

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086445.D
 Acq On : 28 Apr 2016 1:24
 Operator : UM/SJ
 Sample : H2702-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

Manual Integrations
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Quant Time: Apr 28 02:28:36 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	130565	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	465460	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	179311	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	279483	20.00	ng	0.00
75) Chrysene-d12	13.96	240	301864	20.00	ng	0.00
86) Perylene-d12	15.37	264	215532	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1150963	152.05	ng	0.01
7) Phenol-d6	6.45	99	1615897	152.95	ng	0.01
23) Nitrobenzene-d5	7.38	82	926594	107.30	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	238333	126.04	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1291464	144.35	ng	0.00
78) Terphenyl-d14	12.91	244	851011	62.11	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	246900	18.29	ng	100
70) Phenanthrene	11.35	178	126111	8.60	ng	98
71) Anthracene	11.40	178	40466	2.59	ng	98
74) Fluoranthene	12.53	202	277512	18.74	ng	97
77) Pyrene	12.76	202	291446	13.40	ng	98
80) Benzo(a)anthracene	13.95	228	193845	12.04	ng	96
82) Chrysene	13.99	228	128692m	7.36	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	55056	4.25	ng	93
87) Benzo(b)fluoranthene	14.97	252	154408m	12.18	ng	
88) Benzo(k)fluoranthene	14.98	252	80432m	6.08	ng	
89) Benzo(a)pyrene	15.31	252	116629	9.74	ng	96
91) Benzo(a,h,i)perylene	17.13	276	55187	5.62	ng	99

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

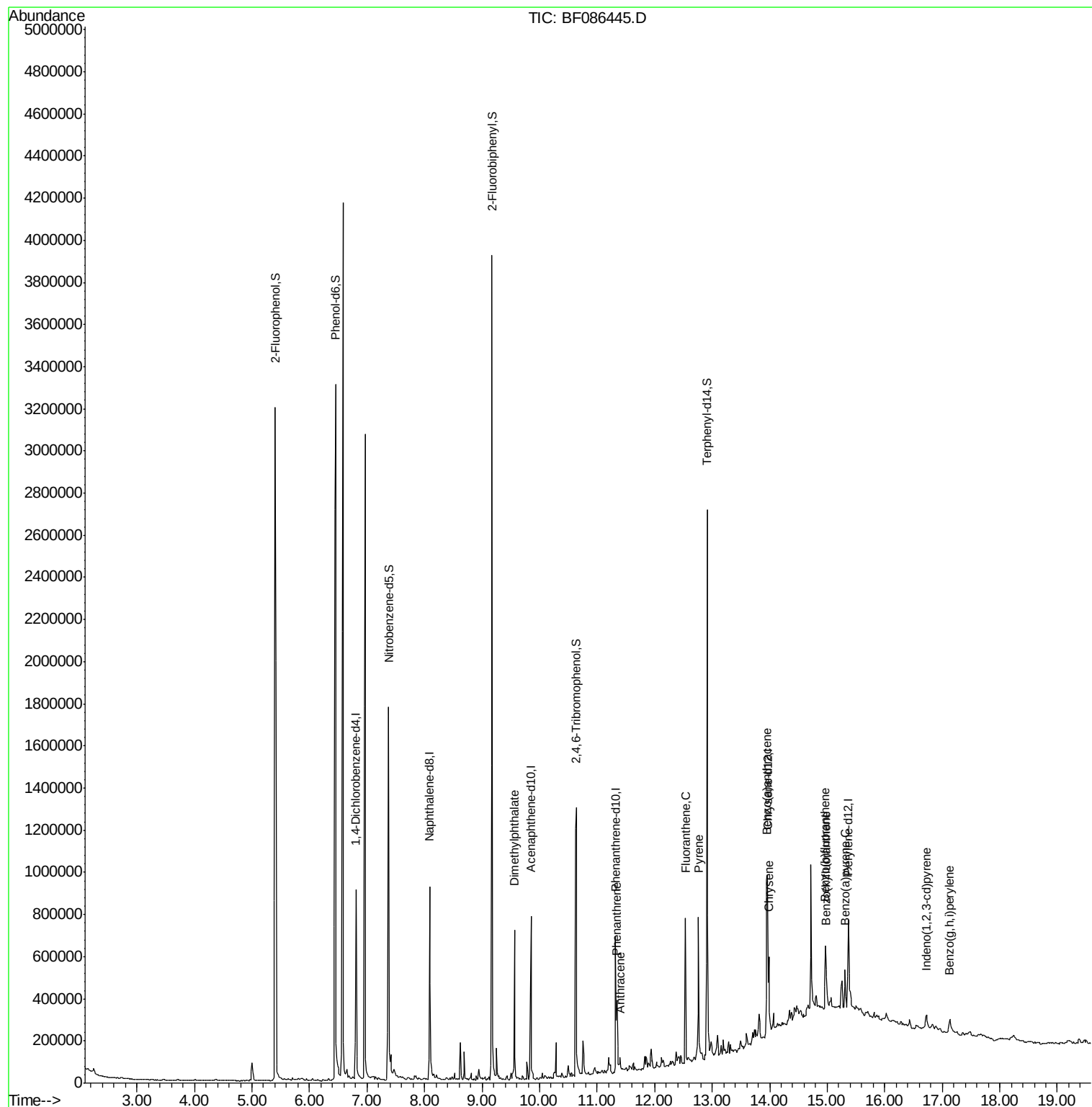
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
Data File : BF086445.D
Acq On : 28 Apr 2016 1:24
Operator : UM/SJ
Sample : H2702-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

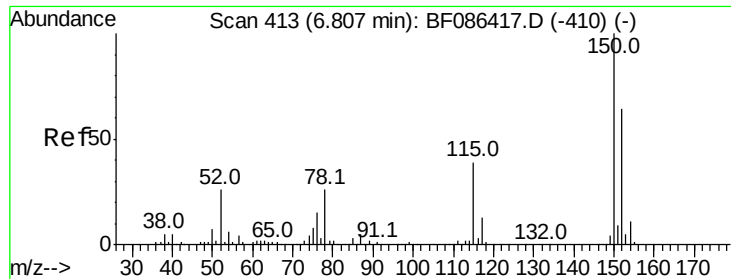
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

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Quant Time: Apr 28 02:28:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
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#1

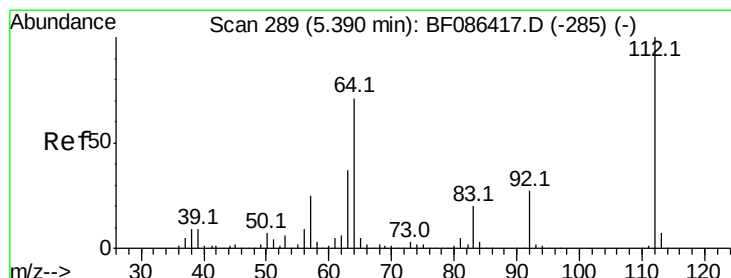
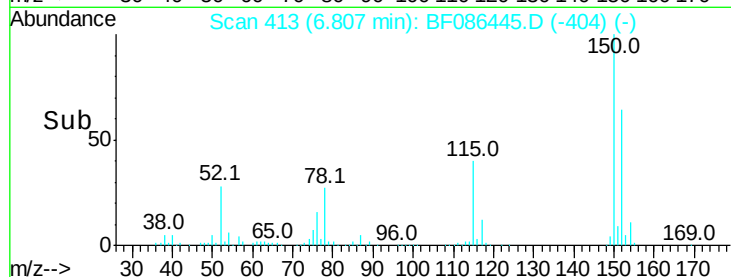
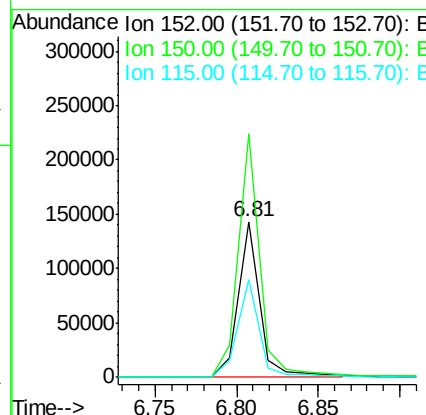
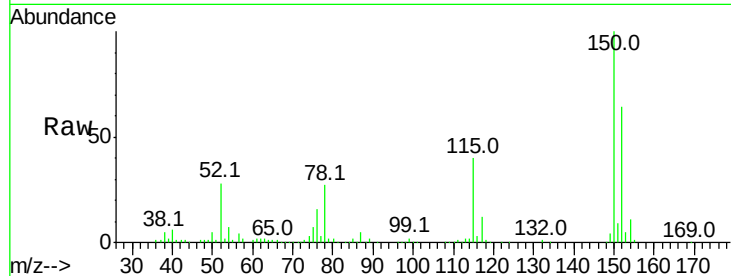
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.8	188.6
115	63.1	51.5	77.3

