

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086444.D
 Acq On : 28 Apr 2016 00:55
 Operator : UM/SJ
 Sample : H2702-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1A

Manual Integrations
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Quant Time: Apr 28 10:42:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	245636	40.00	ng	0.00
21) Naphthalene-d8	8.09	136	920290	40.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	387491	40.00	ng	0.00
63) Phenanthrene-d10	11.32	188	548176	40.00	ng	0.00
75) Chrysene-d12	13.96	240	560360	40.00	ng	0.00
86) Perylene-d12	15.37	264	401819	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	834138	117.15	ng	0.01
7) Phenol-d6	6.44	99	977567	98.37	ng	0.00
23) Nitrobenzene-d5	7.37	82	586335	68.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	167027	81.75	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1077197	84.44	ng	0.00
78) Terphenyl-d14	12.91	244	677314	53.26	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	167919	11.51	ng	98
70) Phenanthrene	11.34	178	146773	10.20	ng	99
71) Anthracene	11.40	178	48493	3.16	ng	98
74) Fluoranthene	12.53	202	300969	20.73	ng	97
77) Pyrene	12.76	202	304581	15.09	ng	99
80) Benzo(a)anthracene	13.95	228	195733	13.10	ng	97
82) Chrysene	13.98	228	138014m	8.50	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	59270	4.93	ng	# 91
87) Benzo(b)fluoranthene	14.97	252	154683m	13.09	ng	
88) Benzo(k)fluoranthene	14.98	252	87778m	7.12	ng	
89) Benzo(a)pyrene	15.31	252	115301	10.33	ng	# 93
91) Benzo(a,h,i)perylene	17.14	276	55805	6.10	ng	95

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

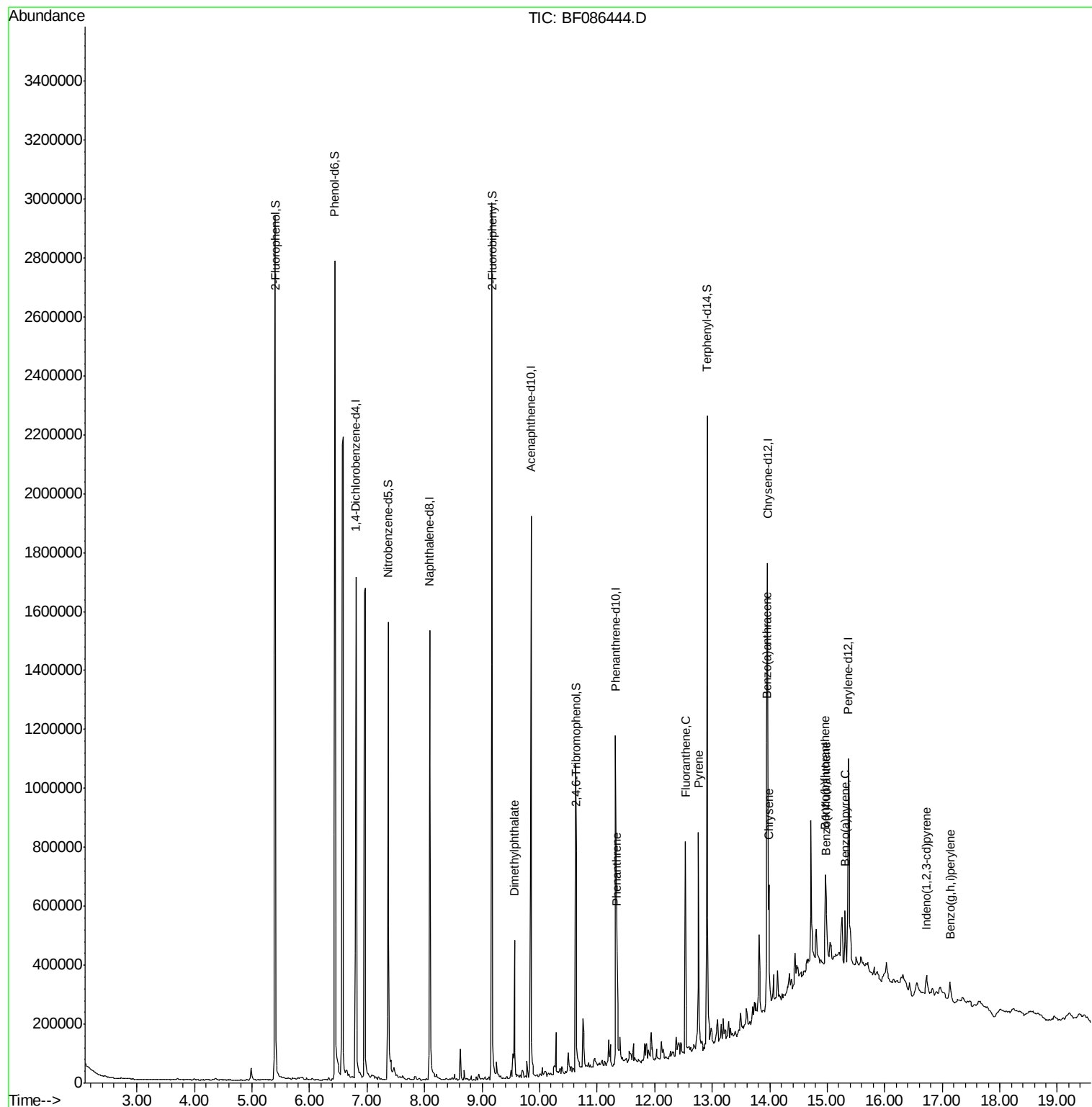
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
Data File : BF086444.D
Acq On : 28 Apr 2016 00:55
Operator : UM/SJ
Sample : H2702-02
Misc :
ALS Vial : 20 Sample Multiplier: 2

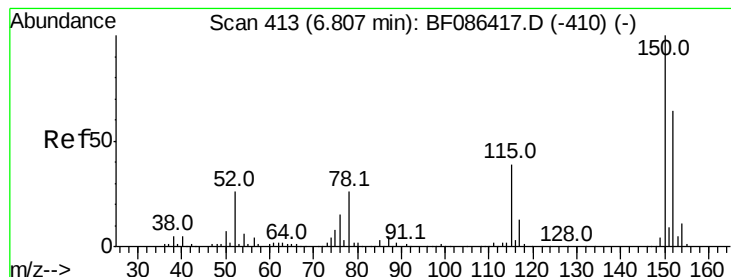
Instrument :
BNA_F
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

Tot Ion:152 Resp: 245636

Ion Ratio Lower Upper

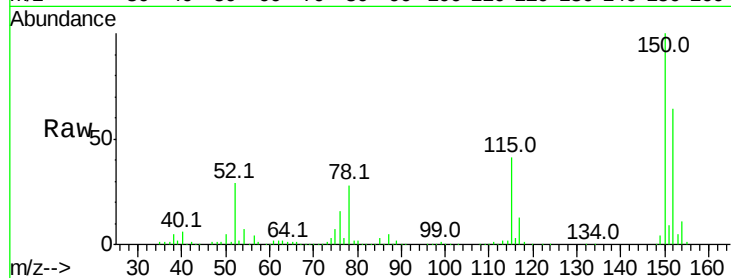
152 100

150 155.5 125.8 188.6

115 63.8 51.5 77.3

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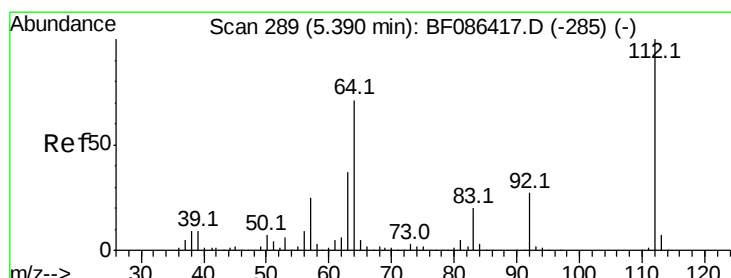
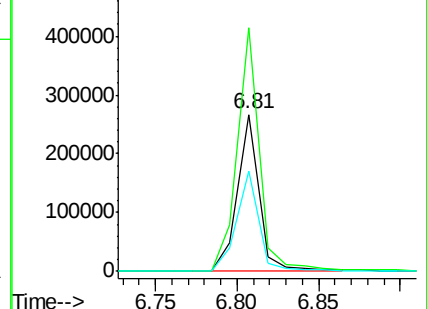
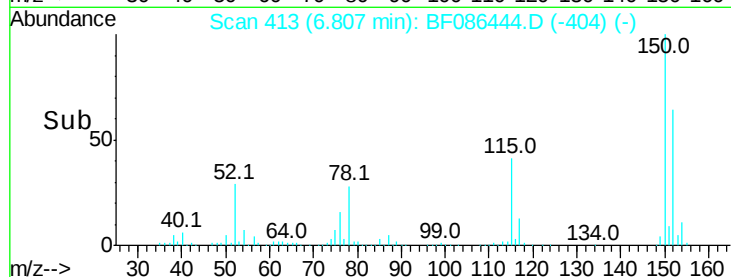
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 117.15 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

