

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088464.D
 Acq On : 27 Jun 2016 21:23
 Operator : UM/SJ
 Sample : H3728-01 20X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-PAV-2

Quant Time: Jun 28 04:53:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	1567	20.00	ng	0.01
21) Naphthalene-d8	7.84	136	9879	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	4360	20.00	ng	-0.01
63) Phenanthrene-d10	11.06	188	6289	20.00	ng	0.00
75) Chrysene-d12	13.69	240	6157	20.00	ng	0.00
86) Perylene-d12	15.04	264	7512	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	8217	89.64	ng	0.07
7) Phenol-d6	6.25	99	15405	138.68	ng	0.01
23) Nitrobenzene-d5	7.16	82	8139	48.11	ng	0.02
41) 2,4,6-Tribromophenol	10.38	330	1494	32.45	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	21701	77.71	ng	-0.01
78) Terphenyl-d14	12.63	244	14158	52.33	ng	-0.01

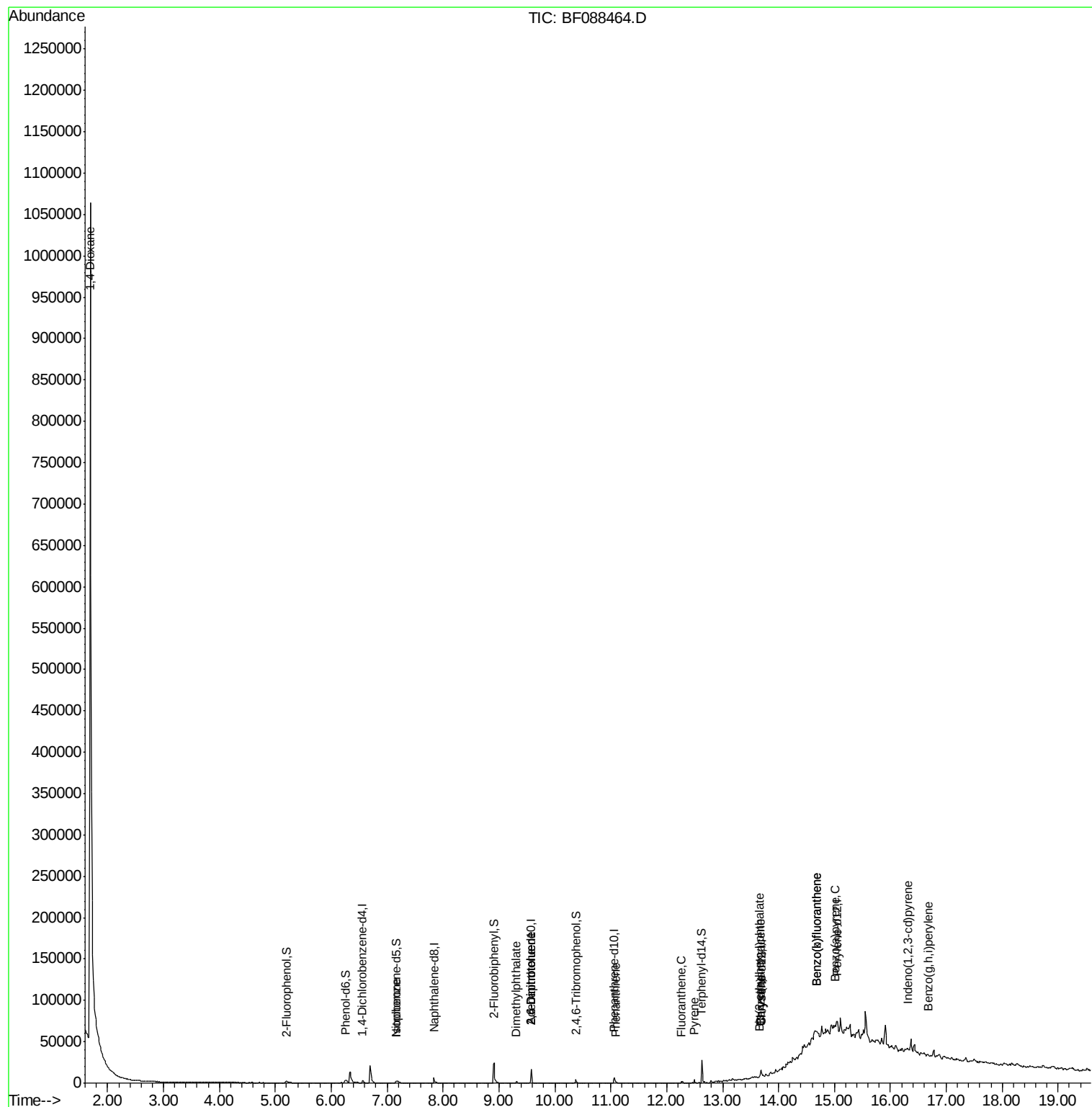
Target Compounds						Qvalue
2) 1,4-Dioxane	1.69	88	63964	1436.13	ng	# 98
25) Isophorone	7.16	82	8138	25.97	ng	# 65
49) Dimethylphthalate	9.31	163	2437	7.72	ng	# 77
50) 2,6-Dinitrotoluene	9.58	165	366	5.06	ng	# 37
56) 2,4-Dinitrotoluene	9.58	165	366	3.94	ng	# 36
70) Phenanthrene	11.08	178	2168	6.57	ng	# 59
74) Fluoranthene	12.26	202	2191	6.29	ng	# 80
77) Pyrene	12.49	202	2321	5.08	ng	# 94
80) Benzo(a)anthracene	13.68	228	2821	8.04	ng	# 67
82) Chrysene	13.68	228	2821	8.55	ng	# 74
83) Bis(2-ethylhexyl)phthalate	13.67	149	610	2.48	ng	# 53
85) Indeno(1,2,3-cd)pyrene	16.31	276	1192	3.89	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	3694	7.06	ng	# 13
88) Benzo(k)fluoranthene	14.69	252	3694	9.35	ng	# 23
89) Benzo(a)pyrene	15.01	252	2321	5.48	ng	# 36
91) Benzo(g,h,i)perylene	16.69	276	1633	4.03	ng	# 45

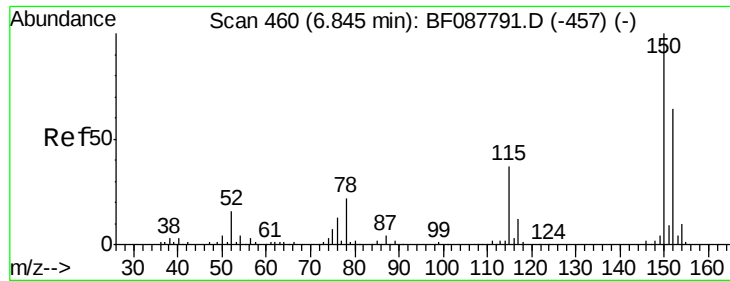
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

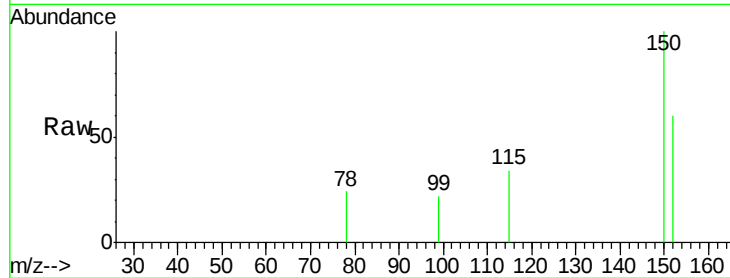
Tgt Ion:152 Resp: 1567

Ion Ratio Lower Upper

152 100

150 166.8 123.8 185.6

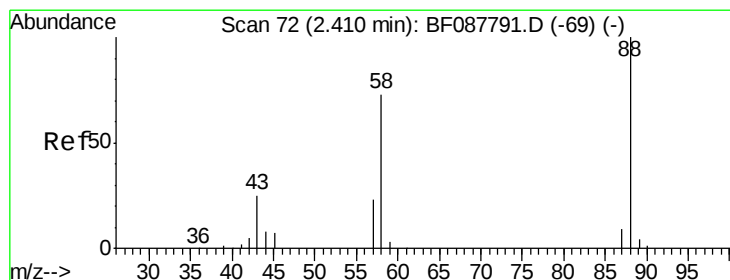
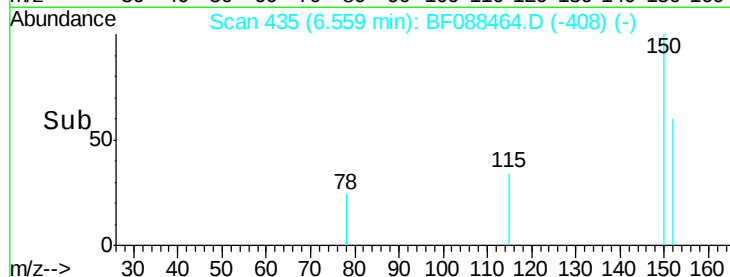
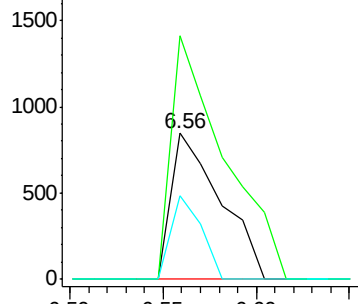
115 57.4 39.6 59.4



