

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087072.D
 Acq On : 15 May 2016 16:26
 Operator : UM/SJ
 Sample : H3038-05
 Misc :
 ALS Vial : 91 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: May 16 17:16:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 16 05:03:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	132803	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	500381	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	210716	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	326861	20.00	ng	0.00
75) Chrysene-d12	13.76	240	284897	20.00	ng	0.00
86) Perylene-d12	15.13	264	276602	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1131475	144.29	ng	0.01
7) Phenol-d6	6.30	99	1593481	152.04	ng	0.01
23) Nitrobenzene-d5	7.19	82	927234	93.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	282824	126.78	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1374638	109.64	ng	0.00
78) Terphenyl-d14	12.72	244	977130	72.77	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	215519	13.41	ng	100
70) Phenanthrene	11.15	178	97885	5.61	ng	98
74) Fluoranthene	12.35	202	309797	17.27	ng	95
77) Pyrene	12.57	202	276327	12.67	ng	99
79) Butylbenzylphthalate	13.20	149	142950	15.49	ng	92
80) Benzo(a)anthracene	13.75	228	131569	8.23	ng	96
82) Chrysene	13.79	228	127481	7.84	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.76	149	206741	18.63	ng	98
85) Indeno(1,2,3-cd)pyrene	16.39	276	48411	3.58	ng	# 92
87) Benzo(b)fluoranthene	14.77	252	186524m	10.38	ng	
88) Benzo(k)fluoranthene	14.78	252	36339m	2.47	ng	
89) Benzo(a)pyrene	15.07	252	76695	4.95	ng	# 76
91) Benzo(g,h,i)perylene	16.77	276	46793	3.52	ng	94

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

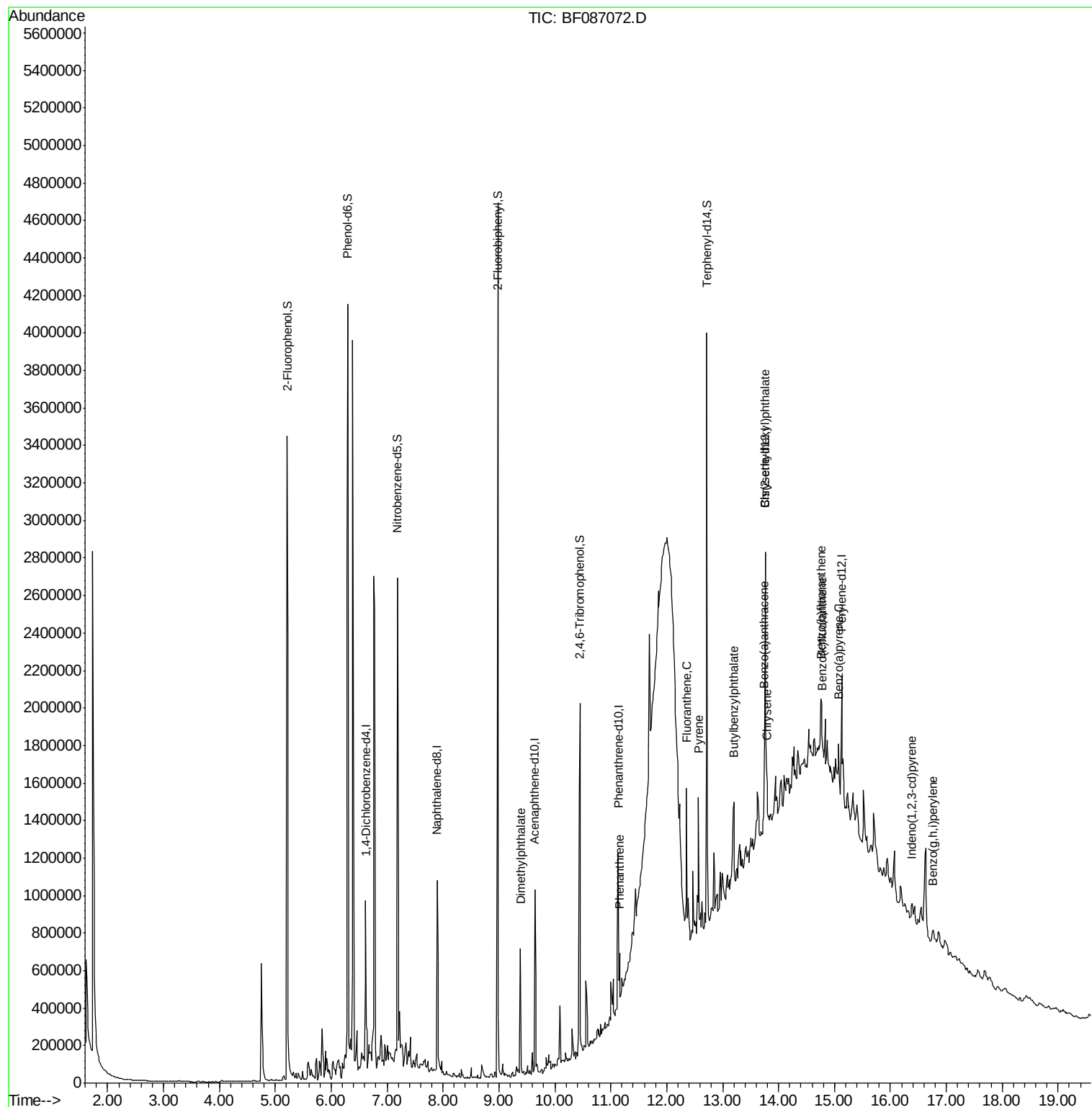
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087072.D
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Sample : H3038-05
Misc :
ALS Vial : 91 Sample Multiplier: 1

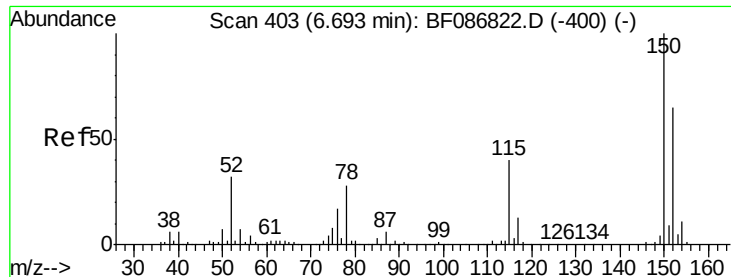
Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

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Quant Time: May 16 17:16:06 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

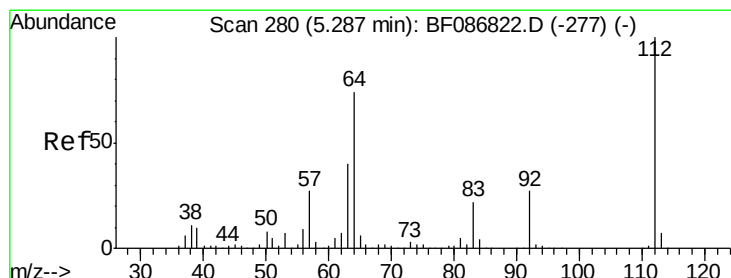
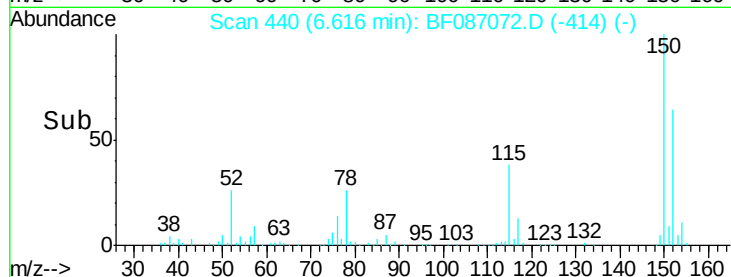
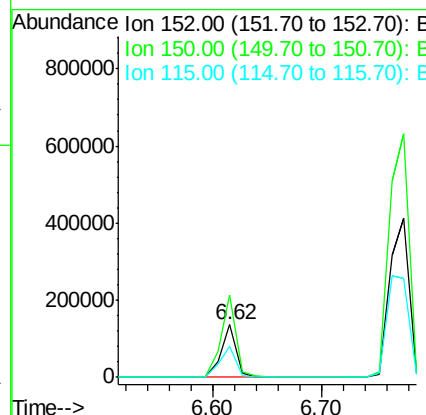
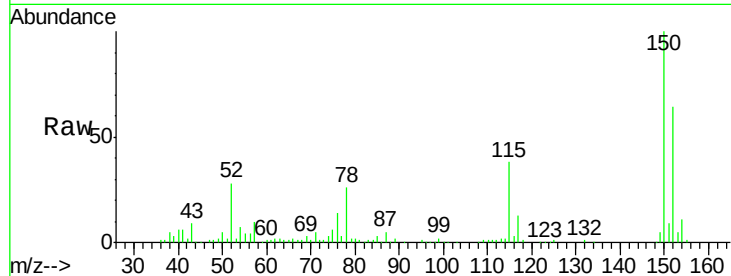
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	132803		
150	155.9	125.8	188.6	
115	59.8	51.5	77.3	

