

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087135.D
 Acq On : 18 May 2016 7:07
 Operator : UM/SJ
 Sample : H3038-05
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PITT-2-N-EAST

Manual Integrations
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Quant Time: May 18 13:02:16 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	157963	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	585788	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	246688	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	375877	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	297080	20.00	ng	-0.02
86) Perylene-d12	15.11	264	329125	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1300002	138.33	ng	-0.01
7) Phenol-d6	6.27	99	1856210	147.27	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1239188	105.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	324200	118.93	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1562393	104.89	ng	-0.02
78) Terphenyl-d14	12.70	244	986588	75.12	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.36	163	234198	12.45	ng	100
70) Phenanthrene	11.13	178	112682	5.53	ng	98
74) Fluoranthene	12.33	202	332742	16.29	ng	94
77) Pyrene	12.55	202	288322	13.43	ng	98
79) Butylbenzylphthalate	13.18	149	149442	16.49	ng	92
80) Benzo(a)anthracene	13.73	228	139401	8.12	ng	97
82) Chrysene	13.76	228	131640	7.92	ng	97
83) Bis(2-ethylhexyl)phthalate	13.74	149	208094	18.87	ng	98
85) Indeno(1,2,3-cd)pyrene	16.35	276	68491	4.70	ng	# 90
87) Benzo(b)fluoranthene	14.73	252	226893m	10.39	ng	
88) Benzo(k)fluoranthene	14.75	252	40584m	2.50	ng	
89) Benzo(a)pyrene	15.05	252	91337	5.00	ng	# 81
91) Benzo(a,h,i)perylene	16.72	276	65244	4.20	ng	98

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

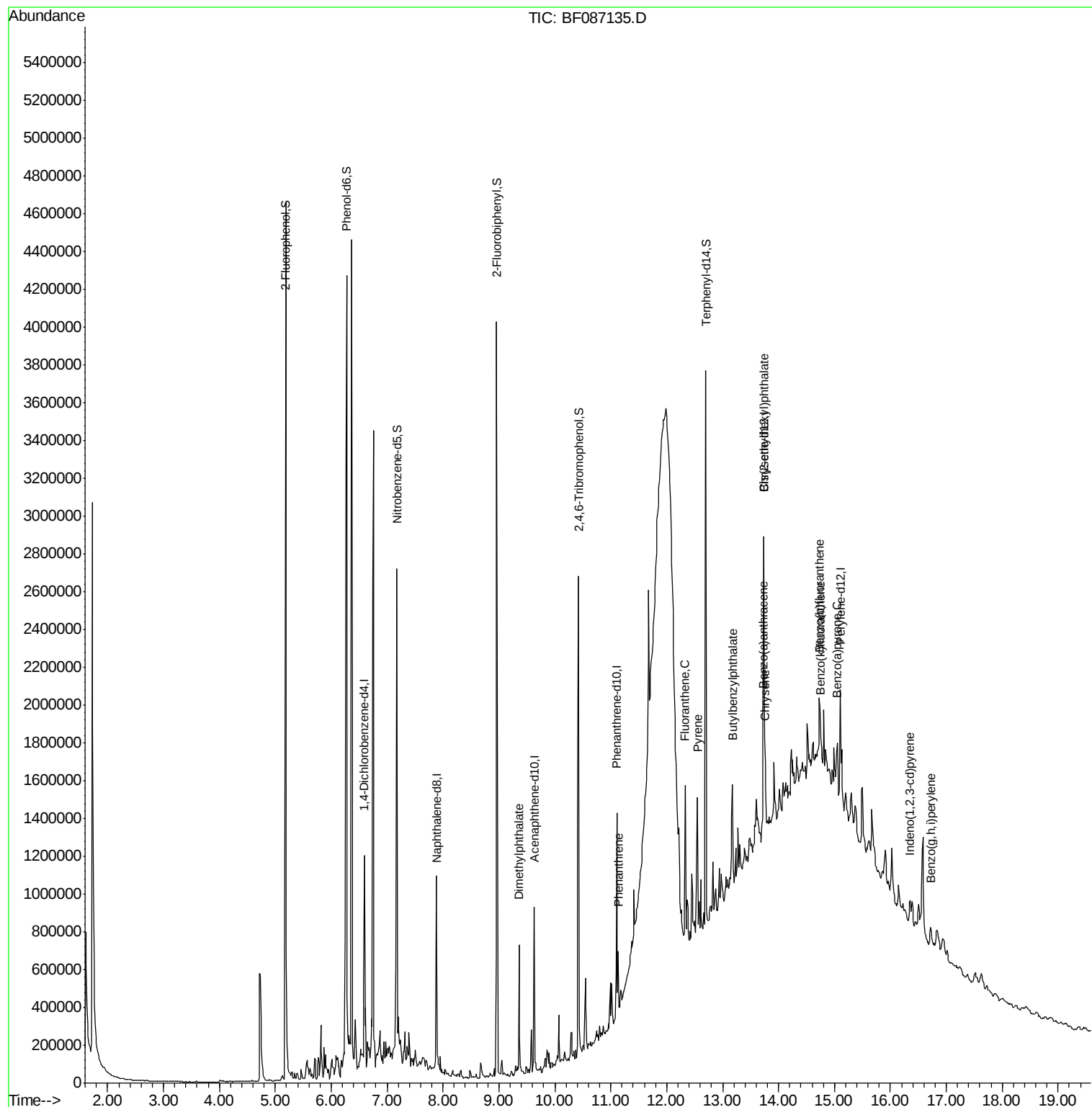
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087135.D
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ALS Vial : 37 Sample Multiplier: 1

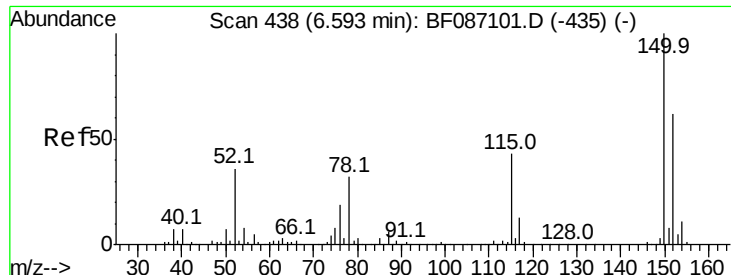
Instrument :
BNA_F
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#1

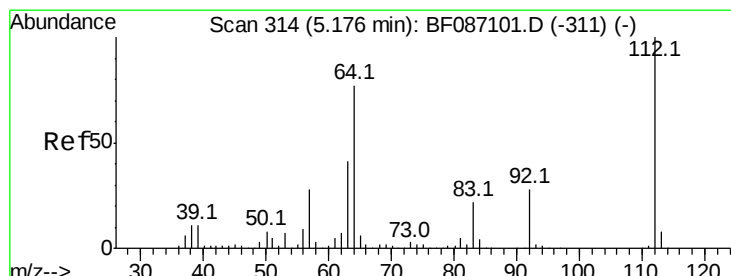
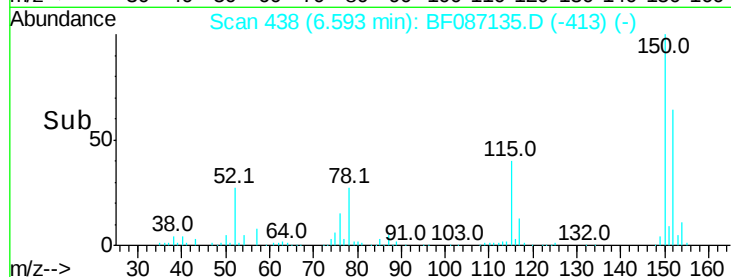
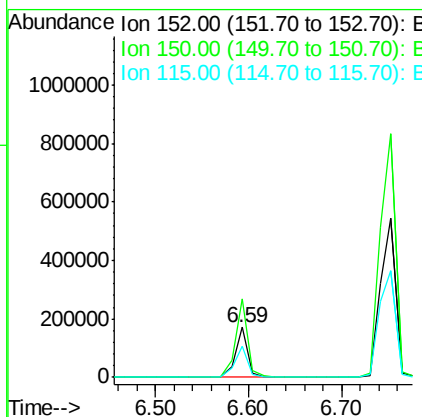
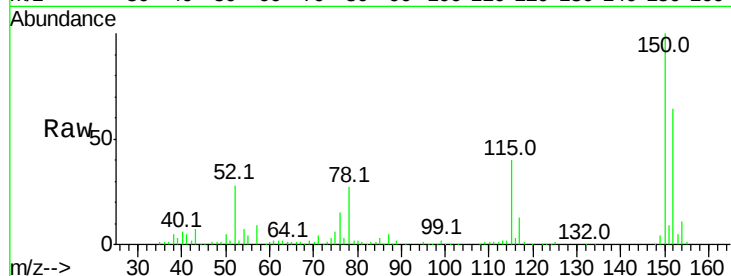
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.8	188.6
115	62.0	51.5	77.3