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



#2

1,4-Dioxane

Concen: 1436.13 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

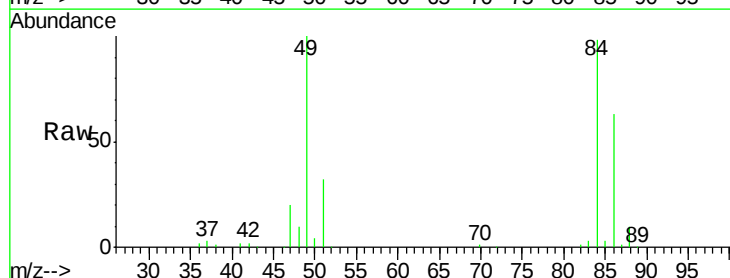
Tgt Ion: 88 Resp: 63964

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

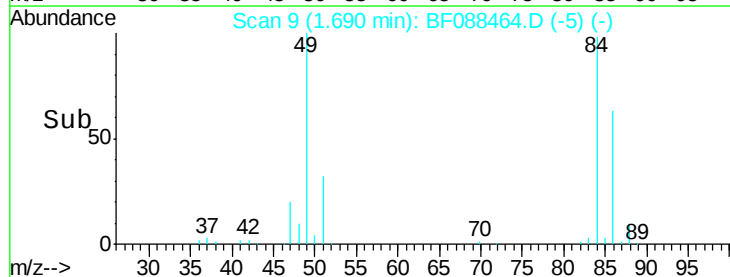
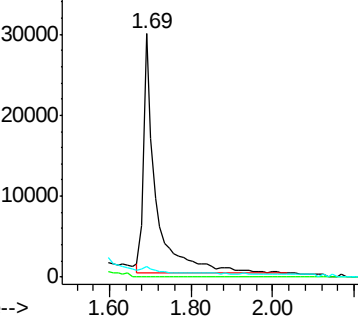
43 3.5 3.4 5.2

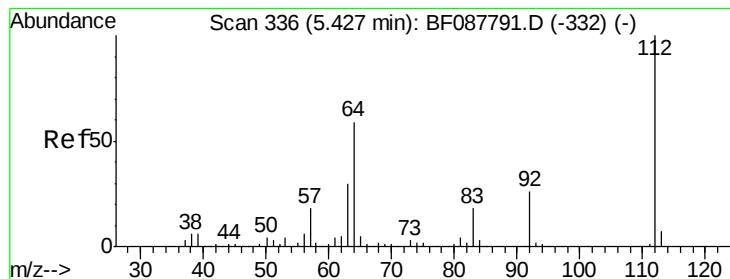


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 89.64 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.07 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

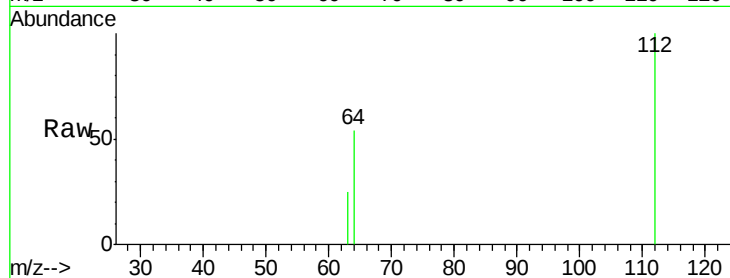
Tgt Ion: 112 Resp: 8217

Ion Ratio Lower Upper

112 100

64 54.1 42.2 63.2

63 25.1 21.8 32.8



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

1500

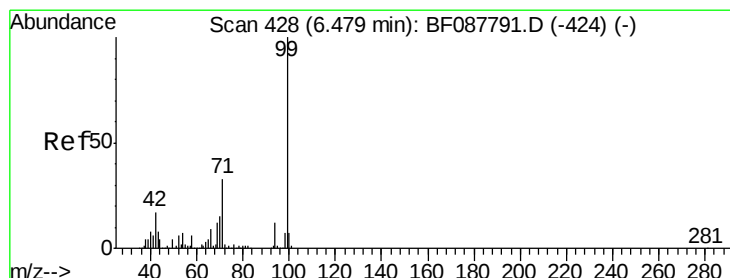
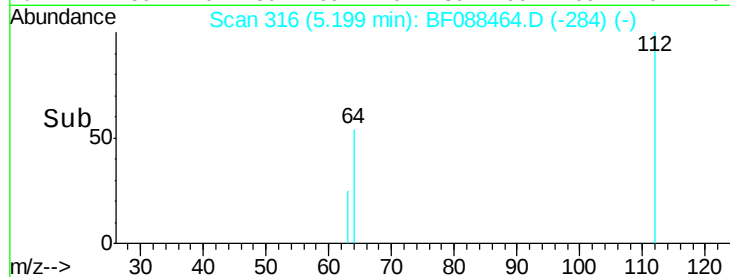
1000

500

0

5.10 5.20 5.30 5.40

Time-->



#7

Phenol-d6

Concen: 138.68 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.01 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

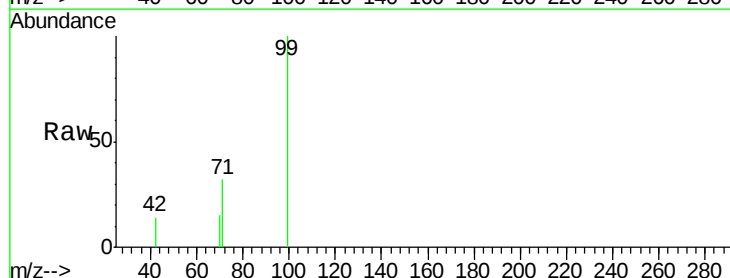
Tgt Ion: 99 Resp: 15405

Ion Ratio Lower Upper

99 100

42 13.6 12.2 18.2

71 32.0 23.4 35.0



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

3000

2500

2000

1500

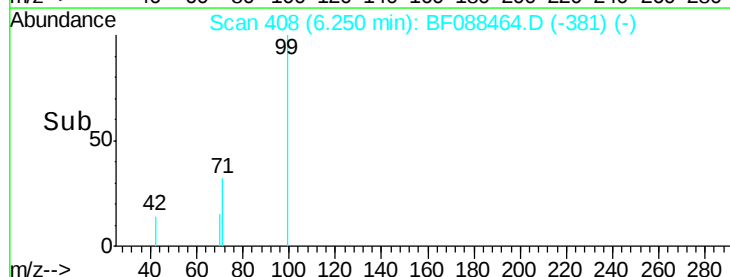
1000

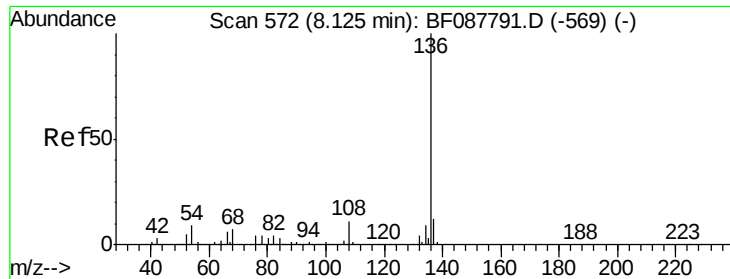
500

0

6.20 6.40 6.60

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

Tgt Ion:136 Resp: 9879

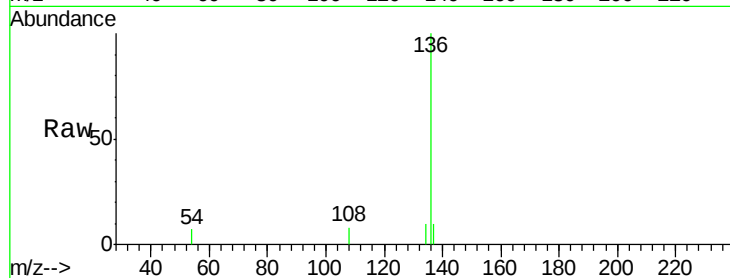
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 6.8 6.6 10.0

68 0.0 5.1 7.7#

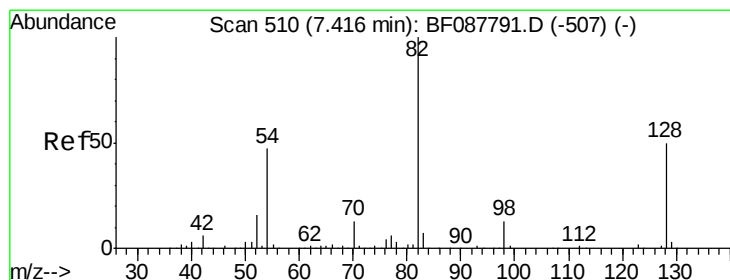
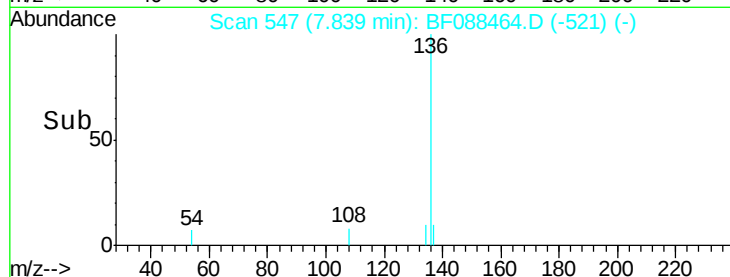
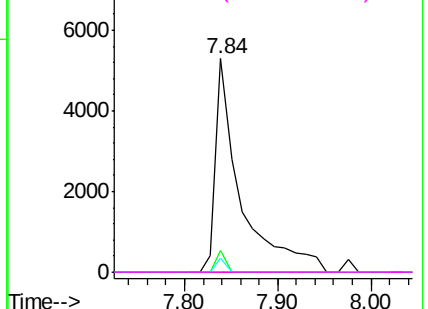


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 48.11 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.02 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

