

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087134.D
 Acq On : 18 May 2016 6:39
 Operator : UM/SJ
 Sample : H3038-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

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Quant Time: May 18 07:40:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	156308	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	601318	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	257064	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	397351	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	297187	20.00	ng	-0.02
86) Perylene-d12	15.10	264	330343	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1114658	119.86	ng	-0.01
7) Phenol-d6	6.26	99	1302860	104.46	ng	-0.02
23) Nitrobenzene-d5	7.16	82	841168	69.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	288396	101.52	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1242852	80.07	ng	-0.02
78) Terphenyl-d14	12.70	244	927660	70.61	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.36	163	159655	8.14	ng	99
70) Phenanthrene	11.13	178	191133	8.87	ng	99
71) Anthracene	11.18	178	45979	2.11	ng	96
74) Fluoranthene	12.32	202	276007	12.78	ng	98
77) Pyrene	12.55	202	242073	11.28	ng	99
80) Benzo(a)anthracene	13.73	228	83448	4.86	ng	97
82) Chrysene	13.76	228	88669	5.33	ng	96
83) Bis(2-ethylhexyl)phthalate	13.74	149	168382	15.27	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.34	276	50111m	3.43	ng	
87) Benzo(b)fluoranthene	14.73	252	118885m	5.42	ng	
88) Benzo(k)fluoranthene	14.74	252	58399m	3.58	ng	
89) Benzo(a)pyrene	15.05	252	70032	3.82	ng	# 76
91) Benzo(a,h,i)perylene	16.72	276	50328	3.23	ng	94

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

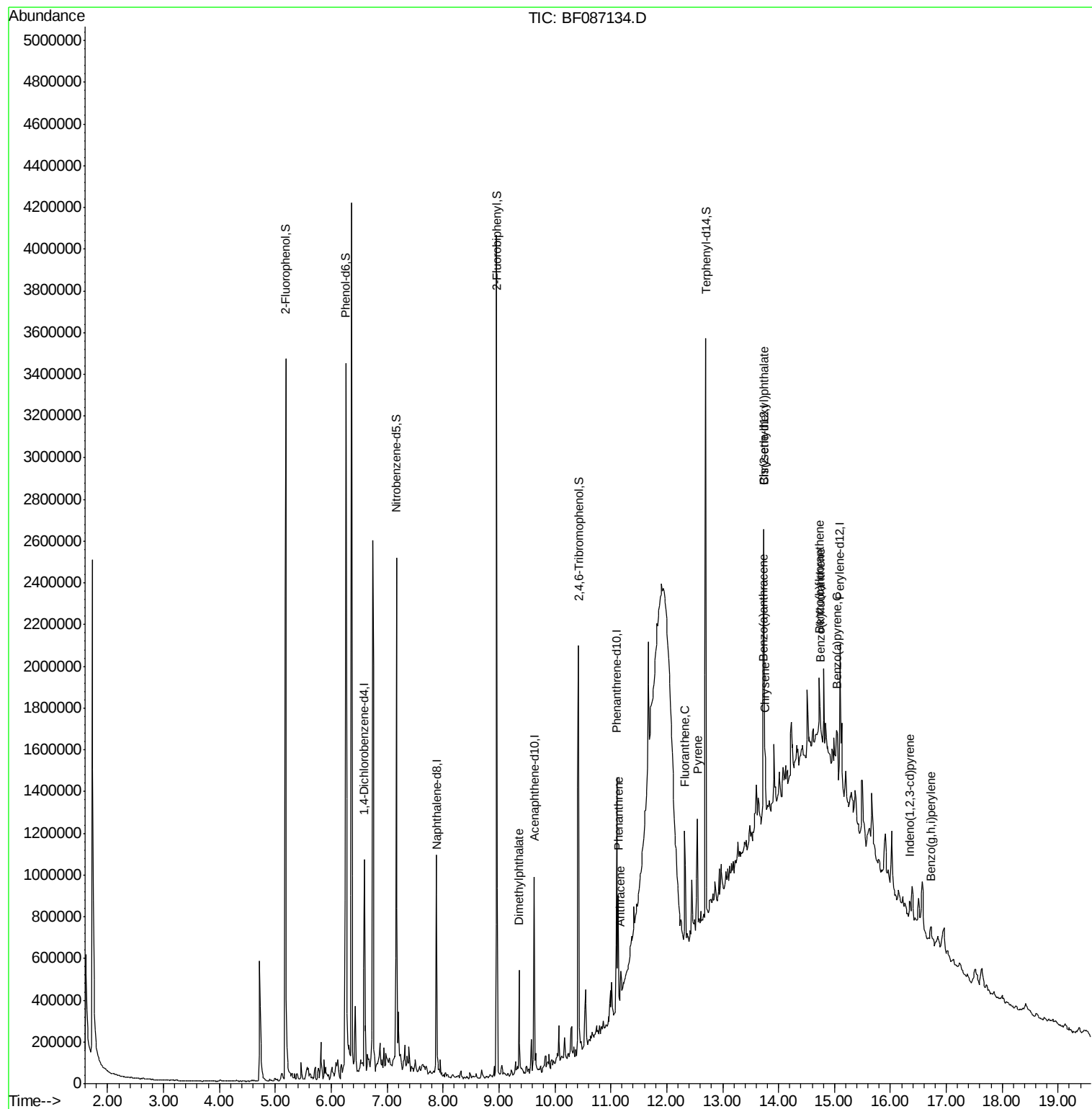
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087134.D
Acq On : 18 May 2016 6:39
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Misc :
ALS Vial : 36 Sample Multiplier: 1

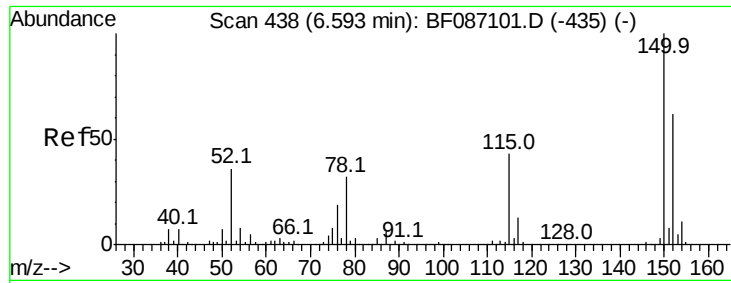
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Quant Time: May 18 07:40:58 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

Tot Ion:152 Resp: 156308

Ion Ratio Lower Upper

152 100

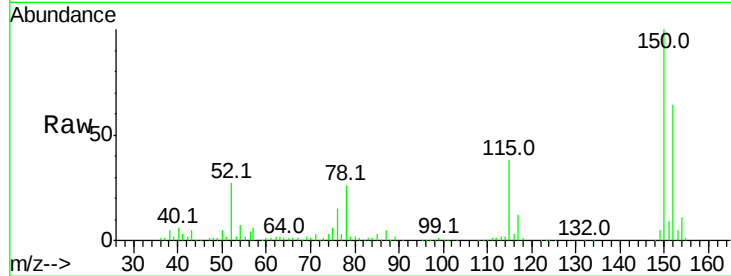
150 156.0 125.8 188.6

115 58.8 51.5 77.3

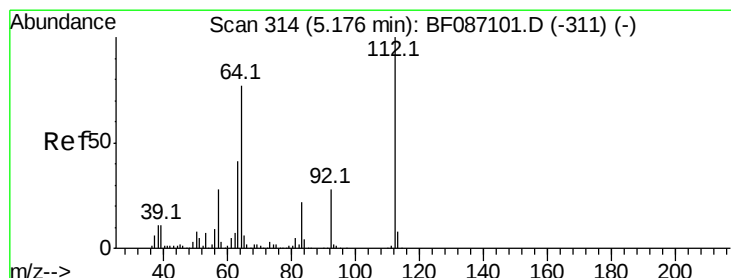
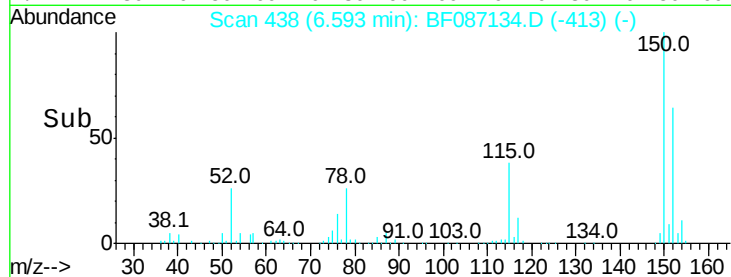
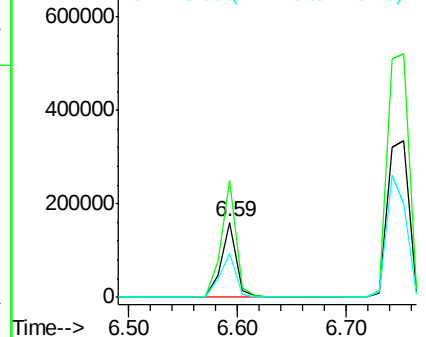
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 119.86 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

