

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087071.D
 Acq On : 15 May 2016 15:57
 Operator : UM/SJ
 Sample : H3038-03
 Misc :
 ALS Vial : 90 Sample Multiplier: 1

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

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Quant Time: May 16 07:06:11 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	130666	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	510964	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	212418	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	331013	20.00	ng	0.00
75) Chrysene-d12	13.76	240	284367	20.00	ng	0.00
86) Perylene-d12	15.13	264	268980	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	865090	112.12	ng	0.01
7) Phenol-d6	6.28	99	1167096	113.18	ng	0.00
23) Nitrobenzene-d5	7.19	82	756996	74.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	226519	100.73	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1189649	94.13	ng	0.00
78) Terphenyl-d14	12.72	244	834078	62.23	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	147235	9.09	ng	98
70) Phenanthrene	11.15	178	156824	8.88	ng	99
71) Anthracene	11.20	178	39298	2.18	ng	96
74) Fluoranthene	12.35	202	250983	13.81	ng	90
77) Pyrene	12.57	202	216884	9.96	ng	98
80) Benzo(a)anthracene	13.75	228	76989	4.82	ng	96
82) Chrysene	13.78	228	102339m	6.30	ng	
83) Bis(2-ethylhexyl)phthalate	13.76	149	153033	13.82	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.39	276	32688	2.42	ng	# 87
87) Benzo(b)fluoranthene	14.75	252	98812m	5.65	ng	
88) Benzo(k)fluoranthene	14.77	252	41872m	2.93	ng	
89) Benzo(a)pyrene	15.07	252	56795	3.77	ng	# 72
91) Benzo(g,h,i)perylene	16.75	276	32559	2.52	ng	# 90

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

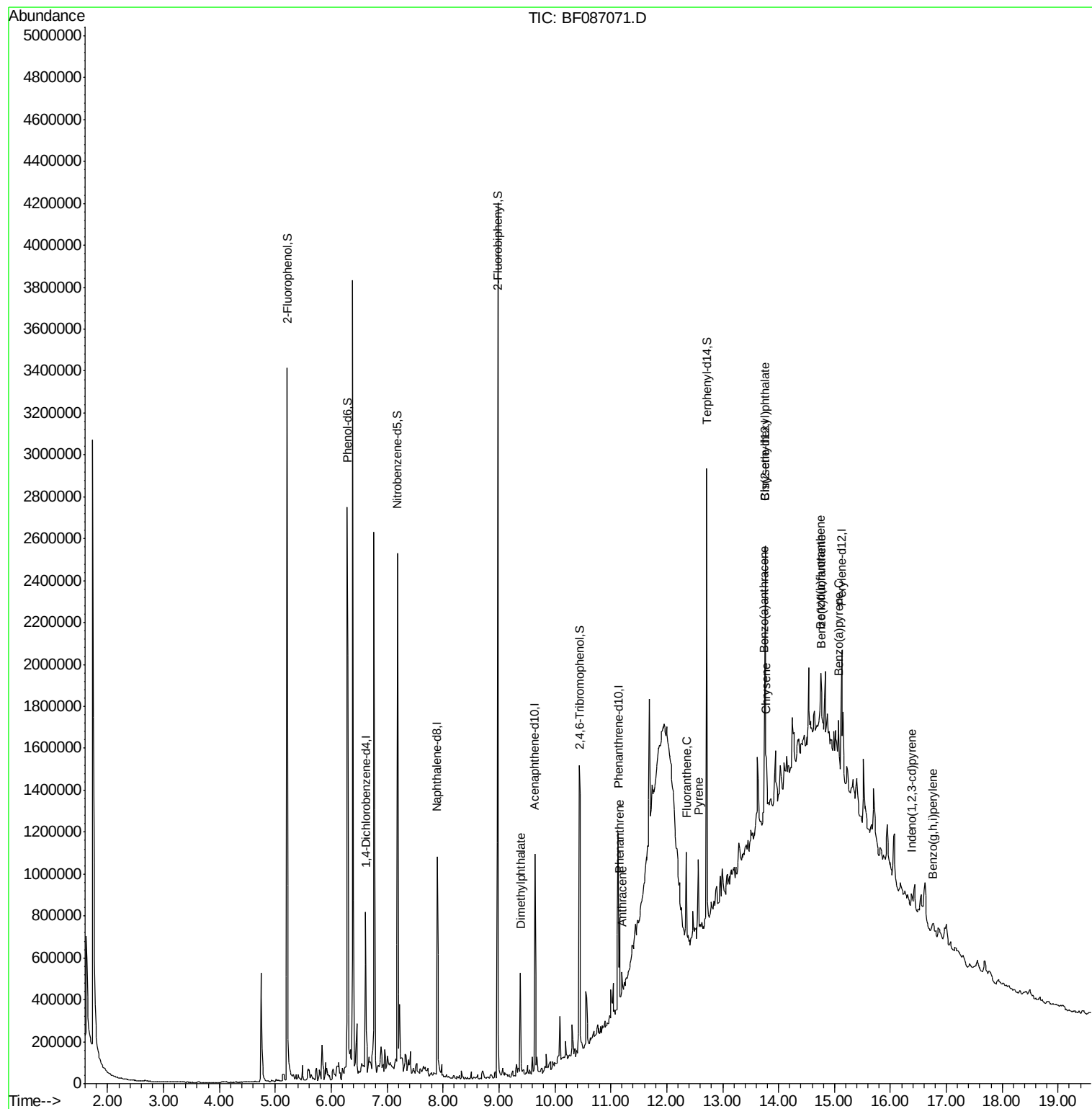
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087071.D
Acq On : 15 May 2016 15:57
Operator : UM/SJ
Sample : H3038-03
Misc :
ALS Vial : 90 Sample Multiplier: 1

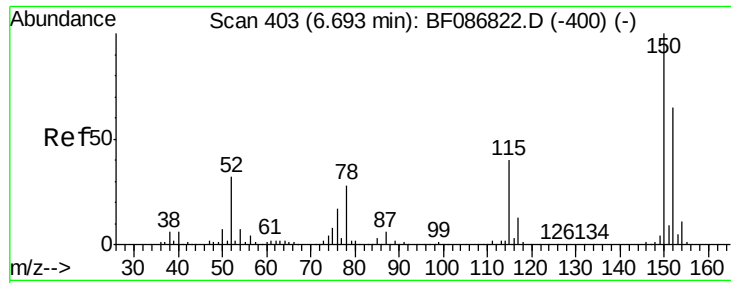
Instrument :
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Quant Time: May 16 07:06:11 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

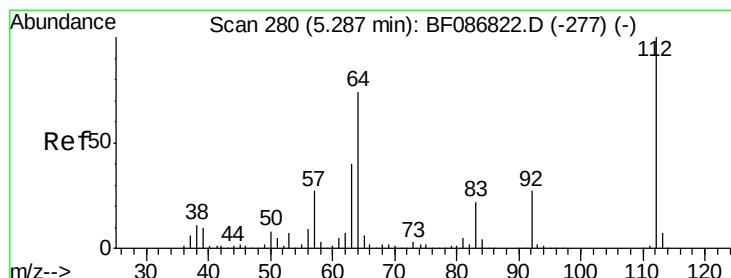
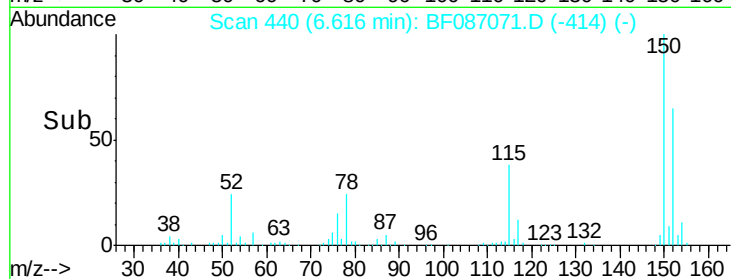
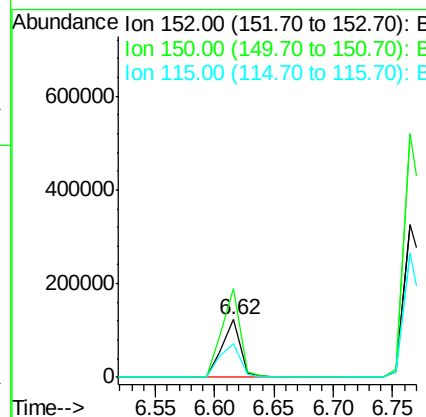
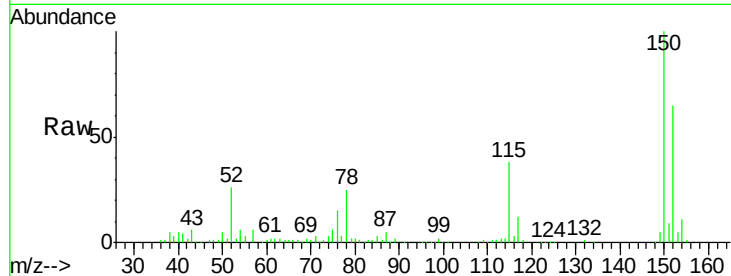
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

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

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		130666		
150	153.6	125.8	188.6		
115	58.7	51.5	77.3		