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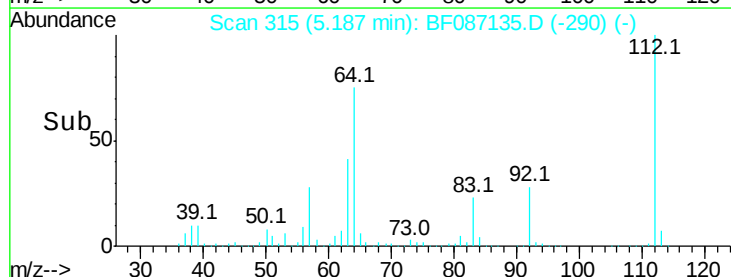
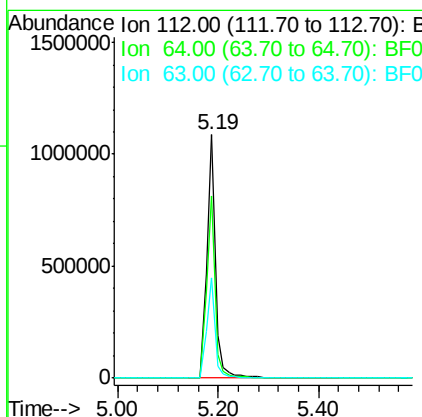
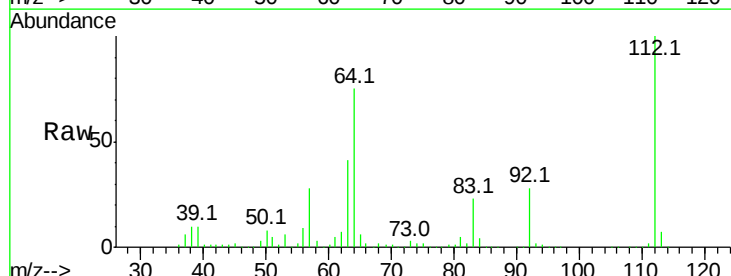
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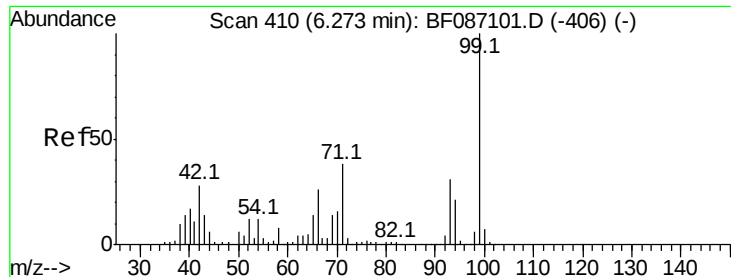


#5

2-Fluorophenol
Concen: 138.33 ng
RT: 5.19 min Scan# 315
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.0	52.1	78.1
63	40.9	25.7	38.5





#7

Phenol-d6

Concen: 147.27 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

Tot Ion: 99 Resp: 1856210

Ion Ratio Lower Upper

99 100

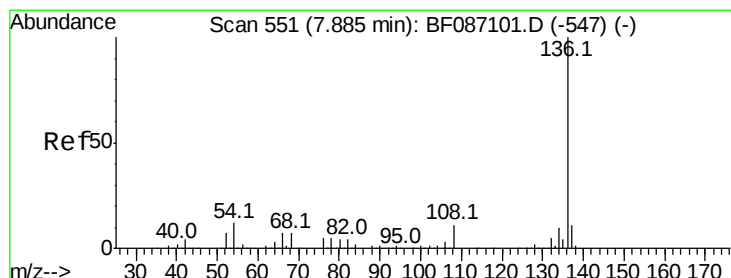
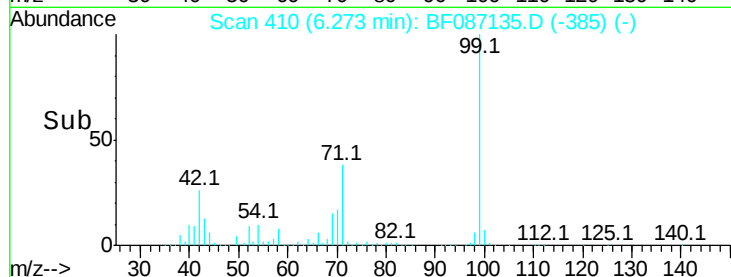
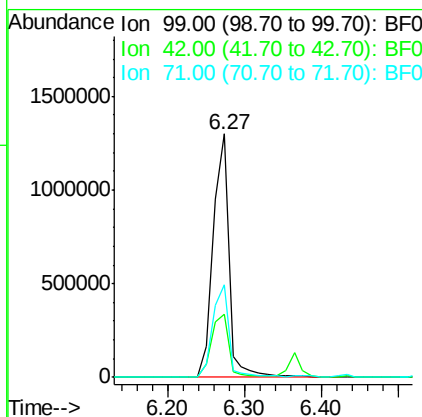
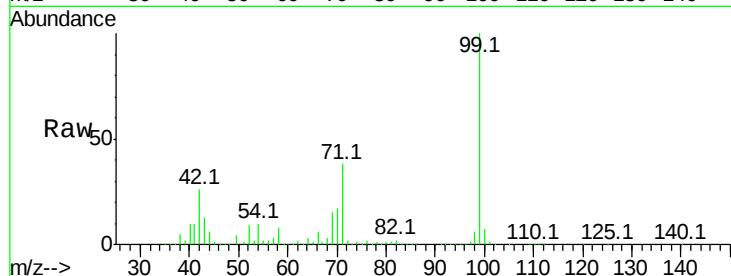
42 26.0 13.6 20.4#

71 38.0 24.6 36.8#

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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: BF087135.D

Acq: 18 May 2016 7:07

Tgt Ion: 136 Resp: 585788

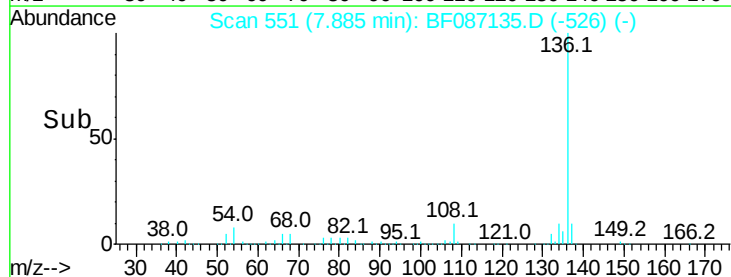
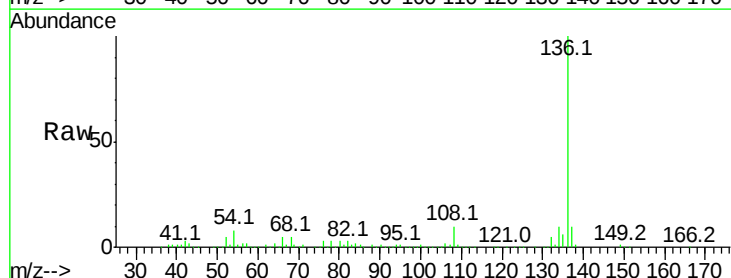
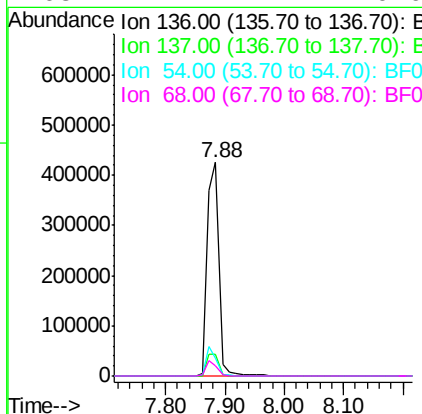
Ion Ratio Lower Upper