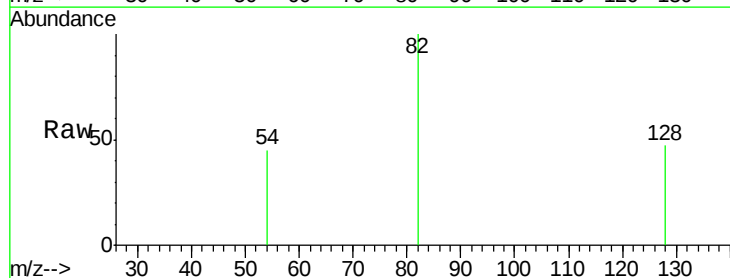
Tgt Ion: 82 Resp: 8139

Ion Ratio Lower Upper

82 100

128 46.9 35.9 53.9

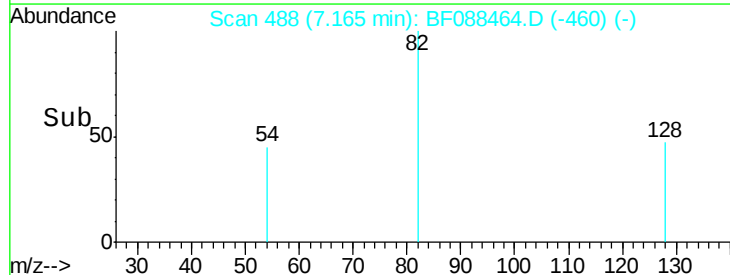
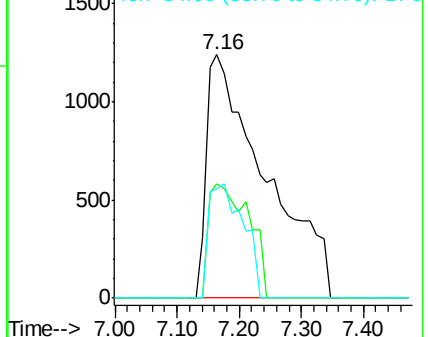
54 45.0 40.9 61.3

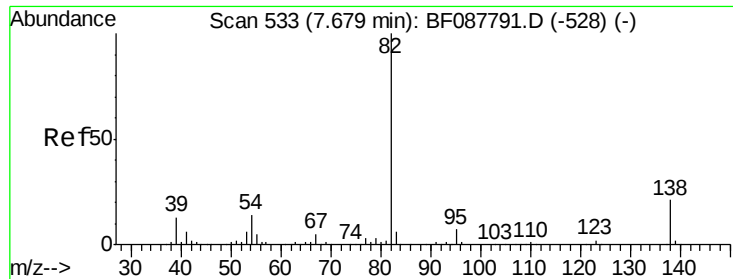


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

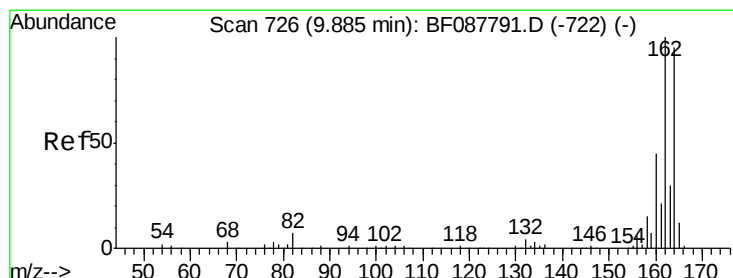
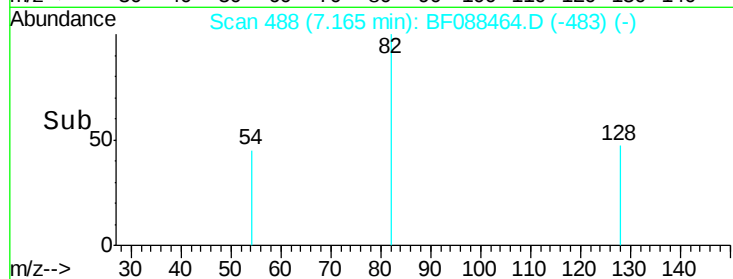
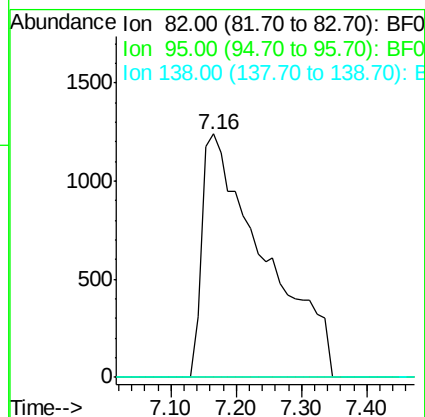
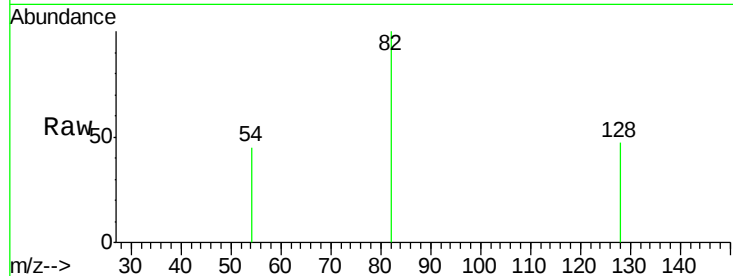




#25
Isophorone
Concen: 25.97 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.24 min
Lab File: BF088464.D
Acq: 27 Jun 2016 21:23

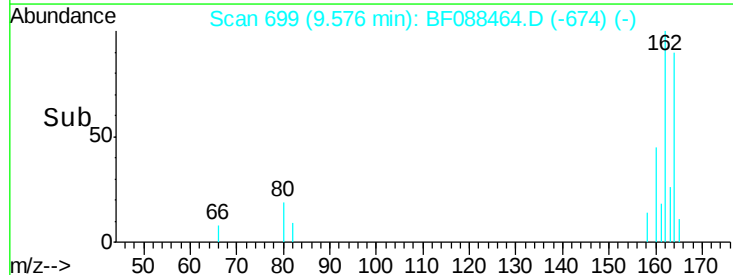
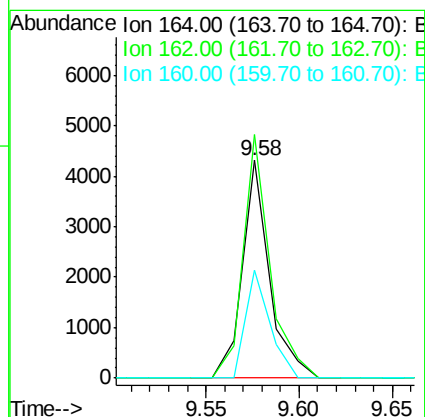
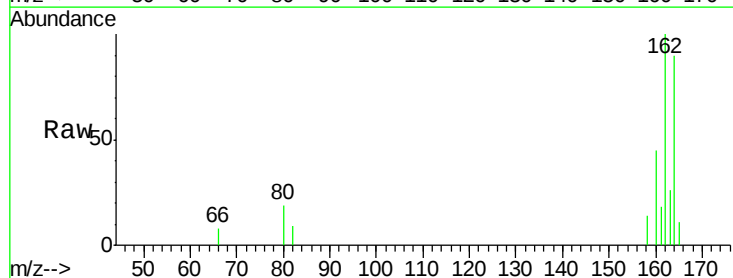
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-PAV-2

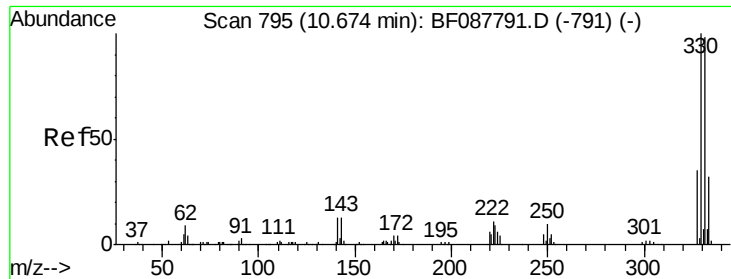
Tgt Ion: 82 Resp: 8138
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF088464.D
Acq: 27 Jun 2016 21:23

Tgt Ion: 164 Resp: 4360
Ion Ratio Lower Upper
164 100
162 111.7 85.4 128.2
160 49.7 39.5 59.3

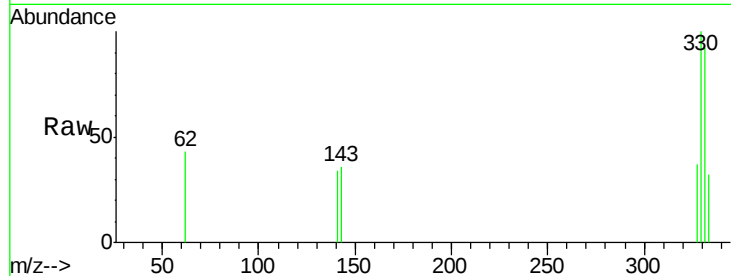




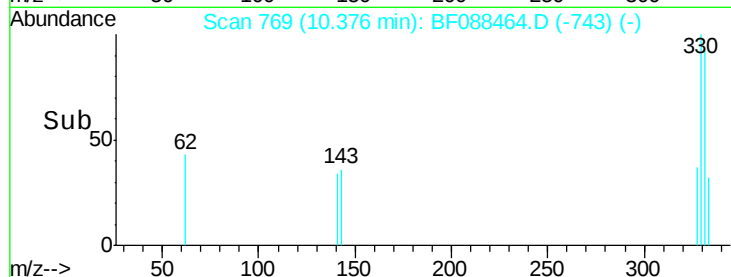
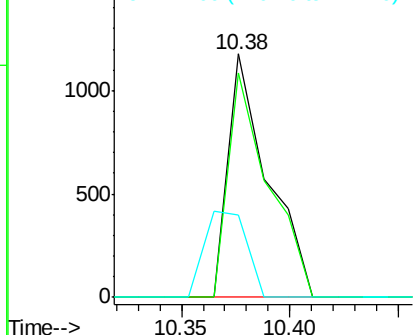
#41
 2,4,6-Tribromophenol
 Concen: 32.45 ng
 RT: 10.38 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BF088464.D
 Acq: 27 Jun 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-PAV-2

Tgt Ion:330 Resp: 1494
 Ion Ratio Lower Upper
 330 100
 332 94.0 0.0 0.0#
 141 37.6 0.0 0.0#

