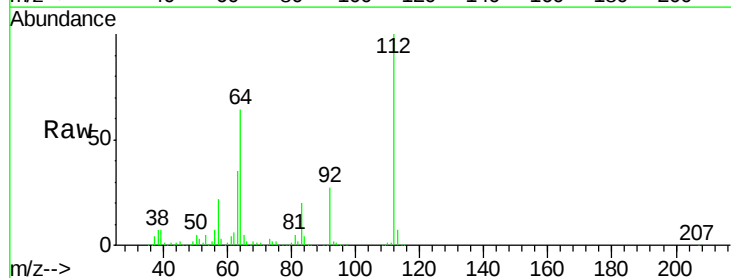
Tgt Ion:112 Resp: 1212081

Ion Ratio Lower Upper

112 100

64 64.3 36.6 55.0#

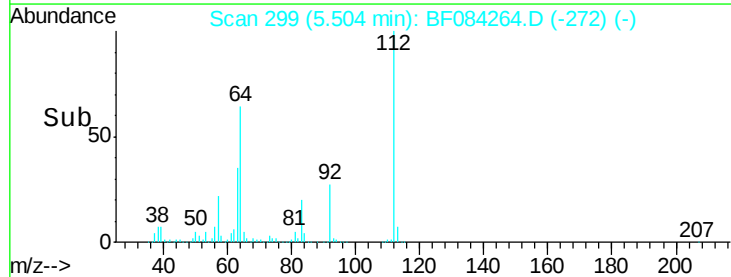
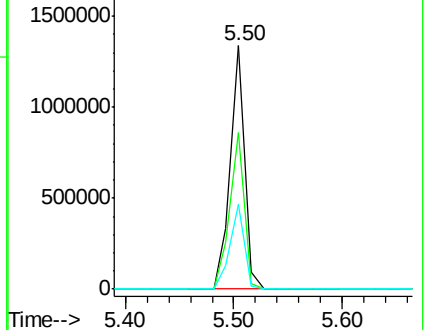
63 34.7 19.4 29.0#

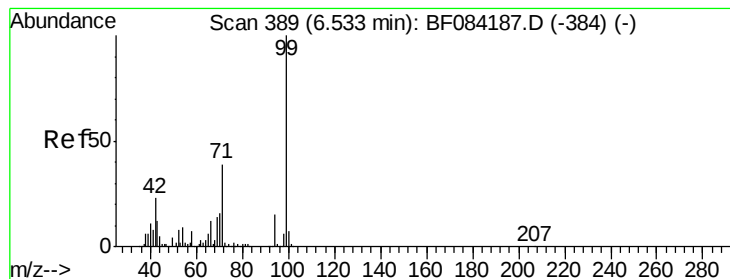


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 51.23 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

ClientSampleId :

W-24

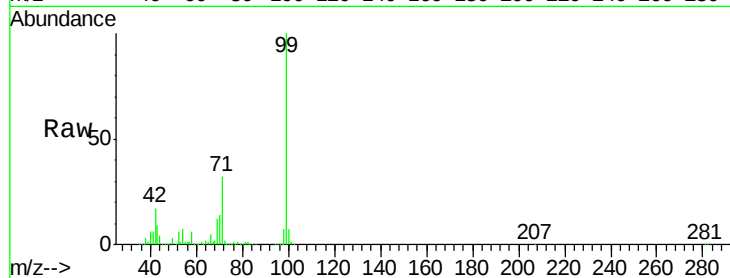
Tgt Ion: 99 Resp: 1127284

Ion Ratio Lower Upper

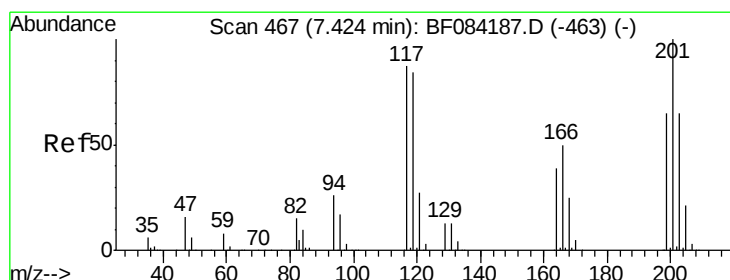
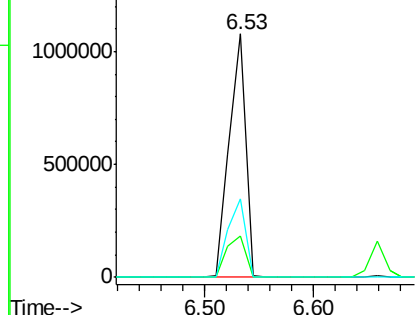
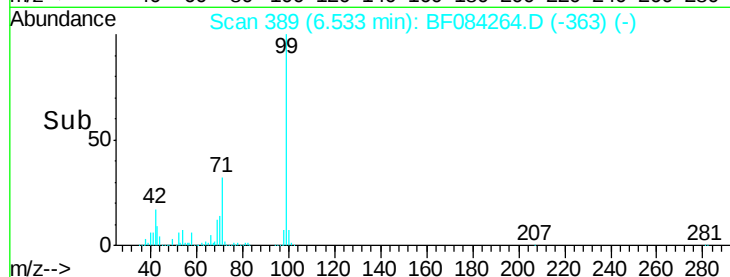
99 100

42 17.0 12.8 19.2

71 32.3 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 10.28 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.03 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

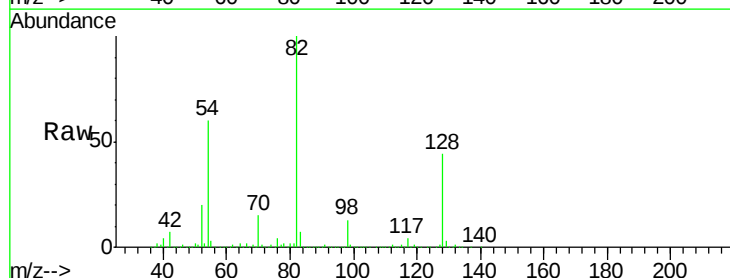
Tgt Ion: 117 Resp: 84536

Ion Ratio Lower Upper

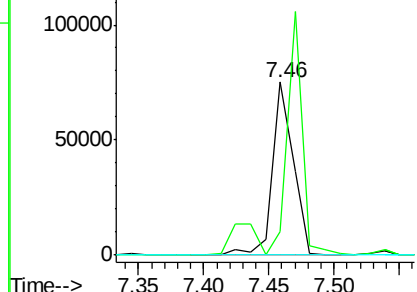
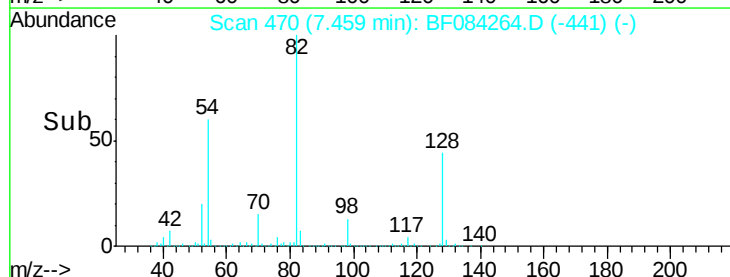
117 100

