

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086696.D
 Acq On : 5 May 2016 00:28
 Operator : UM/SJ
 Sample : H2715-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-3(16-23FTBGS)

Manual Integrations
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Quant Time: May 05 04:55:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	162774	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	576471	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	230818	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	330432m	40.00	ng	0.00
75) Chrysene-d12	13.88	240	340178	40.00	ng	0.00
86) Perylene-d12	15.28	264	253997	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1236309	125.74	ng	0.01
7) Phenol-d6	6.38	99	1553983	117.33	ng	0.01
23) Nitrobenzene-d5	7.31	82	1167349	104.06	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	278690	123.43	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1275261	90.57	ng	0.00
78) Terphenyl-d14	12.84	244	848475	50.41	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	206982	12.03	ng	98
70) Phenanthrene	11.28	178	201395	11.35	ng	99
71) Anthracene	11.33	178	62308	3.35	ng	99
74) Fluoranthene	12.46	202	201764	11.34	ng	95
77) Pyrene	12.69	202	180144	6.64	ng	98
80) Benzo(a)anthracene	13.88	228	88810	4.62	ng	96
82) Chrysene	13.92	228	76629m	3.73	ng	
87) Benzo(b)fluoranthene	14.89	252	66136m	4.33	ng	
88) Benzo(k)fluoranthene	14.90	252	34160m	2.38	ng	
89) Benzo(a)pyrene	15.22	252	47650	3.39	ng	# 92

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

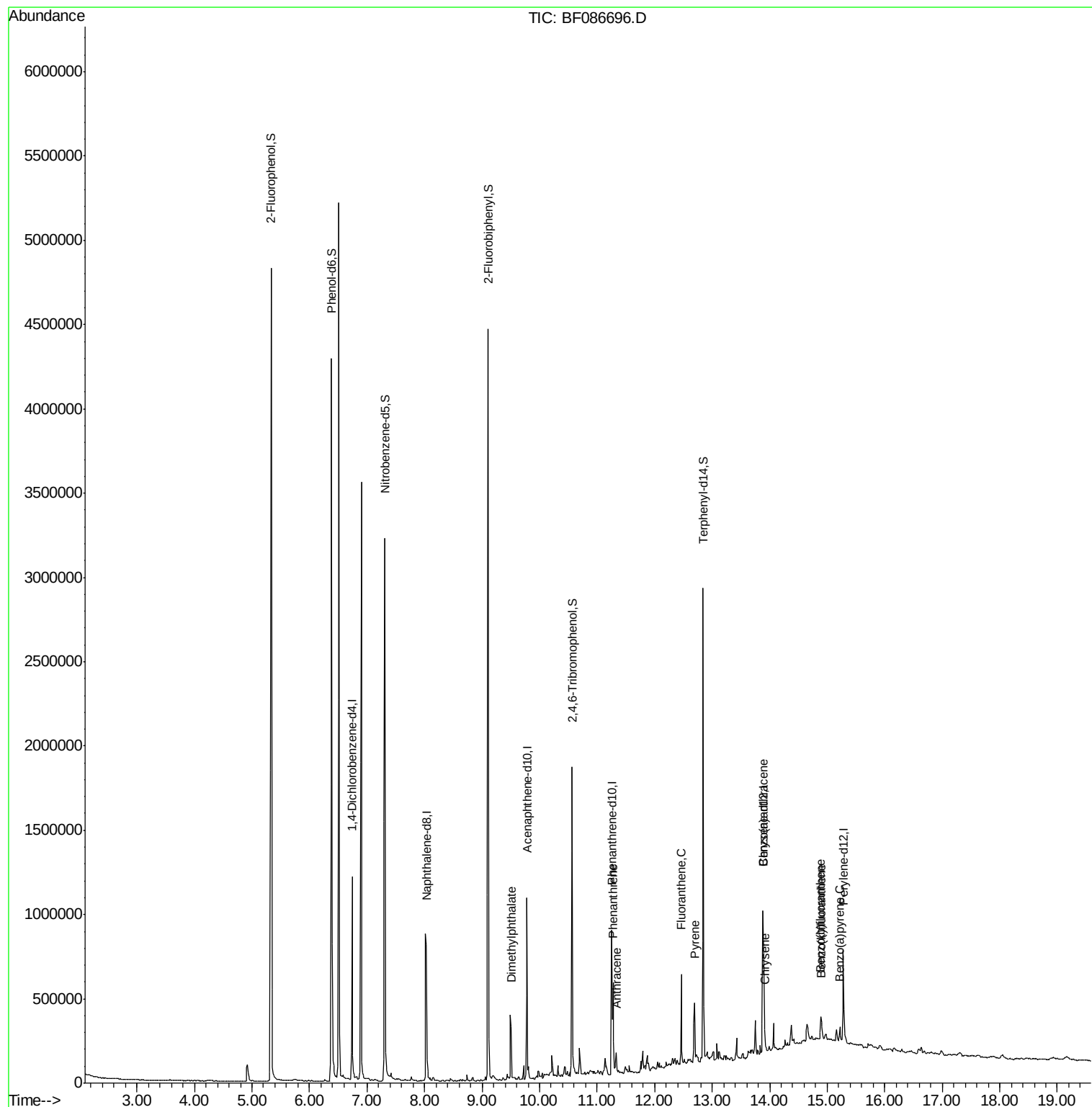
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
Data File : BF086696.D
Acq On : 5 May 2016 00:28
Operator : UM/SJ
Sample : H2715-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

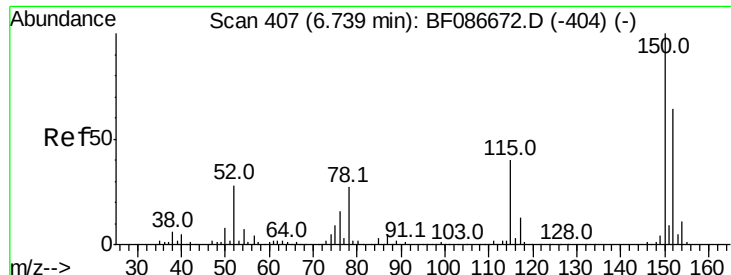
Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

Manual Integrations
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#1

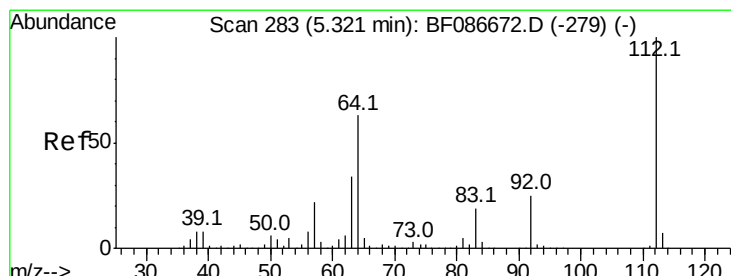
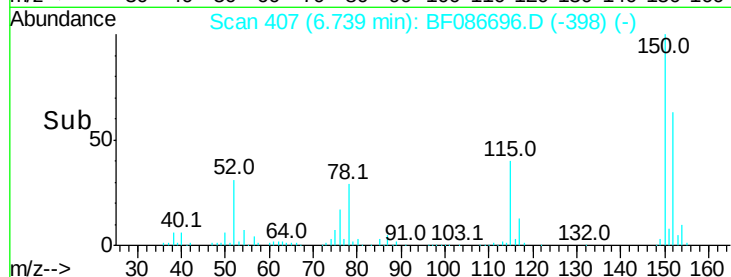
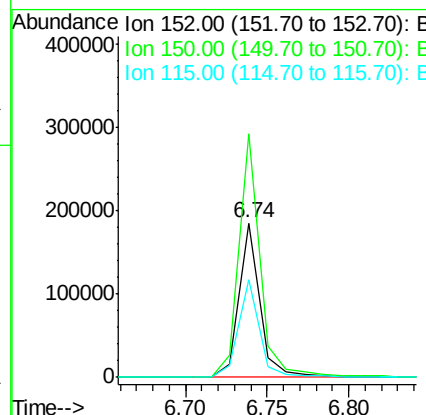
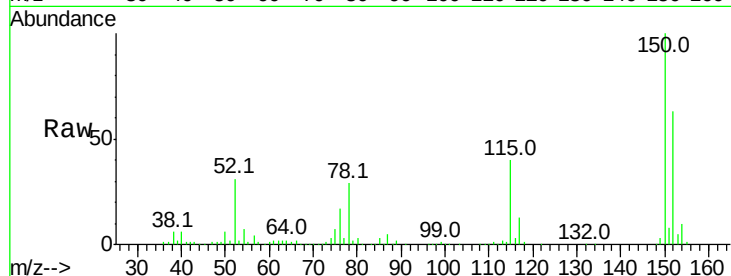
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.8	188.6
115	63.1	51.5	77.3