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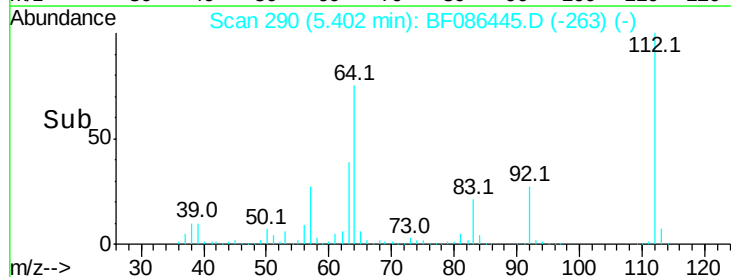
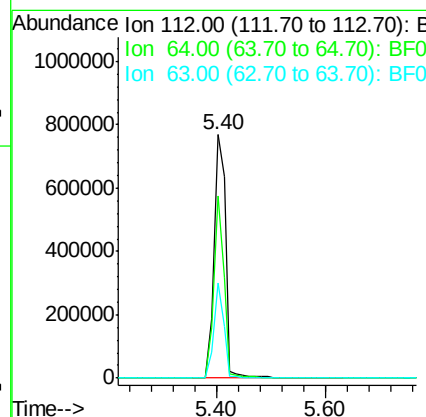
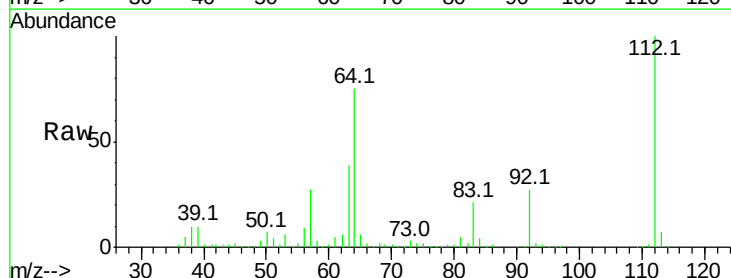
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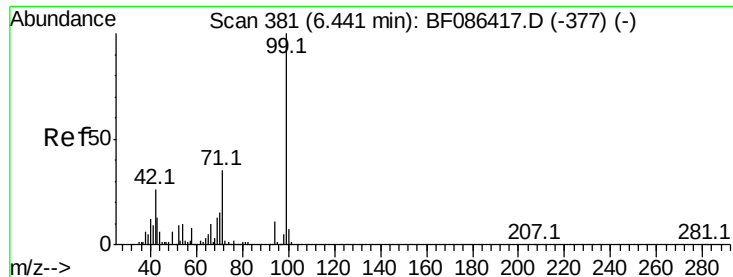


#5

2-Fluorophenol
Concen: 152.05 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.8	52.1	78.1
63	39.1	25.7	38.5





#7

Phenol-d6

Concen: 152.95 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B1B

Tot Ion: 99 Resp: 1615897

Ion Ratio Lower Upper

99 100

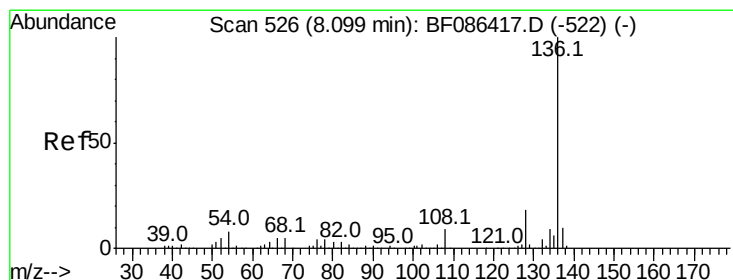
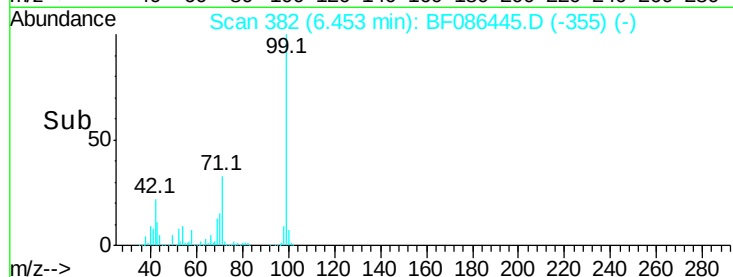
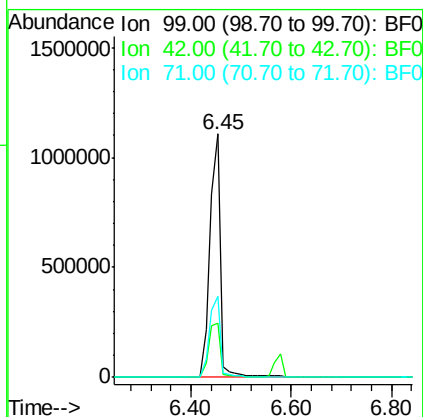
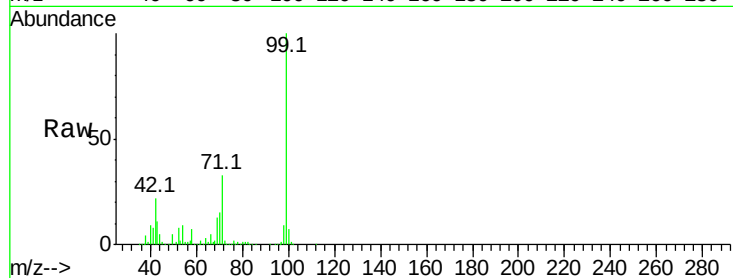
42 22.3 13.6 20.4#

71 33.5 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: BF086445.D

Acq: 28 Apr 2016 1:24

Tgt Ion: 136 Resp: 465460

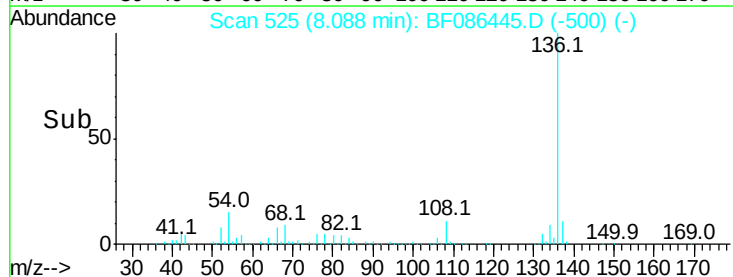
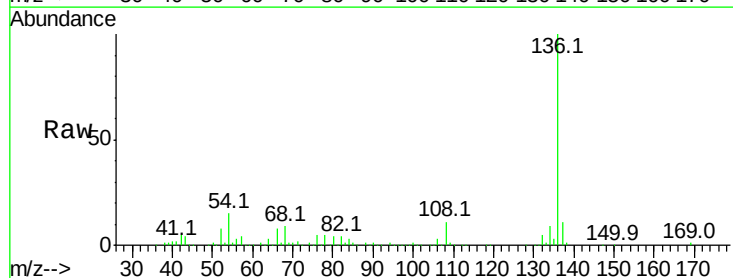
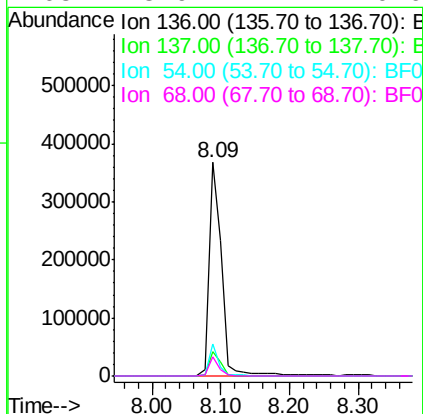
Ion Ratio Lower Upper

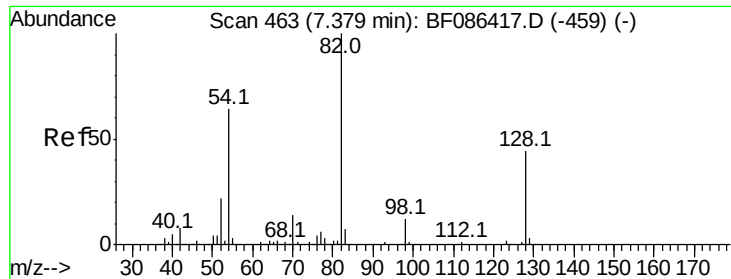
136 100

137 11.2 8.8 13.2

54 15.2 5.0 7.4#

68 8.9 4.4 6.6#





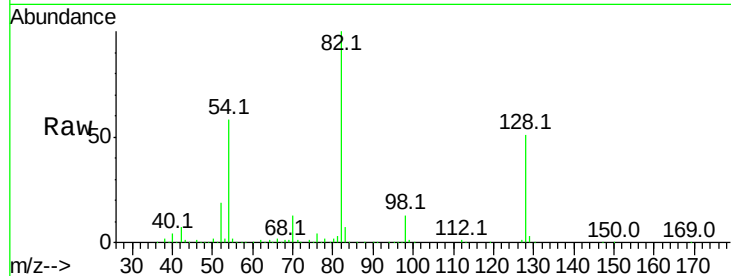
#23
 Nitrobenzene-d5
 Concen: 107.30 ng
 RT: 7.38 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