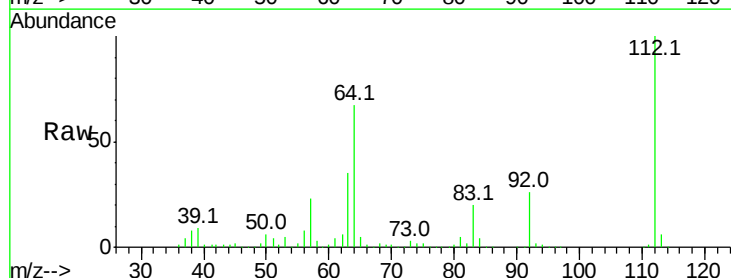
Tgt Ion:112 Resp: 834138

Ion Ratio Lower Upper

112 100

64 66.9 52.1 78.1

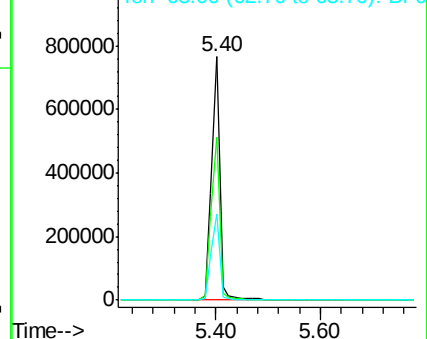
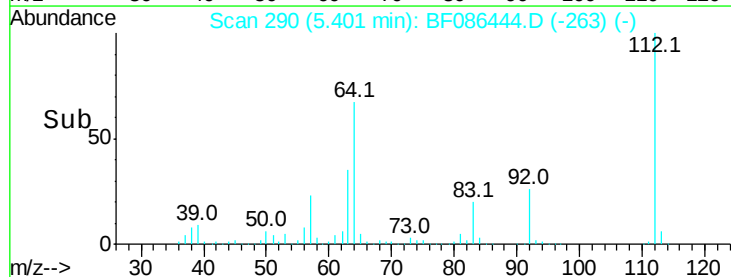
63 35.4 25.7 38.5



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: 98.37 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

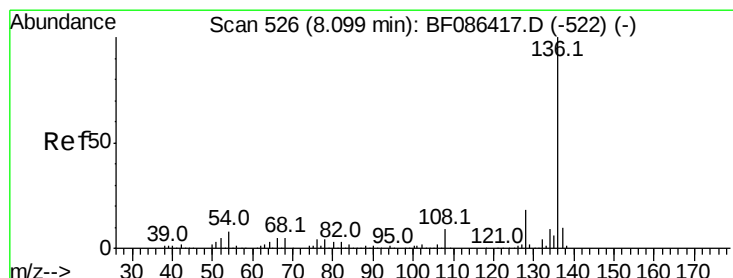
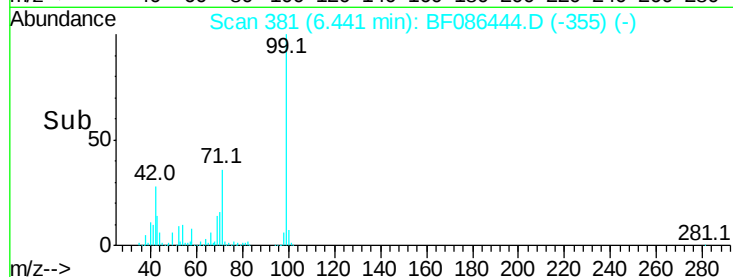
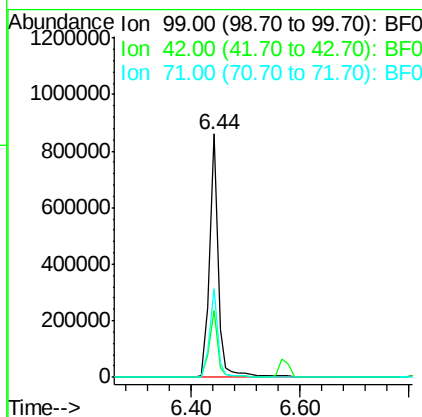
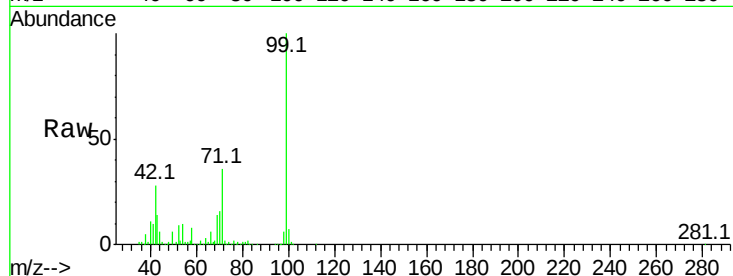
TEC-COMP-B1A

Tot Ion: 99 Resp: 977567

Ion	Ratio	Lower	Upper
99	100		
42	27.8	13.6	20.4#
71	36.2	24.6	36.8

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#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.09 min Scan# 525

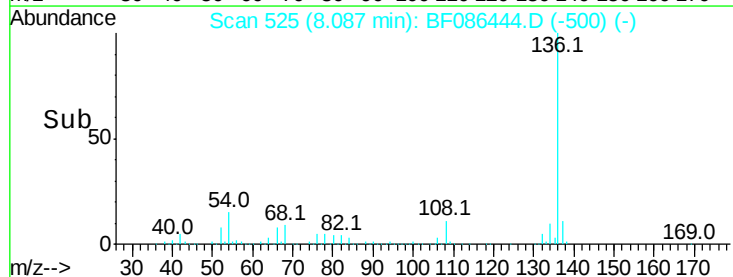
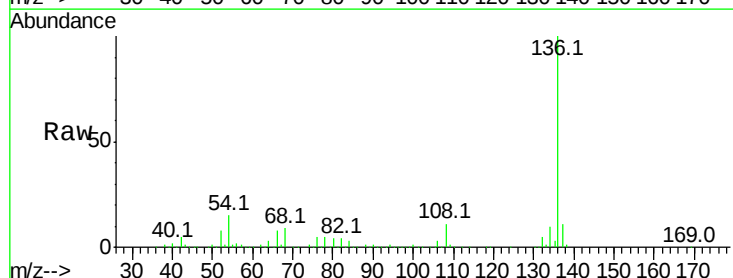
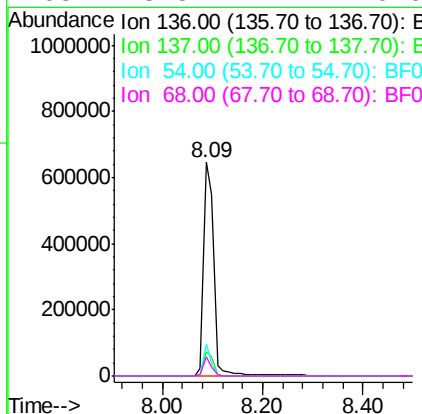
Delta R.T. -0.01 min

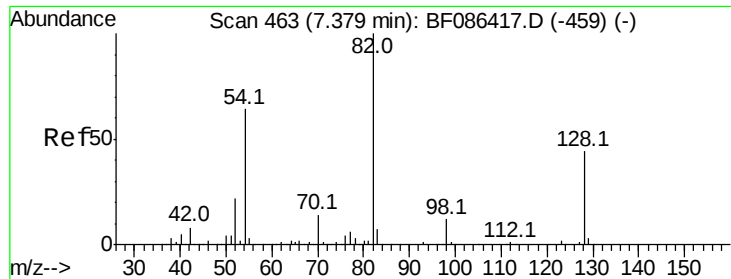
Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Tgt Ion: 136 Resp: 920290

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	15.1	5.0	7.4#
68	8.8	4.4	6.6#





