

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087093.D
 Acq On : 16 May 2016 20:51
 Operator : UM/SJ
 Sample : H3038-03RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: May 17 13:33:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	147863	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	570592	20.00	ng	0.00
38) Acenaphthene-d10	9.64	164	224489	20.00	ng	0.00
63) Phenanthrene-d10	11.12	188	355618	20.00	ng	0.00
75) Chrysene-d12	13.76	240	278371	20.00	ng	0.00
86) Perylene-d12	15.12	264	222510	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	964666	110.49	ng	0.00
7) Phenol-d6	6.28	99	1375063	117.84	ng	0.00
23) Nitrobenzene-d5	7.18	82	859042	75.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	211148	88.84	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	1175943	88.04	ng	-0.01
78) Terphenyl-d14	12.71	244	845692	64.46	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.37	163	132826	7.76	ng	100
70) Phenanthrene	11.14	178	168561	8.88	ng	99
71) Anthracene	11.20	178	44899	2.31	ng	100
74) Fluoranthene	12.34	202	289867	14.85	ng	91
77) Pyrene	12.56	202	249145	11.69	ng	99
80) Benzo(a)anthracene	13.75	228	88857	5.69	ng	95
82) Chrysene	13.78	228	88638m	5.58	ng	
83) Bis(2-ethylhexyl)phthalate	13.75	149	182411	16.82	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	30704	2.32	ng	# 90
87) Benzo(b)fluoranthene	14.75	252	100863m	6.97	ng	
88) Benzo(k)fluoranthene	14.77	252	26953m	2.28	ng	
89) Benzo(a)pyrene	15.06	252	46950	3.76	ng	# 63
91) Benzo(a,h,i)perylene	16.74	276	31954	2.99	ng	# 90

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

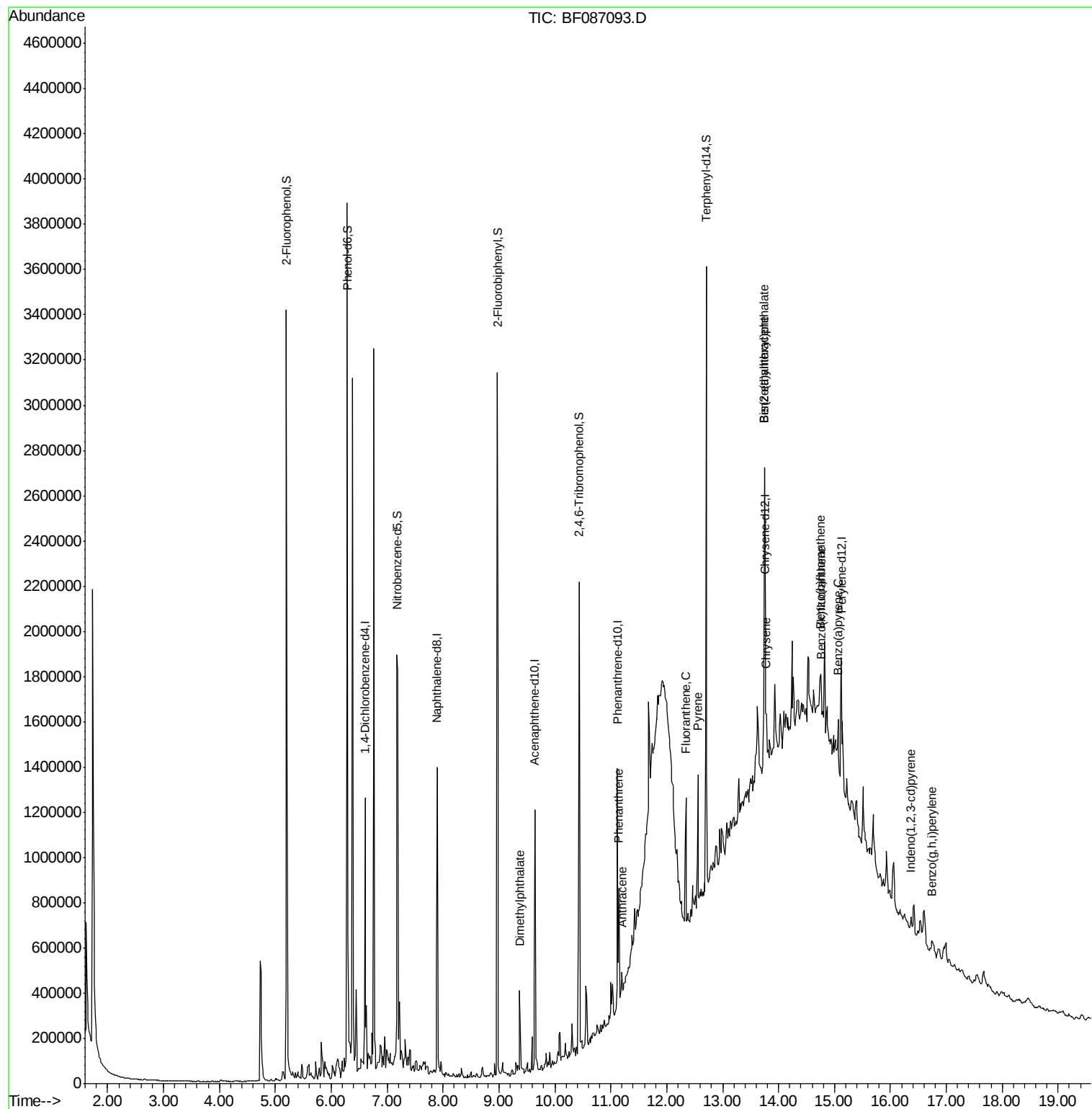
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
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ALS Vial : 20 Sample Multiplier: 1

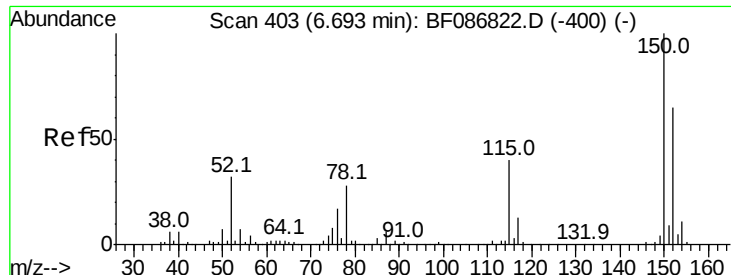
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

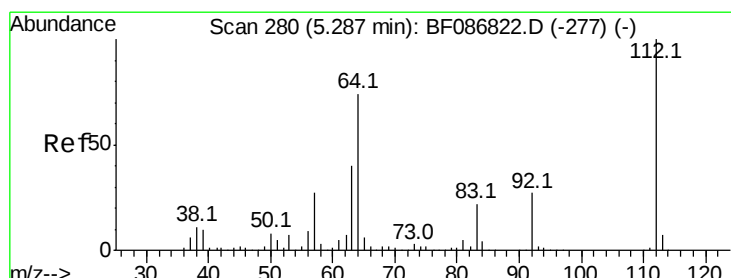
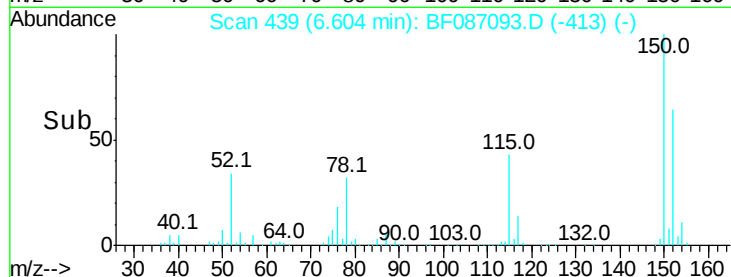
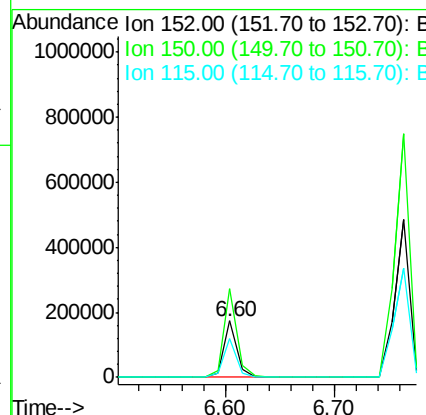
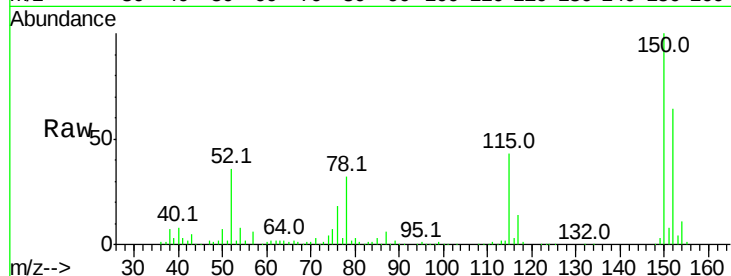
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.8	188.6
115	68.1	51.5	77.3