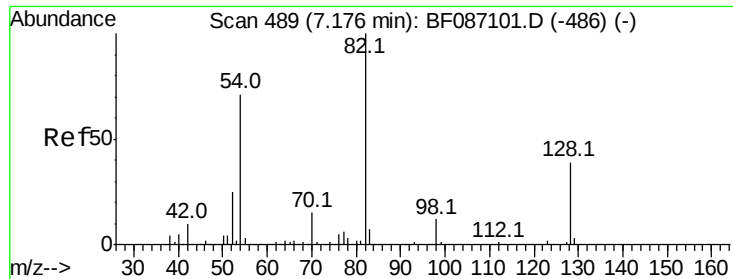
136 100

137 10.3 8.8 13.2

54 8.5 5.0 7.4#

68 4.7 4.4 6.6





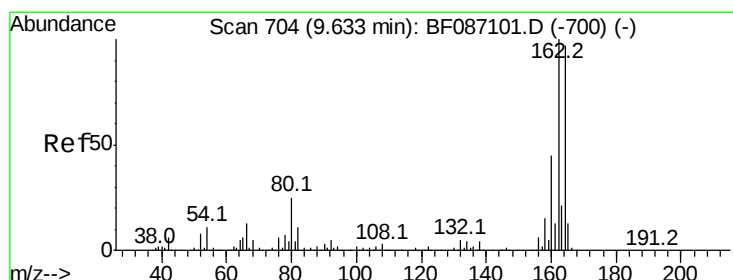
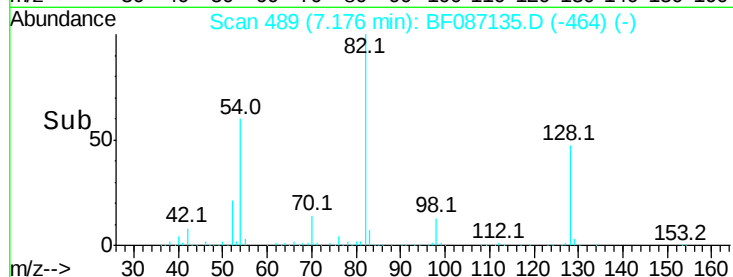
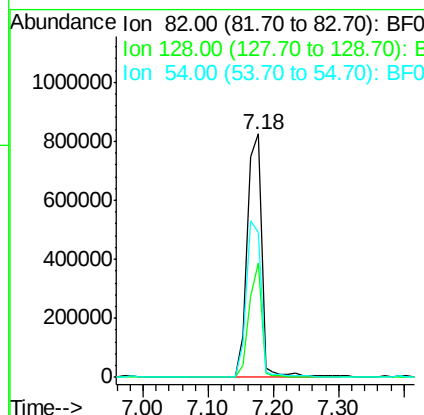
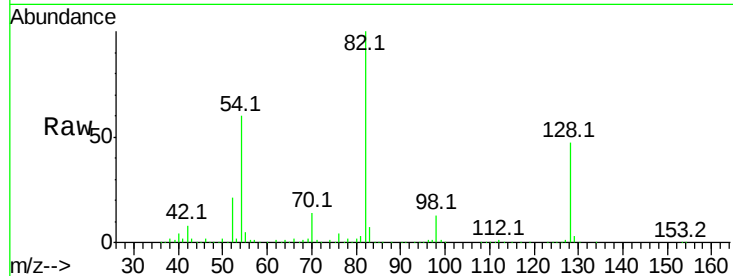
#23
Nitrobenzene-d5
Concen: 105.43 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	40.6	61.0
54	59.8	38.1	57.1

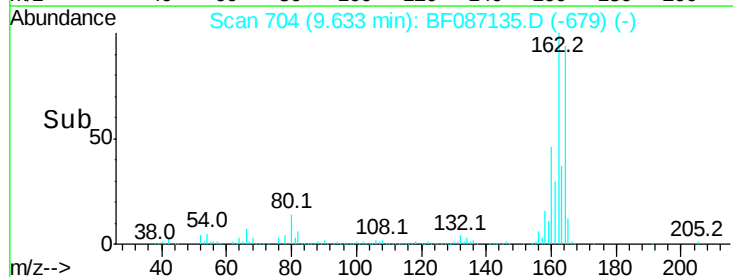
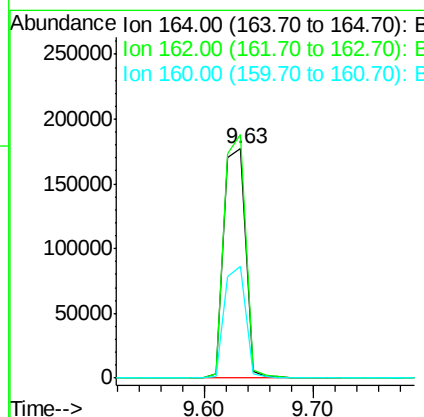
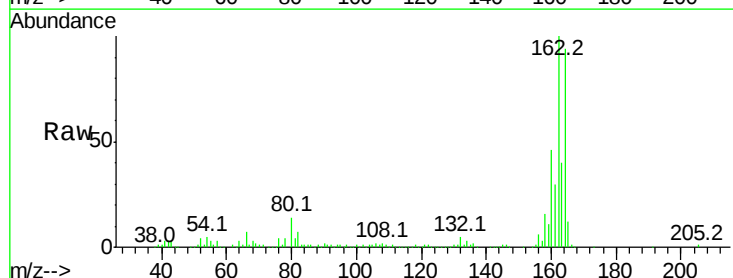
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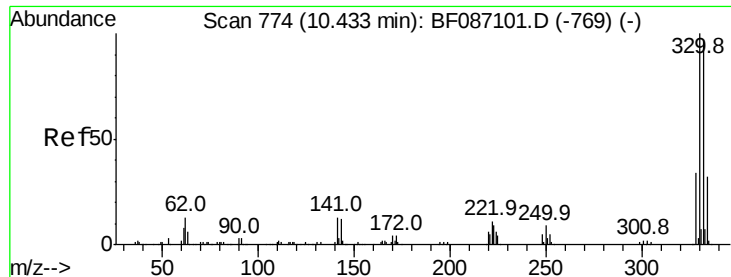
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	82.8	124.2
160	48.9	36.9	55.3





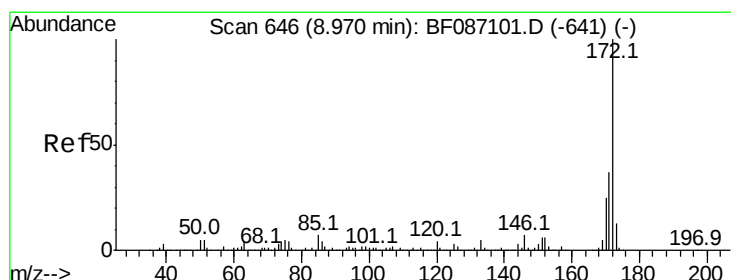
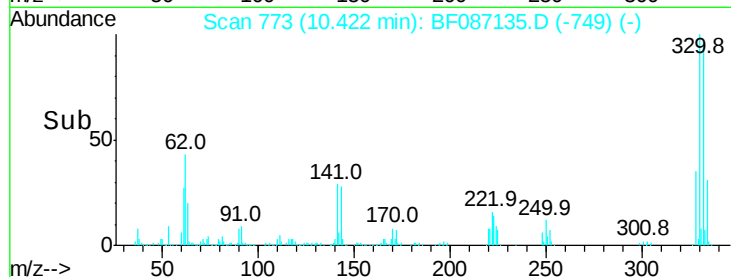
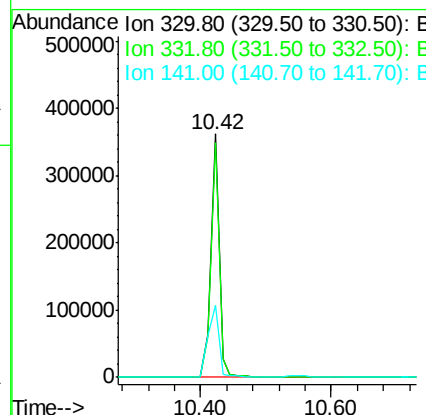
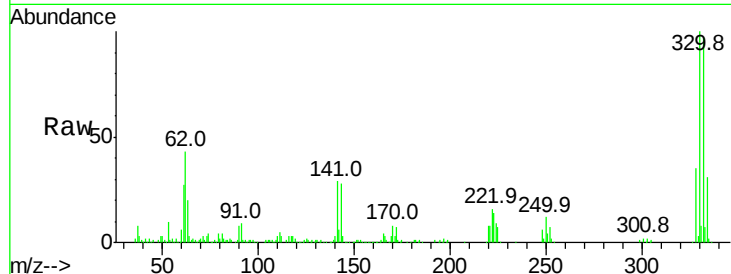
#41
 2,4,6-Tribromophenol
 Concen: 118.93 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087135.D
 Acq: 18 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 PITT-2-N-EAST

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	79.0	118.4	
141	37.4	31.2	46.8	

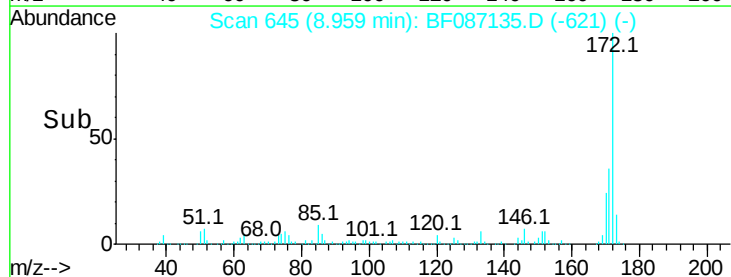
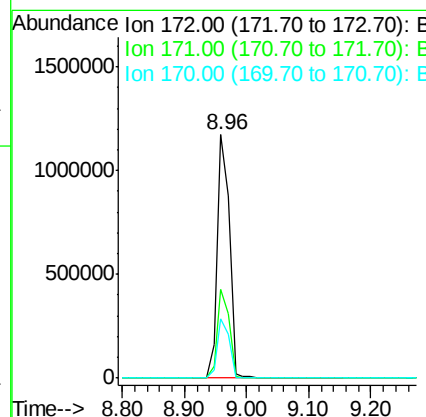
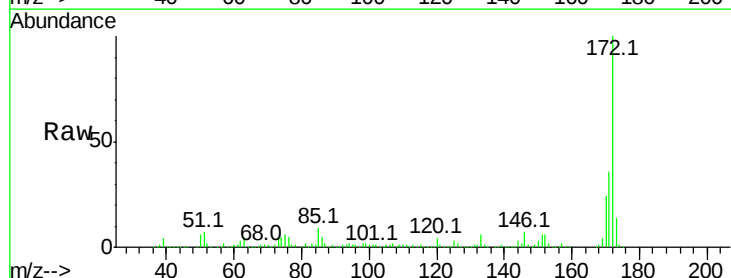
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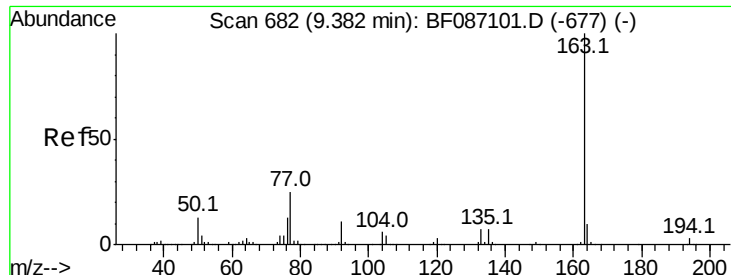
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#44
 2-Fluorobiphenyl
 Concen: 104.89 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087135.D
 Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.0	43.6	
170	24.4	19.8	29.8	