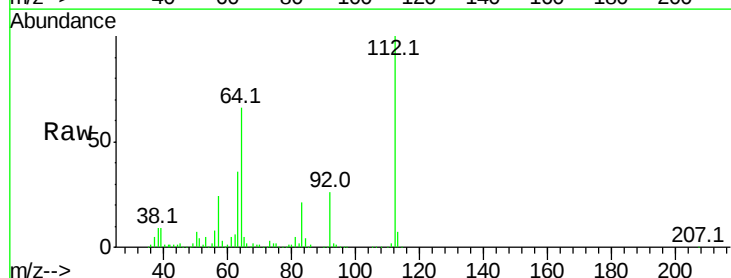
Tgt Ion:112 Resp: 1114658

Ion Ratio Lower Upper

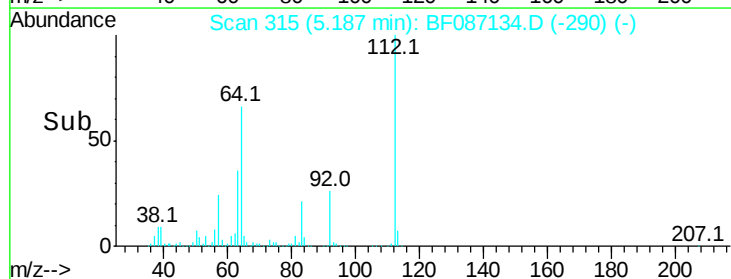
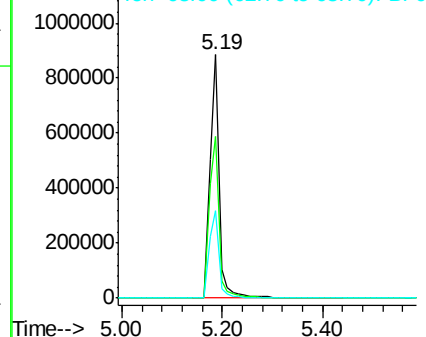
112 100

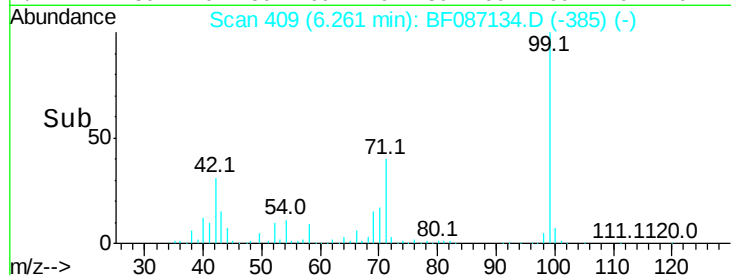
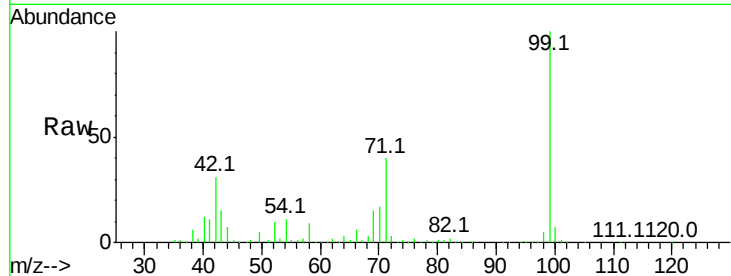
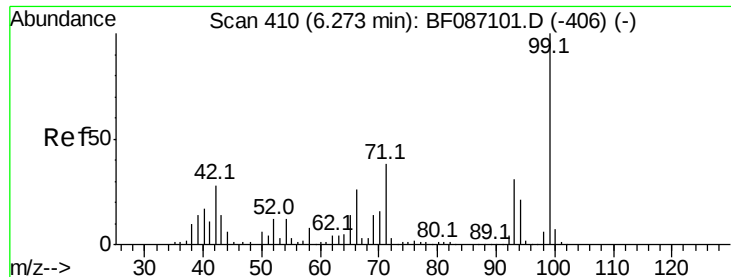
64 66.3 52.1 78.1

63 35.9 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: 104.46 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Tot Ion: 99 Resp: 1302860

Ion Ratio Lower Upper

99 100

42 30.7 13.6 20.4#

71 39.8 24.6 36.8#

Instrument :

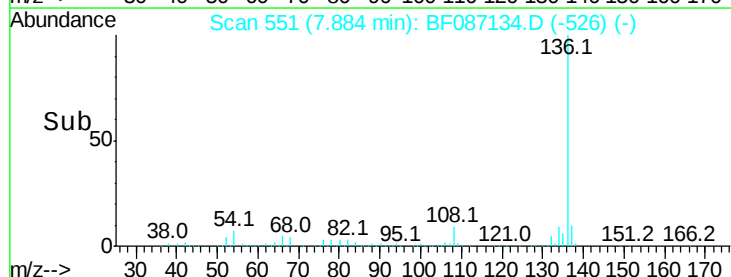
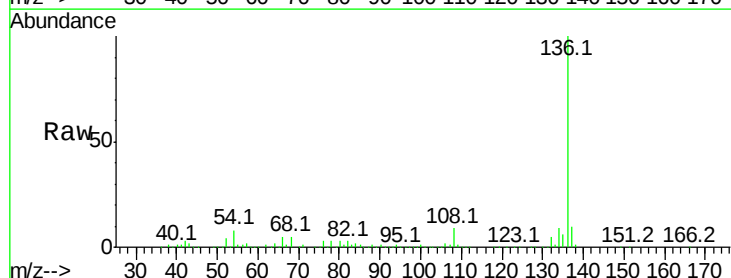
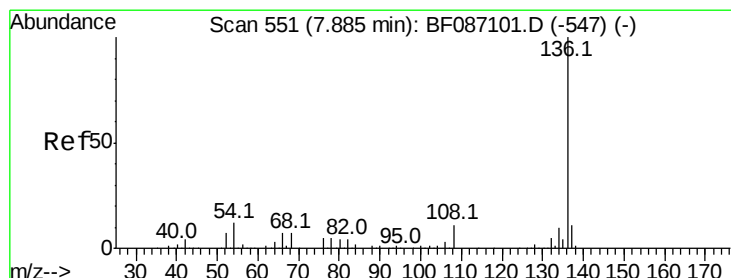
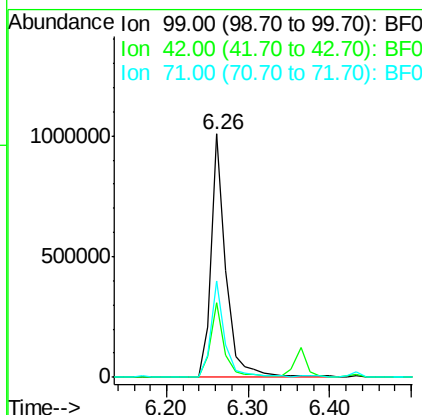
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ClientSampled :