119 13.6 77.4 116.0#

201 0.0 68.6 103.0#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 18.95 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

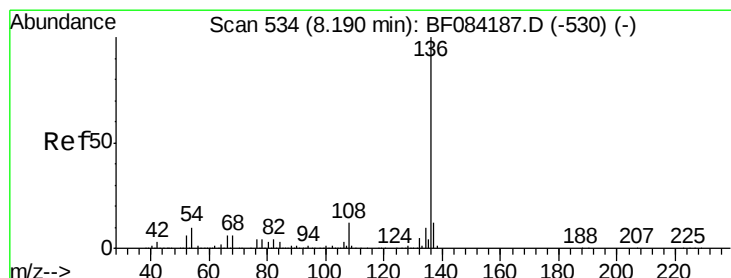
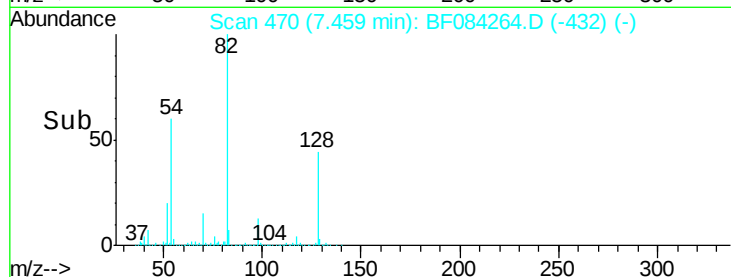
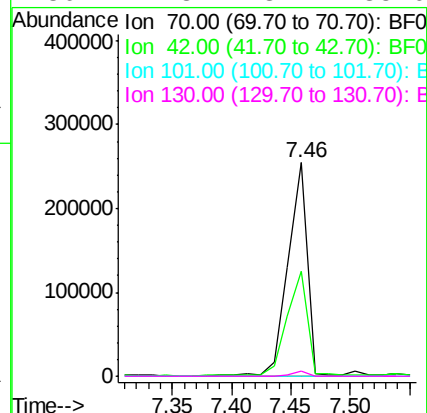
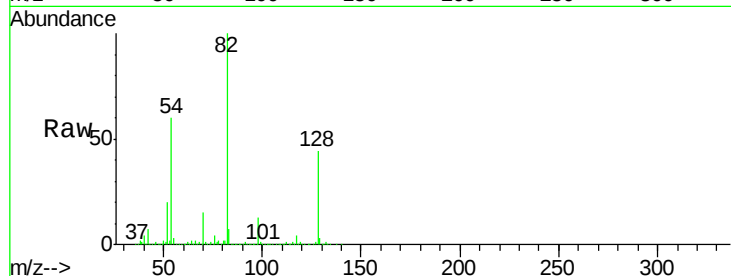
ClientSampleId :

W-24

Tgt Ion: 70 Resp: 282265

Ion Ratio Lower Upper

70	100		
42	49.2	33.3	49.9
101	0.3	9.3	13.9#
130	2.3	23.4	35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

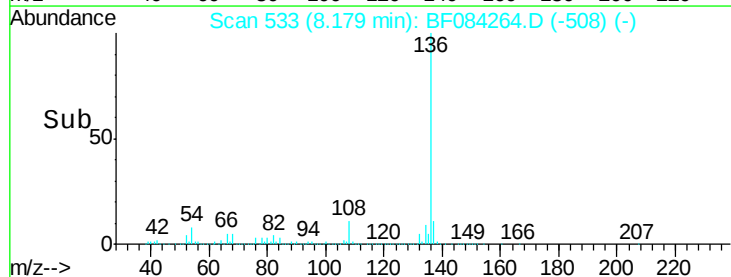
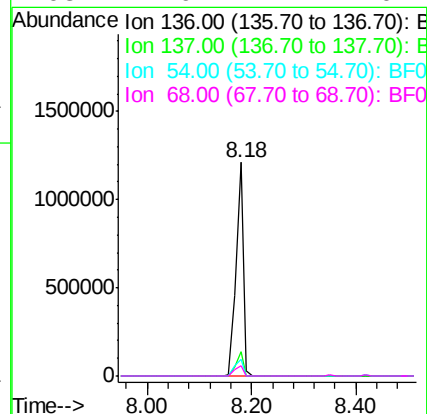
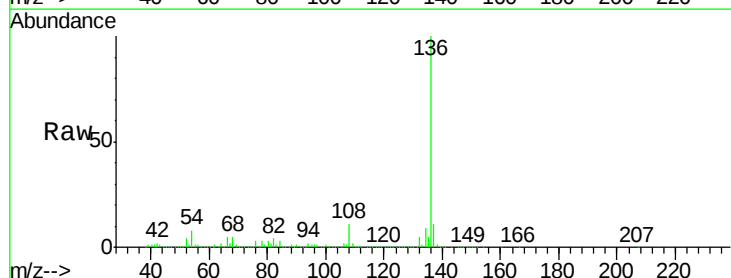
Lab File: BF084264.D

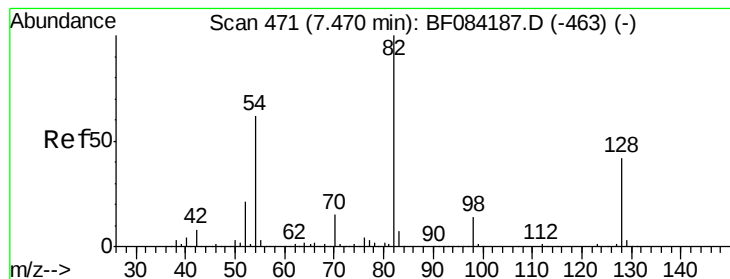
Acq: 5 Jan 2016 4:36

Tgt Ion: 136 Resp: 1180807

Ion Ratio Lower Upper

136	100		
137	11.2	8.7	13.1
54	8.1	5.8	8.8
68	4.9	4.2	6.2





#23

Nitrobenzene-d5

Concen: 89.71 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

ClientSampleId :