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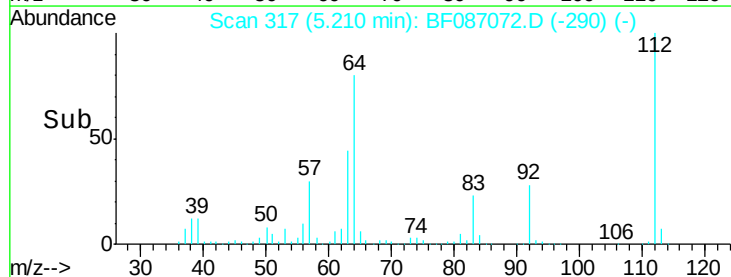
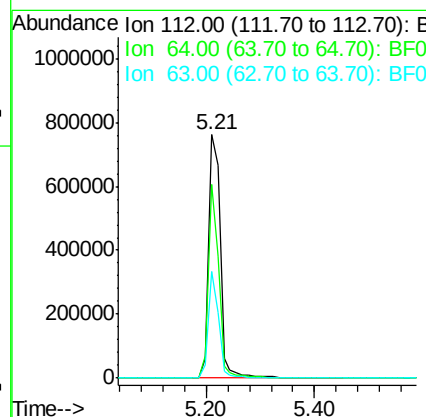
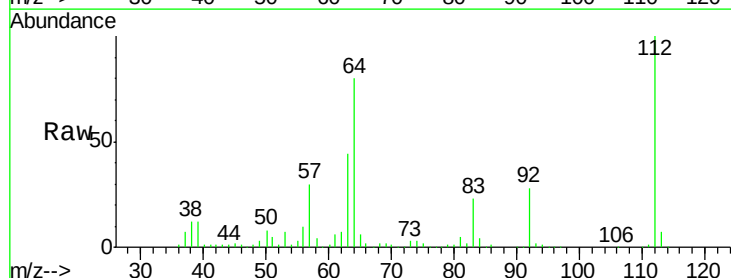
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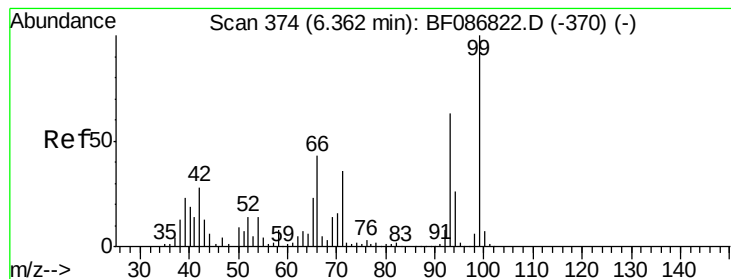


#5

2-Fluorophenol
Concen: 144.29 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.01 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1131475		
64	79.8	52.1	78.1#	
63	43.8	25.7	38.5#	





#7

Phenol-d6

Concen: 152.04 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

Tgt Ion: 99 Resp: 1593481

Ion Ratio Lower Upper

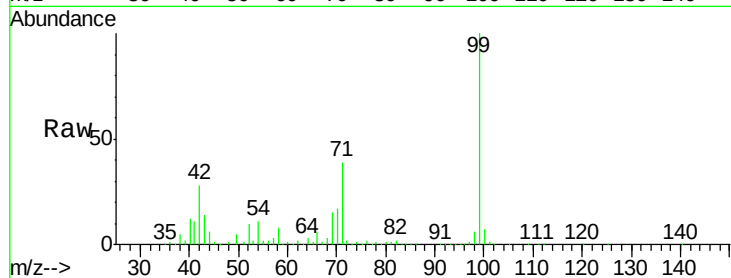
99 100

42 28.1 13.6 20.4#

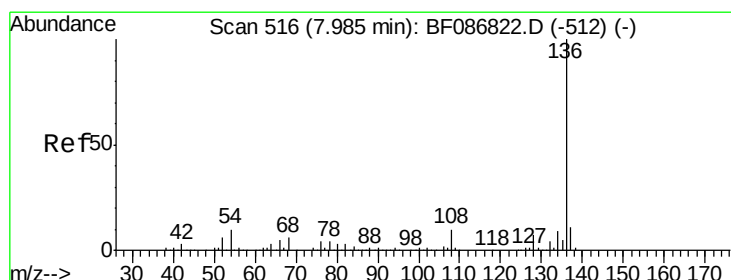
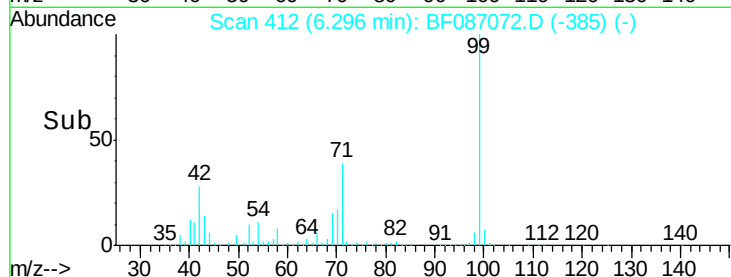
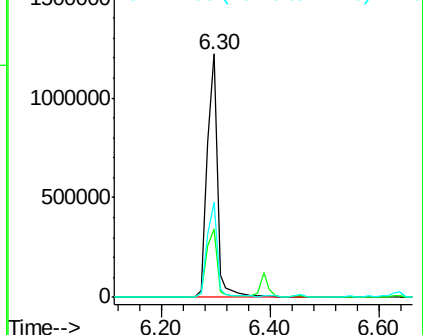
71 39.1 24.6 36.8#

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Tgt Ion: 136 Resp: 500381

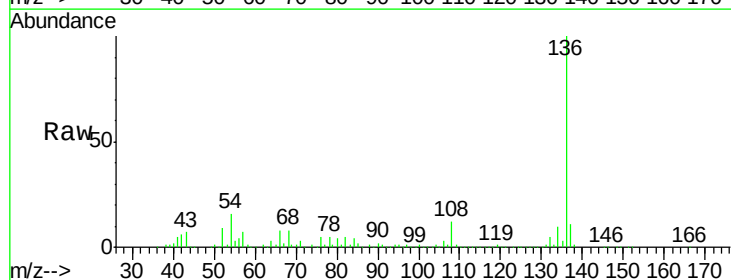
Ion Ratio Lower Upper

136 100

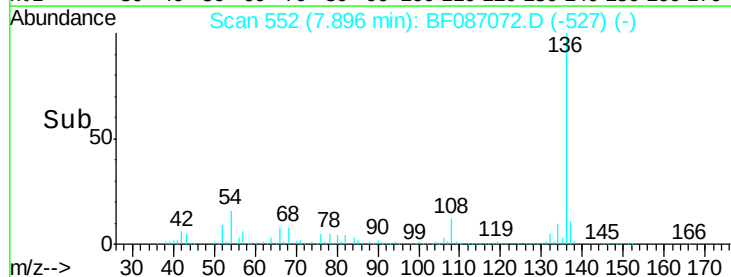
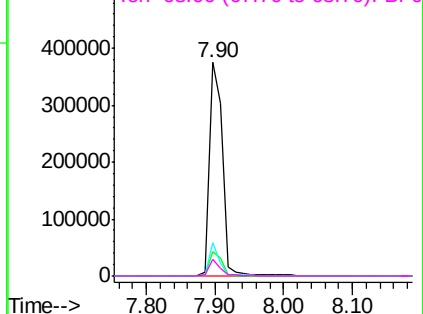
137 11.2 8.8 13.2