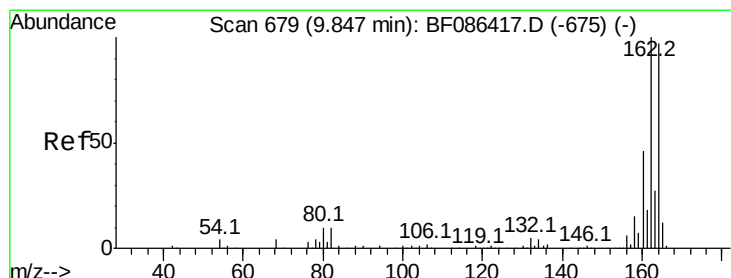
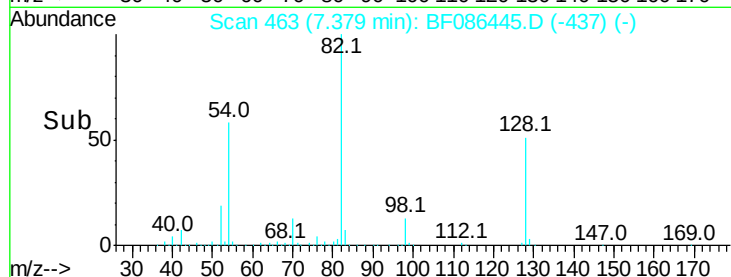
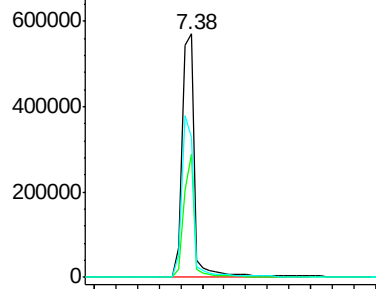
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.7	40.6	61.0	
54	57.7	38.1	57.1	

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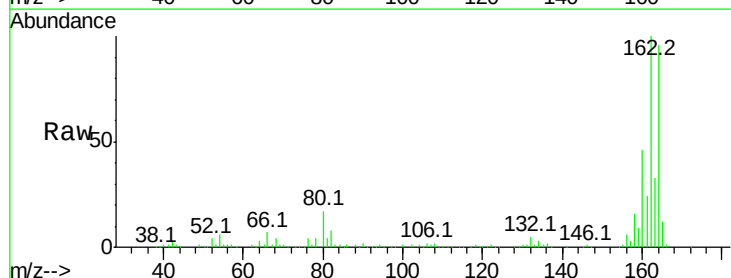


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

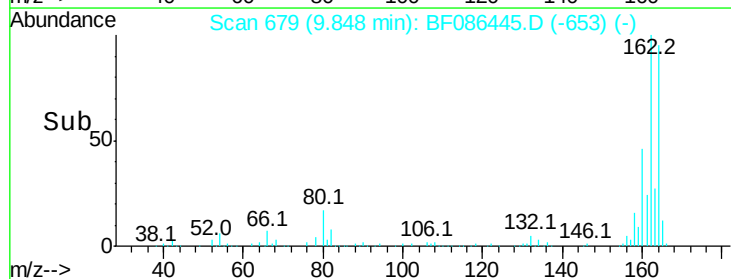
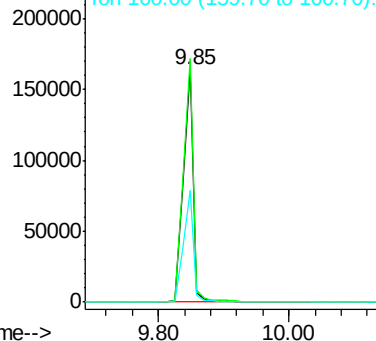


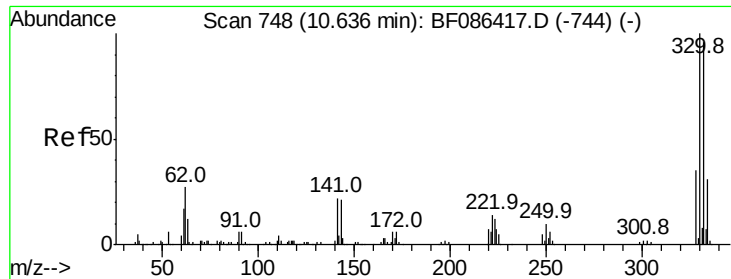
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.4	82.8	124.2	
160	48.0	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





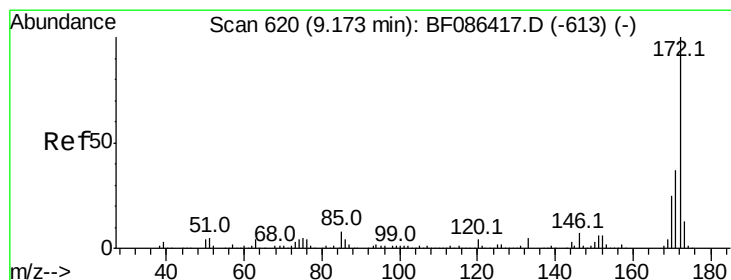
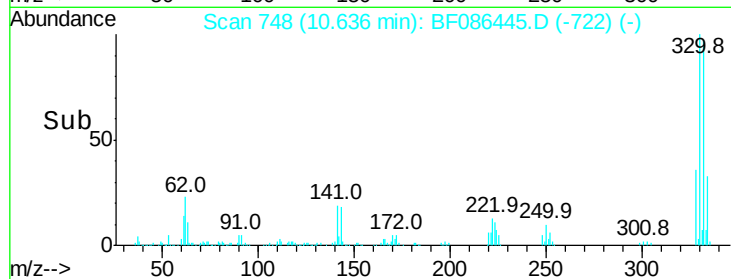
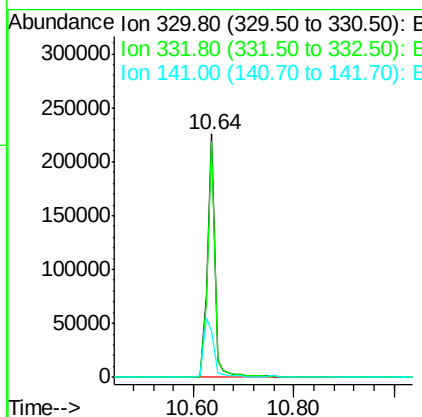
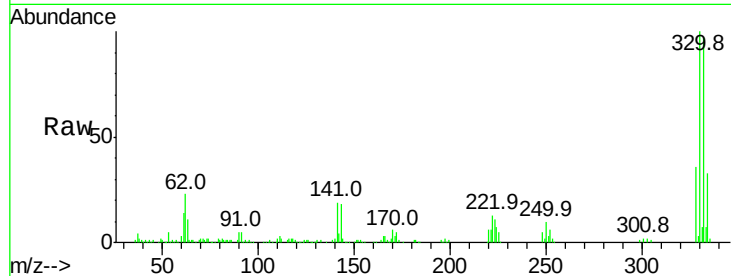
#41
 2,4,6-Tribromophenol
 Concen: 126.04 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B1B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	238333		
332	96.0	79.0	118.4	
141	32.8	31.2	46.8	

