

Data Path : Z:\HPCHEM1\BNA F\Data\BF052316\
 Data File : BF087336.D
 Acq On : 24 May 2016 11:47
 Operator : UM/SJ
 Sample : H3168-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Quant Time: May 24 19:03:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 01:40:43 2016
 Response via : Initial Calibration

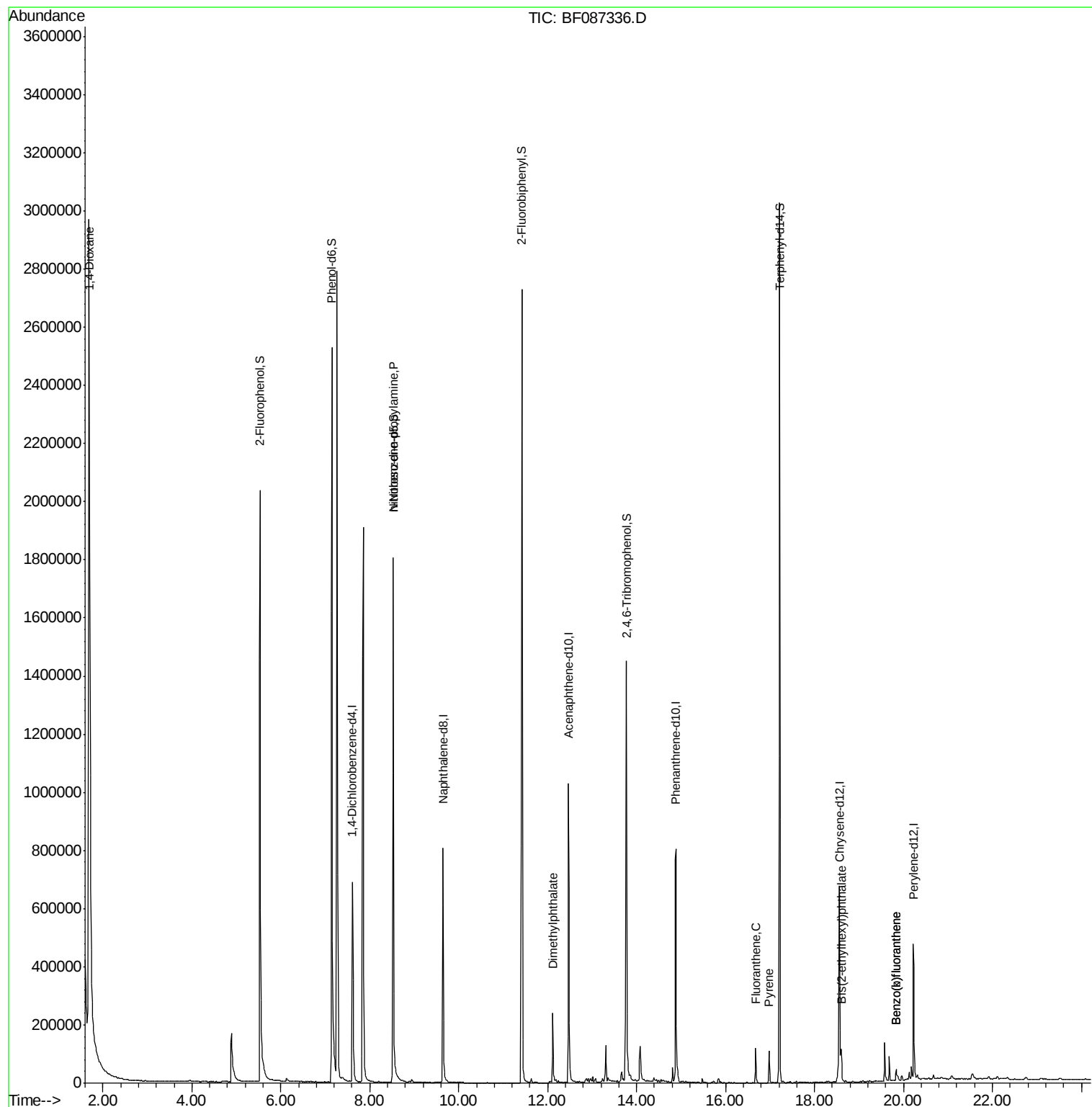
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	136844	20.00	ng	0.00
21) Naphthalene-d8	9.64	136	585997	20.00	ng	0.00
38) Acenaphthene-d10	12.47	164	273221	20.00	ng	-0.01
63) Phenanthrene-d10	14.88	188	497724	20.00	ng	0.00
75) Chrysene-d12	18.56	240	350743	20.00	ng	0.00
86) Perylene-d12	20.22	264	266967	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	853060	109.54	ng	0.01
7) Phenol-d6	7.15	99	1126059	107.01	ng	-0.01
23) Nitrobenzene-d5	8.52	82	797789	68.61	ng	-0.01
41) 2,4,6-Tribromophenol	13.77	330	259467	98.82	ng	-0.01
44) 2-Fluorobiphenyl	11.42	172	1333050	68.78	ng	-0.01
78) Terphenyl-d14	17.21	244	1110318	67.30	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.69	88	139398	33.92	ng	# 22
19) n-Nitroso-di-n-propylamine	8.52	70	107109	13.65	ng	# 76
49) Dimethylphthalate	12.11	163	130508	5.96	ng	99
74) Fluoranthene	16.67	202	74196	2.68	ng	94
77) Pyrene	16.97	202	67726	2.68	ng	96
83) Bis(2-ethylhexyl)phthalate	18.61	149	44143	2.70	ng	# 98
87) Benzo(b)fluoranthene	19.84	252	35644	2.10	ng	98
88) Benzo(k)fluoranthene	19.84	252	35644	2.44	ng	99

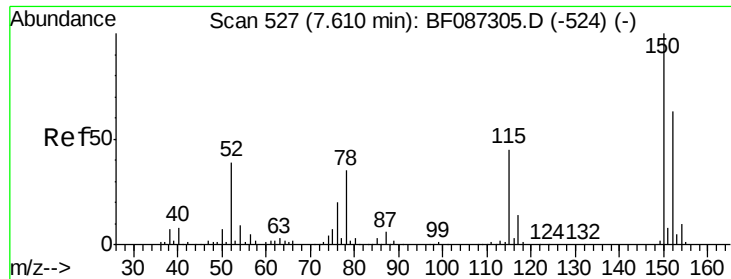
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