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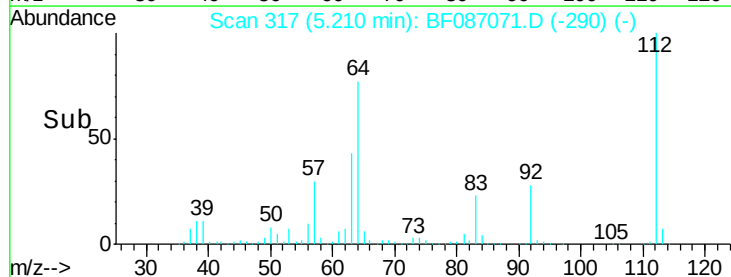
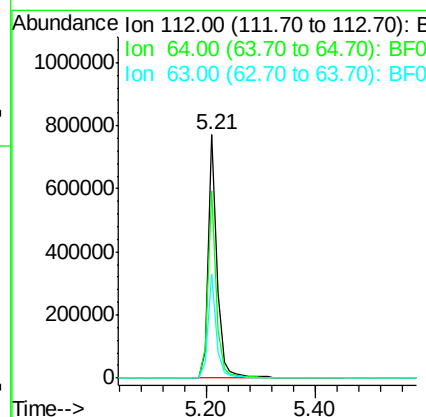
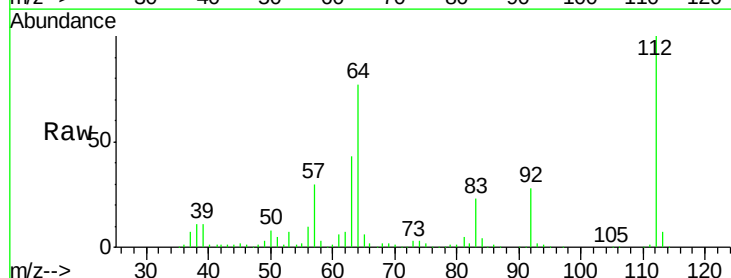
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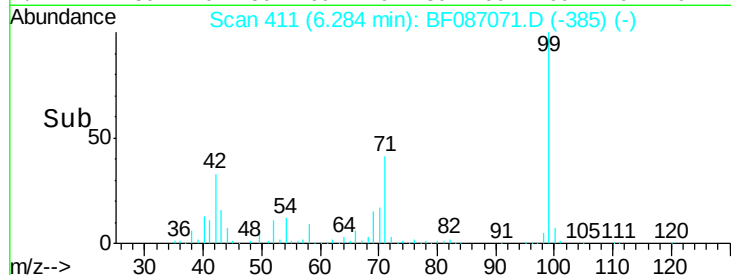
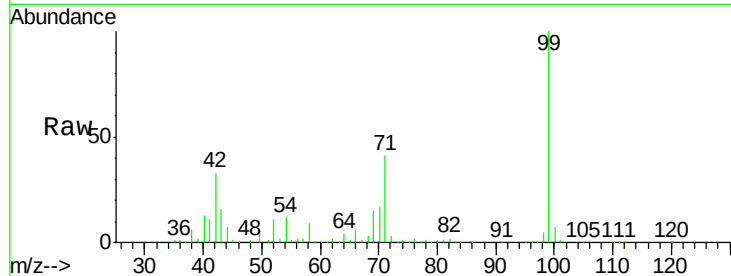
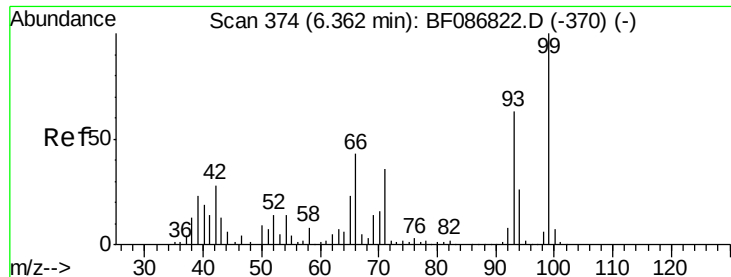


#5

2-Fluorophenol
Concen: 112.12 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.01 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		865090		
64	77.1	52.1	78.1		
63	42.8	25.7	38.5		





#7

Phenol-d6

Concen: 113.18 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

Tgt Ion: 99 Resp: 1167096

Ion Ratio Lower Upper

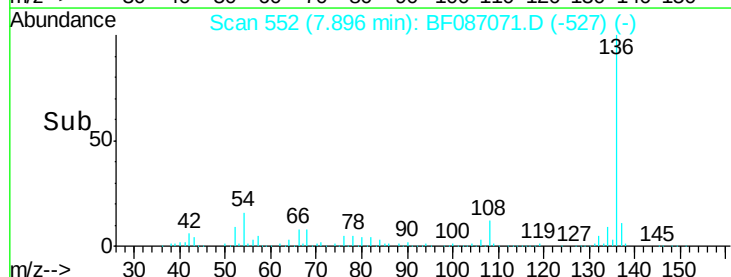
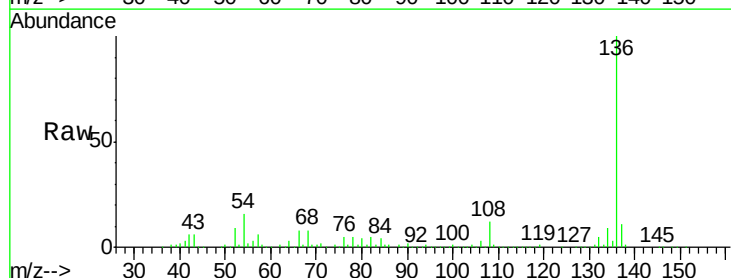
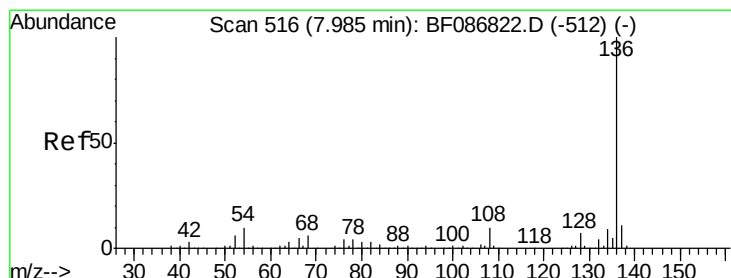
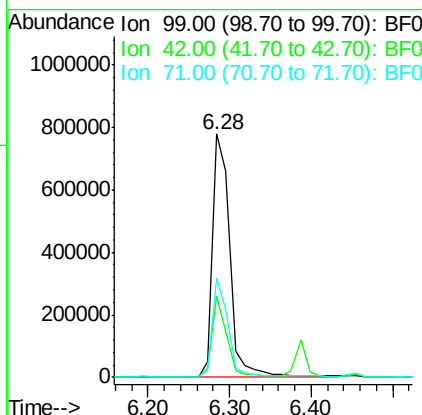
99 100

42 33.1 13.6 20.4#

71 40.6 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Tgt Ion: 136 Resp: 510964