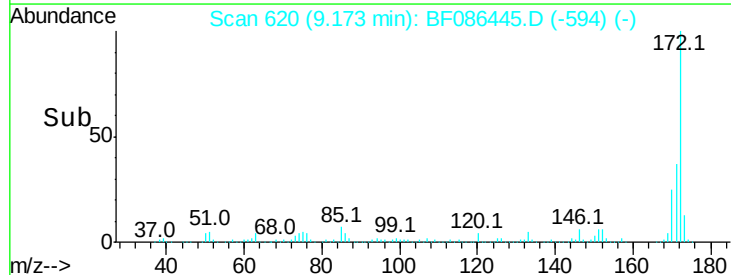
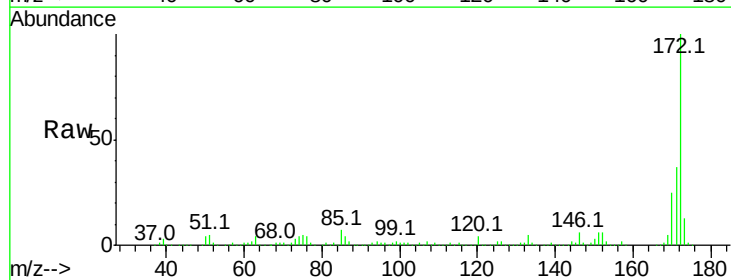
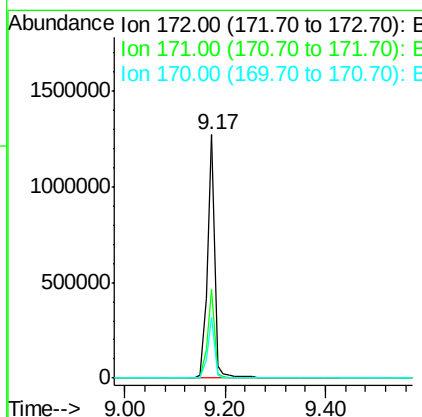
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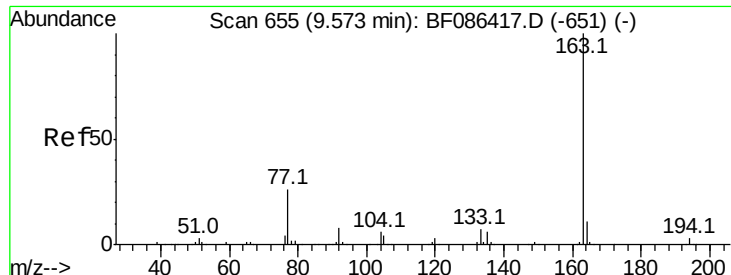
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#44
 2-Fluorobiphenyl
 Concen: 144.35 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086445.D
 Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1291464		
171	36.5	29.0	43.6	
170	24.8	19.8	29.8	





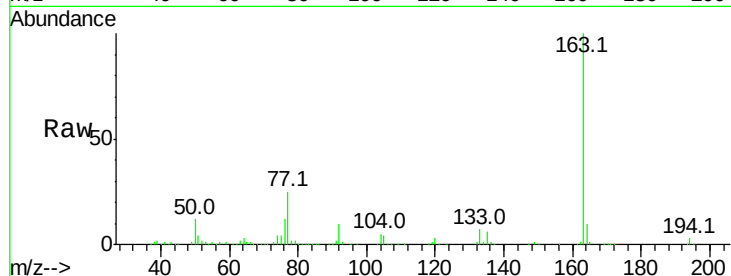
#49
Dimethylphthalate
Concen: 18.29 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

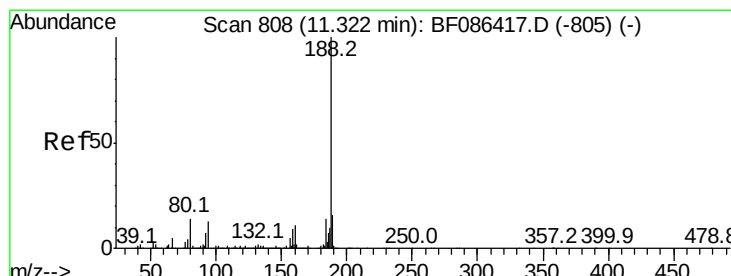
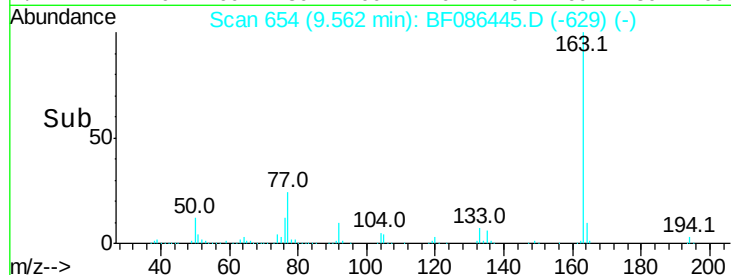
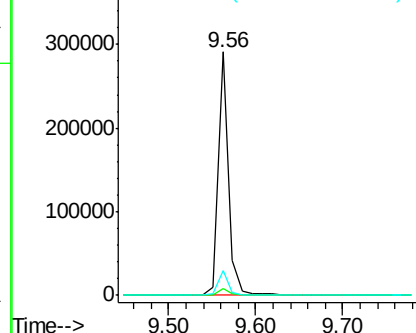
Tot Ion	Ratio	Resp	Lower	Upper
163	100	246900		
194	3.1	2.6	4.0	
164	10.2	8.2	12.4	

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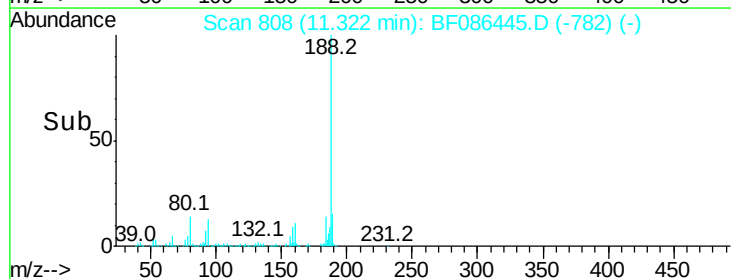
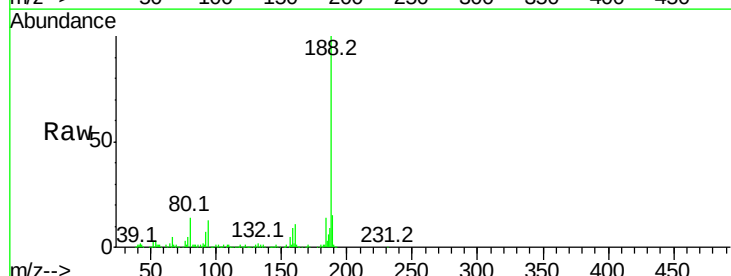
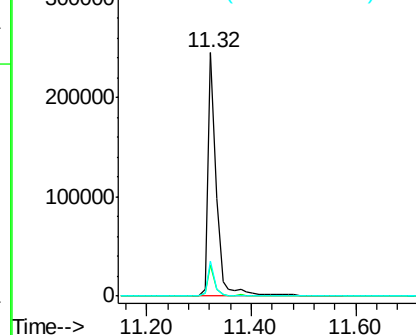
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

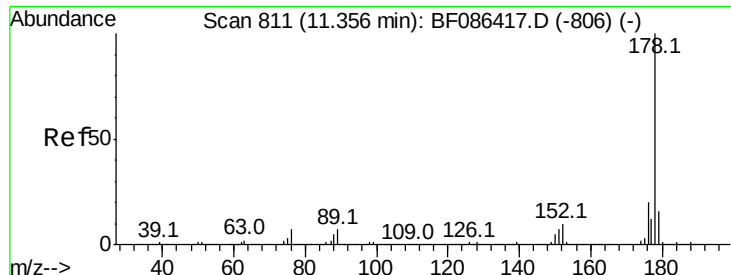


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	279483		
94	12.8	6.8	10.2#	
80	14.2	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





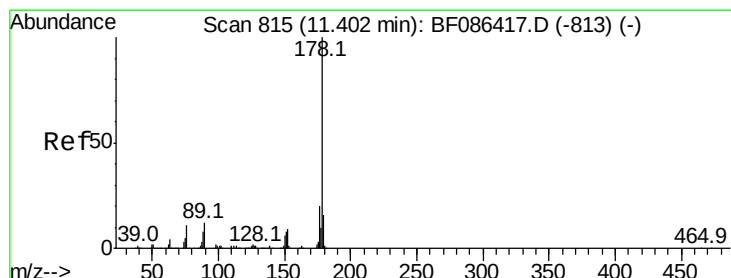
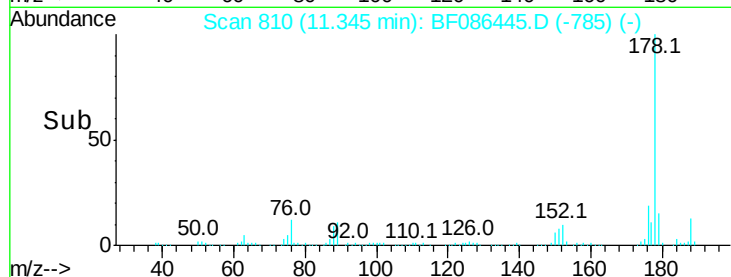
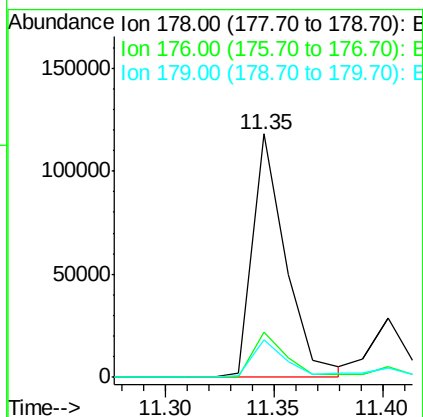
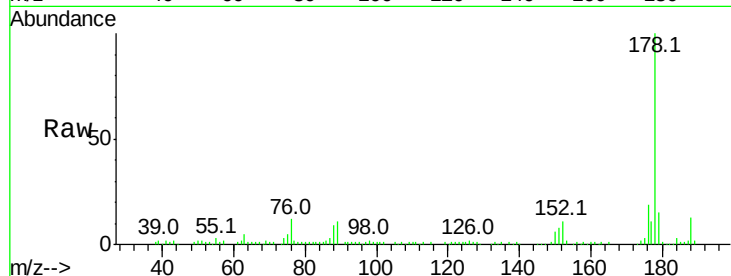
#70
Phenanthrene
Concen: 8.60 ng
RT: 11.35 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.0	24.0
179	15.3	12.6	18.8