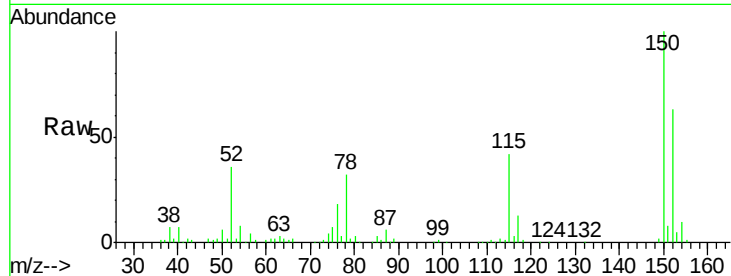
Tot Ion:152 Resp: 136844

Ion Ratio Lower Upper

152 100

150 159.6 125.8 188.6

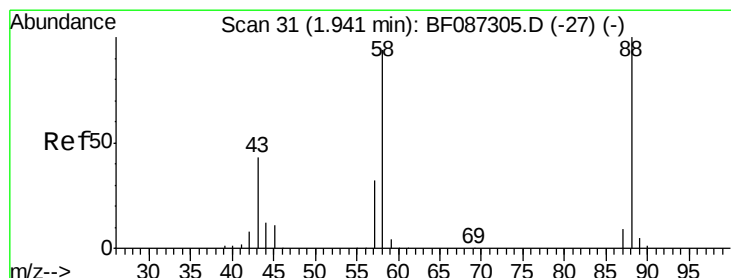
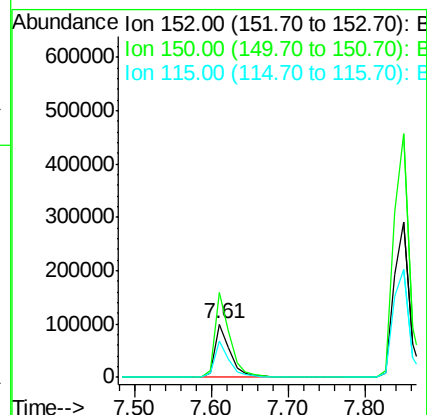
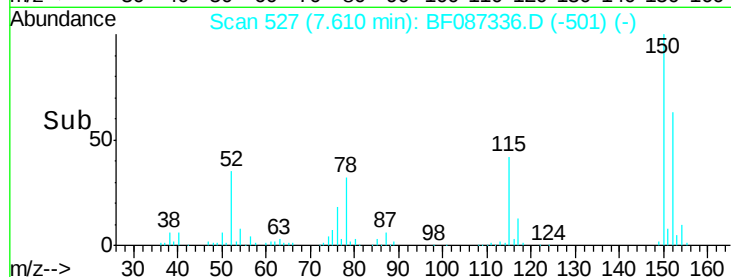
115 67.3 51.5 77.3



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: 33.92 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

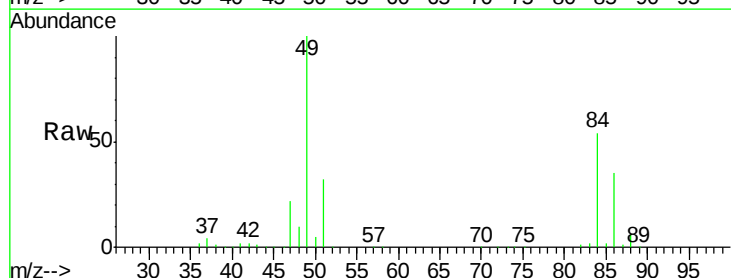
Tgt Ion: 88 Resp: 139398

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

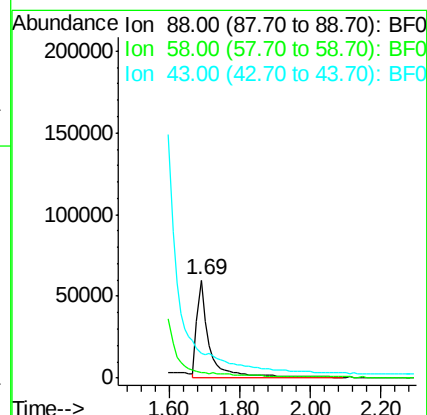
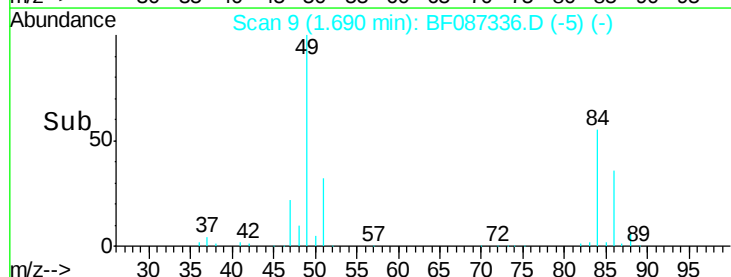
43 0.0 21.8 32.6#

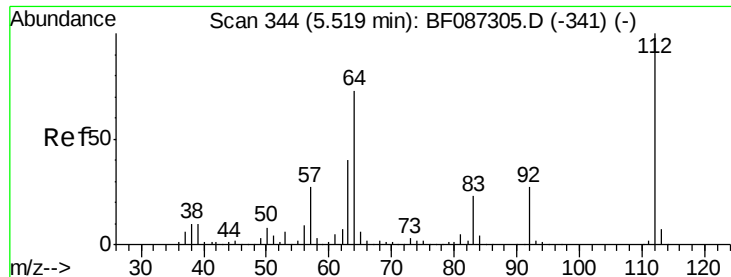


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 109.54 ng

RT: 5.53 min Scan# 345

Delta R.T. 0.01 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

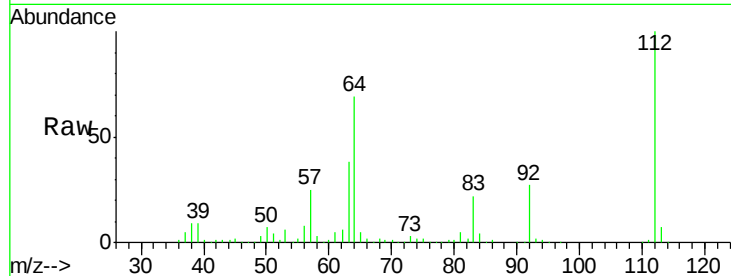
Tot Ion:112 Resp: 853060

Ion Ratio Lower Upper

112 100

64 68.7 52.1 78.1

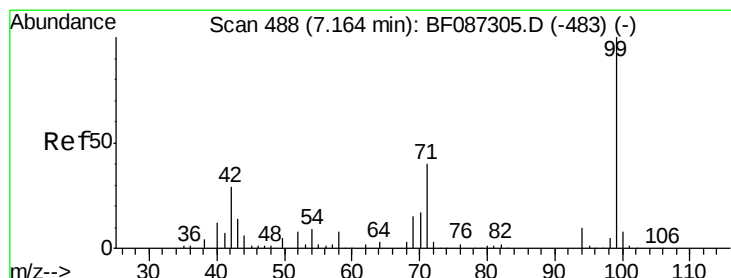
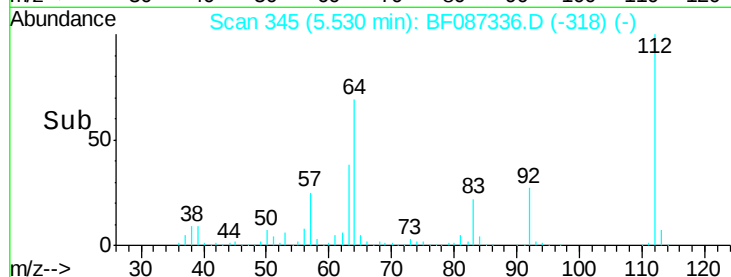
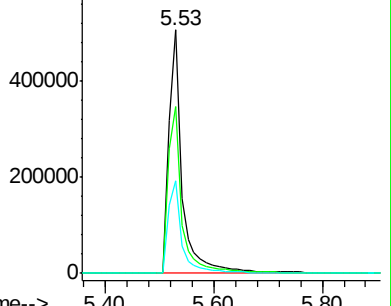
63 37.8 25.7 38.5



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: 107.01 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