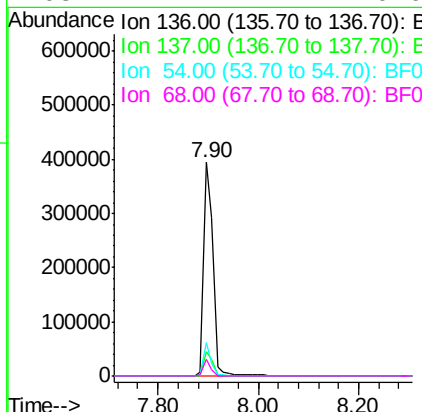
Ion Ratio Lower Upper

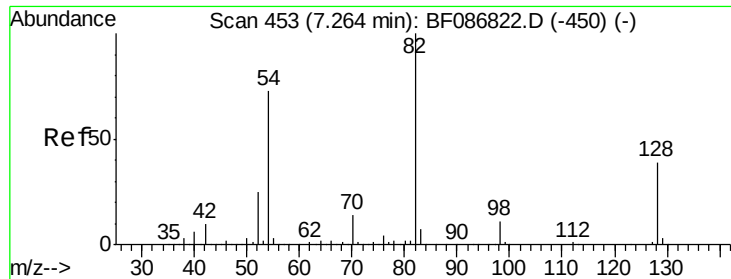
136 100

137 11.3 8.8 13.2

54 15.7 5.0 7.4#

68 7.7 4.4 6.6#





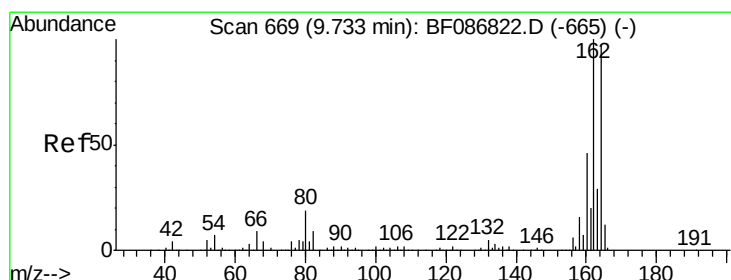
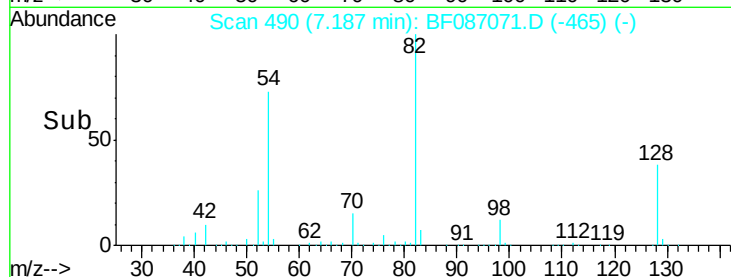
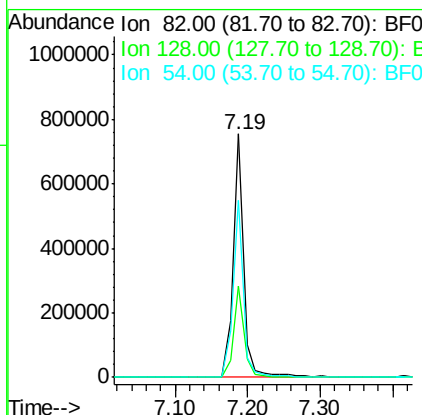
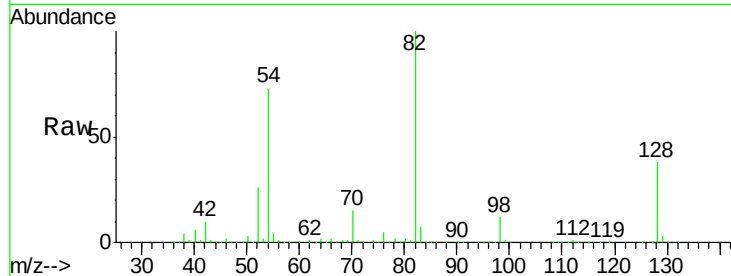
#23
 Nitrobenzene-d5
 Concen: 74.39 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	756996		
128	37.5	40.6	61.0#	
54	72.9	38.1	57.1#	

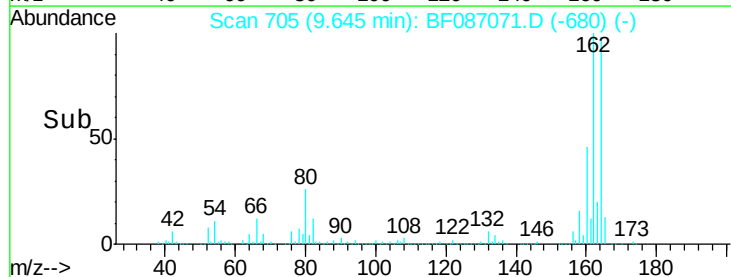
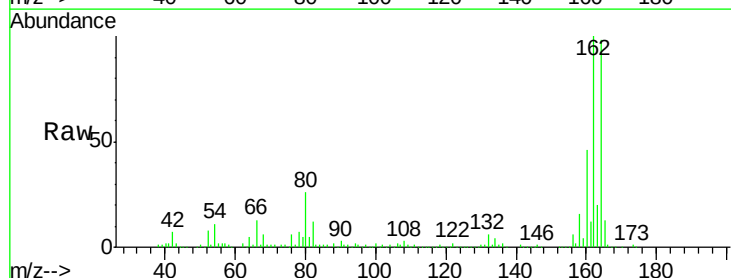
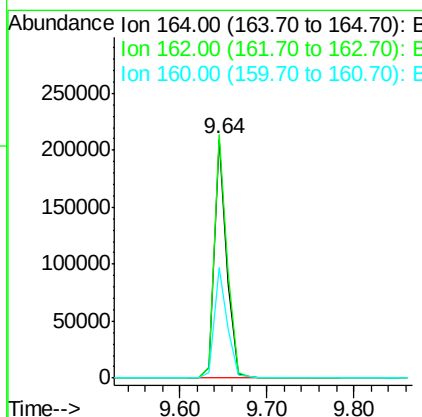
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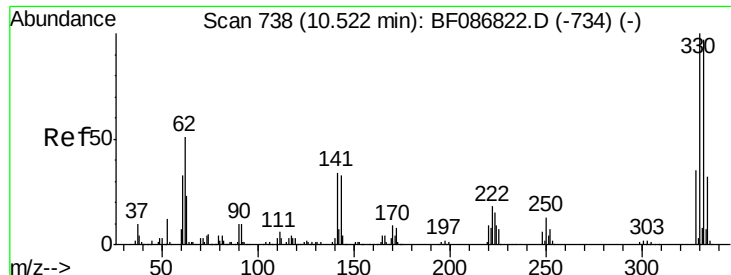
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	212418		
162	101.8	82.8	124.2	
160	46.4	36.9	55.3	





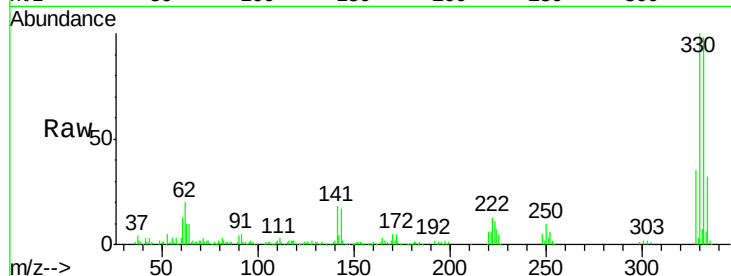
#41
 2,4,6-Tribromophenol
 Concen: 100.73 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

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

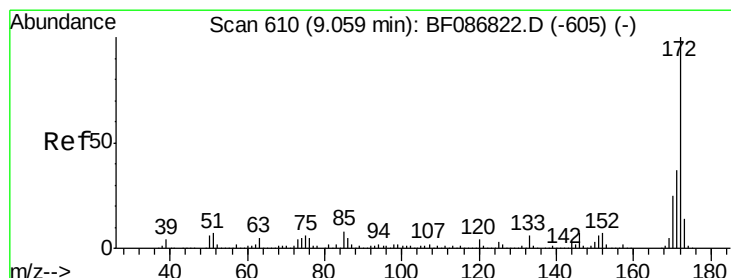
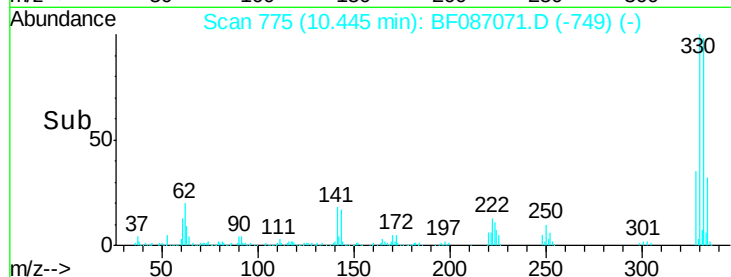
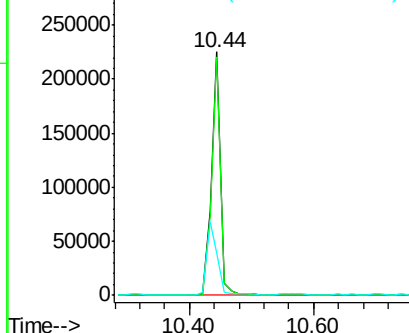
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	226519		
332	96.7	79.0	118.4	
141	34.6	31.2	46.8	

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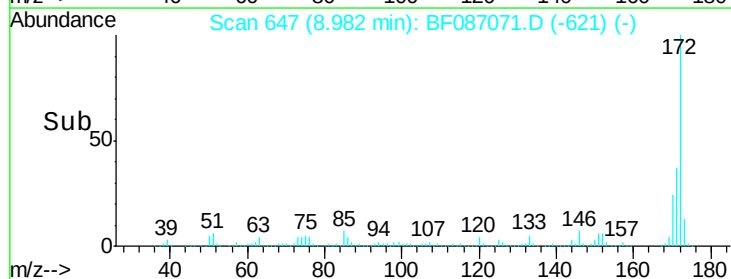
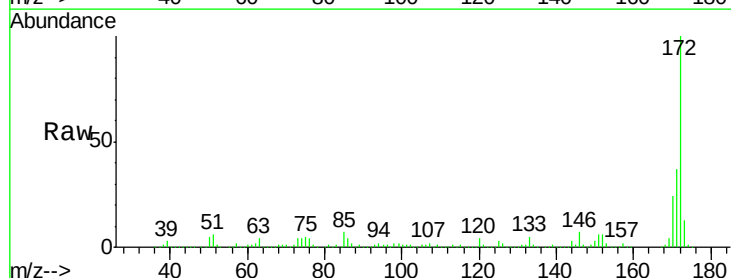
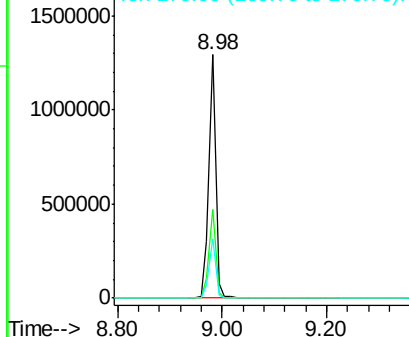
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