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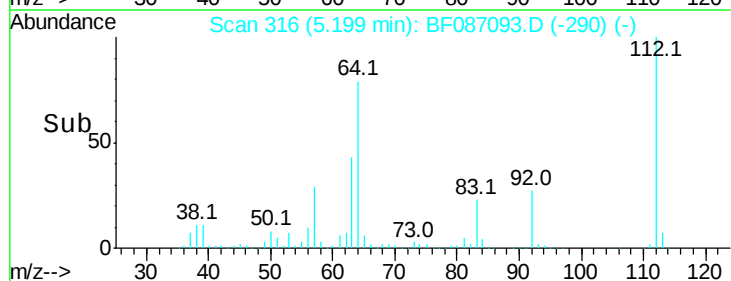
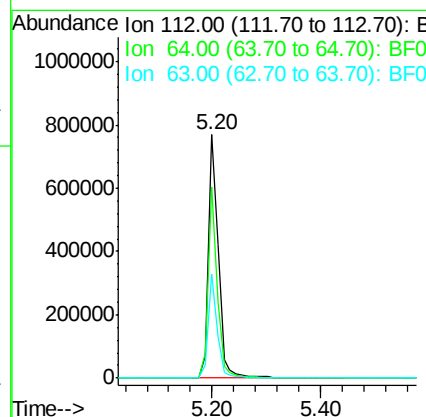
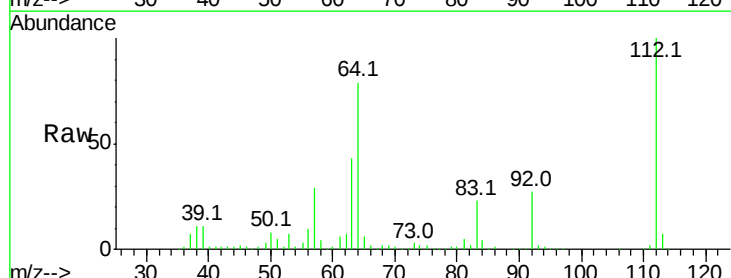
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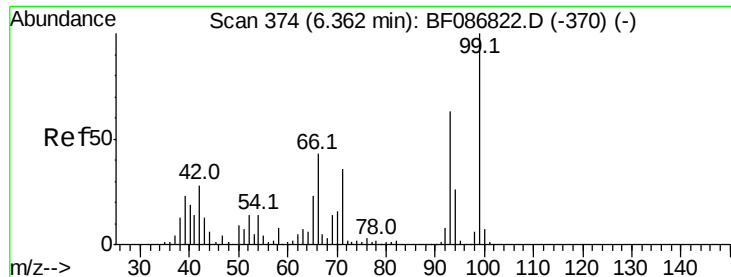


#5

2-Fluorophenol
Concen: 110.49 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.00 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.6	52.1	78.1#
63	42.6	25.7	38.5#





#7

Phenol-d6

Concen: 117.84 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

Tot Ion: 99 Resp: 1375063

Ion Ratio Lower Upper

99 100

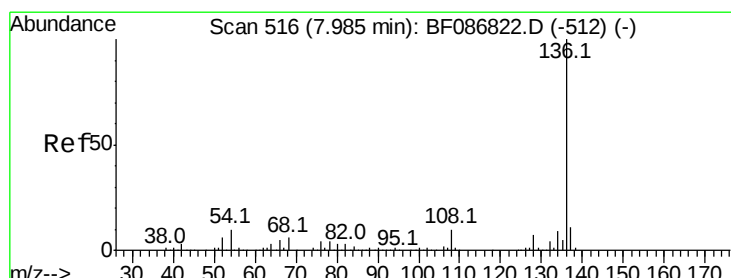
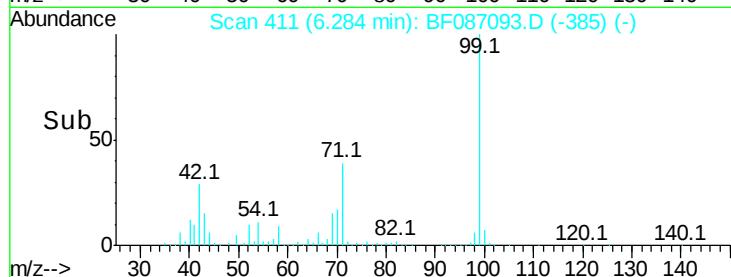
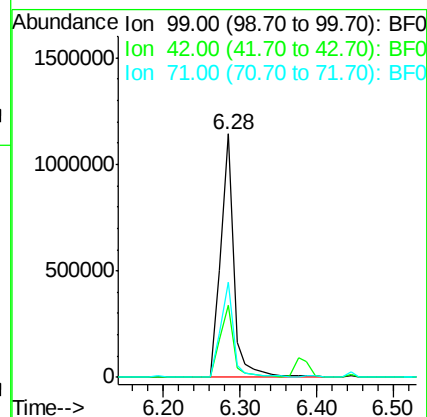
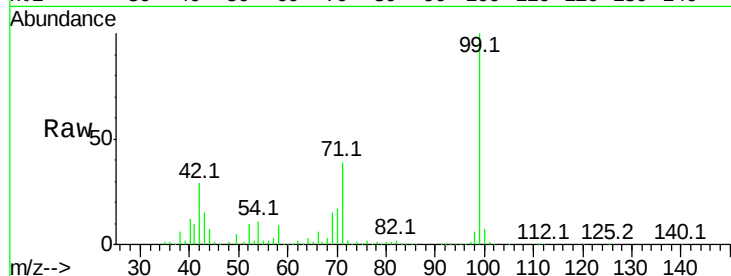
42 29.4 13.6 20.4#

71 39.3 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.00 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Tgt Ion: 136 Resp: 570592

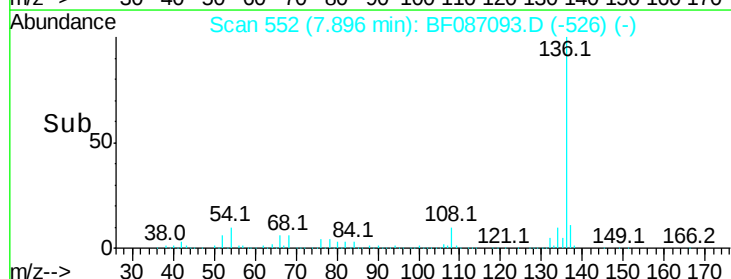
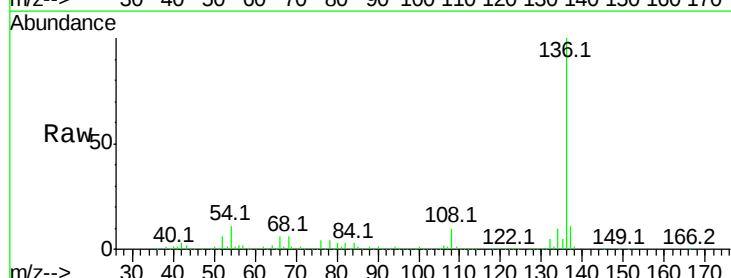
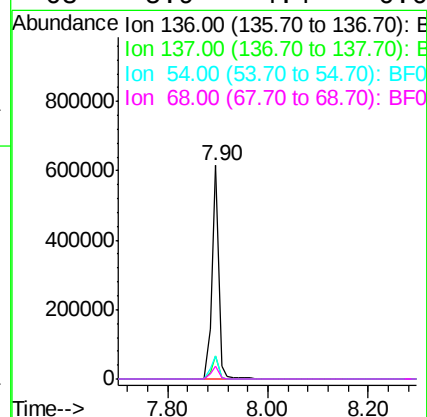
Ion Ratio Lower Upper

