

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
 Data File : BF080462.D
 Acq On : 14 Jul 2015 11:55
 Operator : TP/UM
 Sample : G2954-17 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

Manual Integrations
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Quant Time: Jul 14 13:15:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 11 05:35:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	17354	20.00	ng	-0.02
21) Naphthalene-d8	8.42	136	79029	20.00	ng	-0.01
38) Acenaphthene-d10	10.18	164	42346	20.00	ng	-0.01
63) Phenanthrene-d10	11.68	188	88368	20.00	ng	-0.01
75) Chrysene-d12	14.57	240	124082	20.00	ng	0.03
86) Perylene-d12	16.34	264	111107	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	20442	20.19	ng	-0.02
7) Phenol-d6	6.78	99	26961	19.98	ng	-0.01
23) Nitrobenzene-d5	7.70	82	16107	11.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.97	330	6634	16.05	ng	-0.02
44) 2-Fluorobiphenyl	9.49	172	40280	12.81	ng	-0.01
78) Terphenyl-d14	13.32	244	59885	10.48	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.70	178	39158	7.38	ng	100
71) Anthracene	11.75	178	15034	3.06	ng	98
74) Fluoranthene	12.93	202	103842	18.86	ng	100
77) Pyrene	13.19	202	102067	12.84	ng	99
80) Benzo(a)anthracene	14.56	228	66477	8.50	ng	97
82) Chrysene	14.60	228	47415	6.58	ng	96
85) Indeno(1,2,3-cd)pyrene	17.97	276	37874	4.23	ng	96
87) Benzo(b)fluoranthene	15.85	252	68113m	8.83	ng	
88) Benzo(k)fluoranthene	15.86	252	30165m	4.78	ng	
89) Benzo(a)pyrene	16.26	252	52891	7.82	ng	# 93
91) Benzo(g,h,i)perylene	18.48	276	35135	5.28	ng	98

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

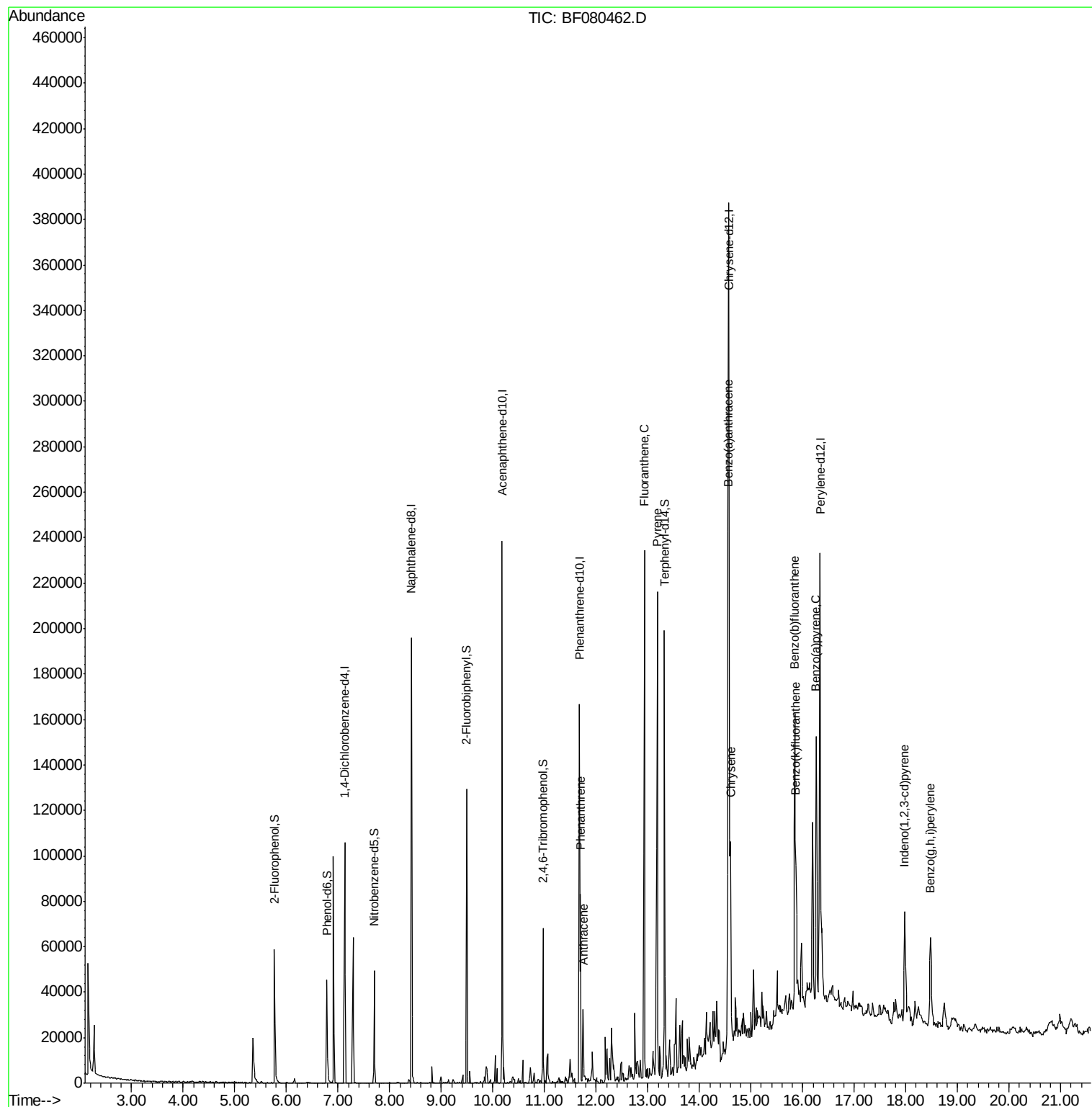
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080462.D
Acq On : 14 Jul 2015 11:55
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

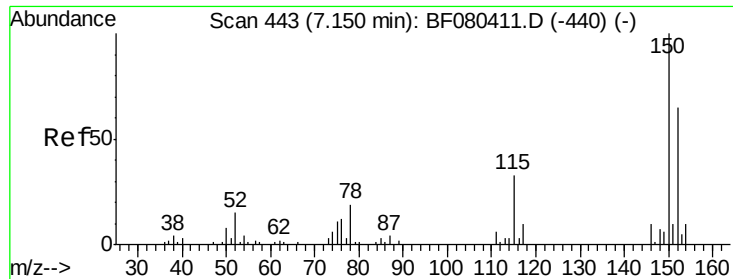
Instrument :
BNA_F
ClientSampleId :
TEC-B1

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Quant Time: Jul 14 13:15:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 11 05:35:30 2015
Response via : Initial Calibration





#1

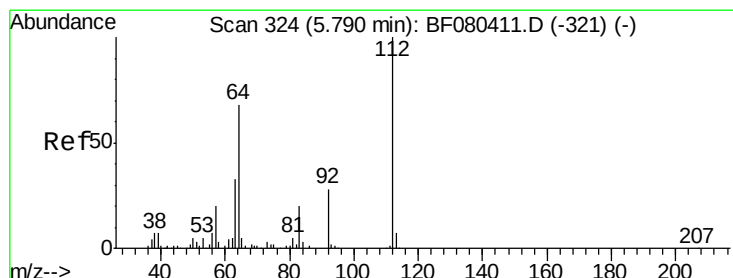
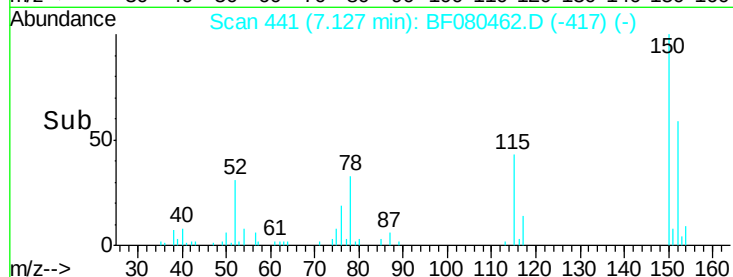
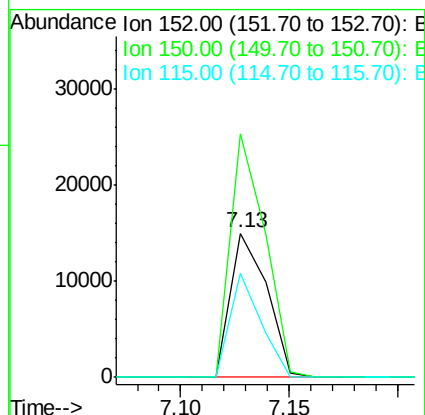
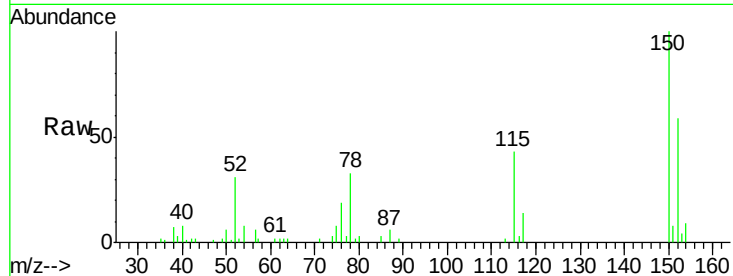
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampled :
TEC-B1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	169.3	122.3	183.5
115	72.8	41.0	61.4