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Tgt Ion: 136 Resp: 601318

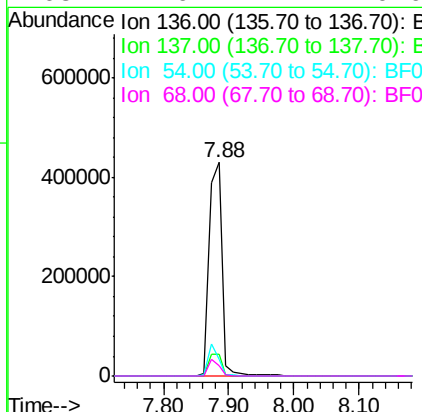
Ion Ratio Lower Upper

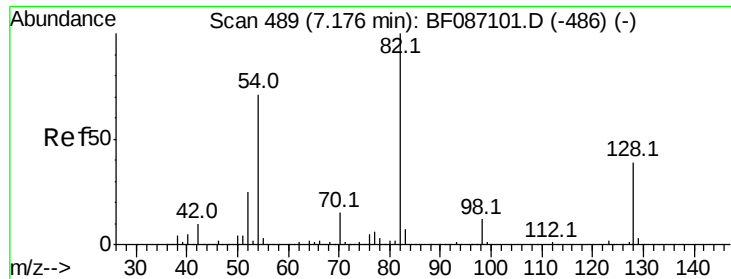
136 100

137 10.4 8.8 13.2

54 7.6 5.0 7.4#

68 4.6 4.4 6.6





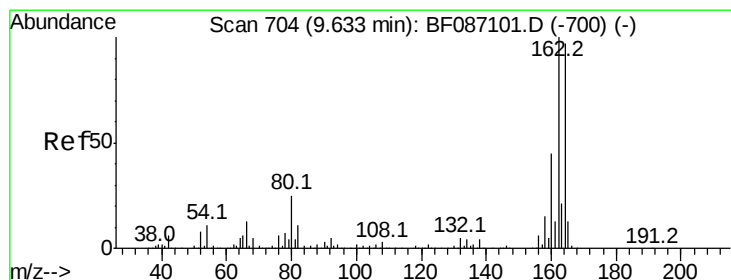
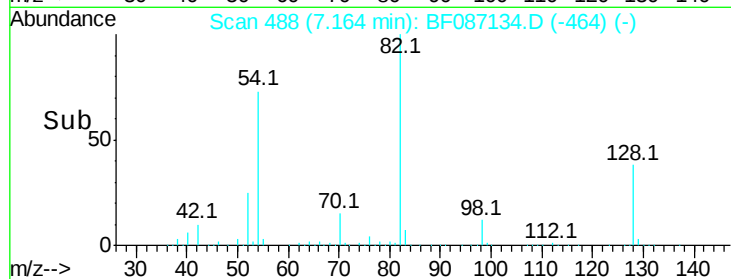
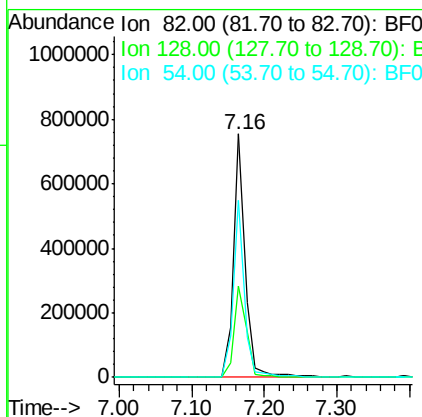
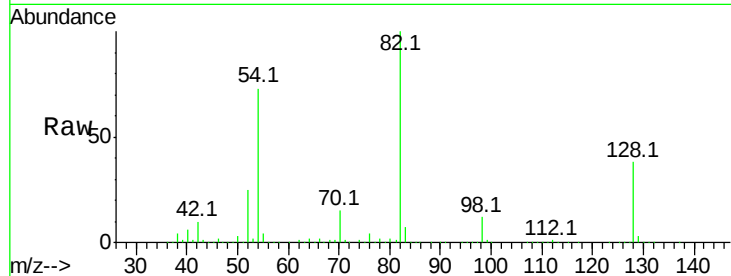
#23
 Nitrobenzene-d5
 Concen: 69.72 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.5	40.6	61.0#	
54	72.8	38.1	57.1#	

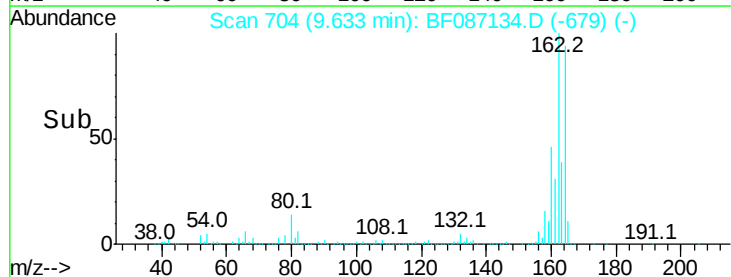
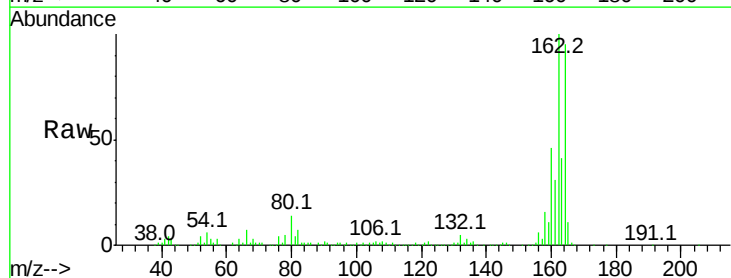
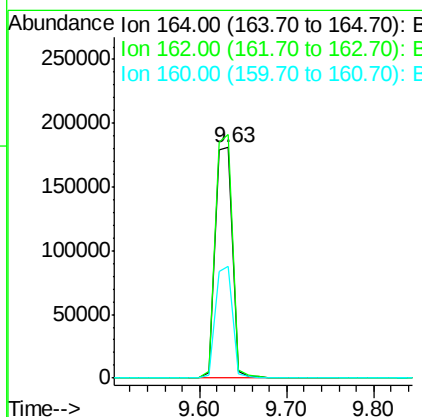
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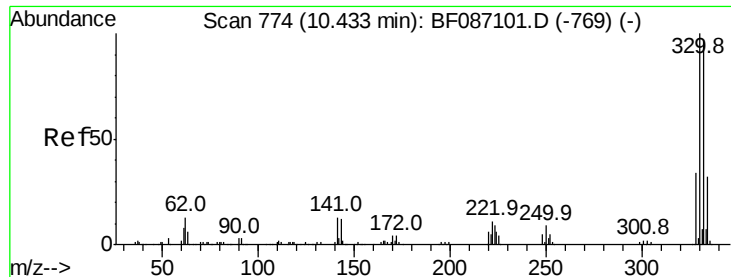
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	82.8	124.2	
160	48.3	36.9	55.3	





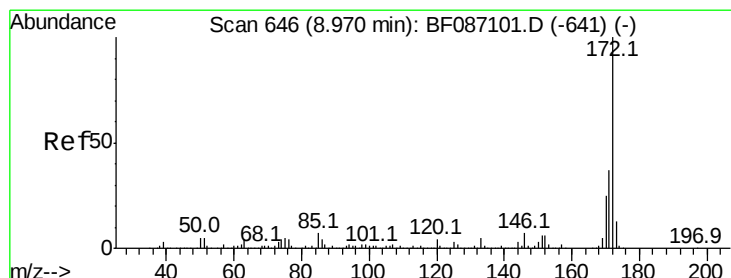
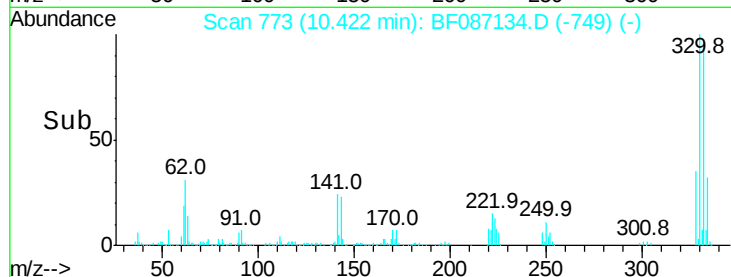
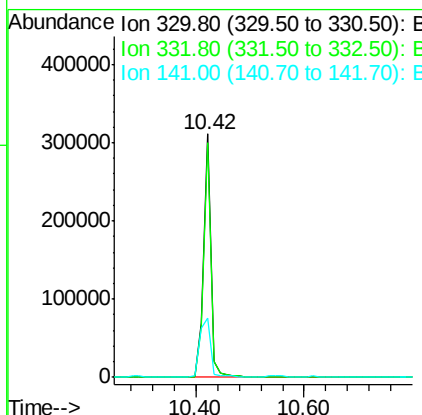
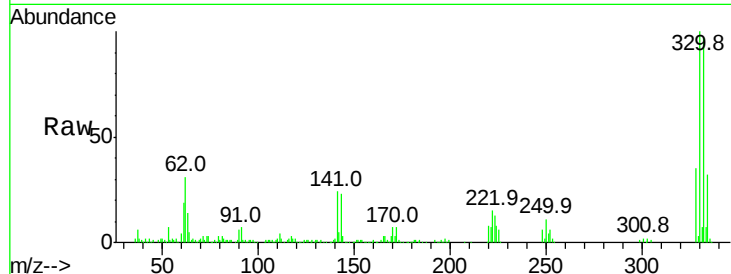
#41
 2,4,6-Tribromophenol
 Concen: 101.52 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	288396		
332	95.9	79.0	118.4	
141	34.9	31.2	46.8	

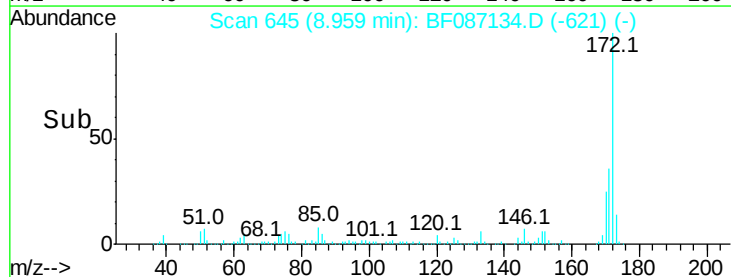
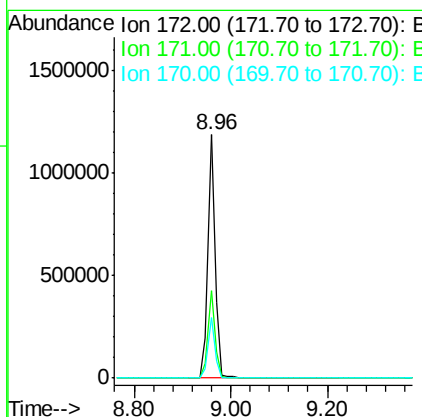
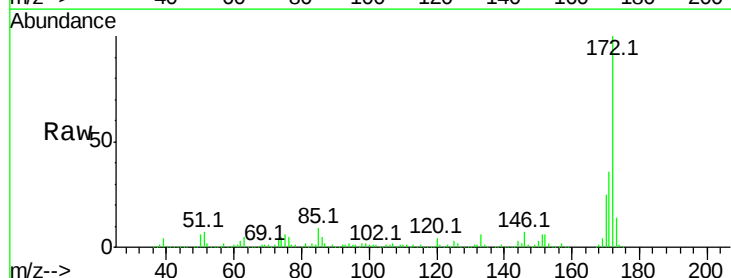
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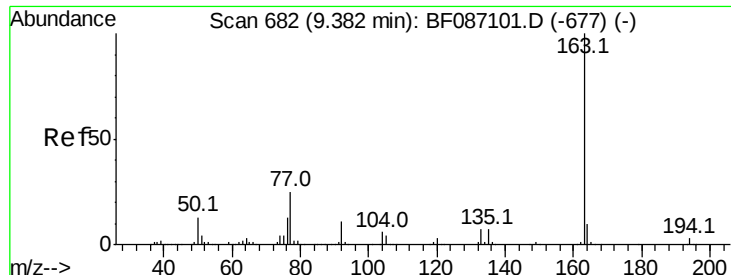
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#44
 2-Fluorobiphenyl
 Concen: 80.07 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1242852		
171	36.0	29.0	43.6	
170	24.7	19.8	29.8	