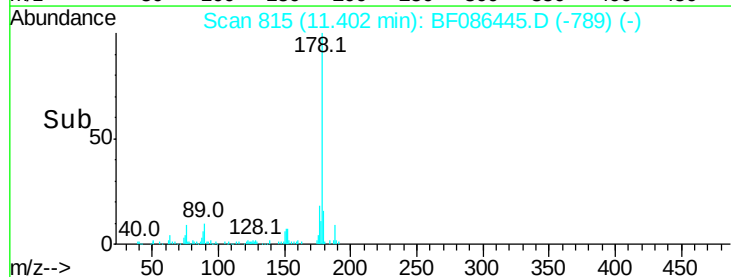
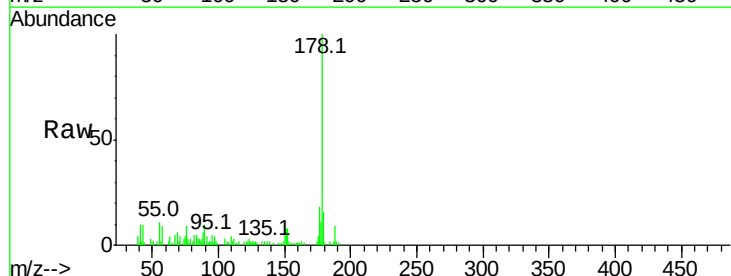
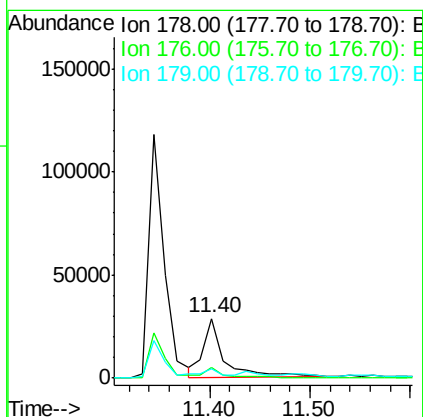
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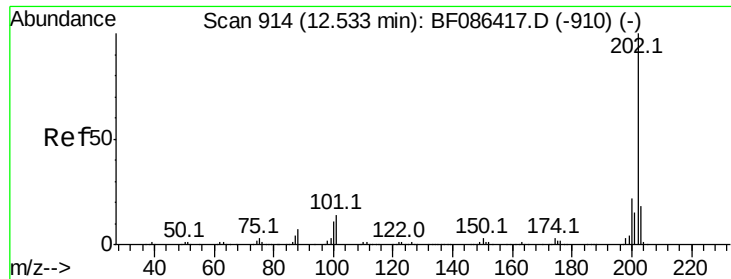
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#71
Anthracene
Concen: 2.59 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.7	12.7	19.1





#74

Fluoranthene

Concen: 18.74 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

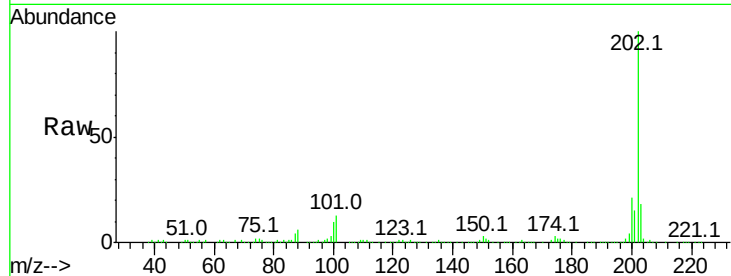
ClientSampleId :

TEC-COMP-B1B

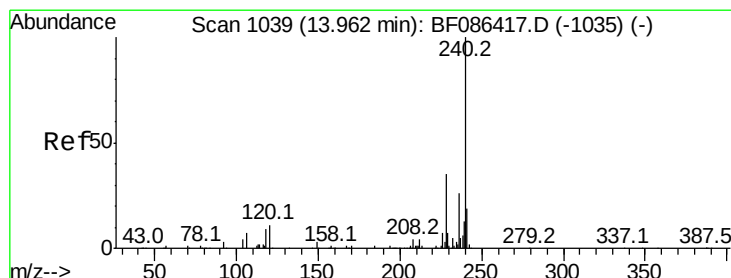
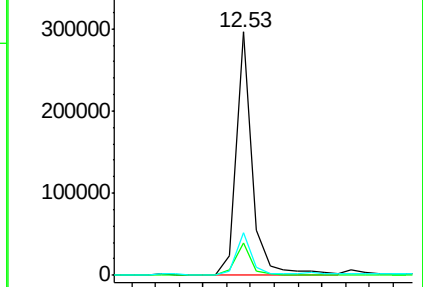
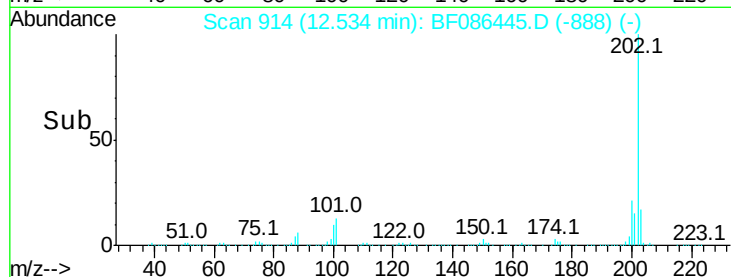
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	0.0	35.4
203	17.6	0.0	38.1

Manual Integrations
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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: 20.00 ng

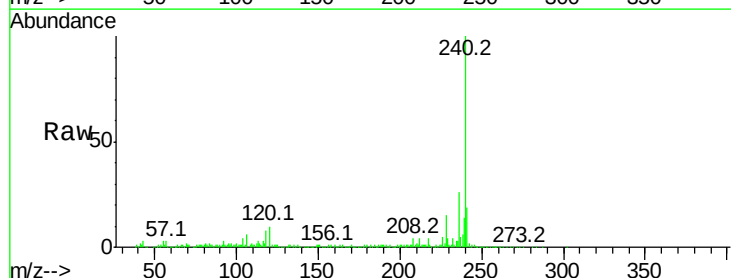
RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

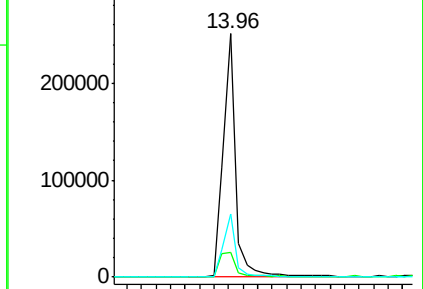
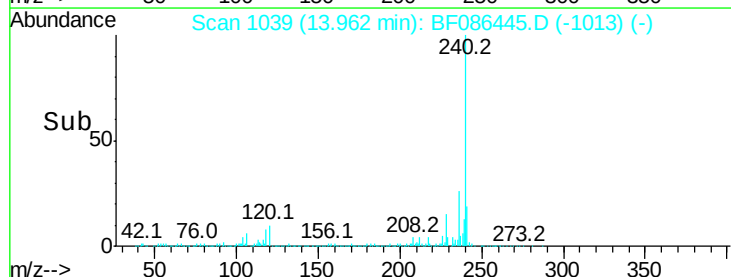
Lab File: BF086445.D

