

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086466.D
 Acq On : 28 Apr 2016 11:23
 Operator : UM/SJ
 Sample : H2702-02RE
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1ARE

Manual Integrations
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Quant Time: Apr 28 12:40:43 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	241148	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	884765	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	342941	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	564830	20.00	ng	0.00
75) Chrysene-d12	13.96	240	589133	20.00	ng	0.00
86) Perylene-d12	15.37	264	411831	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	811801	58.07	ng	0.01
7) Phenol-d6	6.44	99	1100406	56.39	ng	0.00
23) Nitrobenzene-d5	7.37	82	616520	37.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	162239	44.86	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	929644	40.90	ng	0.00
78) Terphenyl-d14	12.91	244	753319	28.17	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	156280	6.05	ng	100
70) Phenanthrene	11.35	178	154635	5.22	ng	99
74) Fluoranthene	12.53	202	329398	11.01	ng	95
77) Pyrene	12.76	202	337301	7.95	ng	100
80) Benzo(a)anthracene	13.95	228	174280	5.55	ng	97
82) Chrysene	13.99	228	176784m	5.18	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	57639	2.28	ng	93
87) Benzo(b)fluoranthene	14.97	252	156806m	6.47	ng	
88) Benzo(k)fluoranthene	14.98	252	74202m	2.94	ng	
89) Benzo(a)pyrene	15.31	252	118428	5.18	ng	97
91) Benzo(g,h,i)perylene	17.13	276	59119	3.15	ng	97

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

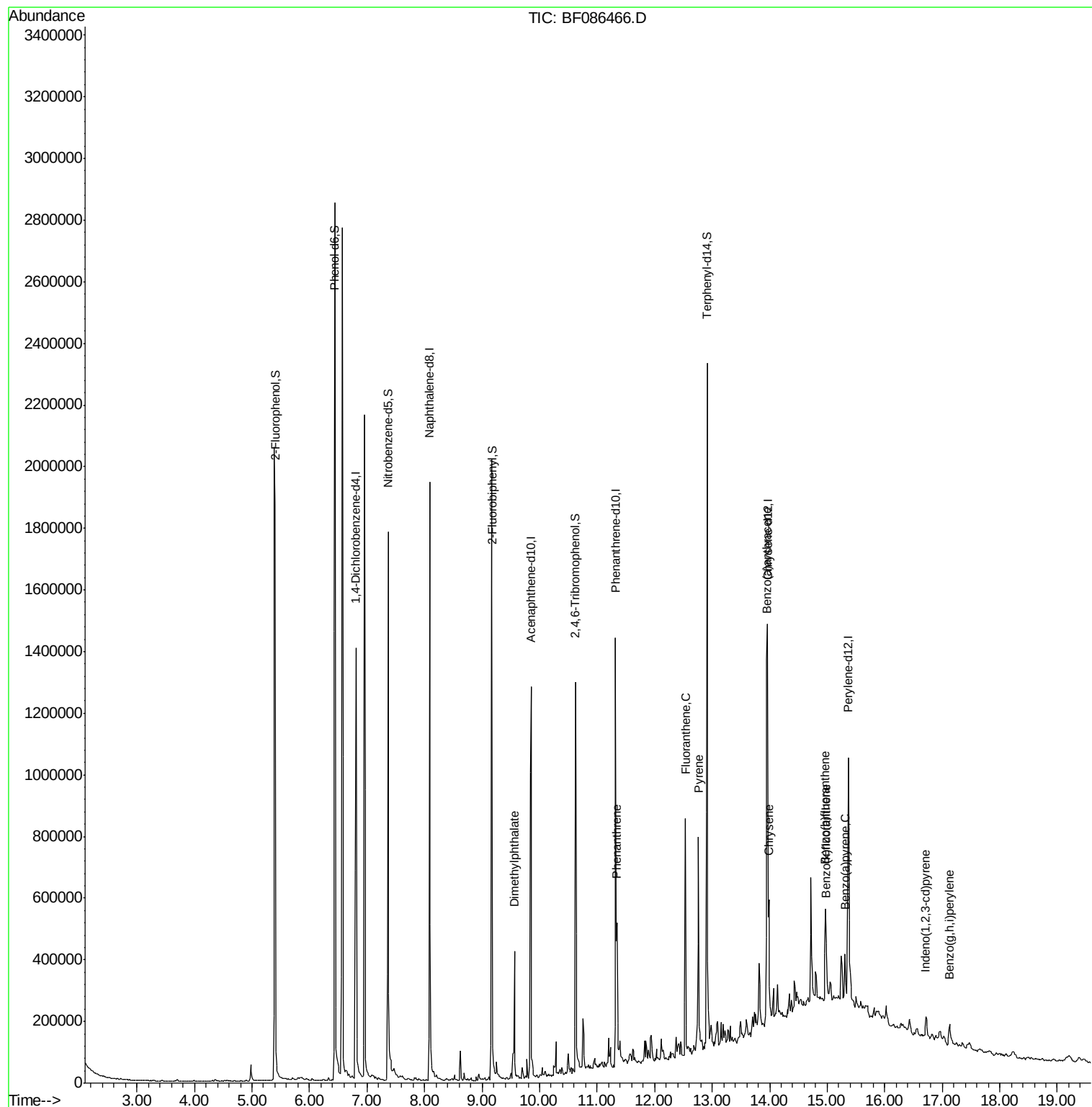
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
Data File : BF086466.D
Acq On : 28 Apr 2016 11:23
Operator : UM/SJ
Sample : H2702-02RE
Misc :
ALS Vial : 40 Sample Multiplier: 1

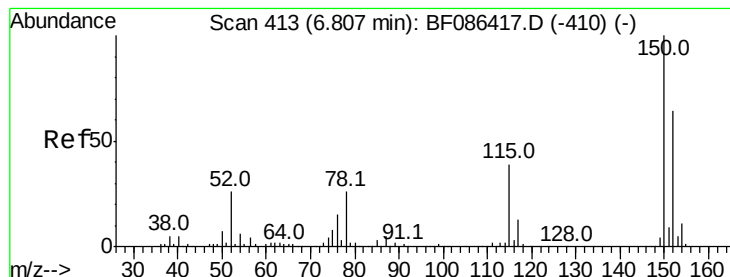
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1ARE

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Quant Time: Apr 28 12:40:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





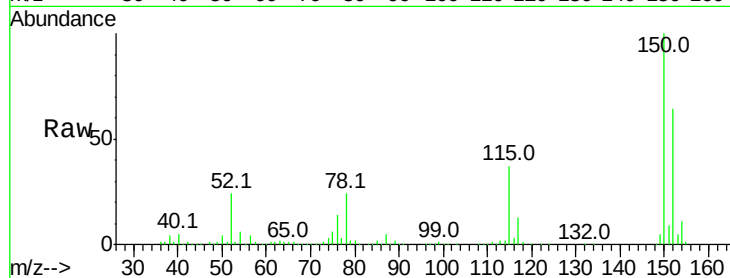
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: BF086466.D
 Acq: 28 Apr 2016 11:23

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.8	188.6
115	58.1	51.5	77.3

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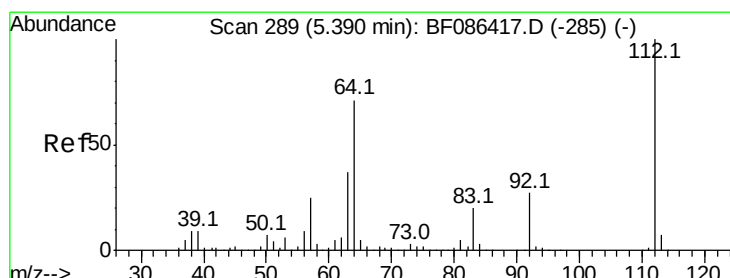
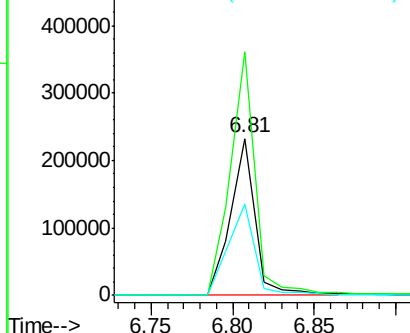
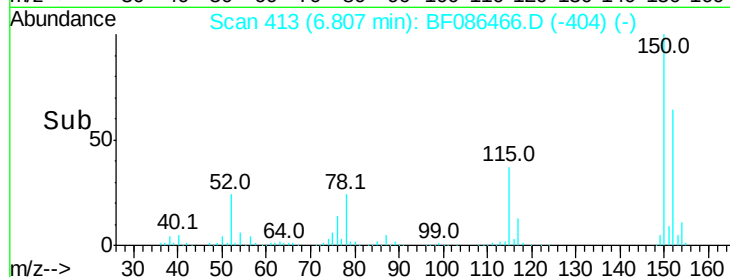