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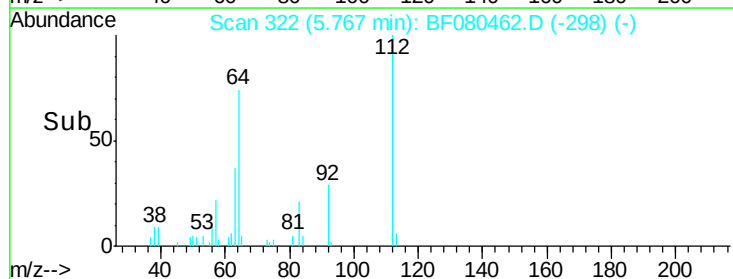
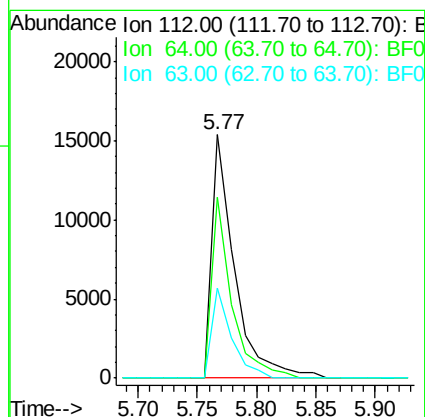
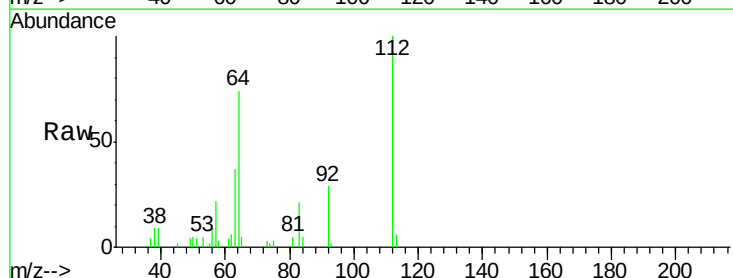
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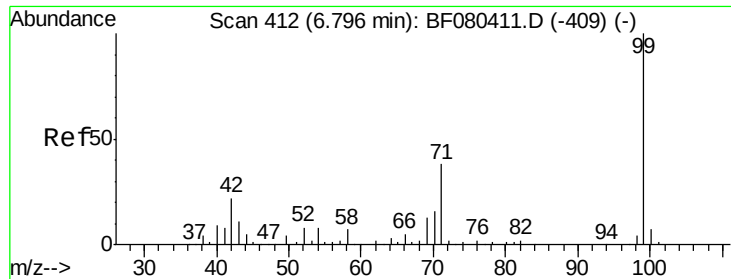


#5

2-Fluorophenol
Concen: 20.19 ng
RT: 5.77 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.3	54.3	81.5
63	37.2	26.7	40.1





#7

Phenol-d6

Concen: 19.98 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF080462.D

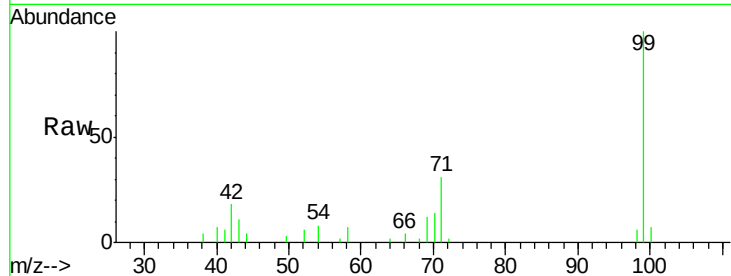
Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

ClientSampleId :

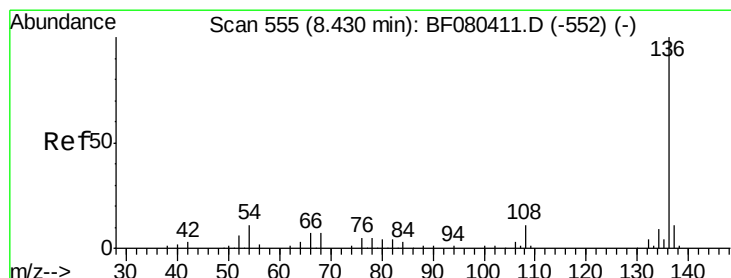
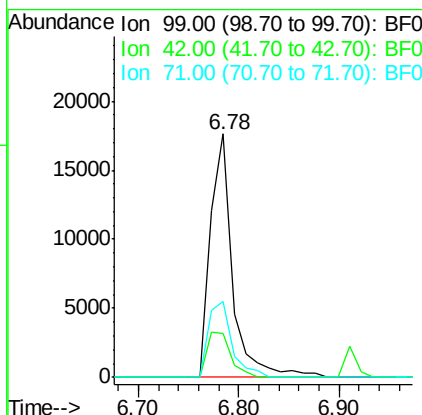
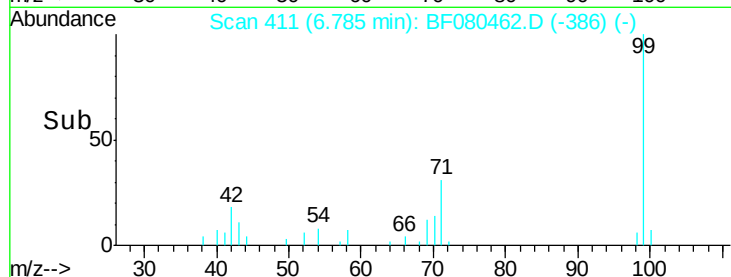
TEC-B1



Tgt Ion:	99	Resp:	26961
Ion Ratio	Lower	Upper	
99	100		
42	18.0	17.9	26.9
71	31.3	30.1	45.1

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#21

Naphthalene-d8

Concen: 20.00 ng

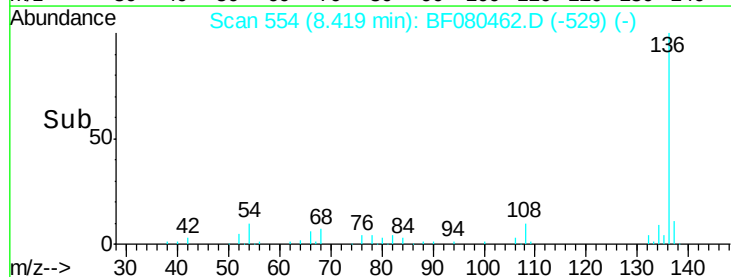
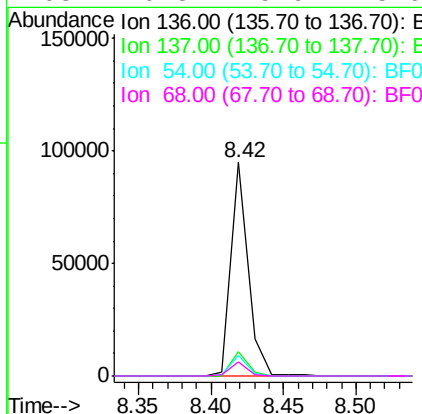
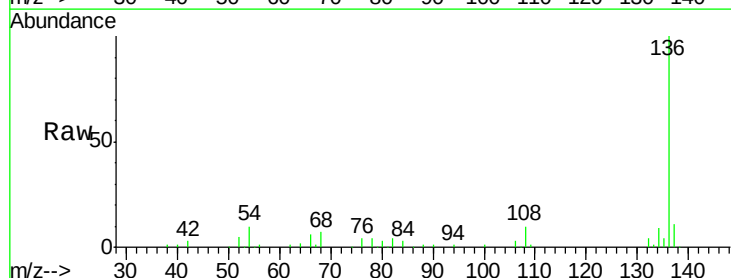
RT: 8.42 min Scan# 554