#23

Nitrobenzene-d5

Concen: 68.68 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

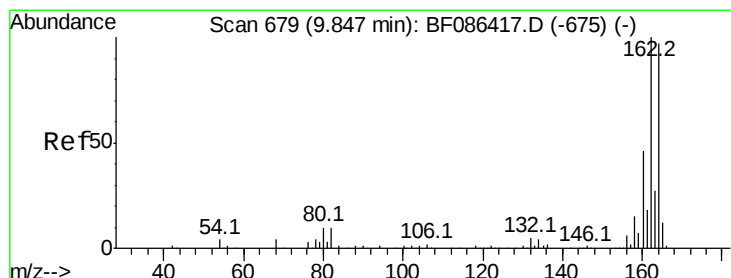
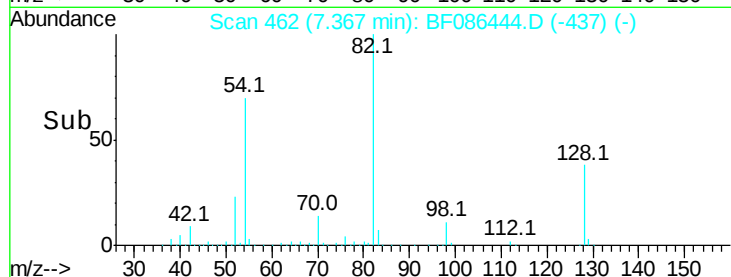
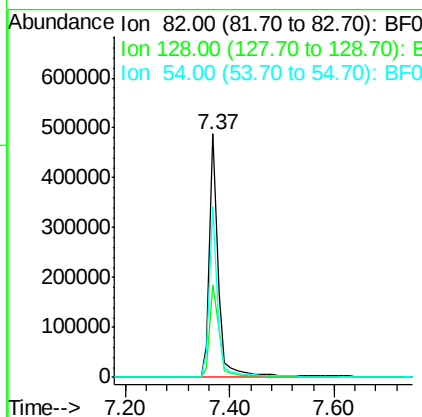
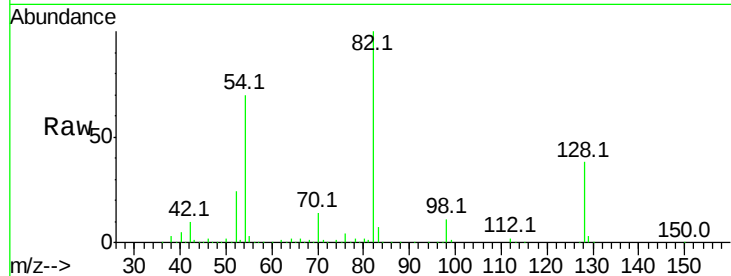
ClientSampleId :

TEC-COMP-B1A

Tot Ion:	82	Resp:	586335
Ion Ratio	Lower	Upper	
82	100		
128	37.9	40.6	61.0#
54	70.3	38.1	57.1#

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#38

Acenaphthene-d10

Concen: 40.00 ng

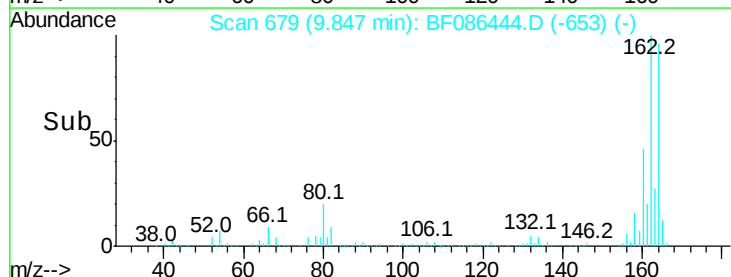
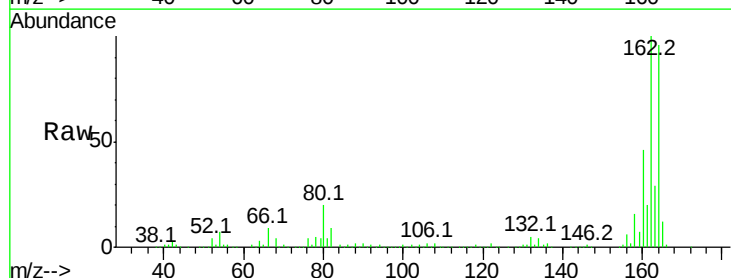
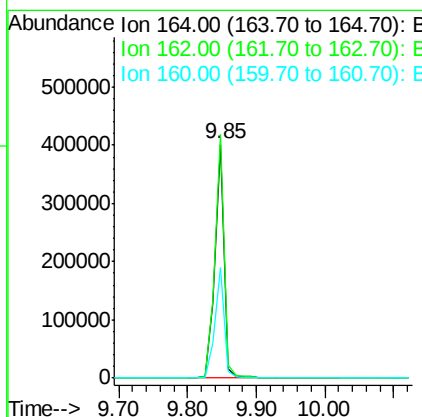
RT: 9.85 min Scan# 679

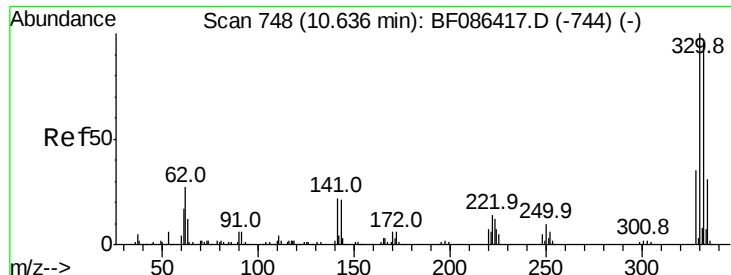
Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Tgt Ion:	164	Resp:	387491
Ion Ratio	Lower	Upper	
164	100		
162	104.3	82.8	124.2
160	47.5	36.9	55.3





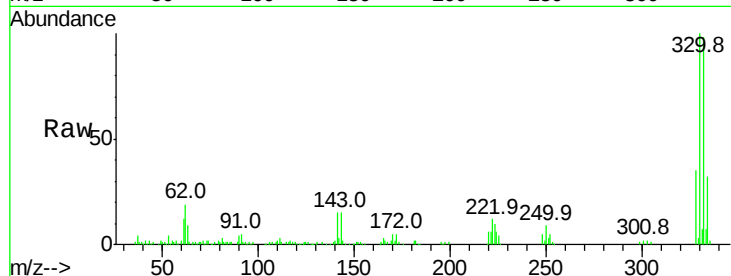
#41
 2,4,6-Tribromophenol
 Concen: 81.75 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1A

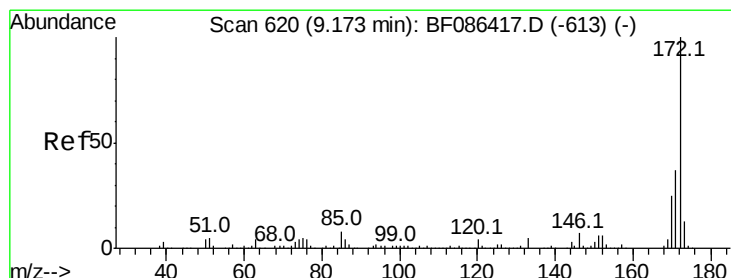
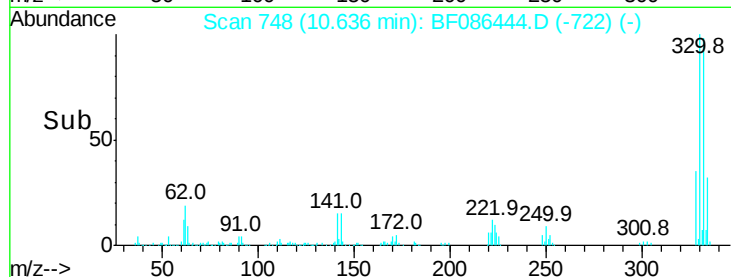
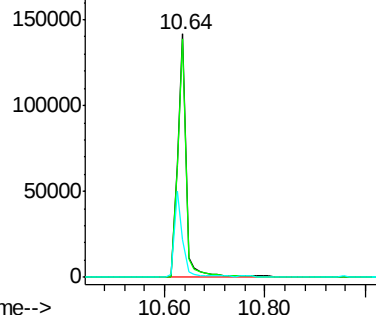
Tot Ion	Ratio	Resp	Lower	Upper
330	100	167027		
332	97.1		79.0	118.4
141	33.3		31.2	46.8