Abundance

Ion 152.00 (151.70 to 152.70): E

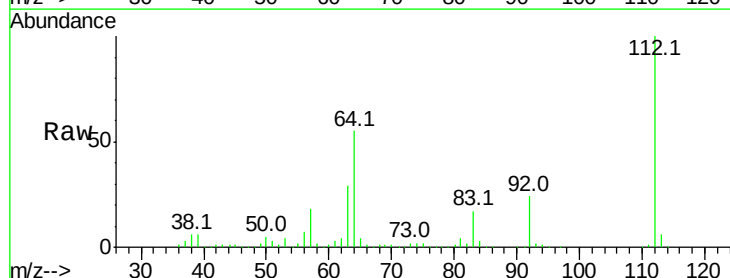
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 58.07 ng
 RT: 5.40 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: BF086466.D
 Acq: 28 Apr 2016 11:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	52.1	78.1
63	28.5	25.7	38.5

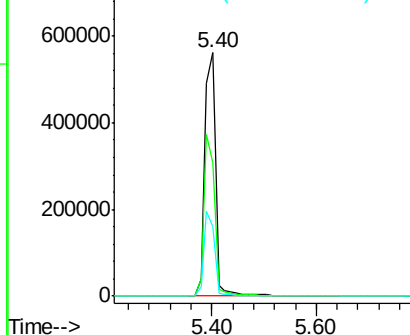
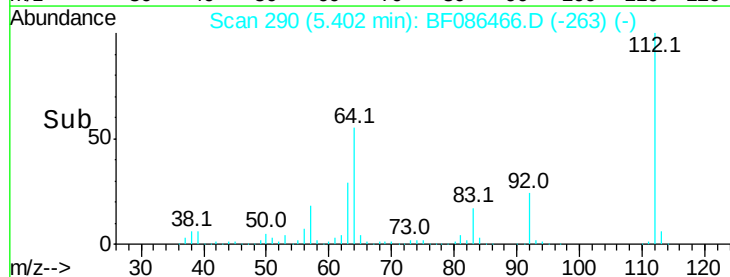


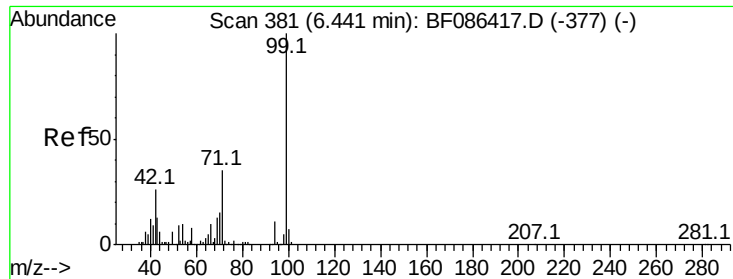
Abundance

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: 56.39 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1ARE

Tot Ion: 99 Resp: 1100406

Ion Ratio Lower Upper

99 100

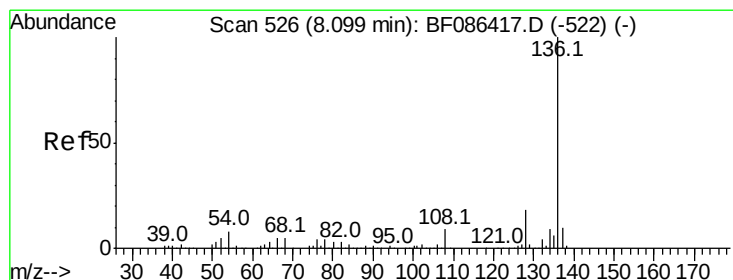
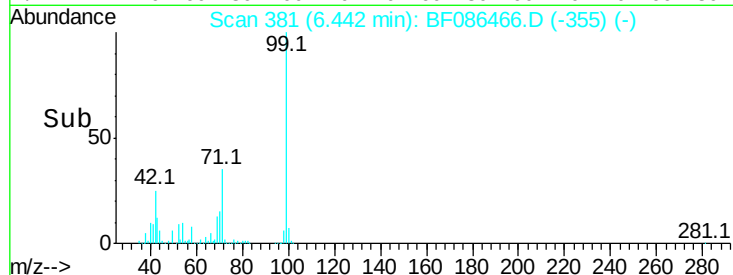
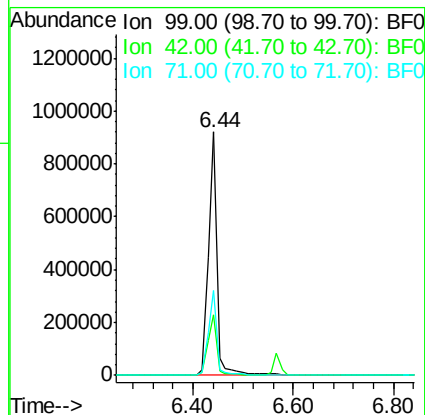
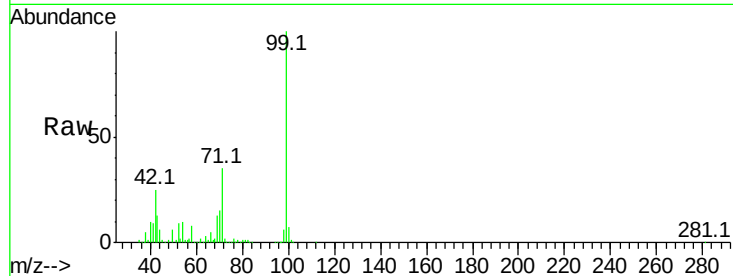
42 25.1 13.6 20.4#

71 34.7 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Tgt Ion: 136 Resp: 884765

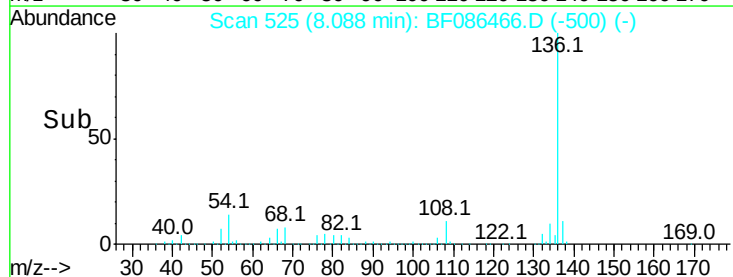
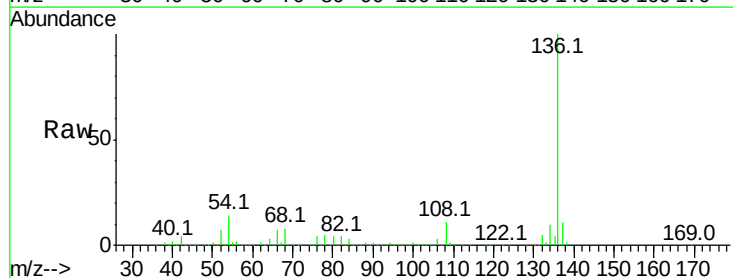
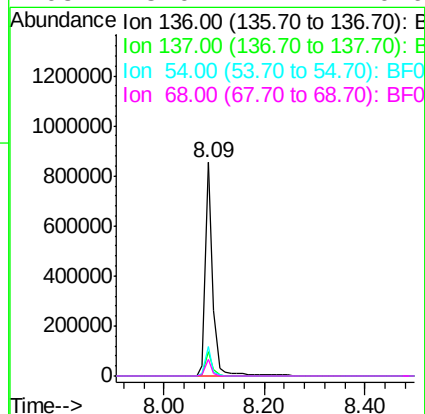
Ion Ratio Lower Upper