Manual Integrations
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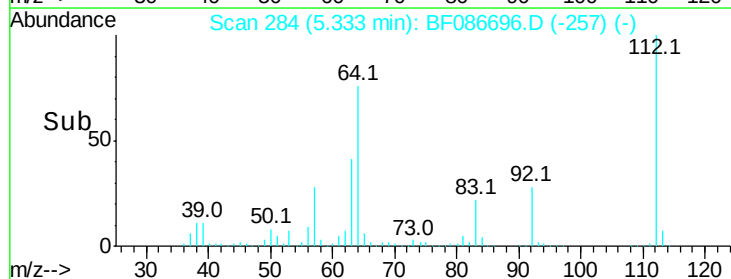
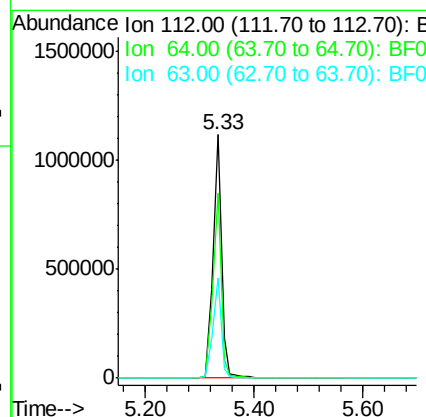
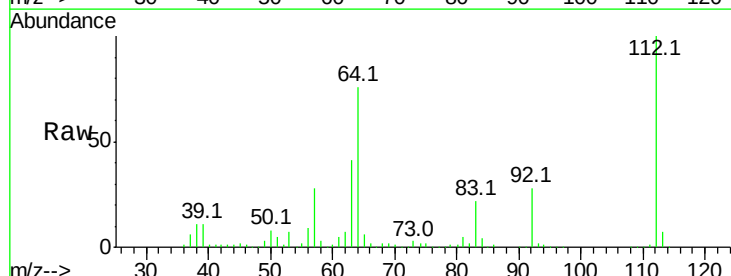
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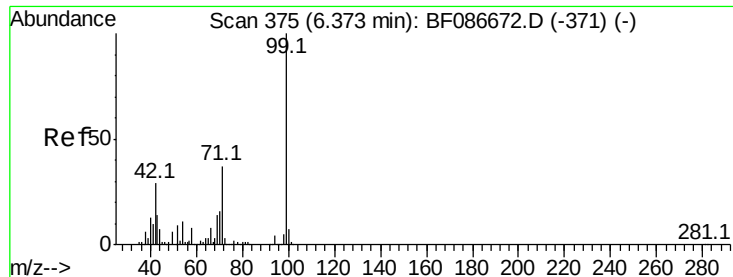


#5

2-Fluorophenol
Concen: 125.74 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.01 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.1	52.1	78.1
63	41.1	25.7	38.5





#7

Phenol-d6

Concen: 117.33 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

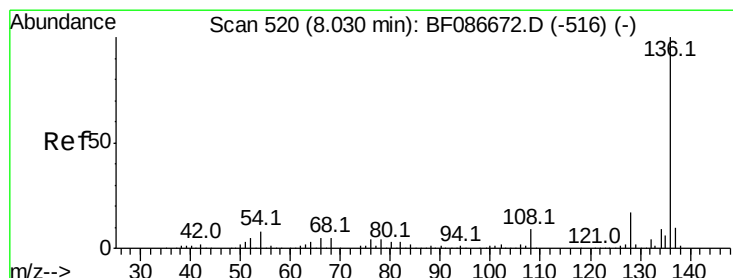
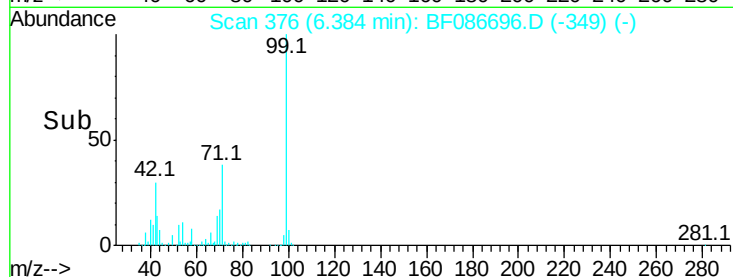
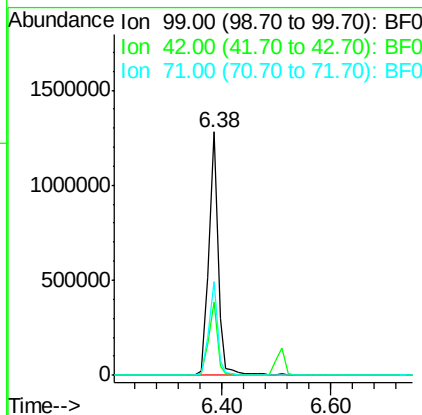
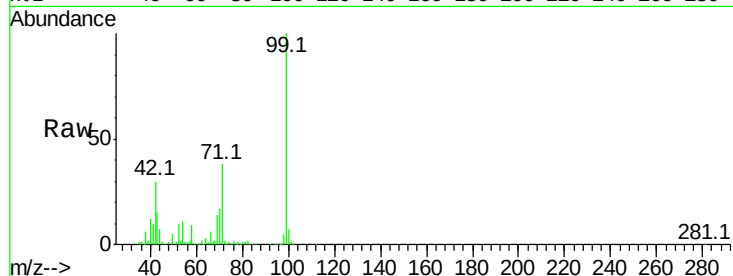
ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

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Tot Ion:	99	Resp:	1553983
Ion	Ratio	Lower	Upper
99	100		
42	30.2	13.6	20.4#
71	38.3	24.6	36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

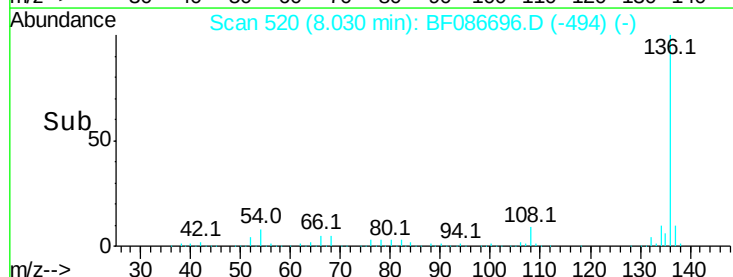
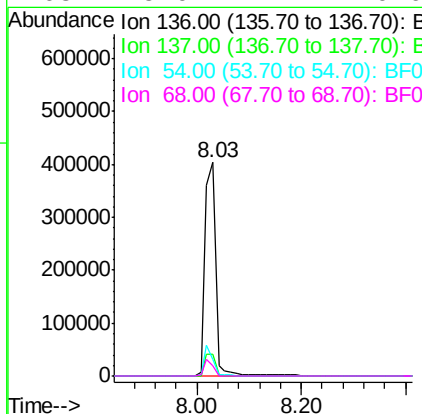
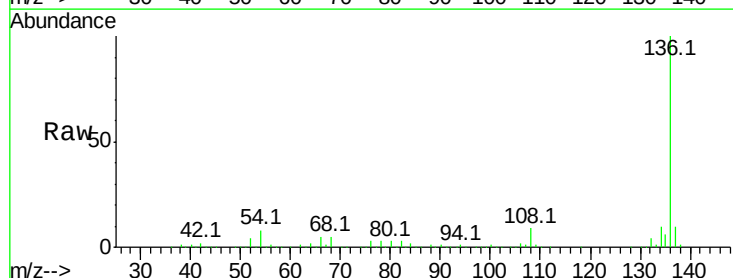
RT: 8.03 min Scan# 520