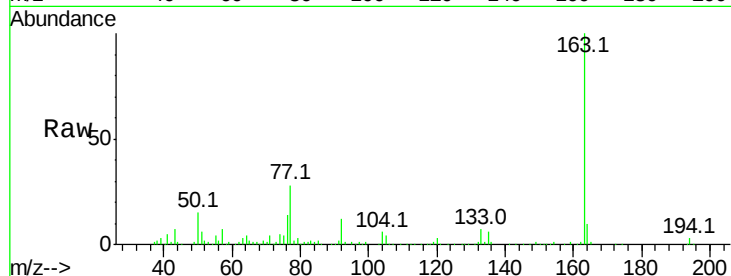
#49
Dimethylphthalate
Concen: 8.14 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WEST

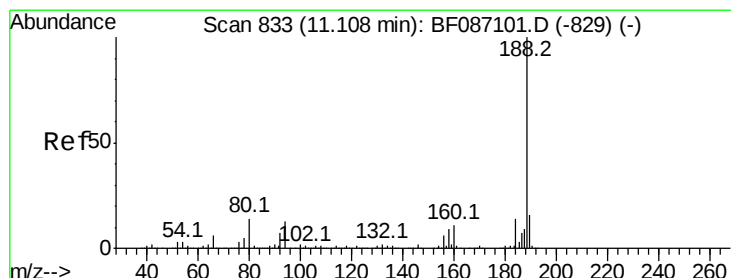
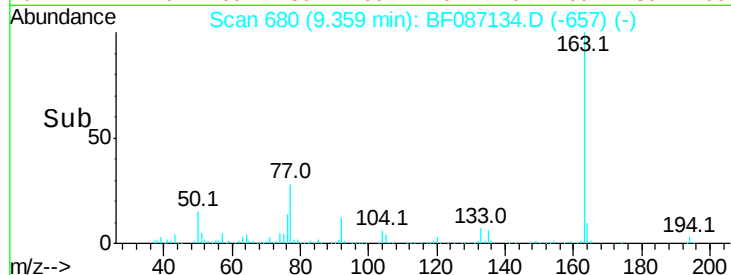
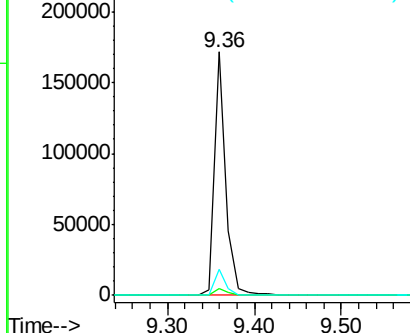
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	2.8	2.6	4.0
164	10.5	8.2	12.4

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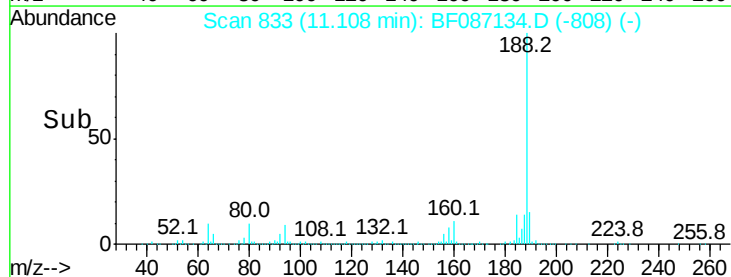
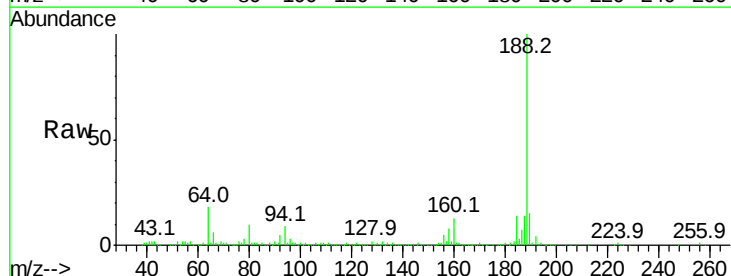
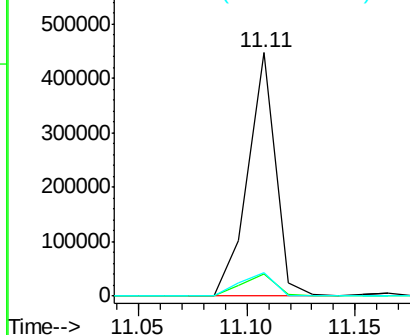
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

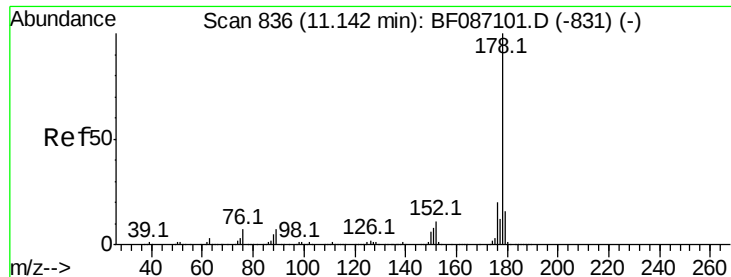


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	6.8	10.2
80	9.7	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





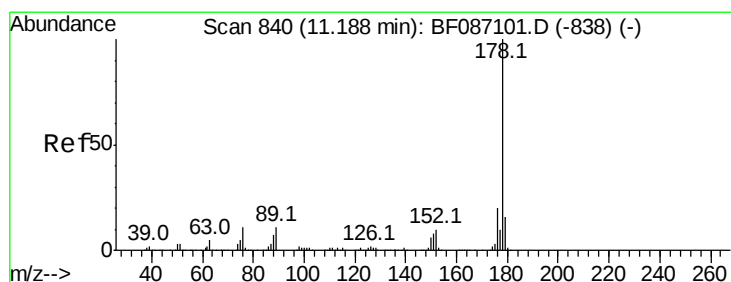
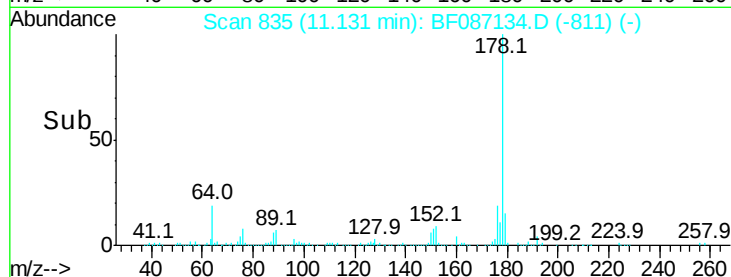
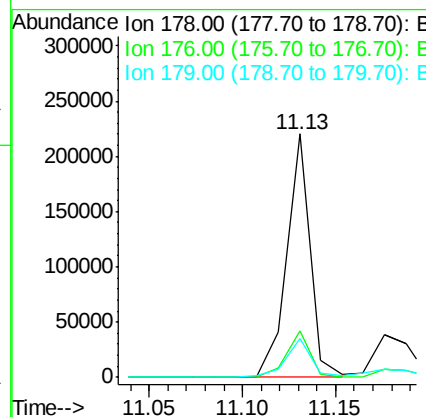
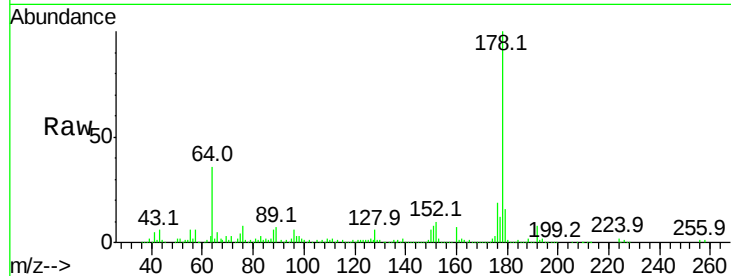
#70
Phenanthrene
Concen: 8.87 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WEST

Tot Ion	Ratio	Resp	Lower	Upper
178	100	191133		
176	19.1	16.0	24.0	
179	15.7	12.6	18.8	