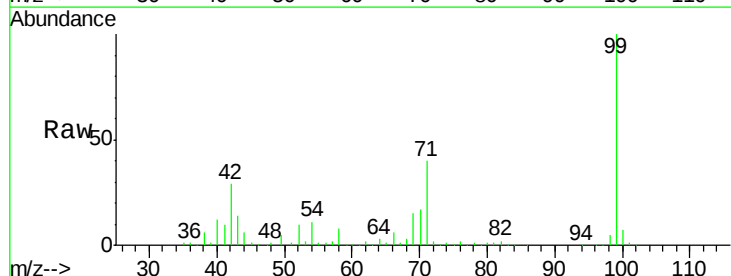
Tgt Ion: 99 Resp: 1126059

Ion Ratio Lower Upper

99 100

42 29.0 13.6 20.4#

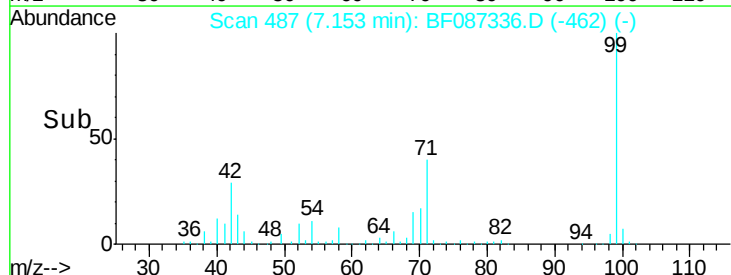
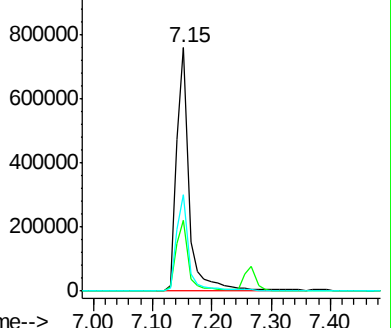
71 39.8 24.6 36.8#

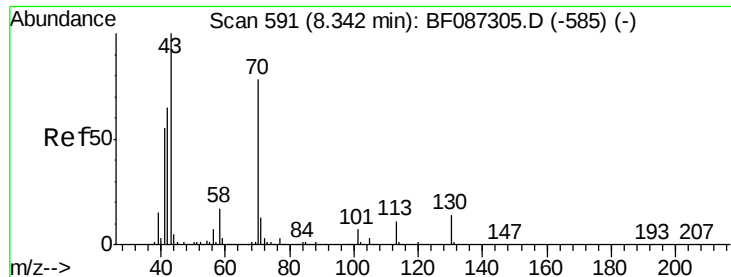


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

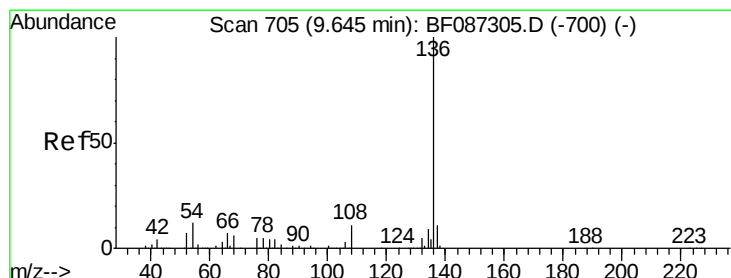
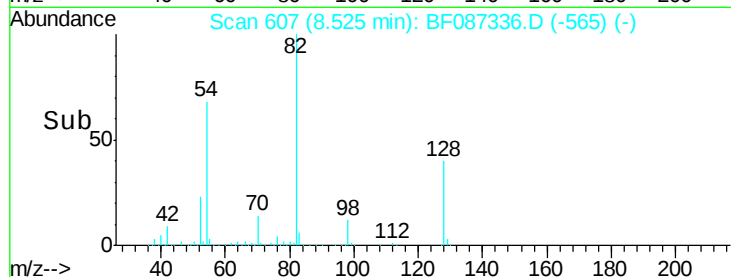
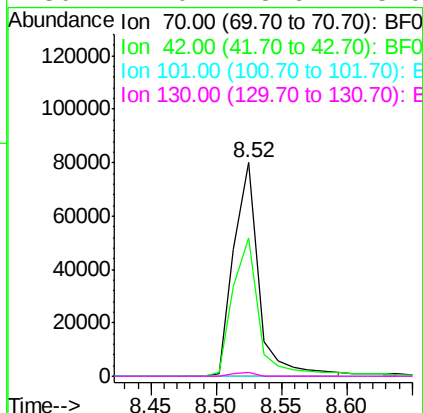
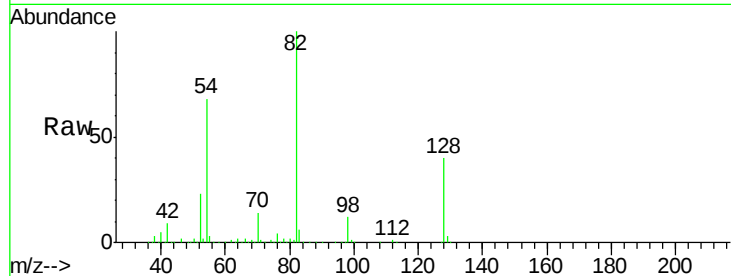




#19
n-Nitroso-di-n-propylamine
Concen: 13.65 ng
RT: 8.52 min Scan# 607
Delta R.T. 0.18 min
Lab File: BF087336.D
Acq: 24 May 2016 11:47

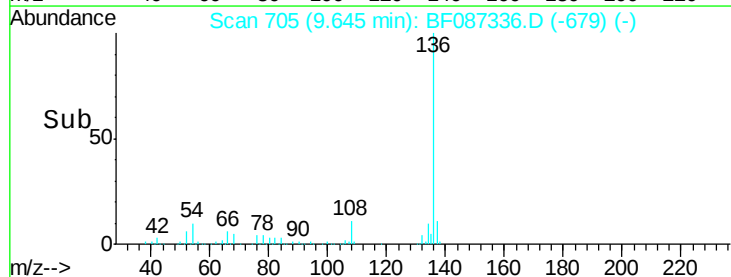
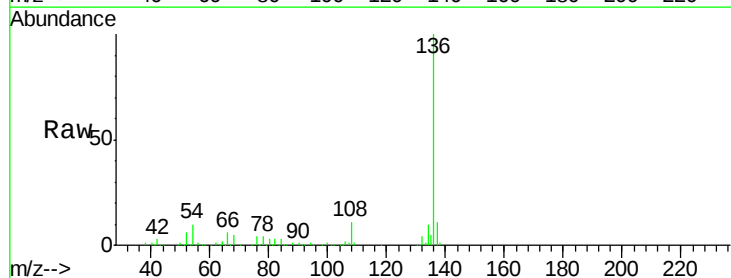
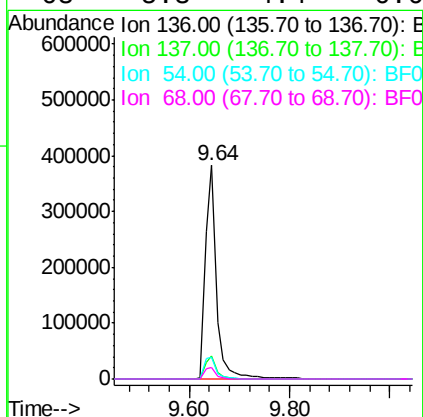
Instrument :
BNA_F
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SB-13-COMP