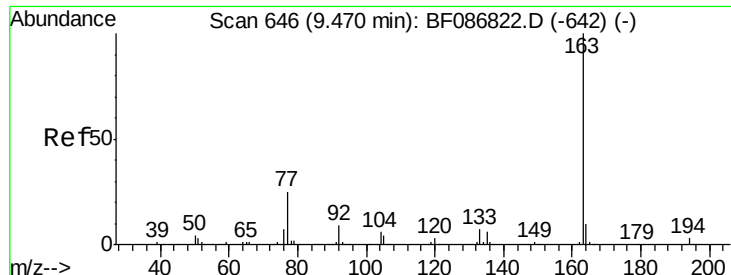


#44
 2-Fluorobiphenyl
 Concen: 94.13 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1189649		
171	36.5	29.0	43.6	
170	24.3	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





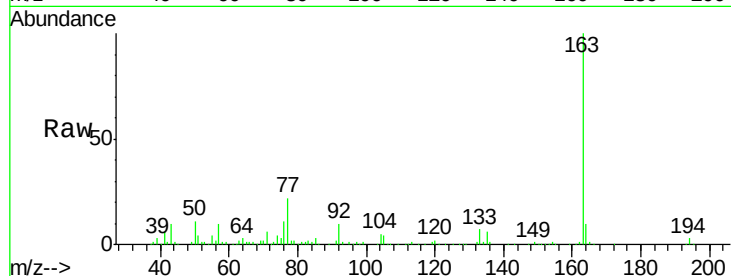
#49
Dimethylphthalate
Concen: 9.09 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

Instrument :
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ClientSampleId :
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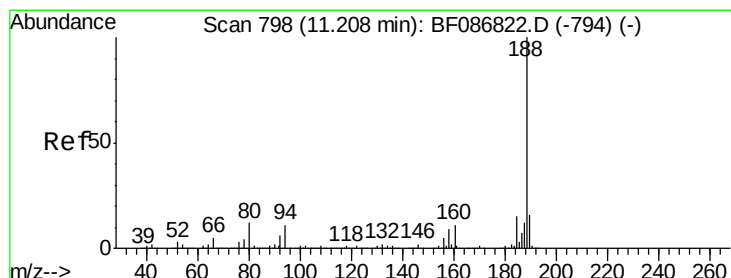
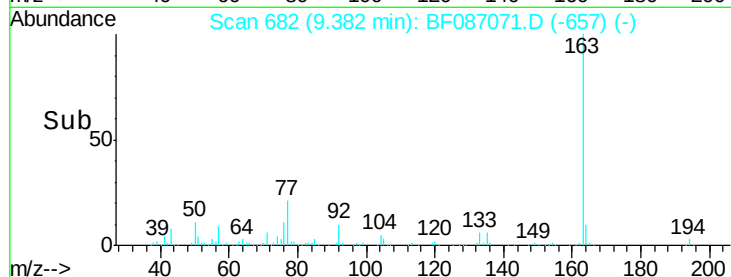
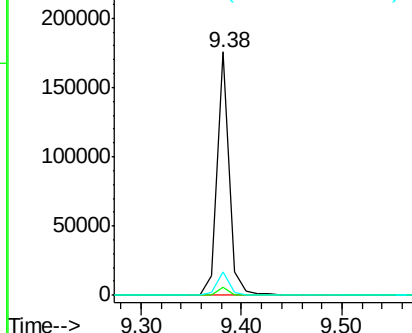
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	9.6	8.2	12.4

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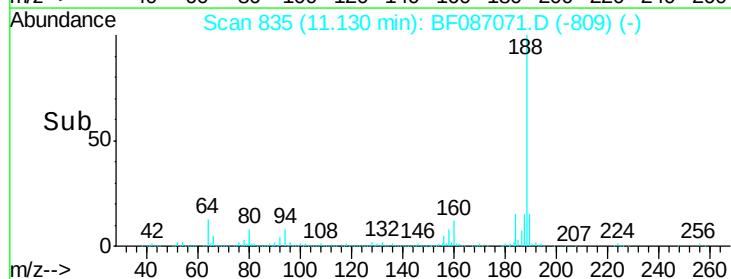
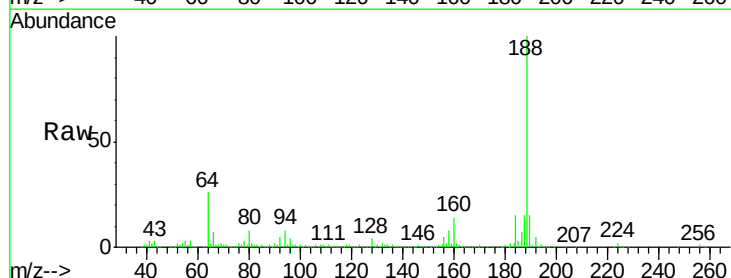
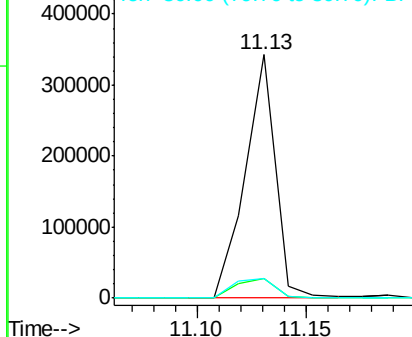
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

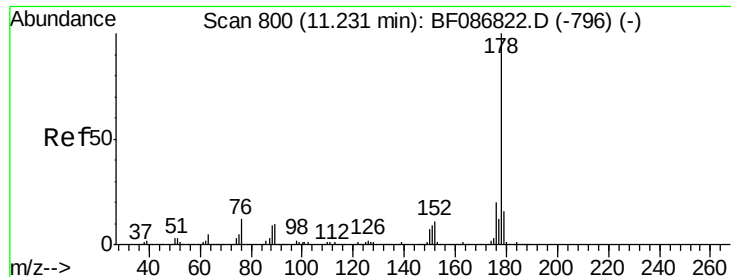


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.0	6.8	10.2
80	8.2	7.1	10.7

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





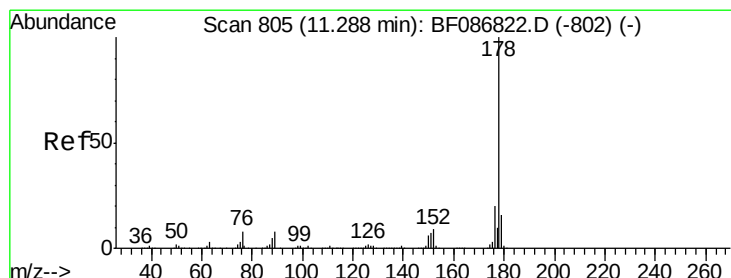
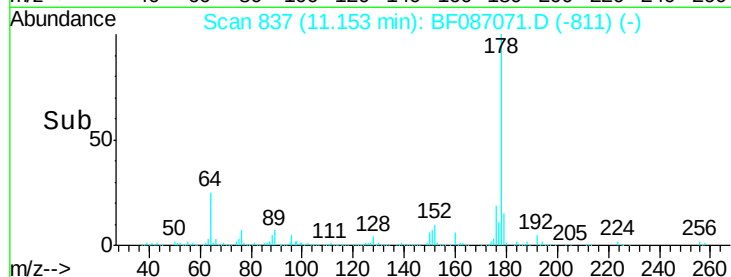
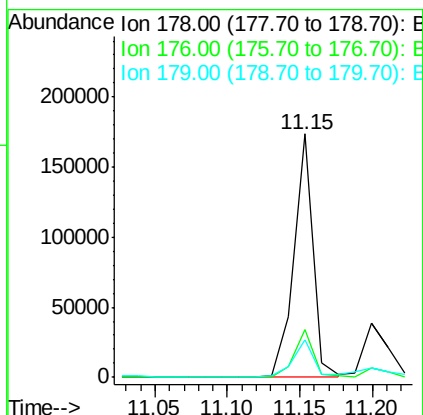
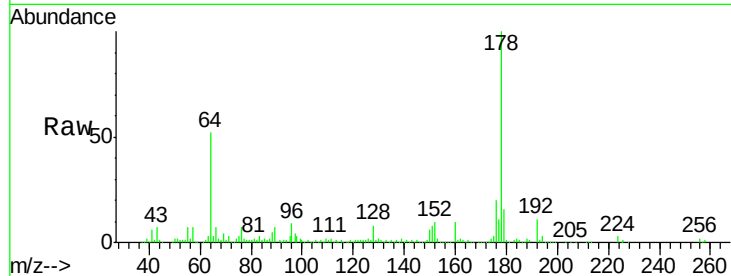
#70
Phenanthrene
Concen: 8.88 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	156824		
176	19.5	16.0	24.0	
179	15.7	12.6	18.8	