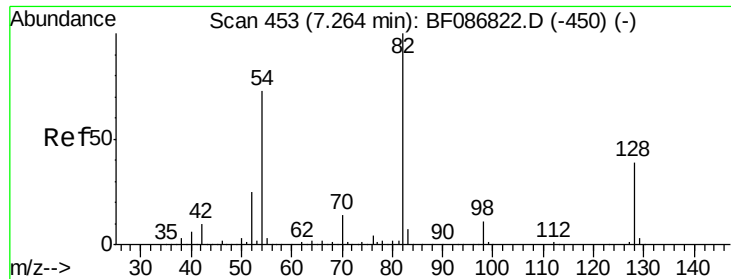
54 15.8 5.0 7.4#

68 8.0 4.4 6.6#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





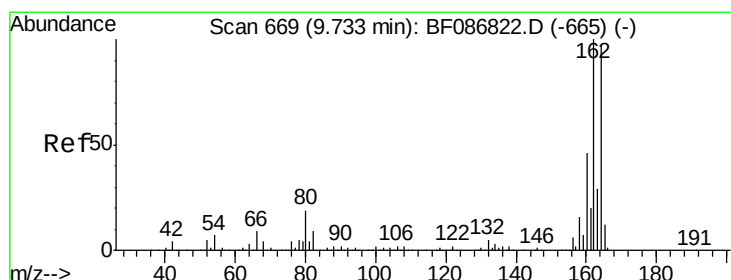
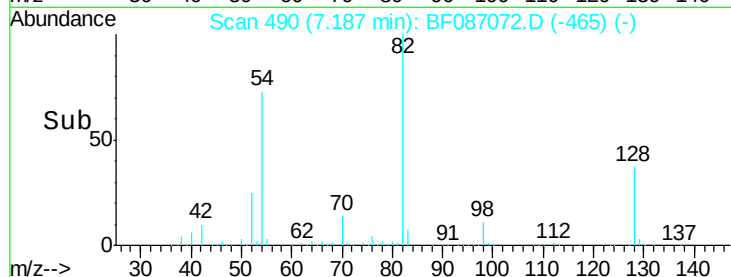
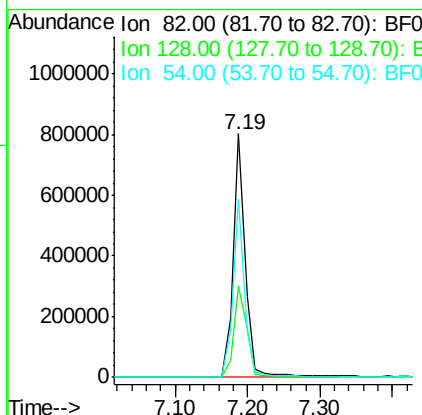
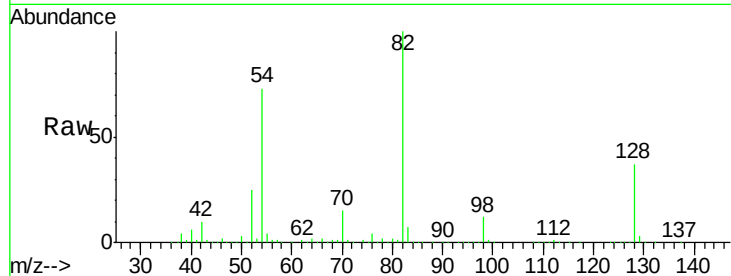
#23
 Nitrobenzene-d5
 Concen: 93.05 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	927234		
128	37.3	40.6	61.0#	
54	73.1	38.1	57.1#	

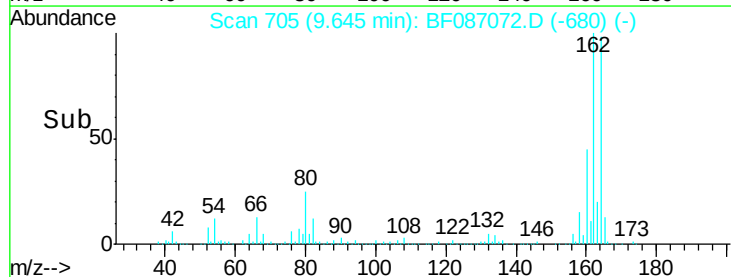
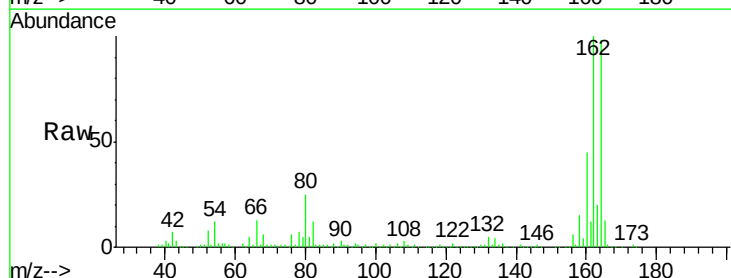
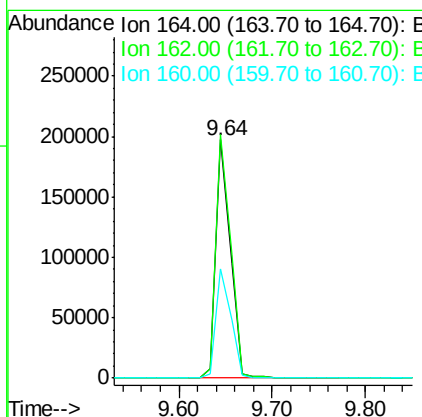
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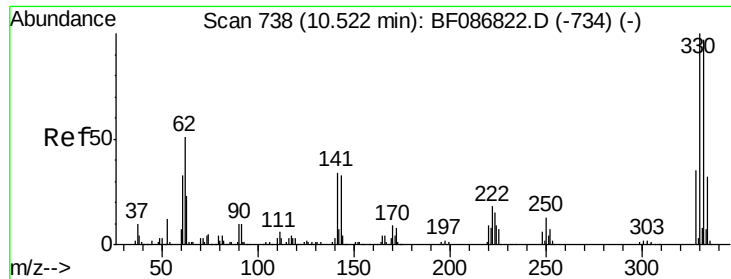
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210716		
162	102.2	82.8	124.2	
160	46.0	36.9	55.3	





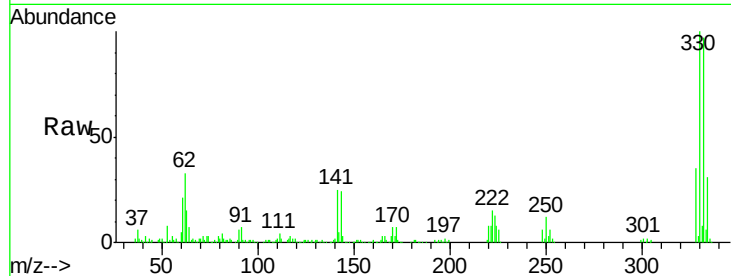
#41
 2,4,6-Tribromophenol
 Concen: 126.78 ng
 RT: 10.44 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

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

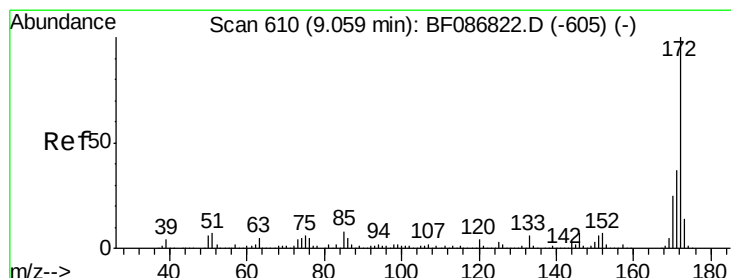
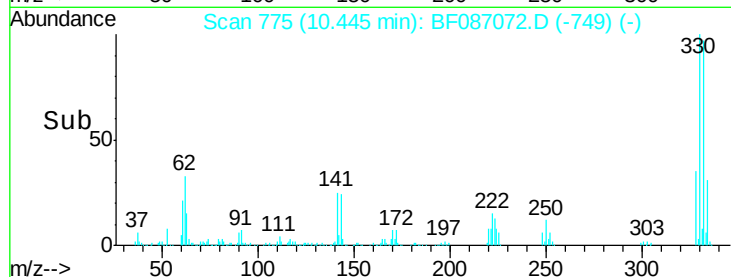
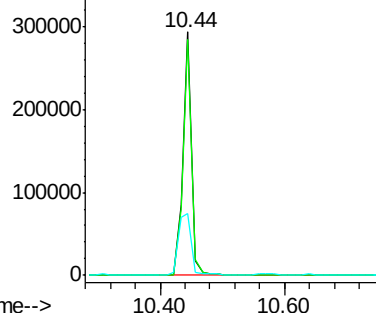
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	282824		
332	96.9	79.0	118.4	
141	36.7	31.2	46.8	

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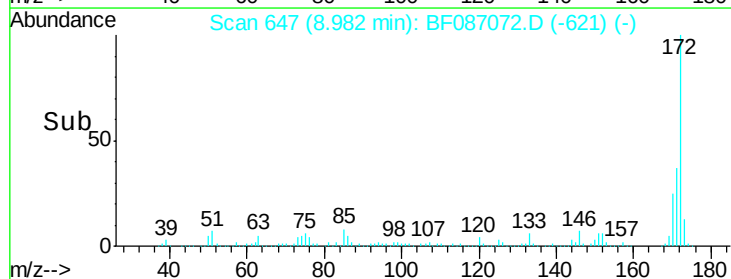
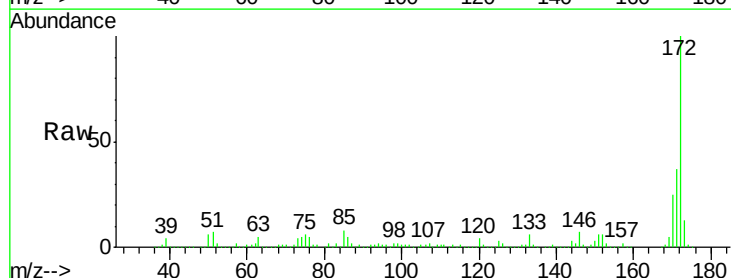
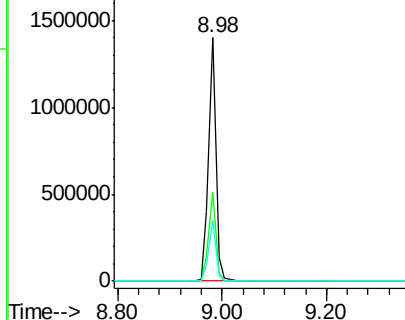
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