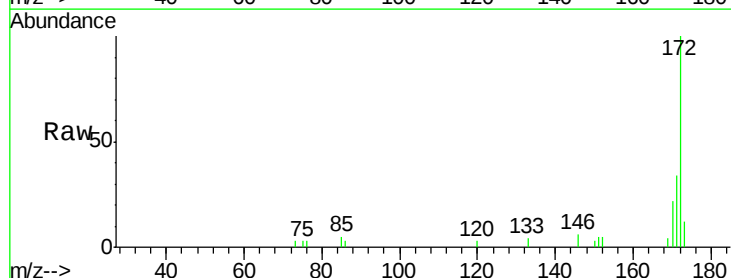


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

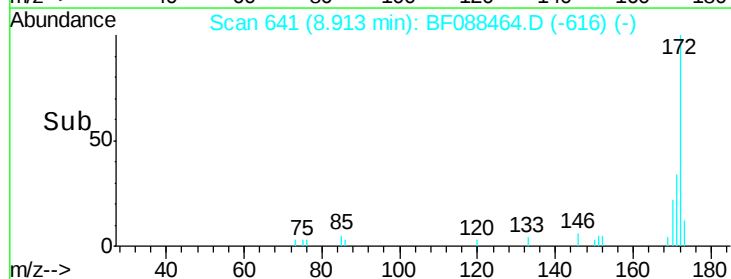
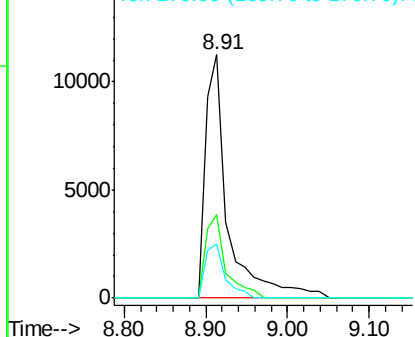


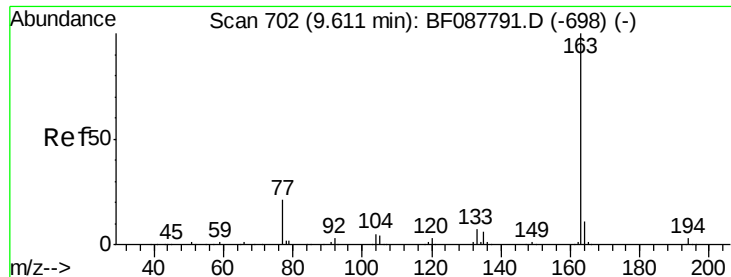
#44
 2-Fluorobiphenyl
 Concen: 77.71 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF088464.D
 Acq: 27 Jun 2016 21:23

Tgt Ion:172 Resp: 21701
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.6 43.0
 170 22.4 19.2 28.8



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: 7.72 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

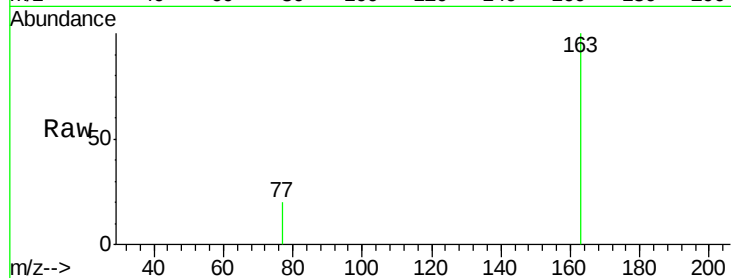
Tgt Ion:163 Resp: 2437

Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

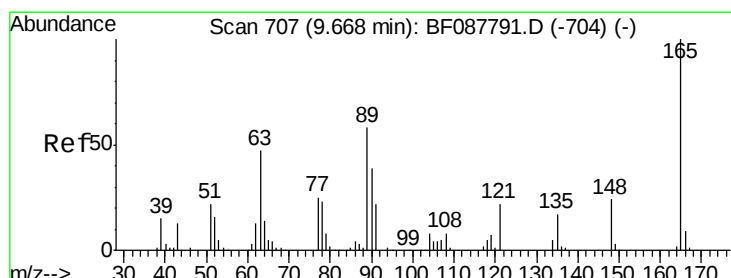
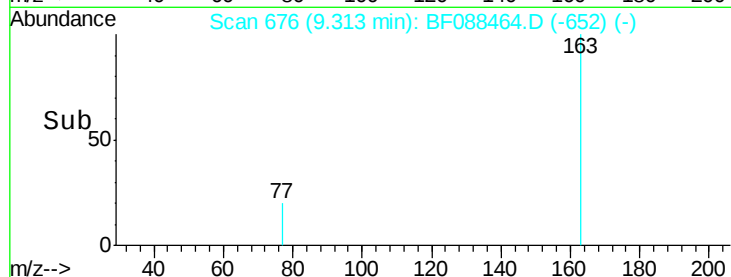
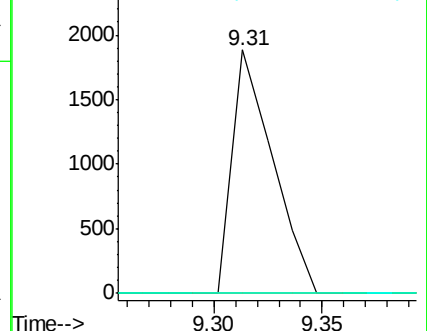
164 0.0 8.3 12.5#



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



#50

2,6-Dinitrotoluene

Concen: 5.06 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.17 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

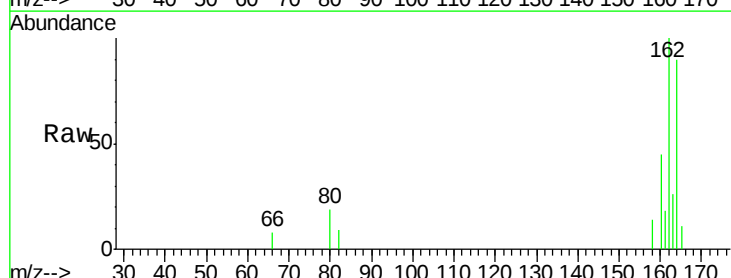
Tgt Ion:165 Resp: 366

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

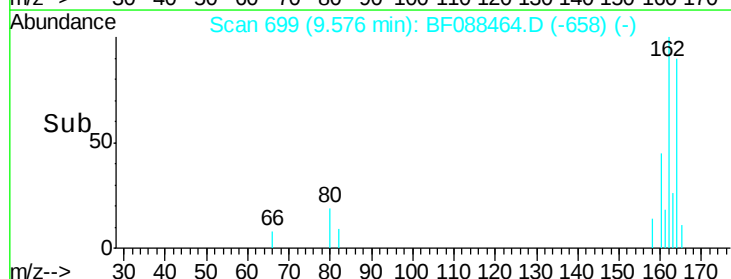
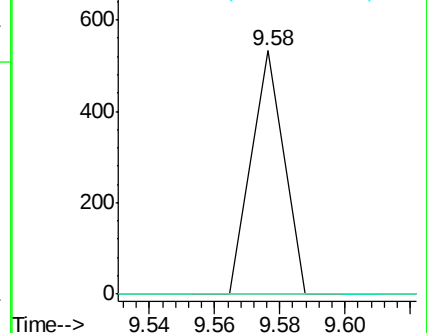
89 0.0 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

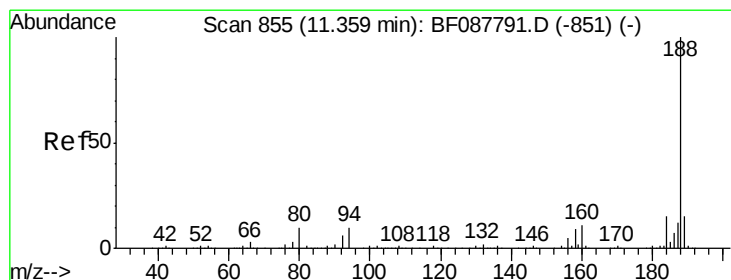
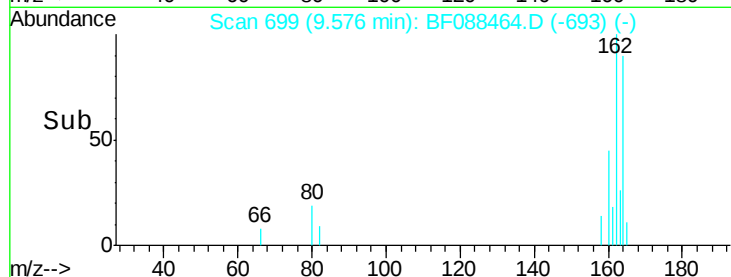
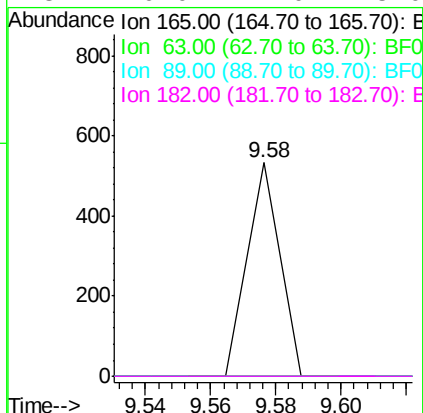
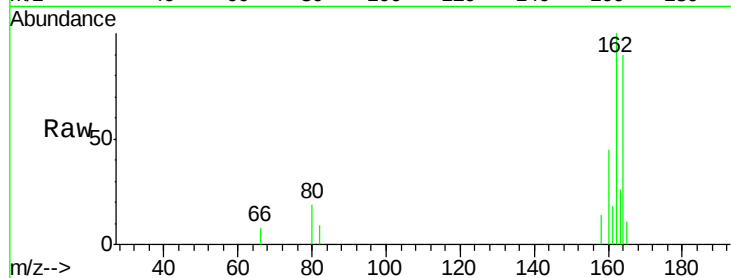




#56
 2,4-Dinitrotoluene
 Concen: 3.94 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.23 min
 Lab File: BF088464.D
 Acq: 27 Jun 2016 21:23