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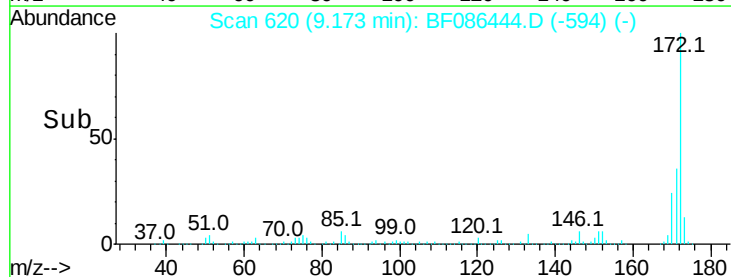
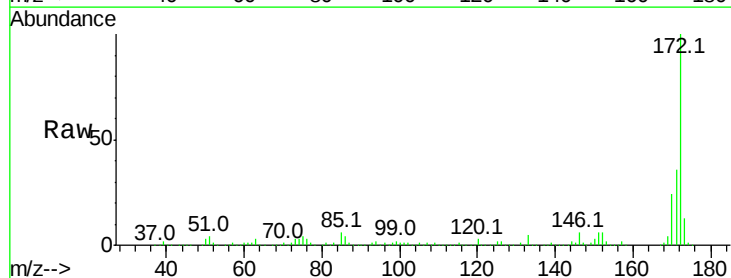
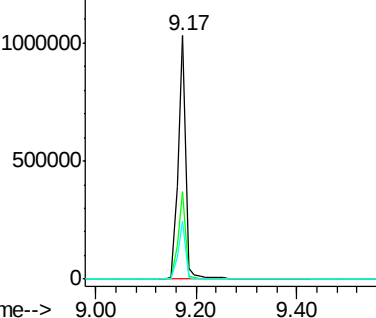
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

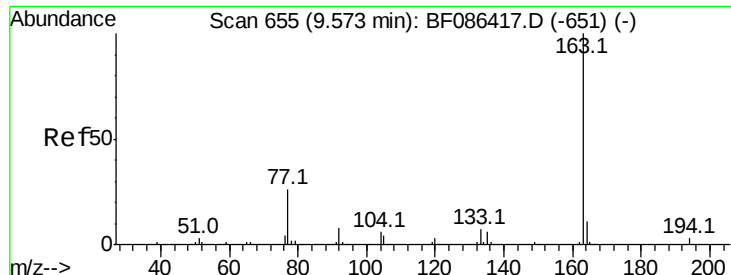


#44
 2-Fluorobiphenyl
 Concen: 84.44 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1077197		
171	35.8		29.0	43.6
170	23.9		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





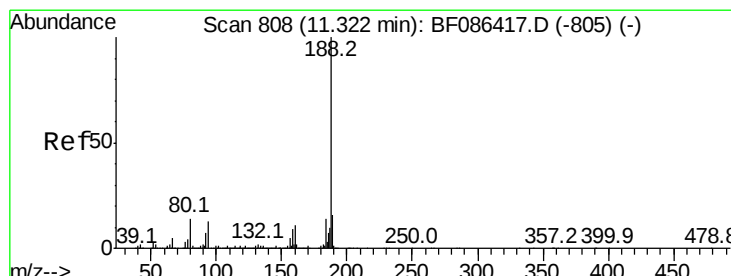
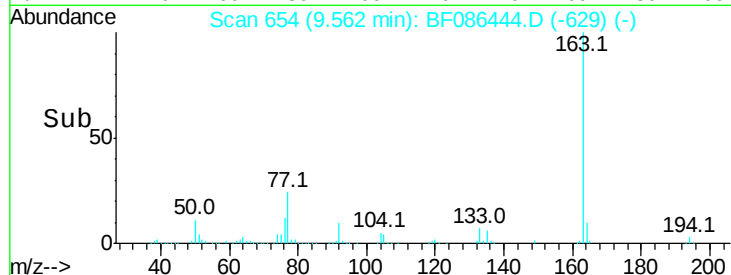
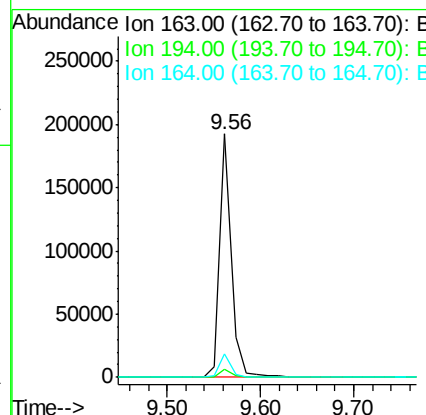
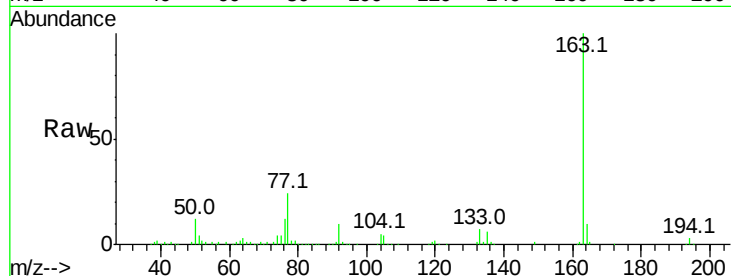
#49
Dimethylphthalate
Concen: 11.51 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	167919		
194	3.1	2.6	4.0	
164	9.6	8.2	12.4	

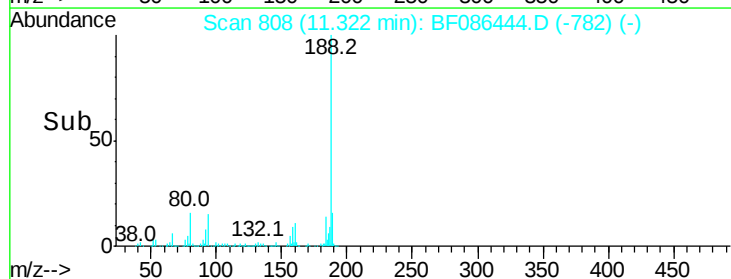
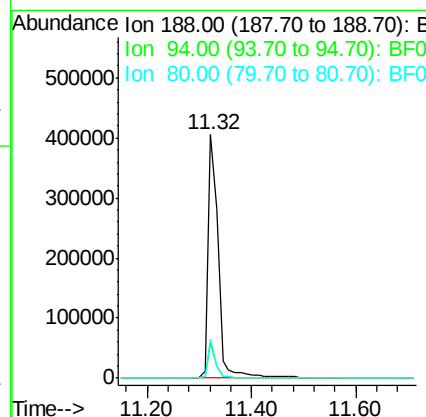
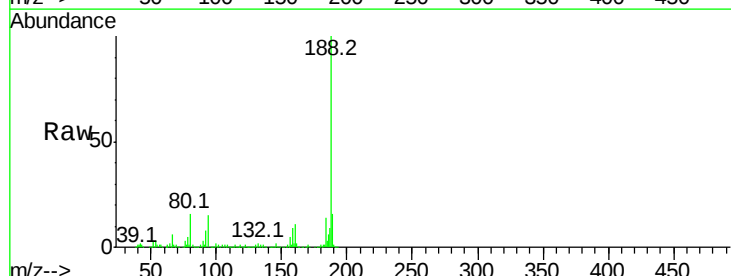
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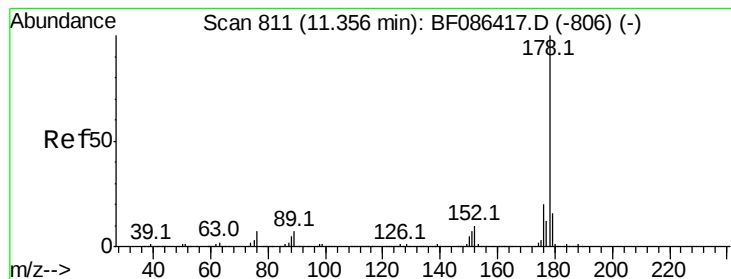
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#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086444.D
Acq: 28 Apr 2016 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	548176		
94	14.5	6.8	10.2#	
80	15.8	7.1	10.7#	