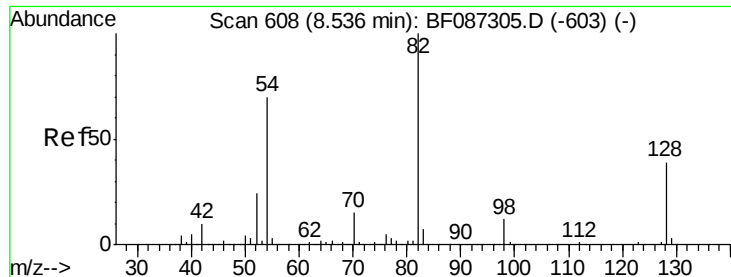
Tot Ion	Ratio	Lower	Upper
70	100		
42	64.8	43.1	64.7#
101	0.0	8.1	12.1#
130	2.0	18.6	28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF087336.D
Acq: 24 May 2016 11:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.1	5.0	7.4#
68	5.3	4.4	6.6

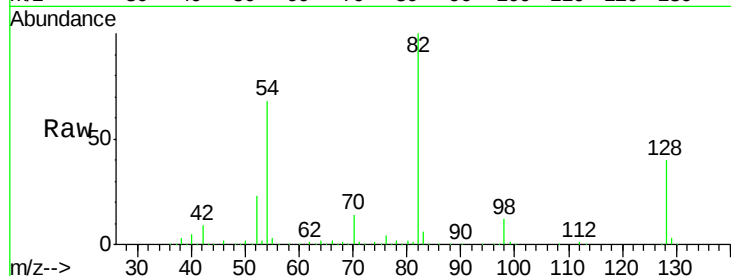




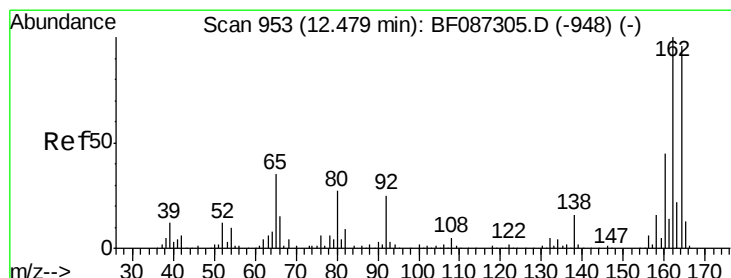
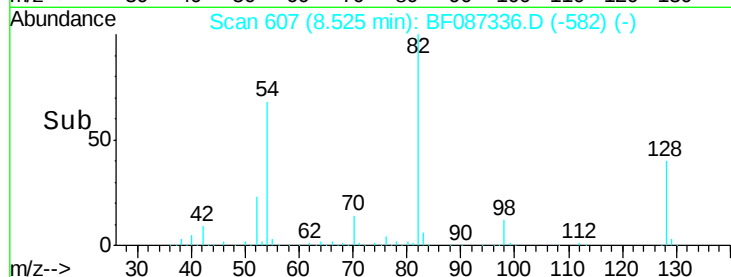
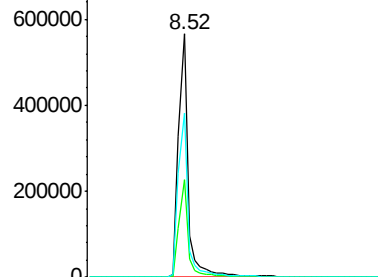
#23
 Nitrobenzene-d5
 Concen: 68.61 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF087336.D
 Acq: 24 May 2016 11:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tot Ion: 82 Resp: 797789
 Ion Ratio Lower Upper
 82 100
 128 40.2 40.6 61.0#
 54 67.7 38.1 57.1#

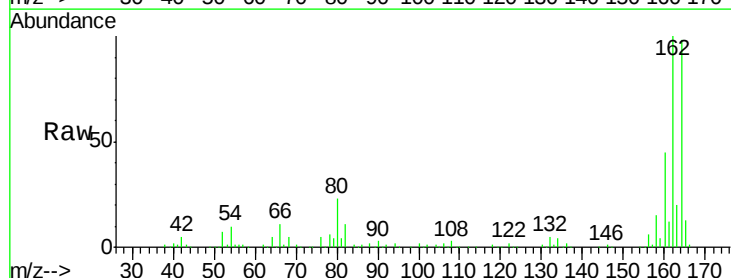


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

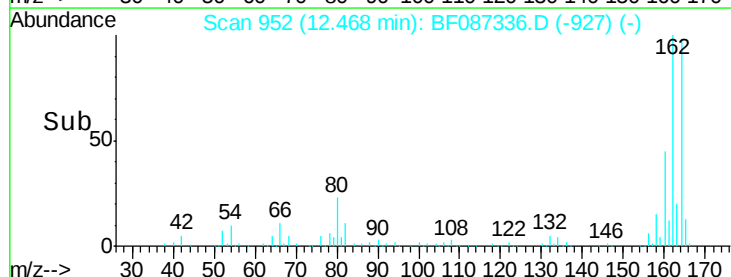
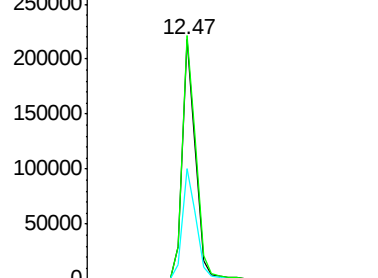


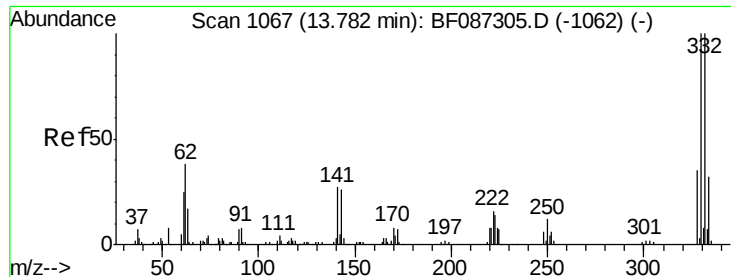
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.47 min Scan# 952
 Delta R.T. -0.01 min
 Lab File: BF087336.D
 Acq: 24 May 2016 11:47

Tgt Ion: 164 Resp: 273221
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.8 124.2
 160 46.2 36.9 55.3



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: 98.82 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