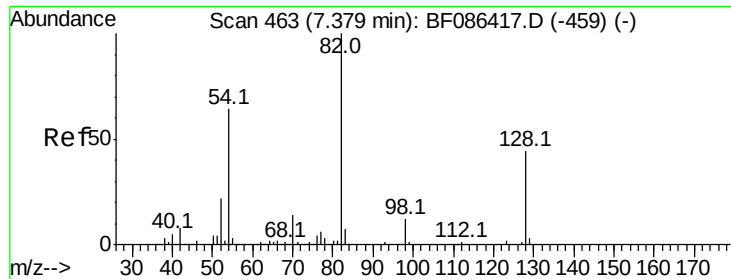
136 100

137 11.3 8.8 13.2

54 13.7 5.0 7.4#

68 8.0 4.4 6.6#





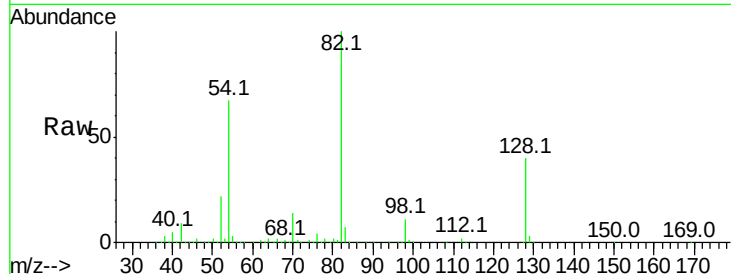
#23
 Nitrobenzene-d5
 Concen: 37.56 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF086466.D
 Acq: 28 Apr 2016 11:23

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1ARE

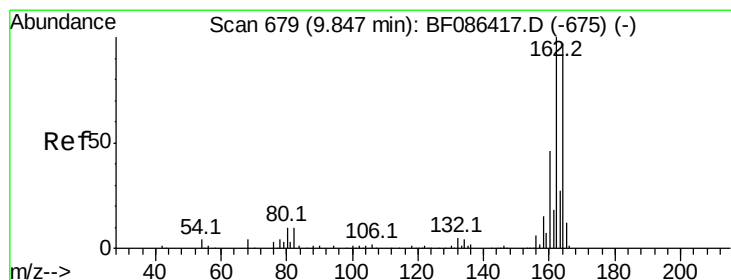
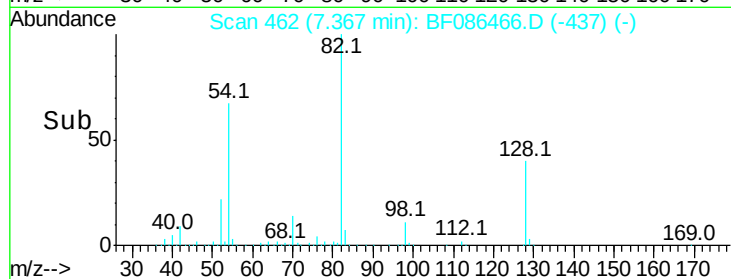
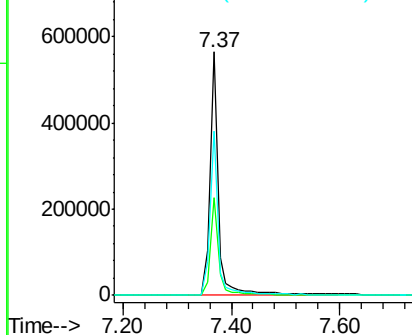
Tot Ion	Ratio	Resp	Lower	Upper
82	100	616520		
128	40.0		40.6	61.0#
54	67.4		38.1	57.1#

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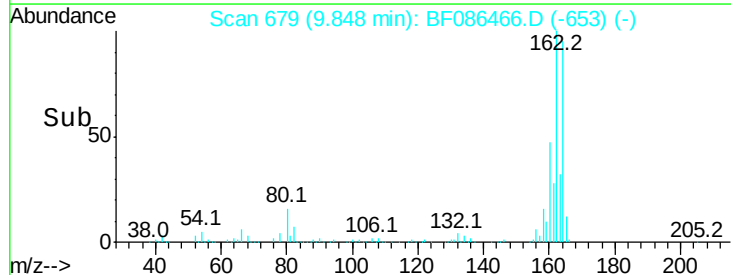
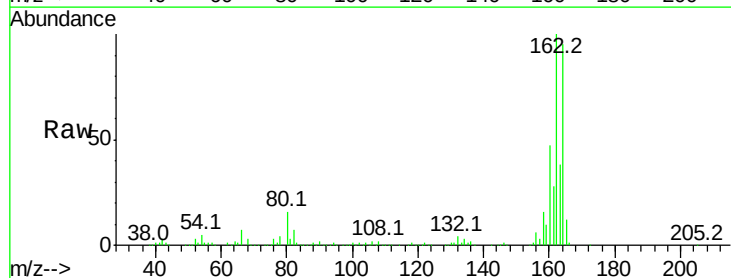
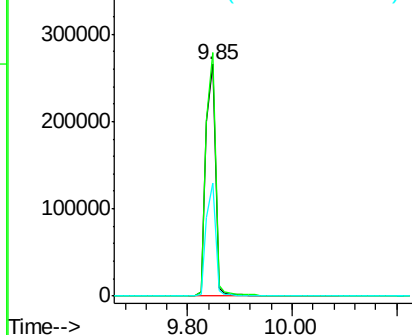
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

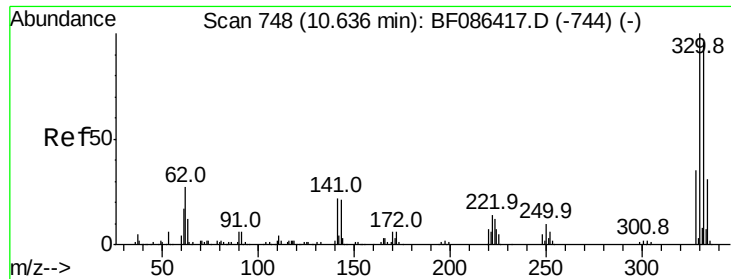


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF086466.D
 Acq: 28 Apr 2016 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	342941		
162	104.9		82.8	124.2
160	48.9		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





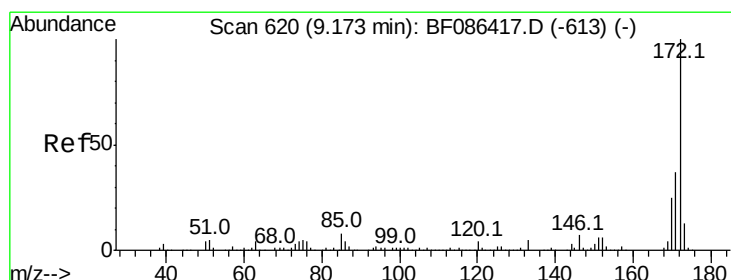
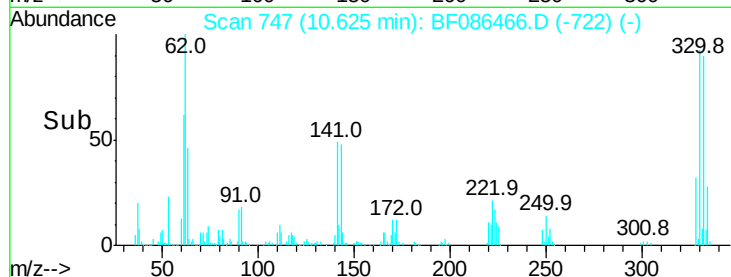
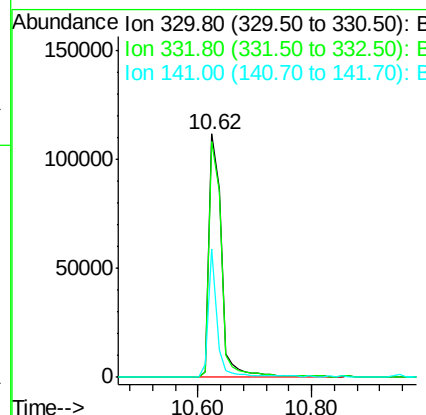
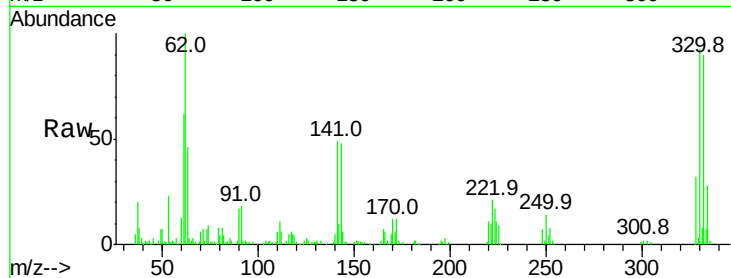
#41
 2,4,6-Tribromophenol
 Concen: 44.86 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086466.D
 Acq: 28 Apr 2016 11:23

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1ARE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	162239		
332	97.1	79.0	118.4	
141	38.0	31.2	46.8	