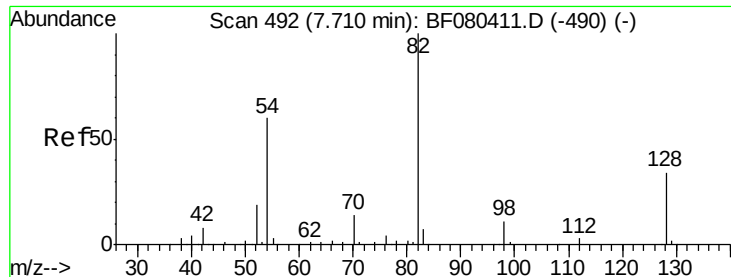
Delta R.T. -0.01 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Tgt Ion:	136	Resp:	79029
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	9.8	9.1	13.7
68	6.8	5.9	8.9





#23

Nitrobenzene-d5

Concen: 11.62 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

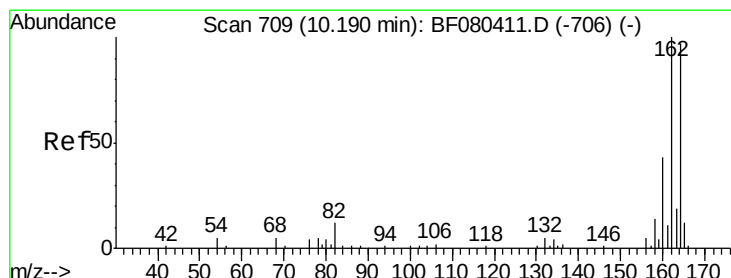
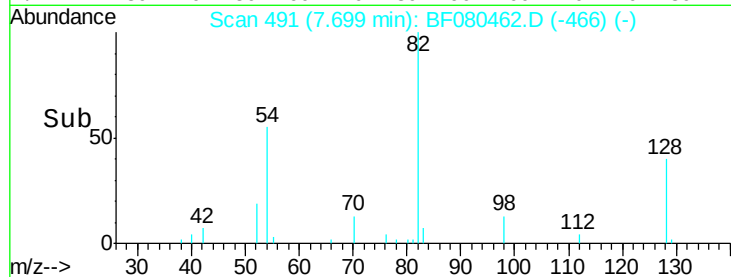
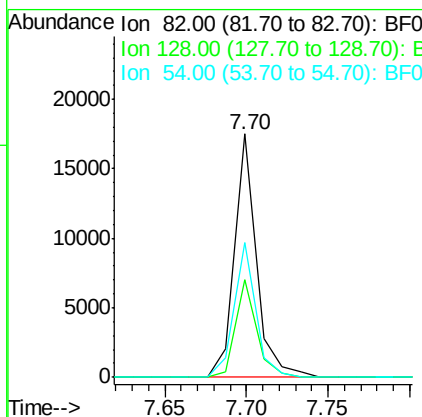
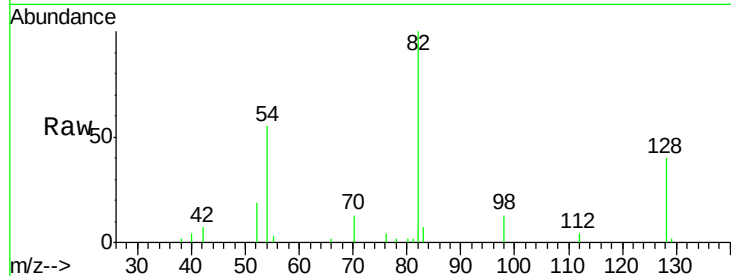
ClientSampled :

TEC-B1

Tgt Ion:	82	Resp:	16107
Ion Ratio	Lower	Upper	
82	100		
128	40.0	26.9	40.3
54	55.4	47.7	71.5

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#38

Acenaphthene-d10

Concen: 20.00 ng

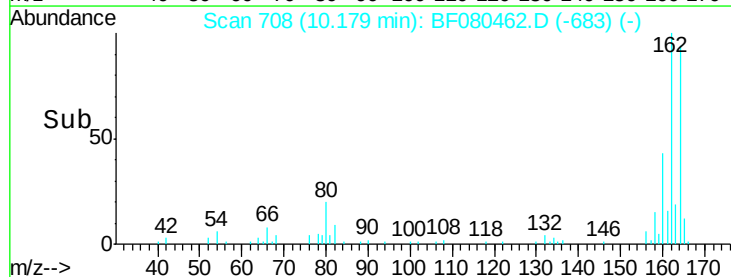
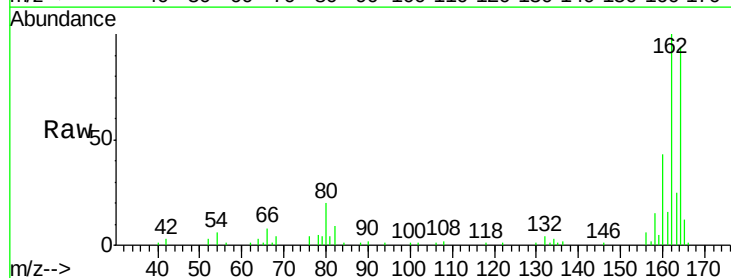
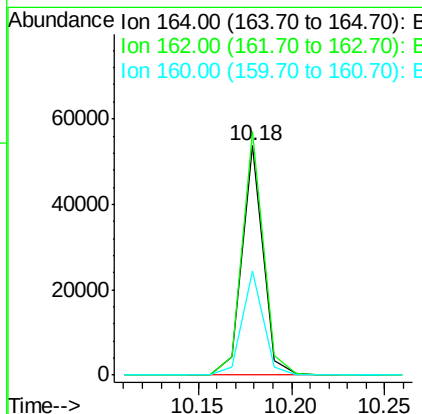
RT: 10.18 min Scan# 708

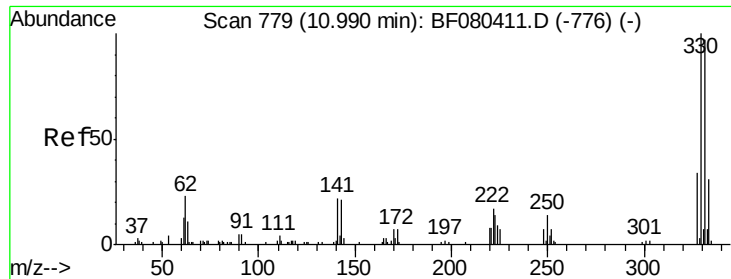
Delta R.T. -0.01 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Tgt Ion:	164	Resp:	42346
Ion Ratio	Lower	Upper	
164	100		
162	106.1	82.7	124.1
160	45.6	35.5	53.3





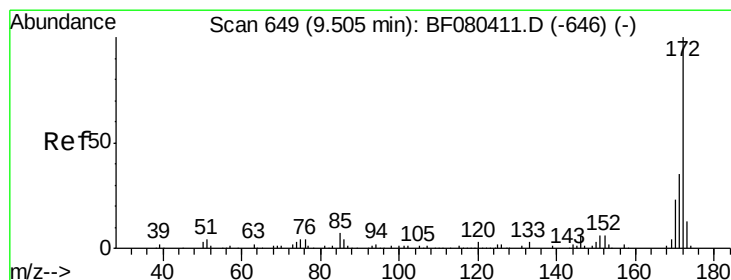
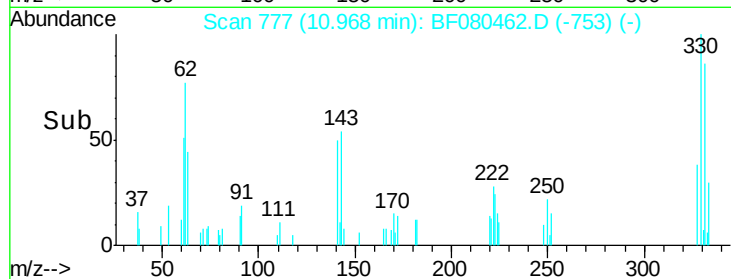
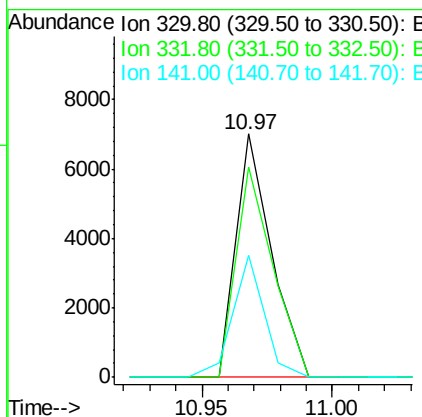
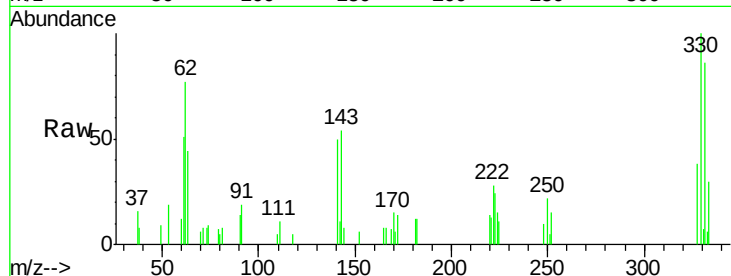
#41
 2,4,6-Tribromophenol
 Concen: 16.05 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Instrument :
 BNA_F
 ClientSampled :
 TEC-B1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	6634		
332	89.8		78.0	117.0
141	45.1		28.6	43.0#