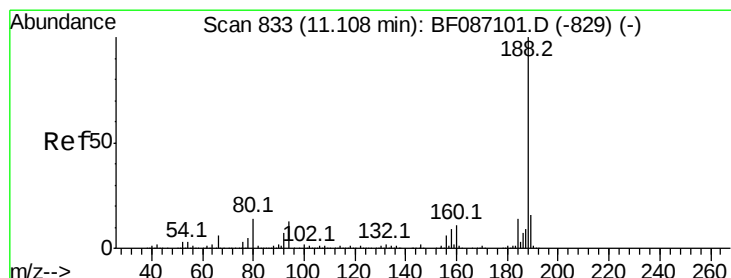
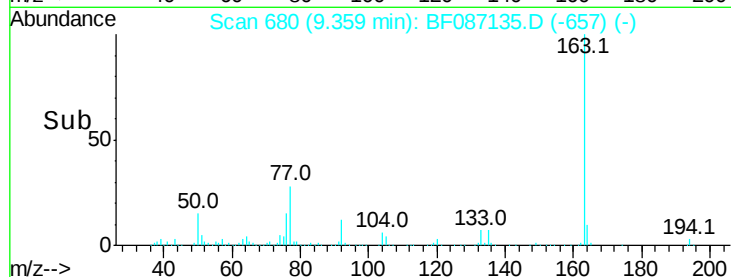
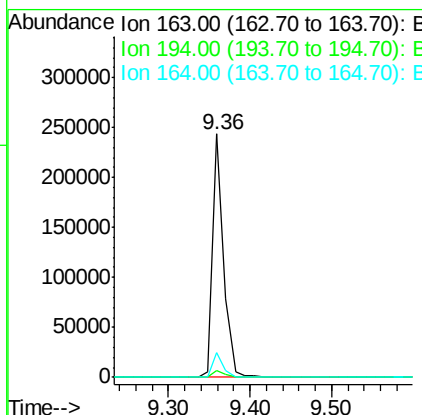
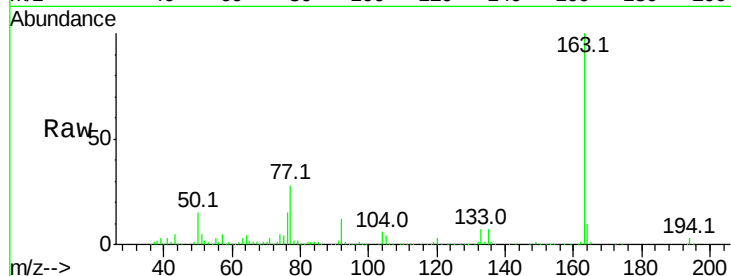
#49
Dimethylphthalate
Concen: 12.45 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

Tot Ion	Ratio	Resp	Lower	Upper
163	100	234198		
194	2.8		2.6	4.0
164	10.3		8.2	12.4

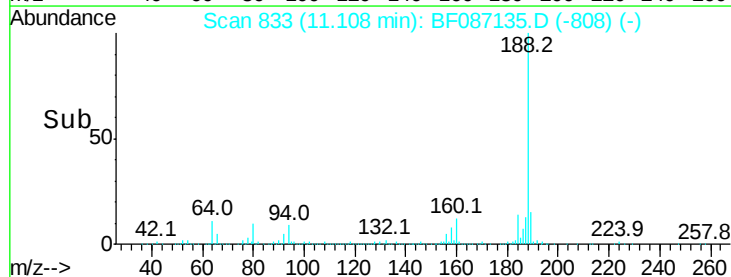
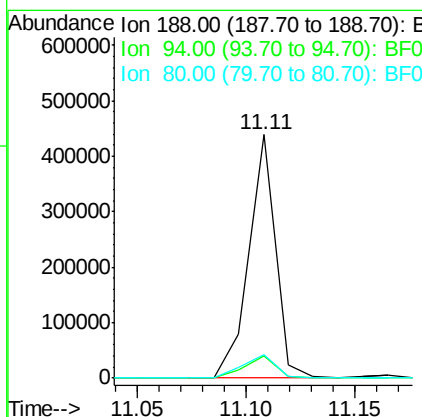
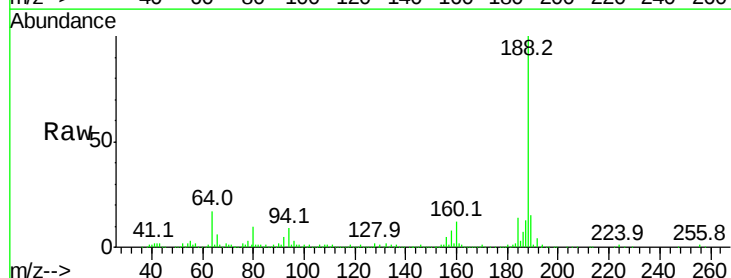
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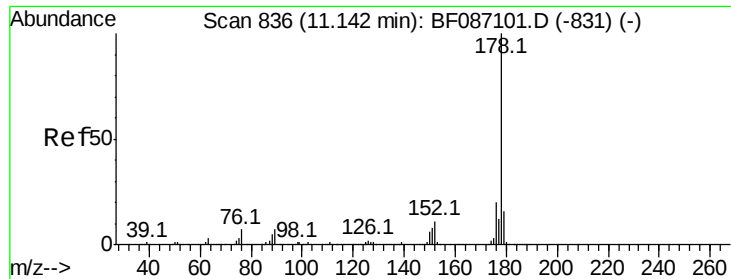
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	375877		
94	8.9		6.8	10.2
80	9.8		7.1	10.7





#70

Phenanthrene

Concen: 5.53 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

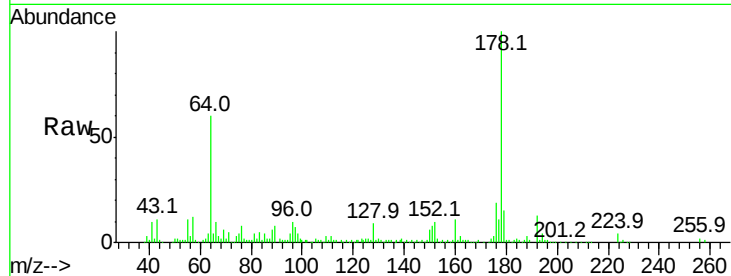
ClientSampleId :

PITT-2-N-EAST

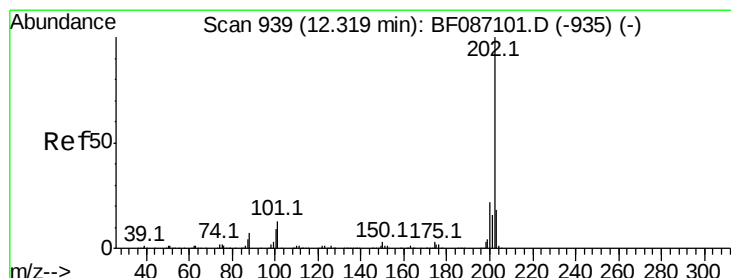
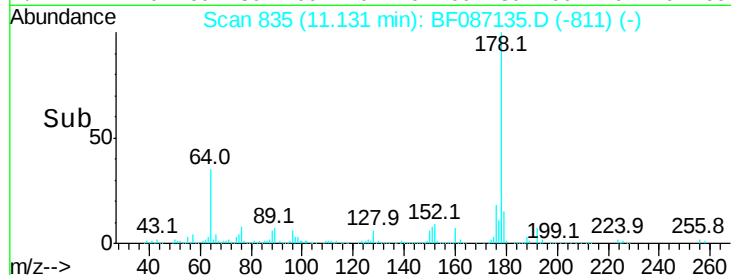
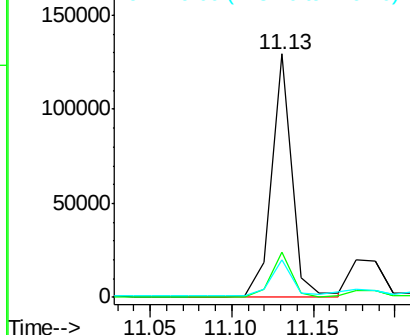
Tot Ion:	178	Resp:	112682
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.0	24.0
179	15.5	12.6	18.8