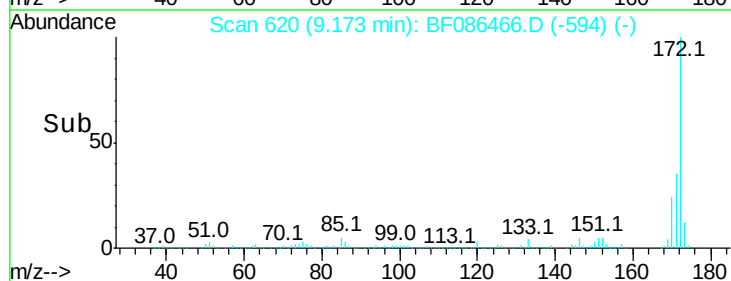
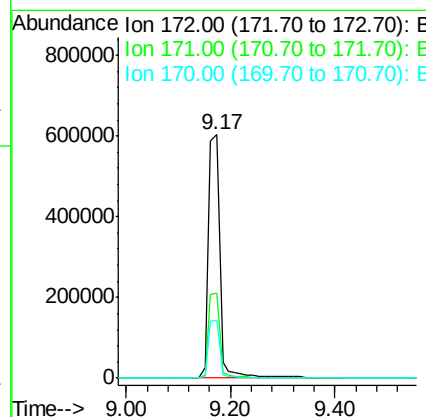
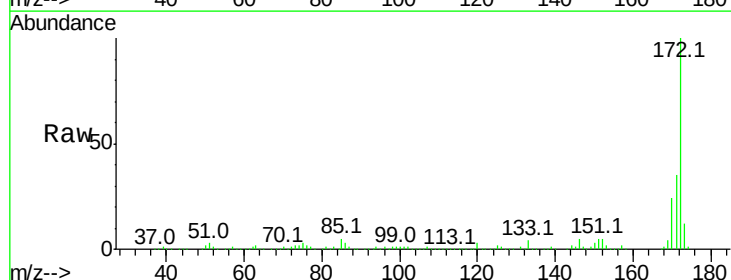
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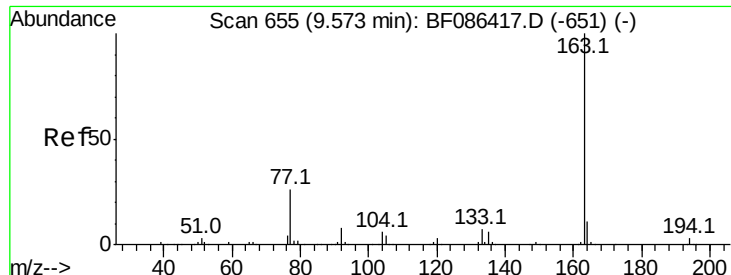
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#44
 2-Fluorobiphenyl
 Concen: 40.90 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086466.D
 Acq: 28 Apr 2016 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	929644		
171	34.8	29.0	43.6	
170	23.6	19.8	29.8	





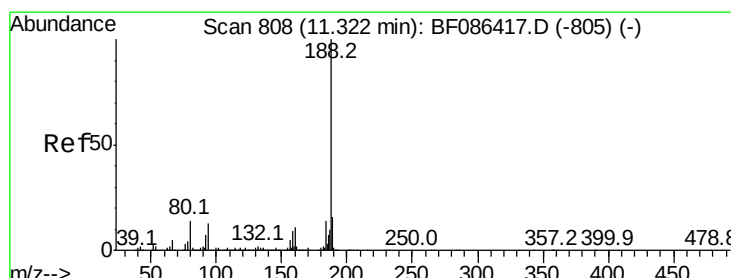
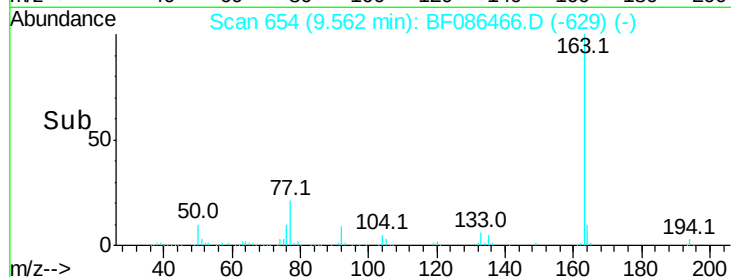
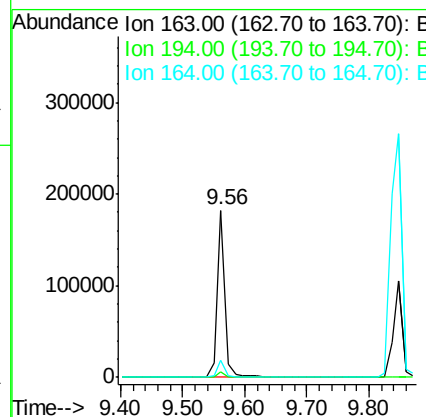
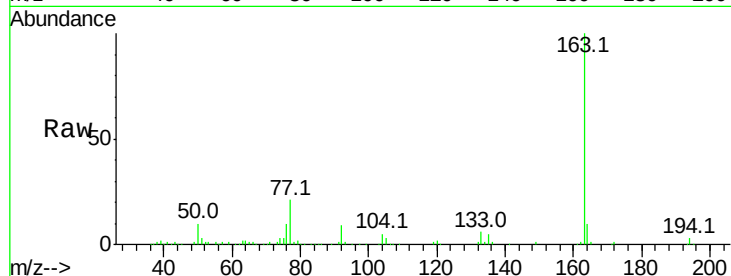
#49
Dimethylphthalate
Concen: 6.05 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086466.D
Acq: 28 Apr 2016 11:23

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1ARE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	156280		
194	3.2	2.6	4.0	
164	10.2	8.2	12.4	

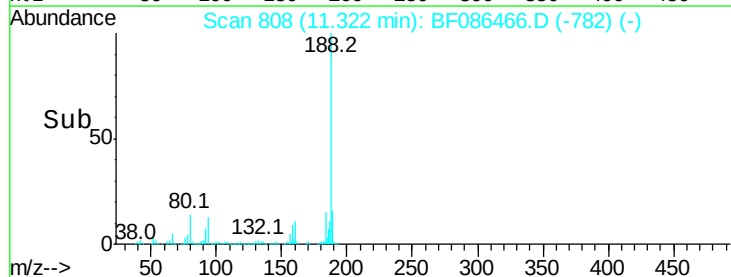
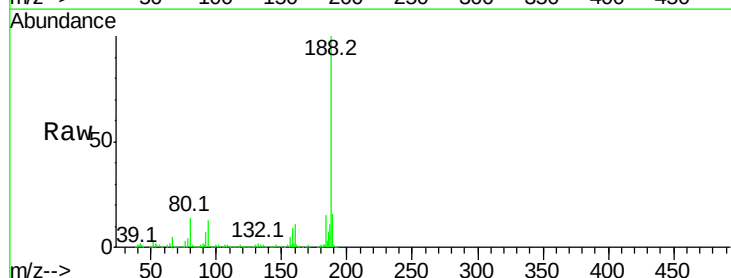
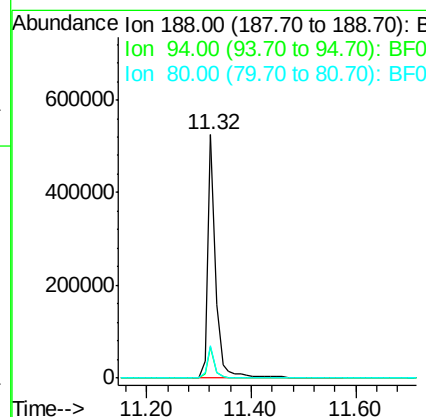
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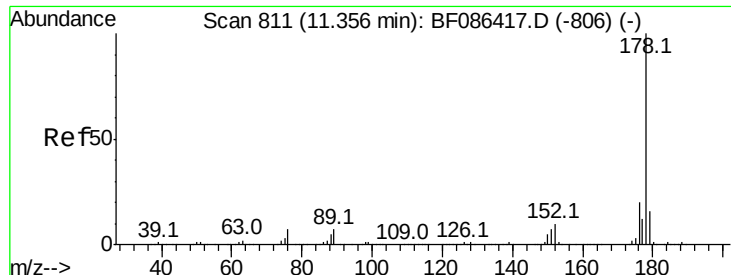
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086466.D
Acq: 28 Apr 2016 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	564830		
94	12.6	6.8	10.2#	
80	13.5	7.1	10.7#	





#70

Phenanthrene

Concen: 5.22 ng

RT: 11.35 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Instrument :