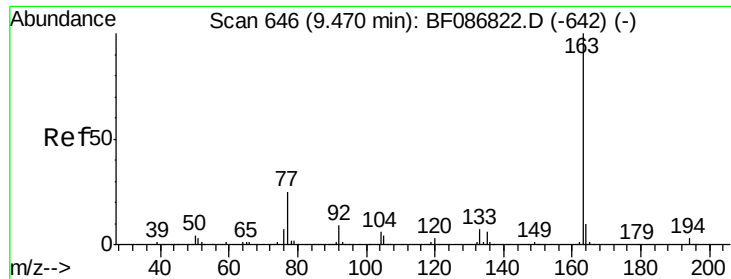


#44
 2-Fluorobiphenyl
 Concen: 109.64 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1374638		
171	36.6	29.0	43.6	
170	24.9	19.8	29.8	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





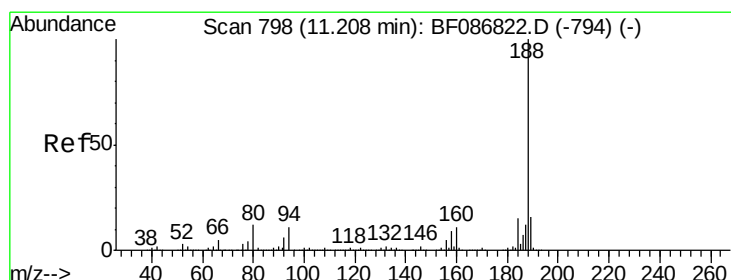
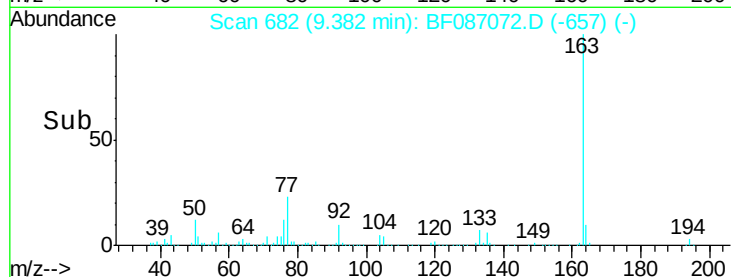
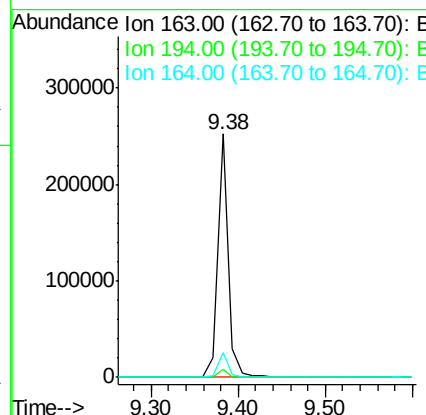
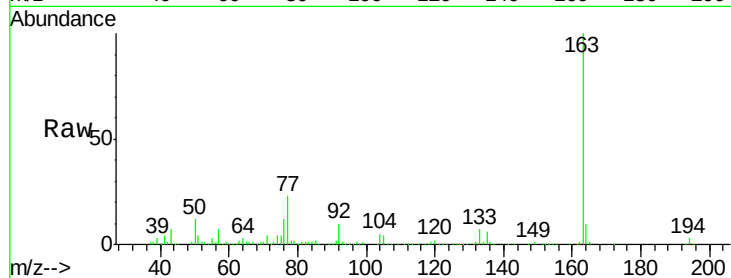
#49
Dimethylphthalate
Concen: 13.41 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	215519		
194	3.3	2.6	4.0	
164	10.3	8.2	12.4	

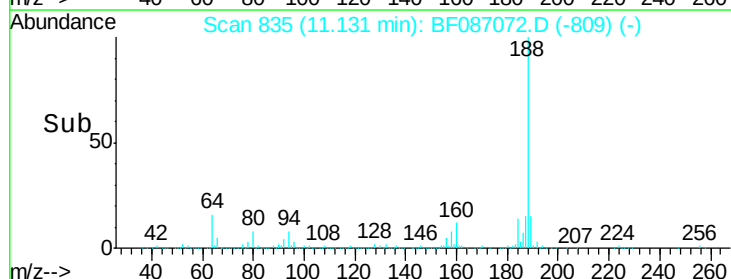
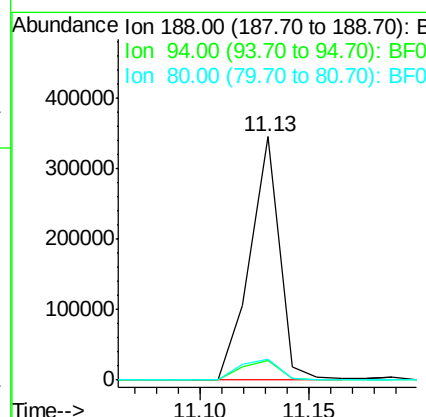
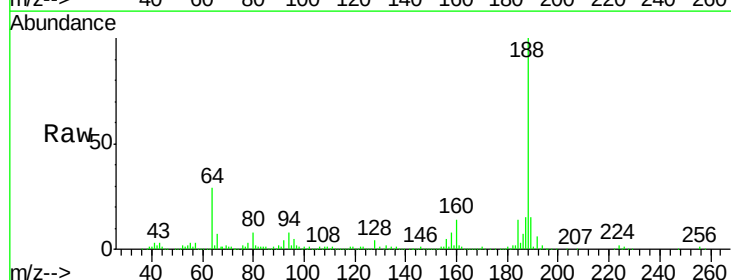
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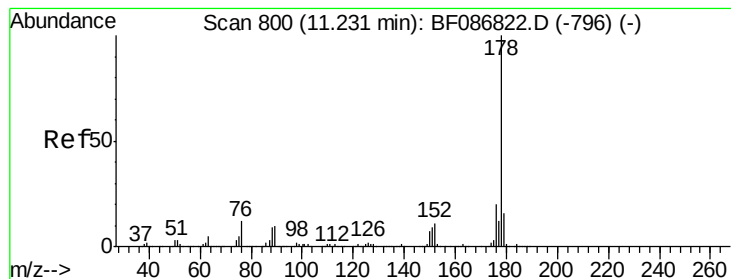
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	326861		
94	7.8	6.8	10.2	
80	8.4	7.1	10.7	





#70

Phenanthrene

Concen: 5.61 ng

RT: 11.15 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF087072.D

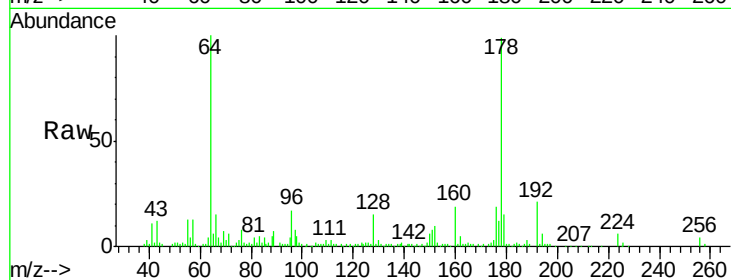
Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST



Tgt Ion:178 Resp: 97885

Ion Ratio Lower Upper

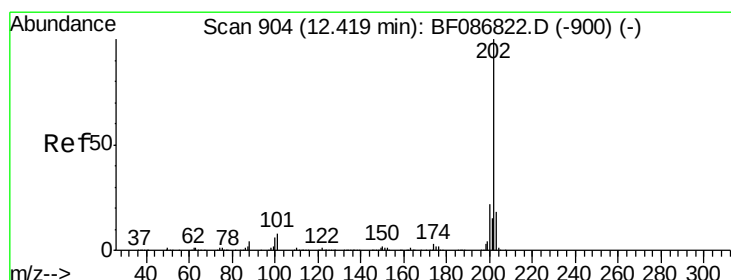
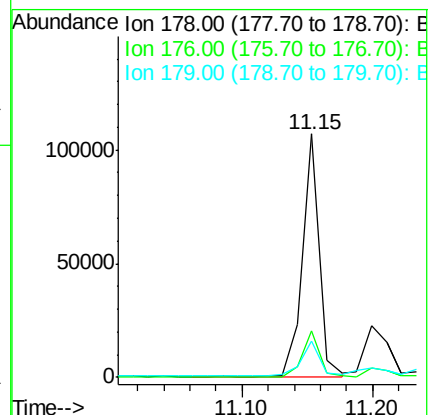
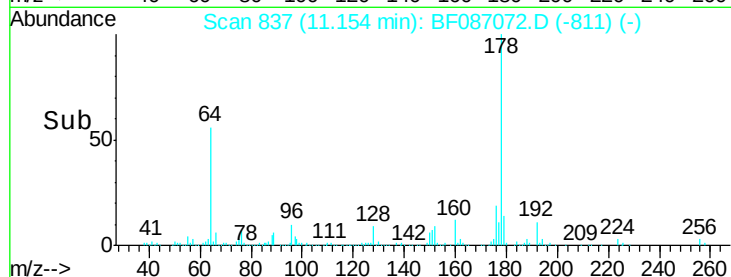
178 100