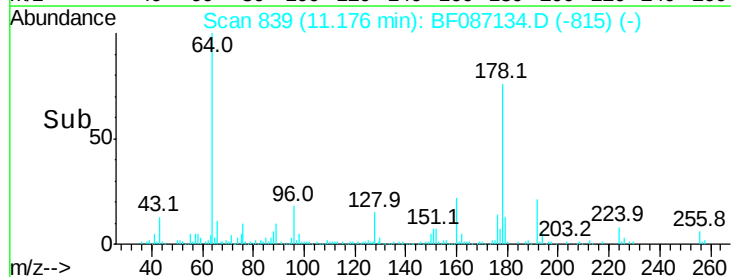
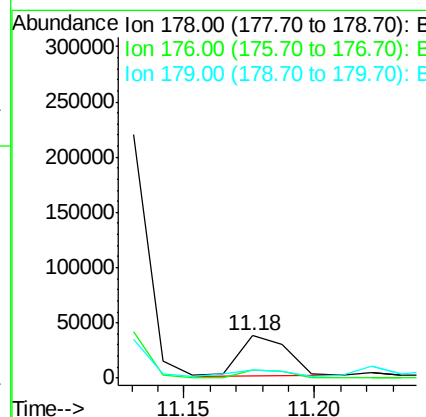
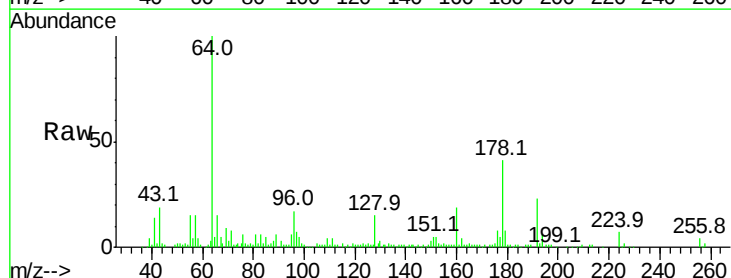
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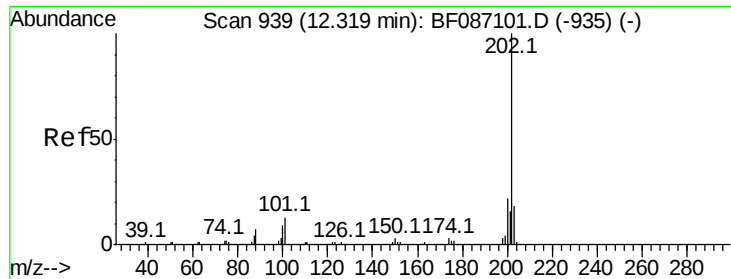
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#71
Anthracene
Concen: 2.11 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	45979		
176	18.5	15.6	23.4	
179	18.6	12.7	19.1	





#74

Fluoranthene

Concen: 12.78 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

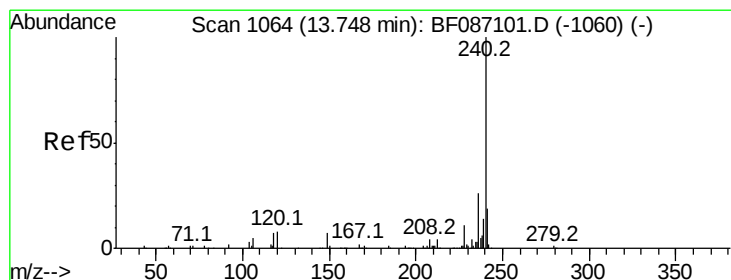
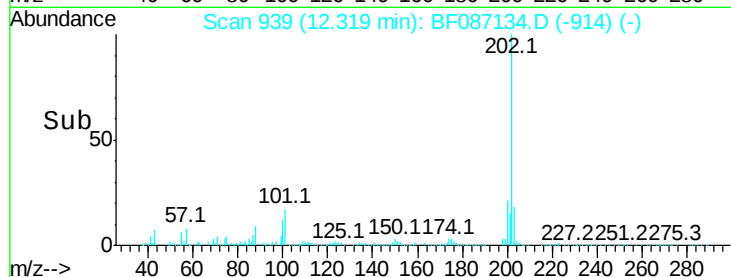
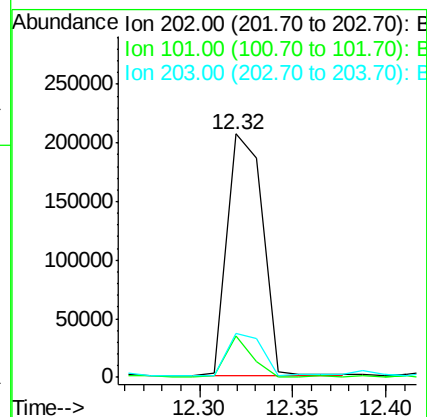
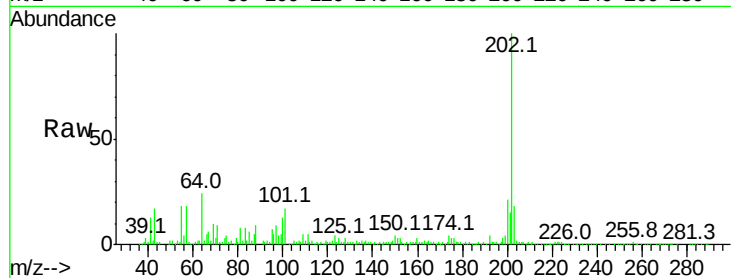
ClientSampleId :

PITT-1-N-WEST

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.8	0.0	35.4
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

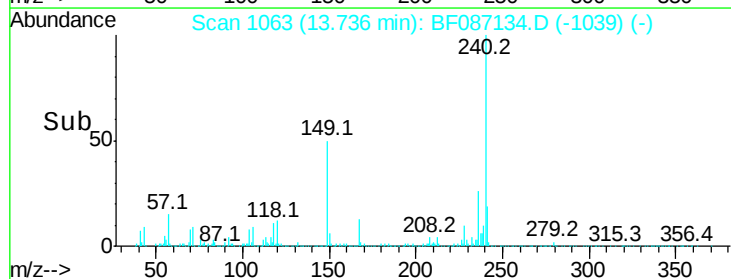
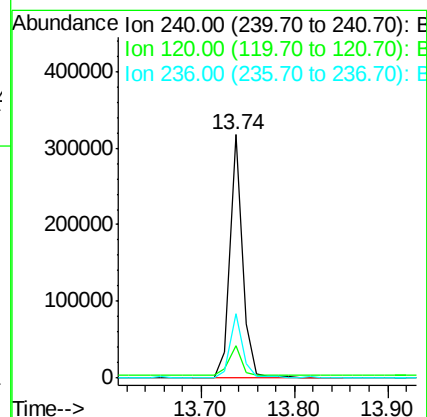
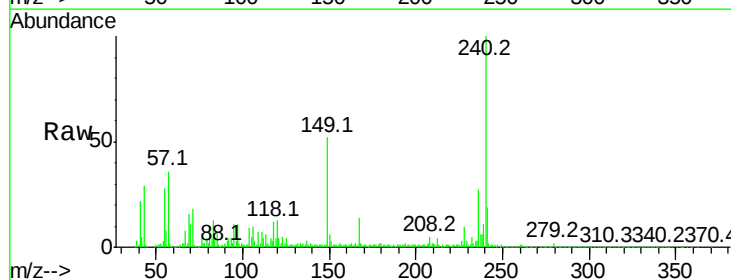
RT: 13.74 min Scan# 1063

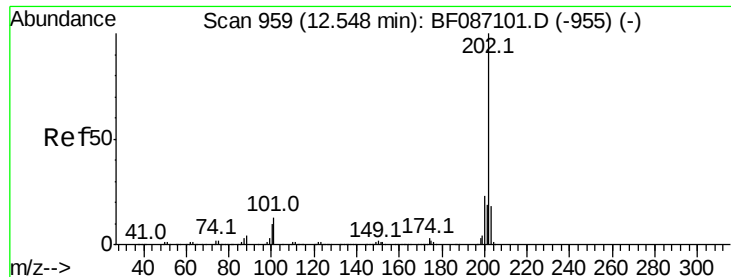
Delta R.T. -0.02 min

Lab File: BF087134.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.1	11.2	16.8
236	26.6	21.2	31.8





#77

Pvrene

Concen: 11.28 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

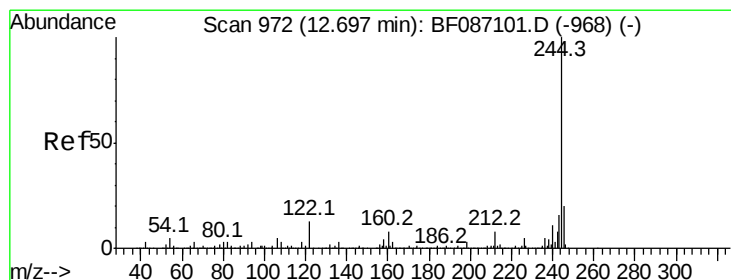
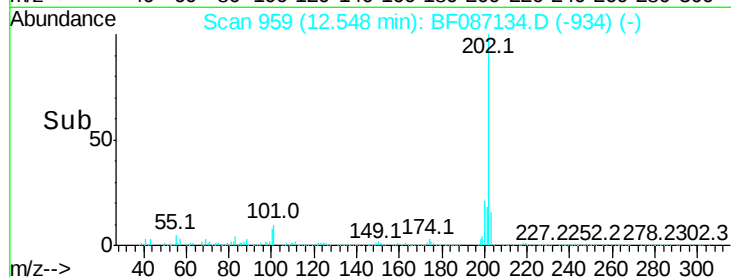
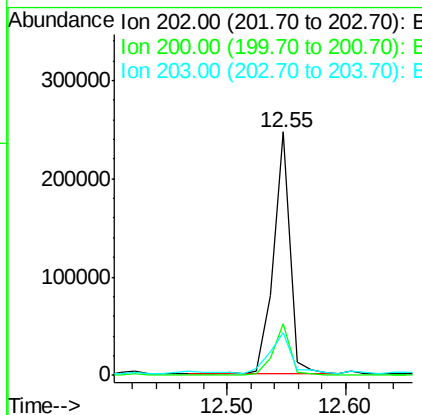
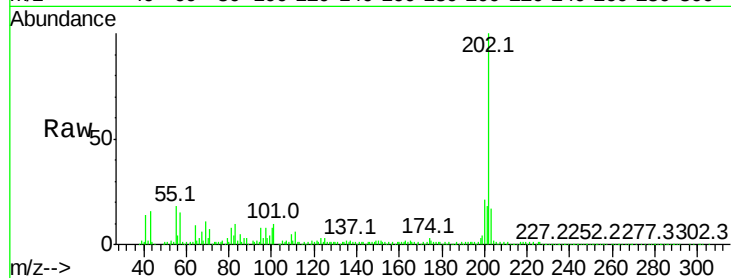
ClientSampleId :