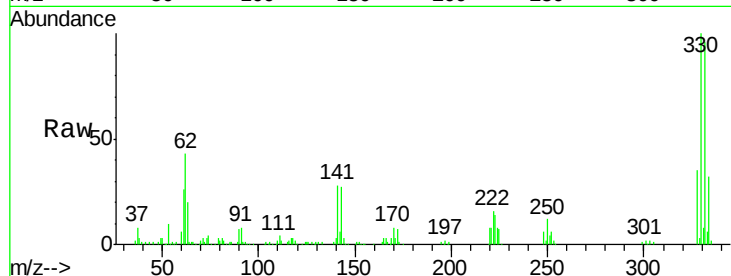
Tot Ion:330 Resp: 259467

Ion Ratio Lower Upper

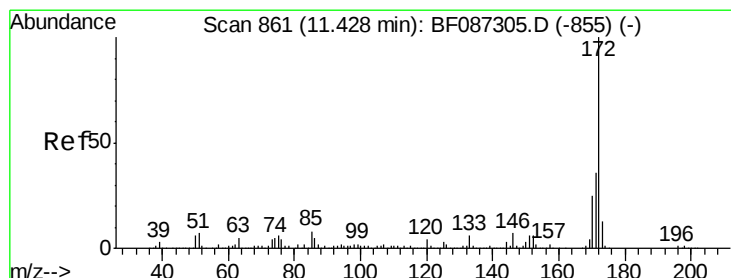
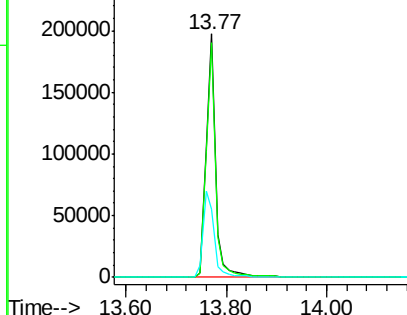
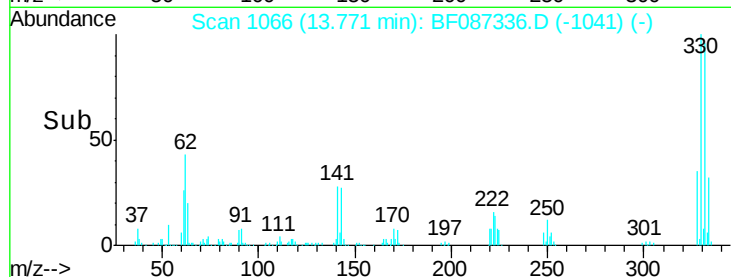
330 100

332 96.6 79.0 118.4

141 41.7 31.2 46.8



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: 68.78 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

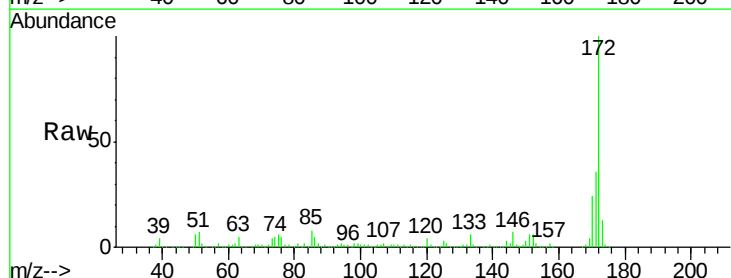
Tgt Ion:172 Resp: 1333050

Ion Ratio Lower Upper

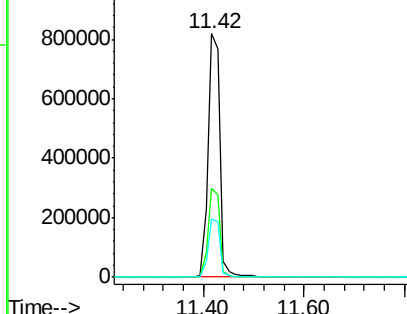
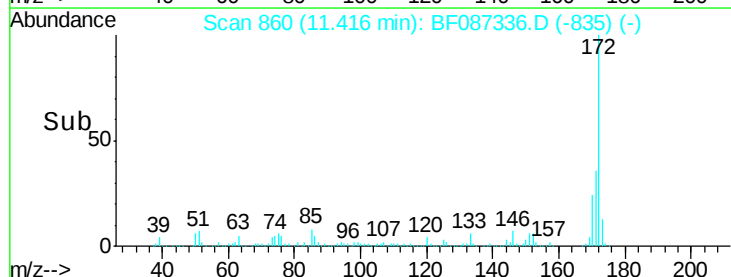
172 100

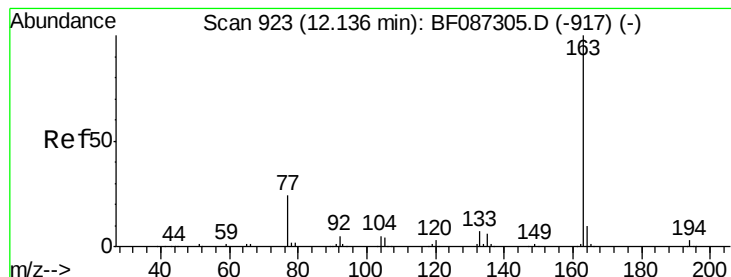
171 36.4 29.0 43.6

170 23.8 19.8 29.8



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: 5.96 ng

RT: 12.11 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

Instrument :

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ClientSampleId :

SB-13-COMP

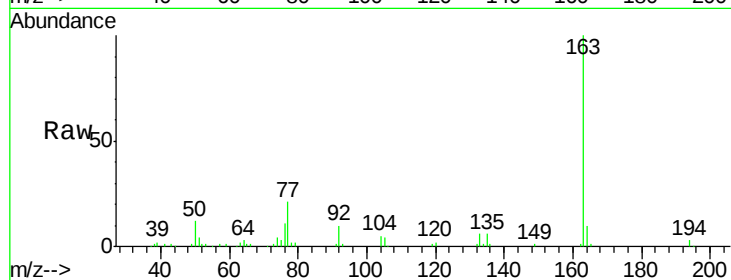
Tot Ion:163 Resp: 130508

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

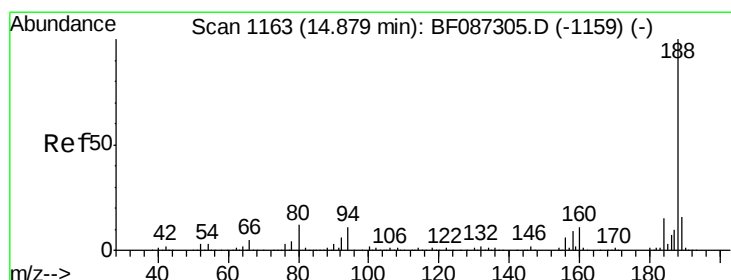
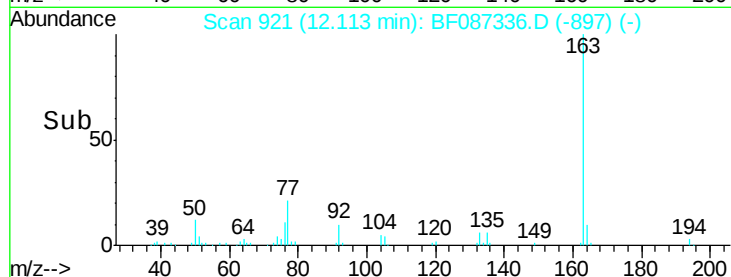
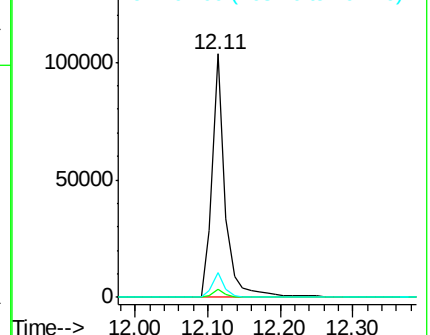
164 10.0 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