BNA_F

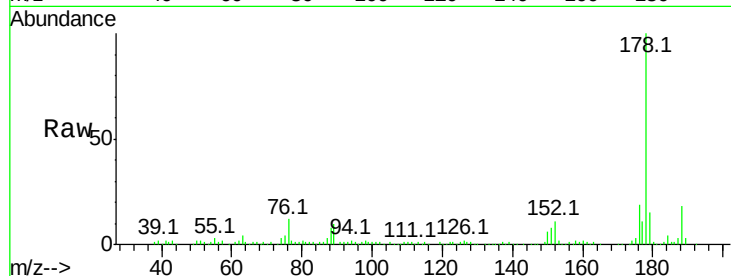
ClientSampleId :

TEC-COMP-B1ARE

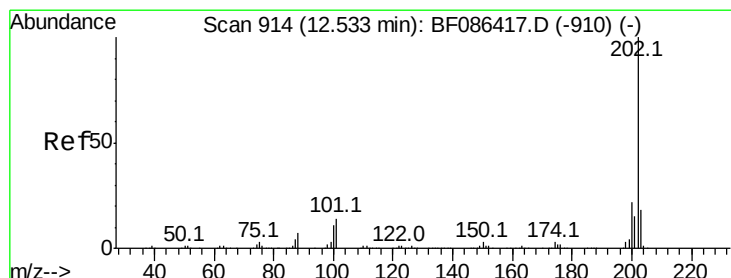
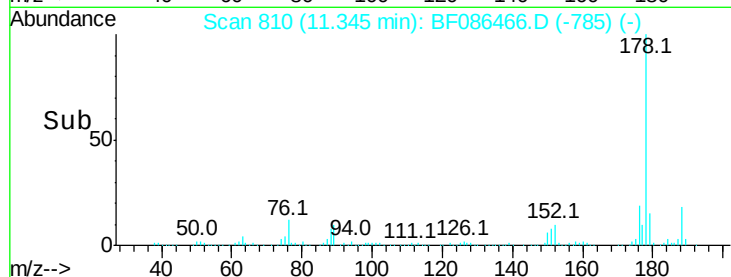
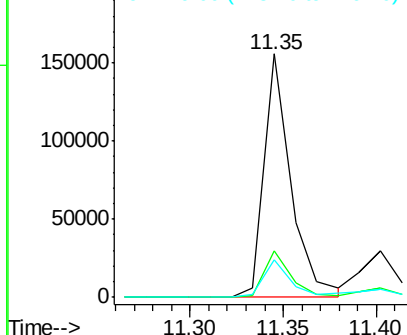
Tot Ion:	178	Resp:	154635
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.0	24.0
179	15.3	12.6	18.8

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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



#74

Fluoranthene

Concen: 11.01 ng

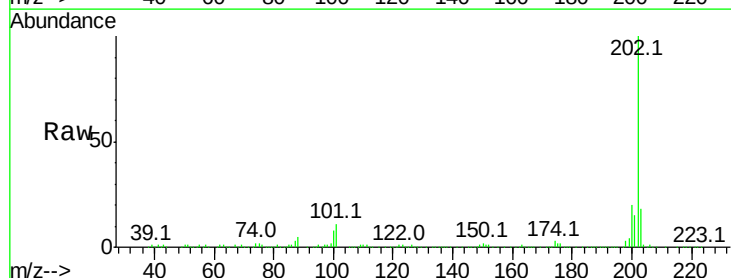
RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

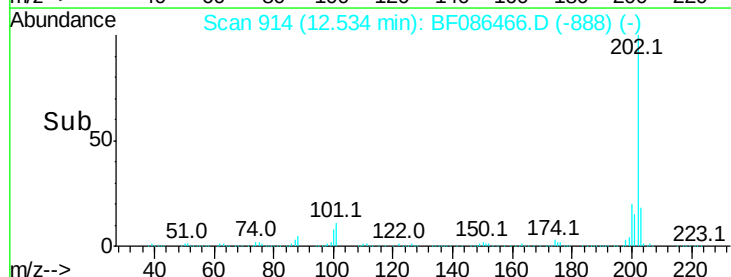
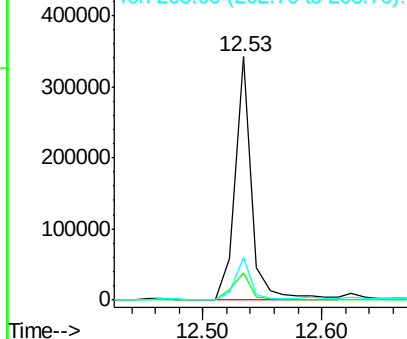
Lab File: BF086466.D

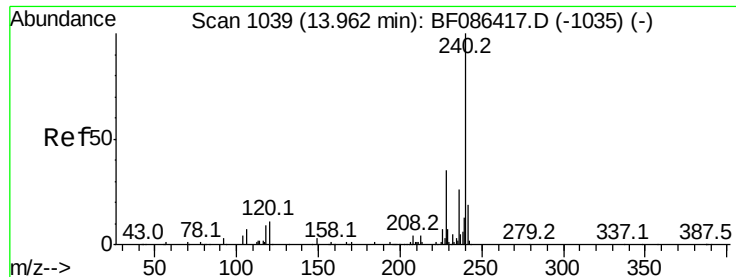
Acq: 28 Apr 2016 11:23

Tgt Ion:	202	Resp:	329398
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	35.4
203	17.7	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: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Instrument :

BNA_F

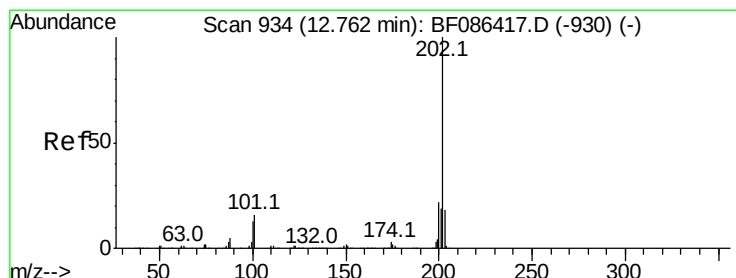
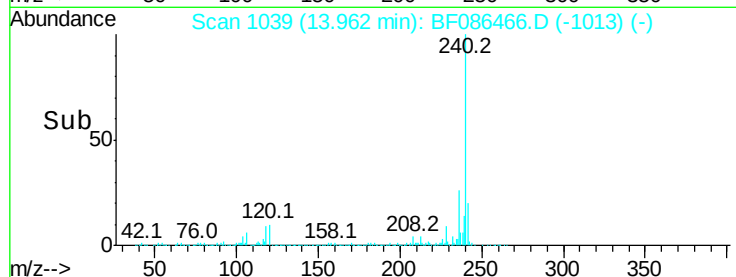
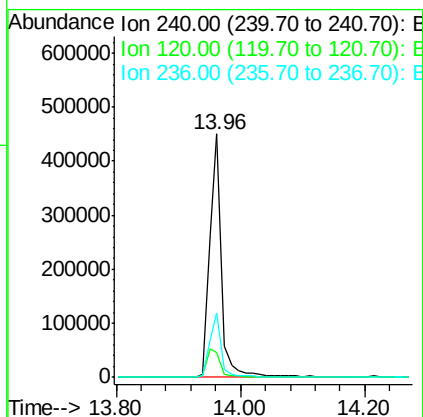
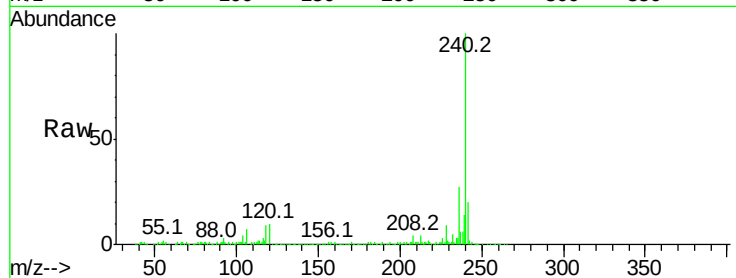
ClientSampleId :

TEC-COMP-B1ARE

Tot Ion:	240	Resp:	589133
Ion Ratio	Lower	Upper	
240	100		
120	10.1	11.2	16.8#
236	26.5	21.2	31.8