W-24

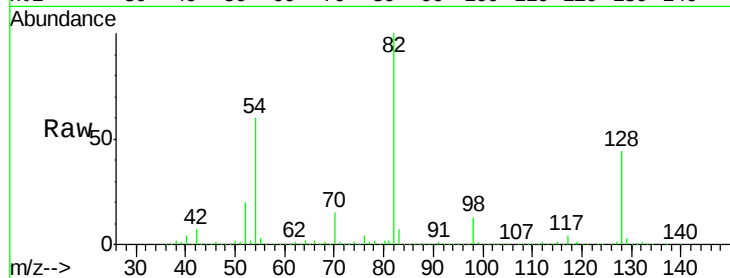
Tgt Ion: 82 Resp: 1903241

Ion Ratio Lower Upper

82 100

128 44.0 34.6 51.8

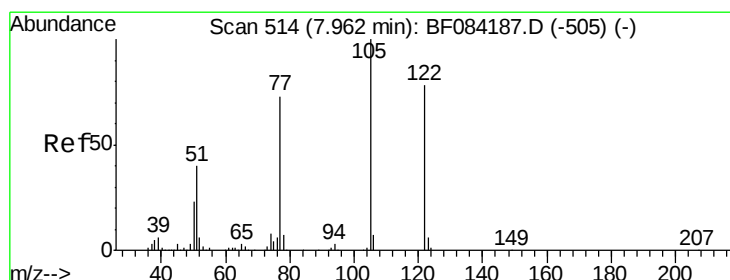
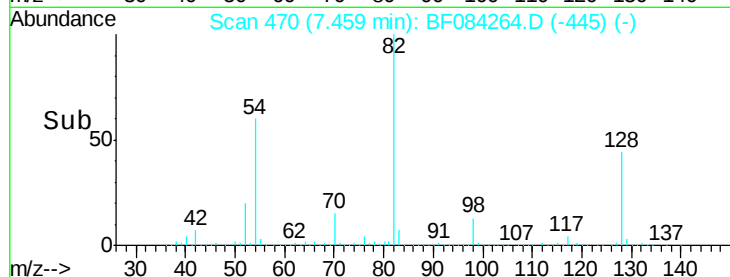
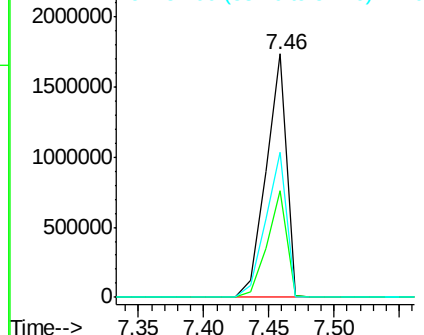
54 59.7 38.4 57.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#32

Benzoic acid

Concen: 6.36 ng

RT: 7.97 min Scan# 515

Delta R.T. 0.01 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

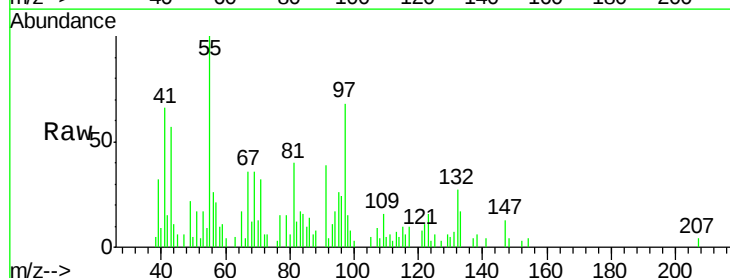
Tgt Ion: 122 Resp: 1617

Ion Ratio Lower Upper

122 100

105 49.0 100.3 140.3#

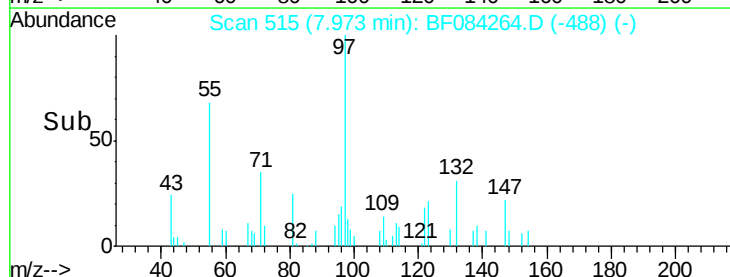
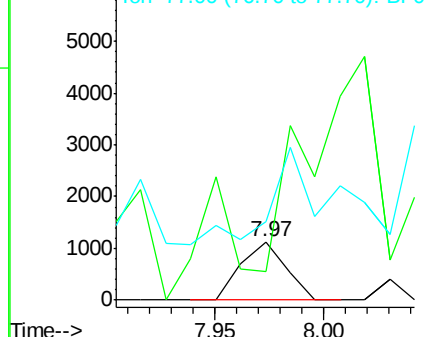
77 134.5 63.5 103.5#

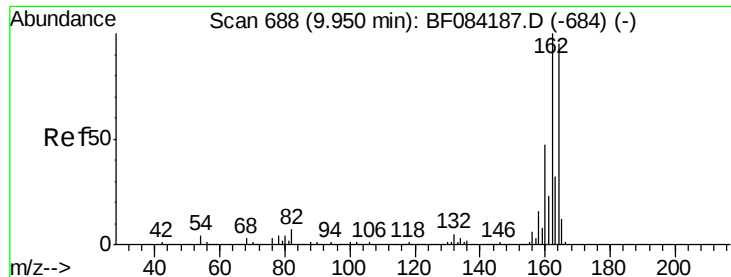


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

ClientSampleId :

W-24

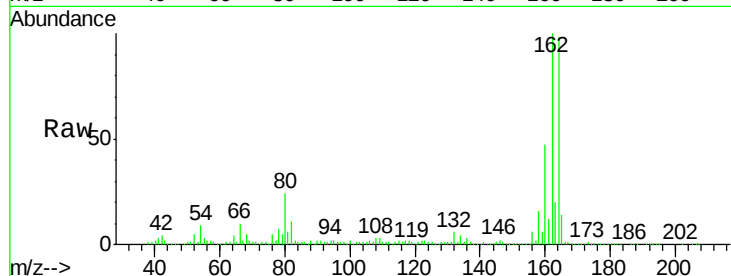
Tgt Ion:164 Resp: 510289

Ion Ratio Lower Upper

164 100

162 102.3 85.1 127.7

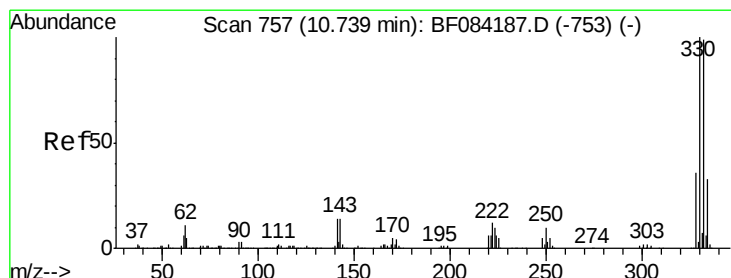
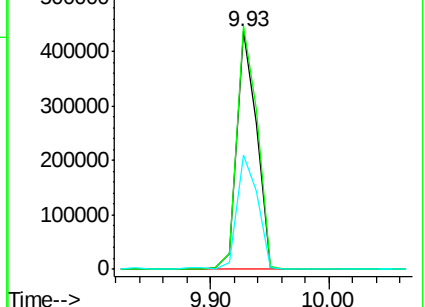
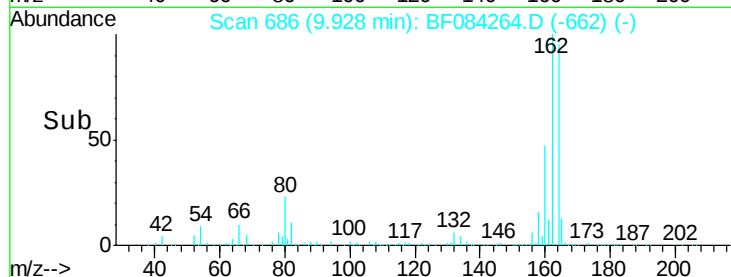
160 47.8 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 132.64 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