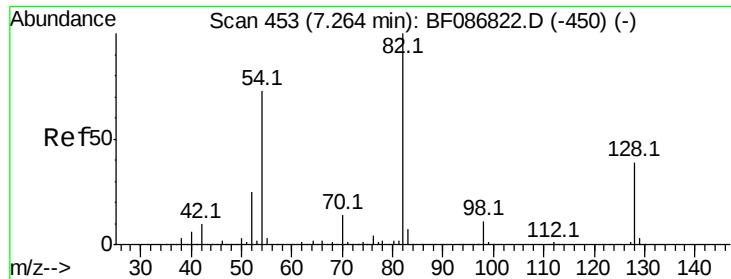
136 100

137 11.0 8.8 13.2

54 10.6 5.0 7.4#

68 5.9 4.4 6.6





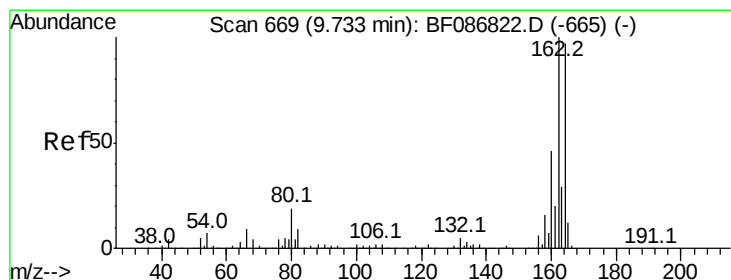
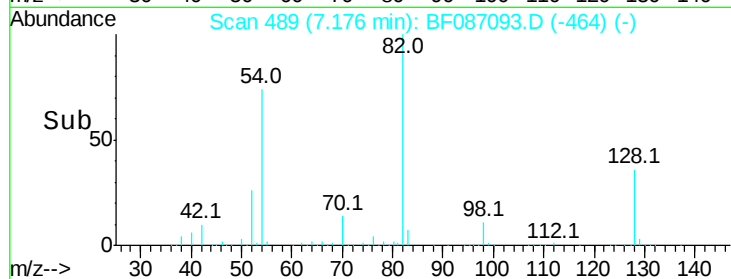
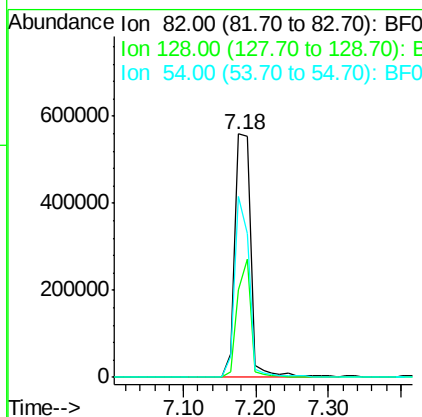
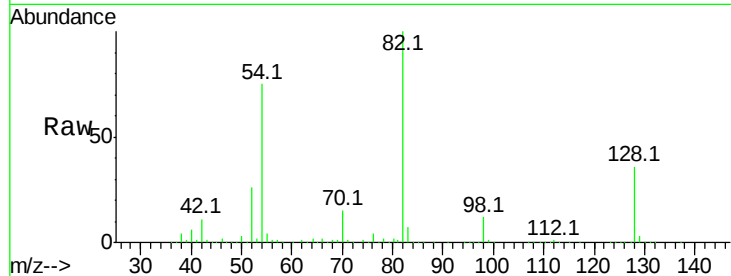
#23
 Nitrobenzene-d5
 Concen: 75.60 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF087093.D
 Acq: 16 May 2016 20:51

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

Tot Ion:	82	Resp:	859042
Ion Ratio	Lower	Upper	
82	100		
128	35.9	40.6	61.0#
54	74.5	38.1	57.1#

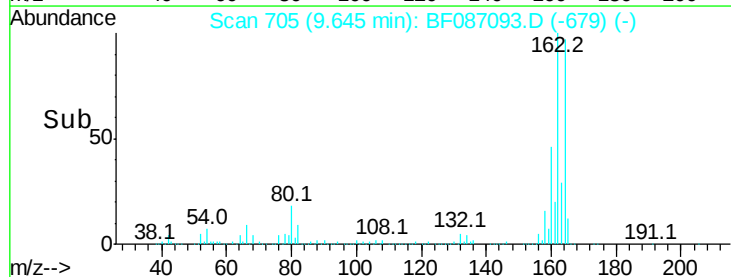
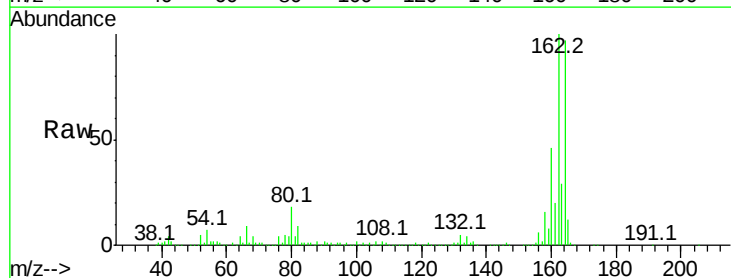
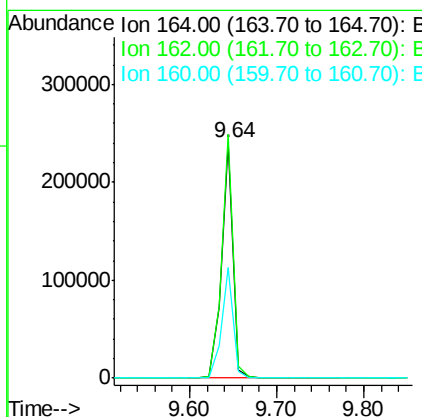
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: BF087093.D
 Acq: 16 May 2016 20:51

Tgt Ion:	164	Resp:	224489
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.8	124.2
160	47.2	36.9	55.3





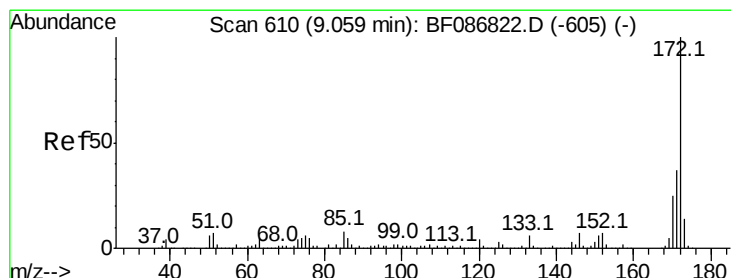
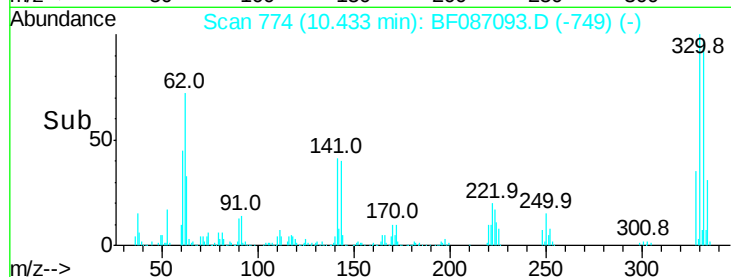
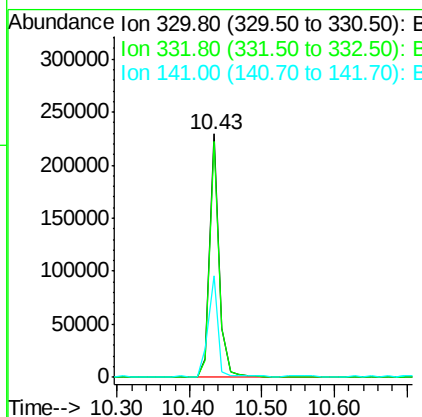
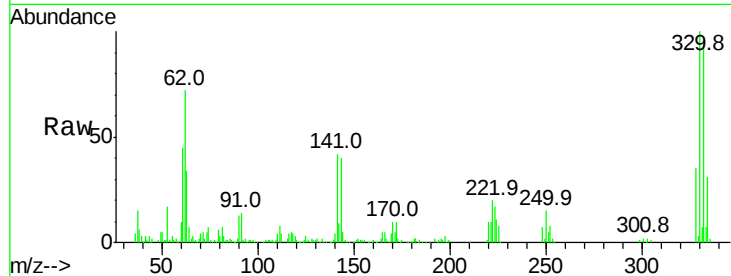
#41
 2,4,6-Tribromophenol
 Concen: 88.84 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087093.D
 Acq: 16 May 2016 20:51

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	211148		
332	97.4	79.0	118.4	
141	43.0	31.2	46.8	

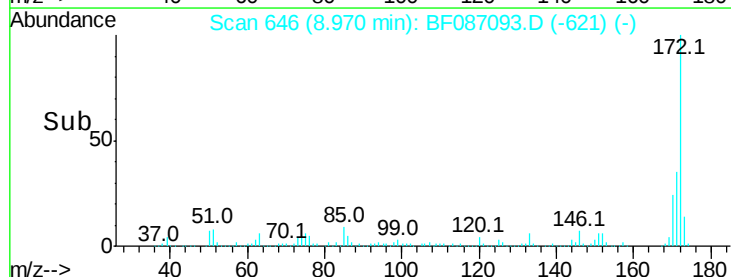
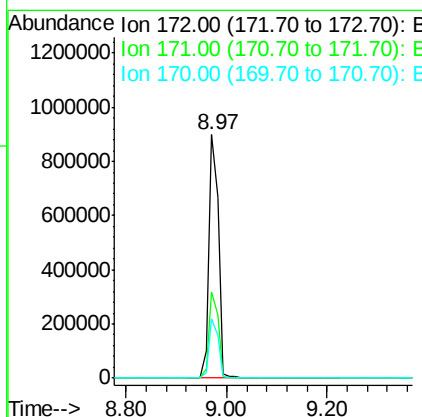
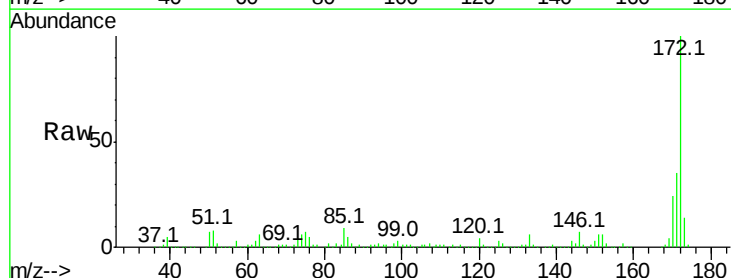
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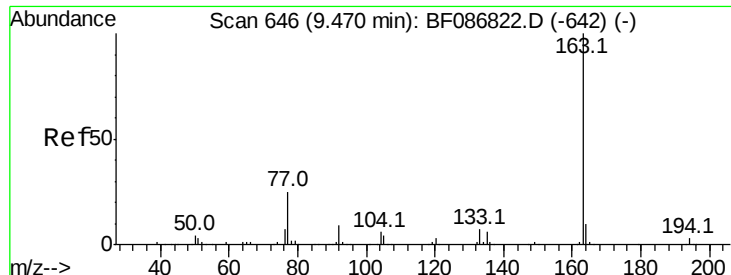
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#44
 2-Fluorobiphenyl
 Concen: 88.04 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087093.D
 Acq: 16 May 2016 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1175943		
171	35.5	29.0	43.6	
170	24.2	19.8	29.8	