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#77

Pyrene

Concen: 7.95 ng

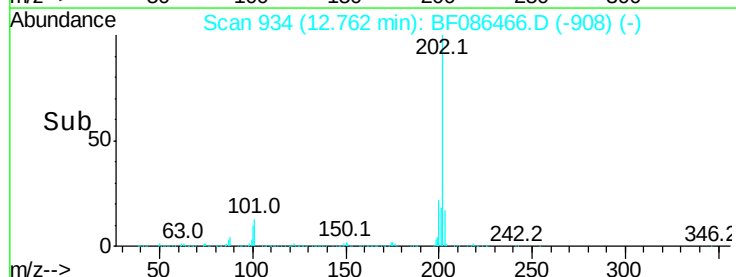
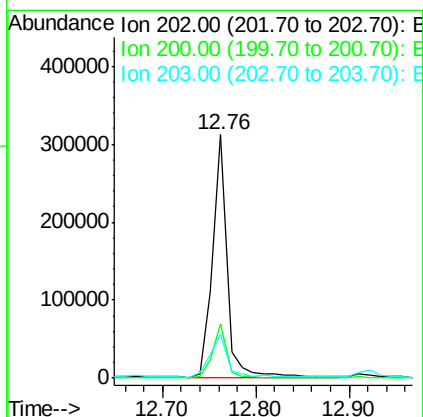
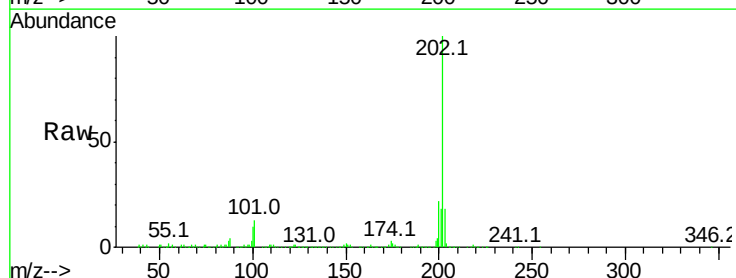
RT: 12.76 min Scan# 934

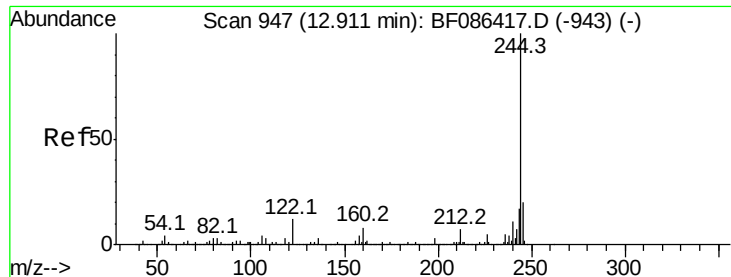
Delta R.T. 0.00 min

Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Tgt Ion:	202	Resp:	337301
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.7	26.5
203	17.9	14.2	21.4





#78

Terphenyl-d14

Concen: 28.17 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086466.D

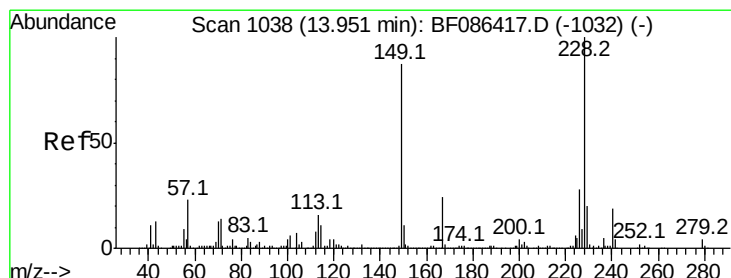
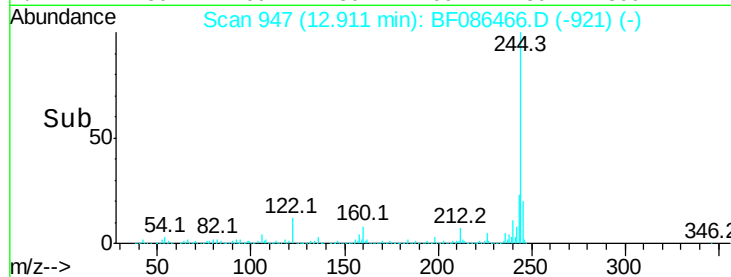
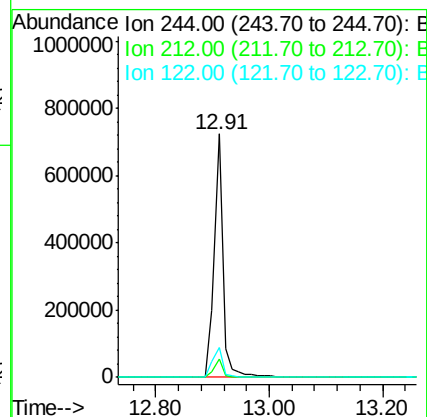
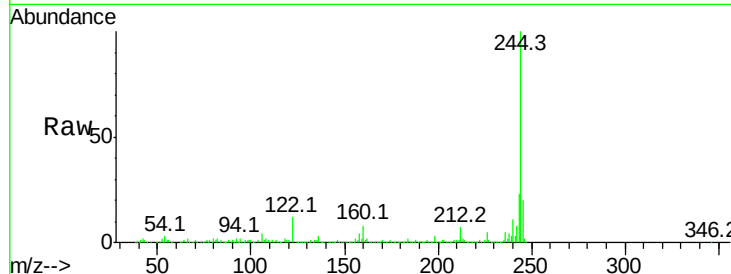
Acq: 28 Apr 2016 11:23

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1ARE

Tot Ion:	244	Resp:	753319
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	12.4	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 5.55 ng

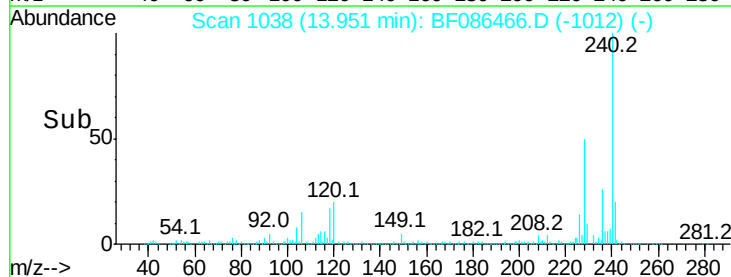
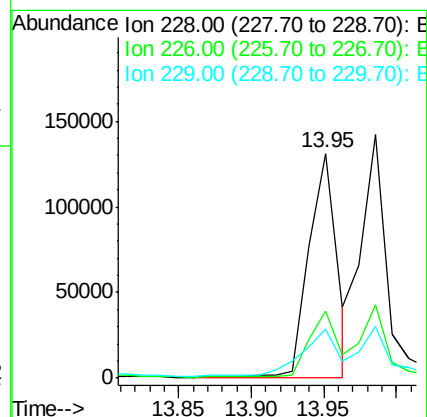
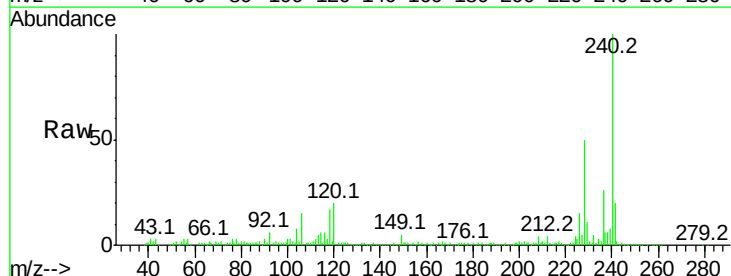
RT: 13.95 min Scan# 1038

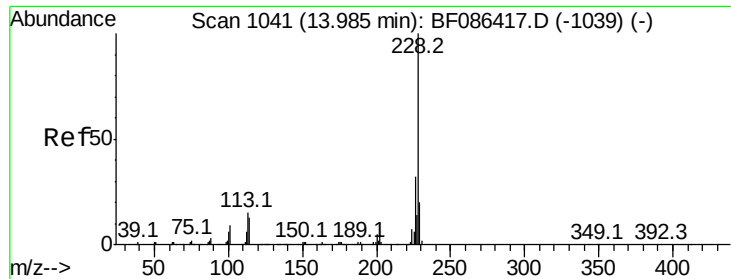
Delta R.T. 0.00 min

Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Tgt Ion:	228	Resp:	174280
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.5	33.7
229	21.9	16.6	25.0





#82

Chrysene

Concen: 5.18 ng/mL

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Instrument:

BNA_F

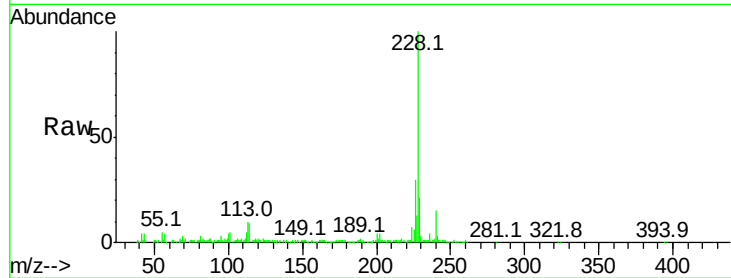
ClientSampleId:

TEC-COMP-B1ARE

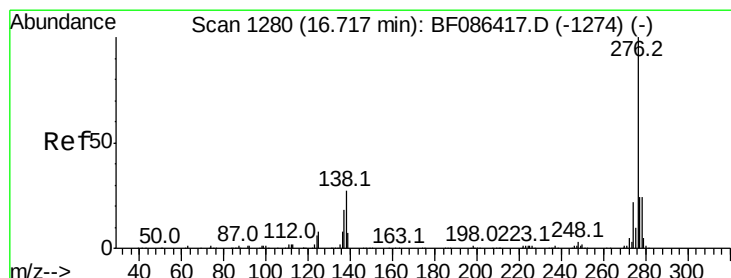
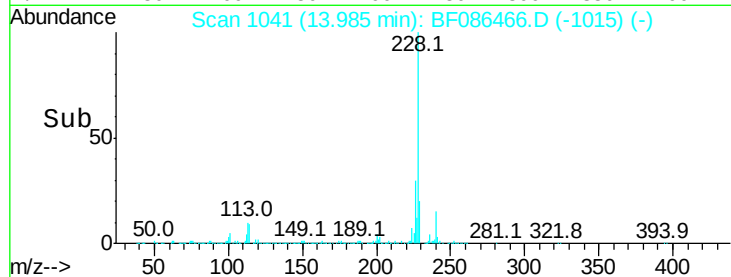
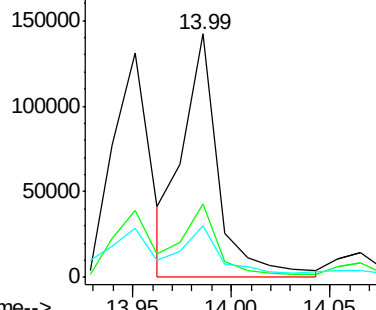
Tot Ion:	228	Resp:	176784
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.4	36.6
229	21.4	15.8	23.8

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.28 ng/mL

RT: 16.72 min Scan# 1280

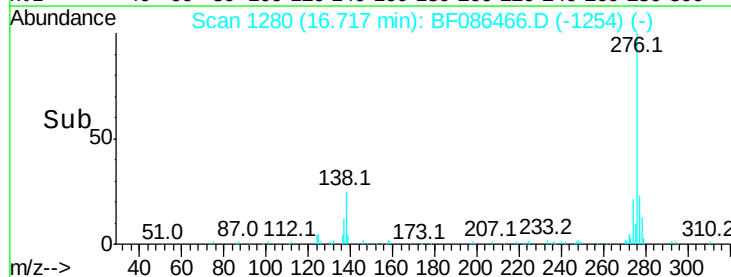
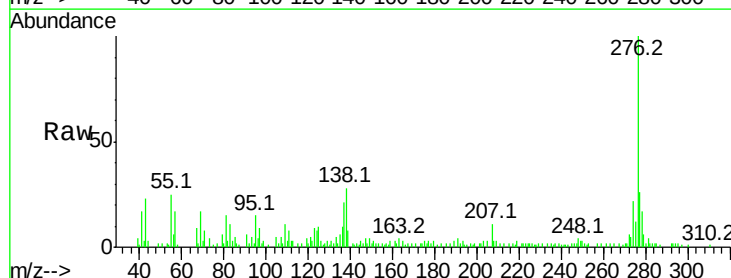
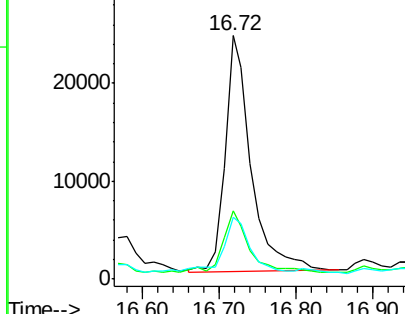
Delta R.T. 0.00 min

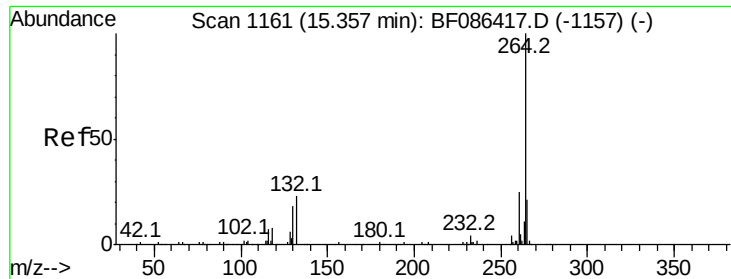
Lab File: BF086466.D

Acq: 28 Apr 2016 11:23

Tgt Ion:	276	Resp:	57639
Ion Ratio	Lower	Upper	
276	100		
138	26.5	25.6	38.4
277	24.4	20.5	30.7

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





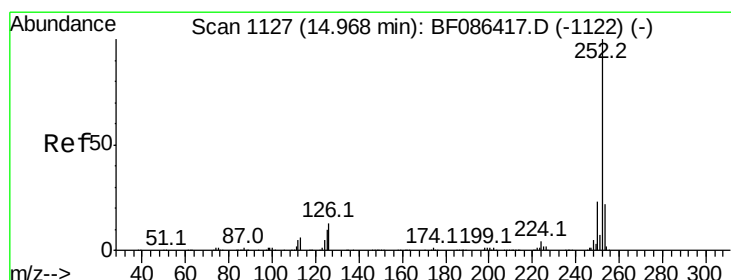
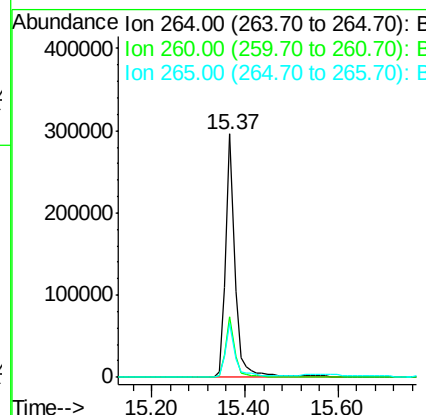
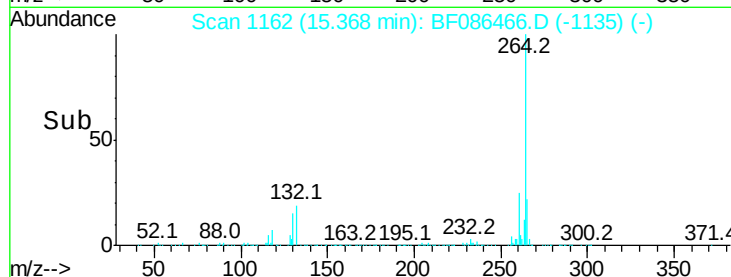
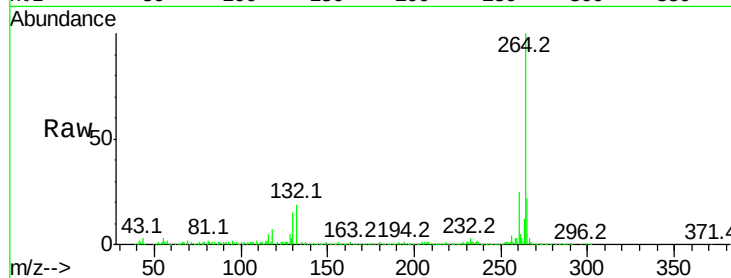
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086466.D
Acq: 28 Apr 2016 11:23

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1ARE

Tot Ion:	264	Resp:	411831
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	22.3	17.3	25.9