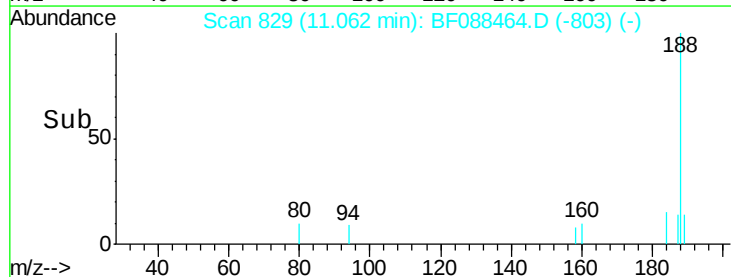
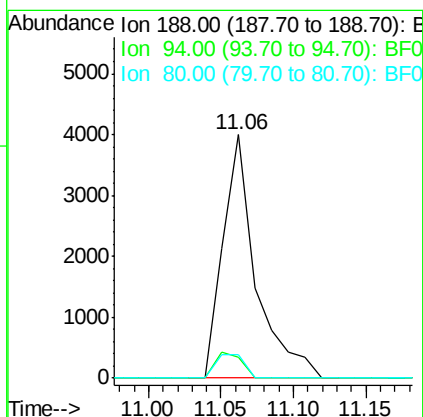
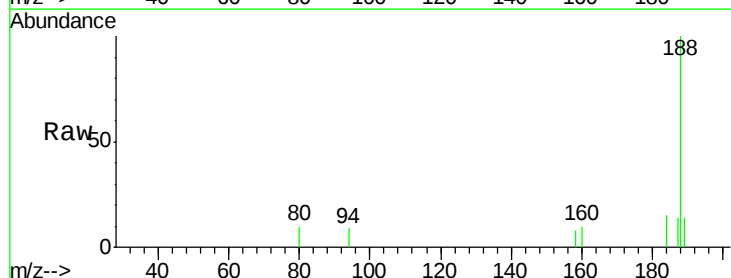
Instrument :
 BNA_F
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 TEC-COMP-PAV-2

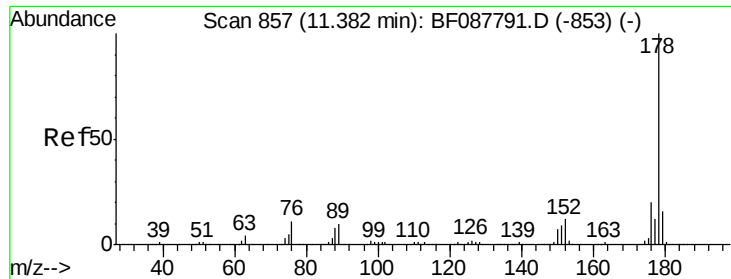
Tgt Ion:	165	Resp:	366
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF088464.D
 Acq: 27 Jun 2016 21:23

Tgt Ion:	188	Resp:	6289
Ion	Ratio	Lower	Upper
188	100		
94	8.5	9.0	13.6#
80	9.7	10.0	15.0#

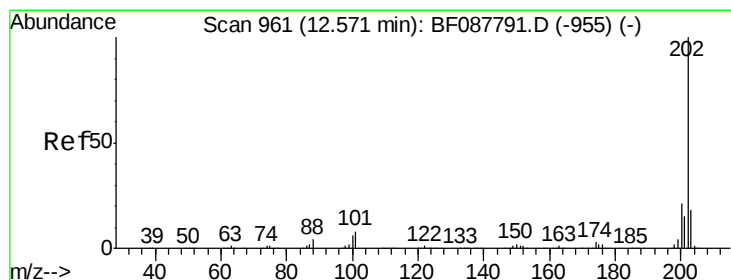
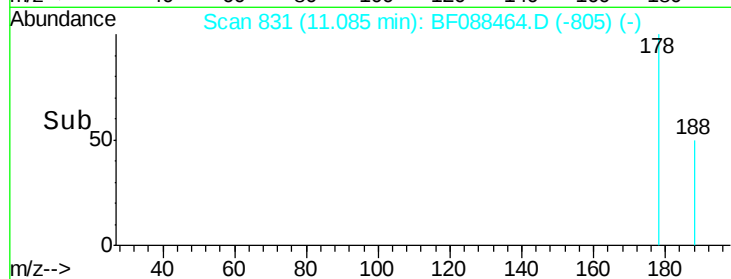
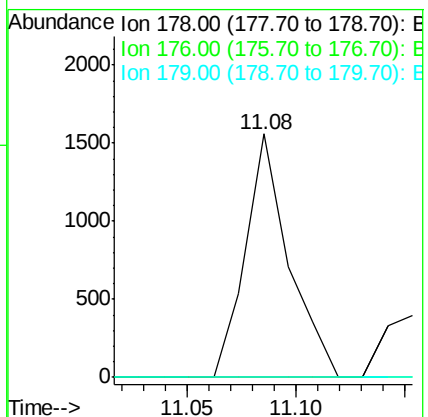
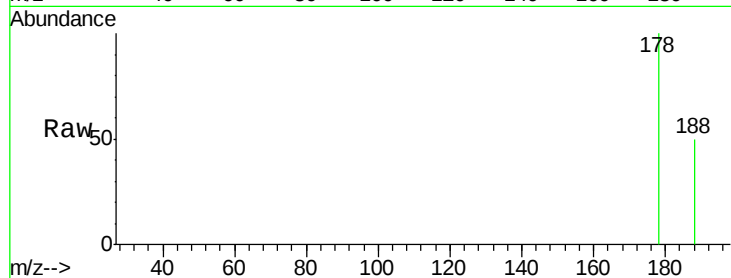




#70
Phenanthrene
Concen: 6.57 ng
RT: 11.08 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF088464.D
Acq: 27 Jun 2016 21:23

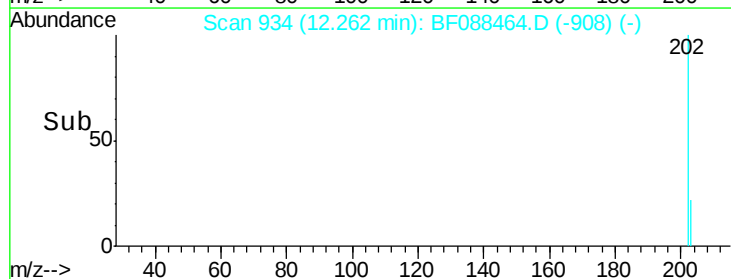
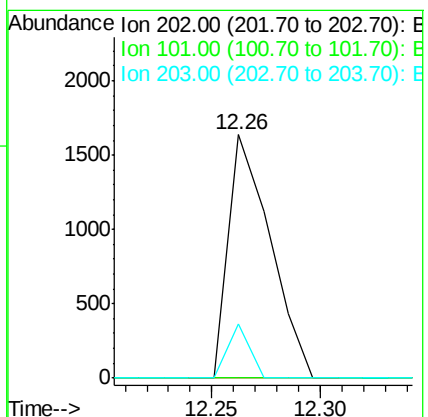
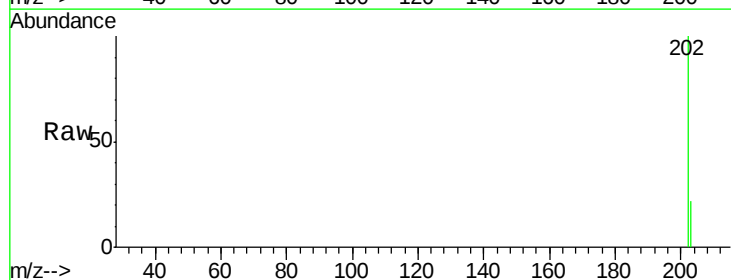
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-PAV-2

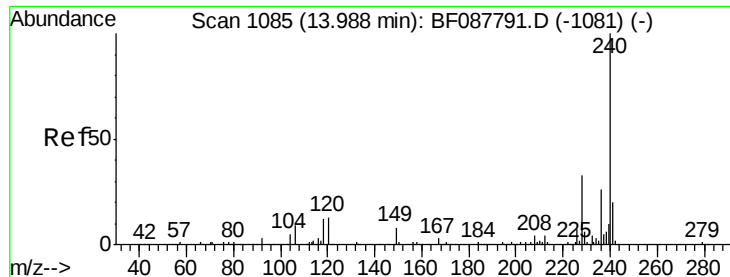
Tgt Ion:178 Resp: 2168
Ion Ratio Lower Upper
178 100
176 0.0 15.8 23.6#
179 0.0 13.0 19.4#



#74
Fluoranthene
Concen: 6.29 ng
RT: 12.26 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF088464.D
Acq: 27 Jun 2016 21:23

Tgt Ion:202 Resp: 2191
Ion Ratio Lower Upper
202 100
101 0.0 0.0 33.1
203 22.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