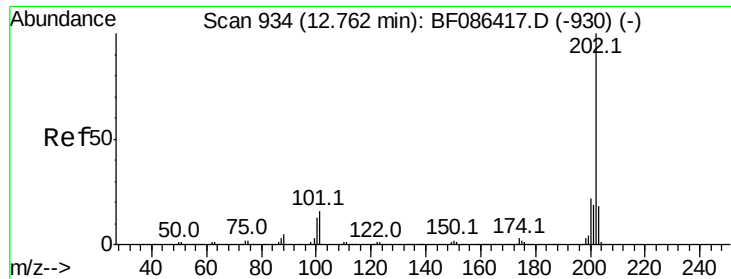
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	11.2	16.8#
236	25.9	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





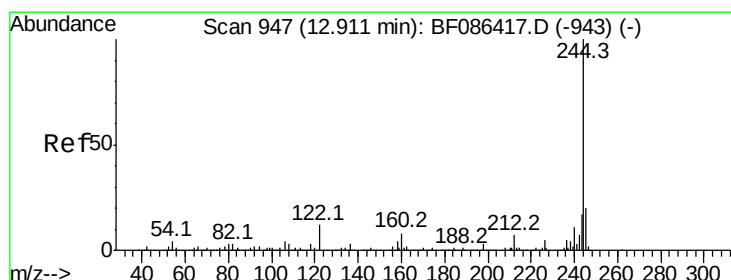
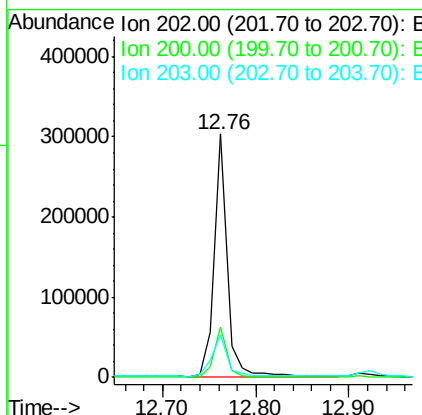
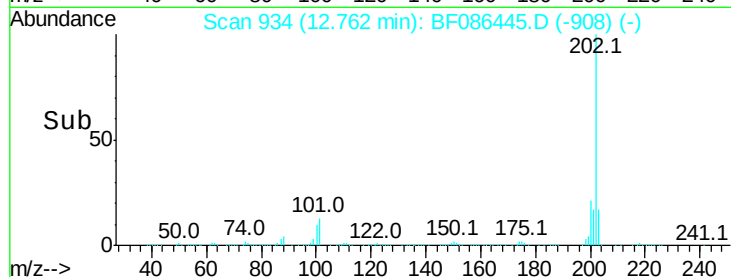
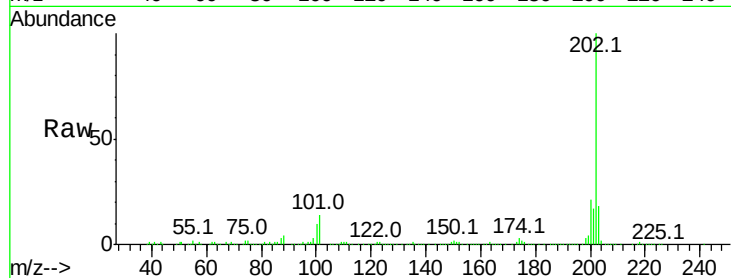
#77
Pvrene
Concen: 13.40 ng
RT: 12.76 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.7	14.2	21.4

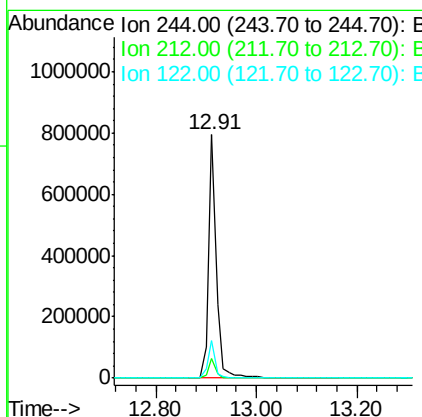
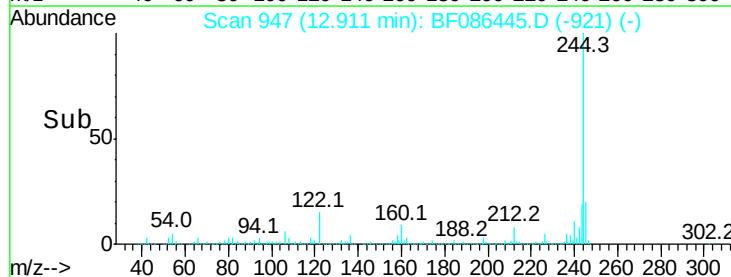
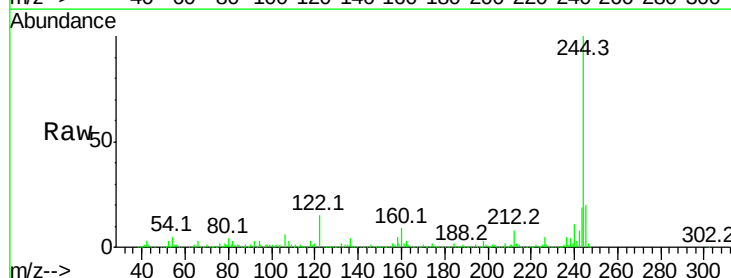
Manual Integrations
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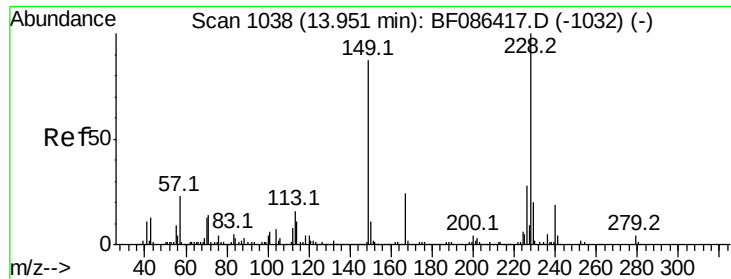
sohil
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#78
Terphenyl-d14
Concen: 62.11 ng
RT: 12.91 min Scan# 947
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	6.2	9.2
122	15.3	12.0	18.0





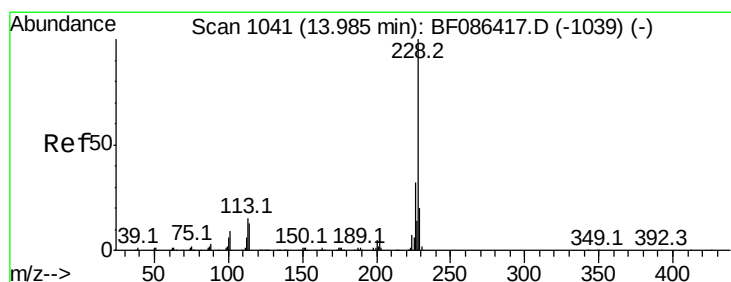
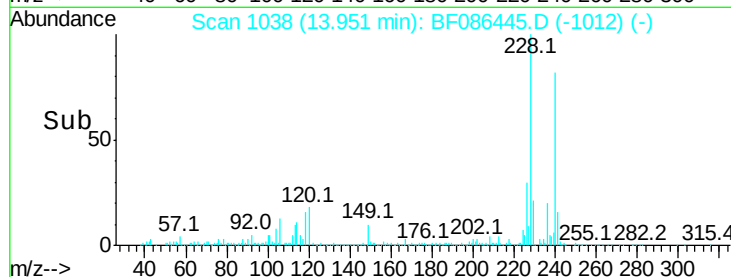
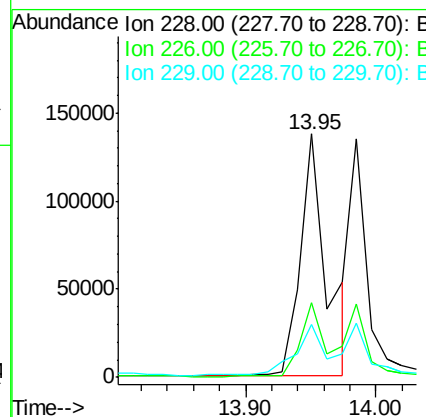
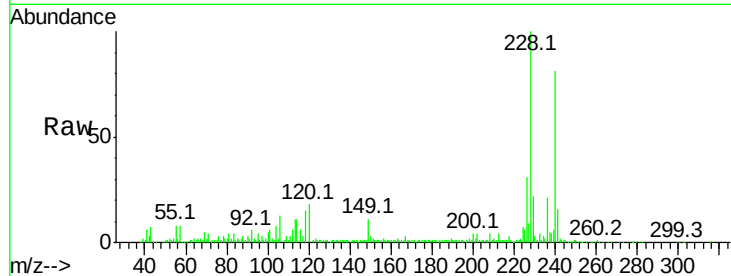
#80
Benzo(a)anthracene
Concen: 12.04 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