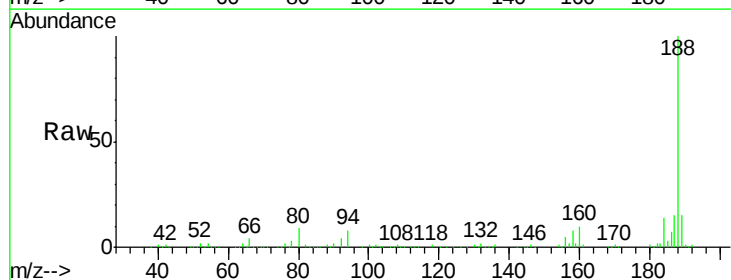
Tgt Ion:188 Resp: 497724

Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

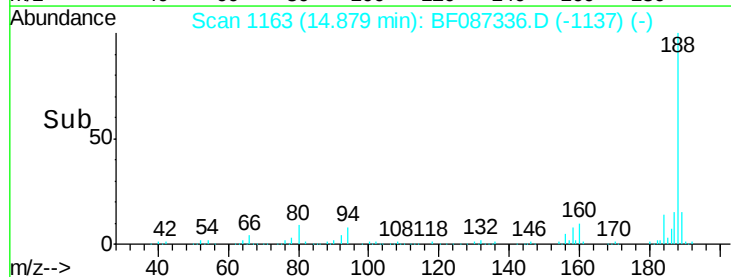
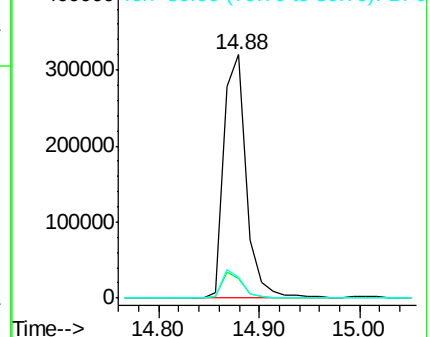
80 8.6 7.1 10.7

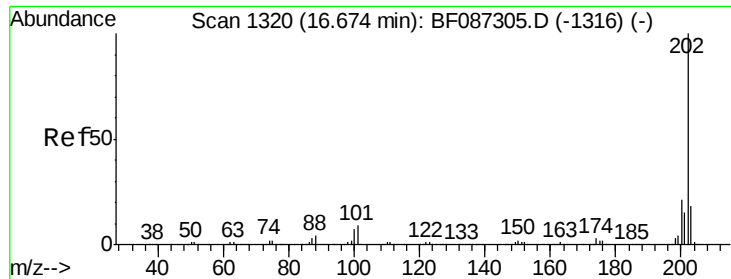


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

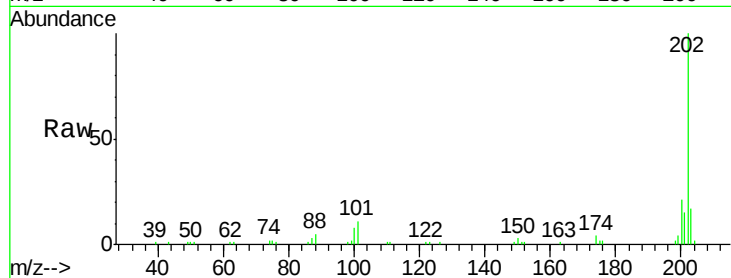




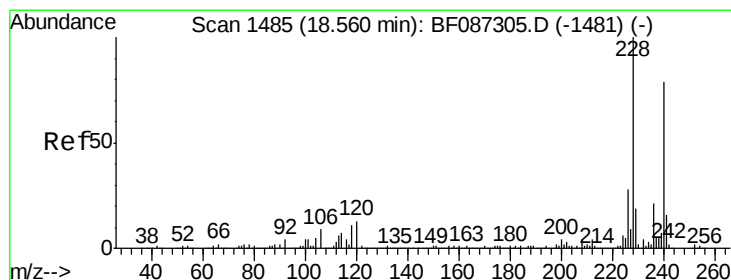
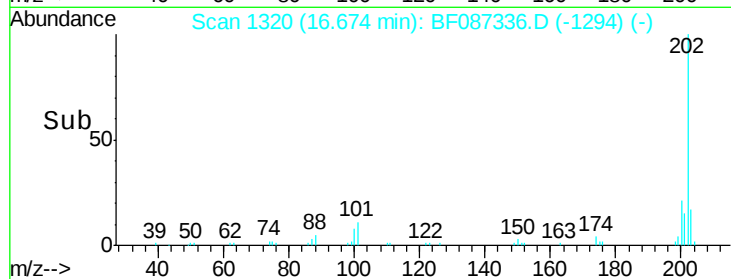
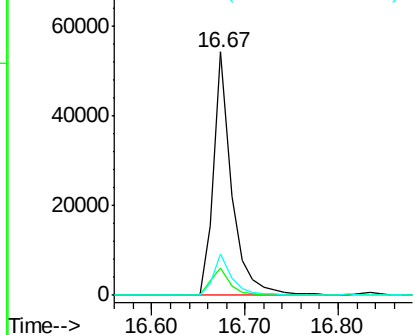
#74
 Fluoranthene
 Concen: 2.68 ng
 RT: 16.67 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: BF087336.D
 Acq: 24 May 2016 11:47

Instrument :
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 SB-13-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	35.4
203	17.1	0.0	38.1

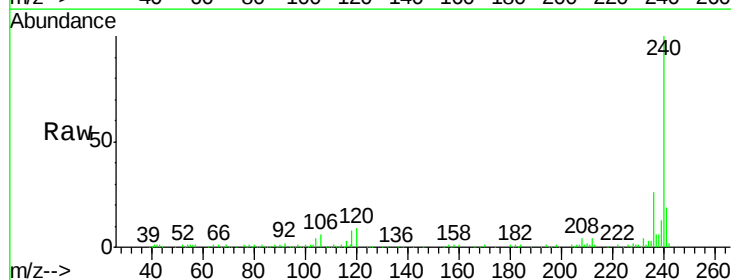


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

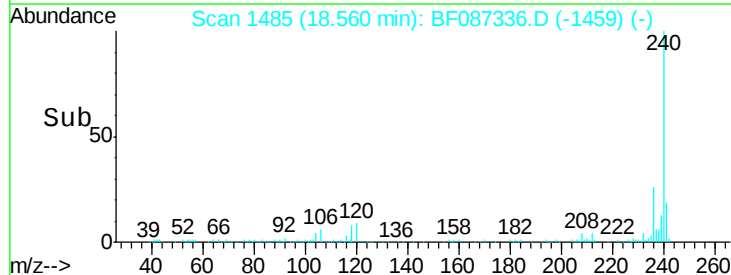
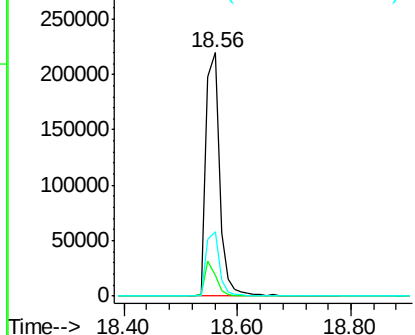


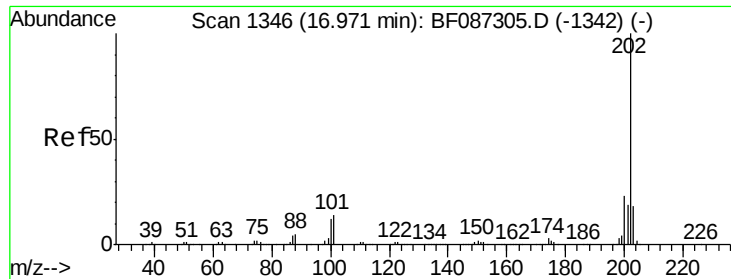
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.56 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: BF087336.D
 Acq: 24 May 2016 11:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	11.2	16.8#
236	26.2	21.2	31.8