#70

Phenanthrene

Concen: 10.20 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

Tot Ion:178 Resp: 146773

Ion Ratio Lower Upper

178 100

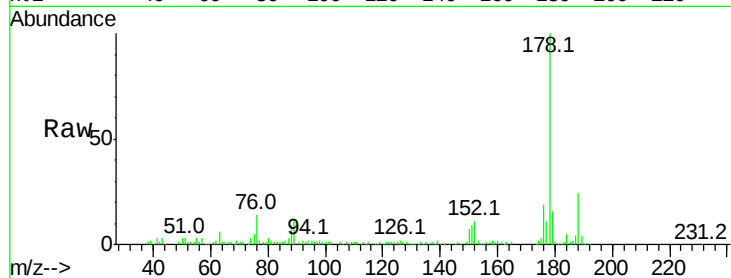
176 19.4 16.0 24.0

179 15.6 12.6 18.8

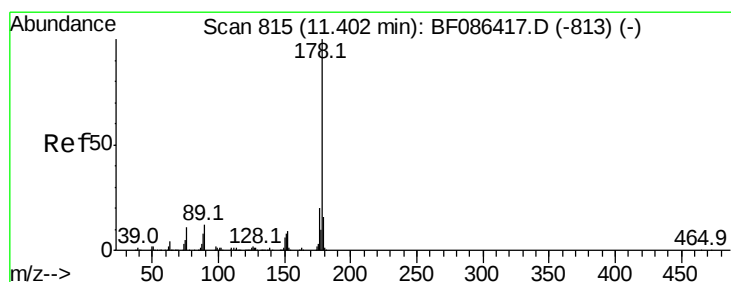
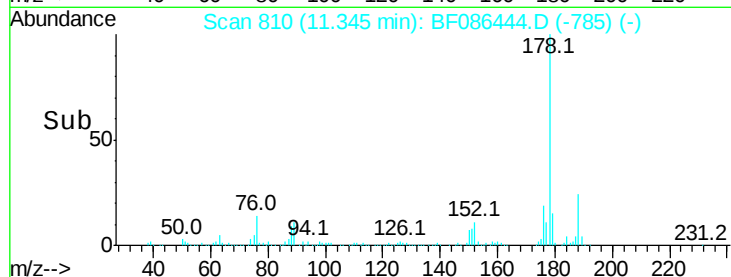
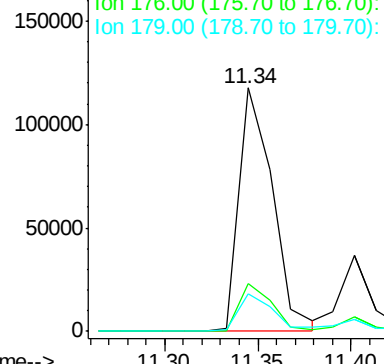
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.16 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

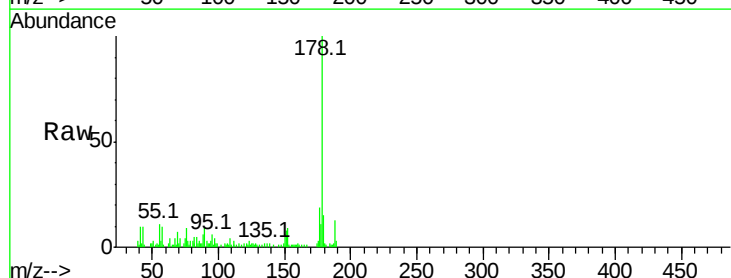
Tgt Ion:178 Resp: 48493

Ion Ratio Lower Upper

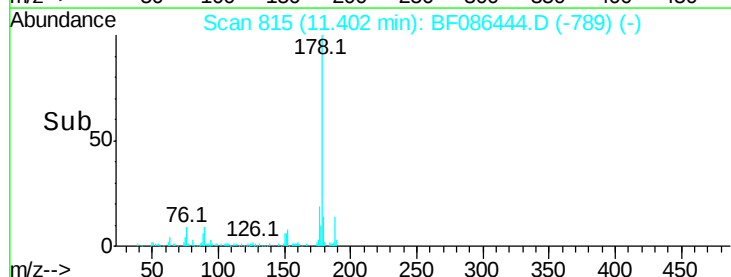
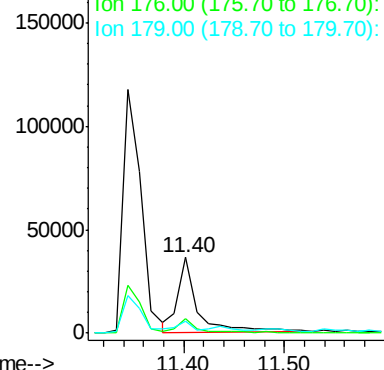
178 100

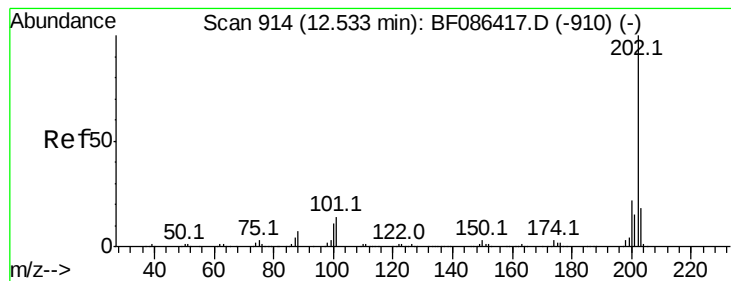
176 18.7 15.6 23.4

179 15.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





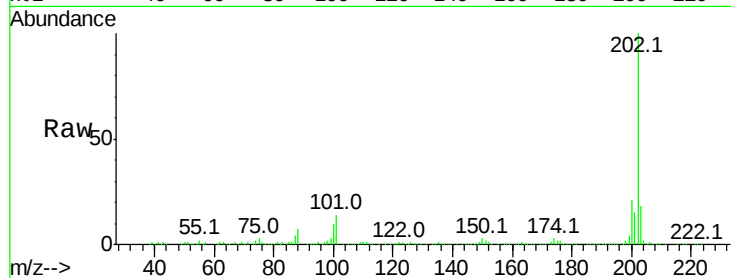
#74
 Fluoranthene
 Concen: 20.73 ng
 RT: 12.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Instrument :
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 TEC-COMP-B1A

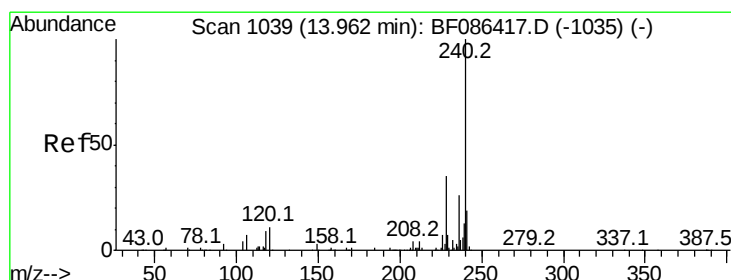
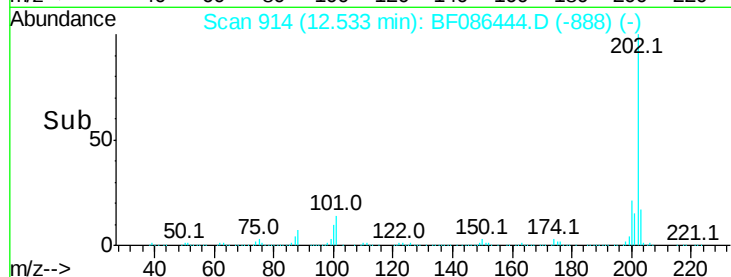
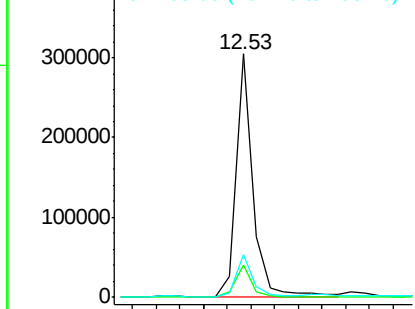
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	35.4
203	17.6	0.0	38.1

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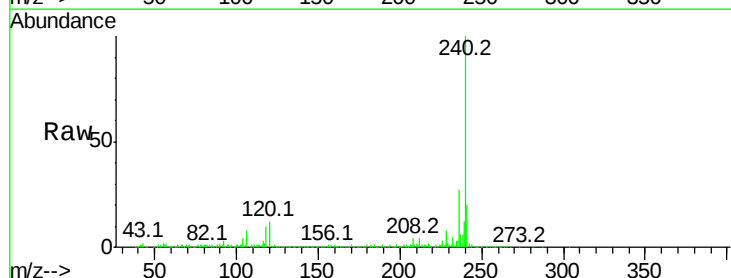


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

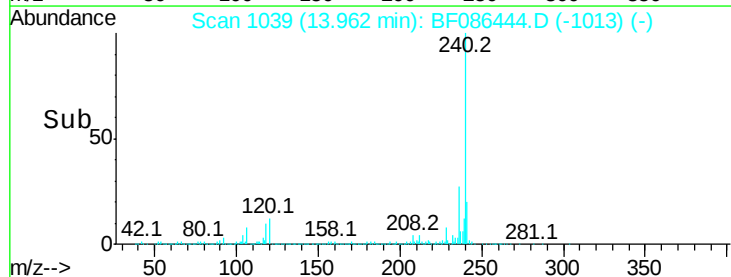
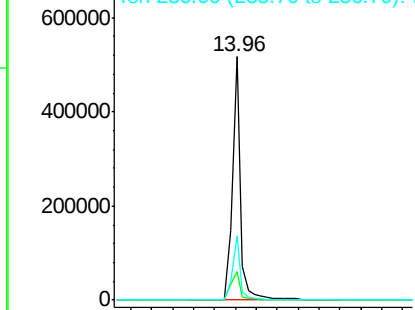