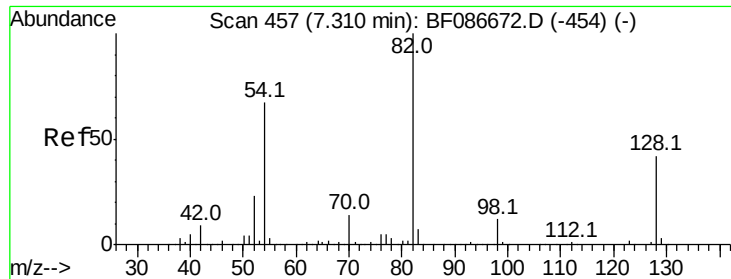
Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Tgt Ion:	136	Resp:	576471
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	8.1	5.0	7.4#
68	5.0	4.4	6.6





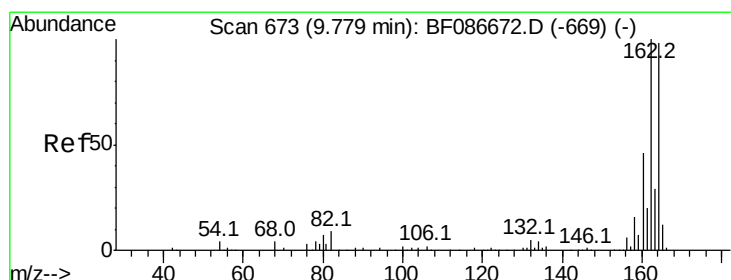
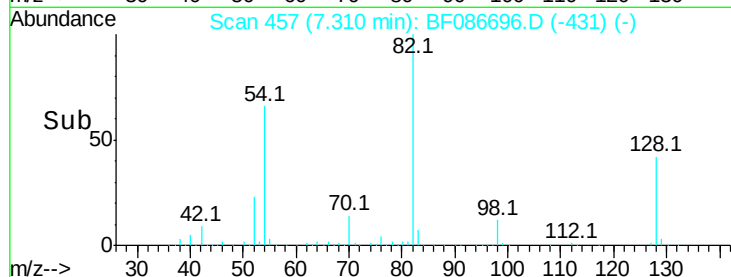
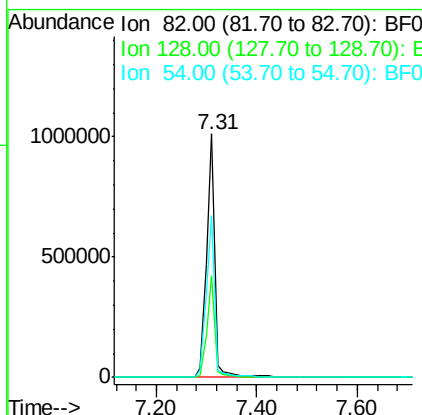
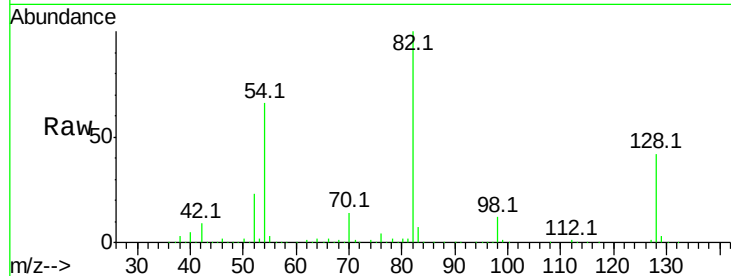
#23
 Nitrobenzene-d5
 Concen: 104.06 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-3(16-23FTBGS)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	40.6	61.0
54	66.3	38.1	57.1#

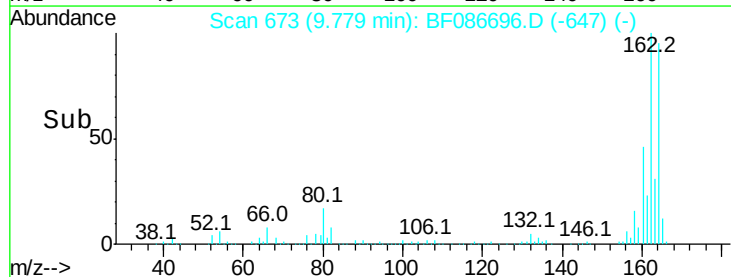
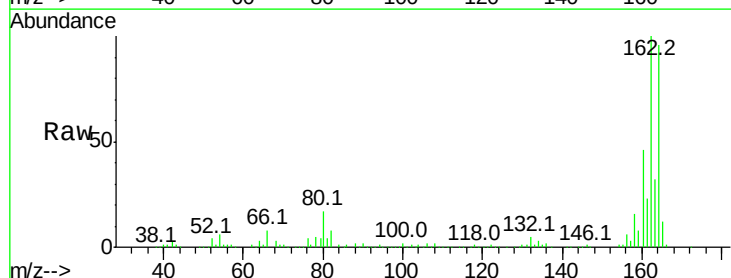
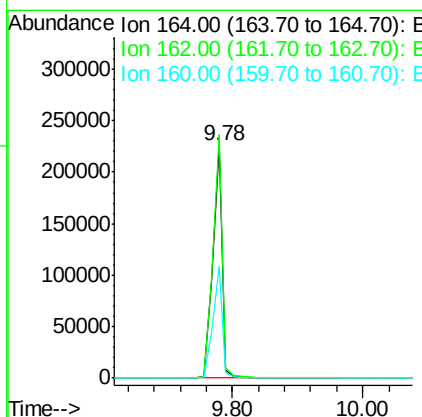
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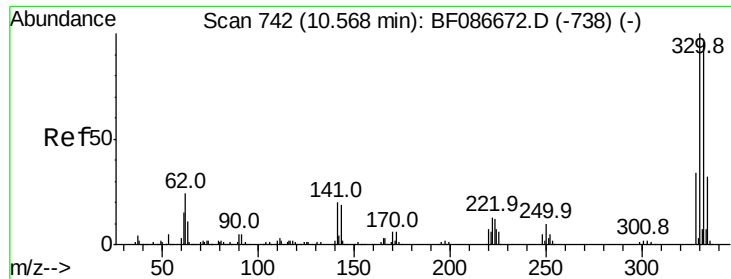
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#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.8	124.2
160	48.1	36.9	55.3





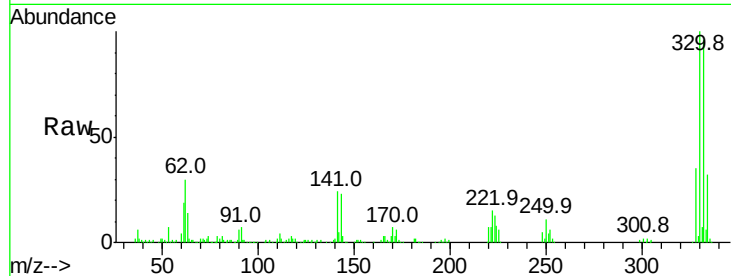
#41
 2,4,6-Tribromophenol
 Concen: 123.43 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-3(16-23FTBGS)