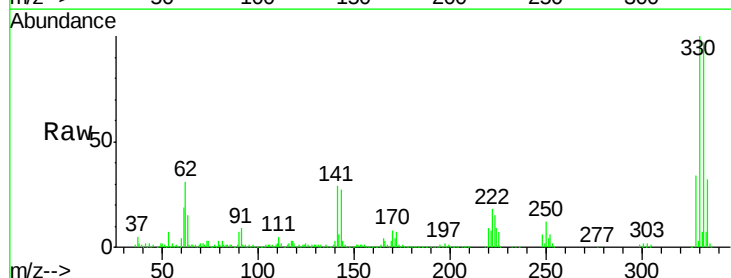
Tgt Ion:330 Resp: 683324

Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

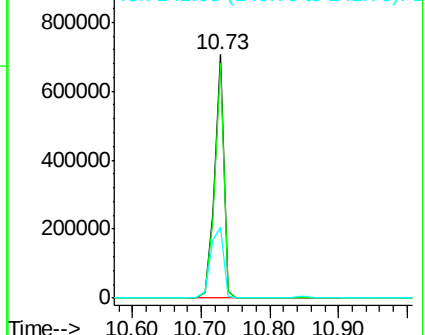
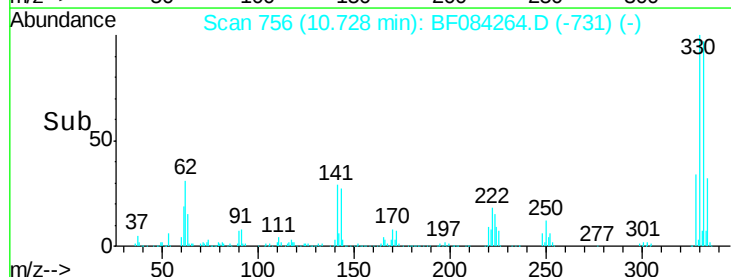
141 39.5 27.8 41.6

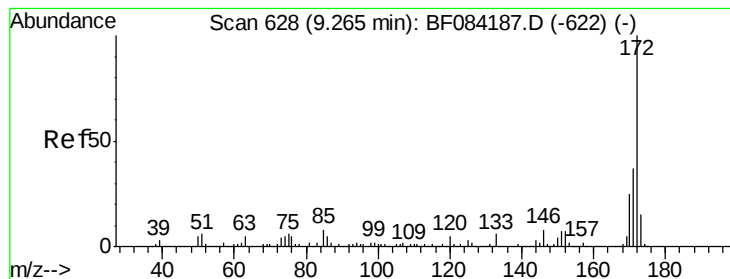


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 96.49 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

ClientSampled :

W-24

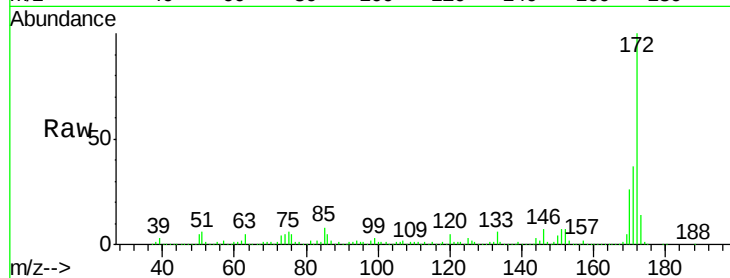
Tgt Ion:172 Resp: 2774225

Ion Ratio Lower Upper

172 100

171 37.4 28.9 43.3

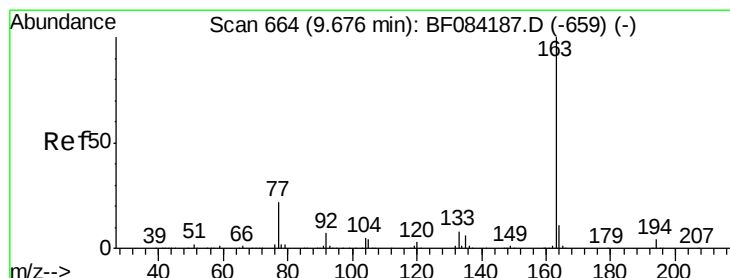
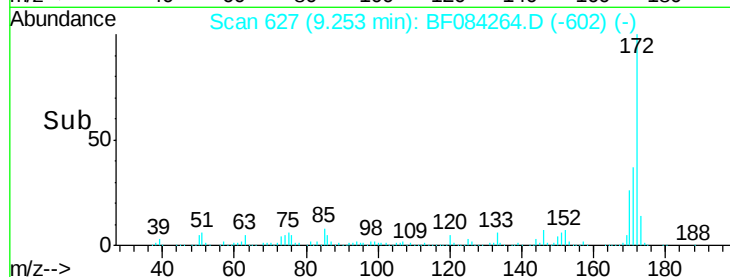
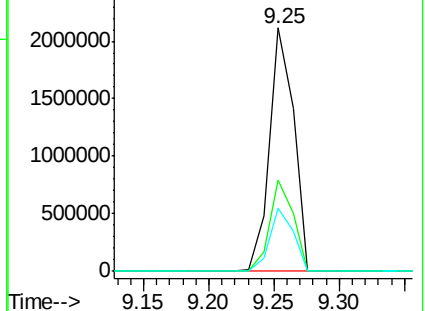
170 25.8 18.6 27.8



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



#49

Dimethylphthalate

Concen: 3.96 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

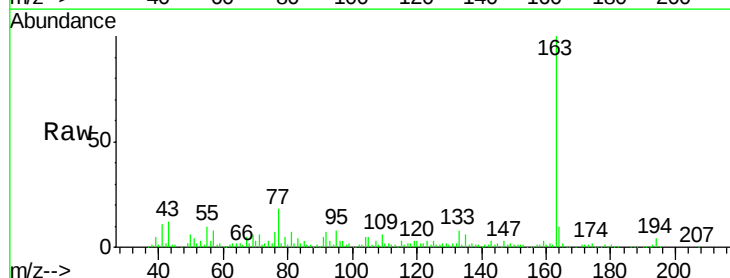
Tgt Ion:163 Resp: 144550

Ion Ratio Lower Upper

163 100

194 4.0 8.0 12.0#

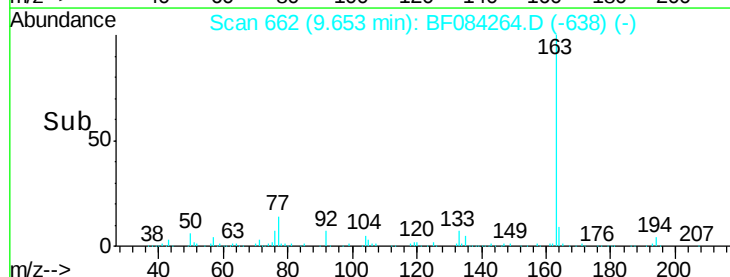
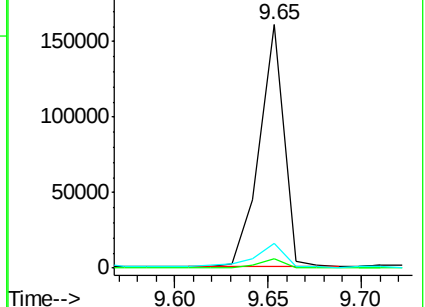
164 9.9 8.0 12.0