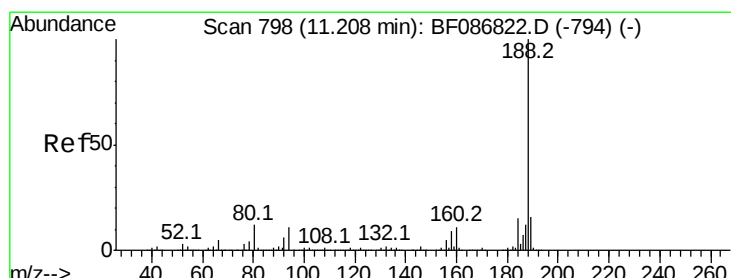
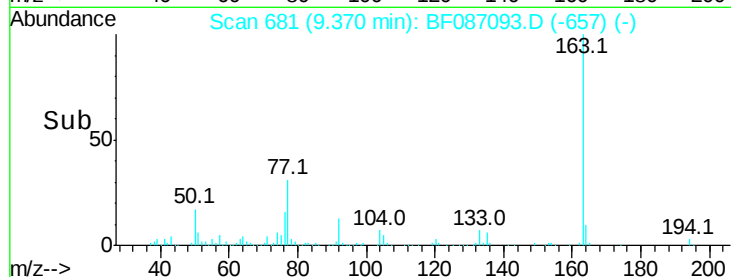
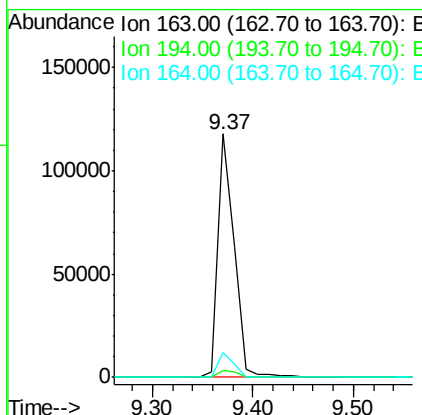
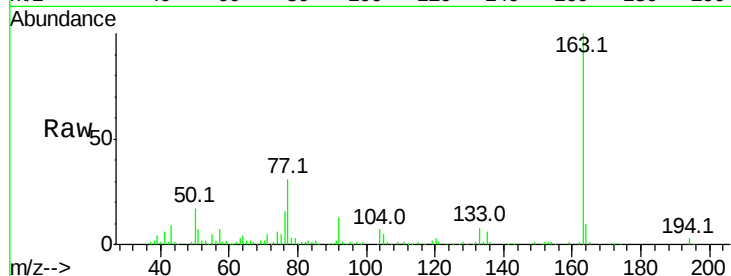
#49
Dimethylphthalate
Concen: 7.76 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.7	2.6	4.0	
164	10.3	8.2	12.4	

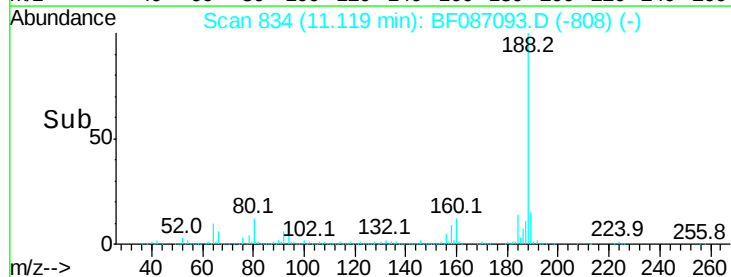
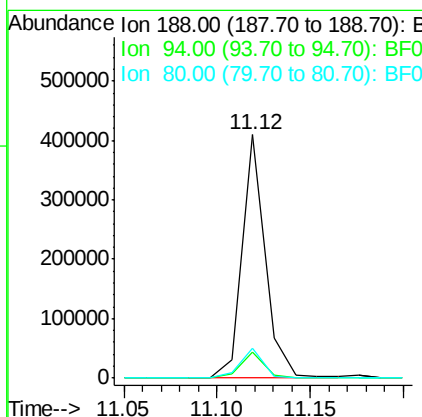
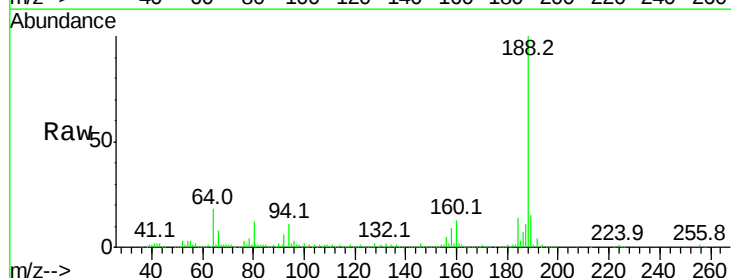
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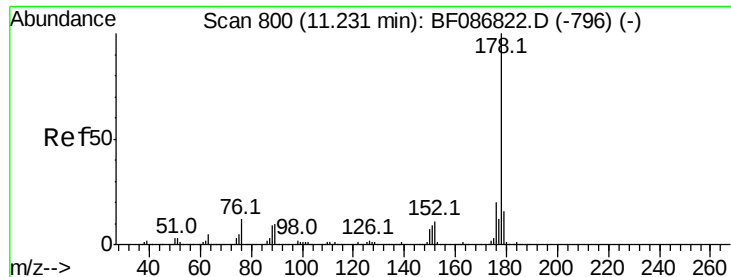
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	6.8	10.2#	
80	12.2	7.1	10.7#	





#70

Phenanthrene

Concen: 8.88 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

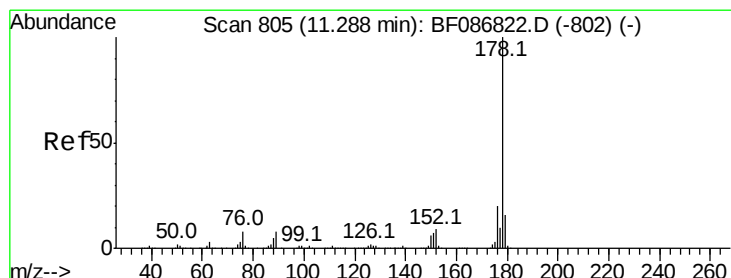
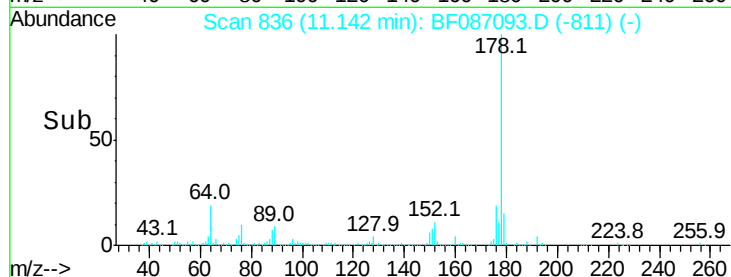
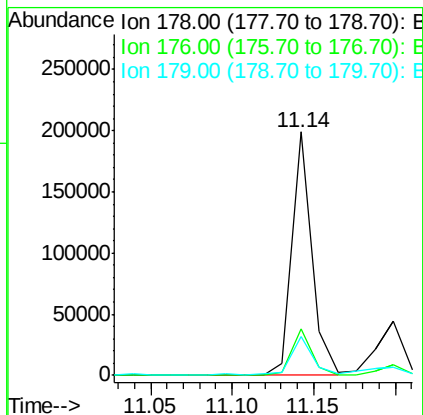
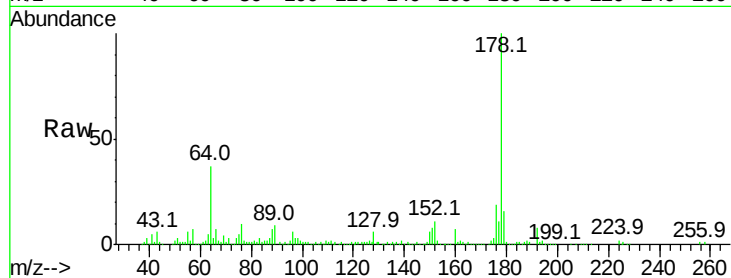
ClientSampleId :

PITT-1-N-WESTRE

Tot Ion:178	Resp:	168561
Ion Ratio	Lower	Upper
178	100	
176	18.9	16.0 24.0
179	15.8	12.6 18.8