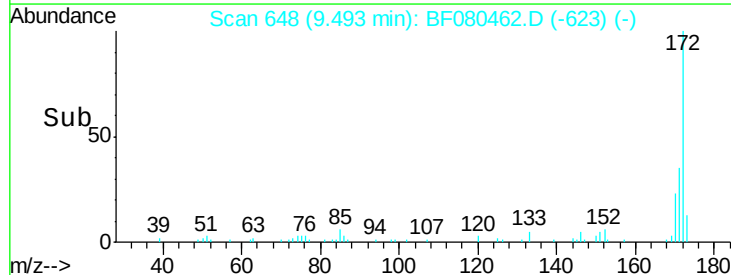
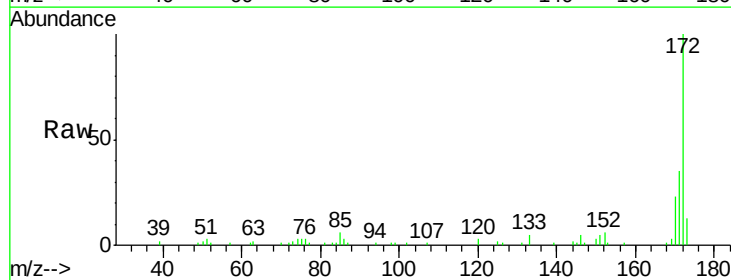
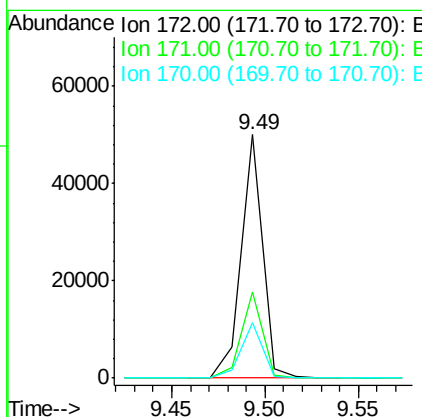
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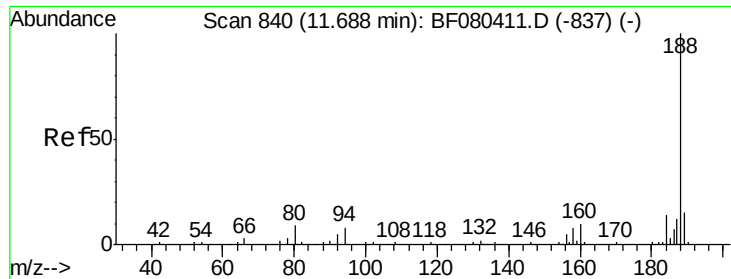
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#44
 2-Fluorobiphenyl
 Concen: 12.81 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	40280		
171	35.2		28.4	42.6
170	22.8		18.6	28.0





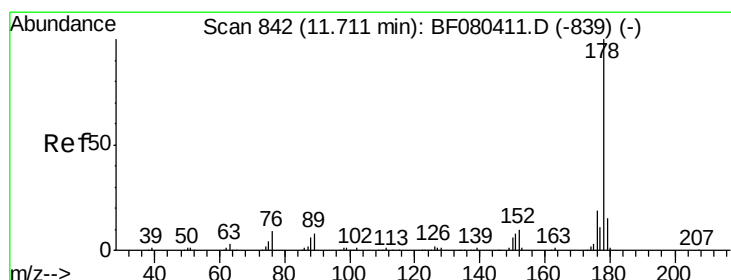
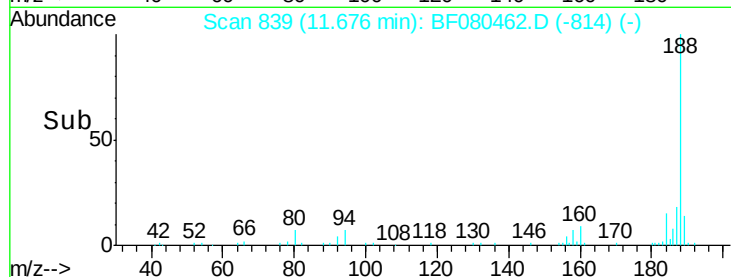
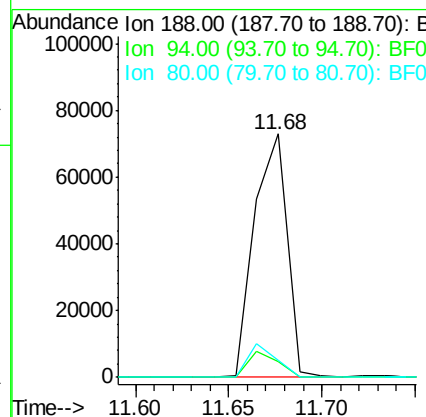
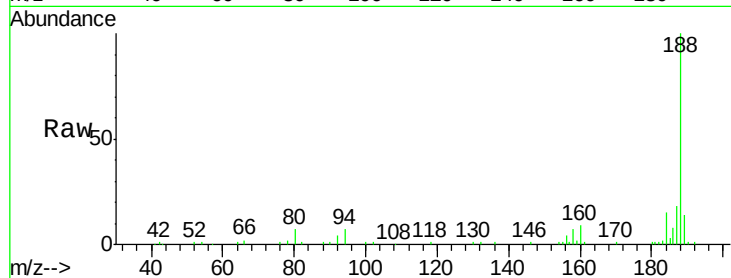
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.68 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampleId :
TEC-B1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.7	6.7	10.1#
80	7.0	7.5	11.3#

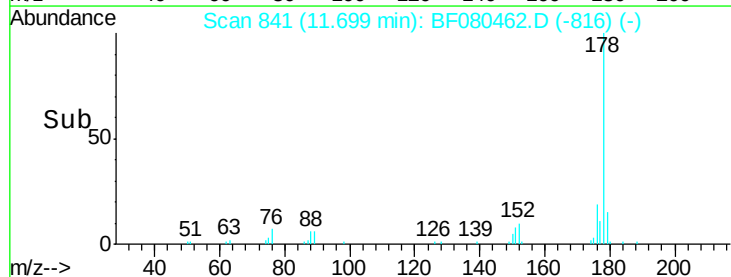
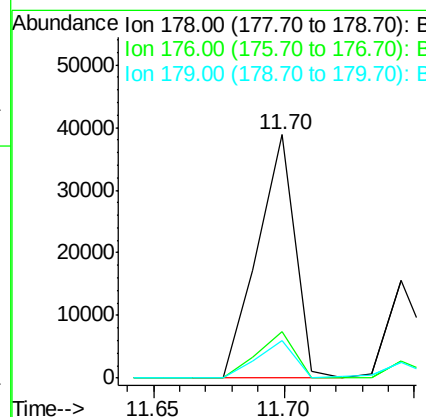
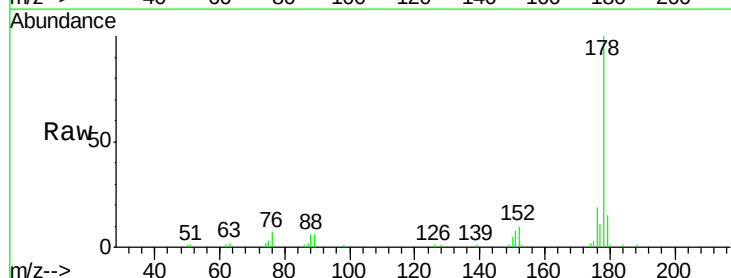
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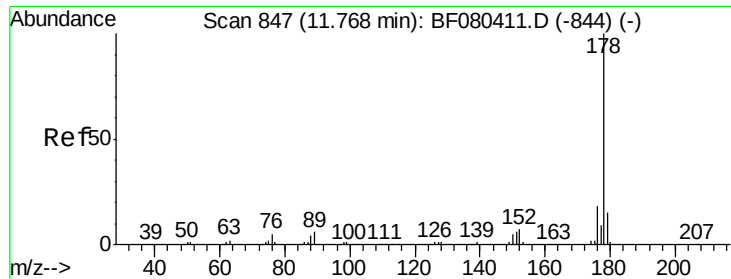
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#70
Phenanthrene
Concen: 7.38 ng
RT: 11.70 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	15.2	22.8
179	15.5	12.4	18.6