PITT-1-N-WEST

Tot Ion:	202	Resp:	242073
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.7	26.5
203	17.4	14.2	21.4

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#78

Terphenyl-d14

Concen: 70.61 ng

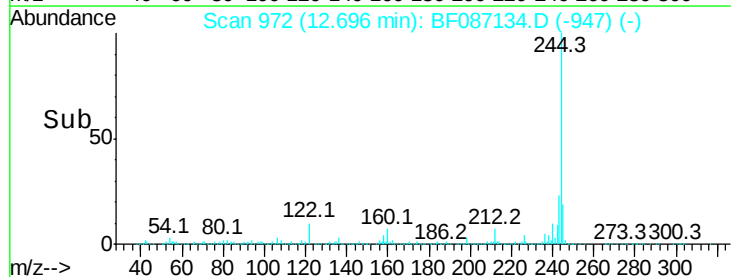
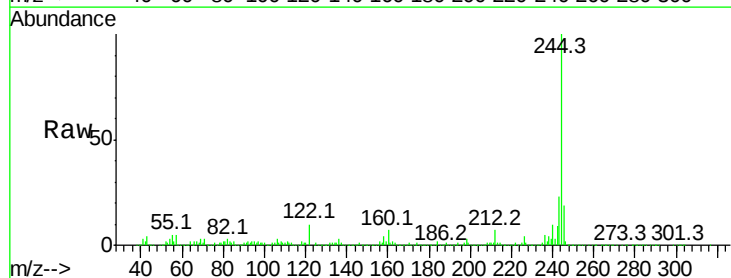
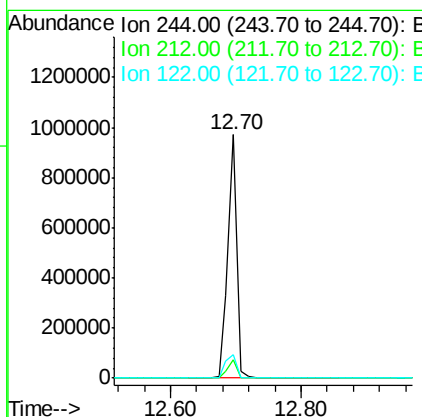
RT: 12.70 min Scan# 972

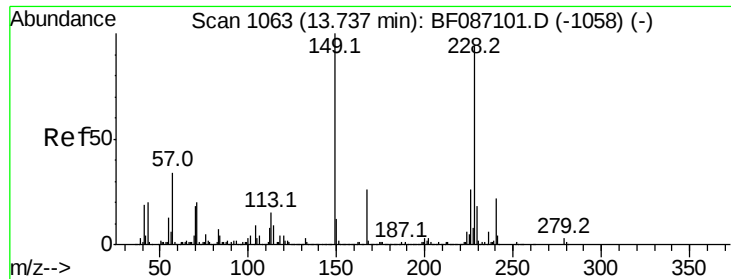
Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Tgt Ion:	244	Resp:	927660
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.2	9.2
122	9.8	12.0	18.0#





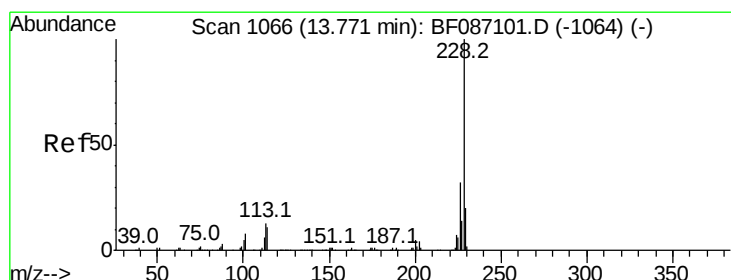
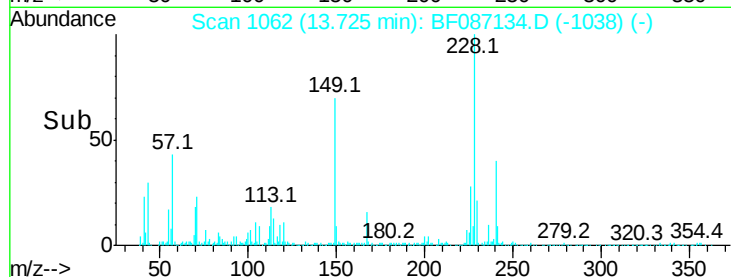
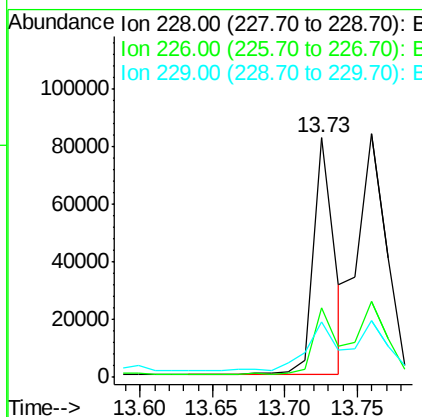
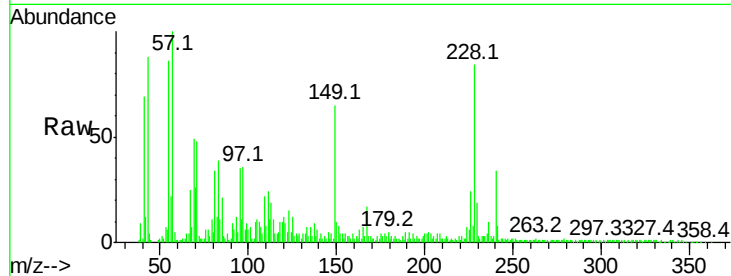
#80
Benzo(a)anthracene
Concen: 4.86 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WEST

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	23.0	16.6	25.0

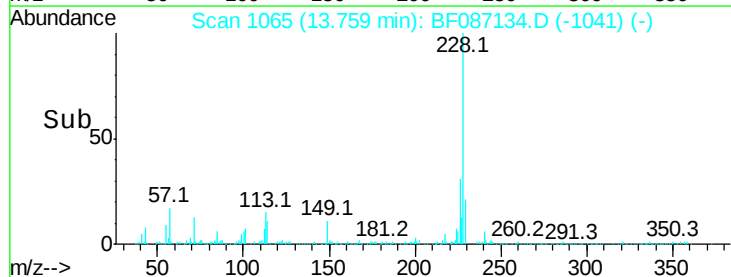
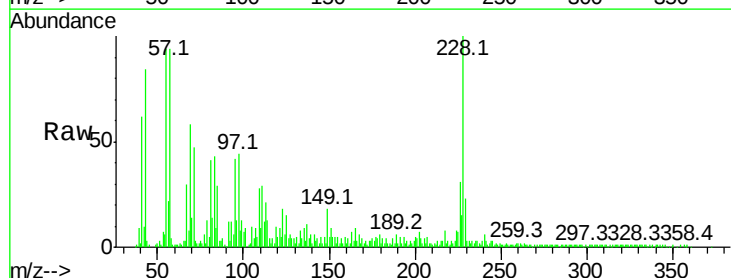
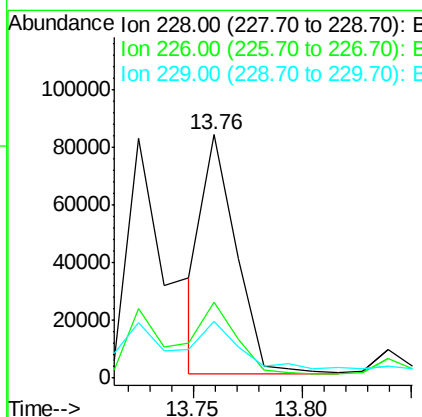
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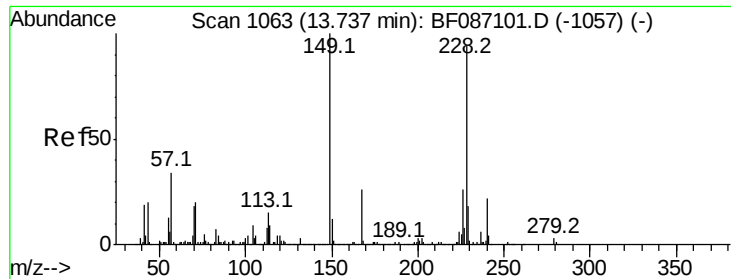
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#82
Chrysene
Concen: 5.33 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	23.4	15.8	23.8