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#71

Anthracene

Concen: 2.31 ng

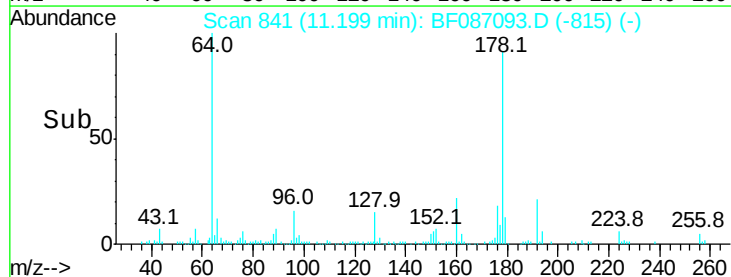
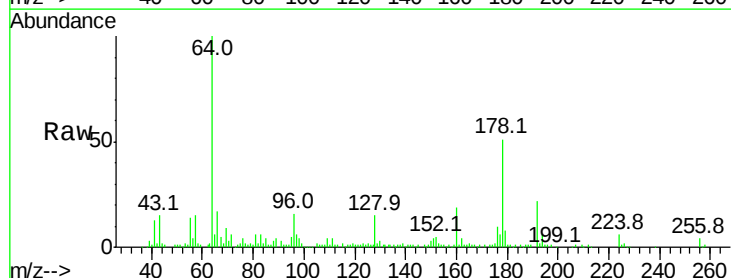
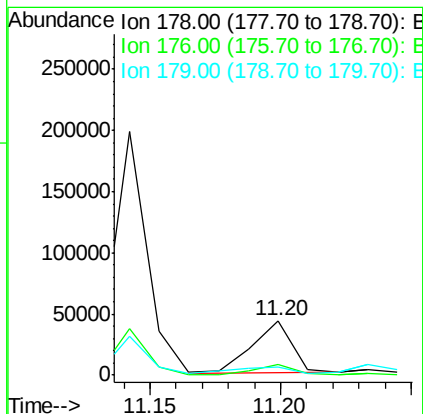
RT: 11.20 min Scan# 841

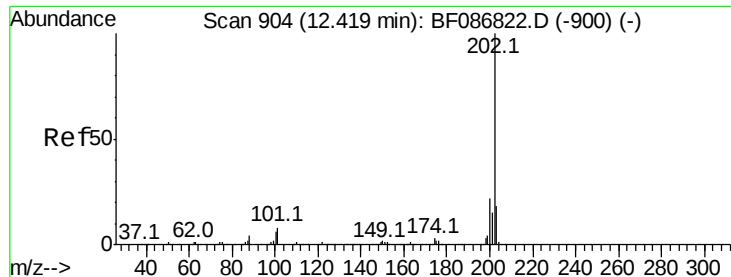
Delta R.T. -0.00 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Tgt Ion:178	Resp:	44899
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.6 23.4
179	15.7	12.7 19.1





#74

Fluoranthene

Concen: 14.85 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

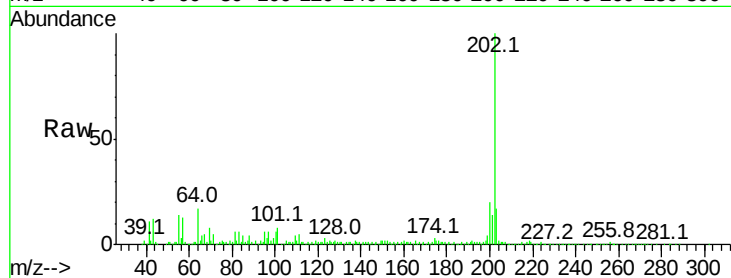
ClientSampleId :

PITT-1-N-WESTRE

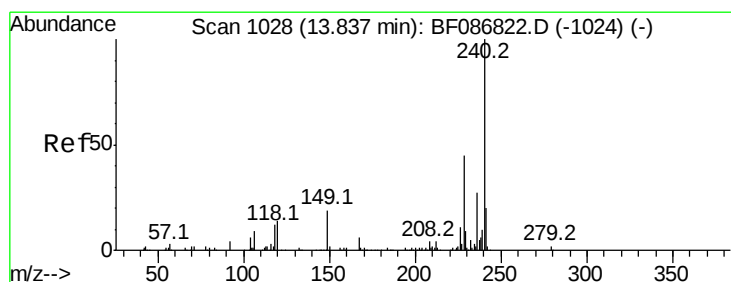
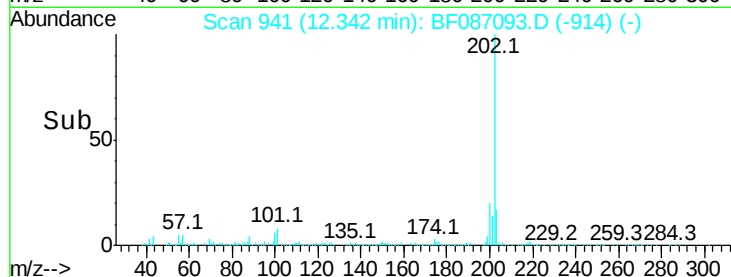
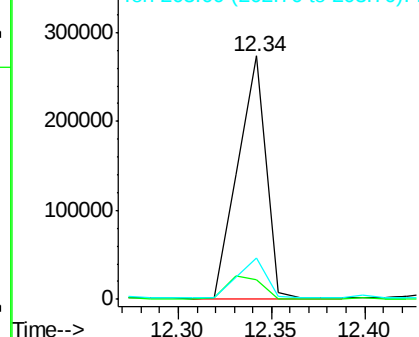
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.3	0.0	35.4
203	17.0	0.0	38.1

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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

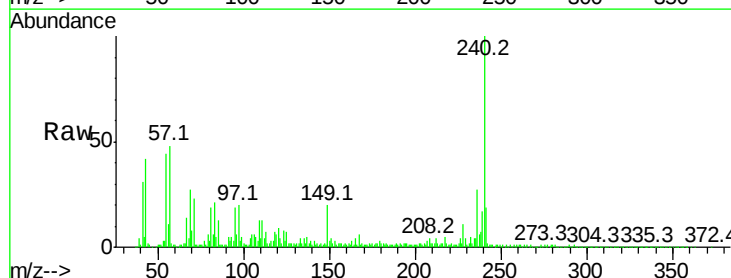
RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

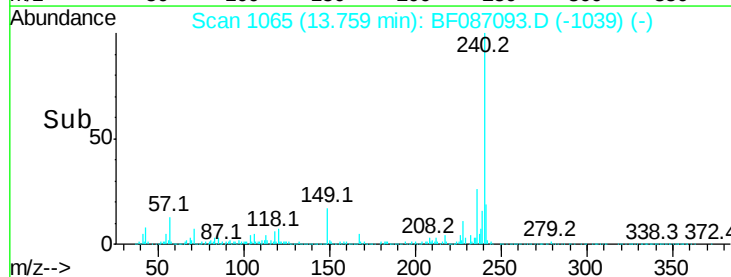
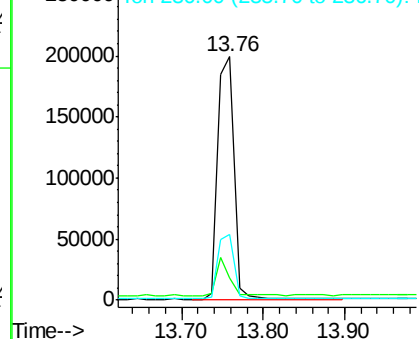
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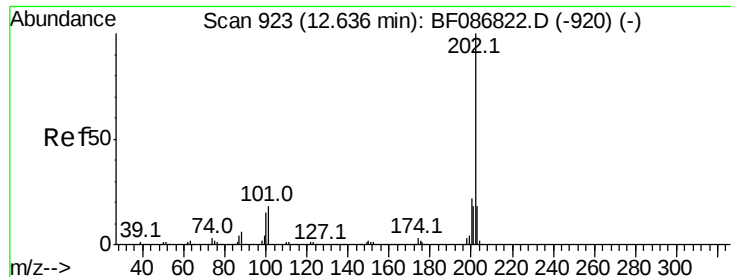
Acq: 16 May 2016 20:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	11.2	16.8#
236	26.9	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

Pvrene

Concen: 11.69 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

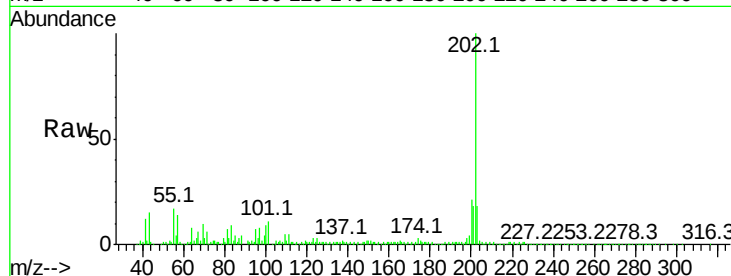
ClientSampleId :