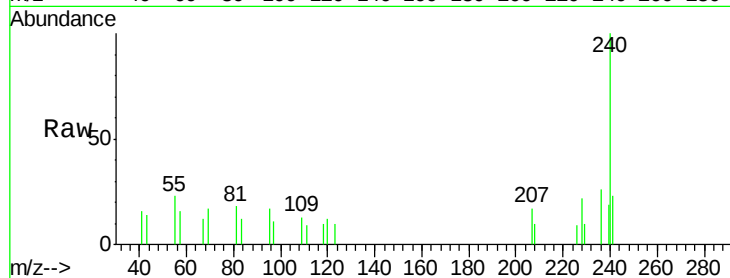
Tgt Ion:240 Resp: 6157

Ion Ratio Lower Upper

240 100

120 12.1 6.8 10.2#

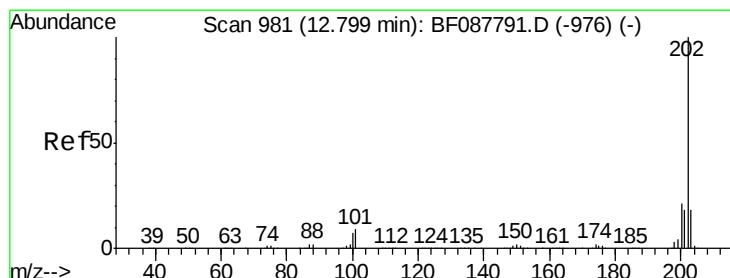
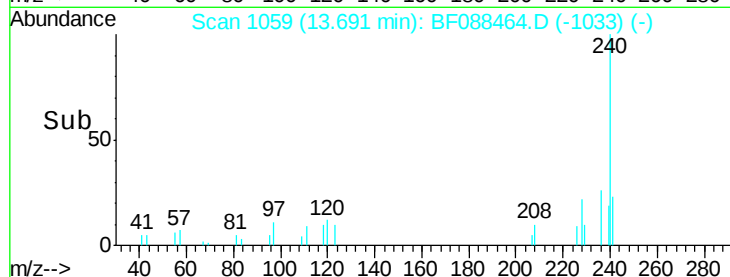
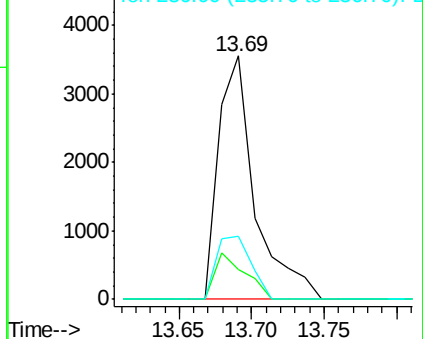
236 25.9 20.2 30.2



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



#77

Pyrene

Concen: 5.08 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

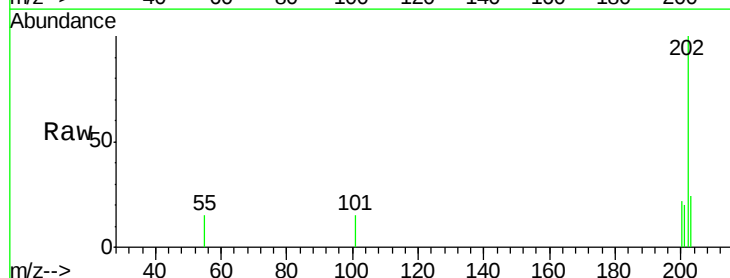
Tgt Ion:202 Resp: 2321

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

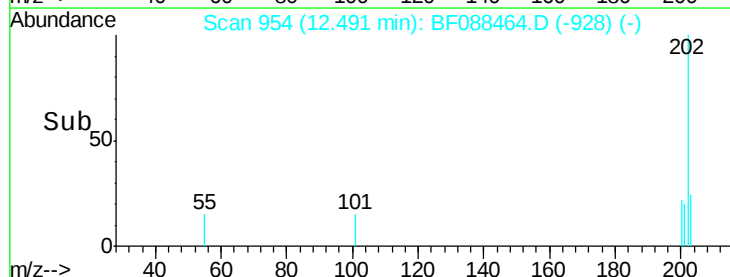
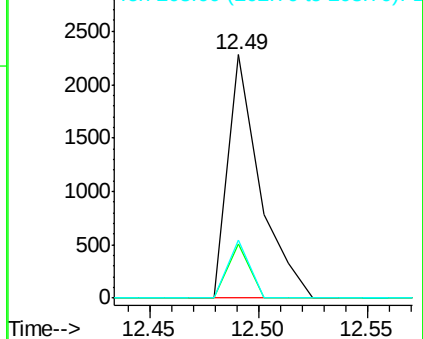
203 23.7 14.5 21.7#

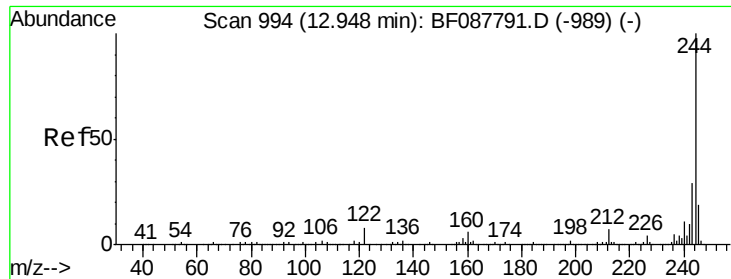


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

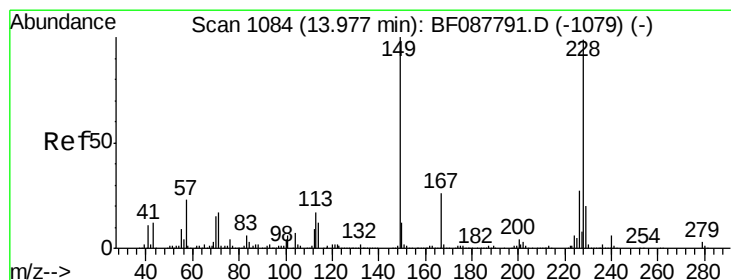
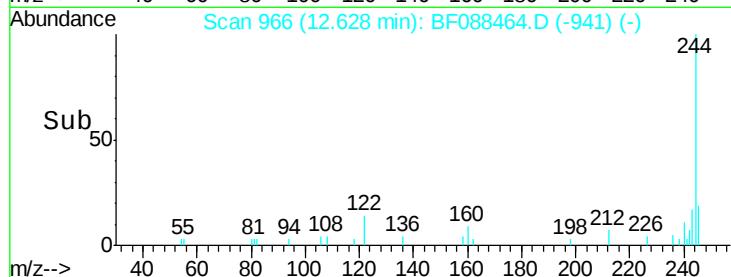
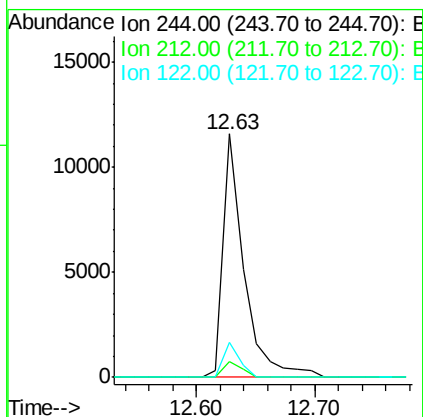
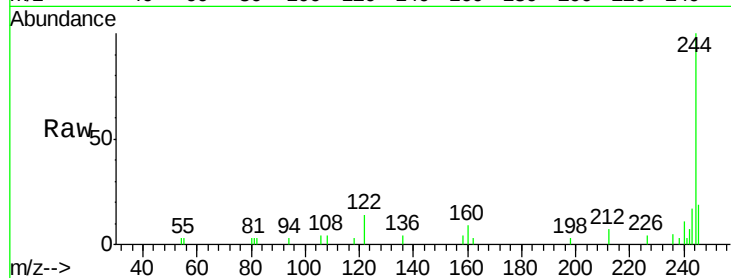




#78
 Terphenyl-d14
 Concen: 52.33 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BF088464.D
 Acq: 27 Jun 2016 21:23

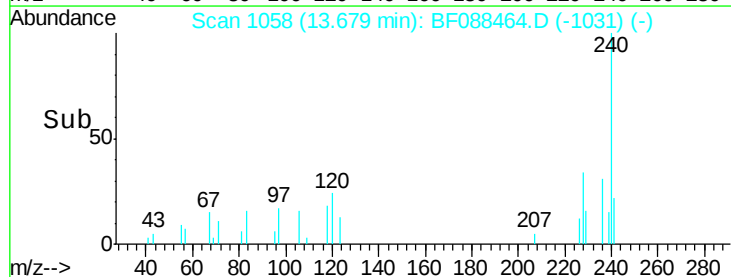
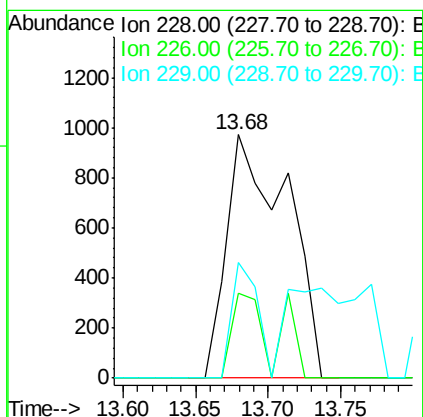
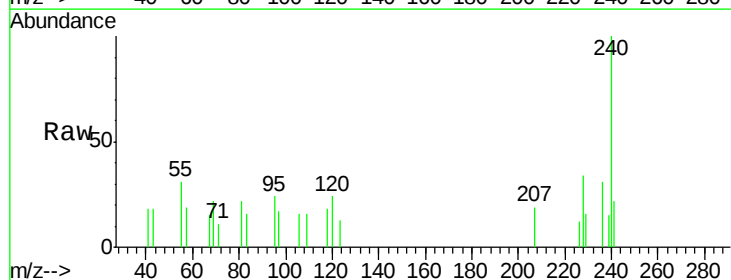
Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-PAV-2

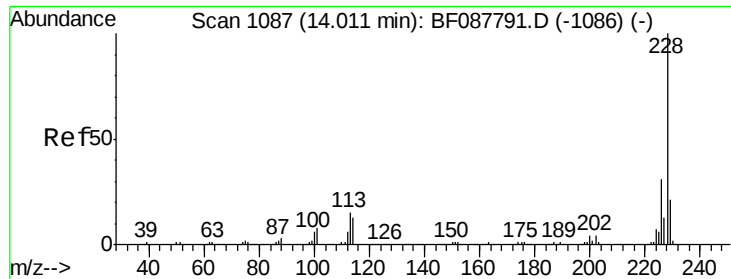
Tgt Ion: 244 Resp: 14158
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 14.1 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 8.04 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: BF088464.D
 Acq: 27 Jun 2016 21:23

Tgt Ion: 228 Resp: 2821
 Ion Ratio Lower Upper
 228 100
 226 34.9 22.3 33.5#
 229 47.6 16.0 24.0#