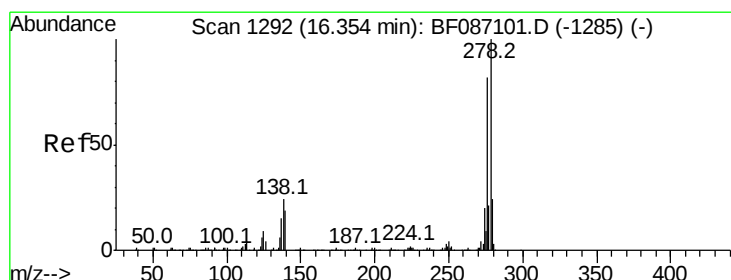
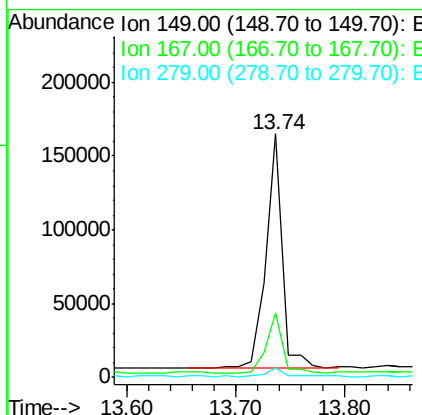
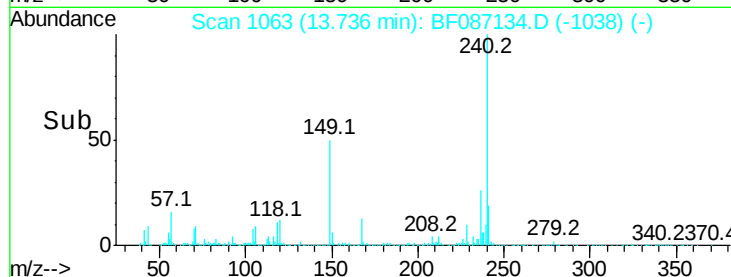
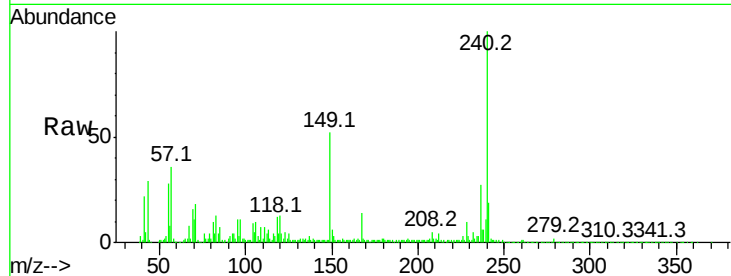
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.27 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	26.2	21.8	32.6
279	4.1	2.6	4.0#

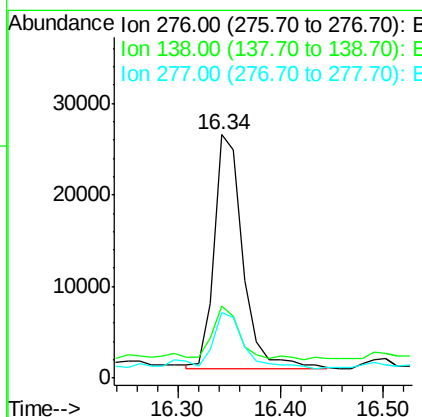
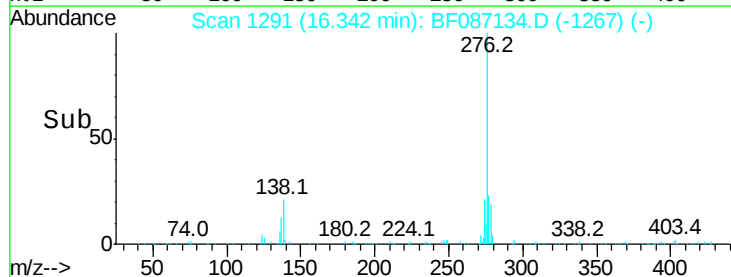
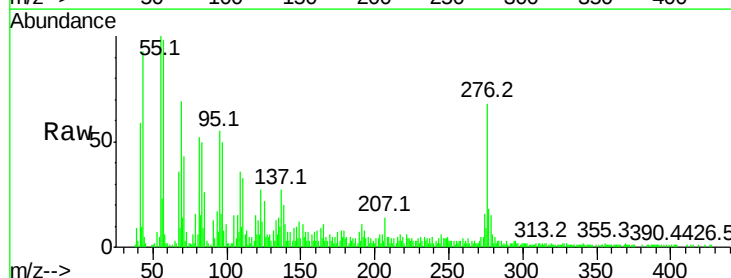
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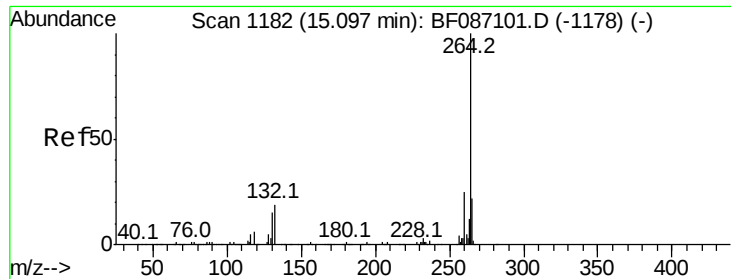
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.43 ng m
 RT: 16.34 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	5.3	25.6	38.4#
277	5.2	20.5	30.7#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.10 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

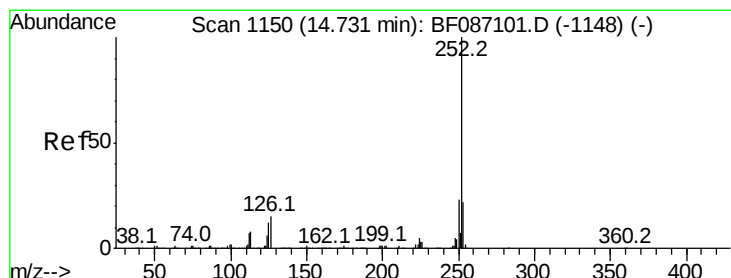
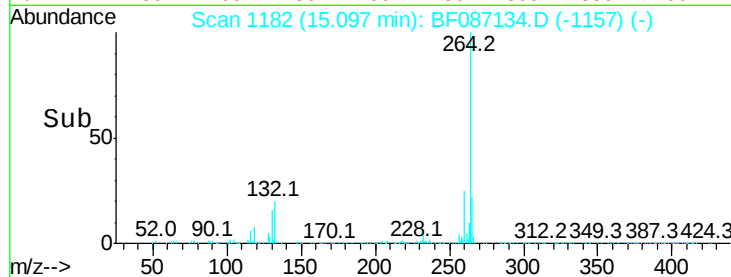
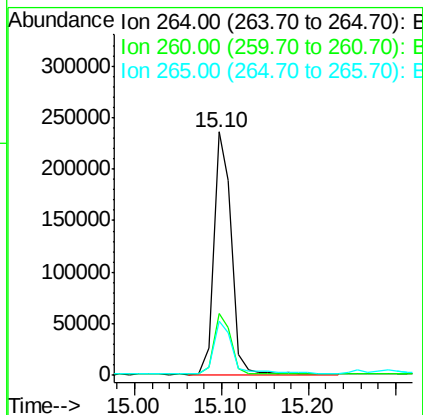
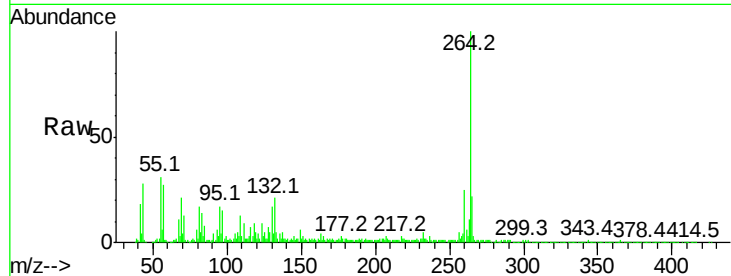
ClientSampleId :

PITT-1-N-WEST

Tot Ion:	264	Resp:	330343
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.5	29.3
265	22.2	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 5.42 ng m