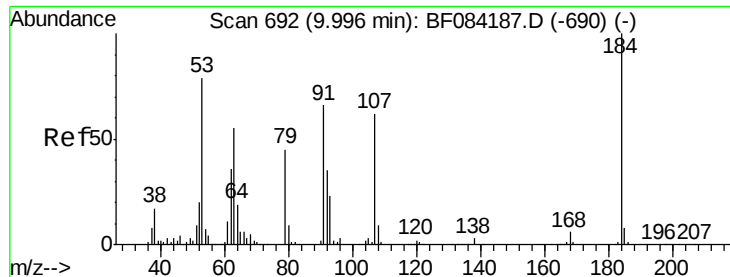


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

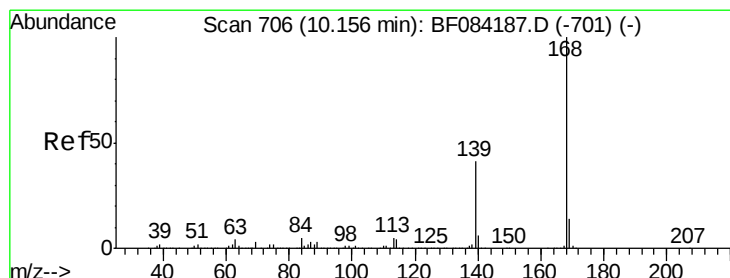
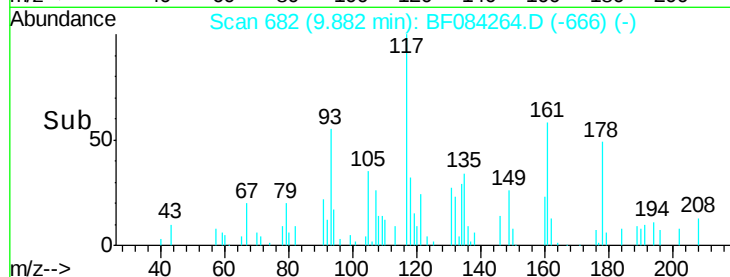
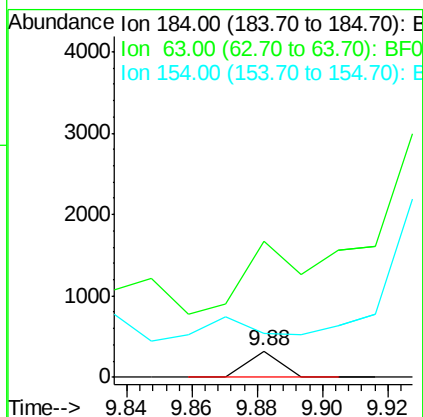
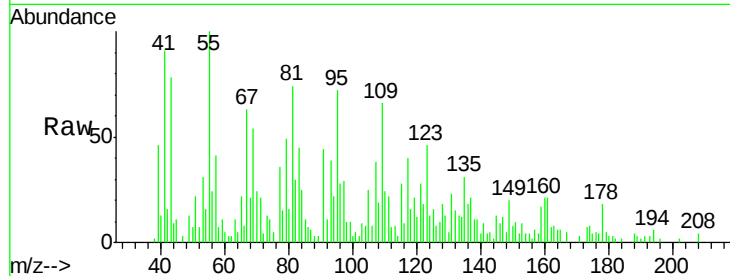




#53
2,4-Dinitrophenol
Concen: 3.62 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.11 min
Lab File: BF084264.D
Acq: 5 Jan 2016 4:36

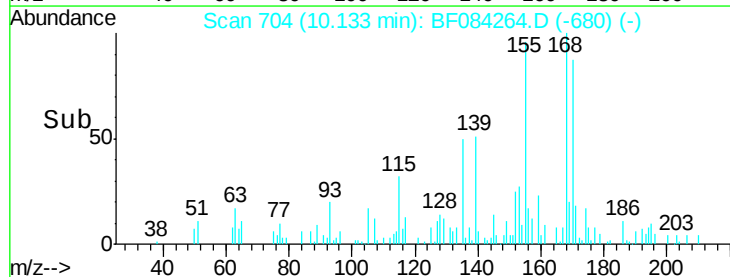
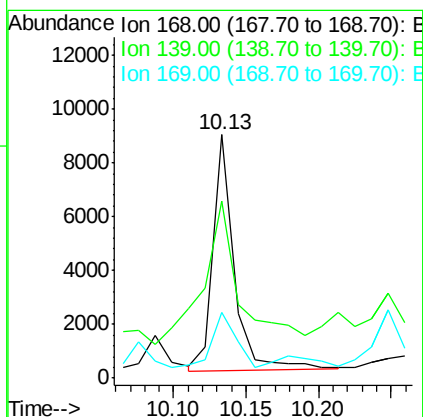
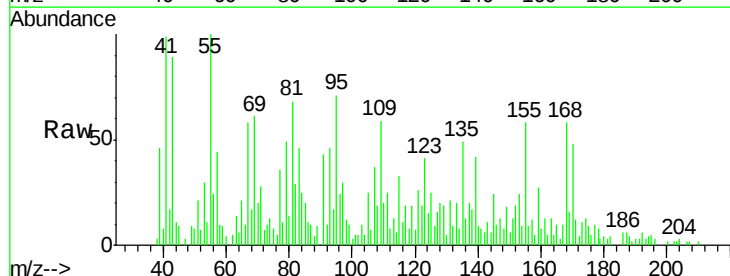
Instrument :
BNA_F
ClientSampled :
W-24

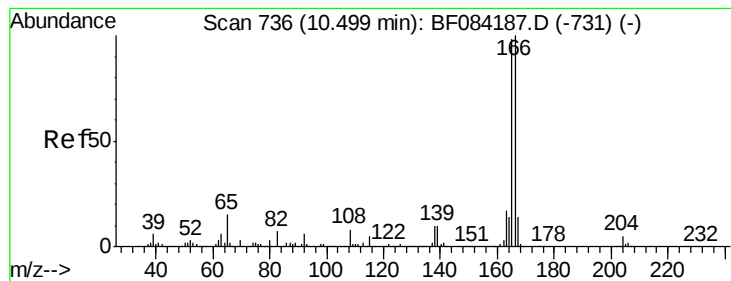
Tgt Ion:184 Resp: 221
Ion Ratio Lower Upper
184 100
63 518.9 43.1 64.7#
154 165.8 60.5 90.7#