176 19.0 16.0 24.0

179 15.1 12.6 18.8

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#74

Fluoranthene

Concen: 17.27 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.02 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

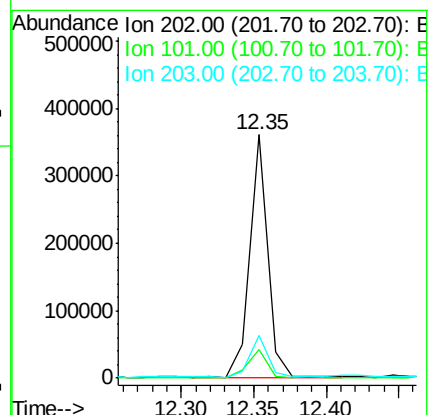
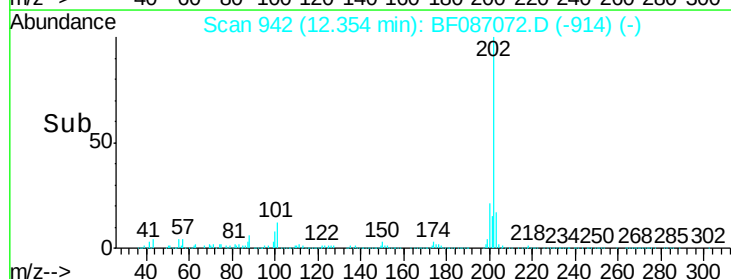
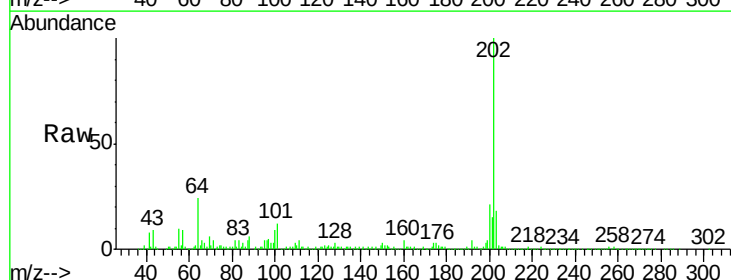
Tgt Ion:202 Resp: 309797

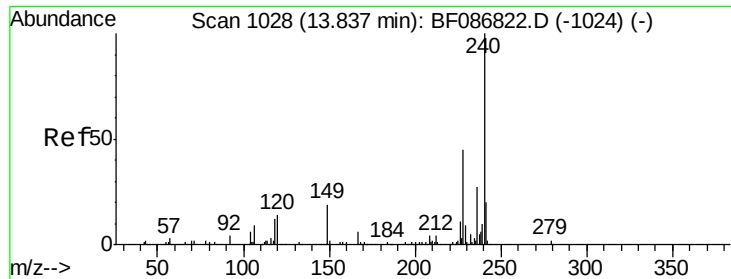
Ion Ratio Lower Upper

202 100

101 11.7 0.0 35.4

203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

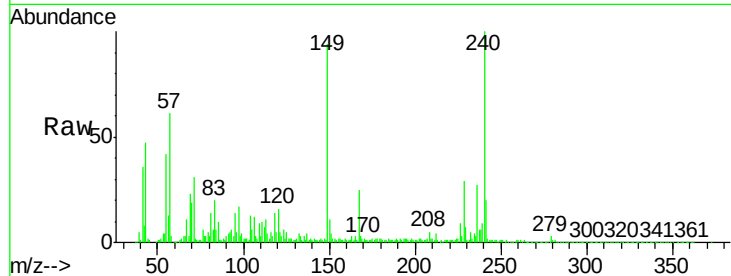
ClientSampleId :

PITT-2-N-EAST

Tgt Ion:	240	Resp:	284897
Ion Ratio	Lower	Upper	
240	100		
120	15.8	11.2	16.8
236	27.0	21.2	31.8

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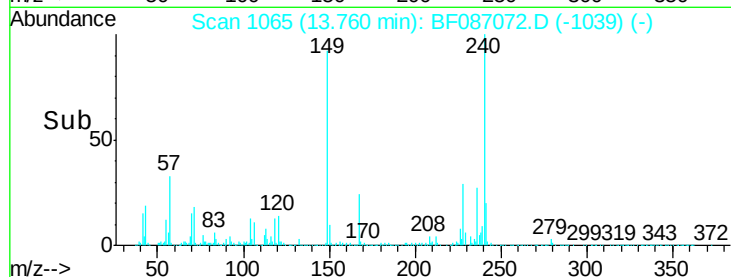


Abundance Ion 240.00 (239.70 to 240.70): E

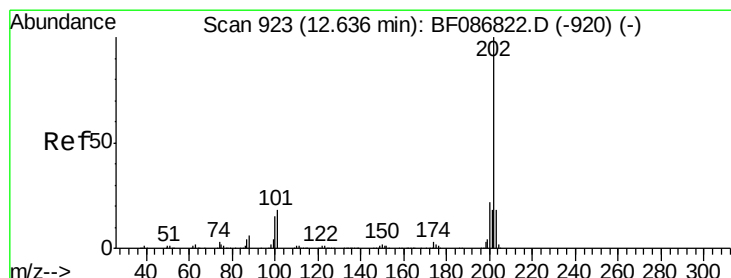
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Pyrene

Concen: 12.67 ng

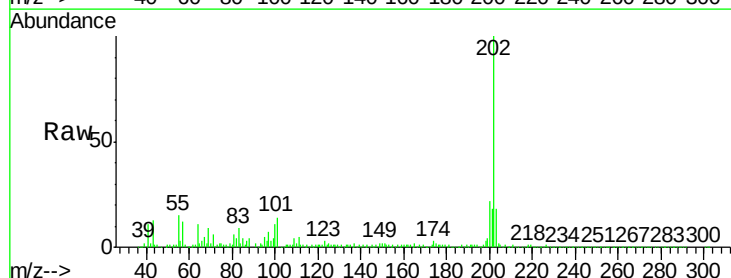
RT: 12.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Tgt Ion:	202	Resp:	276327
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	18.1	14.2	21.4

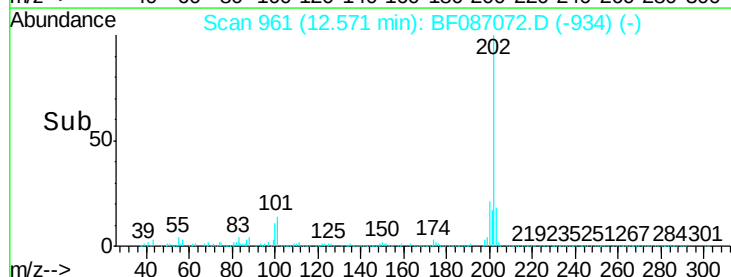


Abundance Ion 202.00 (201.70 to 202.70): E

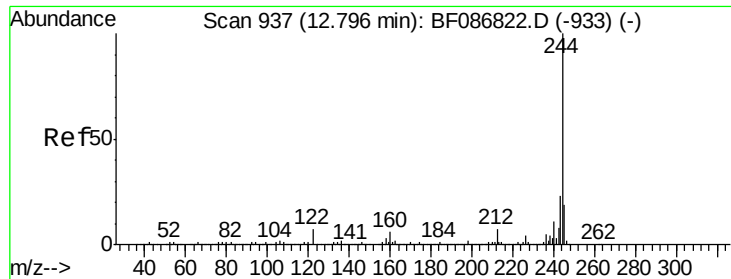
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 72.77 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

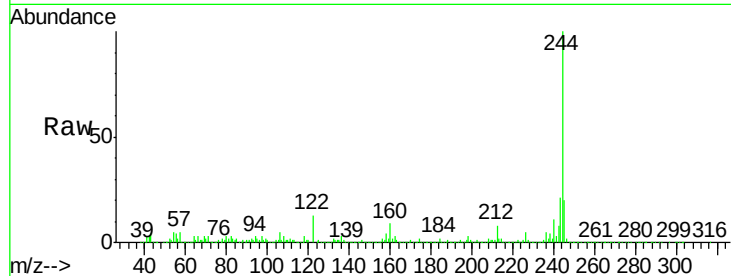
ClientSampleId :