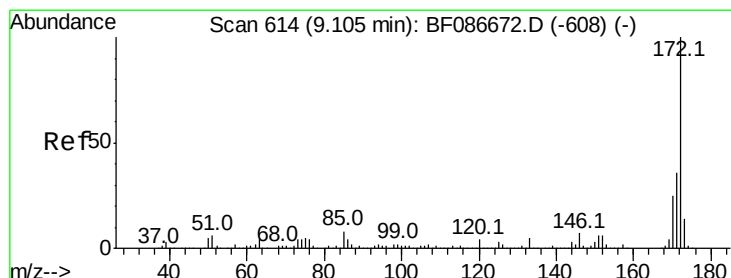
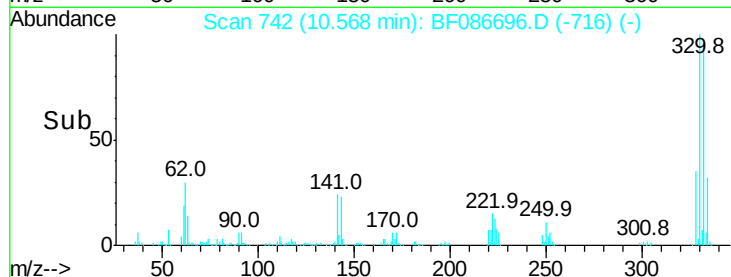
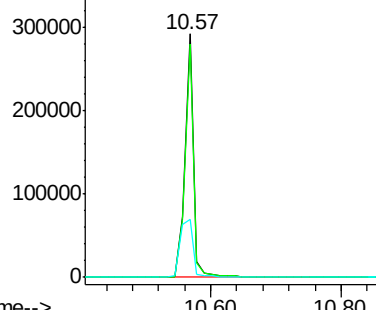
Tot Ion	Ratio	Resp	Lower	Upper
330	100	278690		
332	96.4	79.0	118.4	
141	36.5	31.2	46.8	

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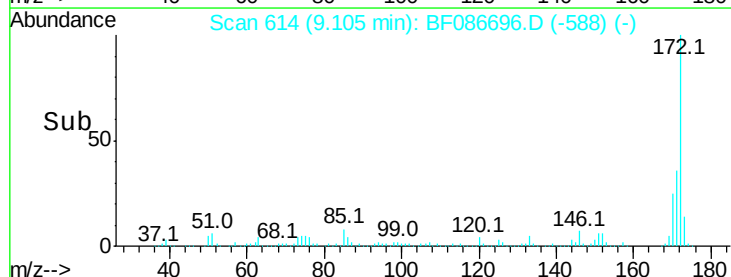
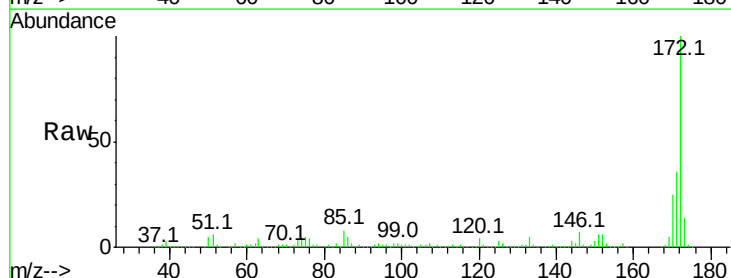
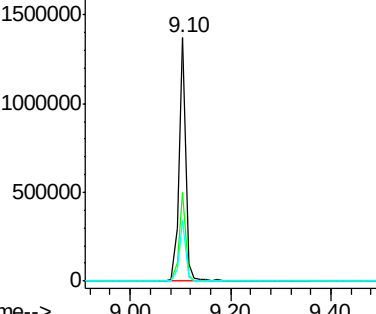
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

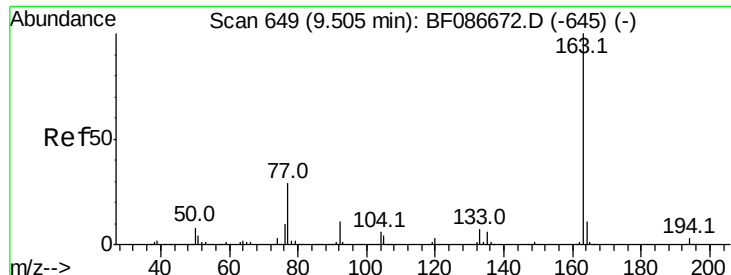


#44
 2-Fluorobiphenyl
 Concen: 90.57 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1275261		
171	36.4	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





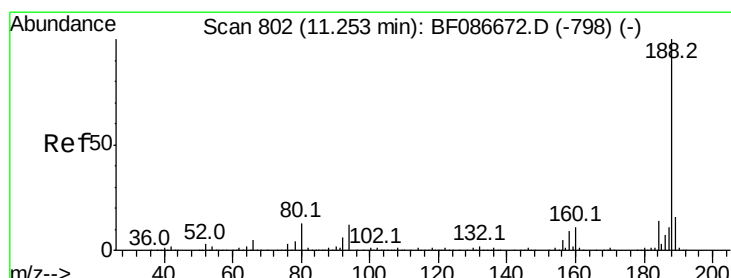
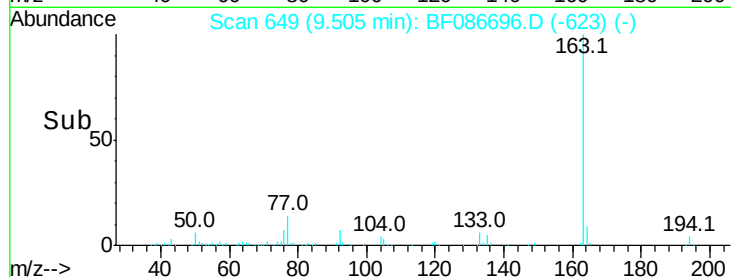
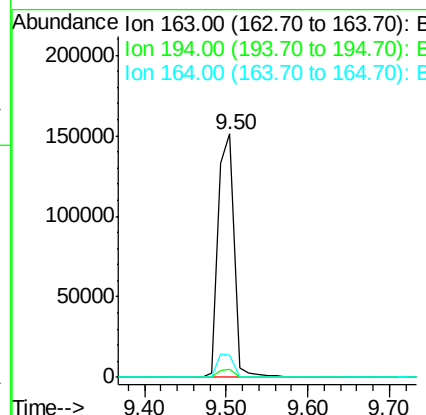
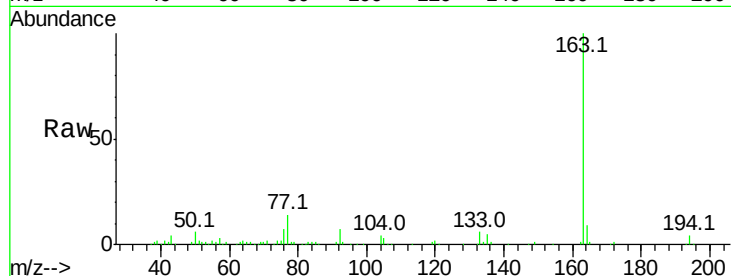
#49
Dimethylphthalate
Concen: 12.03 ng
RT: 9.50 min Scan# 649
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	206982		
194	3.6		2.6	4.0
164	9.2		8.2	12.4