#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084264.D
Acq: 5 Jan 2016 4:36

Tgt Ion:168 Resp: 9004
Ion Ratio Lower Upper
168 100
139 72.7 30.5 45.7#
169 26.8 10.4 15.6#





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

ClientSampleId :

W-24

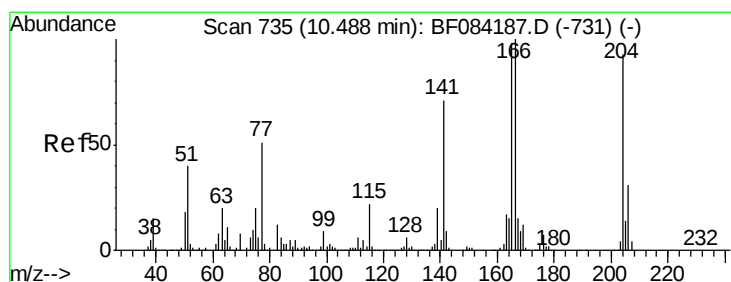
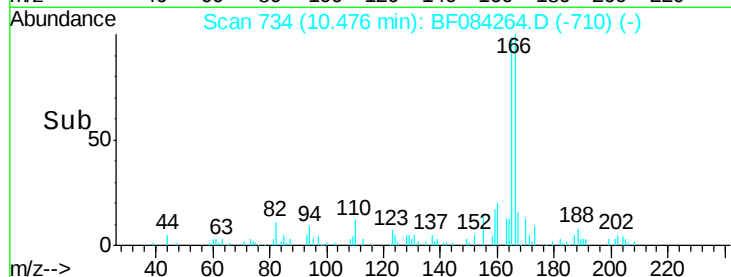
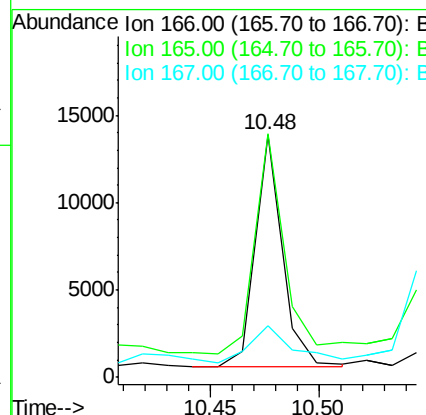
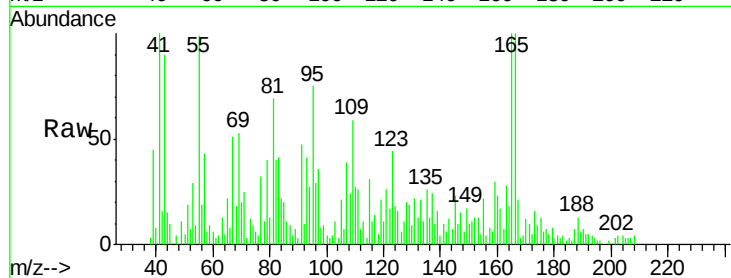
Tgt Ion:166 Resp: 11454

Ion Ratio Lower Upper

166 100

165 100.3 79.1 118.7

167 21.2 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

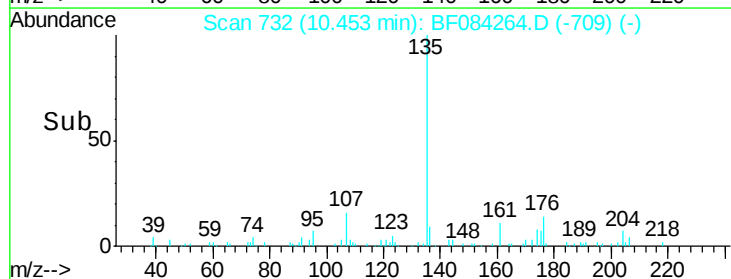
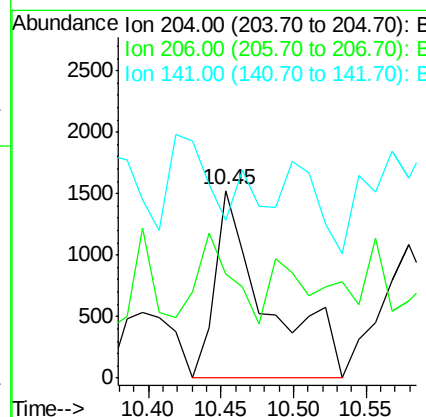
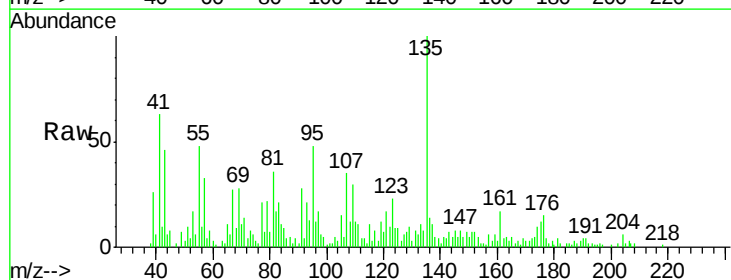
Tgt Ion:204 Resp: 3746

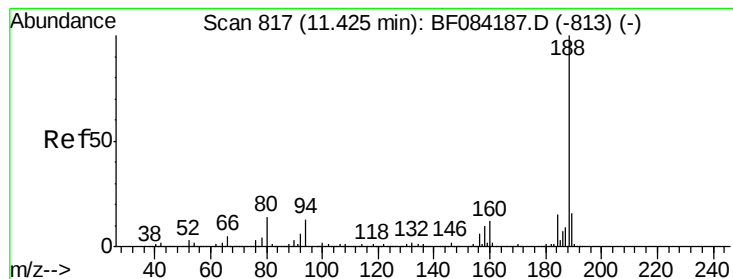
Ion Ratio Lower Upper

204 100

206 55.5 25.7 38.5#

141 84.0 55.1 82.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

Instrument :

BNA_F

ClientSampled :