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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: 16.29 ng

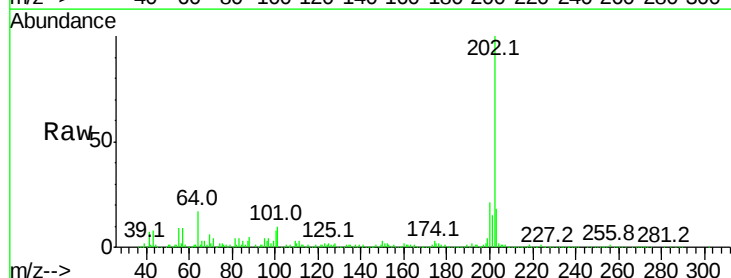
RT: 12.33 min Scan# 940

Delta R.T. 0.00 min

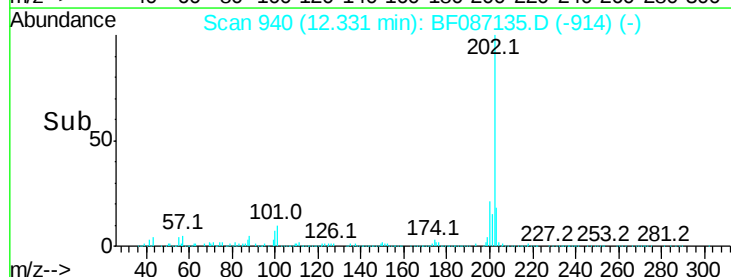
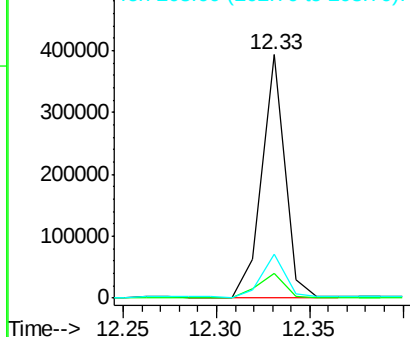
Lab File: BF087135.D

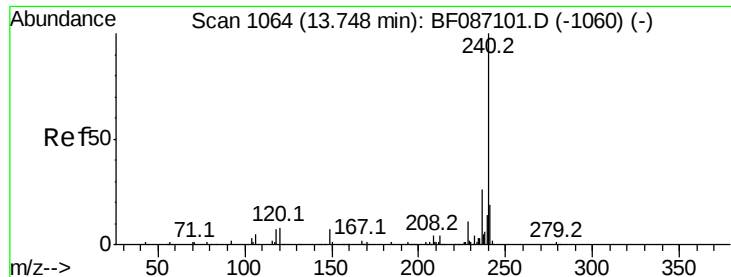
Acq: 18 May 2016 7:07

Tgt Ion:	202	Resp:	332742
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	35.4
203	17.8	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: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

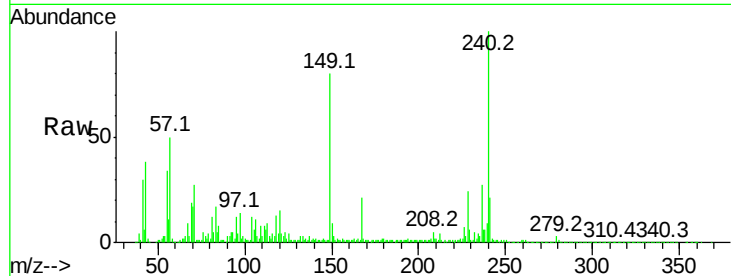
ClientSampleId :

PITT-2-N-EAST

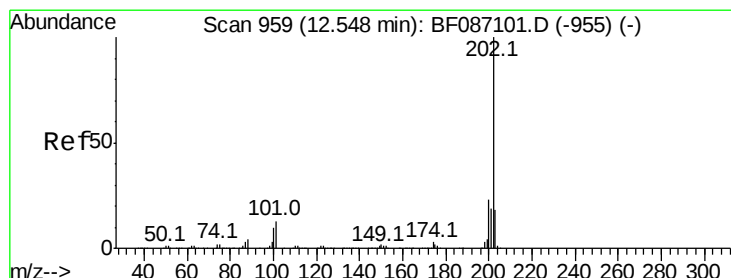
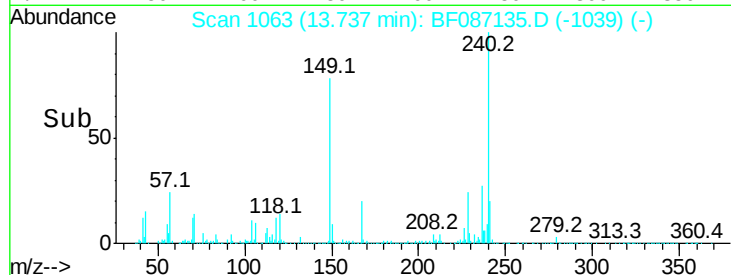
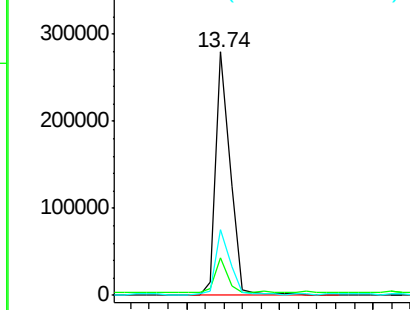
Tot Ion:	240	Resp:	297080
Ion Ratio	Lower	Upper	
240	100		
120	15.3	11.2	16.8
236	27.2	21.2	31.8

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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

Pyrene

Concen: 13.43 ng

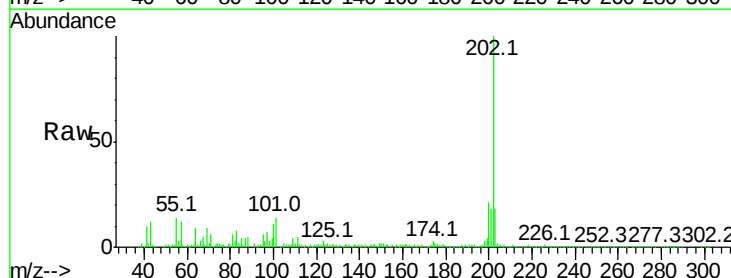
RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

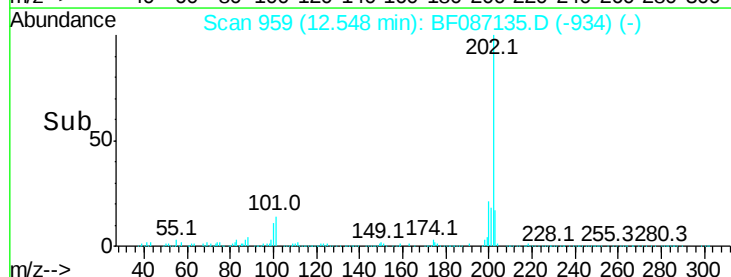
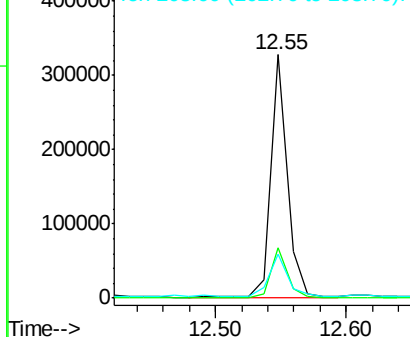
Lab File: BF087135.D

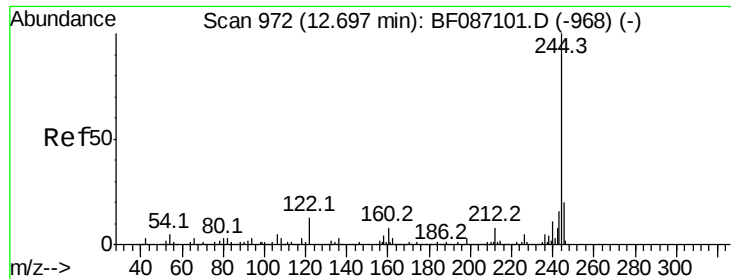
Acq: 18 May 2016 7:07

Tgt Ion:	202	Resp:	288322
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.7	26.5
203	18.0	14.2	21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.12 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

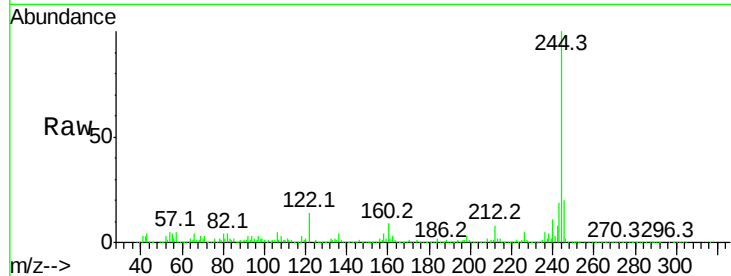
ClientSampleId :