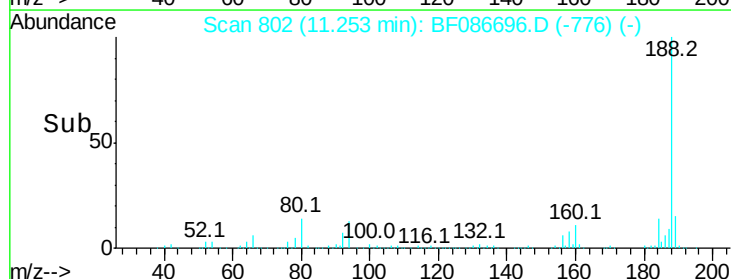
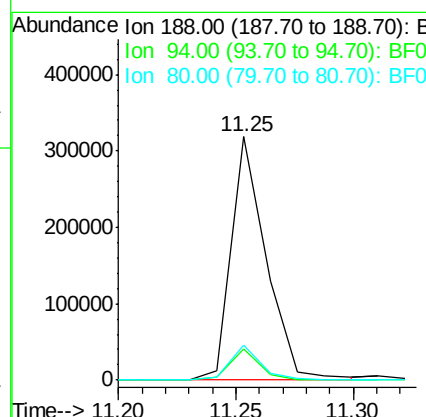
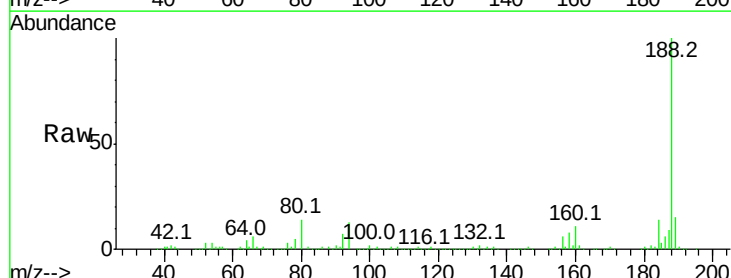
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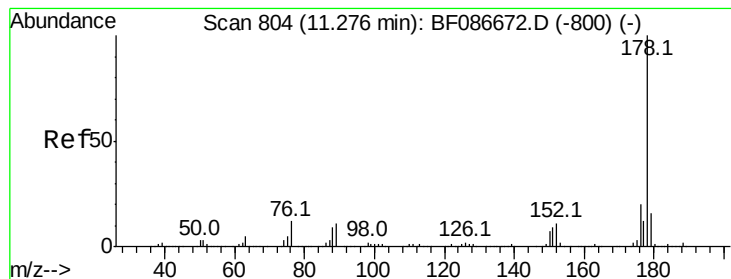
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#63
Phenanthrene-d10
Concen: 40.00 ng m
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	330432		
94	12.6		6.8	10.2#
80	14.2		7.1	10.7#





#70

Phenanthrene

Concen: 11.35 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

Tot Ion:178 Resp: 201395

Ion Ratio Lower Upper

178 100

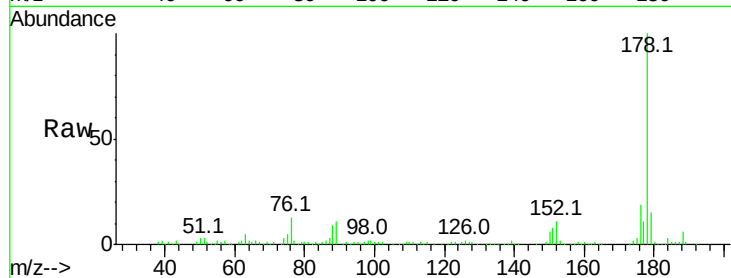
176 19.3 16.0 24.0

179 15.4 12.6 18.8

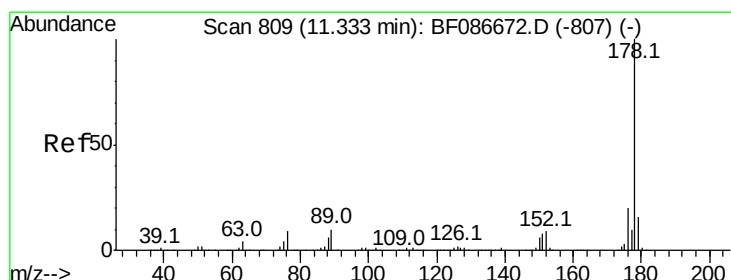
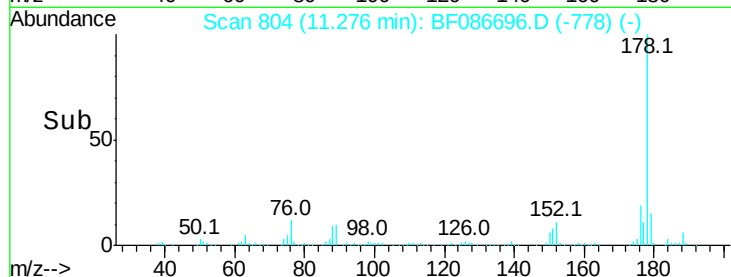
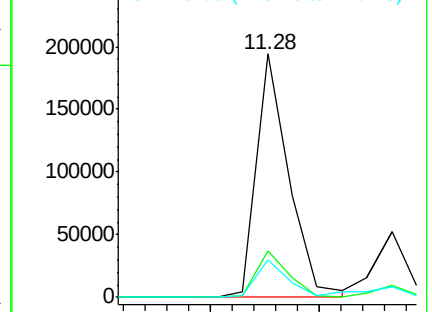
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.35 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

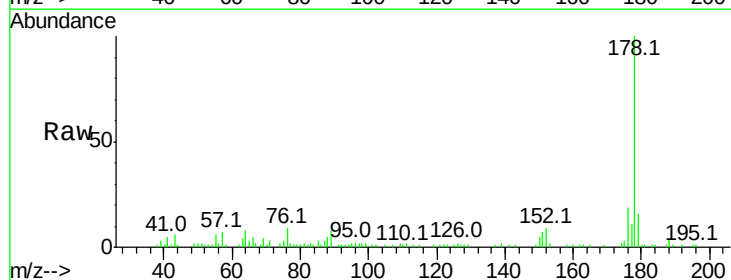
Tgt Ion:178 Resp: 62308

Ion Ratio Lower Upper

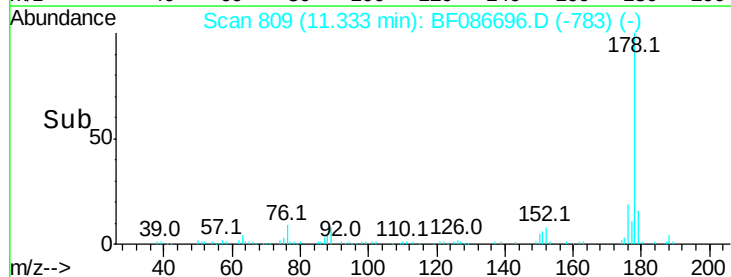
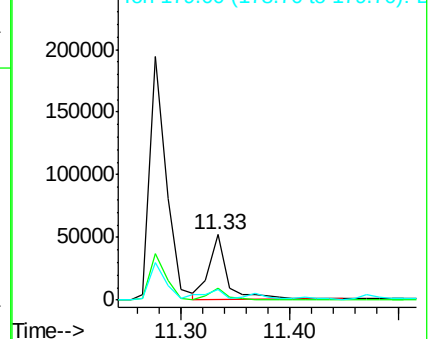
178 100