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

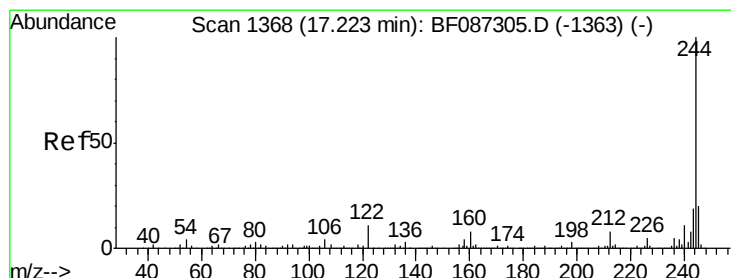
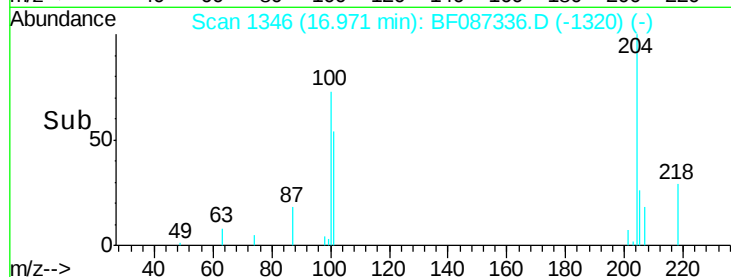
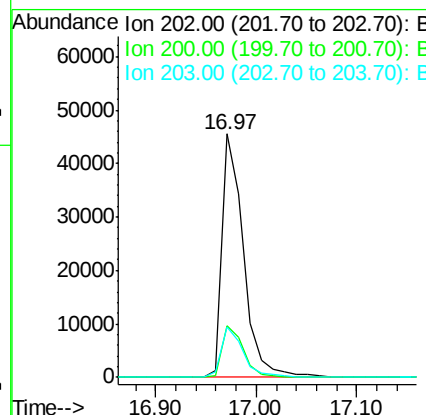
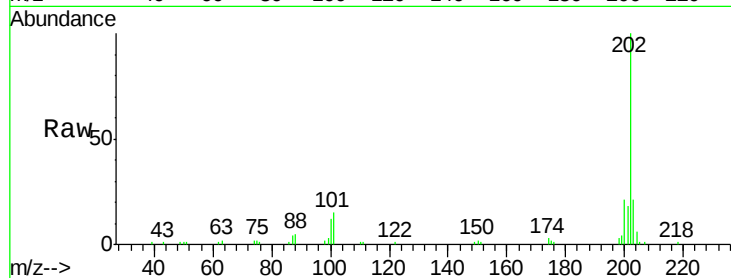




#77
Pvrene
Concen: 2.68 ng
RT: 16.97 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BF087336.D
Acq: 24 May 2016 11:47

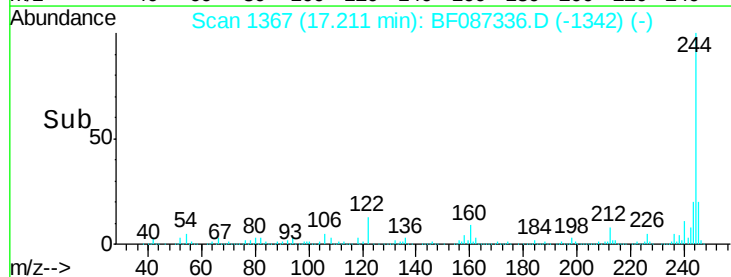
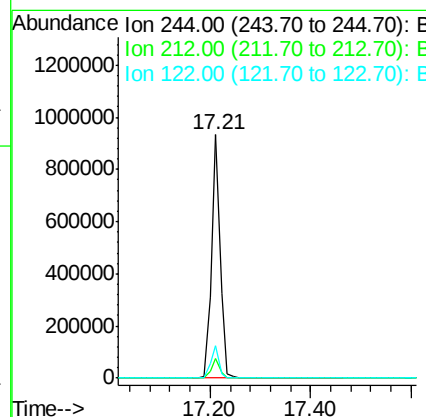
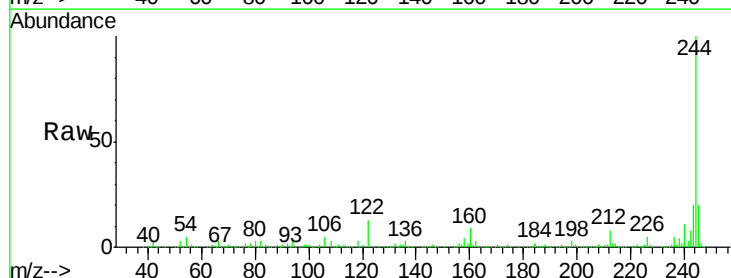
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

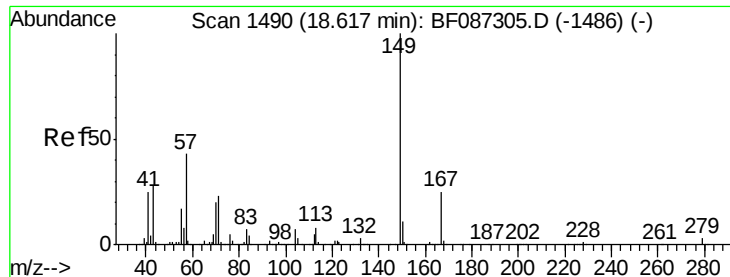
Tot Ion:202 Resp: 67726
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 20.5 14.2 21.4



#78
Terphenyl-d14
Concen: 67.30 ng
RT: 17.21 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF087336.D
Acq: 24 May 2016 11:47

Tgt Ion:244 Resp: 1110318
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 13.2 12.0 18.0

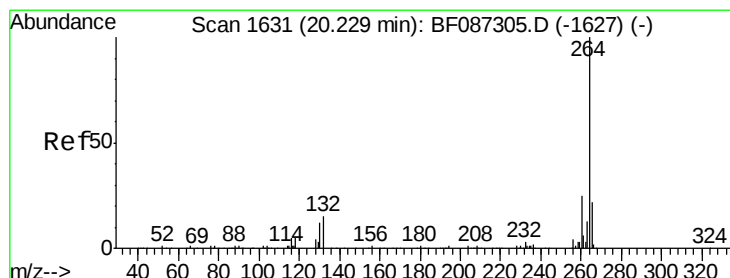
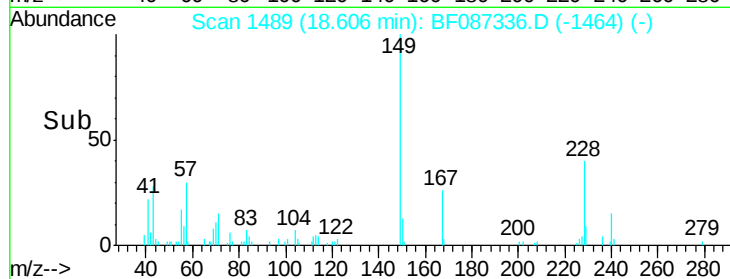
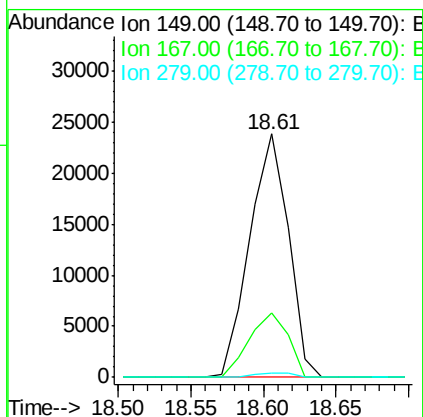
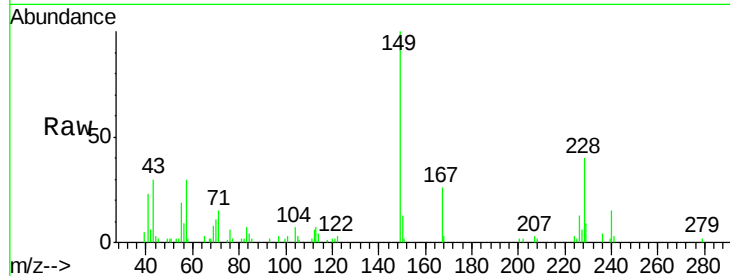