#71

Anthracene

Concen: 3.06 ng

RT: 11.75 min Scan# 845

Delta R.T. -0.02 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

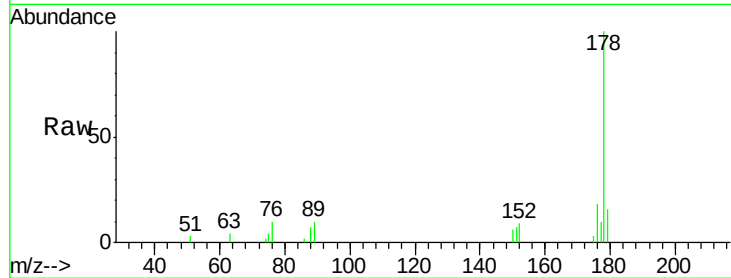
ClientSampleId :

TEC-B1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.2	21.4
179	15.8	11.6	17.4

Manual Integrations
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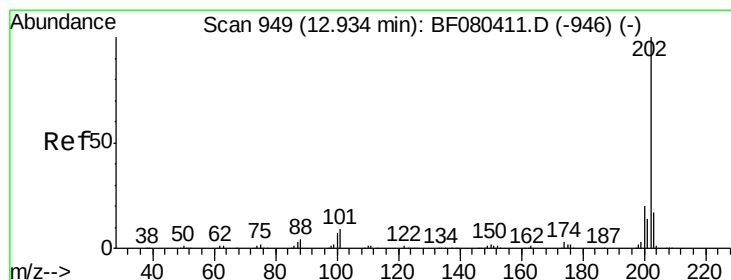
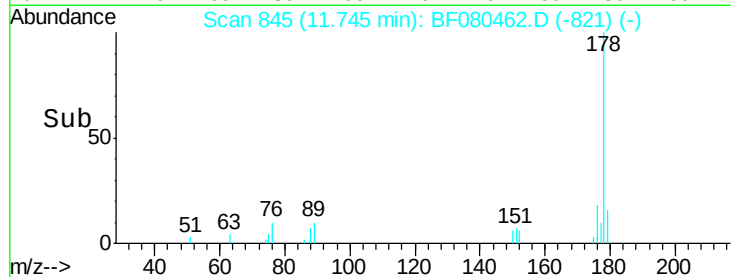
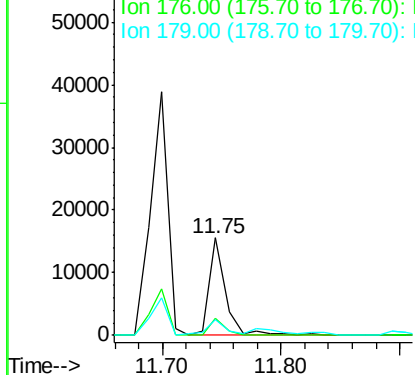
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 18.86 ng

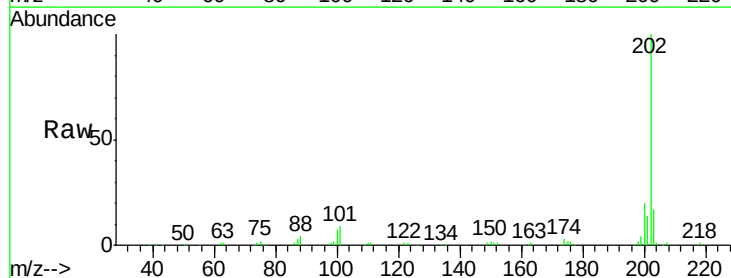
RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

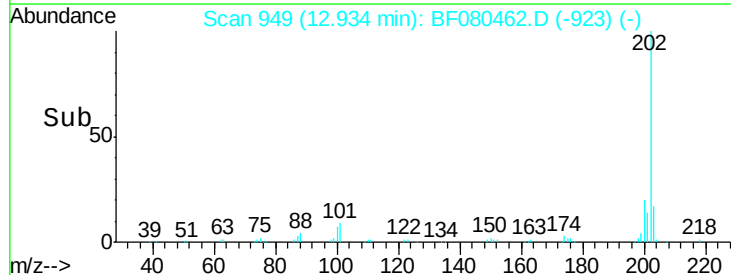
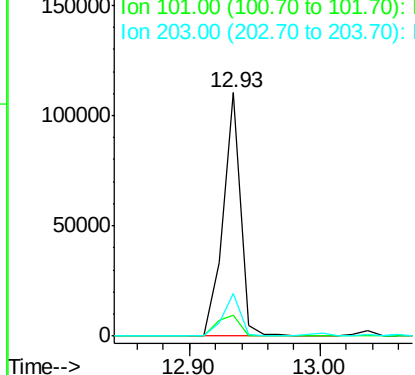
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.8
203	17.3	0.0	37.3

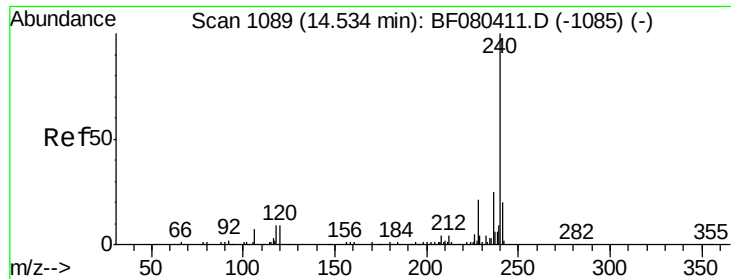


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.57 min Scan# 1092

Delta R.T. 0.03 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

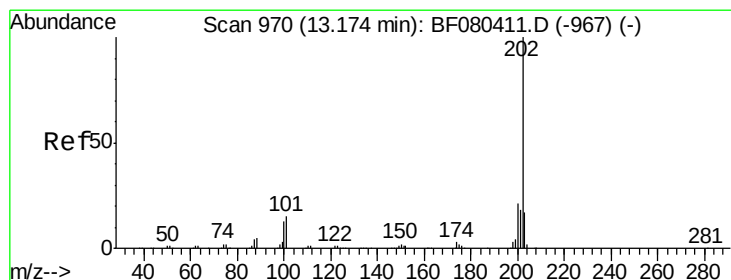
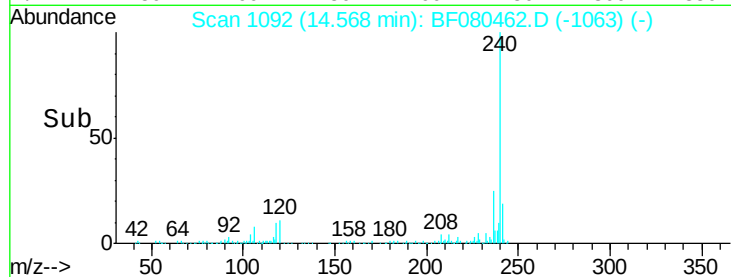
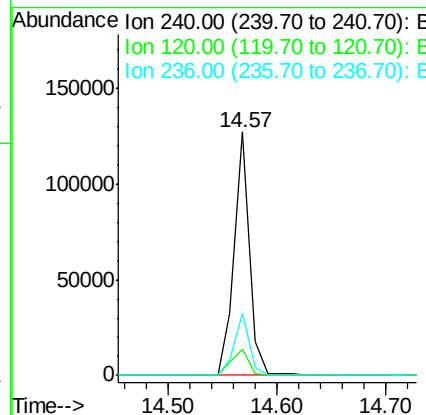
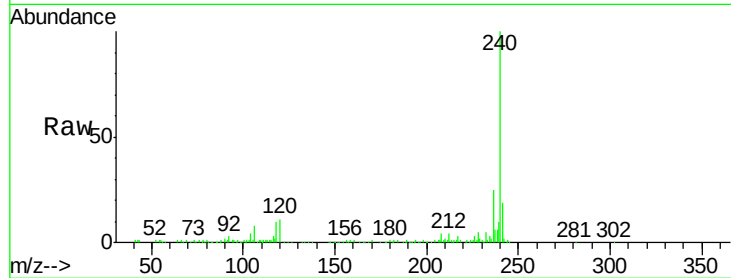
ClientSampleId :