PITT-1-N-WESTRE

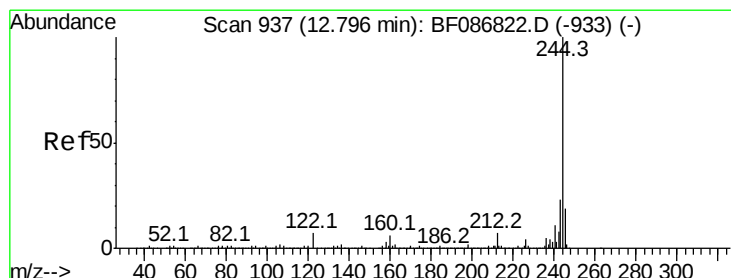
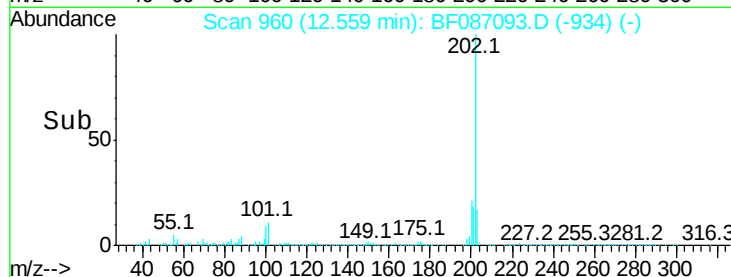
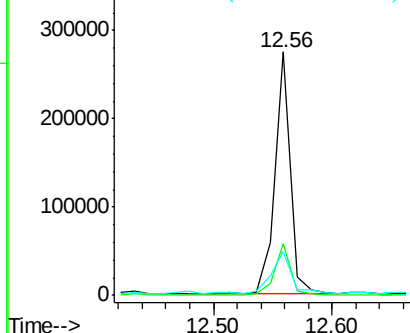
Tot Ion:	202	Resp:	249145
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	18.1	14.2	21.4

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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



#78

Terphenyl-d14

Concen: 64.46 ng

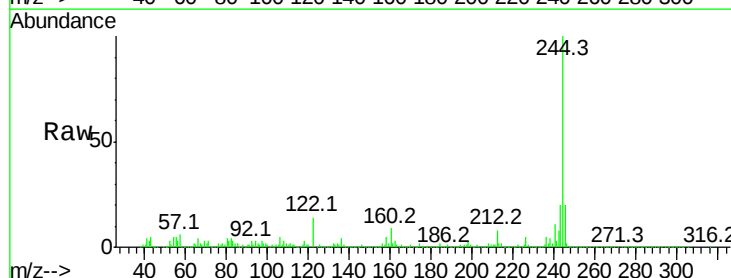
RT: 12.71 min Scan# 973

Delta R.T. -0.00 min

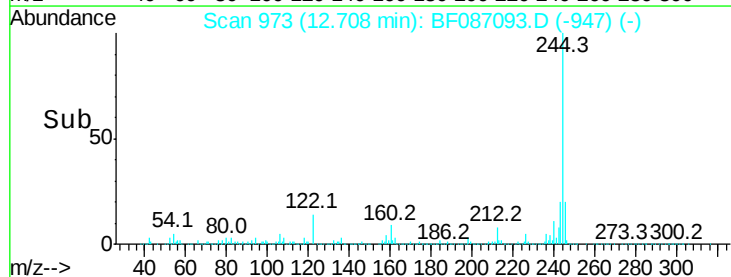
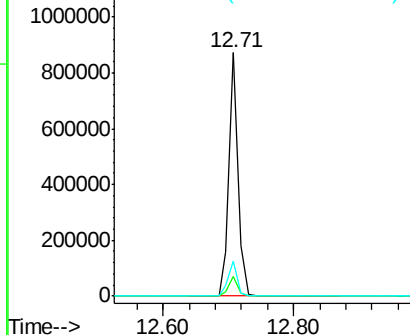
Lab File: BF087093.D

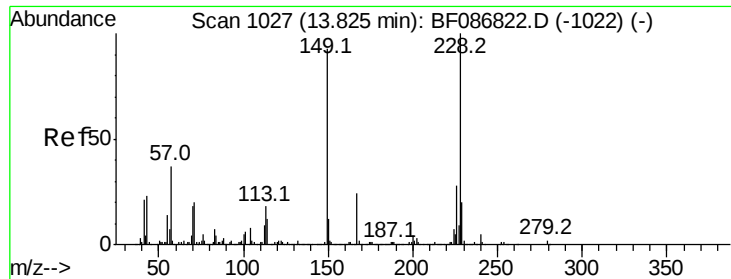
Acq: 16 May 2016 20:51

Tgt Ion:	244	Resp:	845692
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	14.1	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





#80

Benzo(a)anthracene

Concen: 5.69 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

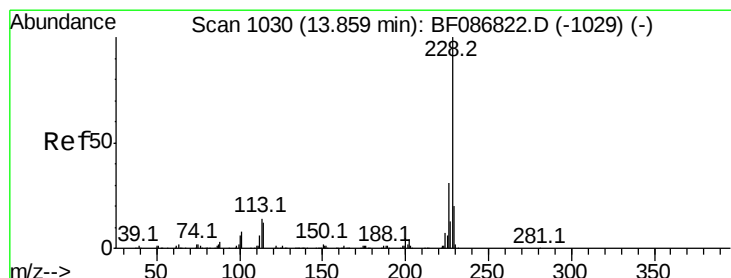
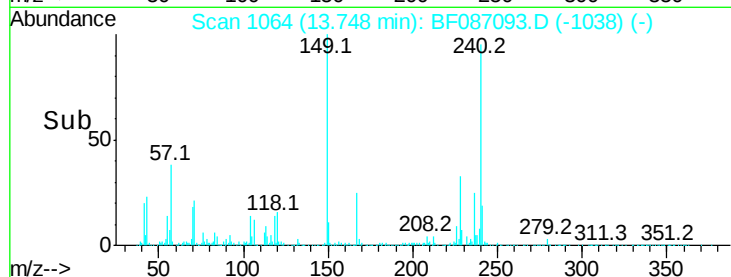
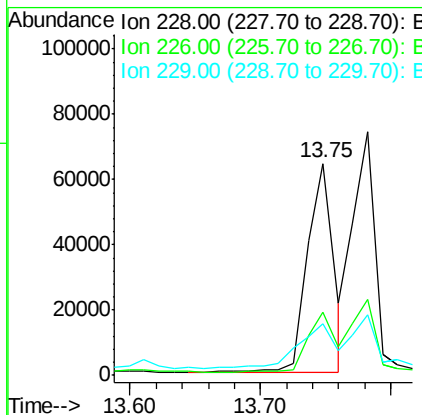
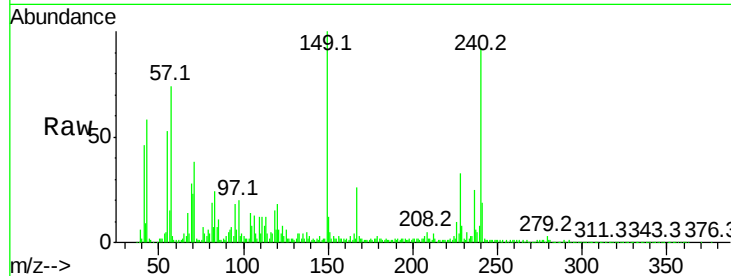
ClientSampleId :

PITT-1-N-WESTRE

Tot Ion:	228	Resp:	88857
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.5	33.7
229	24.6	16.6	25.0

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#82

Chrysene

Concen: 5.58 ng m

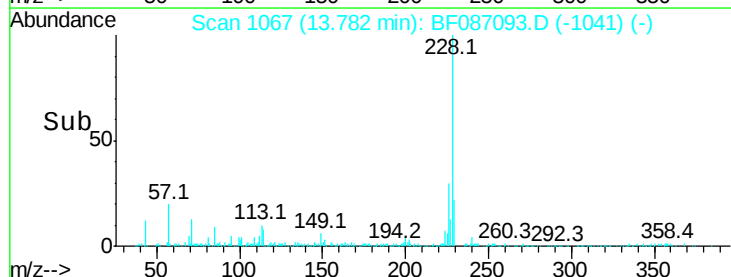
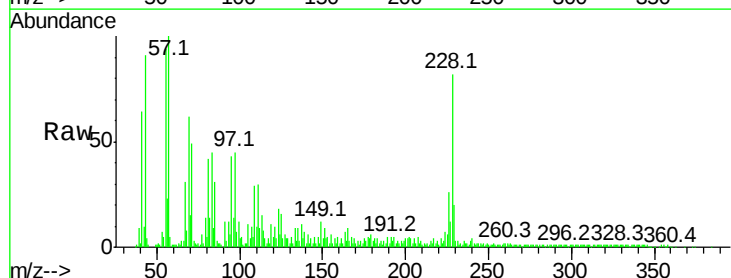
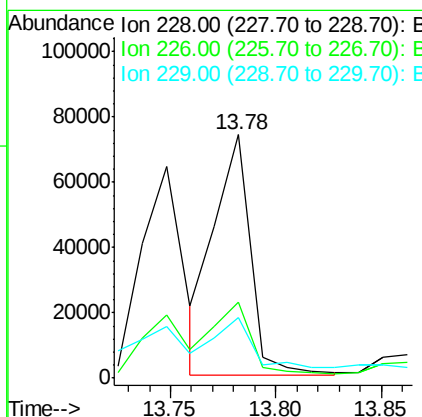
RT: 13.78 min Scan# 1067

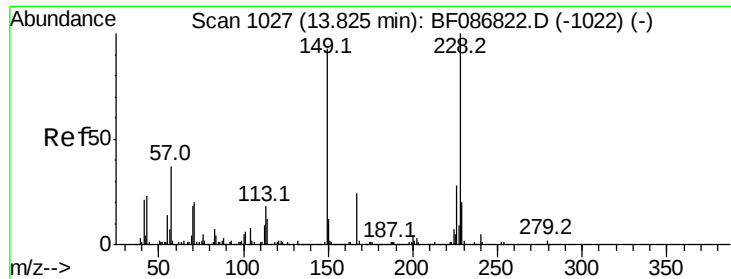
Delta R.T. -0.00 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Tgt Ion:	228	Resp:	88638
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.4	36.6
229	24.7	15.8	23.8#