PITT-2-N-EAST

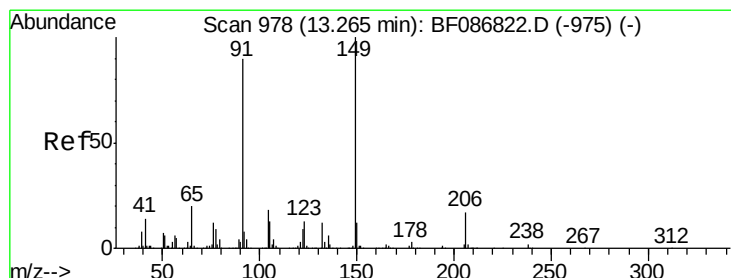
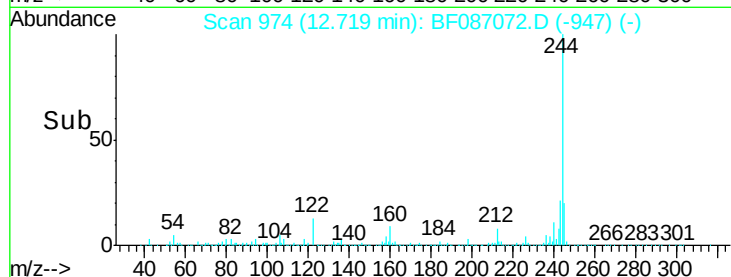
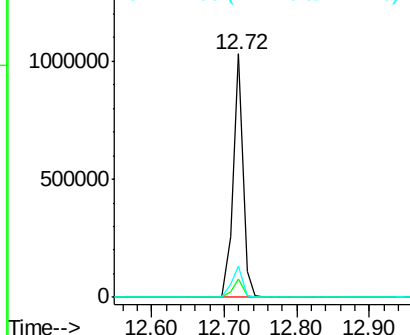
Tgt Ion:	244	Resp:	977130
Ion Ratio		Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.7	12.0	18.0

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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: 15.49 ng

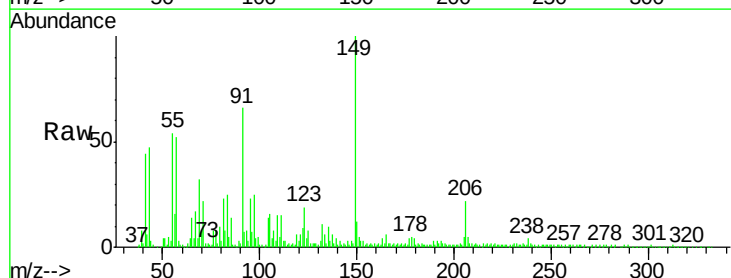
RT: 13.20 min Scan# 1016

Delta R.T. 0.01 min

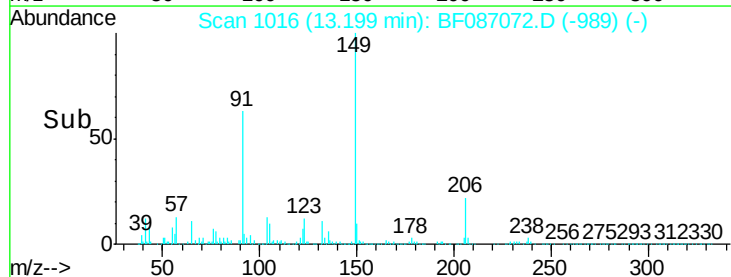
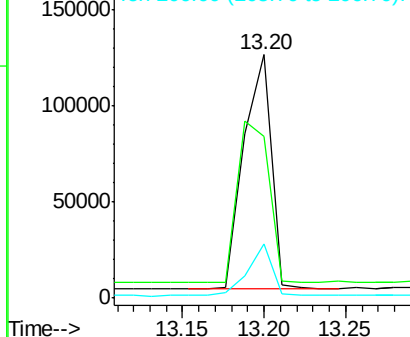
Lab File: BF087072.D

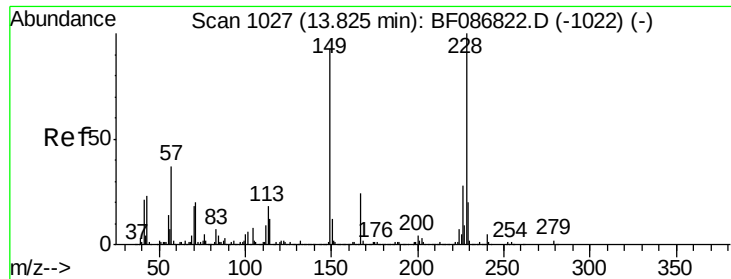
Acq: 15 May 2016 16:26

Tgt Ion:	149	Resp:	142950
Ion Ratio		Lower	Upper
149	100		
91	66.5	48.0	72.0
206	22.3	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





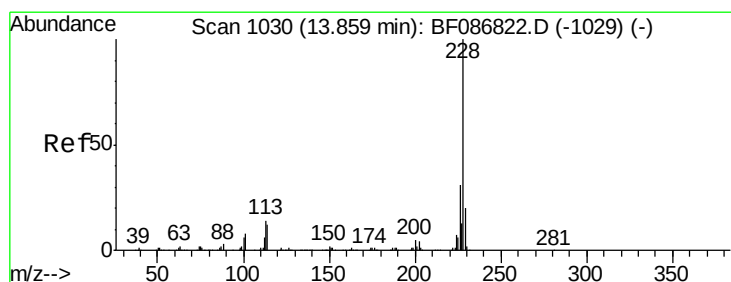
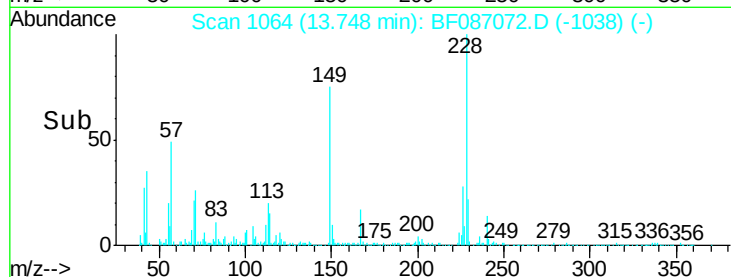
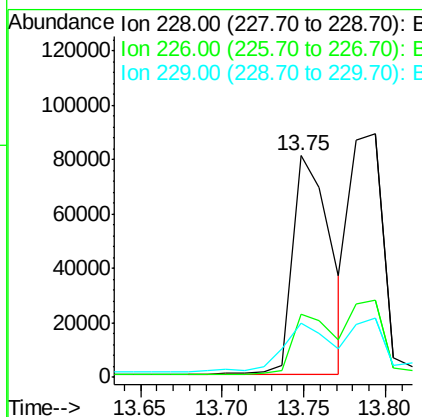
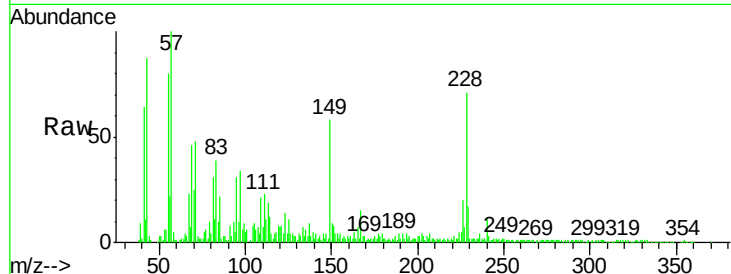
#80
Benzo(a)anthracene
Concen: 8.23 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	24.3	16.6	25.0

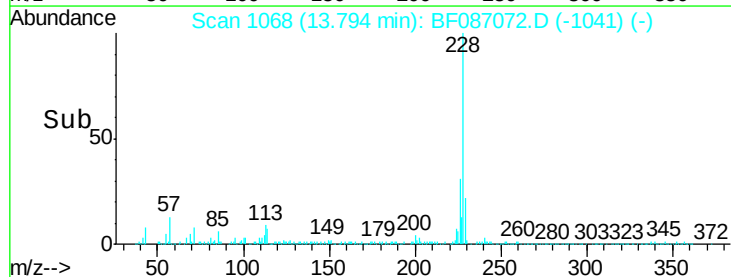
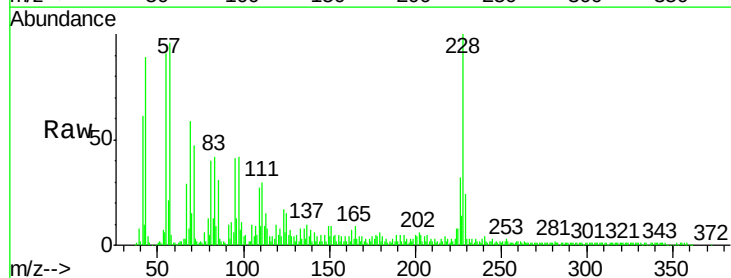
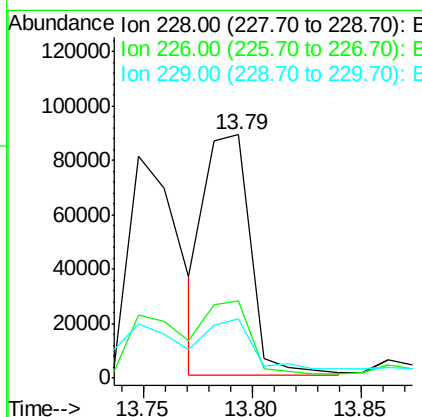
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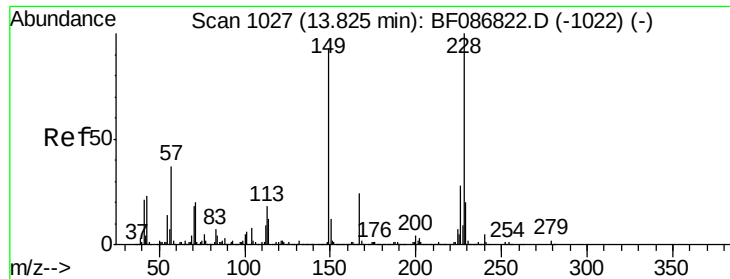
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#82
Chrysene
Concen: 7.84 ng
RT: 13.79 min Scan# 1068
Delta R.T. 0.01 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.4	36.6
229	24.3	15.8	23.8





