

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
 Data File : BF081414.D
 Acq On : 4 Sep 2015 10:59
 Operator : UM/IZ
 Sample : G3505-09
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P005-TS02-01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2015 2:52:10 PM

Quant Time: Sep 04 13:09:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	58919	20.00	ng	-0.02
21) Naphthalene-d8	7.66	136	233167	20.00	ng	-0.02
38) Acenaphthene-d10	9.39	164	99702	20.00	ng	-0.02
63) Phenanthrene-d10	10.87	188	190795	20.00	ng	-0.01
75) Chrysene-d12	13.47	240	119106	20.00	ng	-0.02
86) Perylene-d12	14.78	264	98345	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	544201	143.30	ng	0.00
7) Phenol-d6	6.04	99	696289	138.52	ng	-0.01
23) Nitrobenzene-d5	6.95	82	460653	95.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.18	330	130818	147.36	ng	-0.02
44) 2-Fluorobiphenyl	8.74	172	724282	93.09	ng	-0.02
78) Terphenyl-d14	12.46	244	557934	109.04	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.14	163	128932	16.64	ng	# 97
70) Phenanthrene	10.89	178	54092	5.10	ng	97
74) Fluoranthene	12.06	202	102752	8.95	ng	90
77) Pyrene	12.29	202	105100	11.91	ng	99
80) Benzo(a)anthracene	13.46	228	41805	5.51	ng	# 89
82) Chrysene	13.50	228	47489m	6.98	ng	
85) Indeno(1,2,3-cd)pyrene	15.86	276	21569	4.32	ng	# 78
87) Benzo(b)fluoranthene	14.46	252	56828m	8.09	ng	
88) Benzo(k)fluoranthene	14.47	252	13655m	2.34	ng	
89) Benzo(a)pyrene	14.73	252	34826	5.85	ng	# 89
91) Benzo(g,h,i)perylene	16.18	276	18925	4.31	ng	# 81

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

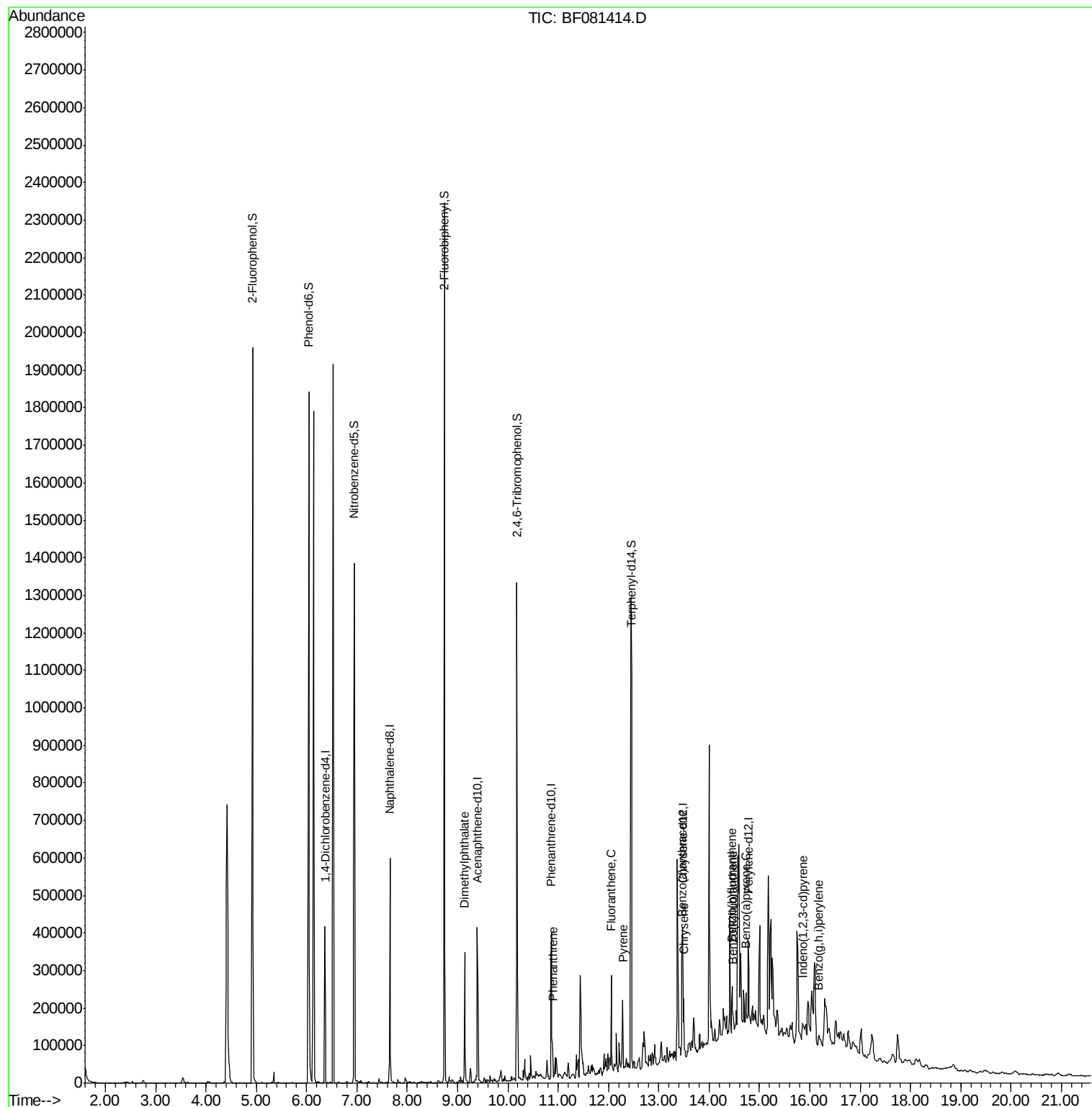
Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
Data File : BF081414.D
Acq On : 4 Sep 2015 10:59
Operator : UM/IZ
Sample : G3505-09
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P005-TS02-01