Tot Ion	Ratio	Resp	Lower	Upper
228	100	193845		
226	30.5		22.5	33.7
229	21.7		16.6	25.0

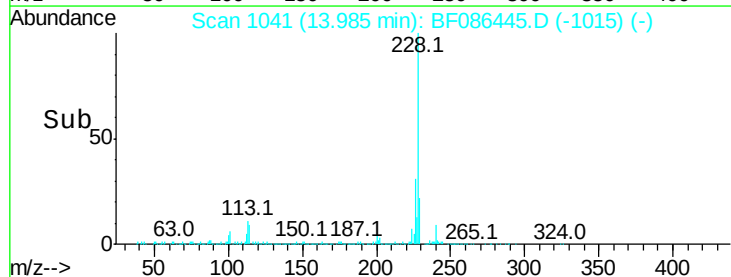
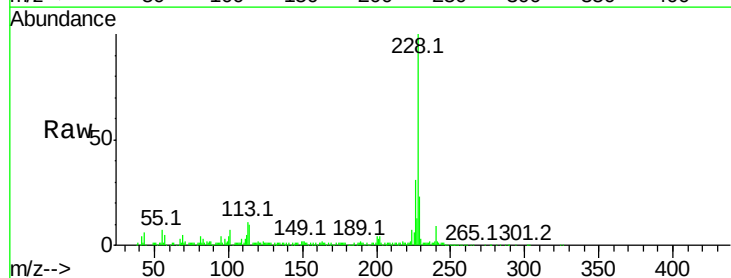
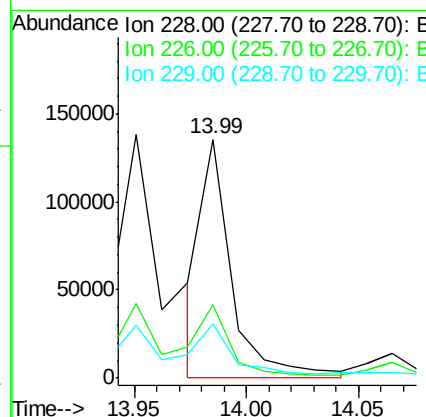
Manual Integrations
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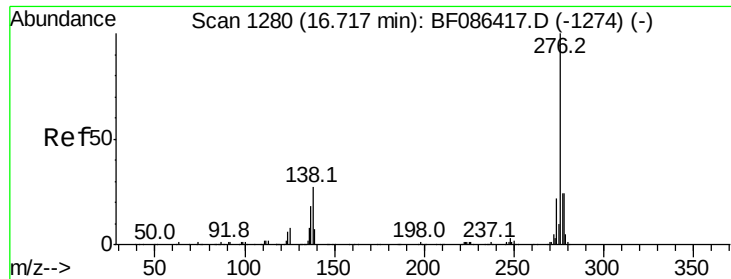
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#82
Chrysene
Concen: 7.36 ng m
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	128692		
226	31.0		24.4	36.6
229	22.7		15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.25 ng

RT: 16.73 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

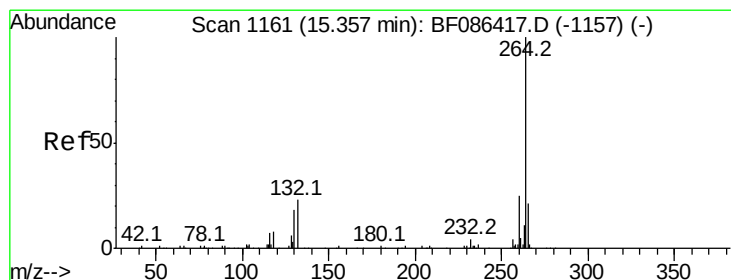
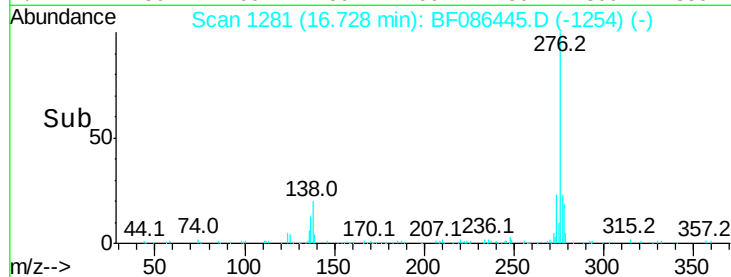
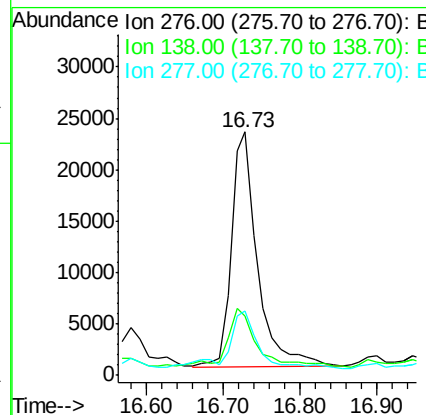
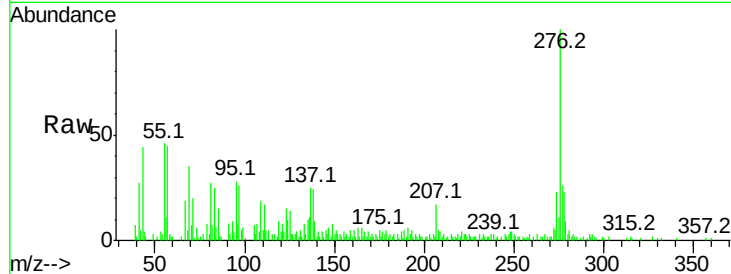
ClientSampleId :

TEC-COMP-B1B

Tot Ion:	276	Resp:	55056
Ion Ratio	Lower	Upper	
276	100		
138	28.8	25.6	38.4
277	29.8	20.5	30.7

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#86

Perylene-d12

Concen: 20.00 ng

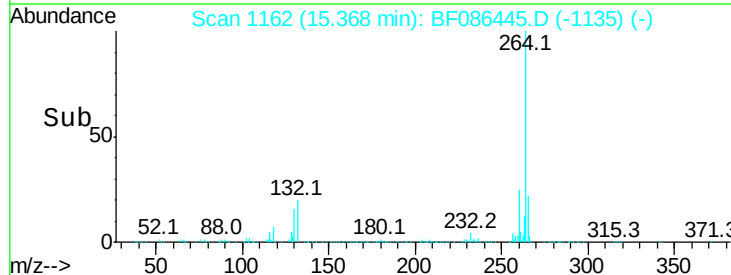
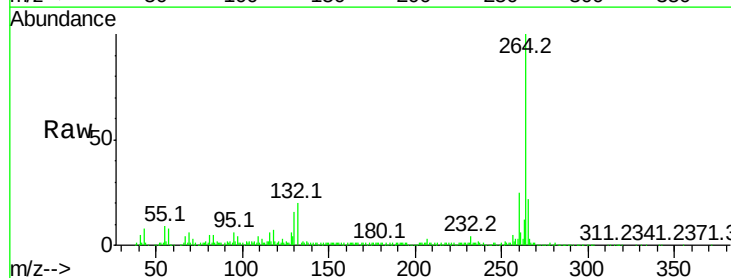
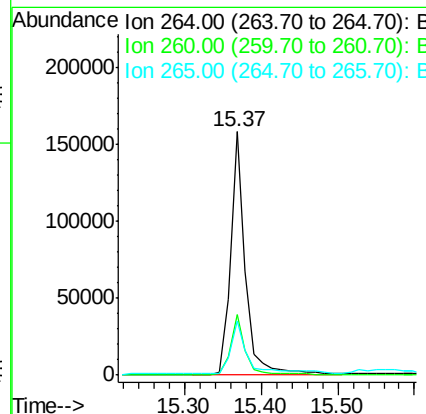
RT: 15.37 min Scan# 1162

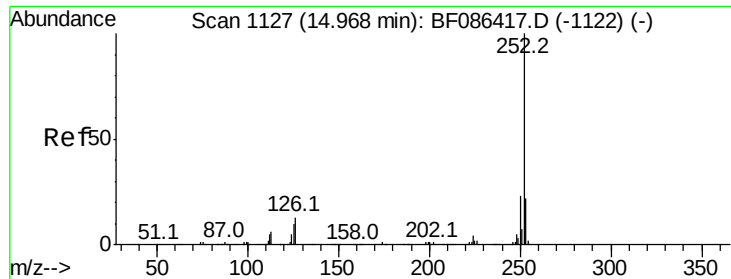
Delta R.T. 0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Tgt Ion:	264	Resp:	215532
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.5	29.3
265	22.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 12.18 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Instrument :