#82

Chrysene

Concen: 8.55 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

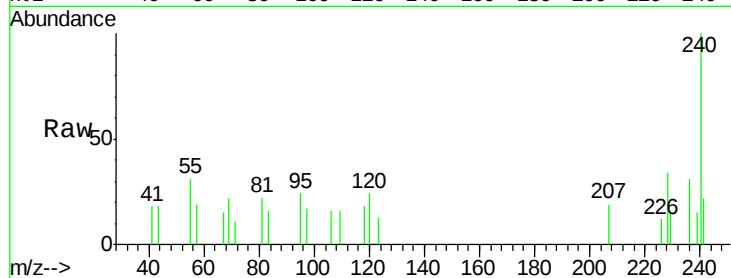
Tgt Ion: 228 Resp: 2821

Ion Ratio Lower Upper

228 100

226 34.9 25.4 38.2

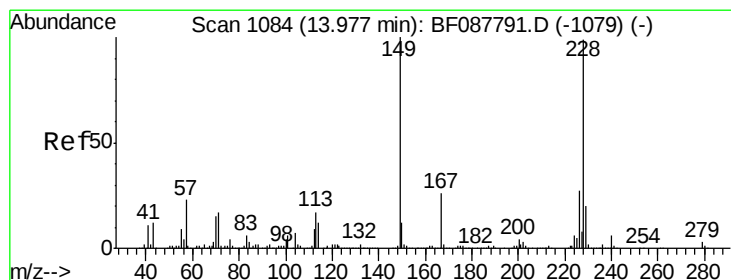
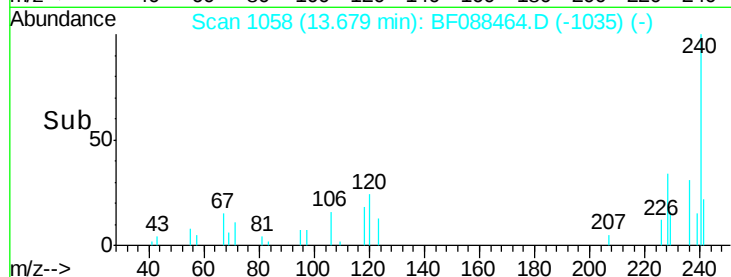
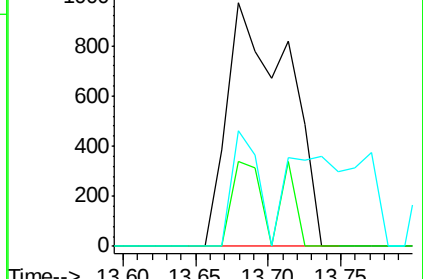
229 47.6 16.3 24.5#



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

Bis(2-ethylhexyl)phthalate

Concen: 2.48 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

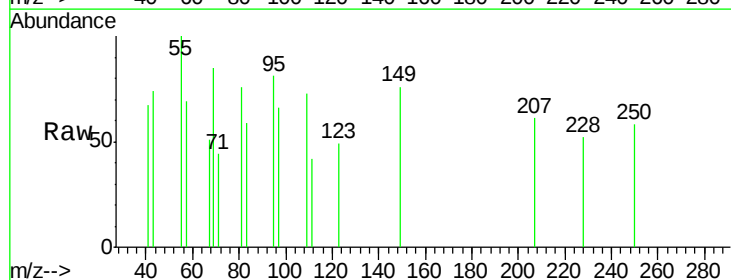
Tgt Ion: 149 Resp: 610

Ion Ratio Lower Upper

149 100

167 0.0 20.5 30.7#

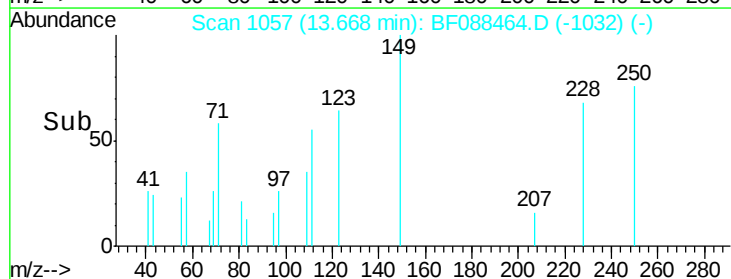
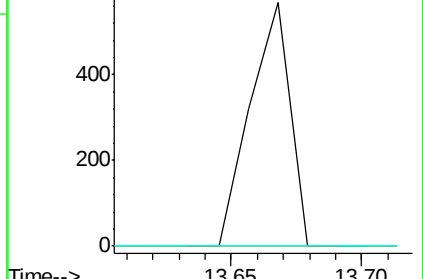
279 0.0 2.0 3.0#

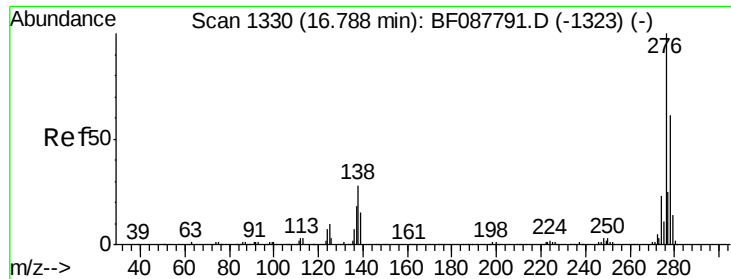


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.89 ng

RT: 16.31 min Scan# 1288

Delta R.T. 0.03 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

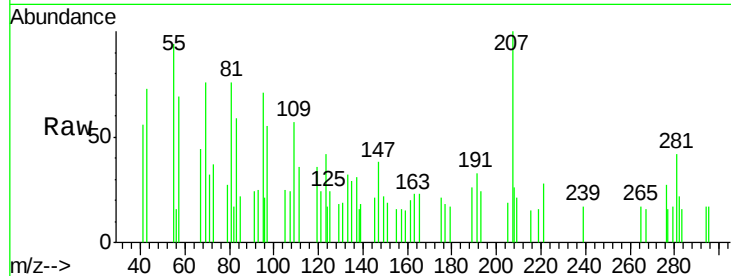
Tgt Ion:276 Resp: 1192

Ion Ratio Lower Upper

276 100

138 36.8 0.0 0.0#

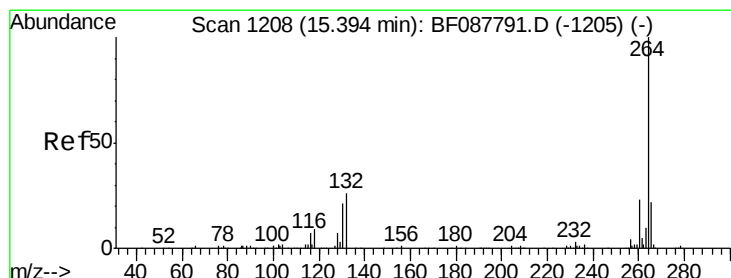
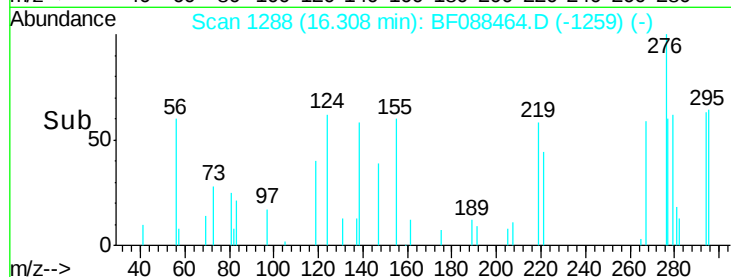
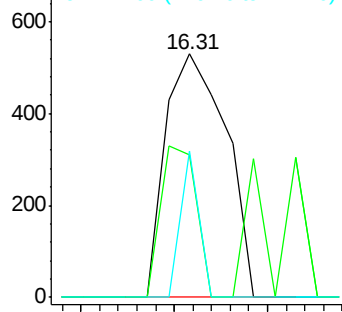
277 18.3 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.04 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

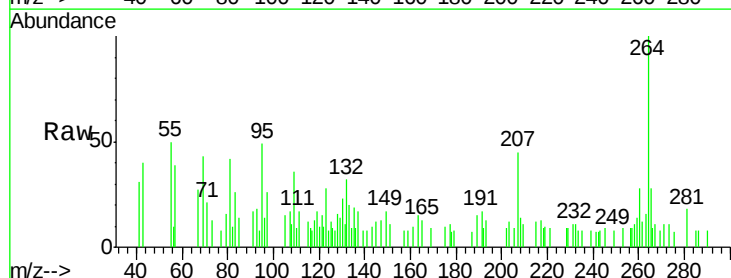
Tgt Ion:264 Resp: 7512

Ion Ratio Lower Upper

264 100

260 28.4 19.2 28.8

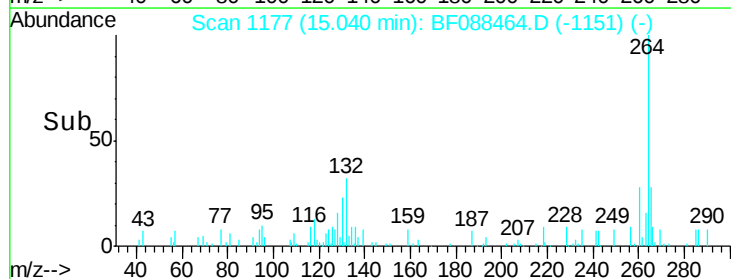
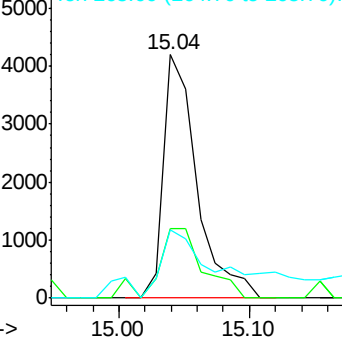
265 28.3 16.9 25.3#