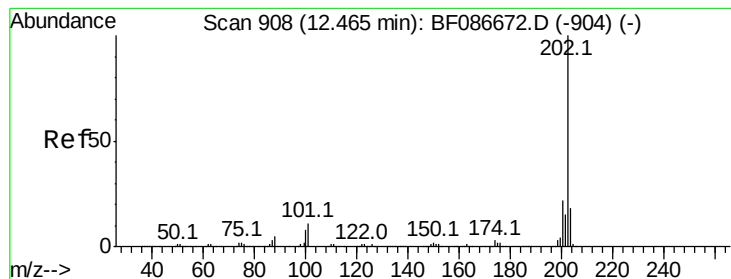
176 18.5 15.6 23.4

179 16.2 12.7 19.1



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





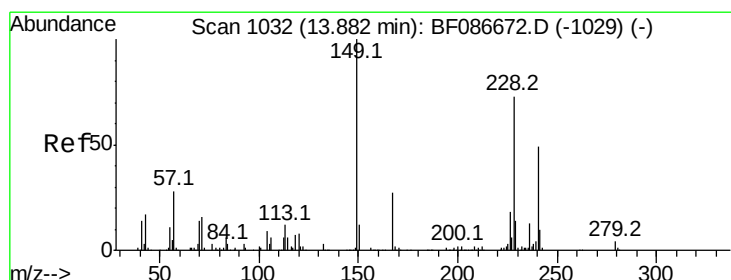
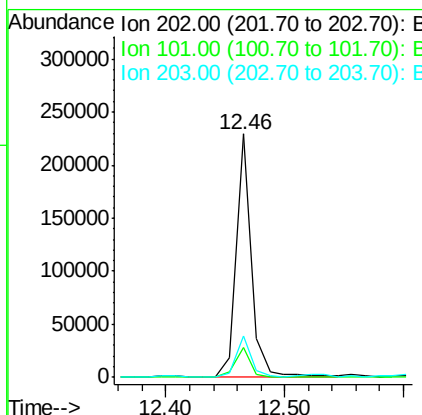
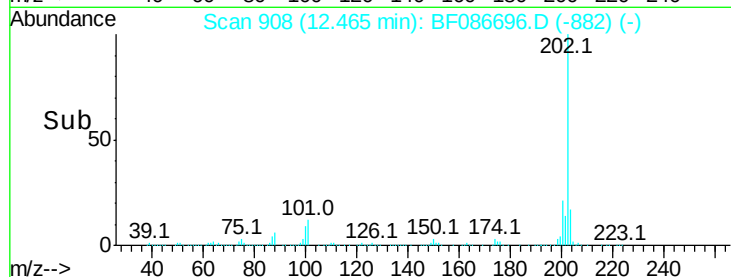
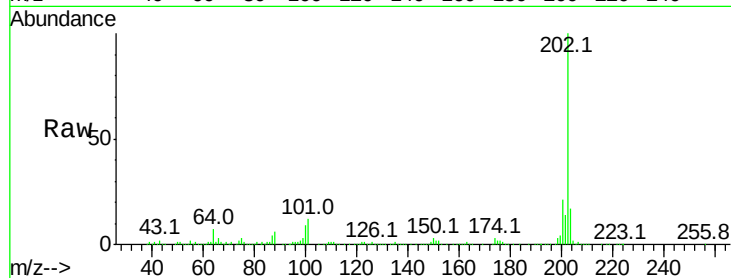
#74
 Fluoranthene
 Concen: 11.34 ng
 RT: 12.46 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-3(16-23FTBGS)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	35.4
203	16.8	0.0	38.1

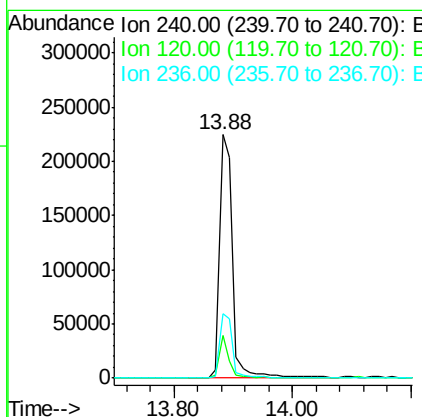
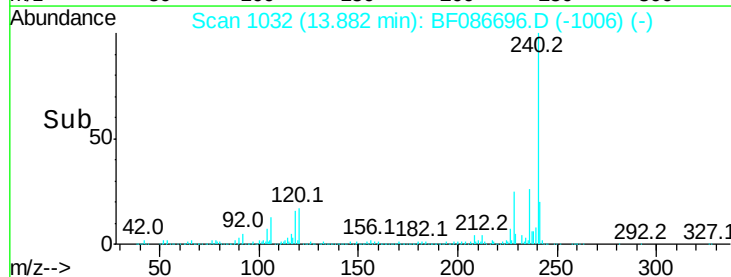
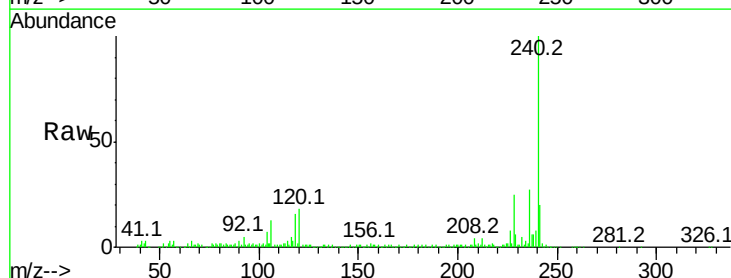
Manual Integrations
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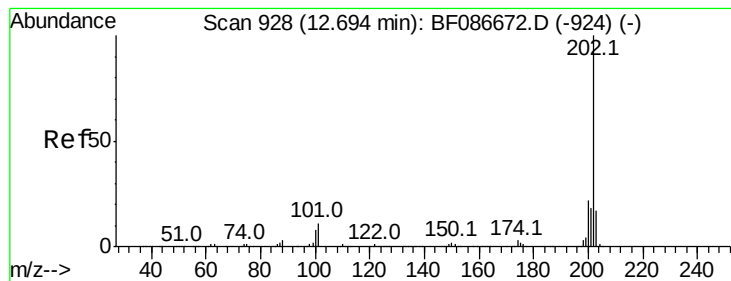
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#75
 Chrysene-d12
 Concen: 40.00 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.5	11.2	16.8#
236	26.7	21.2	31.8





#77

Pvrene

Concen: 6.64 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

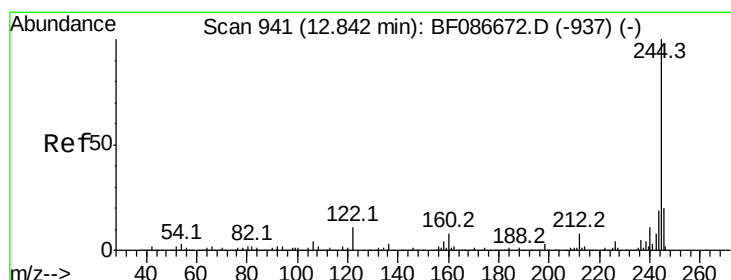
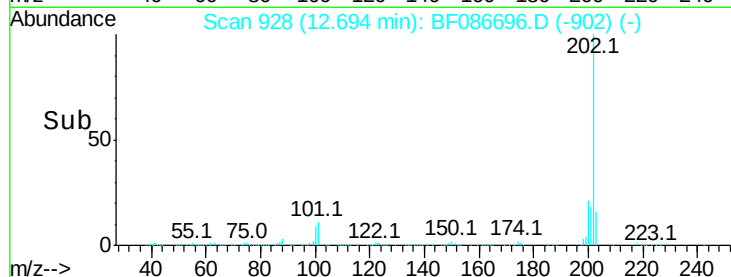
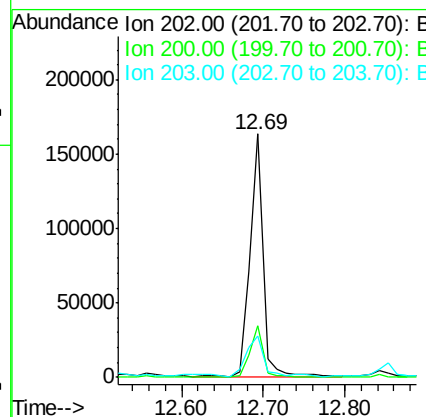
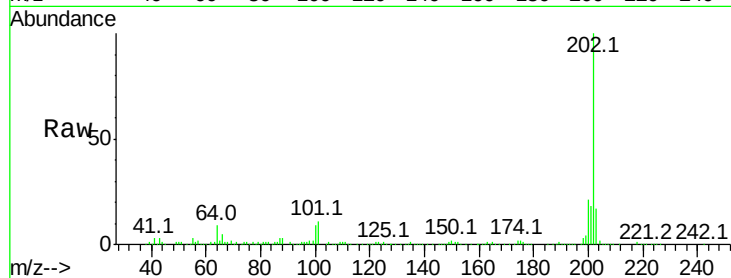
ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

Tot Ion:	202	Resp:	180144
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.7	26.5
203	17.0	14.2	21.4