BNA_F

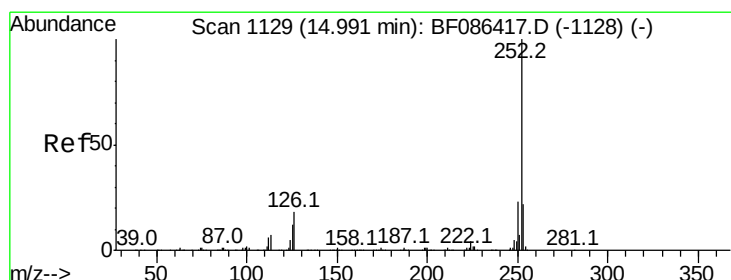
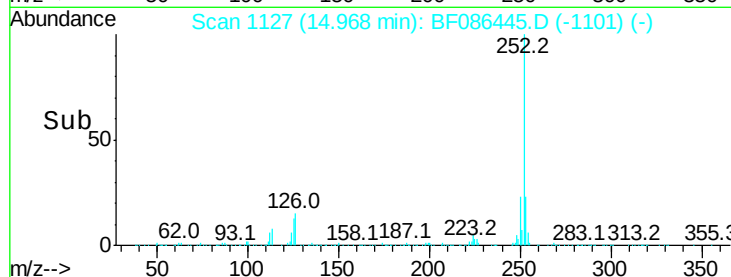
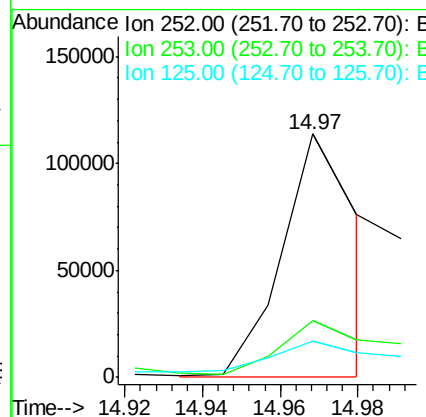
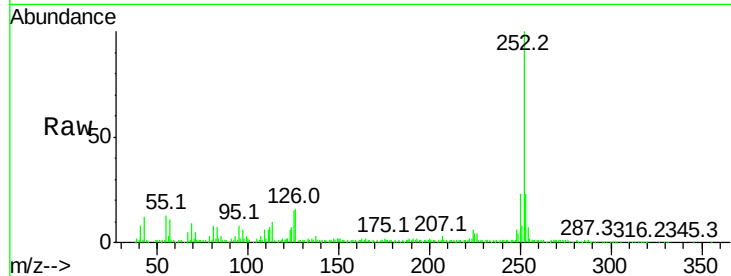
ClientSampleId :

TEC-COMP-B1B

Tot Ion:	252	Resp:	154408
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	14.8	11.4	17.0

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.08 ng m

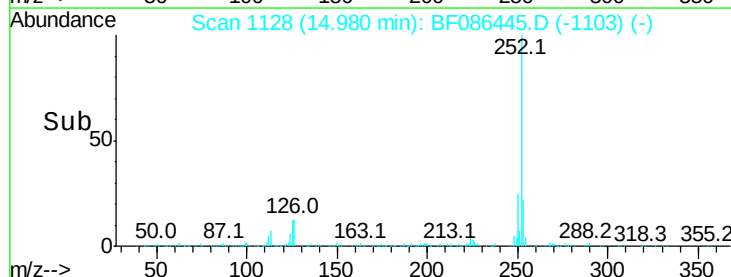
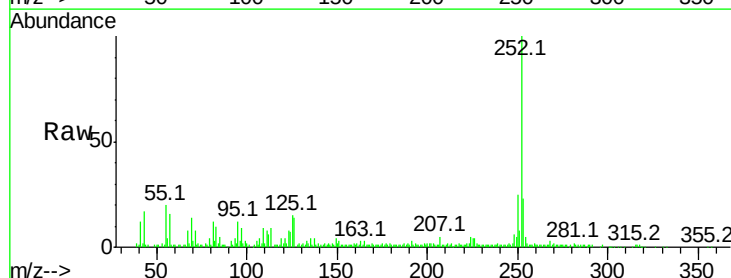
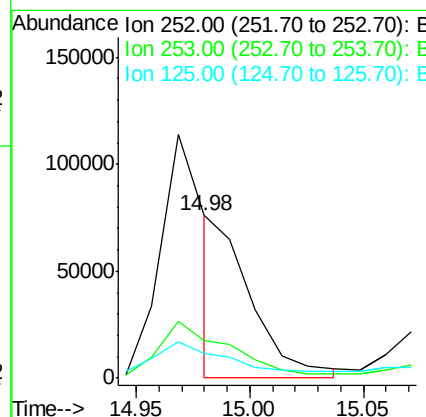
RT: 14.98 min Scan# 1128

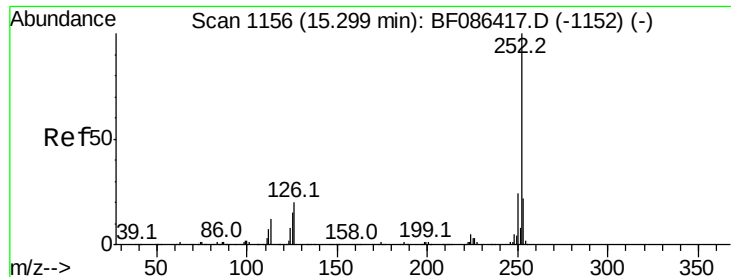
Delta R.T. -0.01 min

Lab File: BF086445.D

Acq: 28 Apr 2016 1:24

Tgt Ion:	252	Resp:	80432
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.6
125	15.3	9.1	13.7#





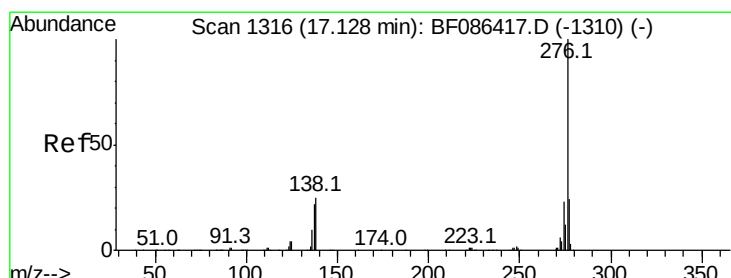
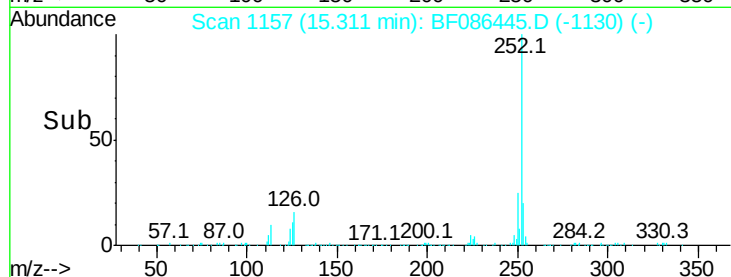
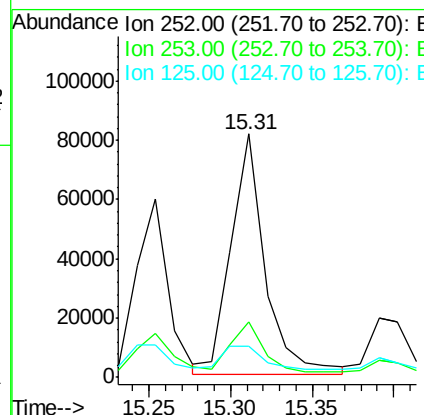
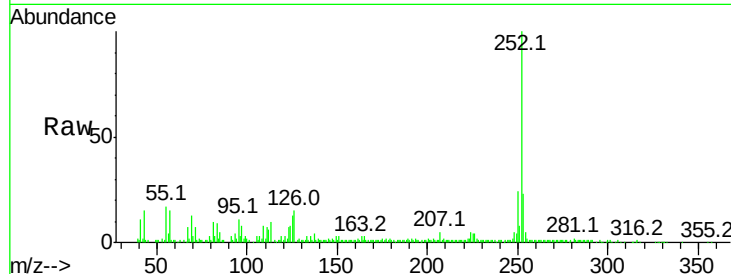
#89
Benzo(a)pyrene
Concen: 9.74 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B1B

Tot Ion	Ratio	Resp	Lower	Upper
252	100	116629		
253	23.0		17.2	25.8
125	12.9		9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 5.62 ng
RT: 17.13 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF086445.D
Acq: 28 Apr 2016 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	55187		
277	24.7		19.6	29.4
138	28.3		23.6	35.4