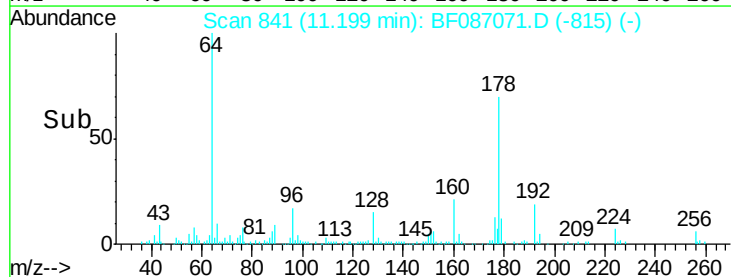
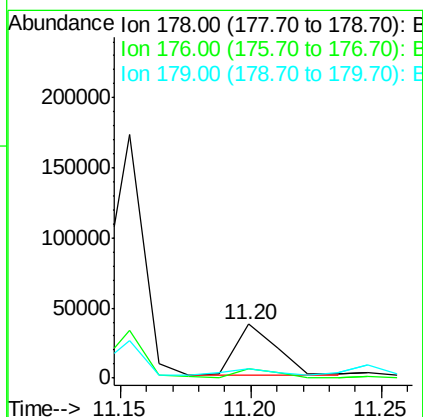
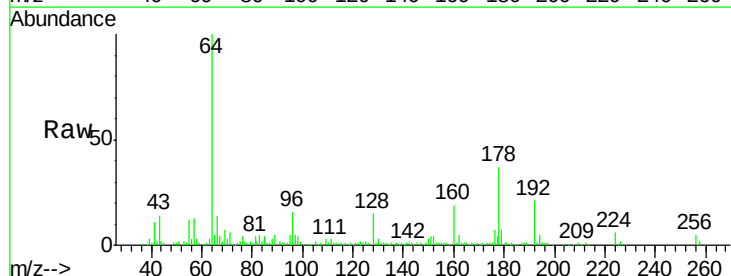
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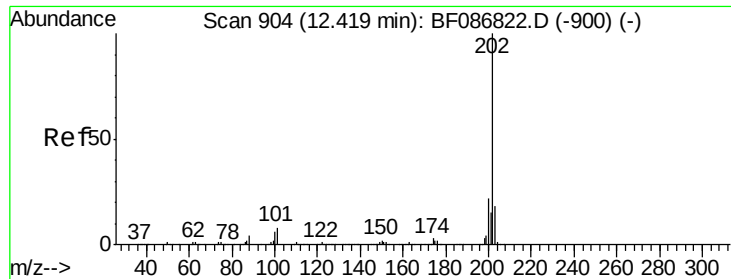
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#71
Anthracene
Concen: 2.18 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	39298		
176	18.4	15.6	23.4	
179	18.6	12.7	19.1	





#74

Fluoranthene

Concen: 13.81 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.02 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

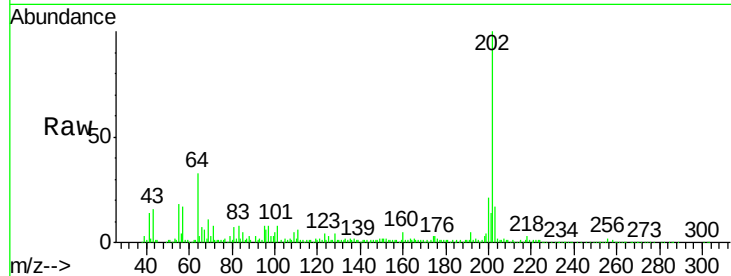
ClientSampleId :

PITT-1-N-WEST

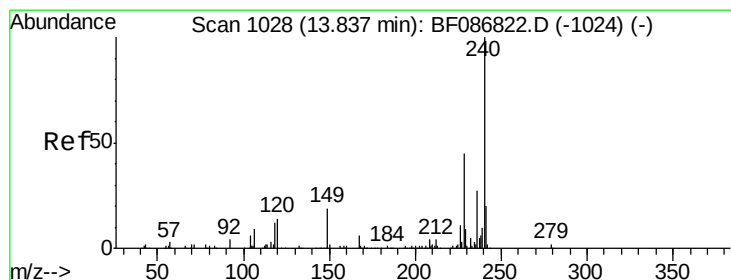
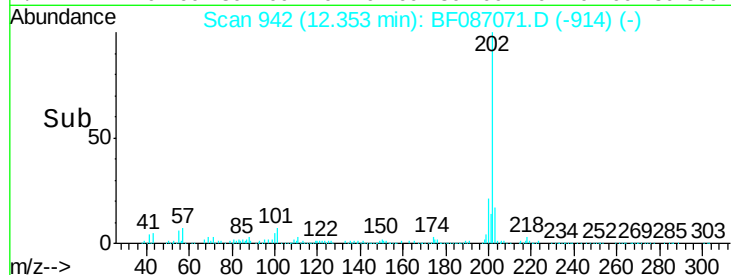
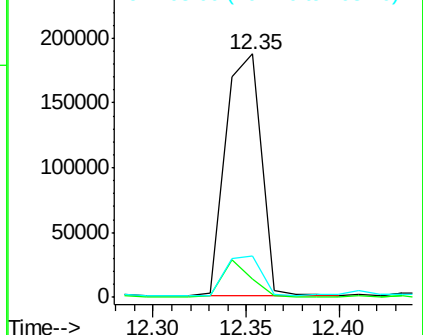
Tgt Ion:	202	Resp:	250983
Ion Ratio		Lower	Upper
202	100		
101	7.5	0.0	35.4
203	17.2	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

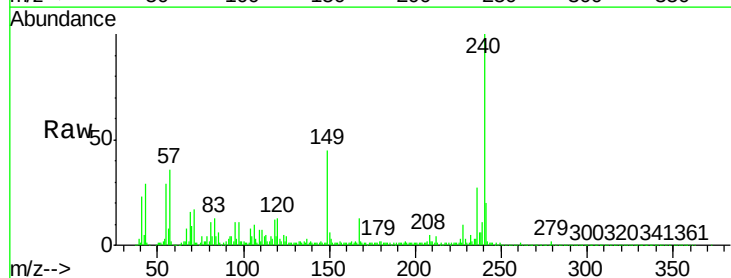
RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

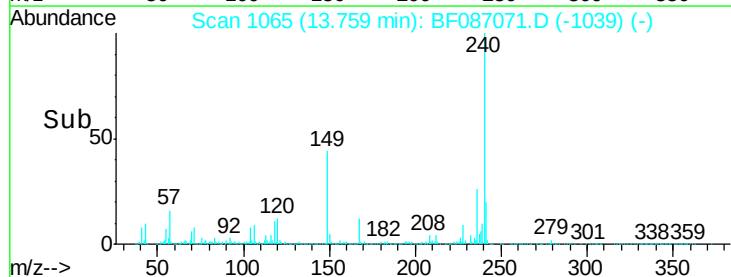
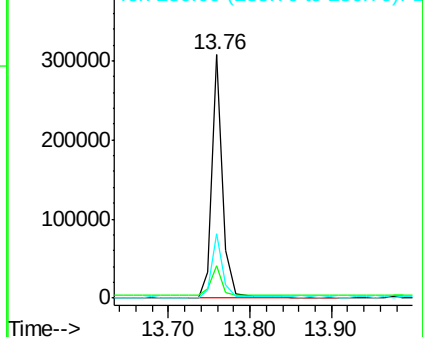
Lab File: BF087071.D

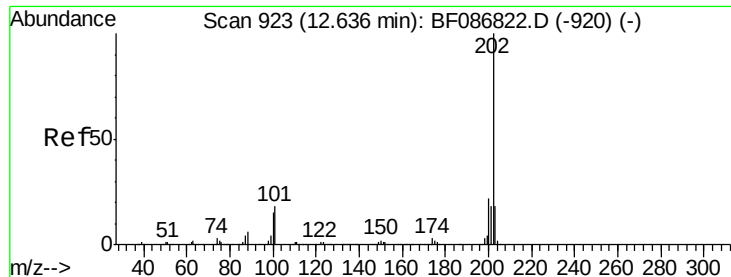
Acq: 15 May 2016 15:57

Tgt Ion:	240	Resp:	284367
Ion Ratio		Lower	Upper
240	100		
120	13.3	11.2	16.8
236	26.6	21.2	31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.96 ng

RT: 12.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

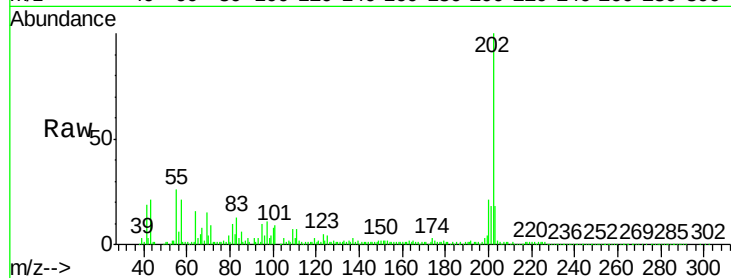
ClientSampleId :

PITT-1-N-WEST

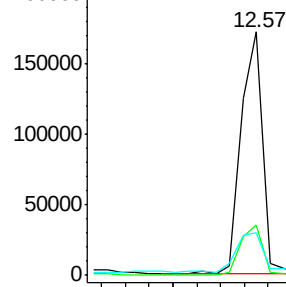
Tgt Ion:	202	Resp:	216884
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.7	26.5
203	17.8	14.2	21.4