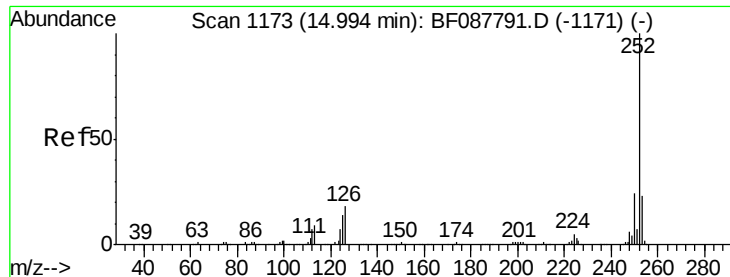


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

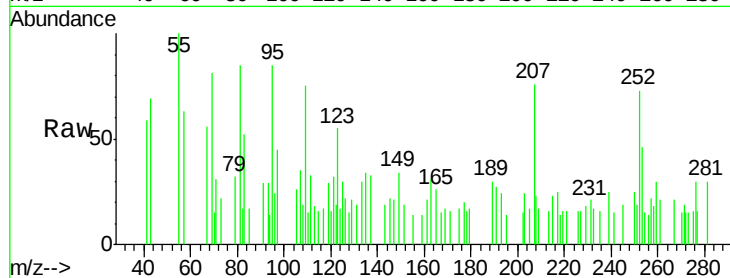




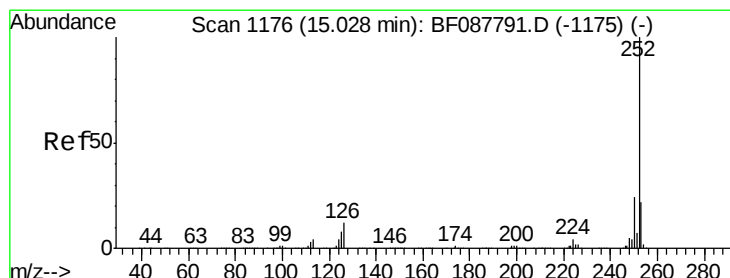
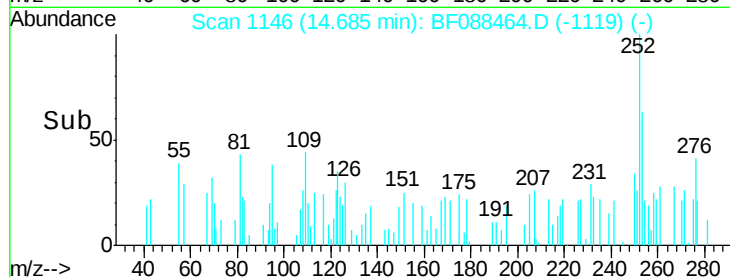
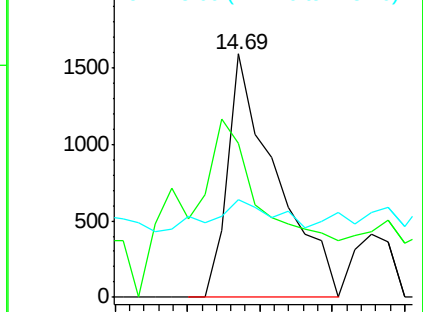
#87
Benzo(b)fluoranthene
Concen: 7.06 ng
RT: 14.69 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF088464.D
Acq: 27 Jun 2016 21:23

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-PAV-2

Tgt Ion:252 Resp: 3694
Ion Ratio Lower Upper
252 100
253 63.1 17.4 26.2#
125 40.2 7.1 10.7#

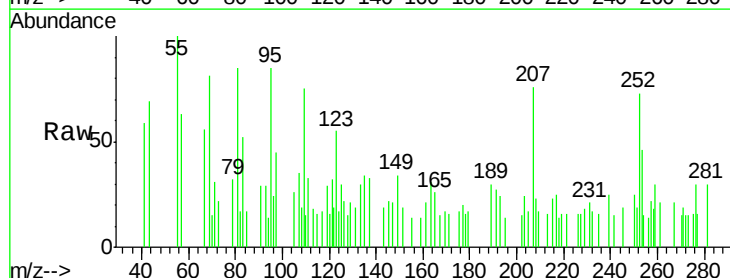


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

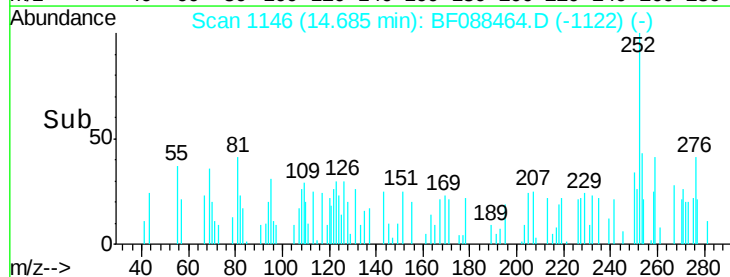
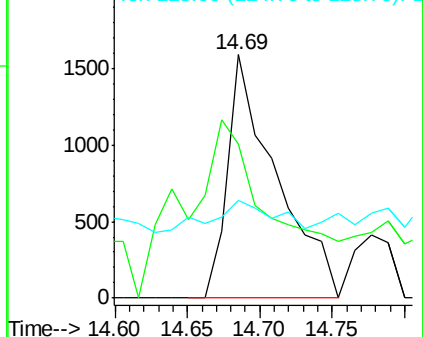


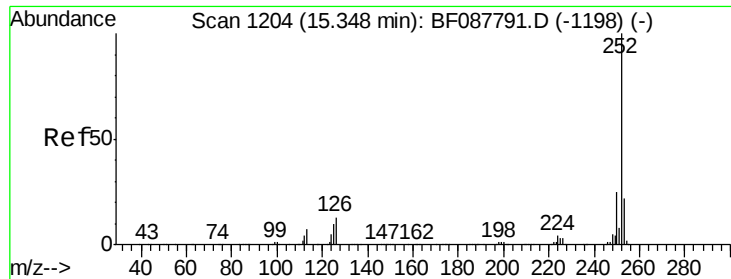
#88
Benzo(k)fluoranthene
Concen: 9.35 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF088464.D
Acq: 27 Jun 2016 21:23

Tgt Ion:252 Resp: 3694
Ion Ratio Lower Upper
252 100
253 63.1 18.0 27.0#
125 40.2 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.48 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-PAV-2

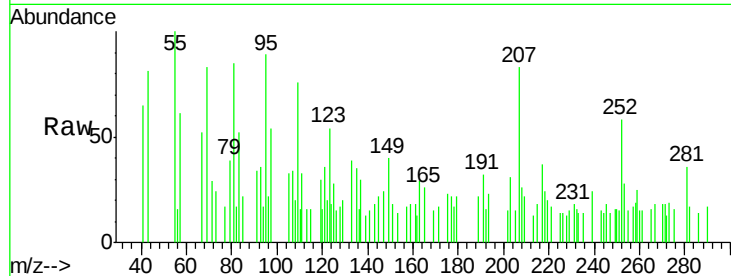
Tgt Ion:252 Resp: 2321

Ion Ratio Lower Upper

252 100

253 48.4 17.9 26.9#

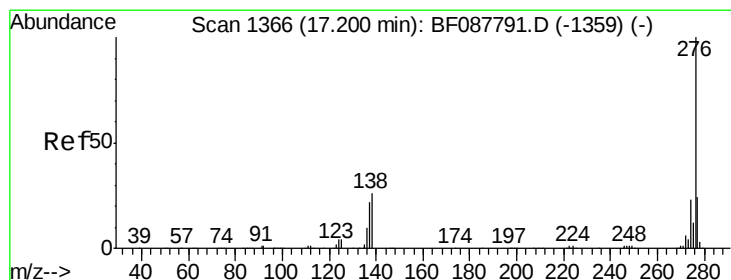
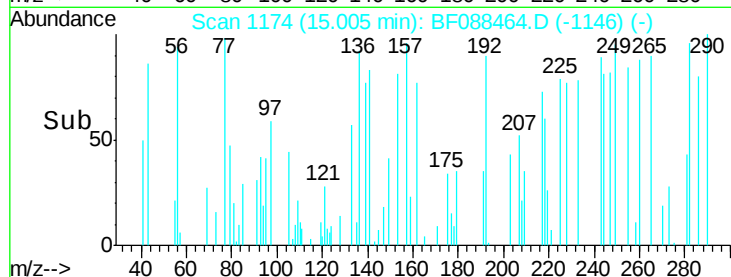
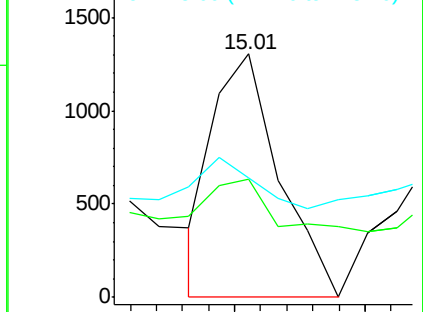
125 49.0 12.5 18.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.03 ng

RT: 16.69 min Scan# 1321

Delta R.T. 0.06 min

Lab File: BF088464.D

Acq: 27 Jun 2016 21:23

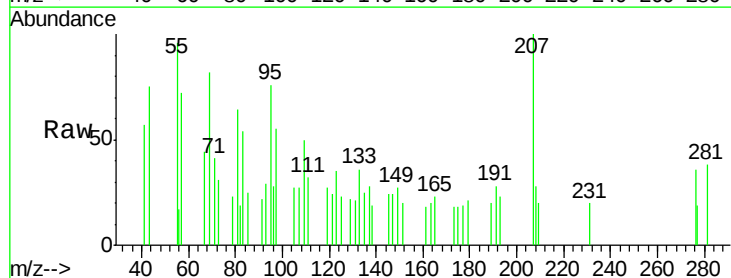
Tgt Ion:276 Resp: 1633

Ion Ratio Lower Upper

276 100

277 51.9 18.9 28.3#

138 54.3 21.4 32.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