Manual Integrations
APPROVED

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Quant Time: Sep 04 13:09:15 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
Response via : Initial Calibration





#1

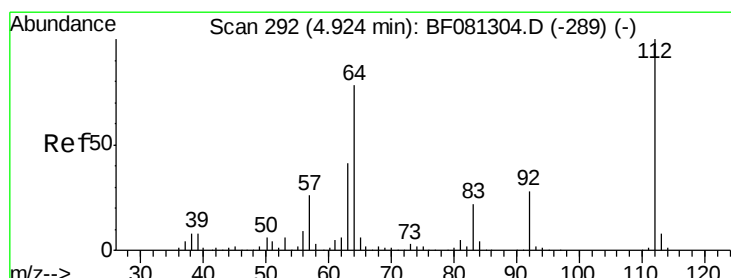
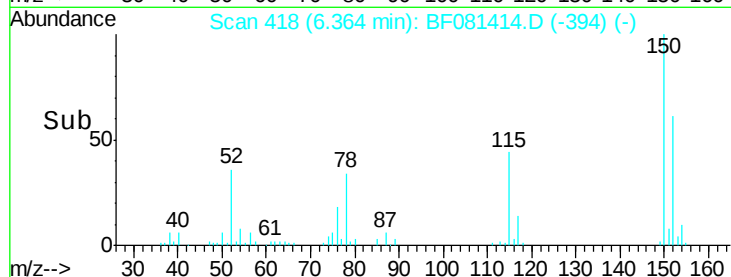
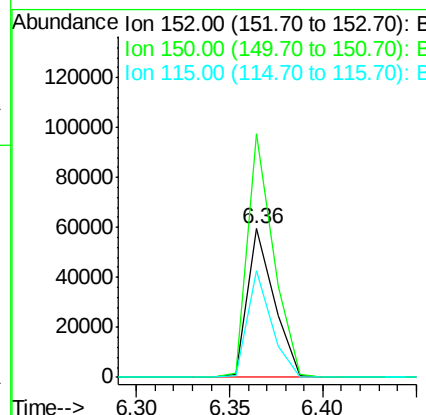
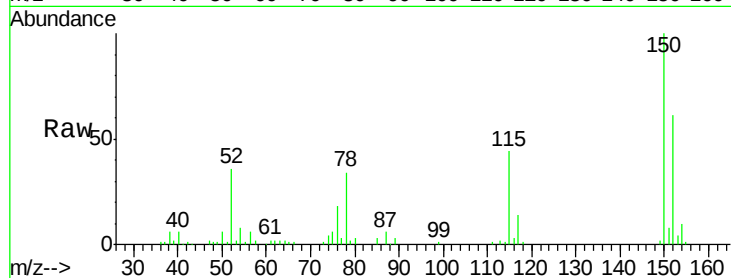
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.02 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Instrument :
BNA_F
ClientSampleId :
P005-TS02-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.1	124.7	187.1
115	71.9	39.0	58.4#