TEC-B1

Tgt	Ion	240	Resp:	124082
Ion	Ratio	Lower	Upper	
240	100			
120	10.6	7.4	11.2	
236	25.3	19.7	29.5	

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#77

Pyrene

Concen: 12.84 ng

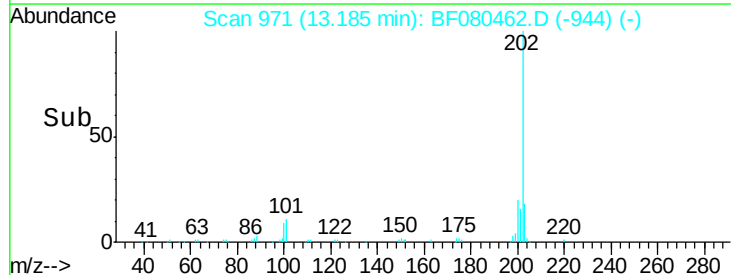
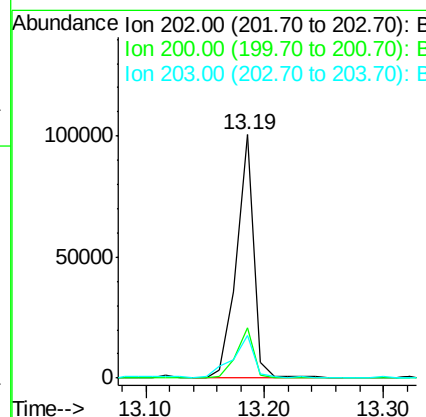
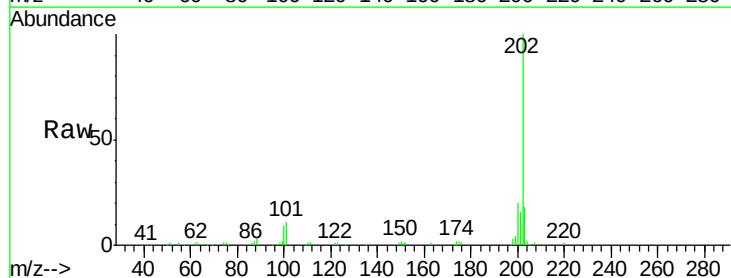
RT: 13.19 min Scan# 971

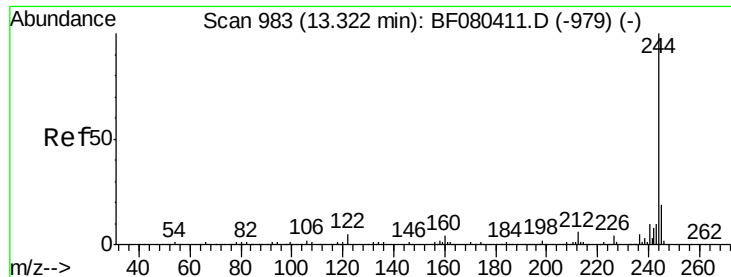
Delta R.T. 0.01 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Tgt	Ion	202	Resp:	102067
Ion	Ratio	Lower	Upper	
202	100			
200	20.5	17.0	25.6	
203	17.6	13.8	20.8	





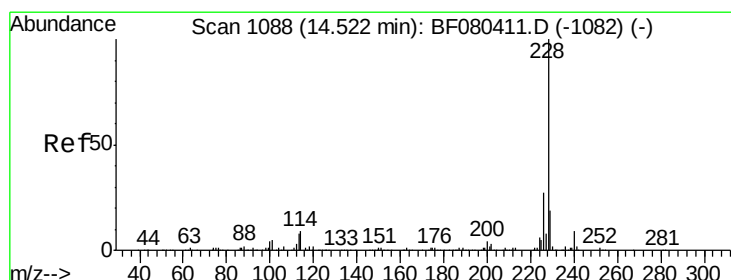
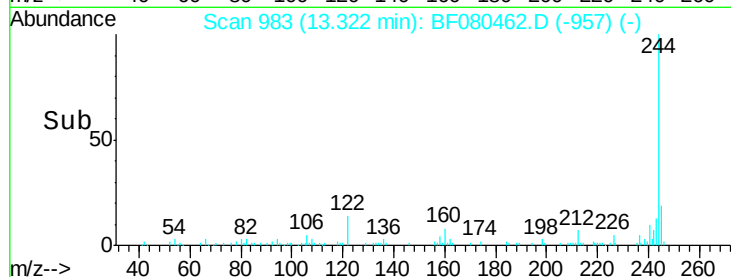
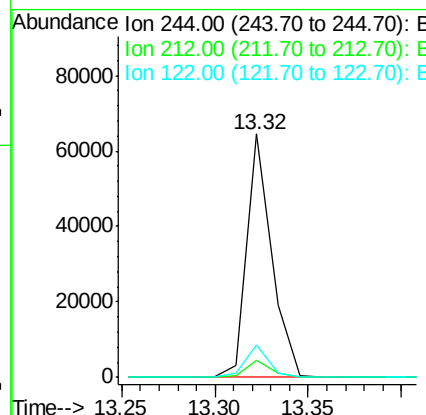
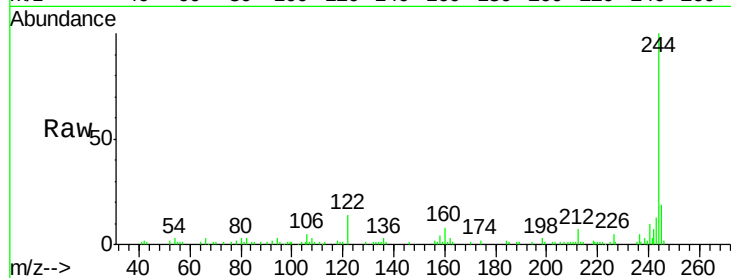
#78
 Terphenyl-d14
 Concen: 10.48 ng
 RT: 13.32 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.9	4.9	7.3
122	13.6	4.1	6.1#

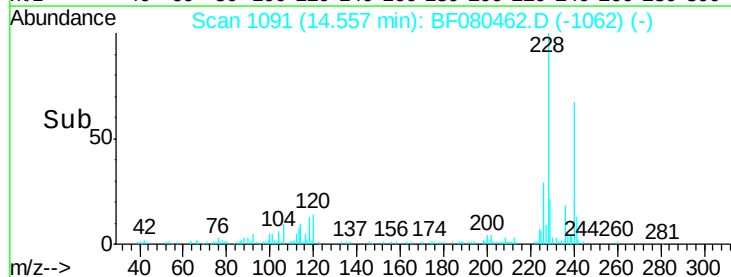
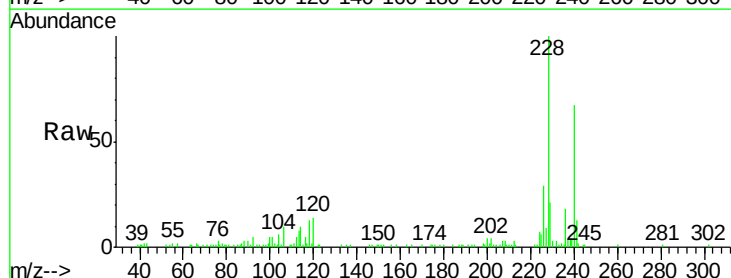
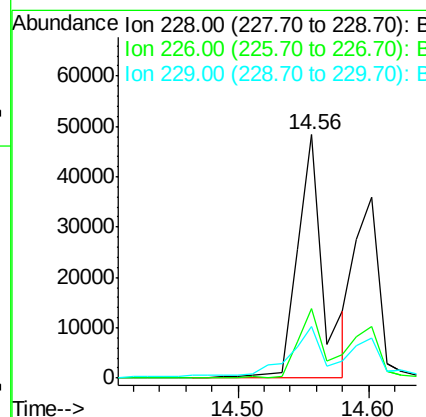
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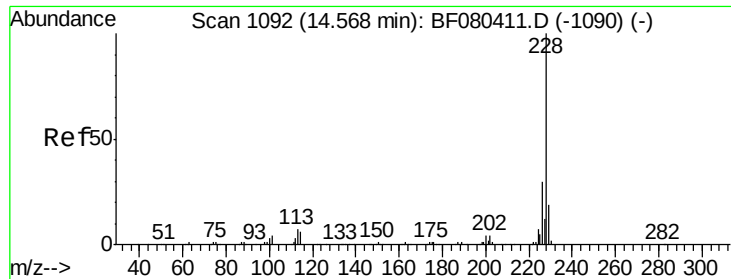
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#80
 Benzo(a)anthracene
 Concen: 8.50 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. 0.03 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.6	21.7	32.5
229	21.2	15.5	23.3