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#78

Terphenyl-d14

Concen: 50.41 ng

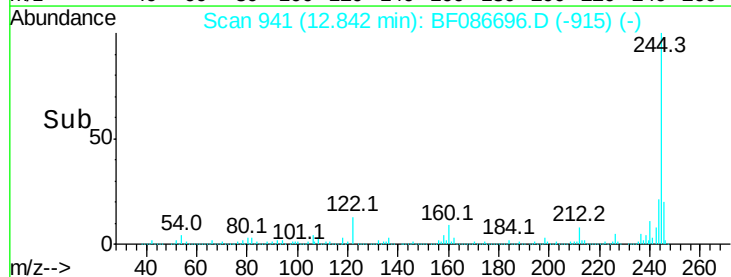
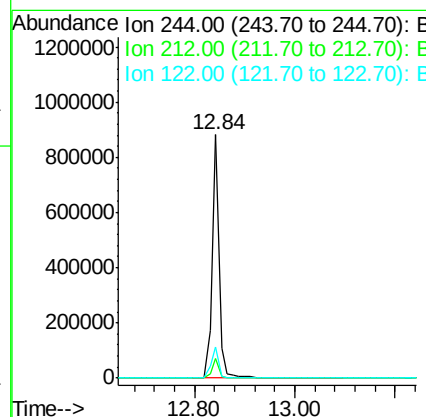
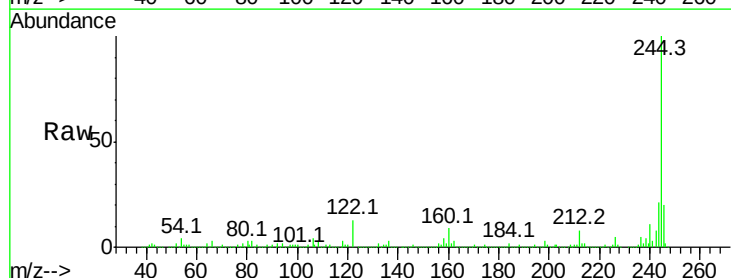
RT: 12.84 min Scan# 941

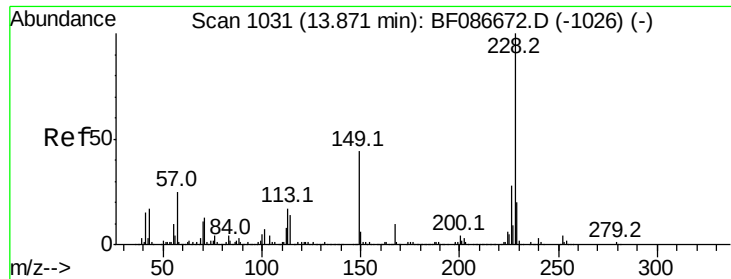
Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Tgt Ion:	244	Resp:	848475
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	13.0	12.0	18.0





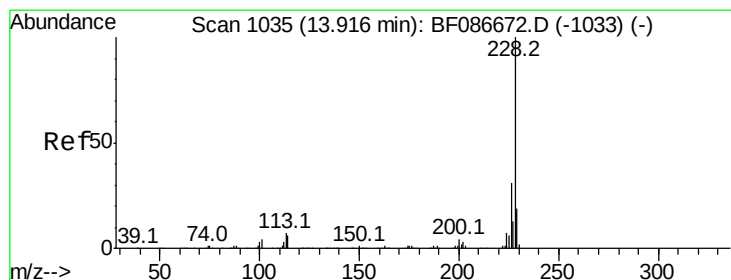
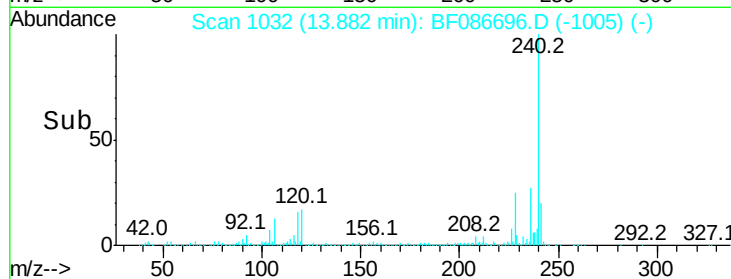
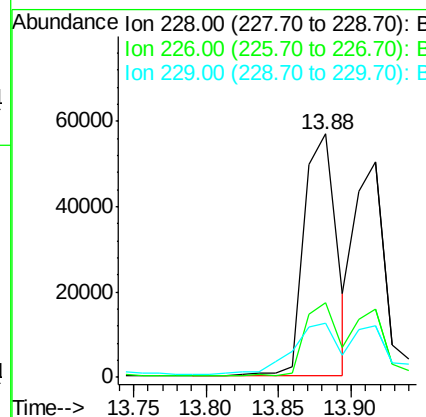
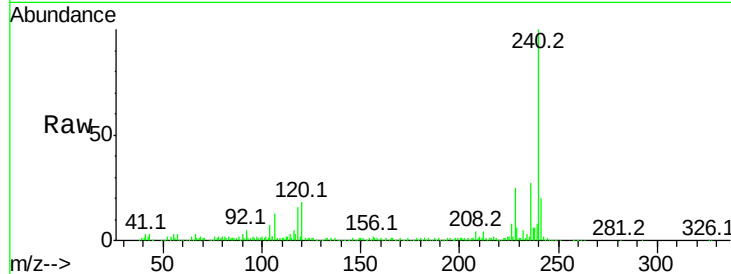
#80
Benzo(a)anthracene
Concen: 4.62 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.5	33.7
229	22.2	16.6	25.0

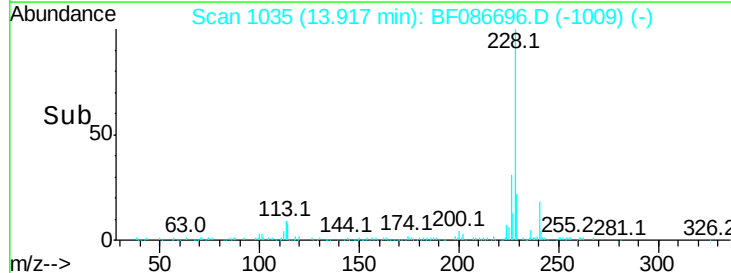
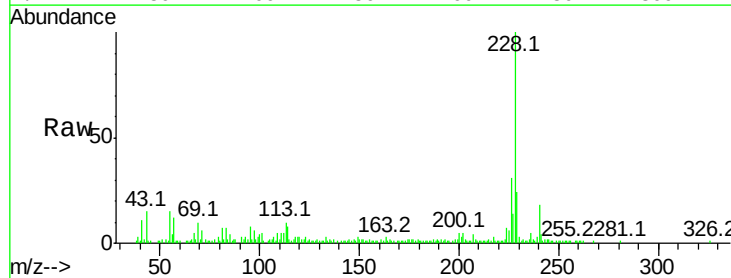
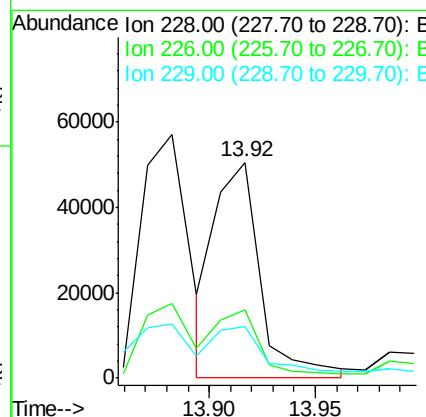
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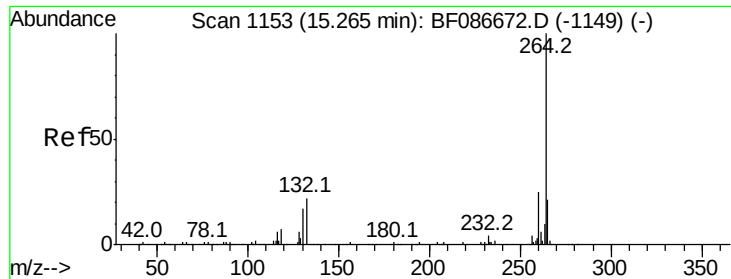
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#82
Chrysene
Concen: 3.73 ng m
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.4	36.6
229	23.8	15.8	23.8