Manual Integrations
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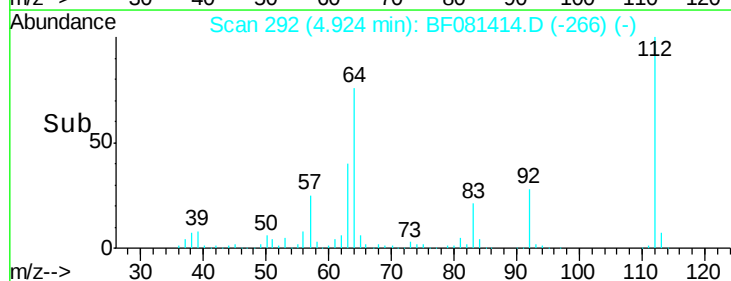
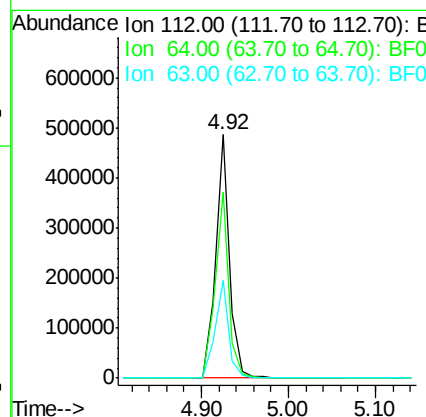
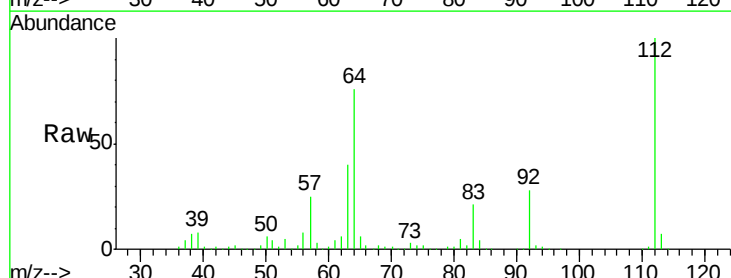
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#5

2-Fluorophenol
Concen: 143.30 ng
RT: 4.92 min Scan# 292
Delta R.T. 0.00 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.3	39.7	59.5#
63	40.1	17.4	26.0#





#7

Phenol-d6

Concen: 138.52 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Instrument :

BNA_F

ClientSampleId :

P005-TS02-01

Tot Ion: 99 Resp: 696289

Ion Ratio Lower Upper

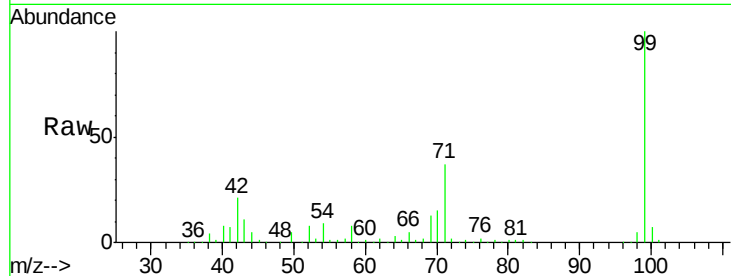
99 100

42 21.4 13.7 20.5#

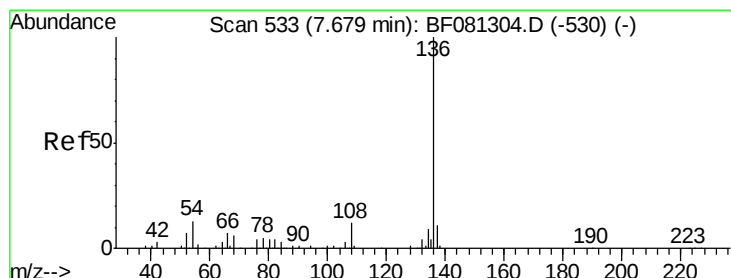
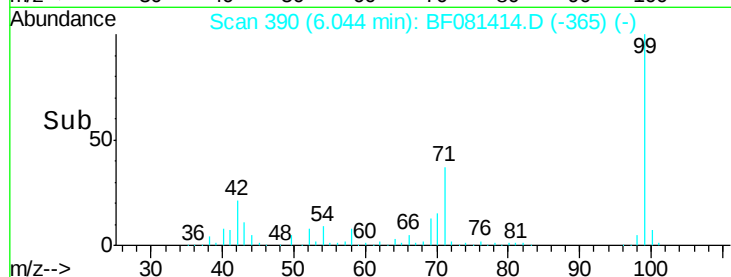
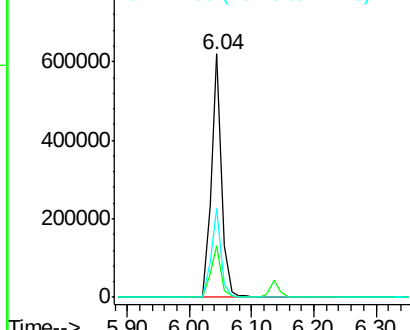
71 36.5 14.2 21.2#