PITT-2-N-EAST

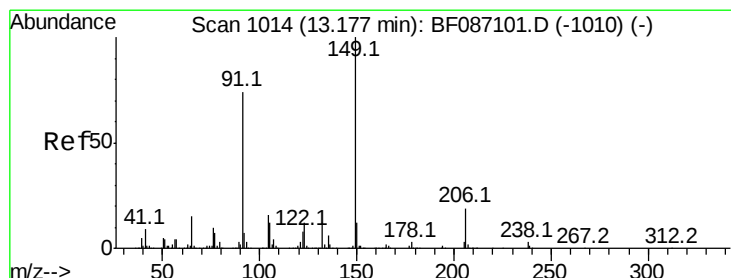
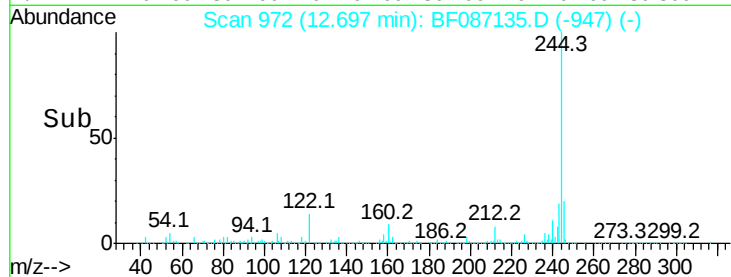
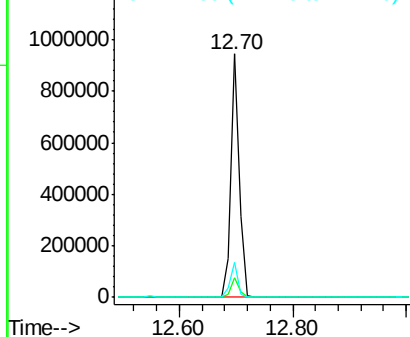
Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.0	6.2	9.2	
122	14.3	12.0	18.0	

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 16.49 ng

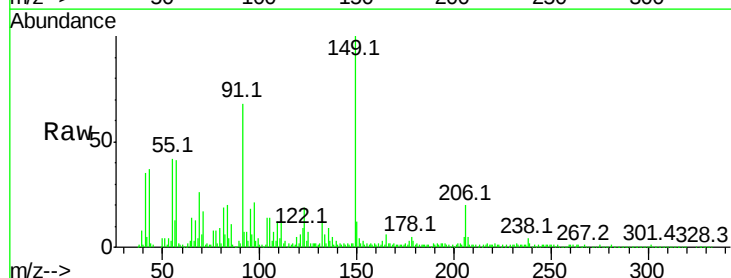
RT: 13.18 min Scan# 1014

Delta R.T. -0.01 min

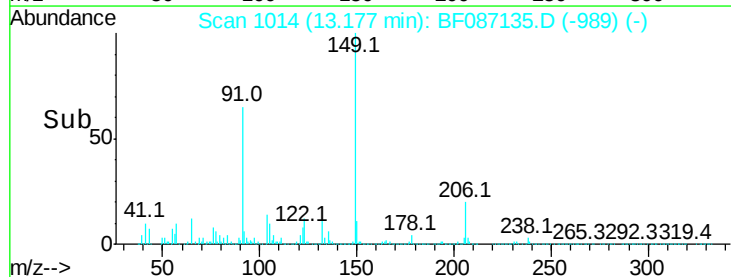
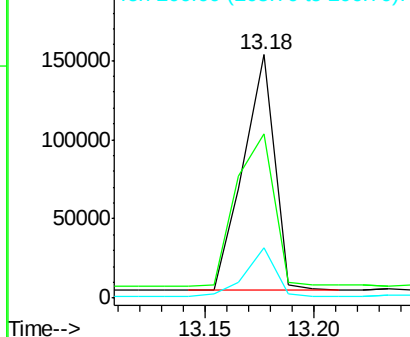
Lab File: BF087135.D

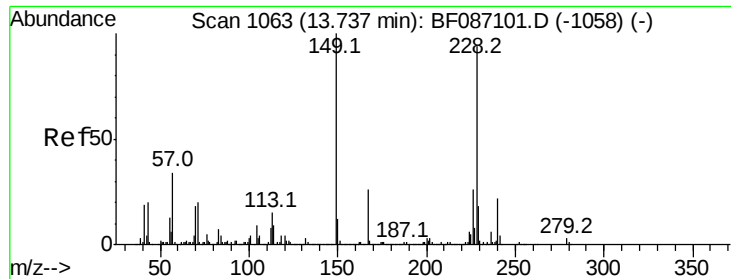
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	67.5	48.0	72.0	
206	20.4	15.8	23.6	



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E





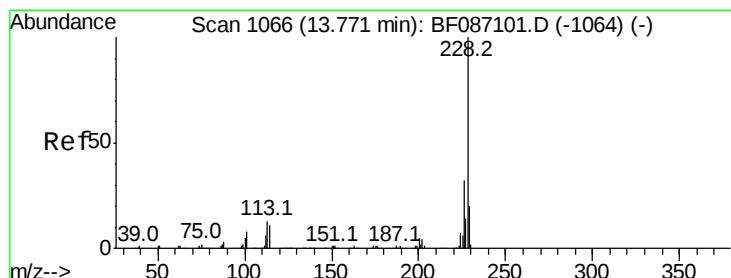
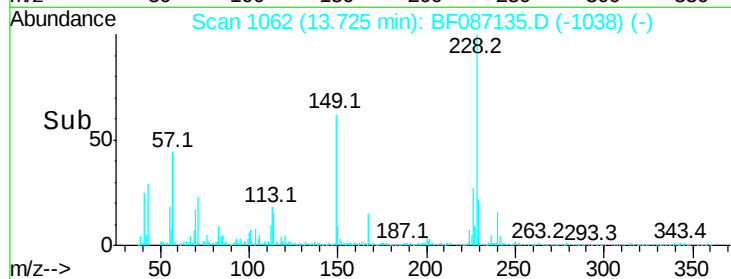
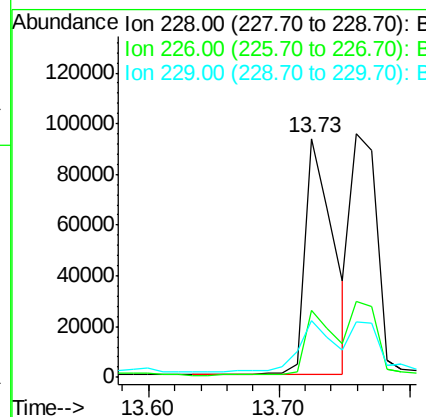
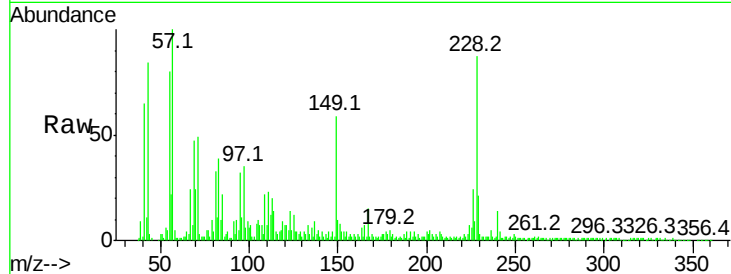
#80
Benzo(a)anthracene
Concen: 8.12 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	24.0	16.6	25.0

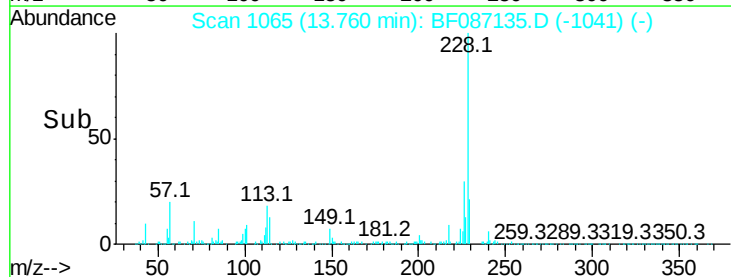
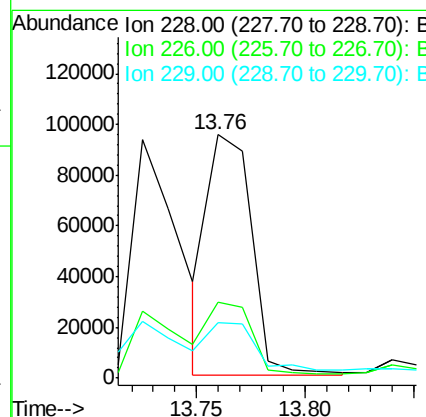
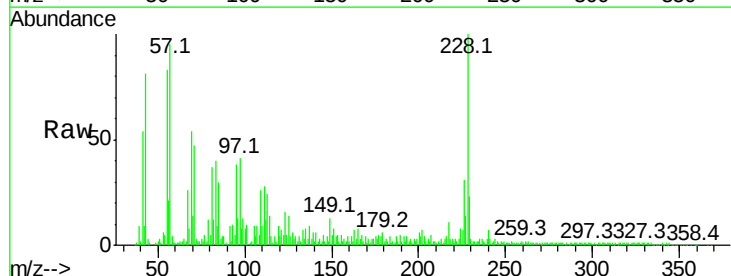
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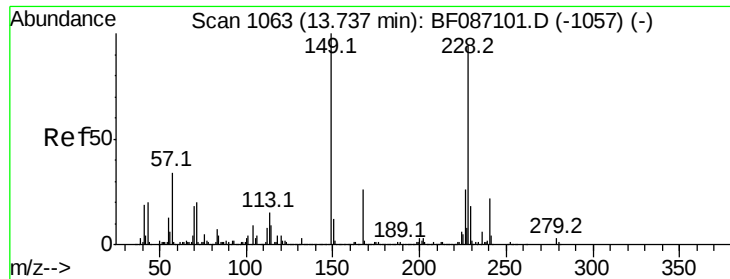
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#82
Chrysene
Concen: 7.92 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.4	36.6
229	22.6	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 18.87 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