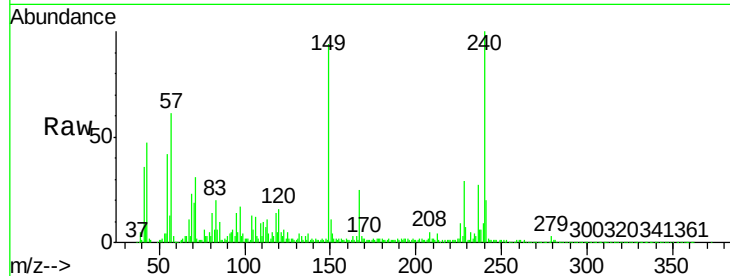
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 18.63 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.01 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

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

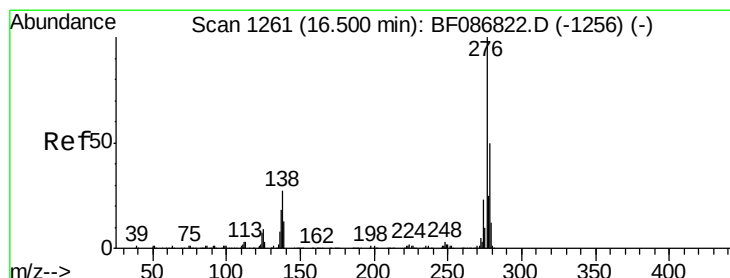
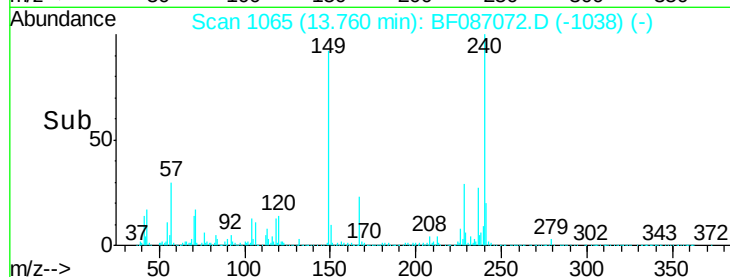
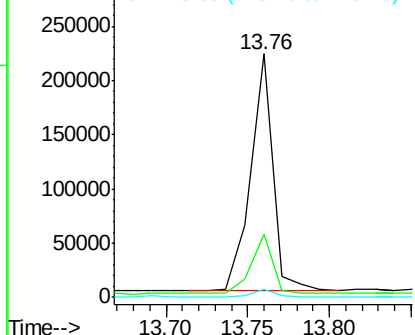
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	206741		
167	26.1	21.8	32.6	
279	3.3	2.6	4.0	

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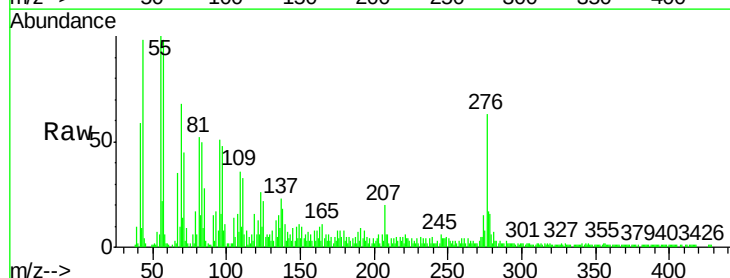


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

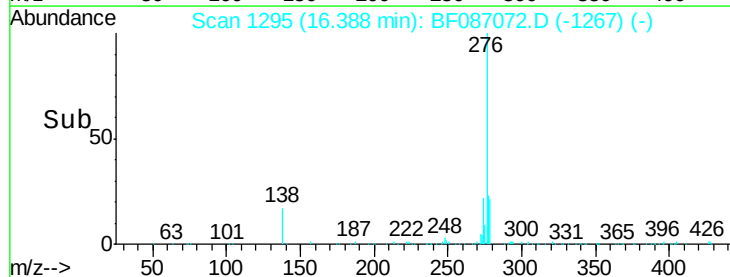
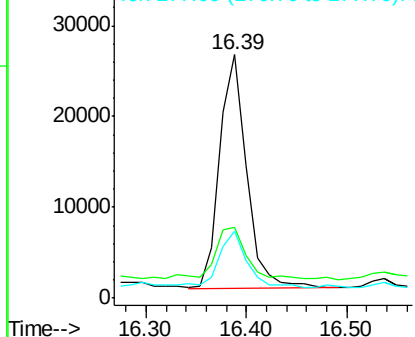


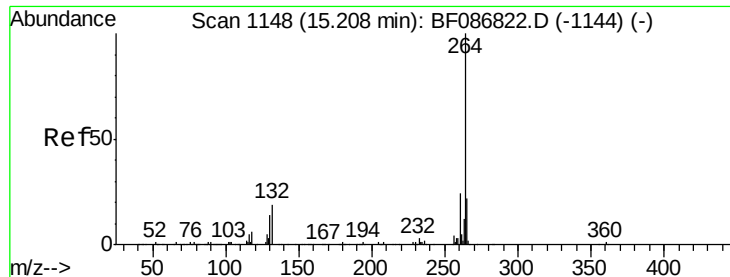
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.58 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. 0.02 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	48411		
138	23.9	25.6	38.4#	
277	25.5	20.5	30.7	



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





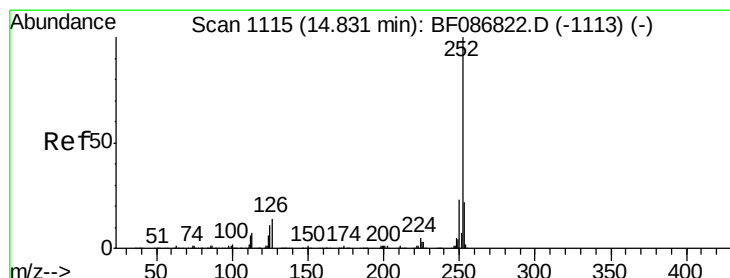
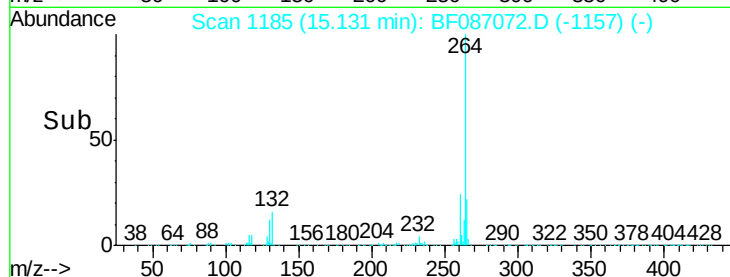
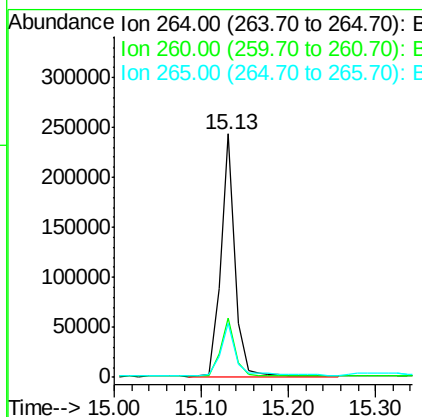
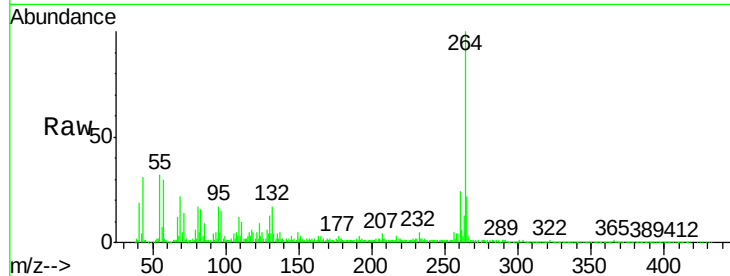
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.02 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	276602		
260	24.4	19.5	29.3	
265	22.1	17.3	25.9	