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.70 ng
 RT: 18.61 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: BF087336.D
 Acq: 24 May 2016 11:47

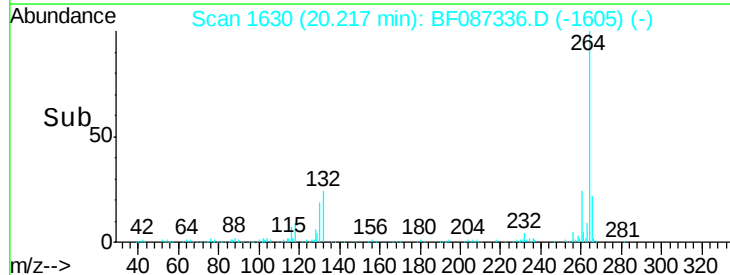
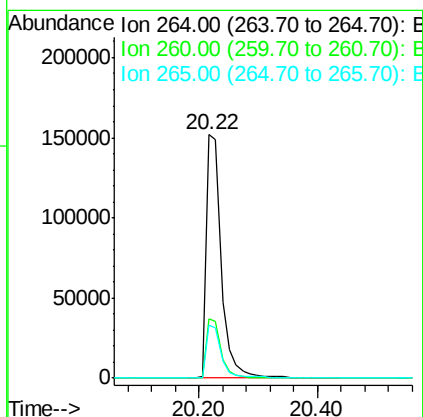
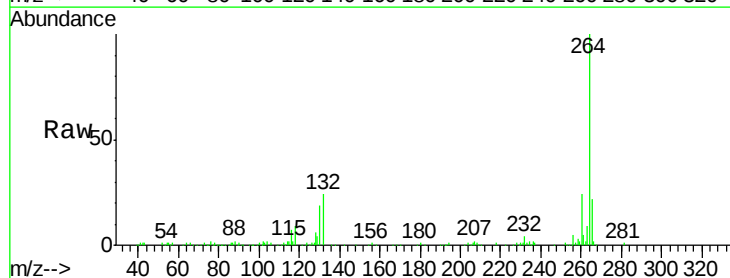
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

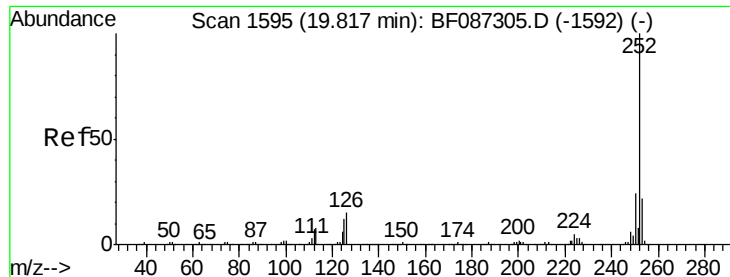
Tot Ion:149 Resp: 44143
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.8 32.6
 279 1.7 2.6 4.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.22 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF087336.D
 Acq: 24 May 2016 11:47

Tgt Ion:264 Resp: 266967
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.6 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 2.10 ng

RT: 19.84 min Scan# 1597

Delta R.T. 0.02 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

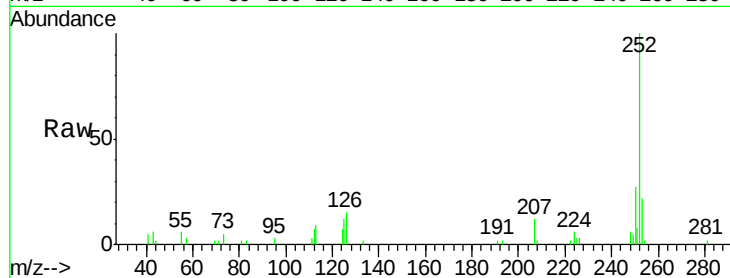
Tot Ion:252 Resp: 35644

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

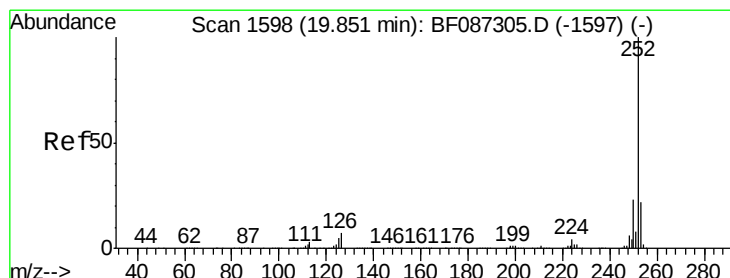
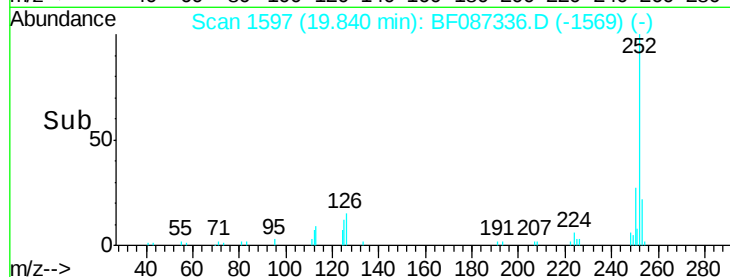
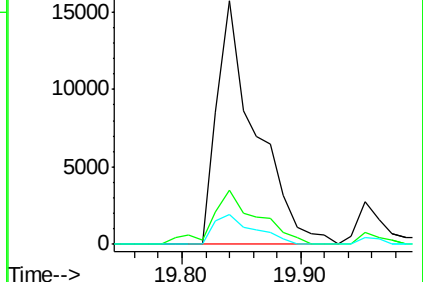
125 12.2 11.4 17.0



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: 2.44 ng

RT: 19.84 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF087336.D

Acq: 24 May 2016 11:47

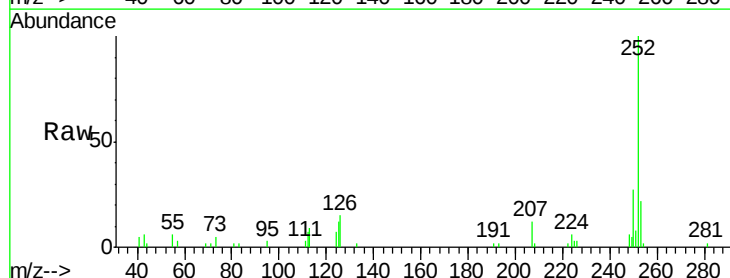
Tgt Ion:252 Resp: 35644

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 12.2 9.1 13.7



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