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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: 7.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Tgt Ion: 136 Resp: 233167

Ion Ratio Lower Upper

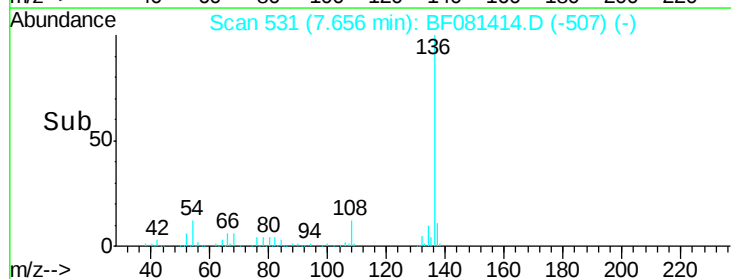
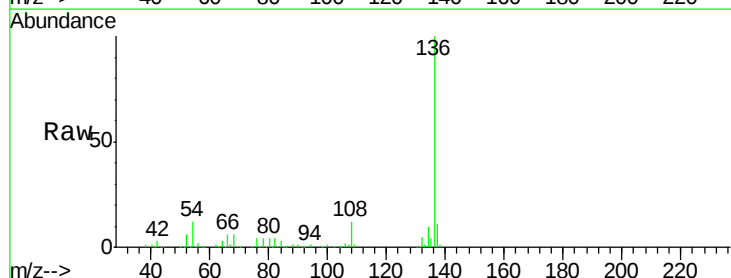
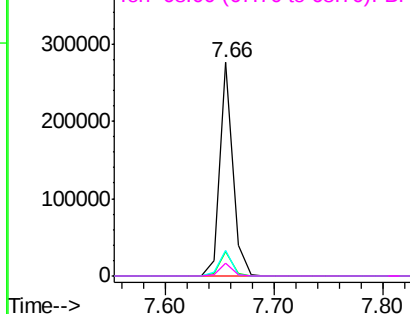
136 100

137 11.1 9.0 13.6

54 11.8 8.2 12.2

68 6.0 5.8 8.6

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





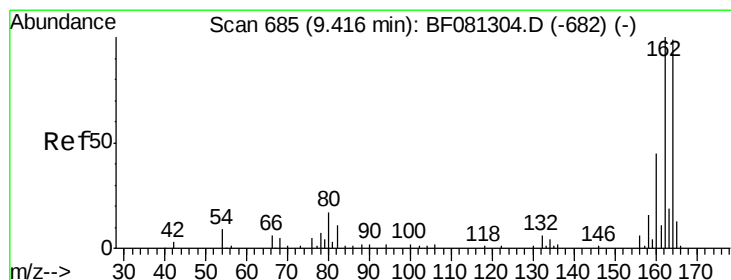
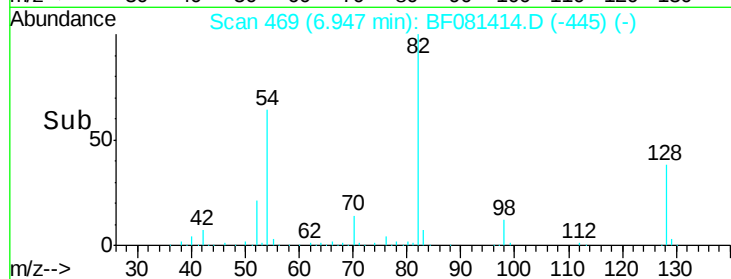
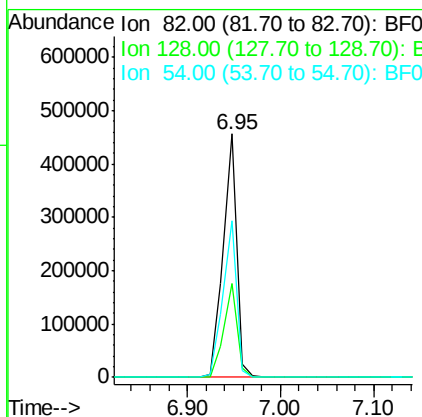
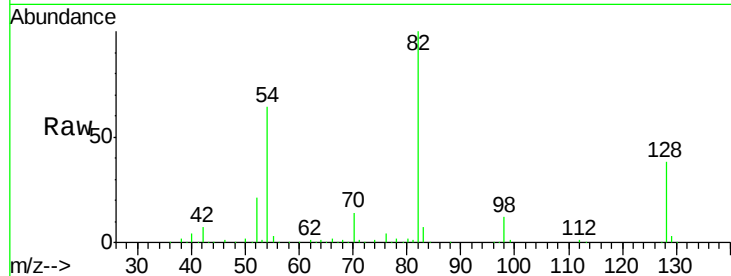
#23
 Nitrobenzene-d5
 Concen: 95.32 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: BF081414.D
 Acq: 4 Sep 2015 10:59