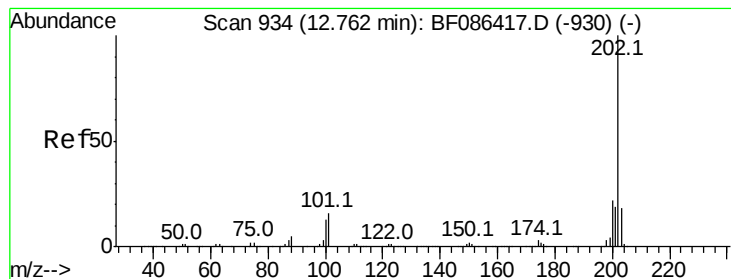
#75
 Chrysene-d12
 Concen: 40.00 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.8	11.2	16.8
236	26.7	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: 15.09 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

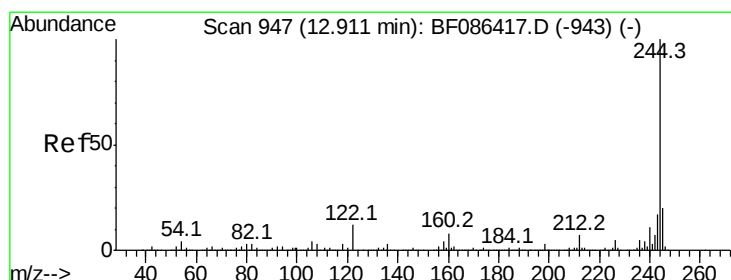
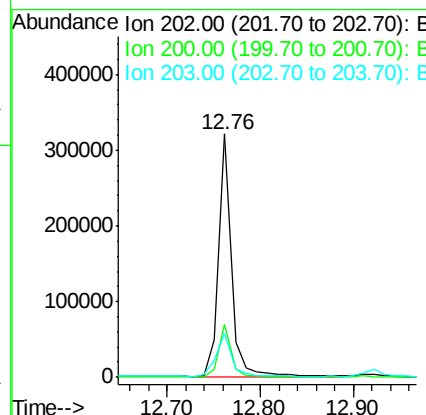
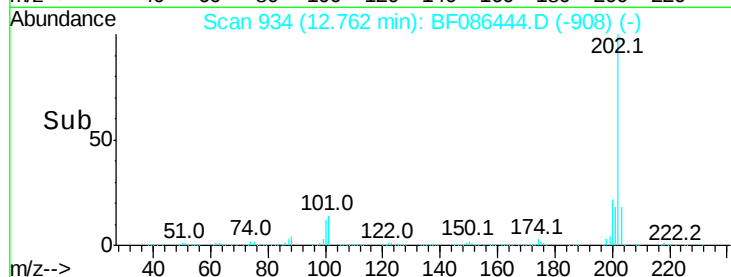
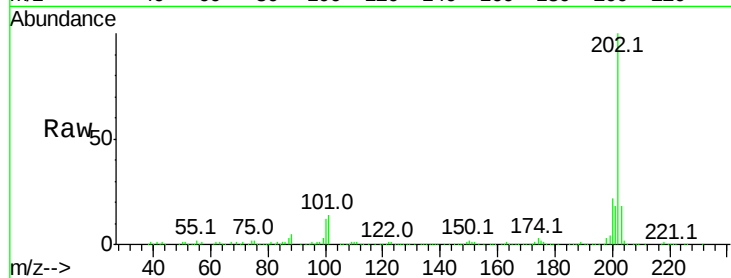
ClientSampleId :

TEC-COMP-B1A

Tot Ion:	202	Resp:	304581
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	18.1	14.2	21.4

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#78

Terphenyl-d14

Concen: 53.26 ng

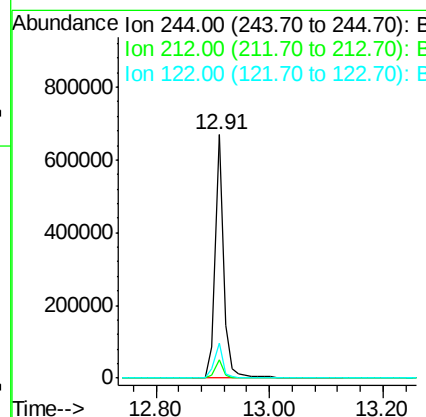
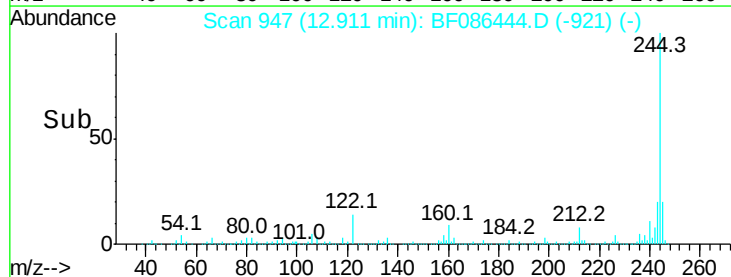
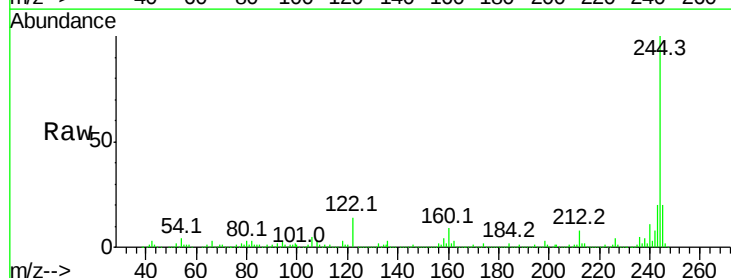
RT: 12.91 min Scan# 947

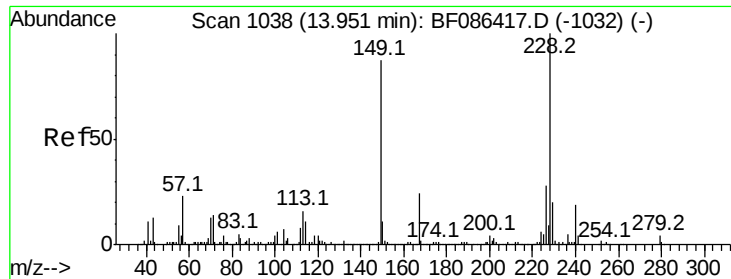
Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Tgt Ion:	244	Resp:	677314
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	14.4	12.0	18.0





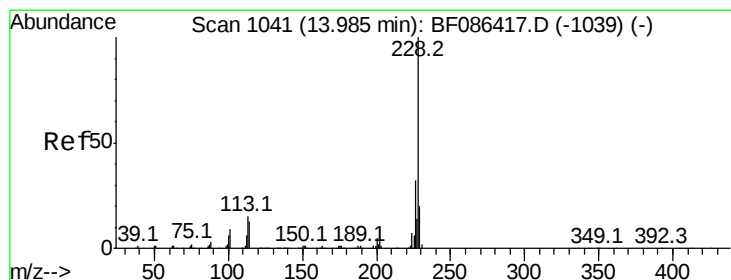
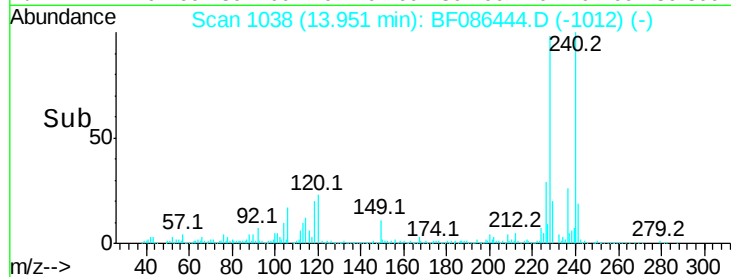
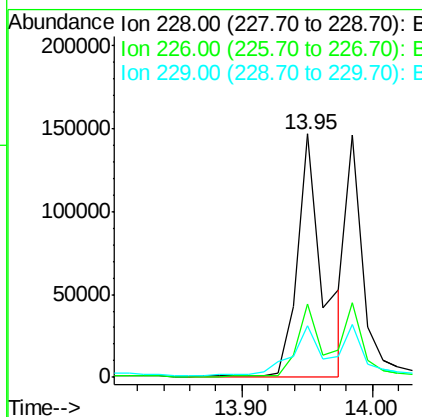
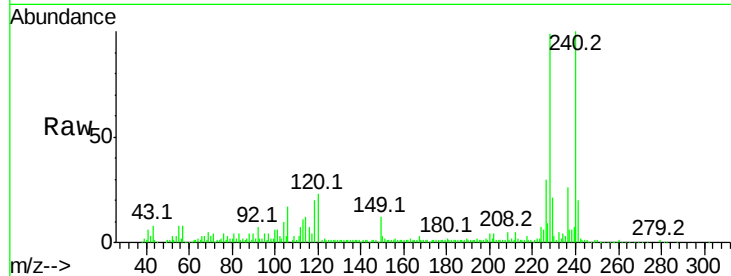
#80
 Benzo(a)anthracene
 Concen: 13.10 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1A