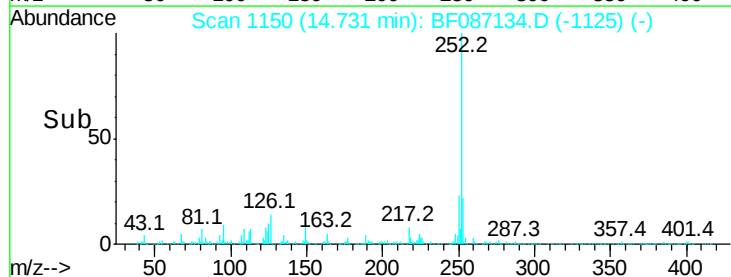
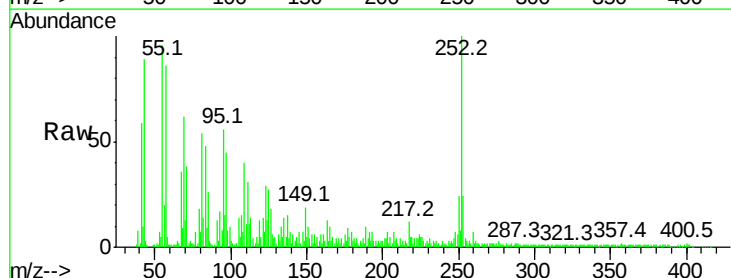
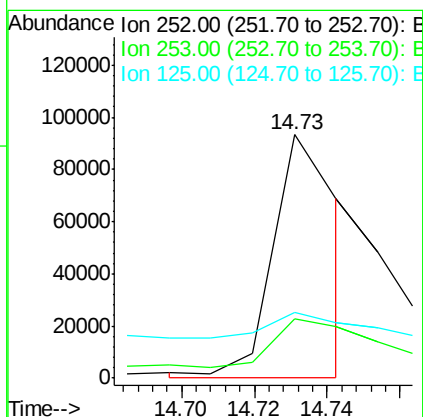
RT: 14.73 min Scan# 1150

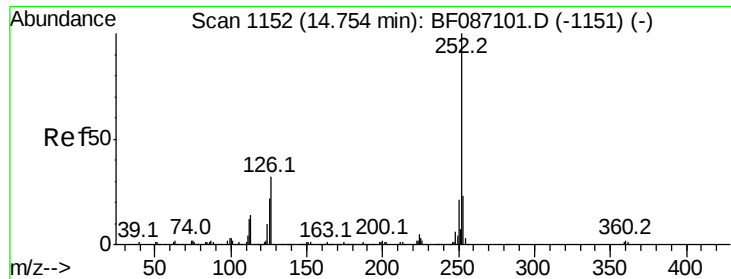
Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Tgt Ion:	252	Resp:	118885
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.6
125	26.9	11.4	17.0#





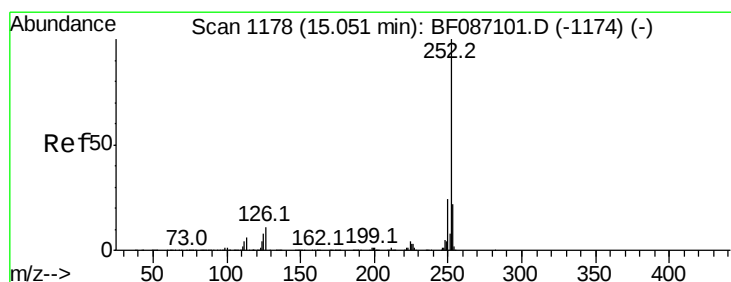
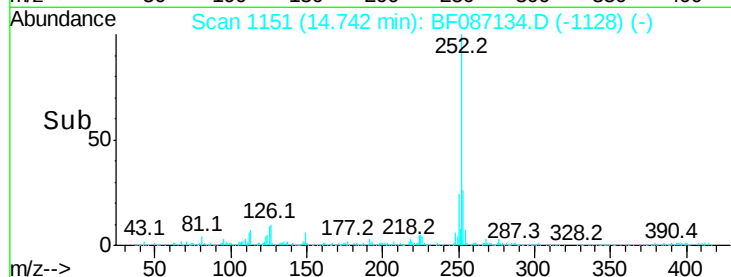
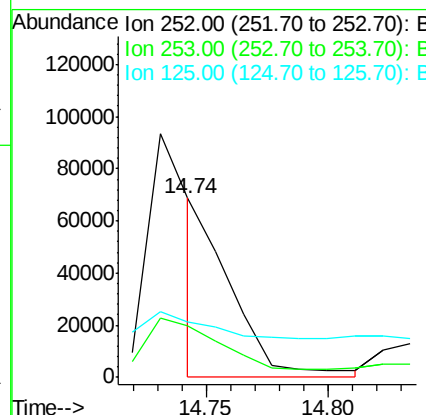
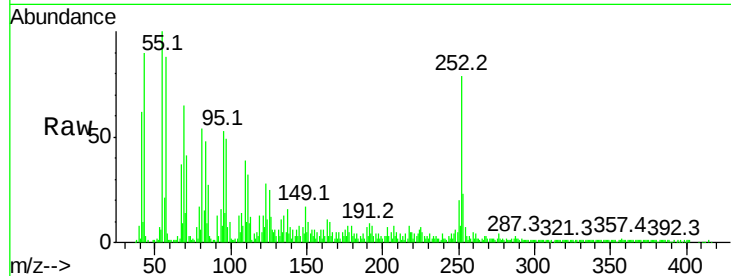
#88
Benzo(k)fluoranthene
Concen: 3.58 ng m
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WEST

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.8	26.6#
125	31.1	9.1	13.7#

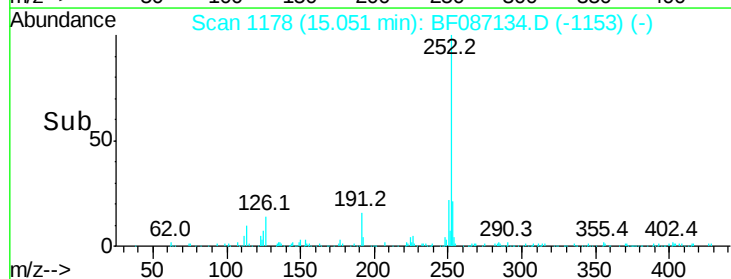
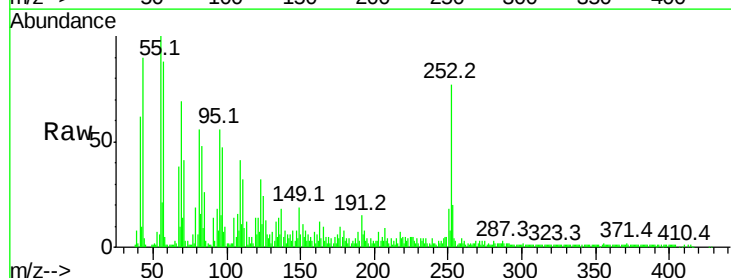
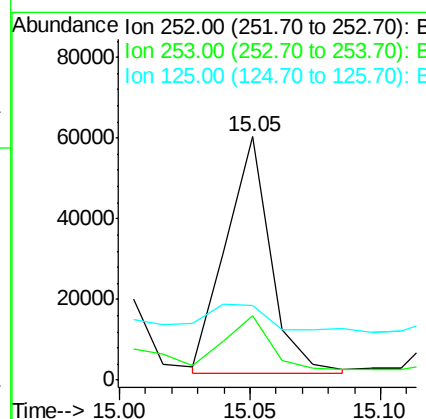
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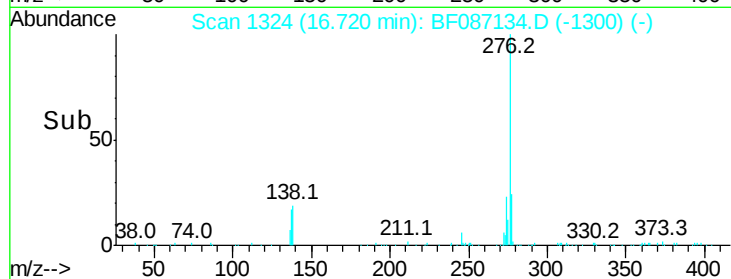
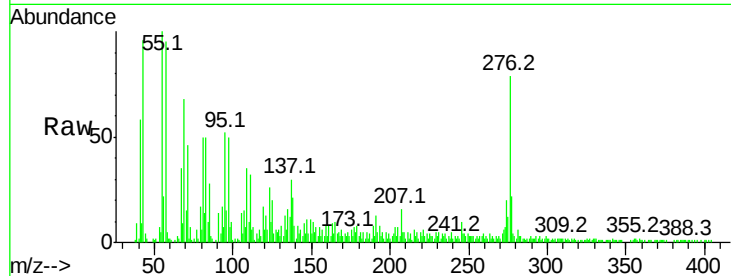
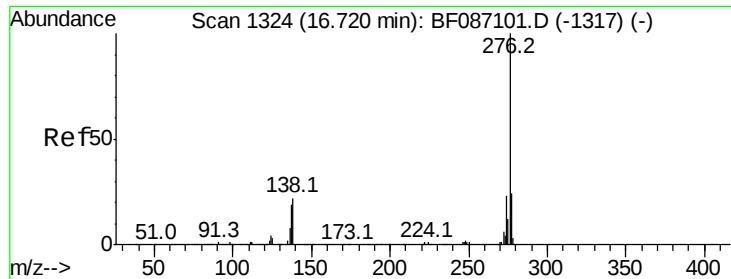
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#89
Benzo(a)pyrene
Concen: 3.82 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.2	25.8#
125	30.6	9.0	13.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.23 ng
 RT: 16.72 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

Tot Ion:	276	Resp:	50328
Ion Ratio	Lower	Upper	
276	100		
277	27.7	19.6	29.4
138	26.2	23.6	35.4

Manual Integrations
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