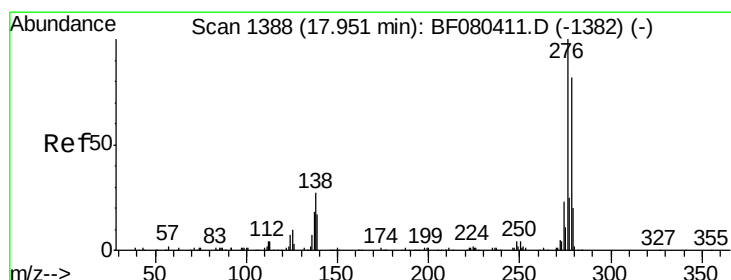
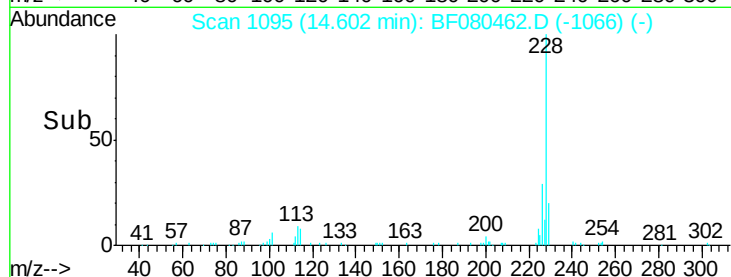
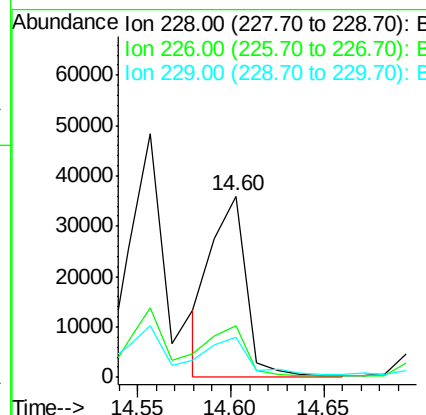
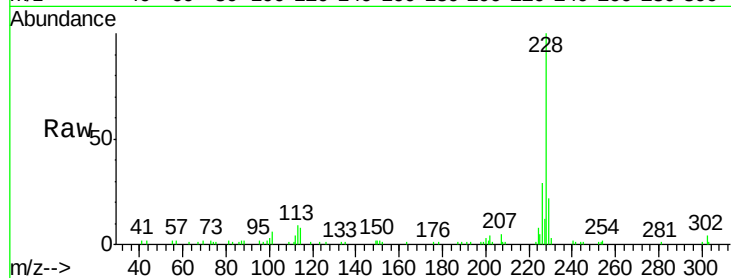
#82
Chrysene
Concen: 6.58 ng
RT: 14.60 min Scan# 1095
Delta R.T. 0.03 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampleId :
TEC-B1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.3	36.5
229	21.9	15.5	23.3

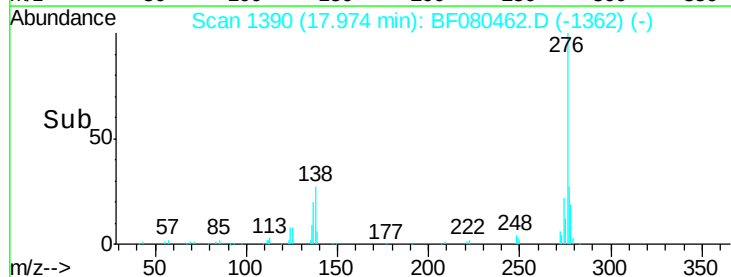
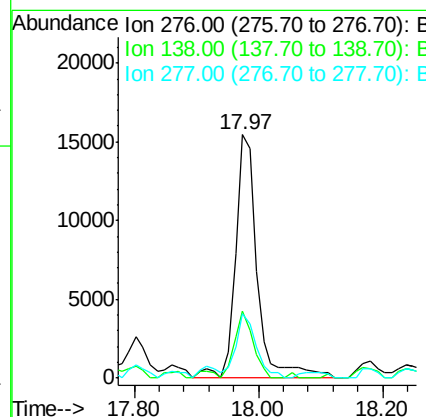
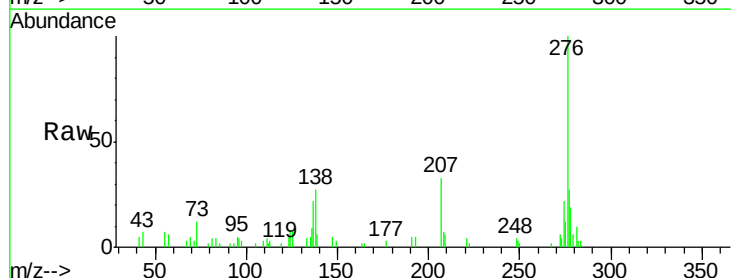
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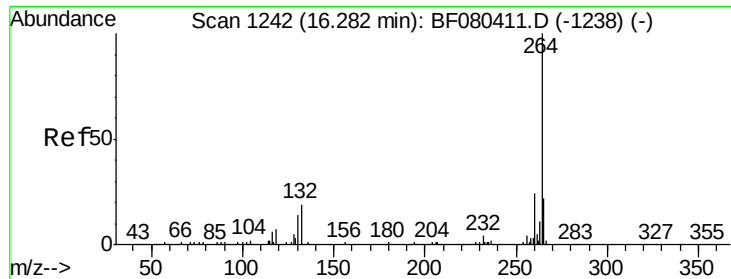
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.23 ng
RT: 17.97 min Scan# 1390
Delta R.T. 0.02 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	21.4	32.0
277	24.8	19.5	29.3





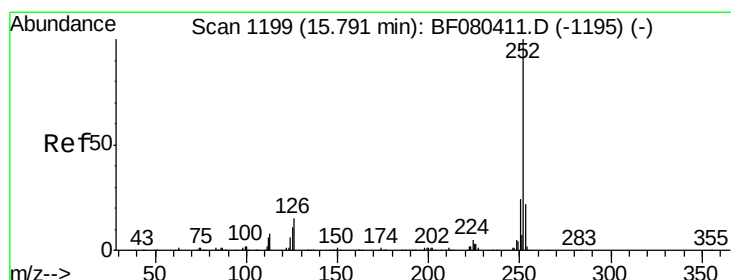
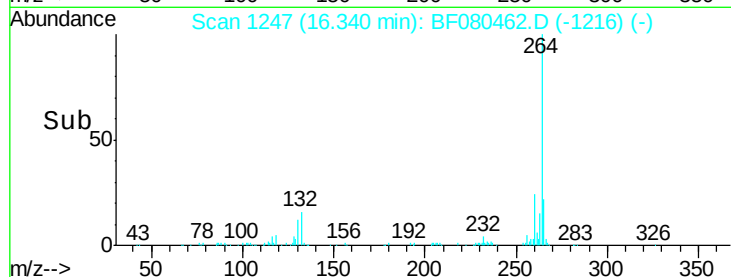
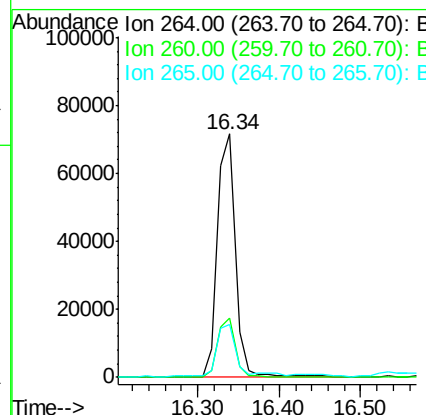
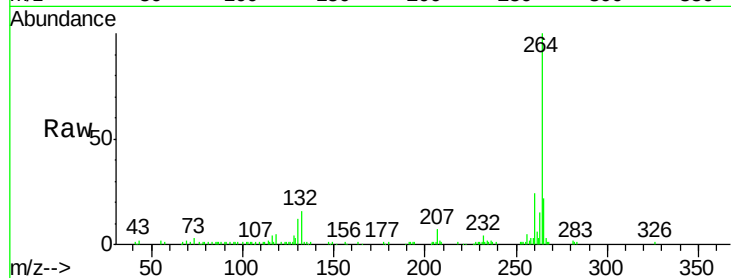
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 1247
Delta R.T. 0.06 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampleId :
TEC-B1

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	111107		
260	24.4	19.4	29.2	
265	21.6	17.8	26.8	