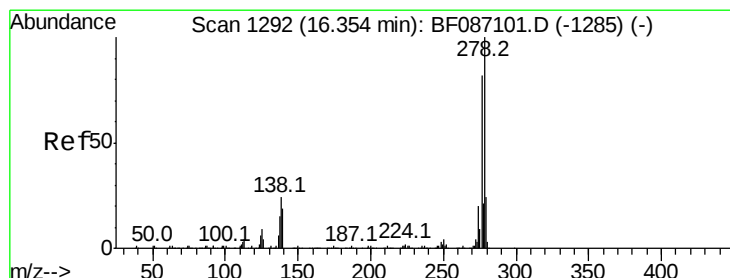
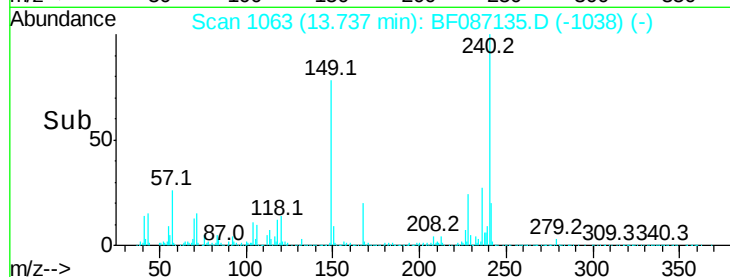
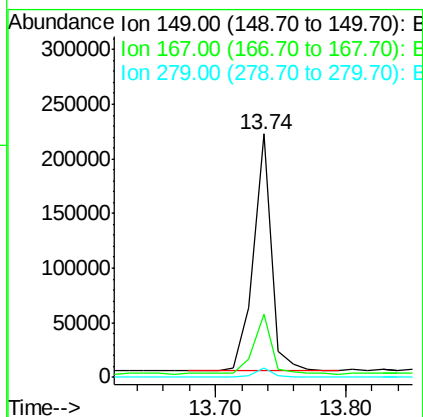
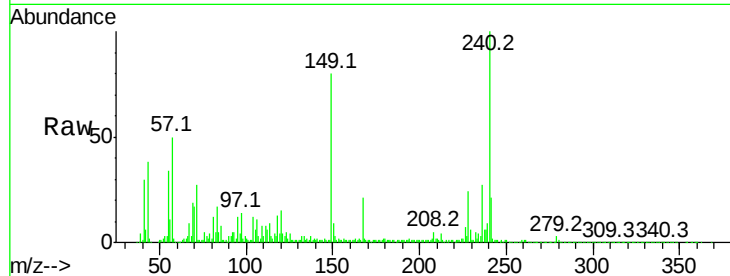
ClientSampleId :

PITT-2-N-EAST

Tot Ion:	149	Resp:	208094
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.8	32.6
279	3.6	2.6	4.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.70 ng

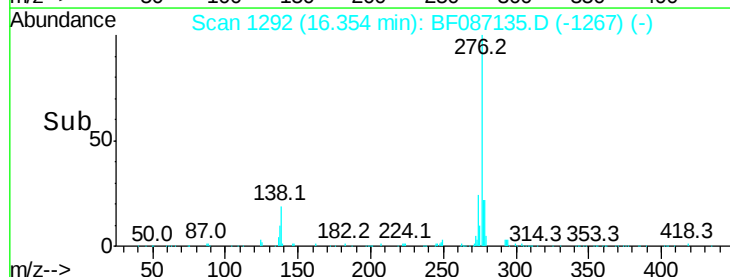
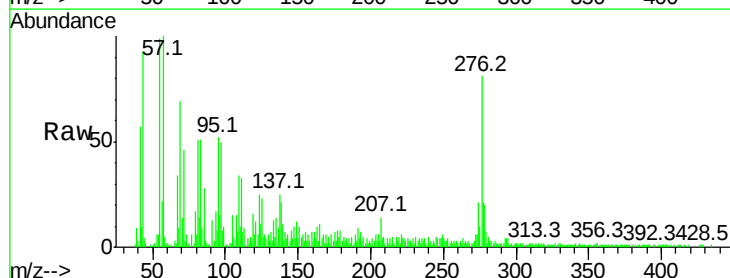
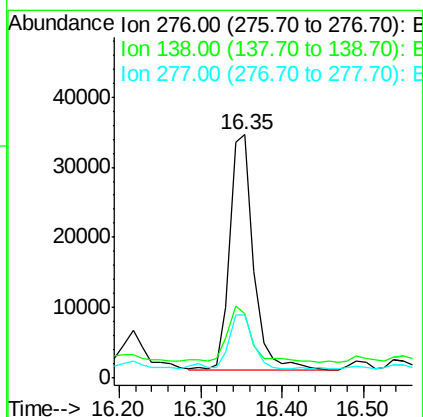
RT: 16.35 min Scan# 1292

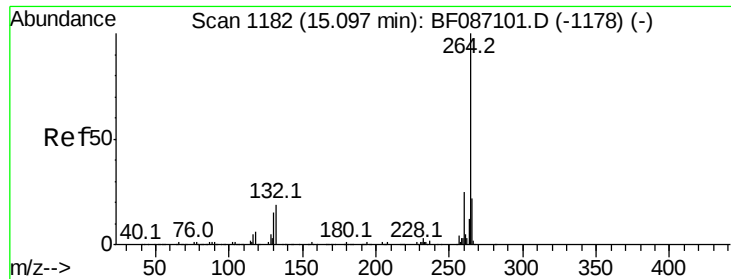
Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Tgt Ion:	276	Resp:	68491
Ion Ratio	Lower	Upper	
276	100		
138	23.7	25.6	38.4#
277	23.8	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

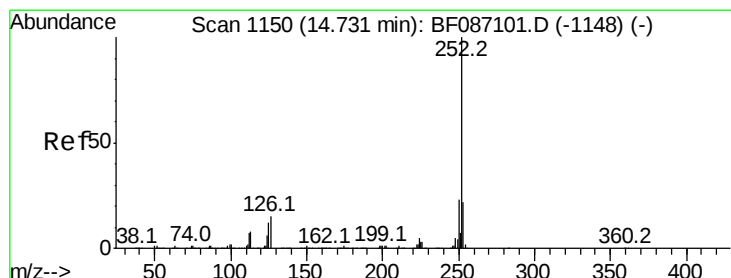
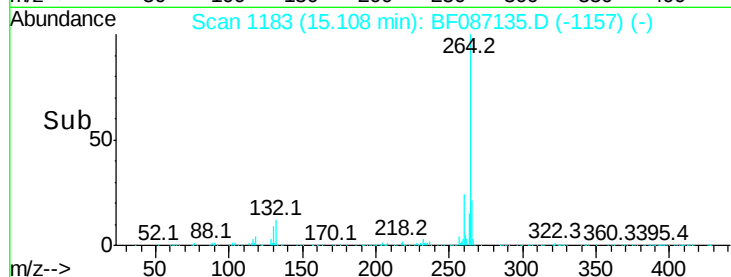
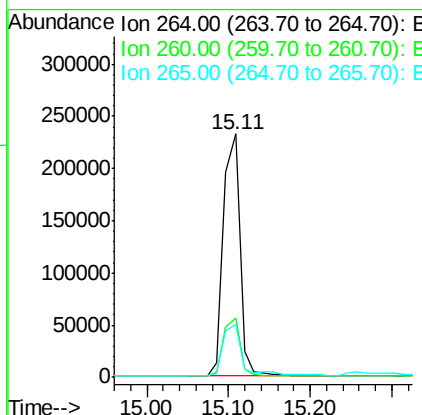
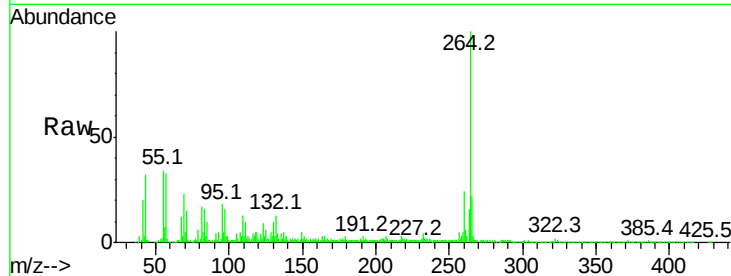
ClientSampleId :

PITT-2-N-EAST

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.3	19.5	29.3	
265	21.7	17.3	25.9	