Instrument :
 BNA_F
 ClientSampleId :
 P005-TS02-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.4	51.0	76.6#
54	64.4	47.5	71.3

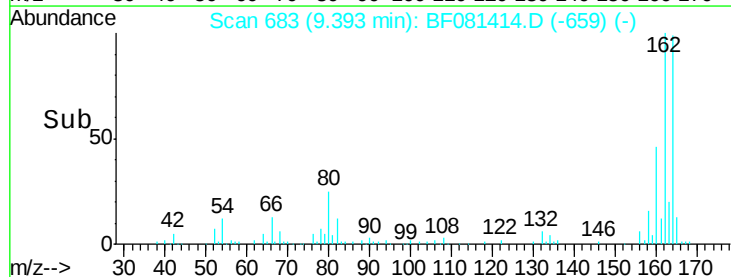
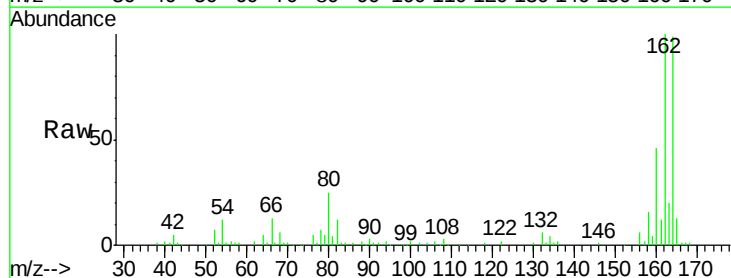
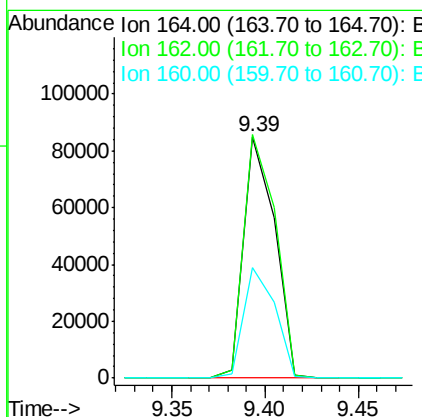
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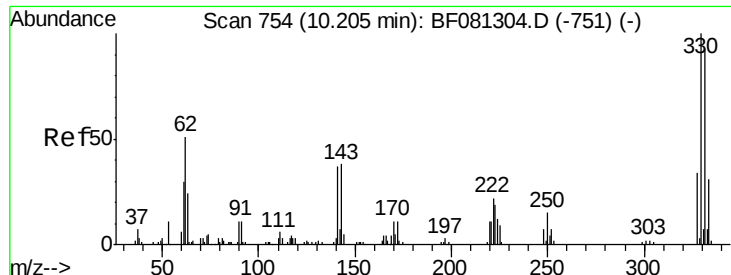
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: BF081414.D
 Acq: 4 Sep 2015 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	75.2	112.8
160	46.0	31.5	47.3





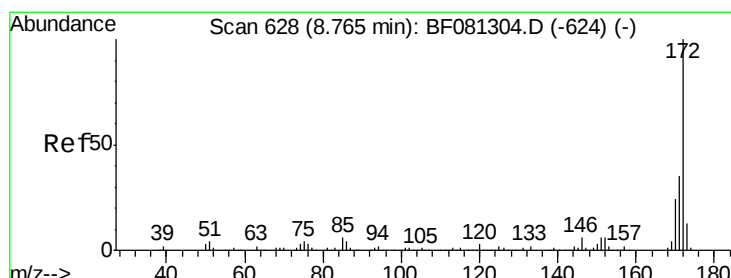
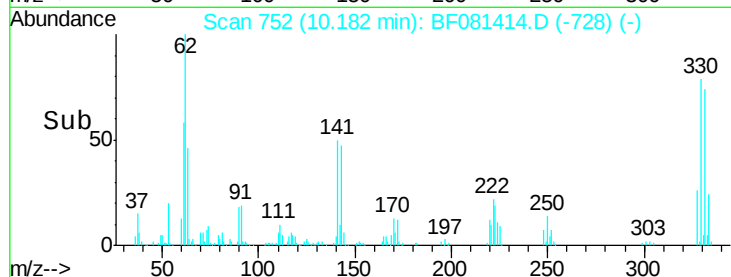
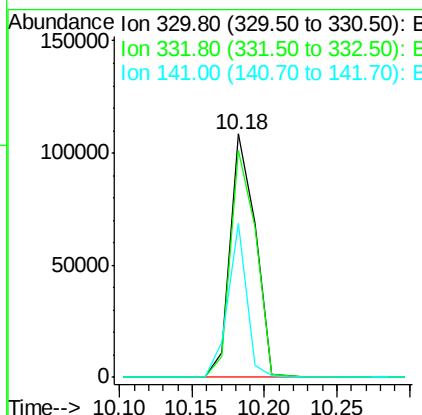
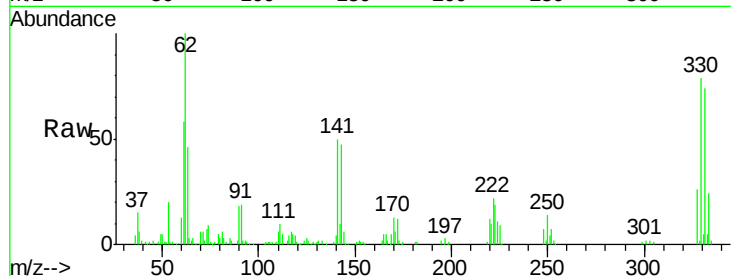
#41
 2,4,6-Tribromophenol
 Concen: 147.36 ng
 RT: 10.18 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF081414.D
 Acq: 4 Sep 2015 10:59