Tot Ion:	228	Resp:	195733
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.5	33.7
229	21.3	16.6	25.0

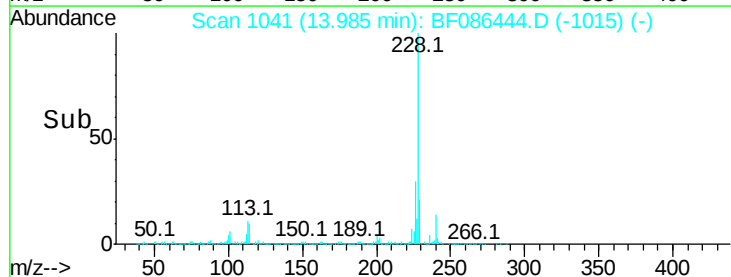
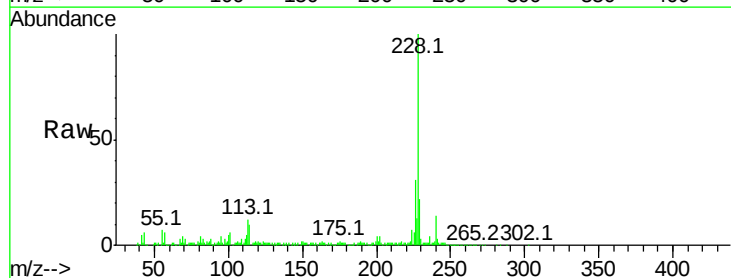
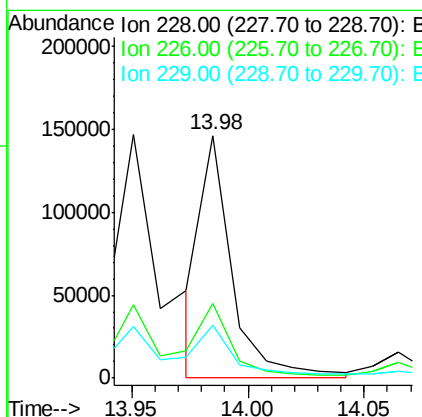
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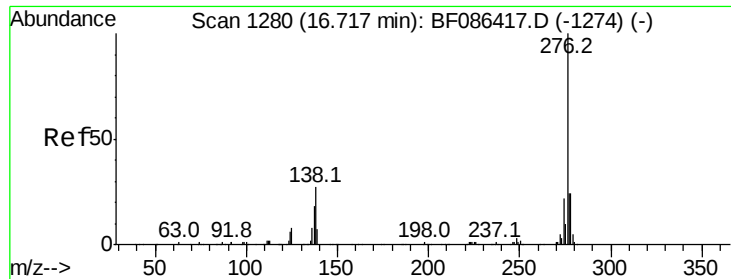
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#82
 Chrysene
 Concen: 8.50 ng m
 RT: 13.98 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF086444.D
 Acq: 28 Apr 2016 00:55

Tgt Ion:	228	Resp:	138014
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.4	36.6
229	21.7	15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.93 ng

RT: 16.73 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

Tot Ion:276 Resp: 59270

Ion Ratio Lower Upper

276 100

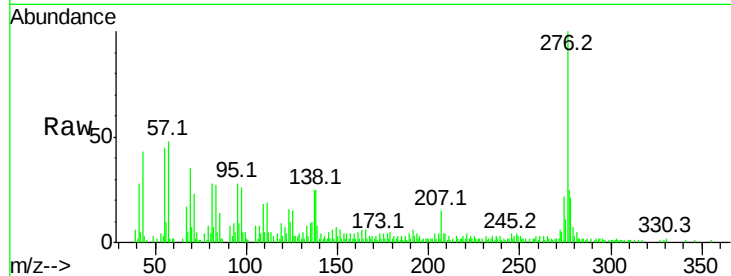
138 25.3 25.6 38.4#

277 22.9 20.5 30.7

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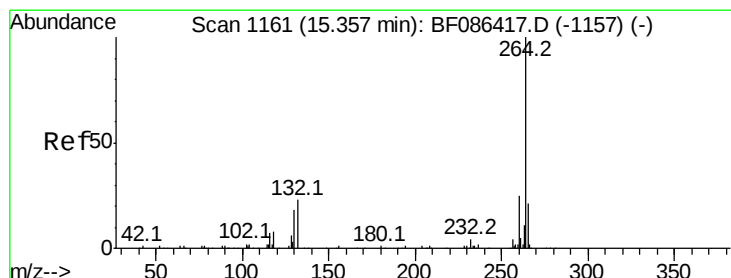
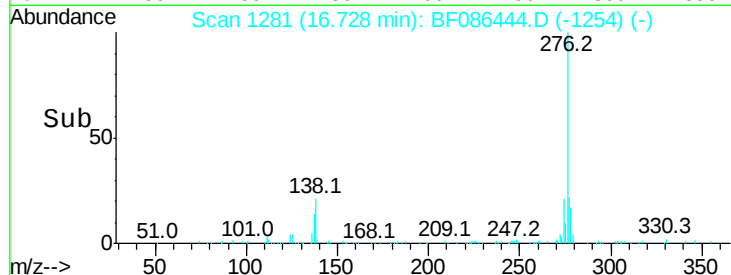
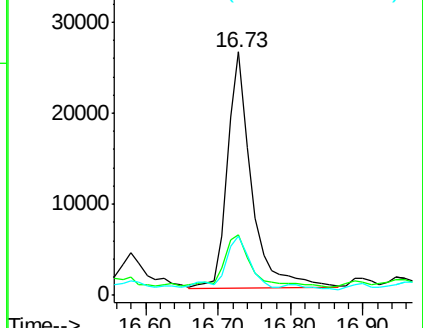
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 40.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

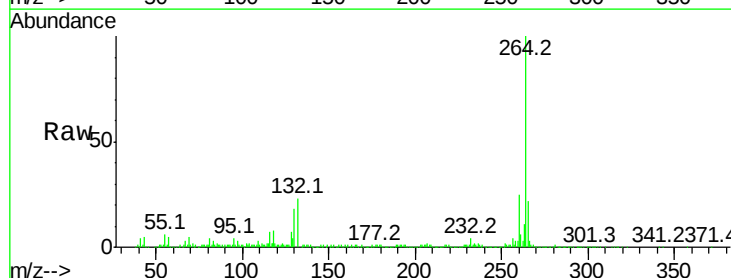
Tgt Ion:264 Resp: 401819

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

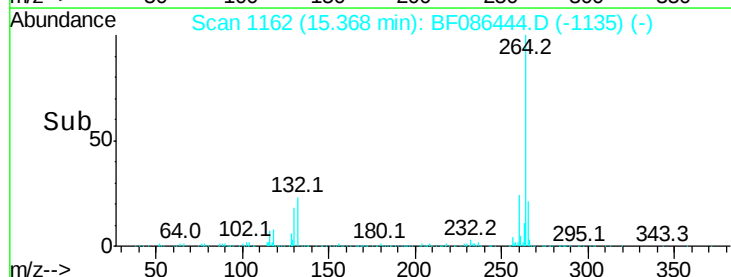
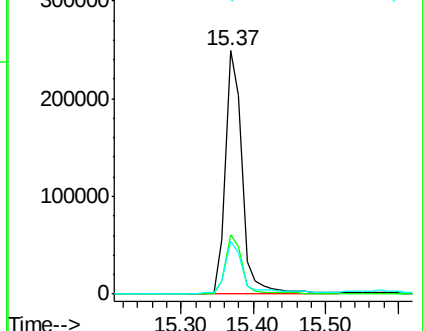
265 21.6 17.3 25.9

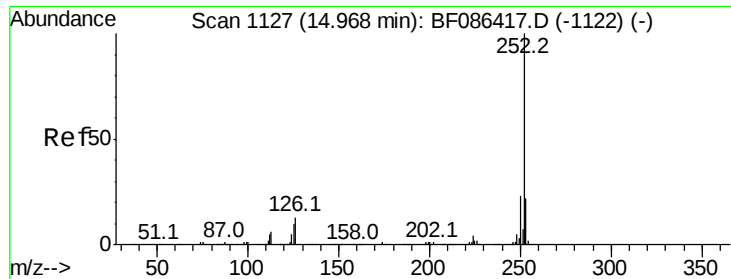


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.09 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1A