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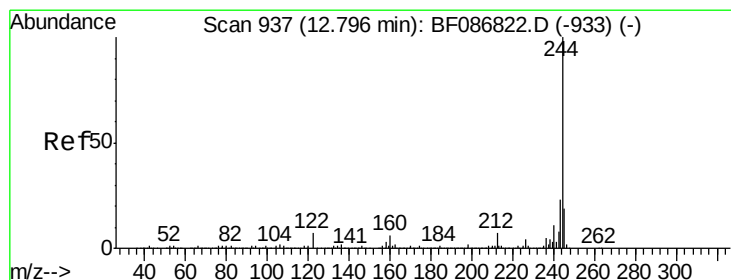
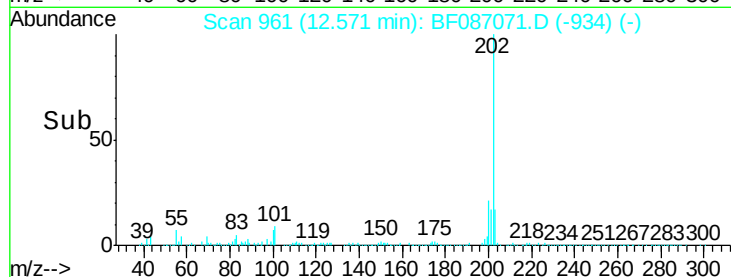
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 62.23 ng

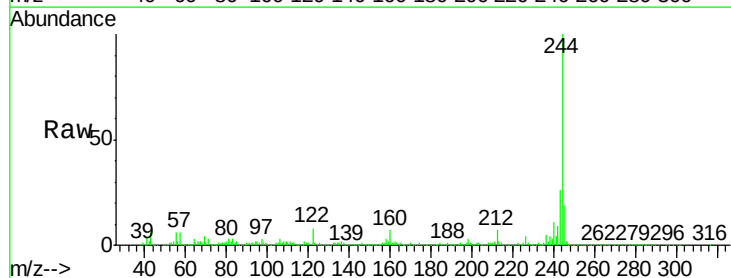
RT: 12.72 min Scan# 974

Delta R.T. 0.01 min

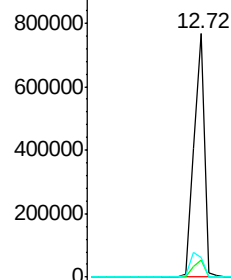
Lab File: BF087071.D

Acq: 15 May 2016 15:57

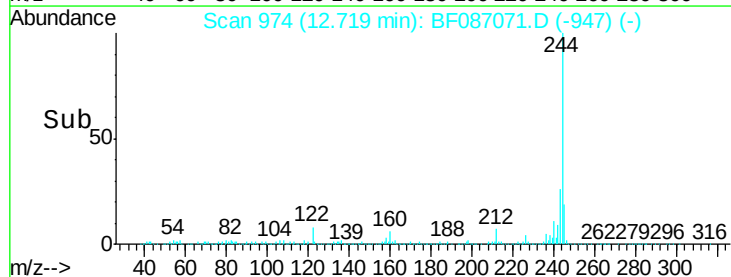
Tgt Ion:	244	Resp:	834078
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.2	9.2
122	7.9	12.0	18.0#

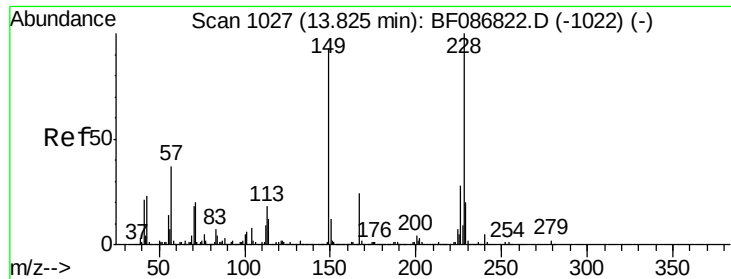


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





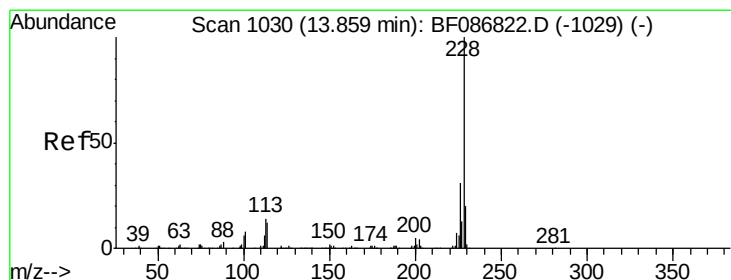
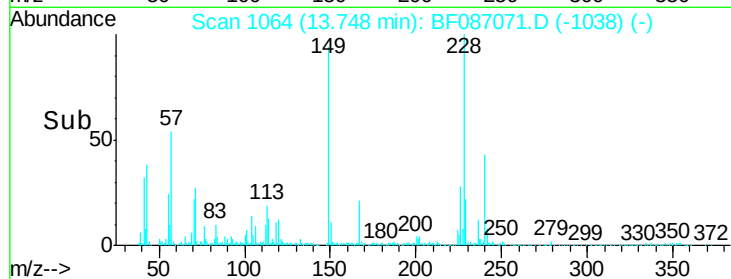
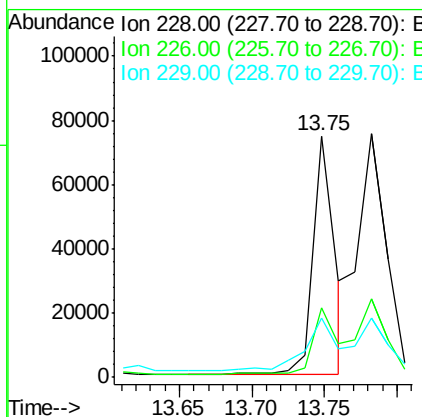
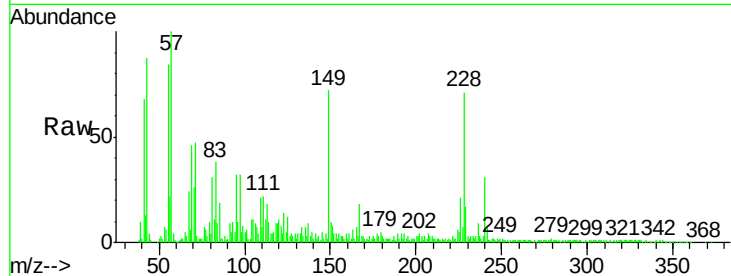
#80
Benzo(a)anthracene
Concen: 4.82 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.5	33.7
229	24.4	16.6	25.0

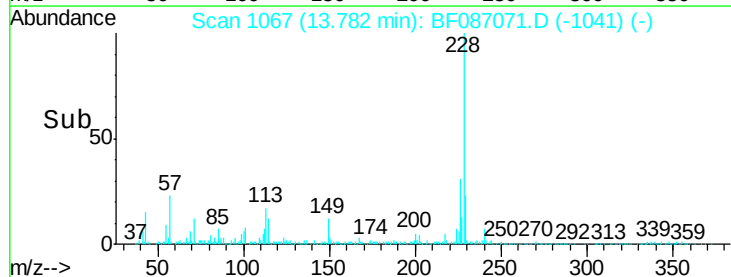
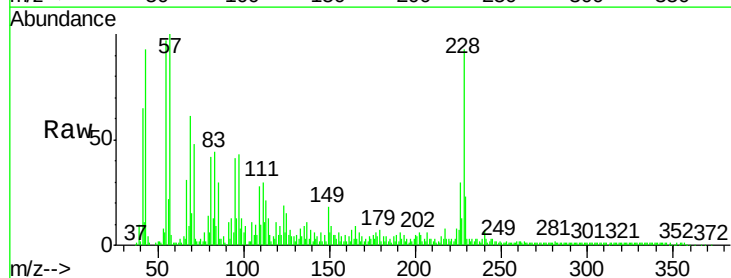
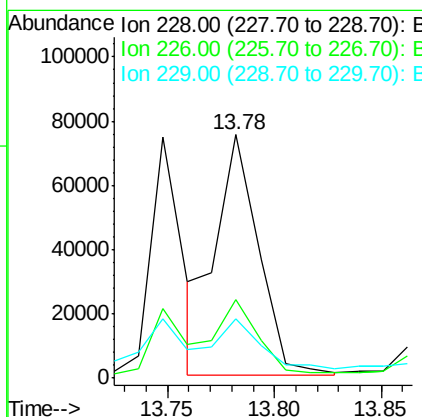
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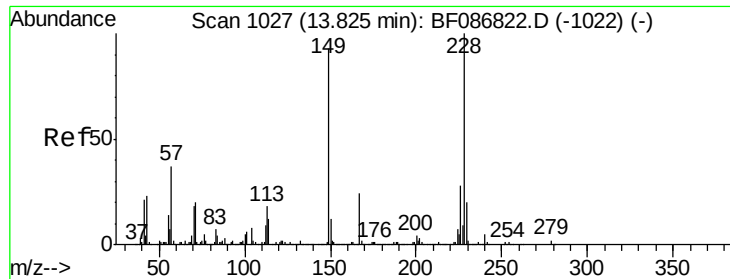
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#82
Chrysene
Concen: 6.30 ng m
RT: 13.78 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.4	36.6
229	24.4	15.8	23.8#