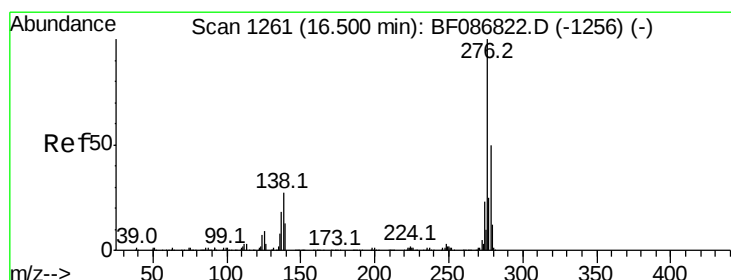
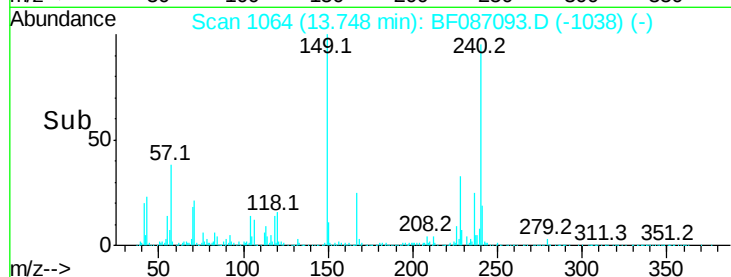
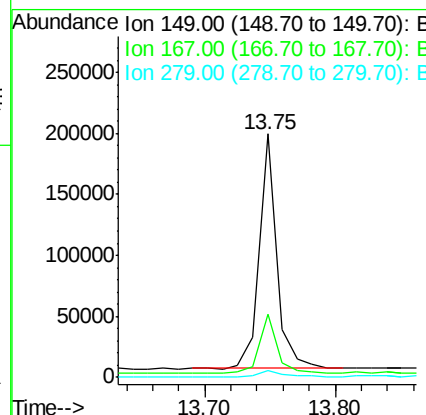
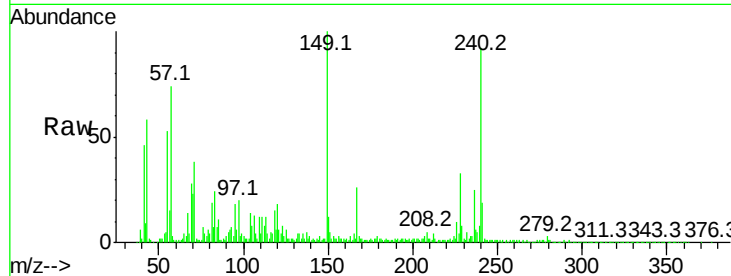
#83
Bis(2-ethylhexyl)phthalate
Concen: 16.82 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.1	21.8	32.6	
279	2.8	2.6	4.0	

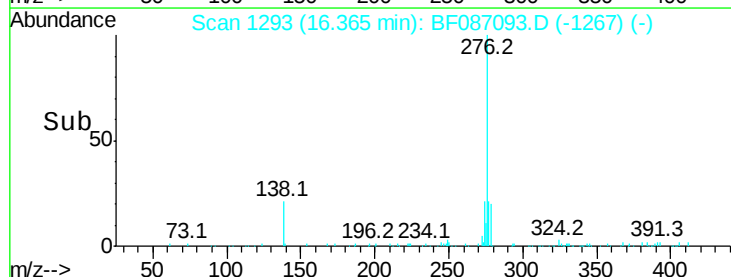
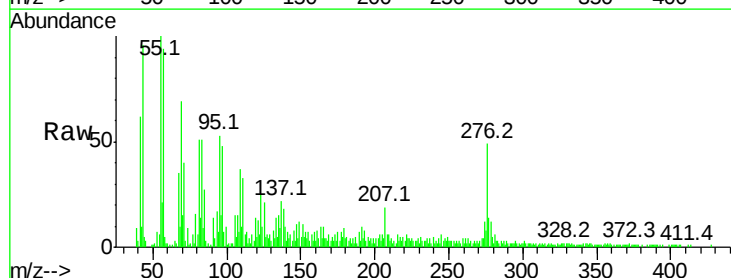
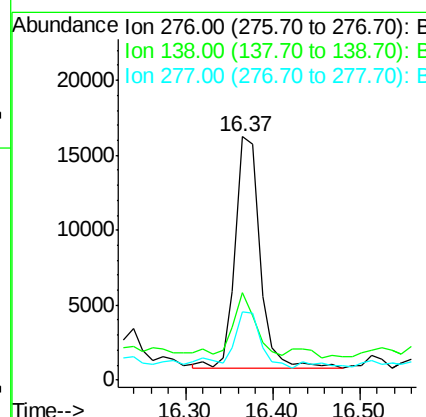
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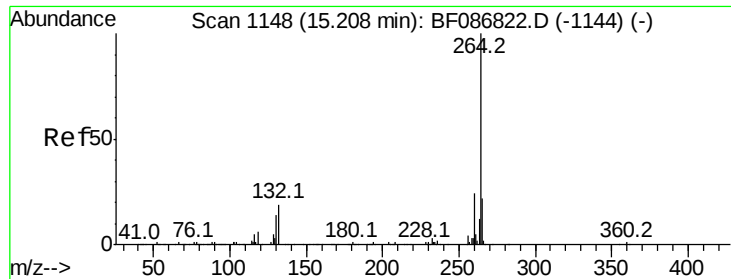
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.32 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	24.3	25.6	38.4#	
277	28.1	20.5	30.7	





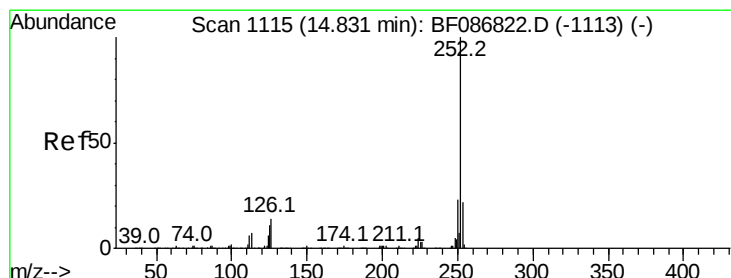
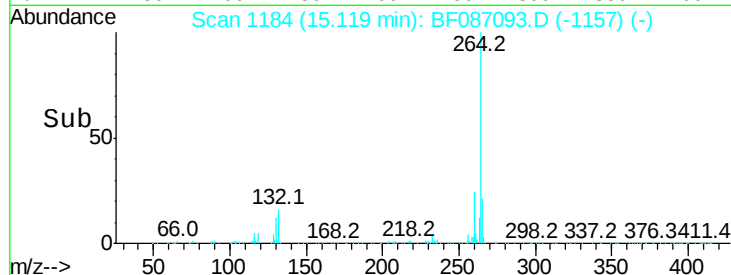
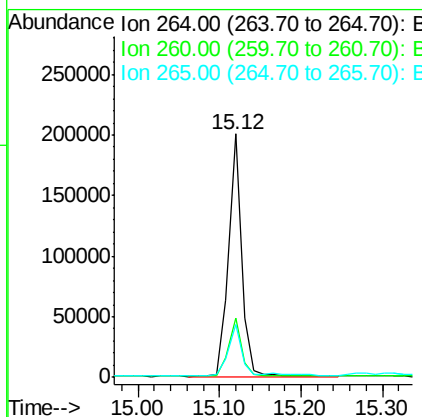
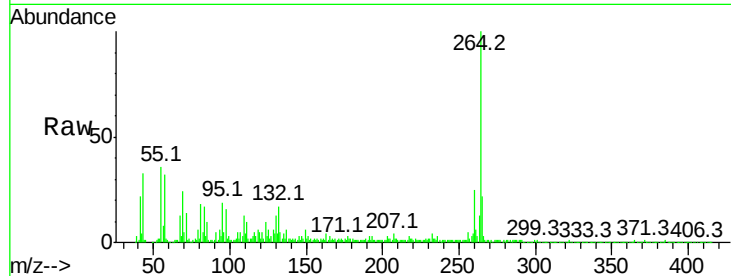
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

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

Tot Ion:	264	Resp:	222510
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.6	17.3	25.9