Tot Ion:252 Resp: 154683

Ion Ratio Lower Upper

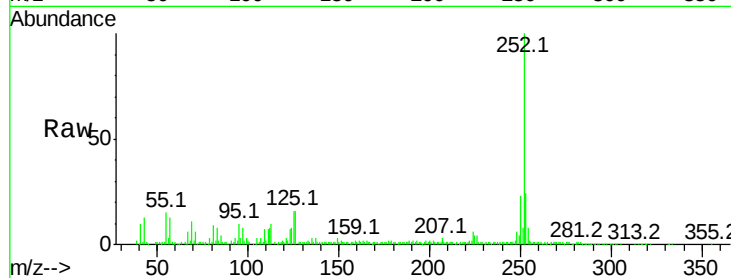
252 100

253 23.6 17.8 26.6

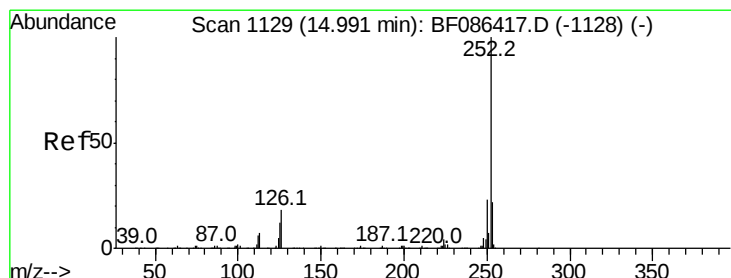
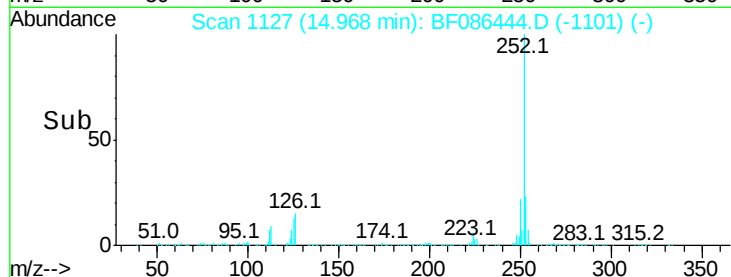
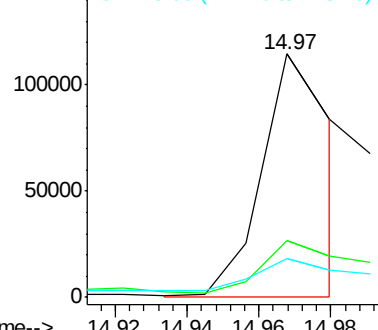
125 15.8 11.4 17.0

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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: 7.12 ng m

RT: 14.98 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

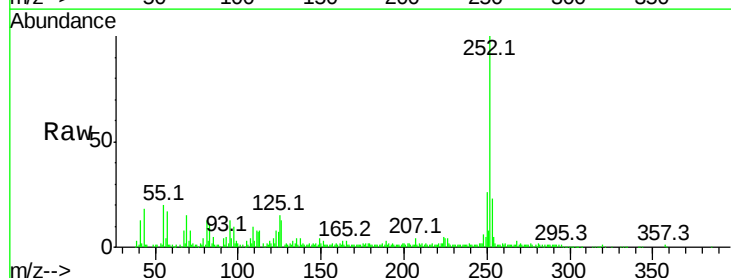
Tgt Ion:252 Resp: 87778

Ion Ratio Lower Upper

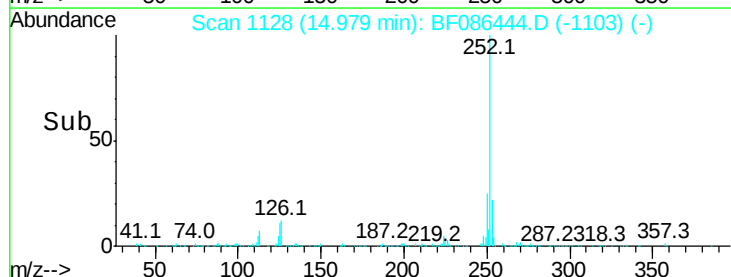
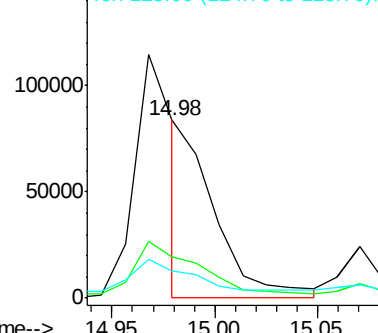
252 100

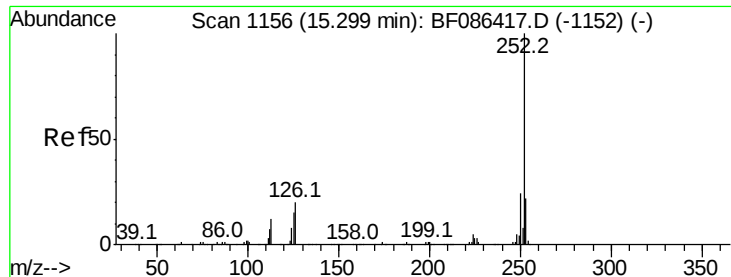
253 22.9 17.8 26.6

125 15.4 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





#89

Benzo(a)pyrene

Concen: 10.33 ng

RT: 15.31 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Instrument :

BNA_F

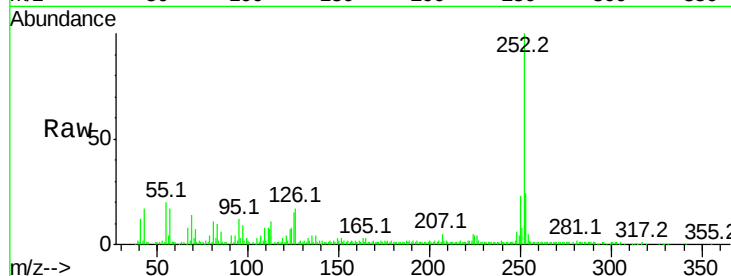
ClientSampleId :

TEC-COMP-B1A

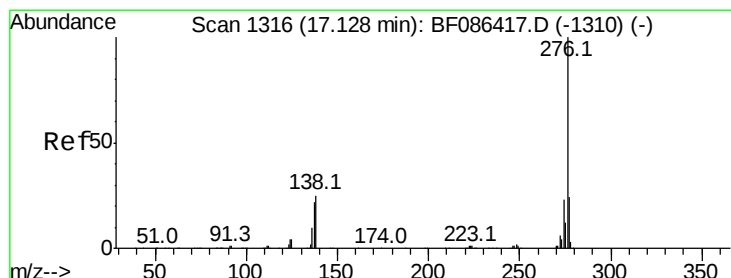
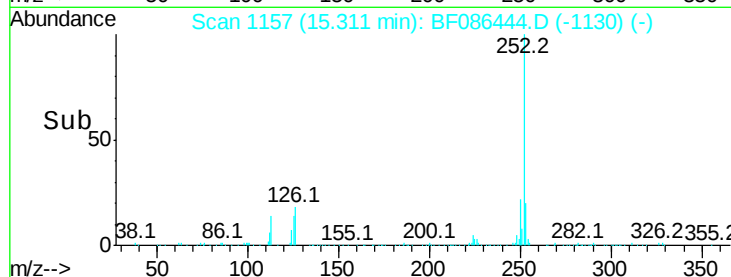
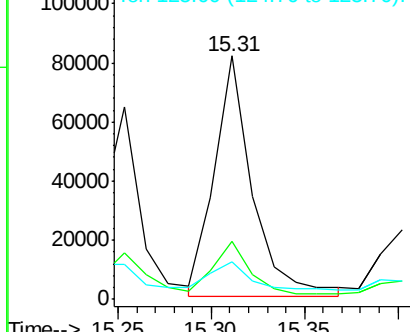
Tot Ion:	252	Resp:	115301
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	15.4	9.0	13.6#

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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: 6.10 ng

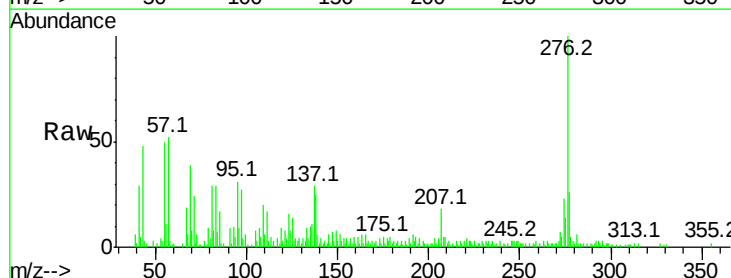
RT: 17.14 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF086444.D

Acq: 28 Apr 2016 00:55

Tgt Ion:	276	Resp:	55805
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.6	29.4
138	25.4	23.6	35.4



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