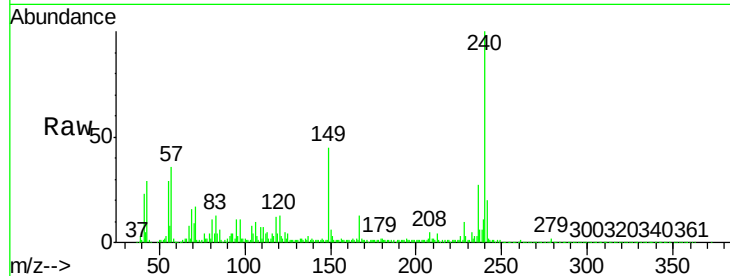
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.82 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.01 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

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

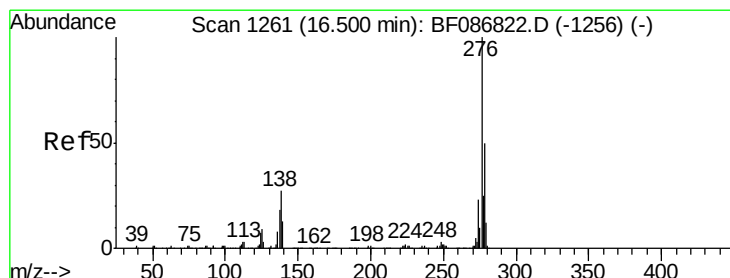
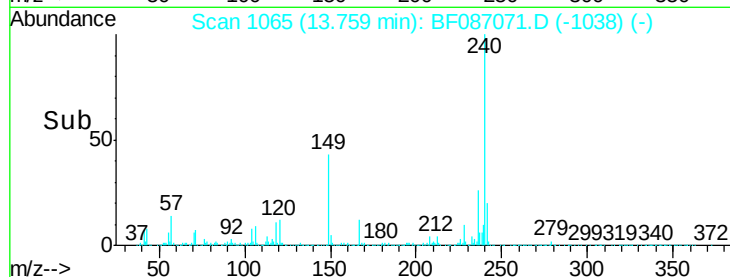
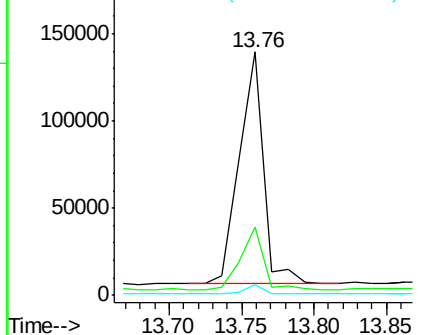
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	153033		
167	28.2	21.8	32.6	
279	4.4	2.6	4.0#	

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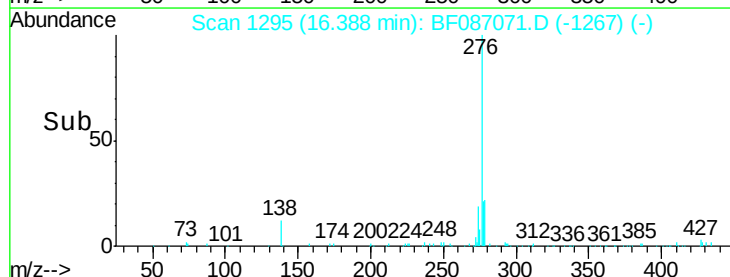
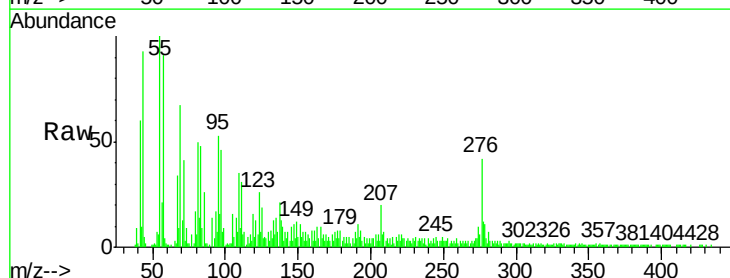
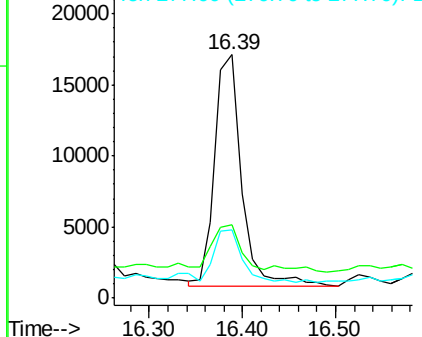
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

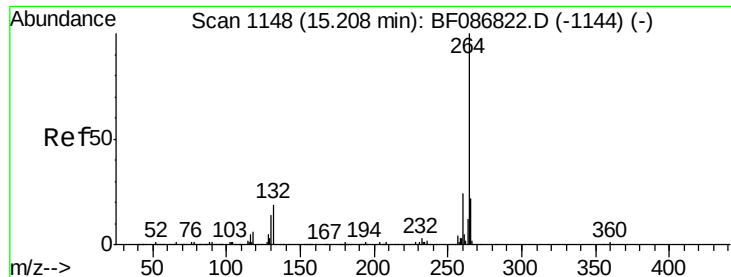


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.42 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. 0.02 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	32688		
138	21.0	25.6	38.4#	
277	28.0	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





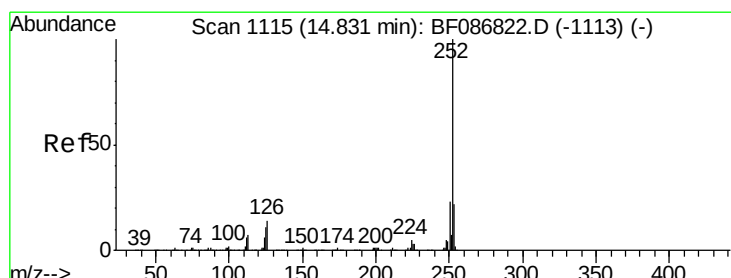
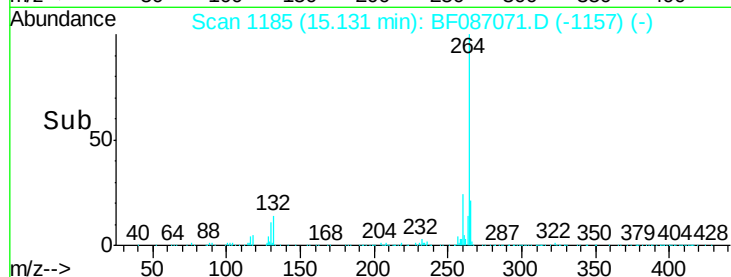
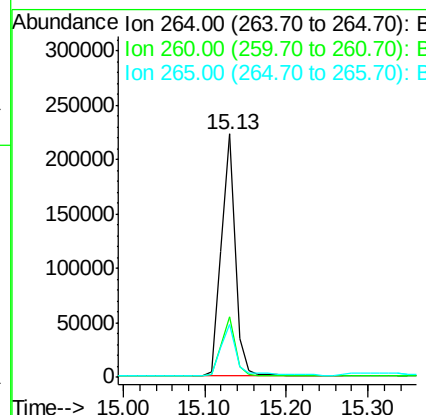
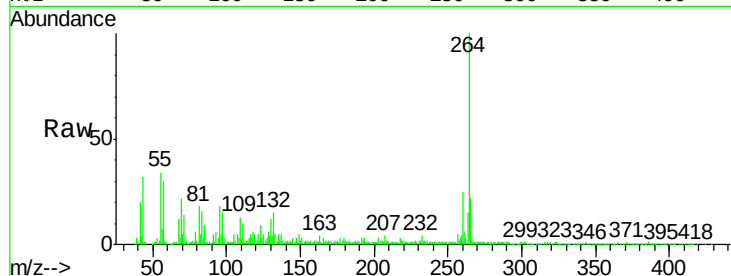
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.02 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	268980		
260	24.8	19.5	29.3	
265	22.0	17.3	25.9	