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#87

Benzo(b)fluoranthene

Concen: 10.39 ng m

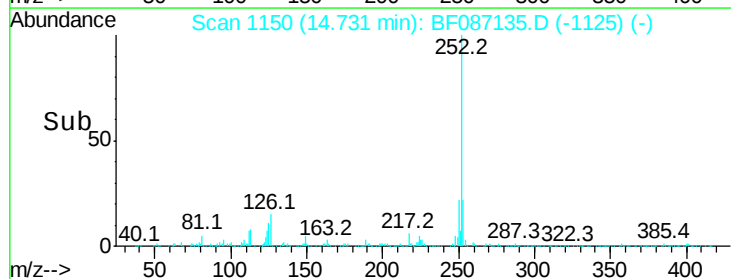
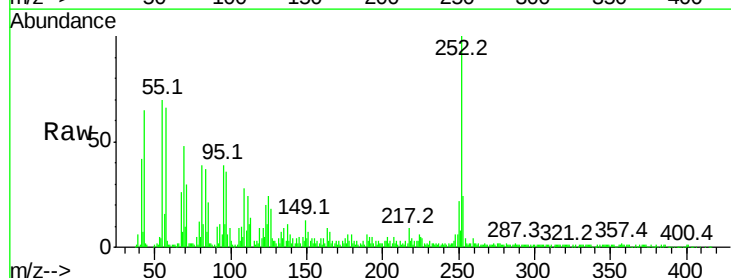
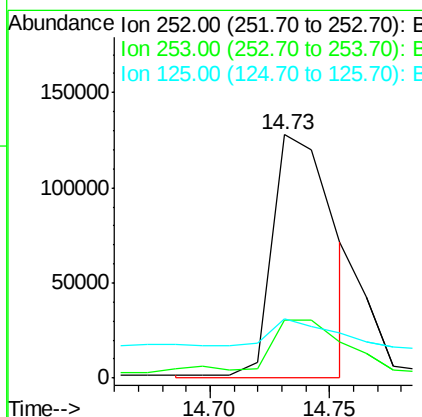
RT: 14.73 min Scan# 1150

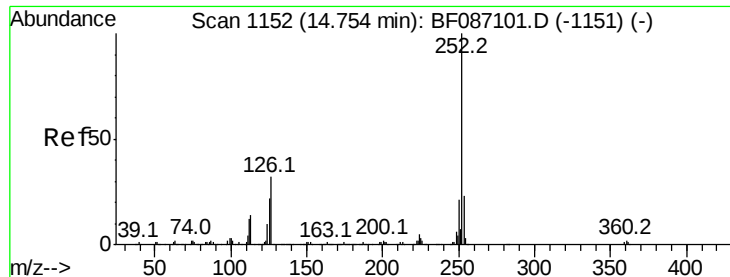
Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.8	17.8	26.6	
125	24.3	11.4	17.0	





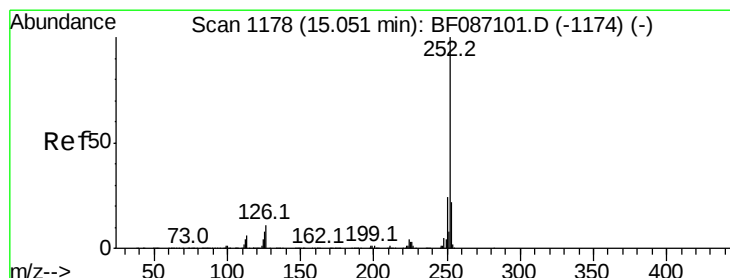
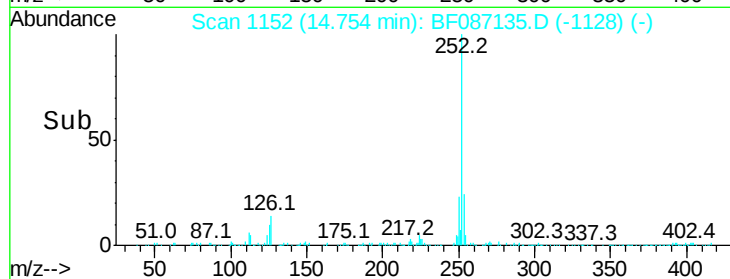
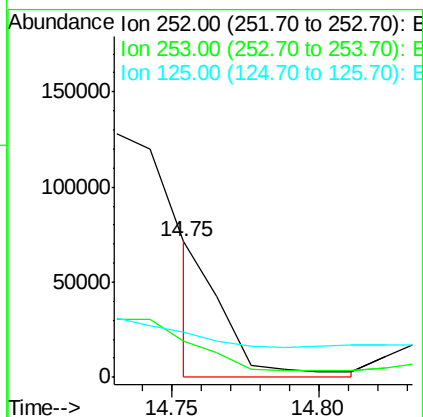
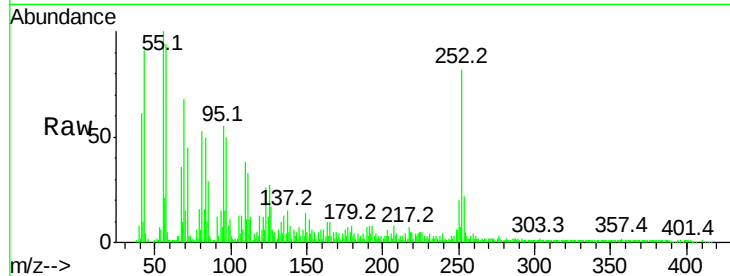
#88
Benzo(k)fluoranthene
Concen: 2.50 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.6
125	33.0	9.1	13.7

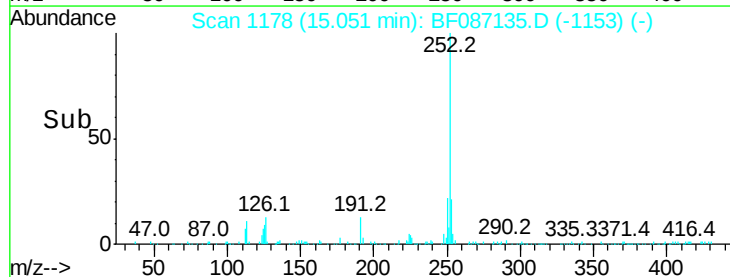
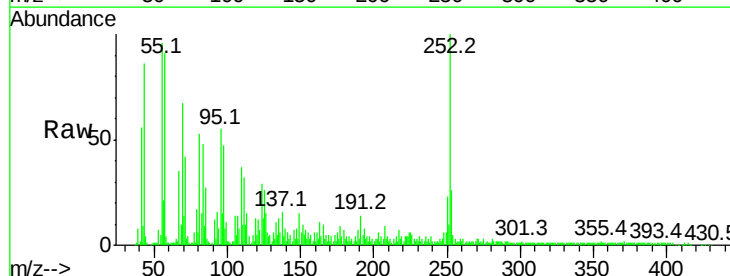
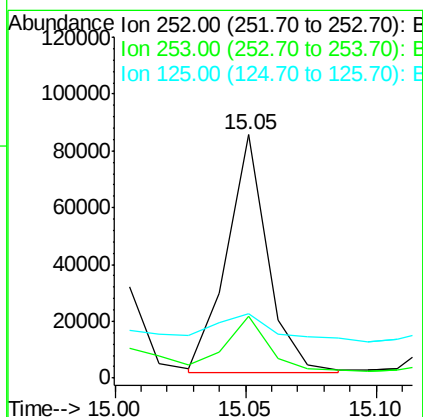
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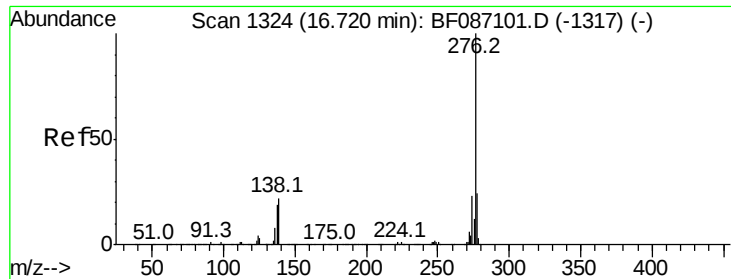
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#89
Benzo(a)pyrene
Concen: 5.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	26.3	9.0	13.6





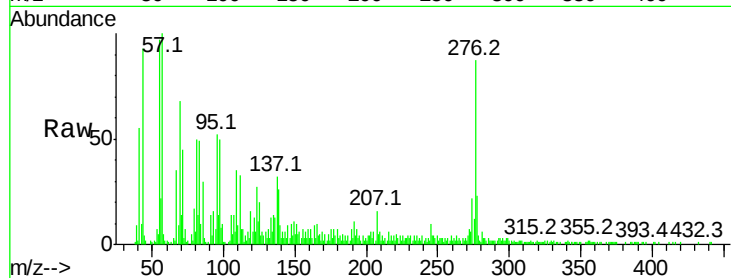
#91
 Benzo(a,h,i)perylene
 Concen: 4.20 ng
 RT: 16.72 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: BF087135.D
 Acq: 18 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 PITT-2-N-EAST

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.6	29.4
138	30.1	23.6	35.4

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