Instrument :
 BNA_F
 ClientSampleId :
 P005-TS02-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.3	76.6	114.8	
141	47.6	29.7	44.5#	

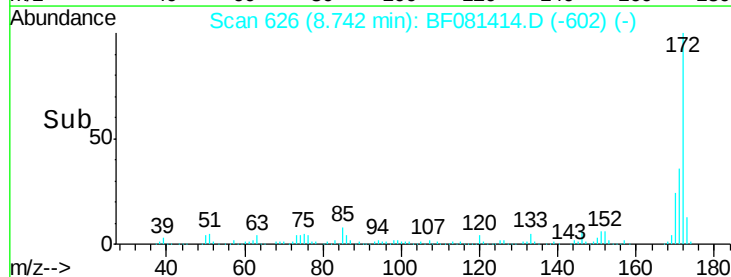
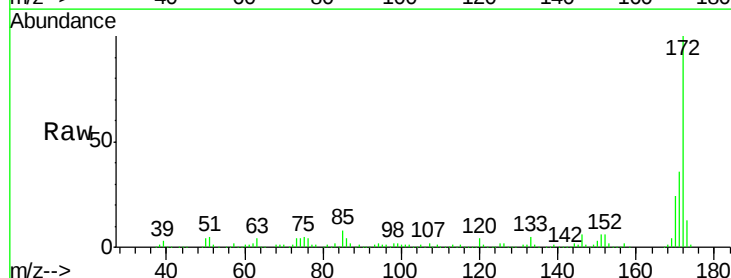
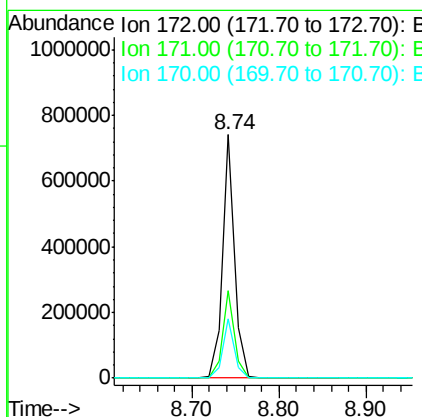
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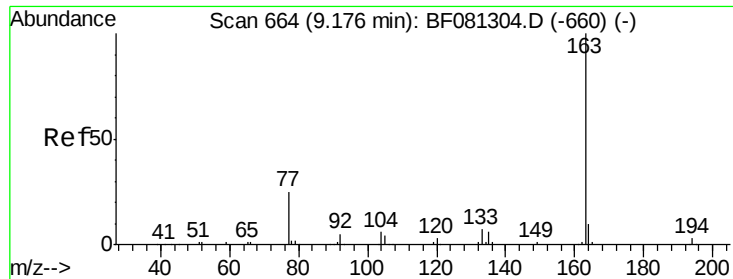
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#44
 2-Fluorobiphenyl
 Concen: 93.09 ng
 RT: 8.74 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF081414.D
 Acq: 4 Sep 2015 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	26.1	39.1	
170	24.3	17.4	26.2	