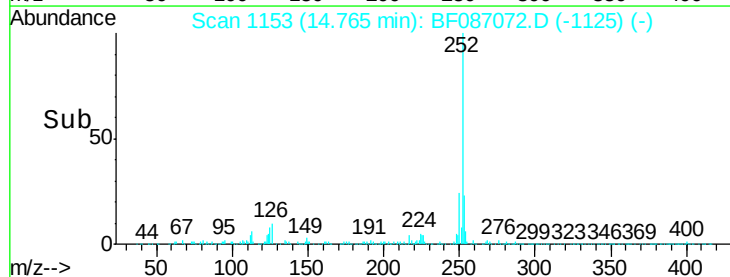
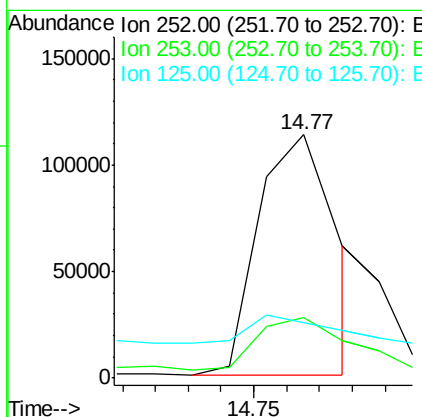
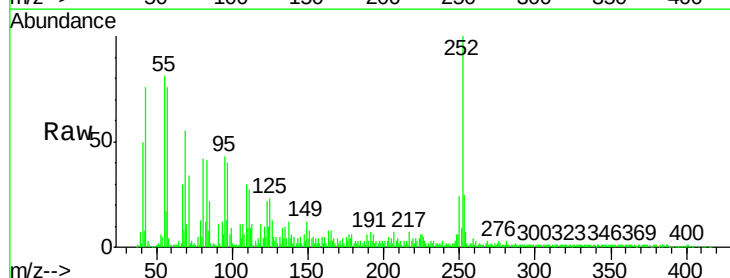
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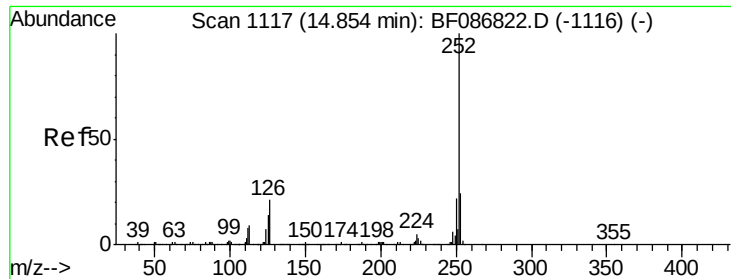
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#87
Benzo(b)fluoranthene
Concen: 10.38 ng m
RT: 14.77 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	186524		
253	24.9	17.8	26.6	
125	22.8	11.4	17.0	





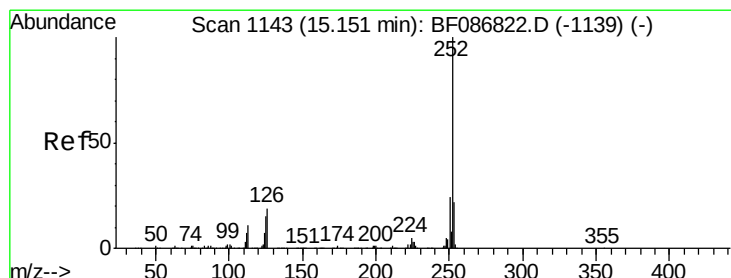
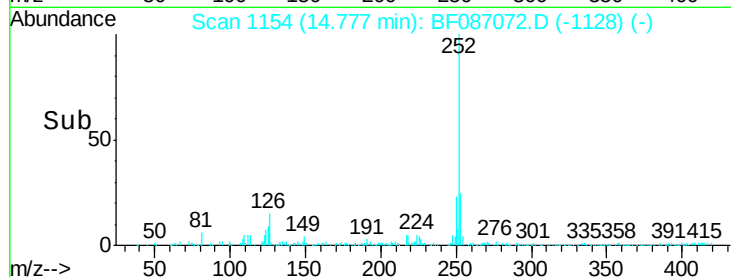
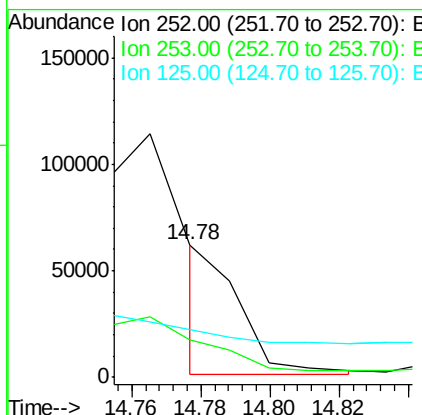
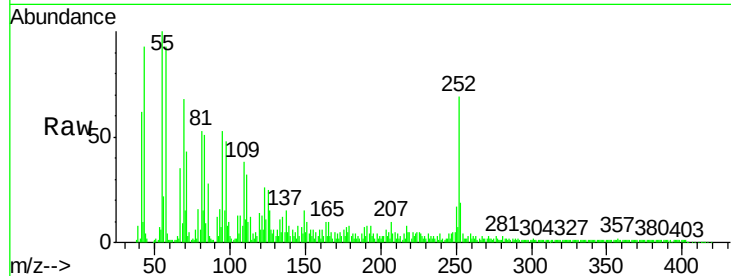
#88
Benzo(k)fluoranthene
Concen: 2.47 ng m
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.8	26.6#
125	35.7	9.1	13.7#

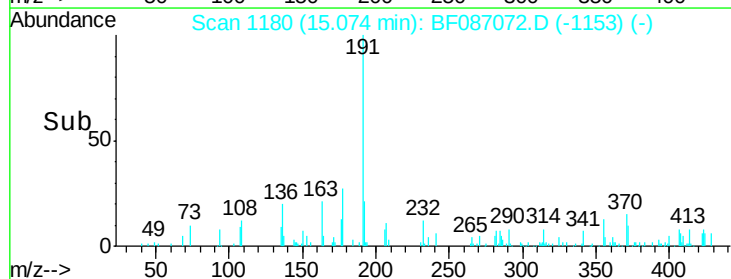
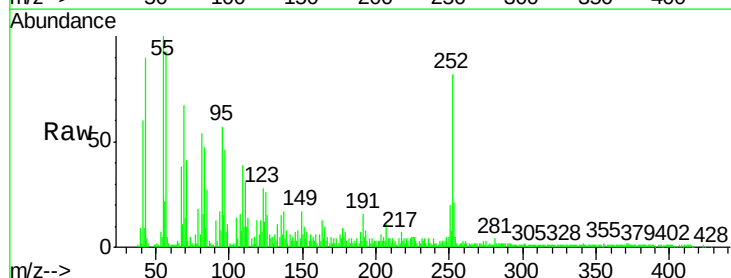
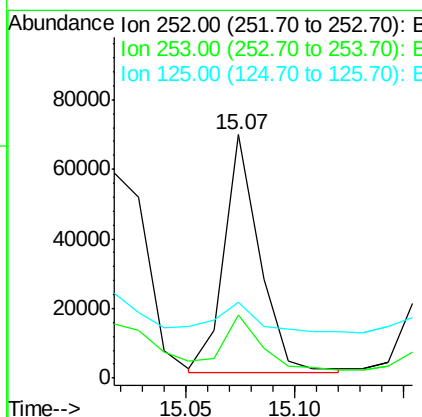
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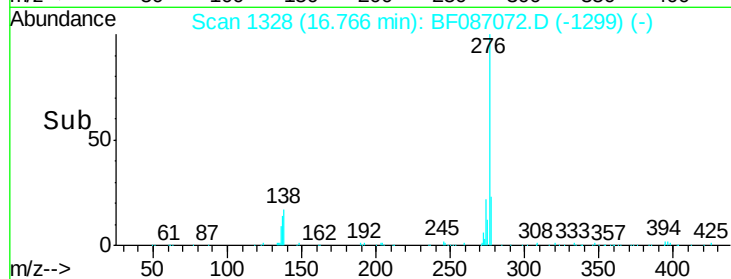
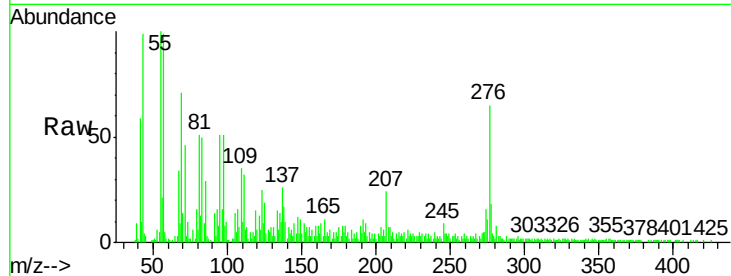
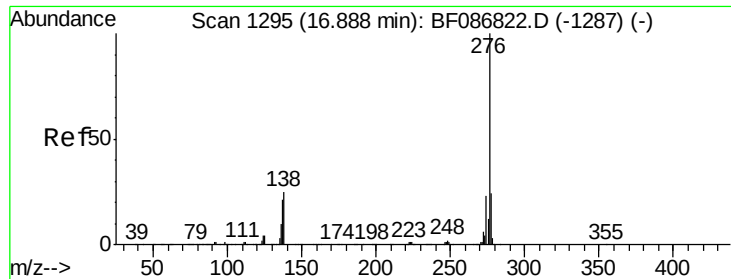
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#89
Benzo(a)pyrene
Concen: 4.95 ng
RT: 15.07 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	31.3	9.0	13.6#





#91
 Benzo(g,h,i)perylene
 Concen: 3.52 ng
 RT: 16.77 min Scan# 1328
 Delta R.T. 0.03 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.6	29.4
138	26.0	23.6	35.4

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