W-24

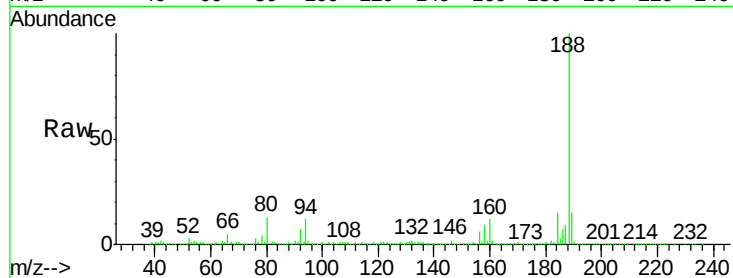
Tgt Ion:188 Resp: 850945

Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.4

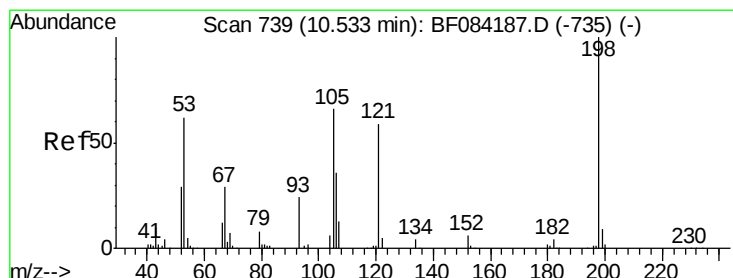
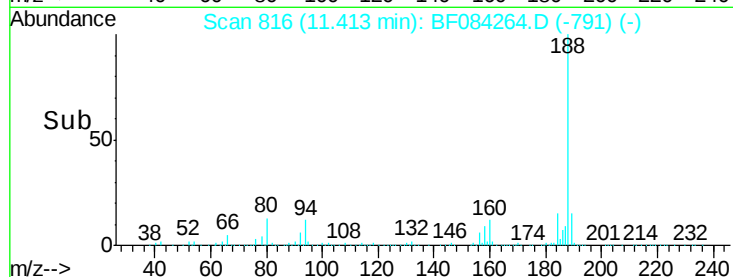
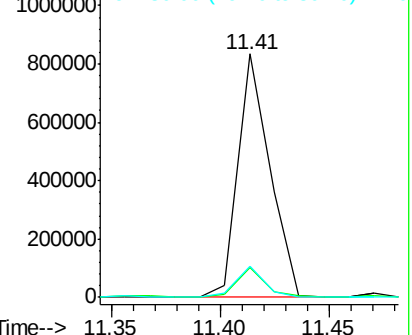
80 13.0 9.6 14.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 6.47 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.03 min

Lab File: BF084264.D

Acq: 5 Jan 2016 4:36

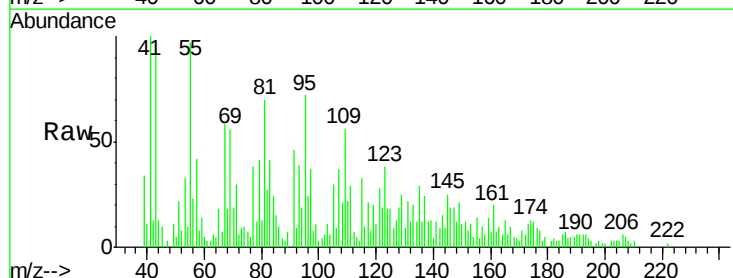
Tgt Ion:198 Resp: 328

Ion Ratio Lower Upper

198 100

51 639.2 18.9 58.9#

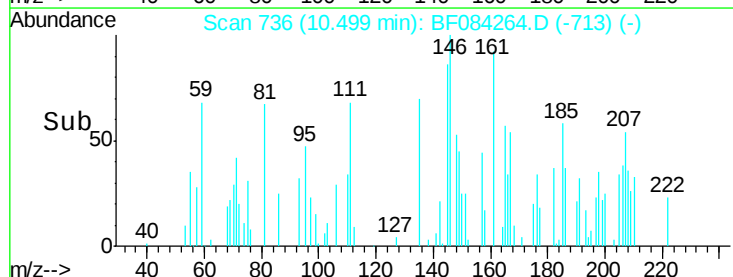
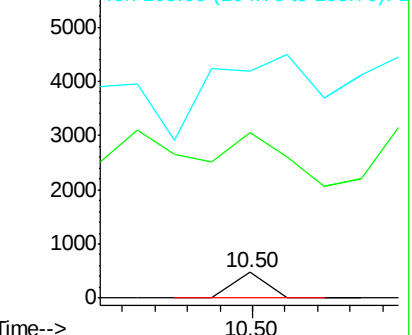
105 874.1 26.4 66.4#

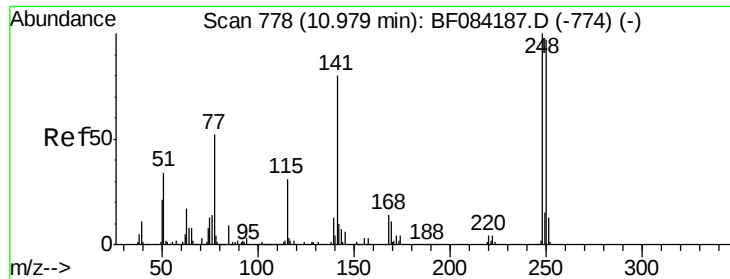


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

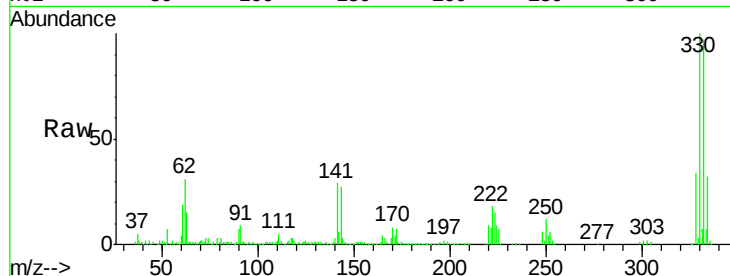




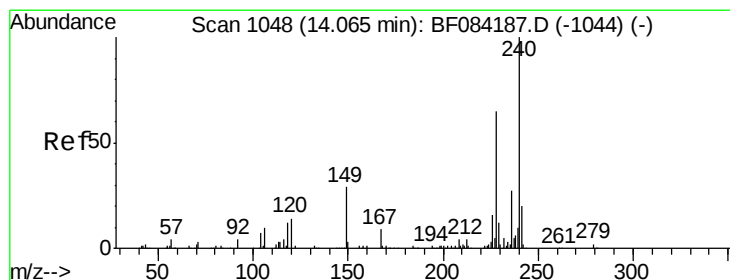
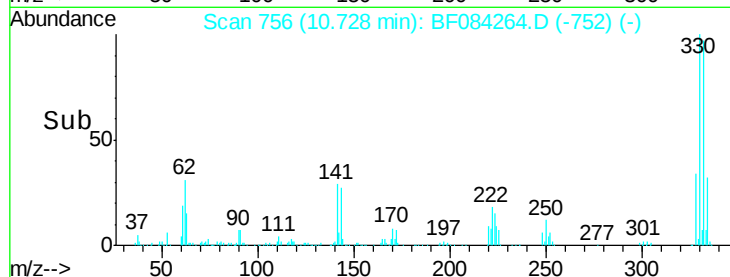
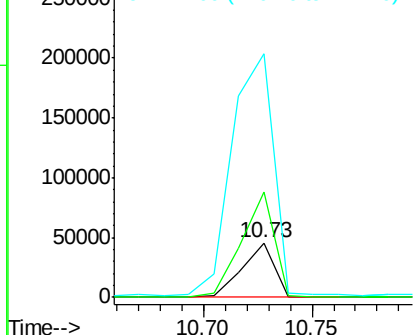
#66
4-Bromophenyl-phenylether
Concen: 5.12 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.25 min
Lab File: BF084264.D
Acq: 5 Jan 2016 4:36