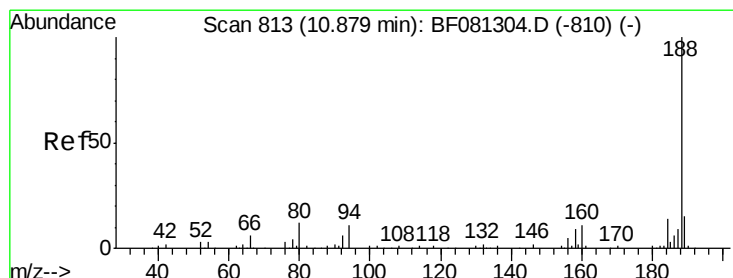
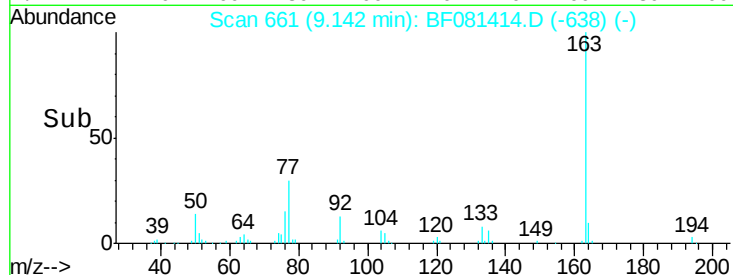
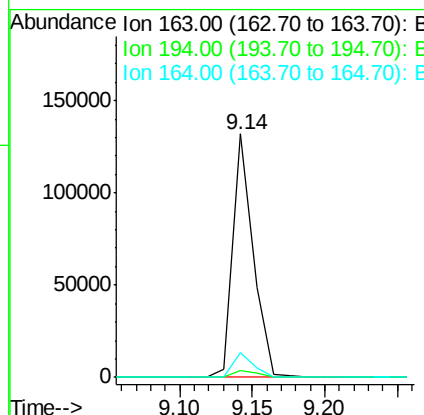
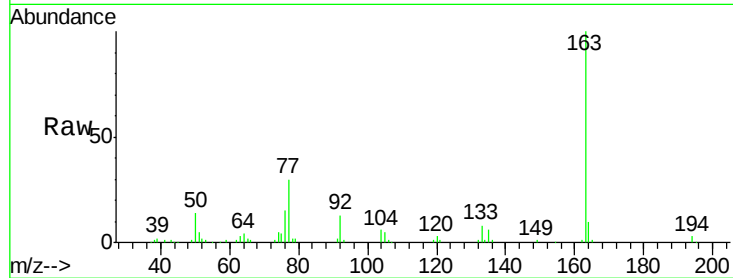
#49
Dimethylphthalate
Concen: 16.64 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Instrument :
BNA_F
ClientSampleId :
P005-TS02-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100	128932		
194	2.9	4.4	6.6#	
164	10.3	8.3	12.5	

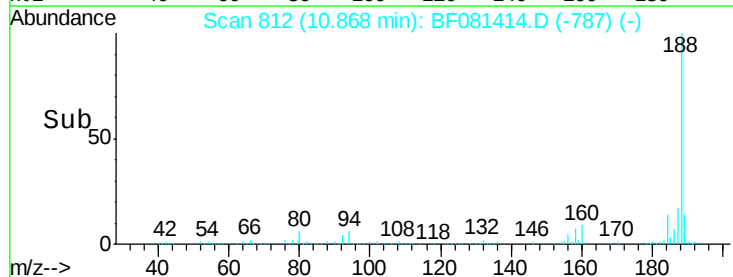
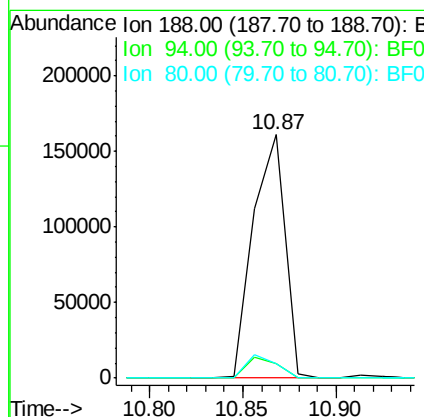
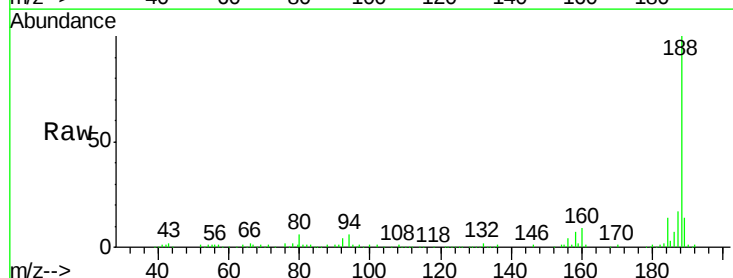
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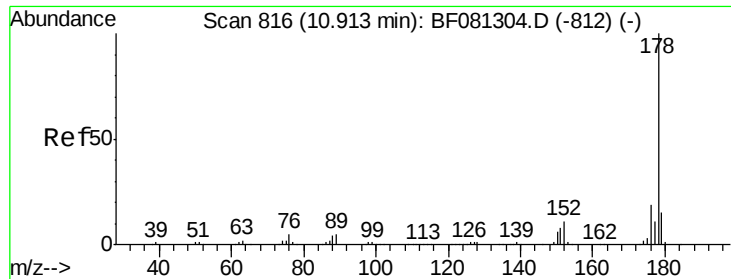
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.87 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	190795		
94	5.7	11.1	16.7#	
80	6.1	11.0	16.4#	