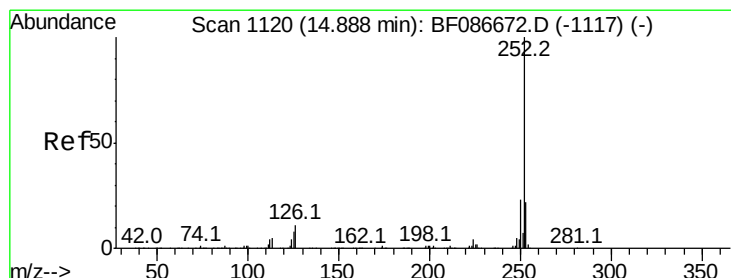
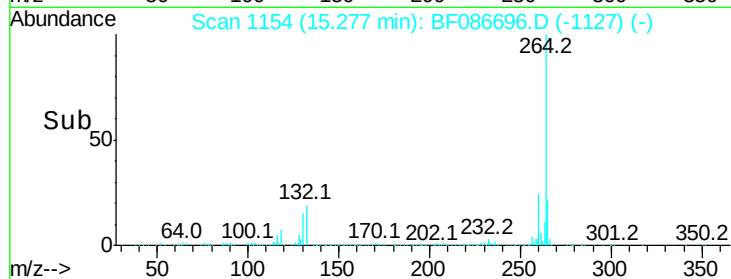
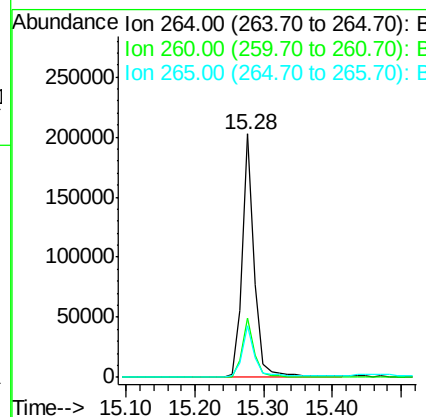
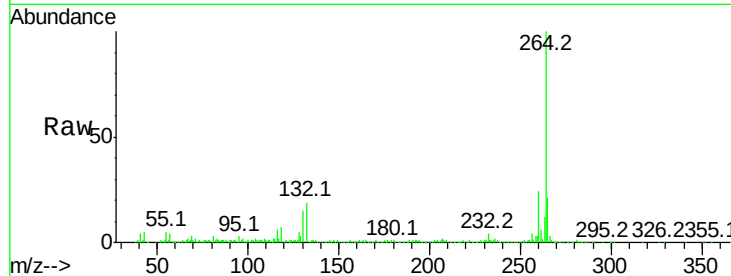
#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	253997		
260	24.4	19.5	29.3	
265	21.0	17.3	25.9	

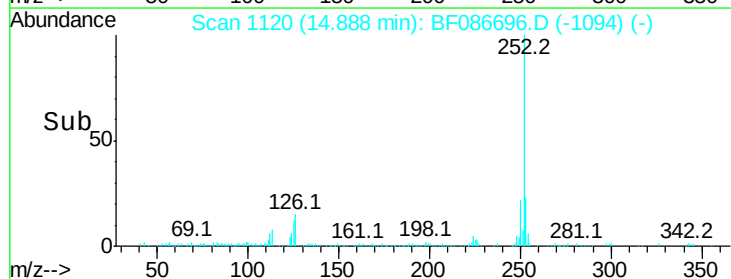
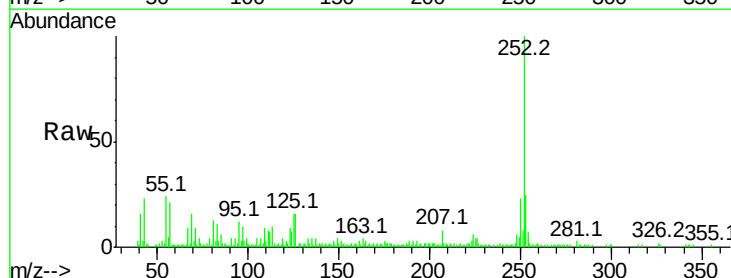
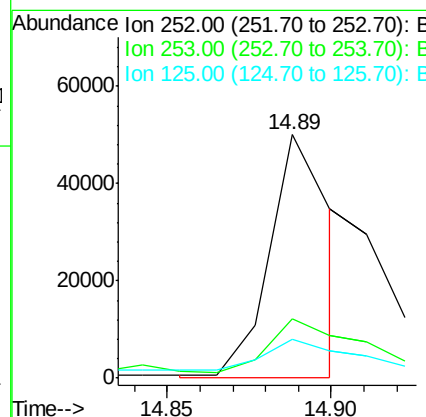
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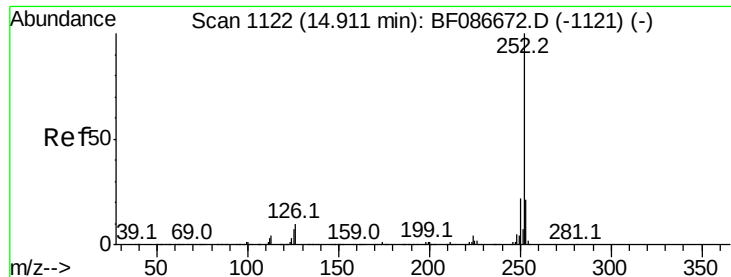
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#87
Benzo(b)fluoranthene
Concen: 4.33 ng m
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	66136		
253	24.5	17.8	26.6	
125	16.1	11.4	17.0	





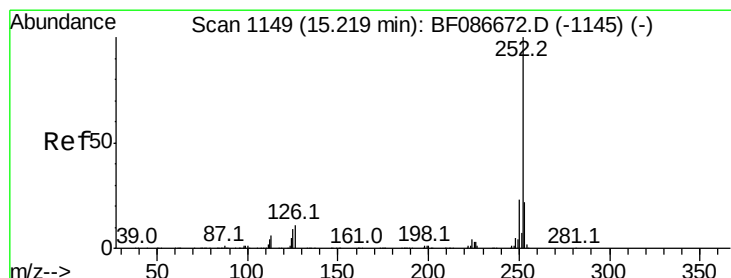
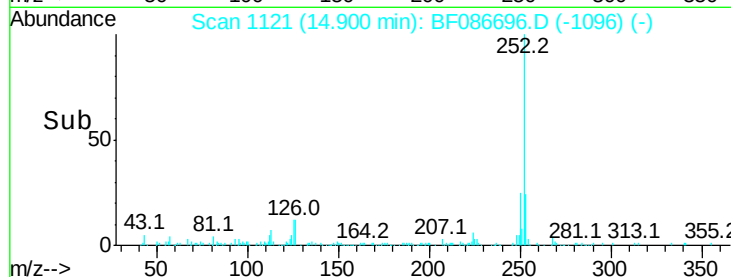
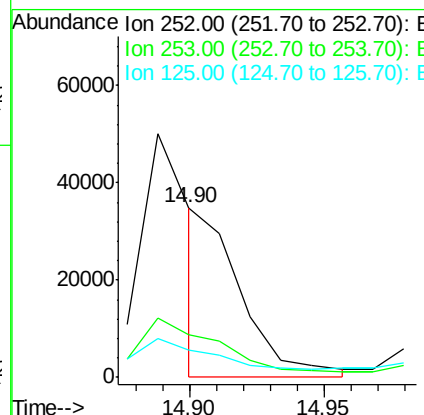
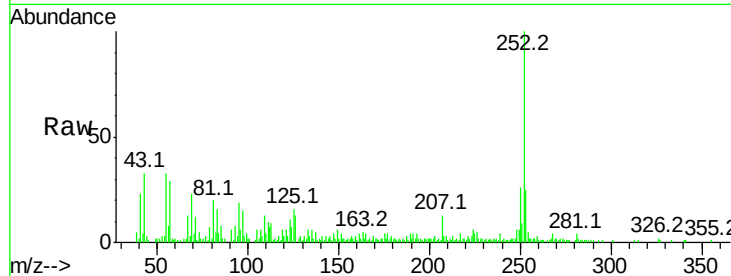
#88
Benzo(k)fluoranthene
Concen: 2.38 ng
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.6
125	16.3	9.1	13.7

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 3.39 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	16.5	9.0	13.6