Instrument :
BNA_F
ClientSampleId :
W-24

Tgt Ion:248 Resp: 46866
Ion Ratio Lower Upper
248 100
250 193.9 78.4 117.6#
141 448.0 44.0 66.0#

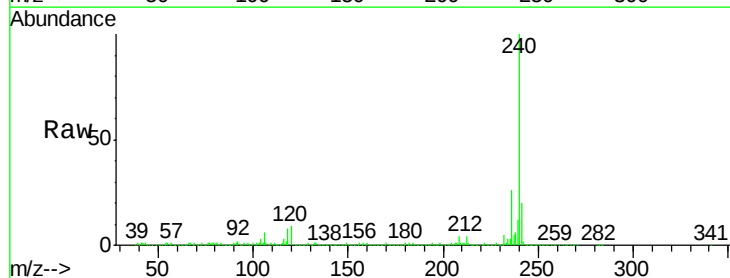


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

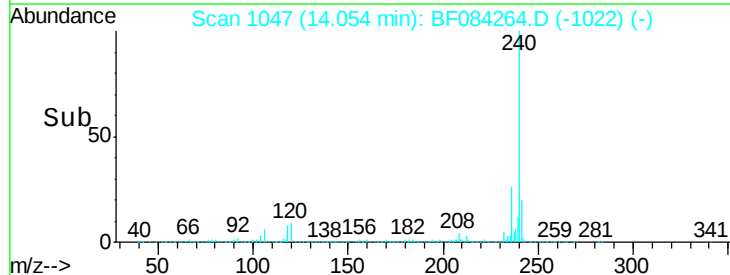
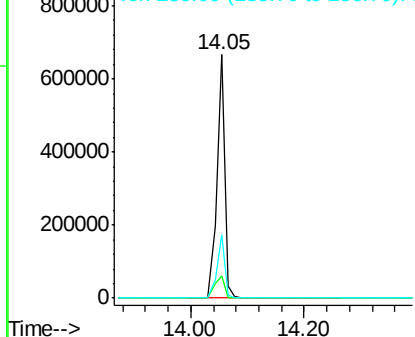


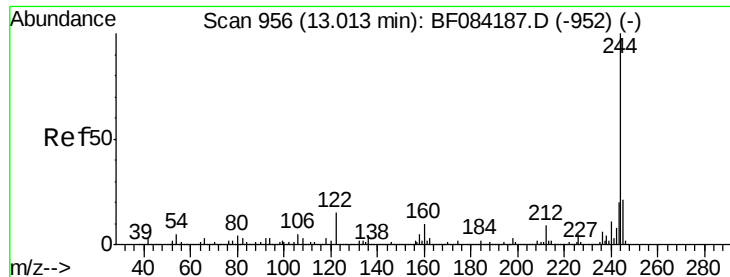
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF084264.D
Acq: 5 Jan 2016 4:36

Tgt Ion:240 Resp: 630714
Ion Ratio Lower Upper
240 100
120 9.0 9.5 14.3#
236 26.1 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

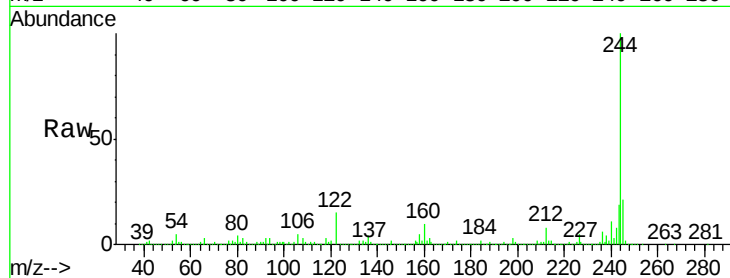




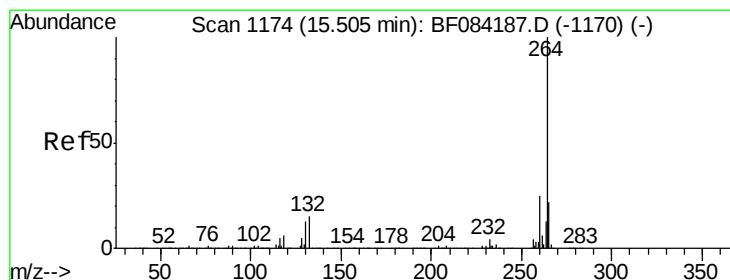
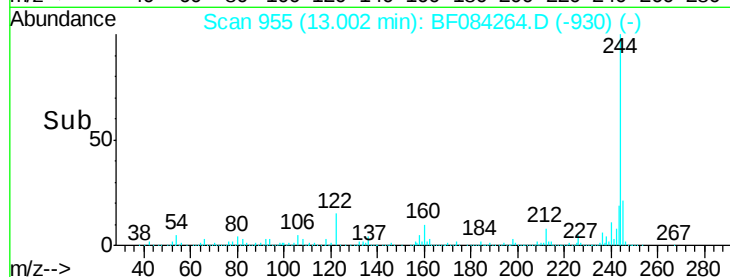
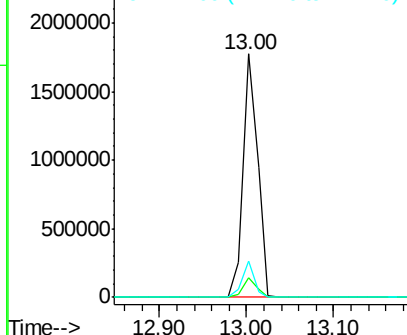
#78
 Terphenyl-d14
 Concen: 72.96 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF084264.D
 Acq: 5 Jan 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 W-24

Tgt Ion:244 Resp: 2061496
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 14.9 7.4 11.0#

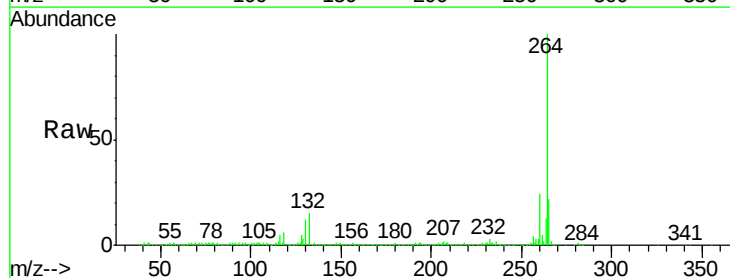


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF084264.D
 Acq: 5 Jan 2016 4:36

Tgt Ion:264 Resp: 582775
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 22.0 17.8 26.6



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