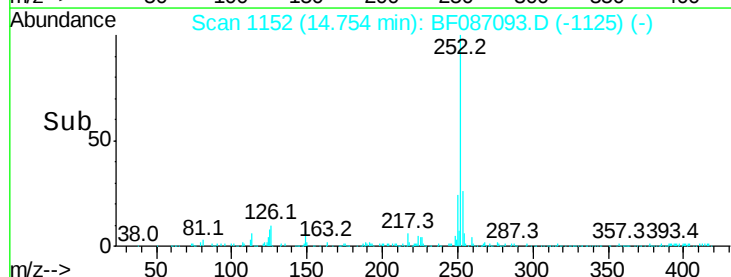
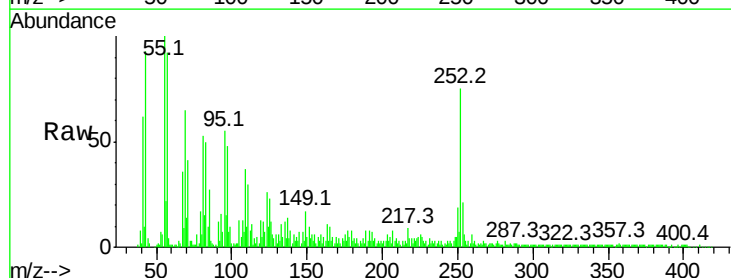
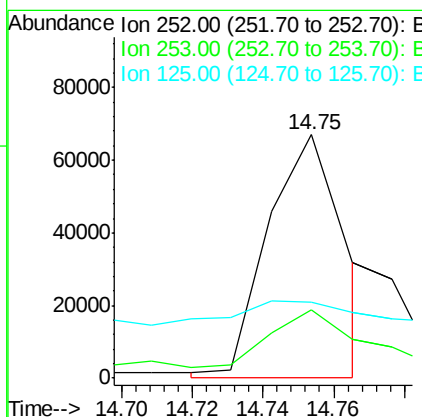
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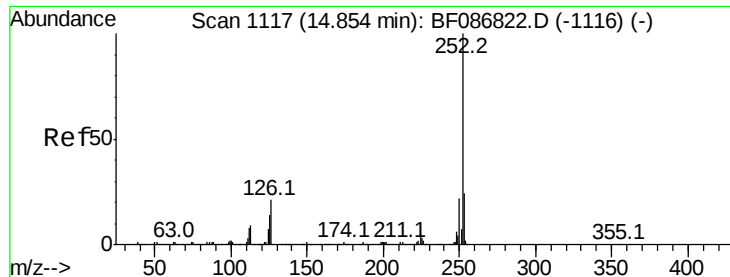
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#87
Benzo(b)fluoranthene
Concen: 6.97 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion:	252	Resp:	100863
Ion Ratio	Lower	Upper	
252	100		
253	28.1	17.8	26.6#
125	31.2	11.4	17.0#





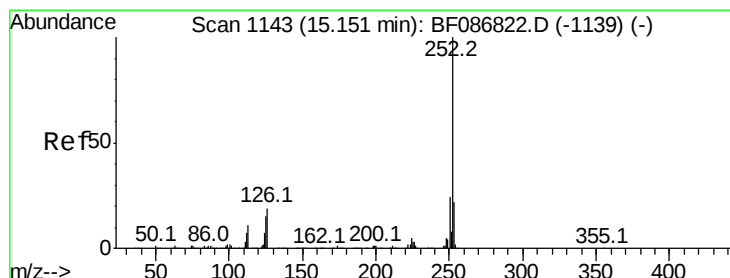
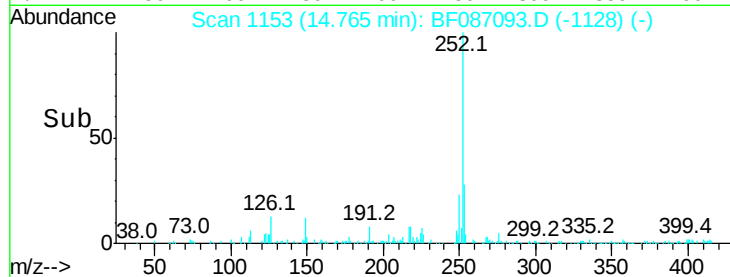
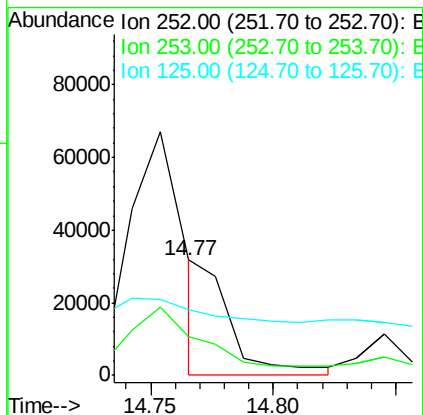
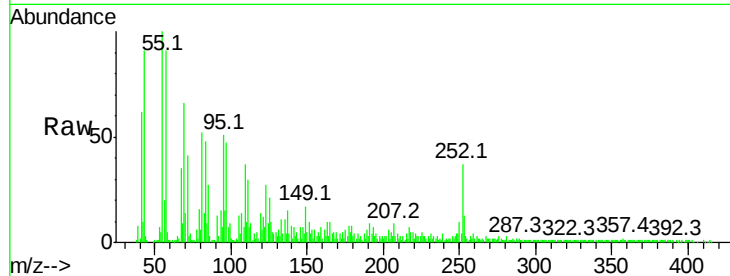
#88
Benzo(k)fluoranthene
Concen: 2.28 ng/ml
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.0	17.8	26.6#
125	56.6	9.1	13.7#

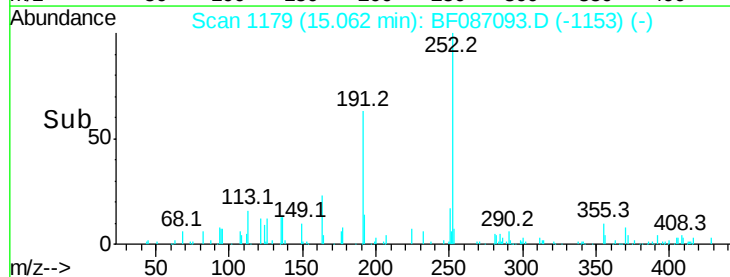
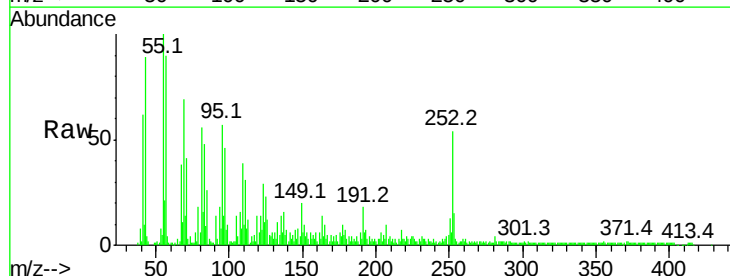
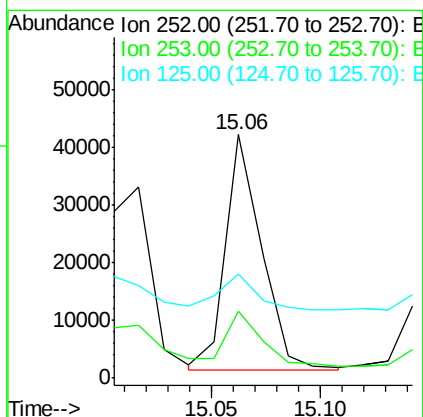
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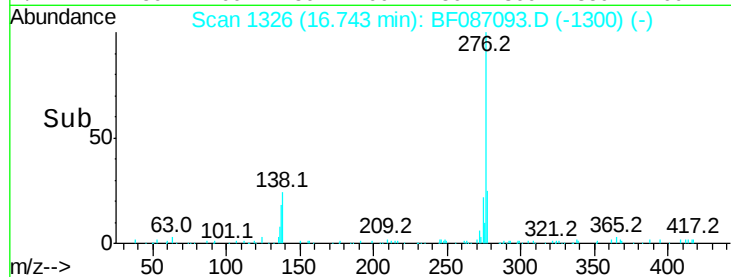
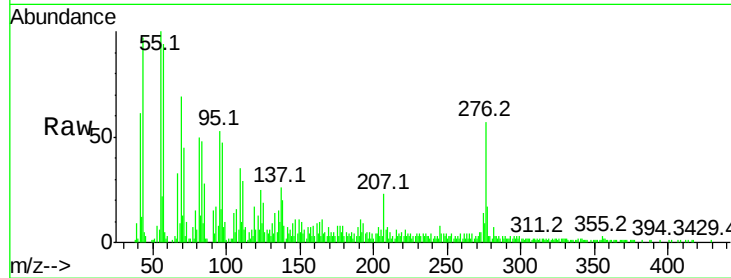
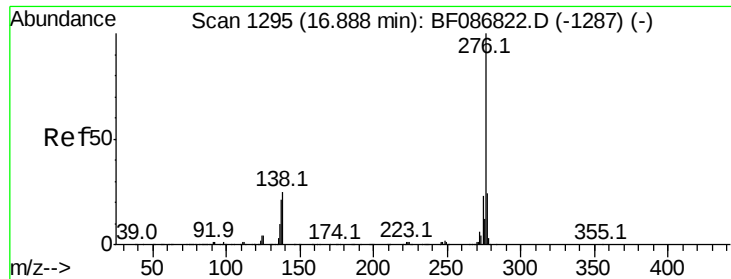
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#89
Benzo(a)pyrene
Concen: 3.76 ng/ml
RT: 15.06 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.2	25.8#
125	43.0	9.0	13.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.99 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF087093.D
 Acq: 16 May 2016 20:51

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.4	19.6	29.4#
138	34.2	23.6	35.4

Manual Integrations
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