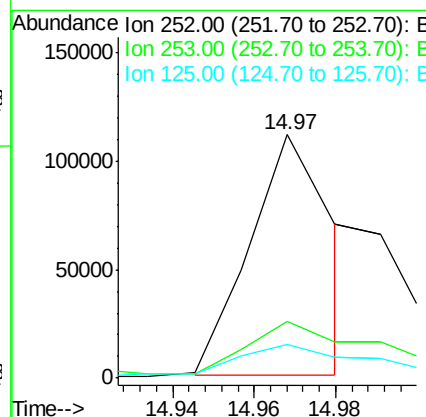
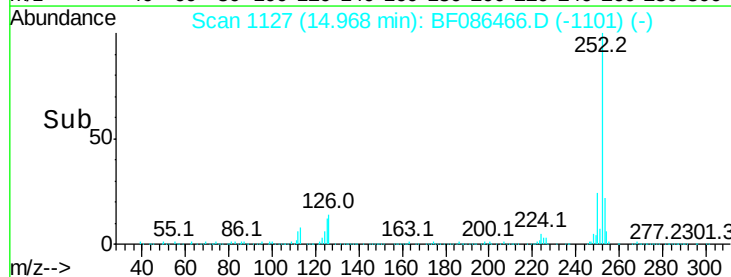
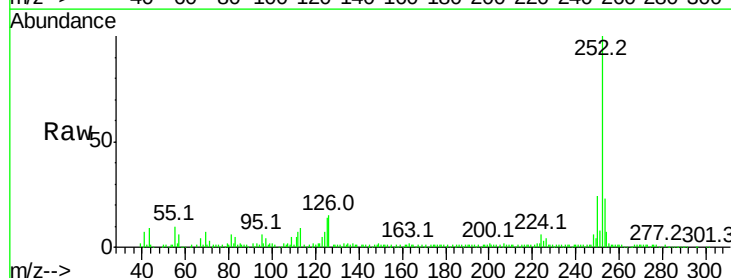
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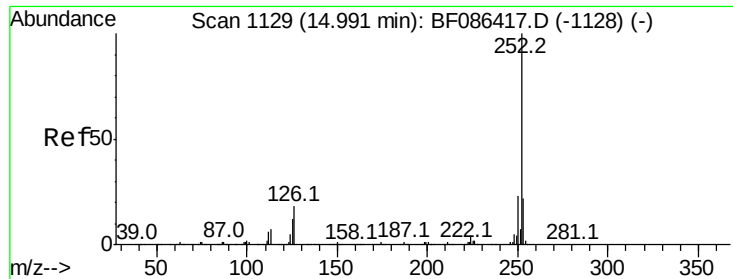
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#87
Benzo(b)fluoranthene
Concen: 6.47 ng m
RT: 14.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF086466.D
Acq: 28 Apr 2016 11:23

Tgt Ion:	252	Resp:	156806
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.6
125	13.9	11.4	17.0





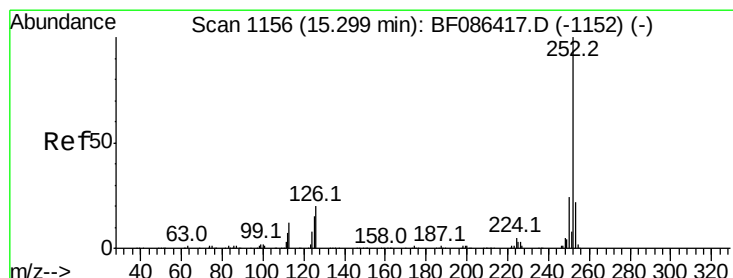
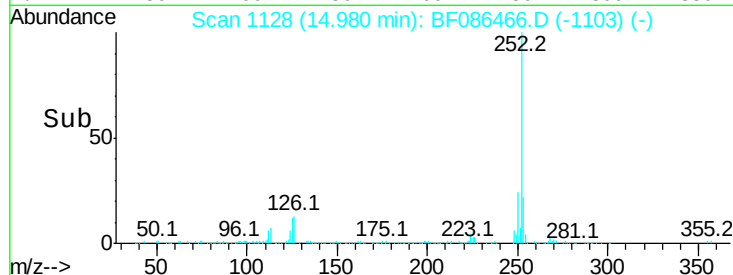
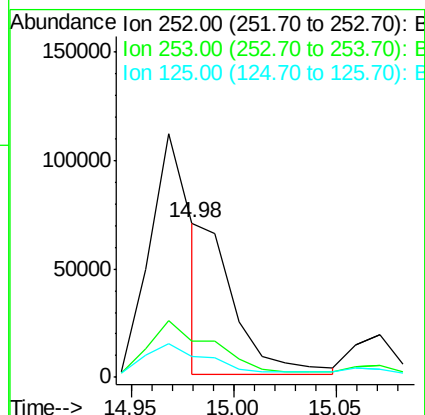
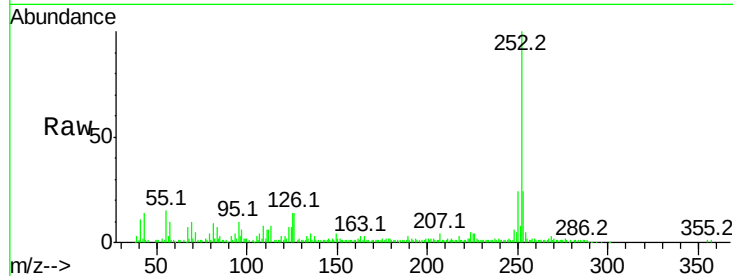
#88
Benzo(k)fluoranthene
Concen: 2.94 ng/mL
RT: 14.98 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF086466.D
Acq: 28 Apr 2016 11:23

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1ARE

Tot Ion:	252	Resp:	74202
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.6
125	13.6	9.1	13.7

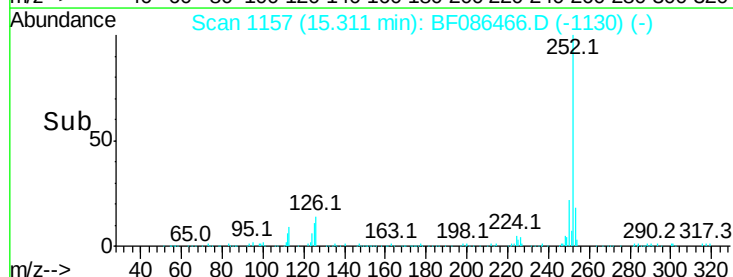
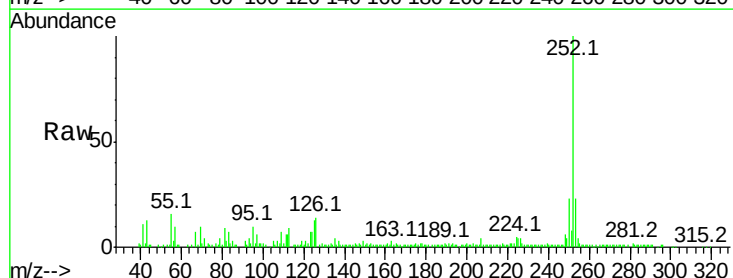
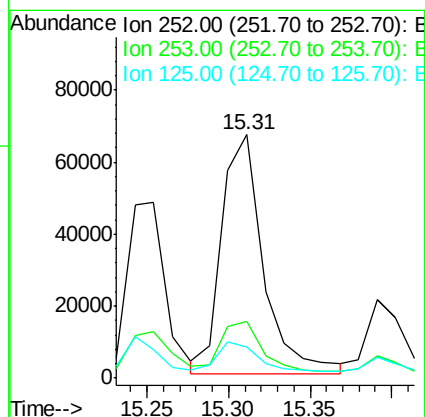
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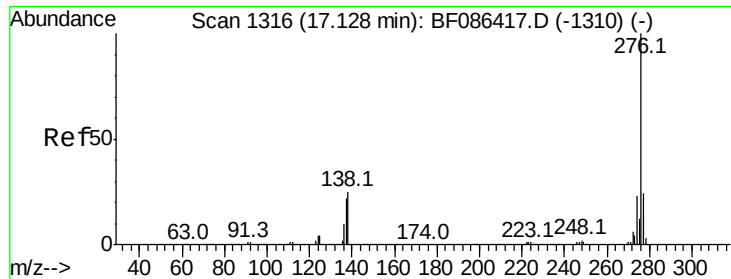
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#89
Benzo(a)pyrene
Concen: 5.18 ng/mL
RT: 15.31 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF086466.D
Acq: 28 Apr 2016 11:23

Tgt Ion:	252	Resp:	118428
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	12.6	9.0	13.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.15 ng
 RT: 17.13 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF086466.D
 Acq: 28 Apr 2016 11:23

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1ARE

Tot Ion:	276	Resp:	59119
Ion Ratio		Lower	Upper
276	100		
277	24.6	19.6	29.4
138	26.4	23.6	35.4

Manual Integrations
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