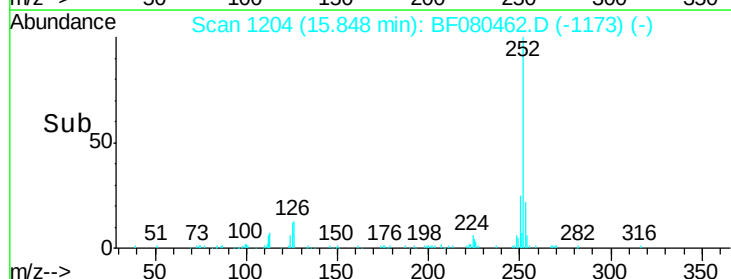
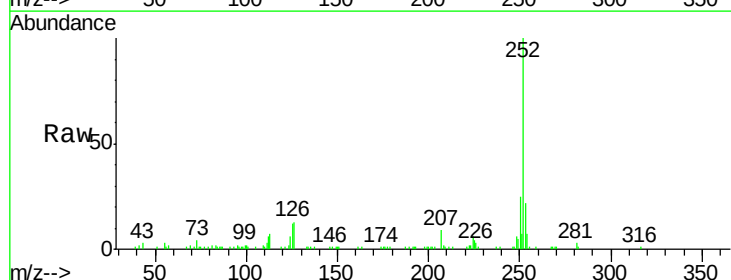
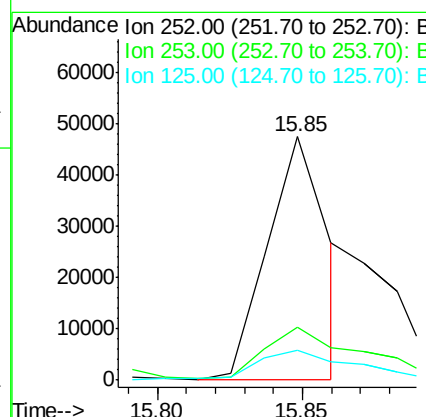
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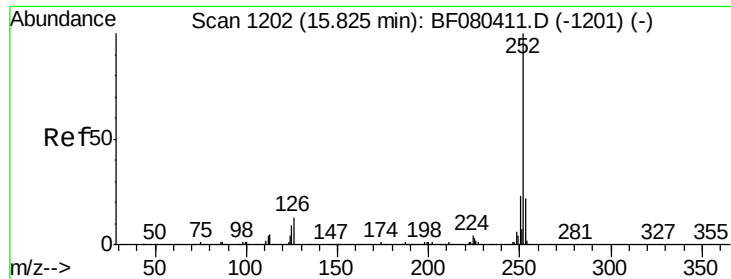
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#87
Benzo(b)fluoranthene
Concen: 8.83 ng m
RT: 15.85 min Scan# 1204
Delta R.T. 0.06 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	68113		
253	21.9	17.8	26.8	
125	12.3	8.6	12.8	





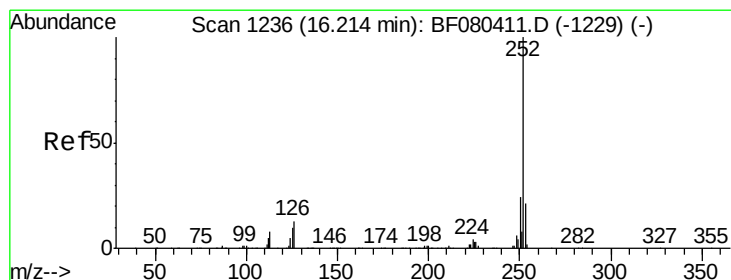
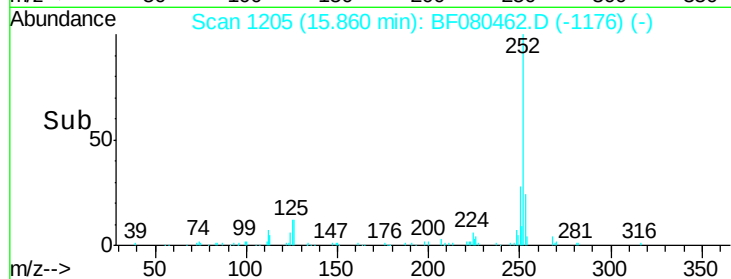
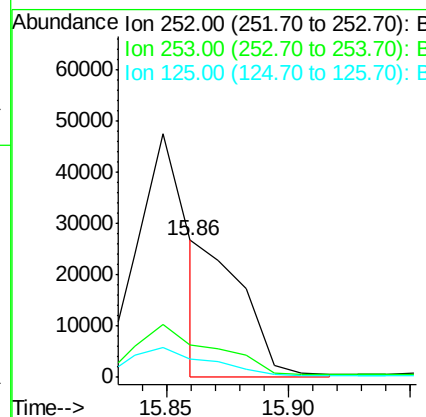
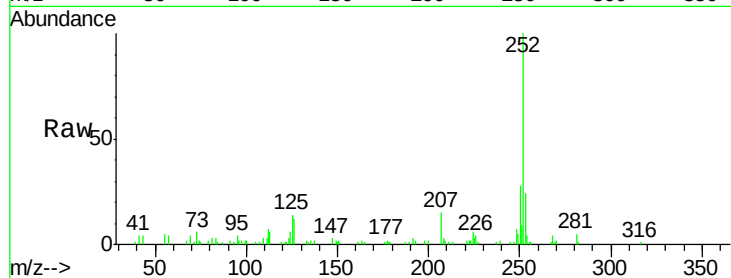
#88
Benzo(k)fluoranthene
Concen: 4.78 ng m
RT: 15.86 min Scan# 1205
Delta R.T. 0.03 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampleId :
TEC-B1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	13.7	8.4	12.6#

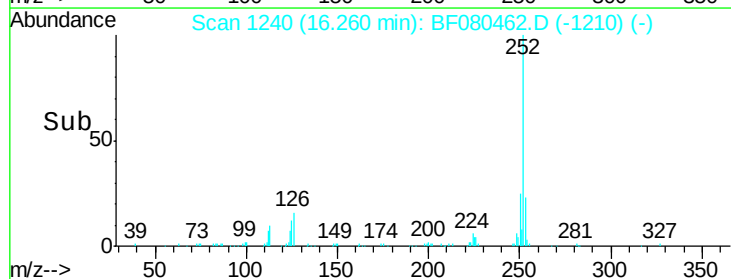
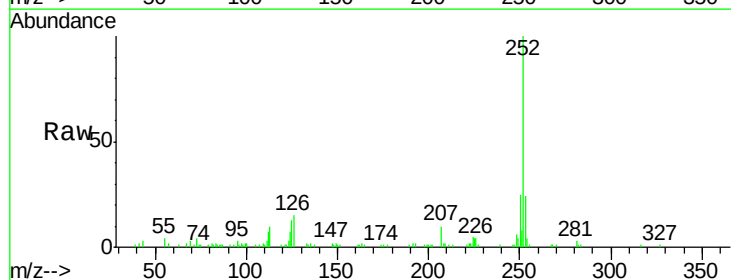
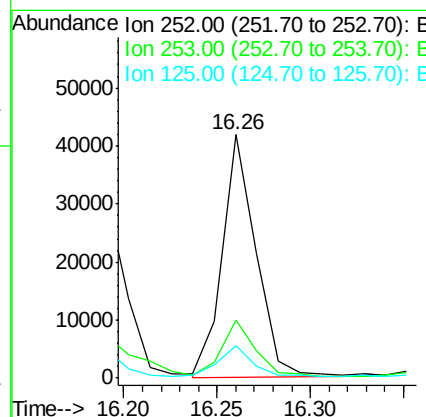
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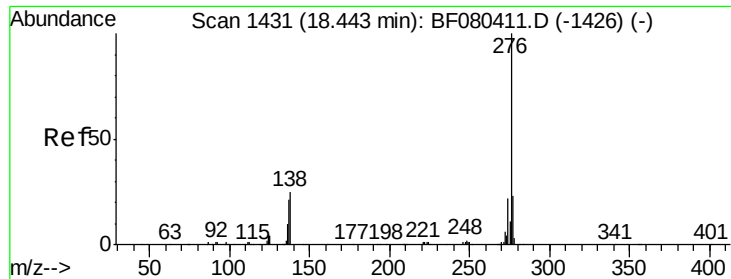
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#89
Benzo(a)pyrene
Concen: 7.82 ng
RT: 16.26 min Scan# 1240
Delta R.T. 0.05 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	13.1	8.1	12.1#





#91
 Benzo(g,h,i)perylene
 Concen: 5.28 ng
 RT: 18.48 min Scan# 1434
 Delta R.T. 0.03 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.2	27.4
138	25.0	20.3	30.5

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