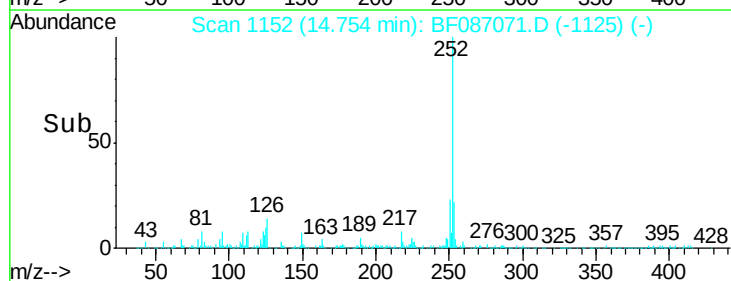
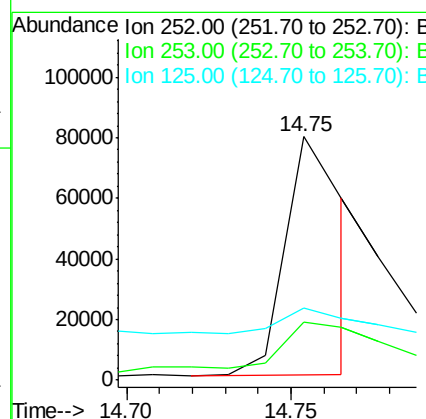
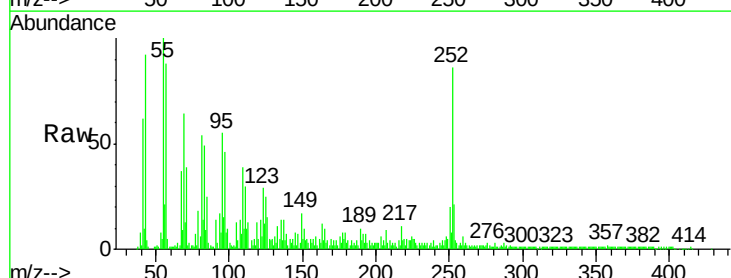
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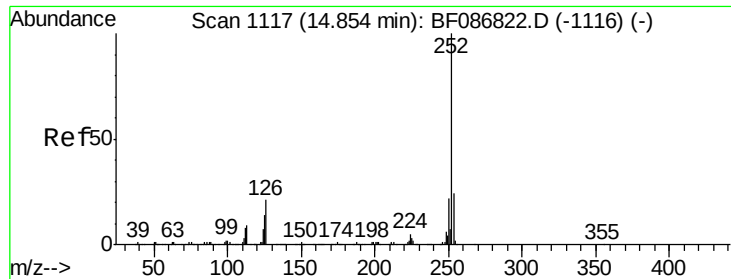
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#87
Benzo(b)fluoranthene
Concen: 5.65 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087071.D
Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	98812		
253	24.1	17.8	26.6	
125	29.5	11.4	17.0	





#88

Benzo(k)fluoranthene

Concen: 2.93 ng m

RT: 14.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF087071.D

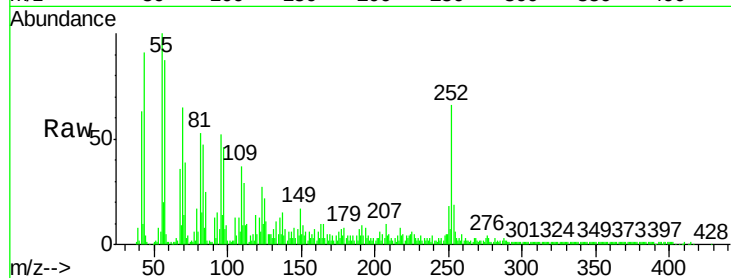
Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

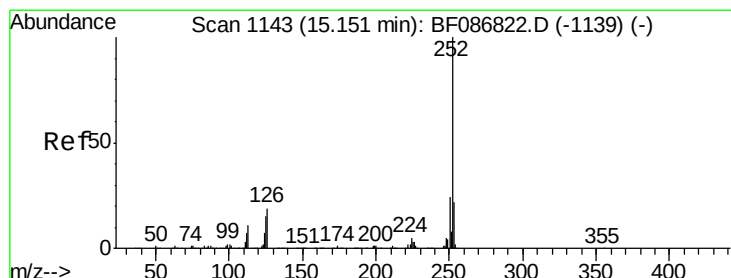
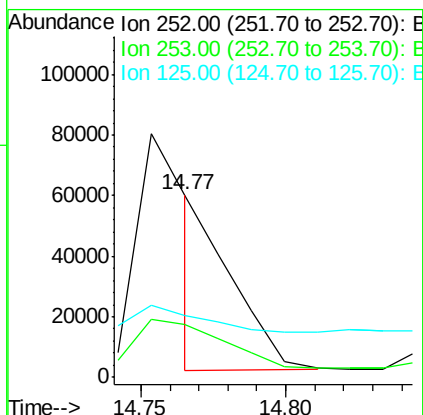
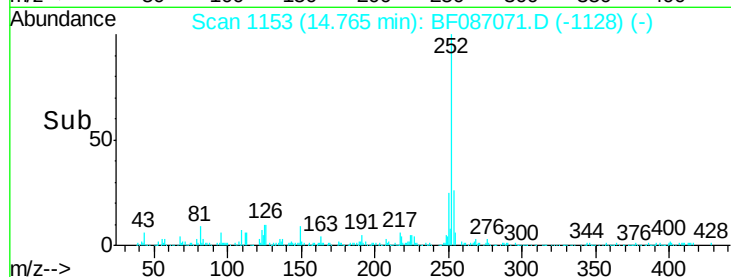
PITT-1-N-WEST



Tgt Ion:	252	Resp:	41872
Ion Ratio	Lower	Upper	
252	100		
253	29.0	17.8	26.6#
125	34.1	9.1	13.7#

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#89

Benzo(a)pyrene

Concen: 3.77 ng

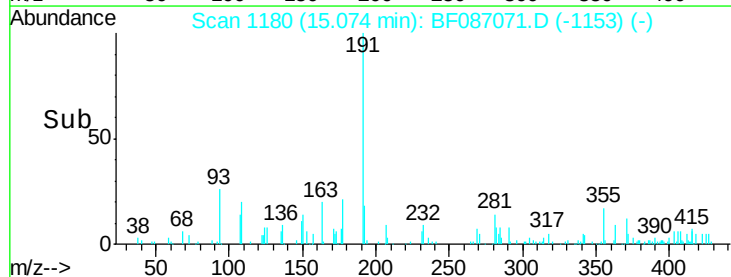
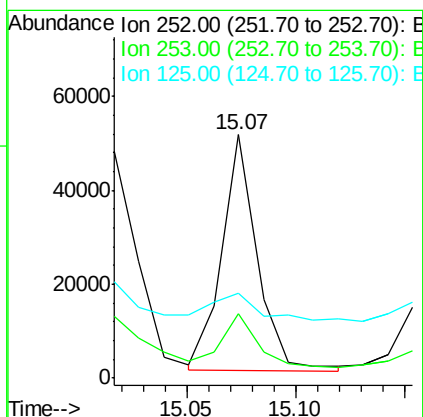
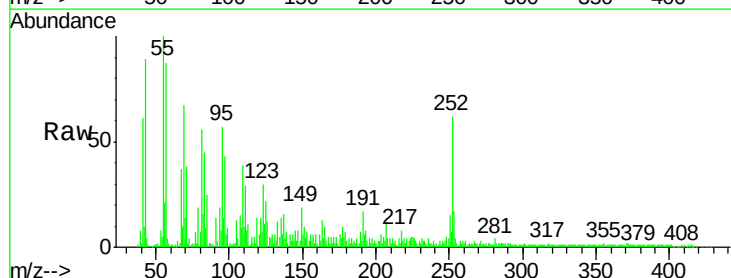
RT: 15.07 min Scan# 1180

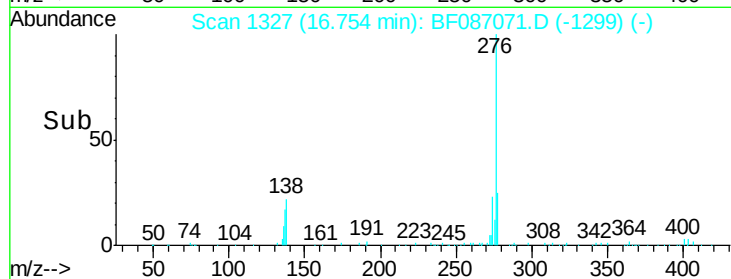
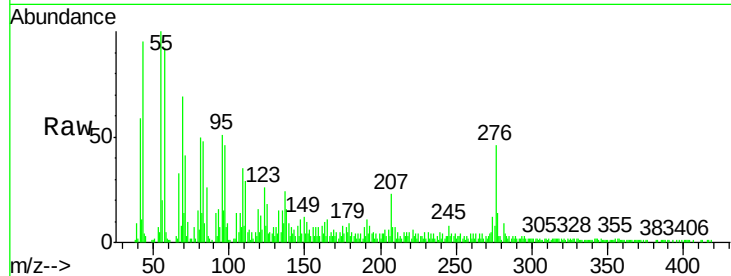
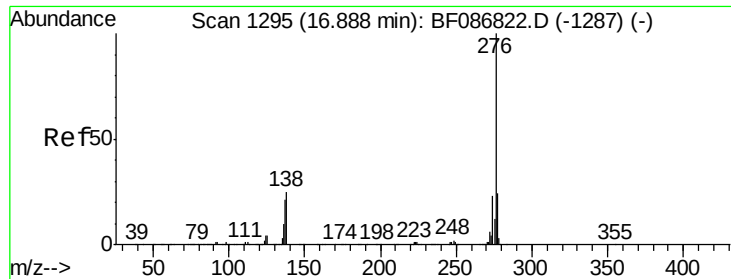
Delta R.T. 0.01 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Tgt Ion:	252	Resp:	56795
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.2	25.8#
125	35.0	9.0	13.6#





#91

Benzo(g,h,i)perylene

Concen: 2.52 ng

RT: 16.75 min Scan# 1327

Delta R.T. 0.02 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

Tgt Ion:	276	Resp:	32559
Ion Ratio	Lower	Upper	
276	100		
277	30.2	19.6	29.4#
138	34.5	23.6	35.4

Manual Integrations
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