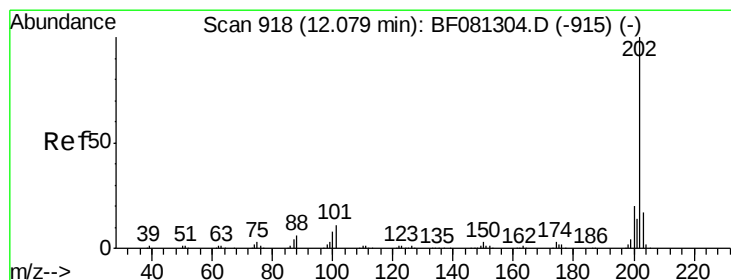
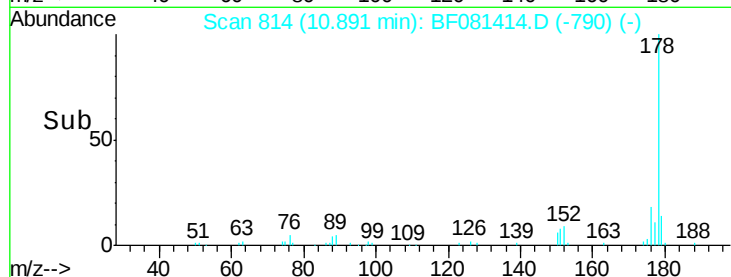
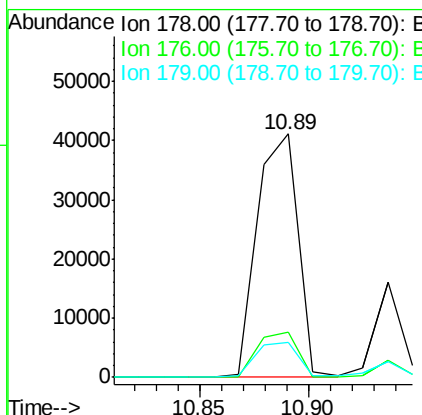
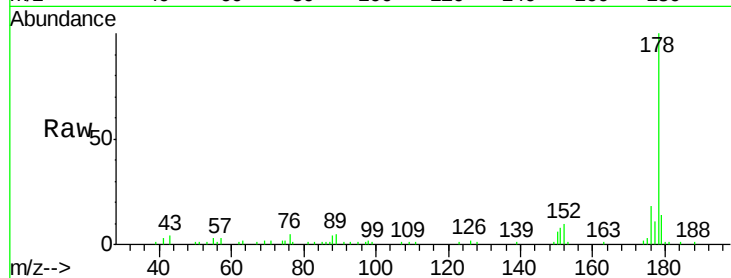
#70
Phenanthrene
Concen: 5.10 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Instrument :
BNA_F
ClientSampleId :
P005-TS02-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	13.8	20.8
179	14.1	12.2	18.2

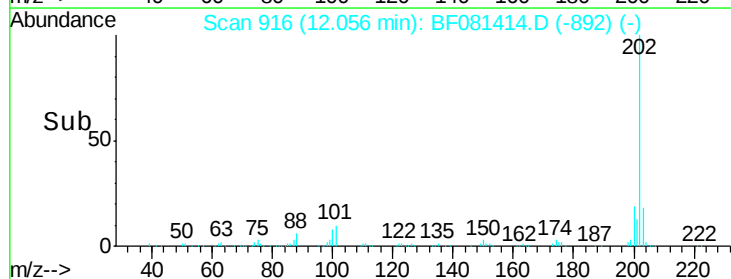
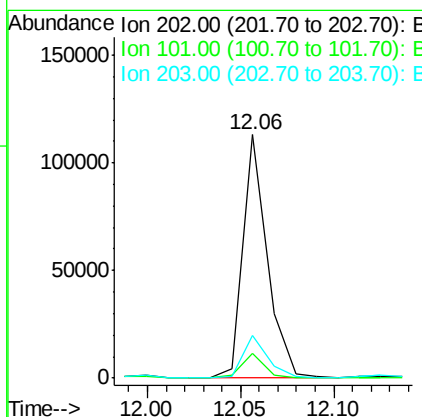
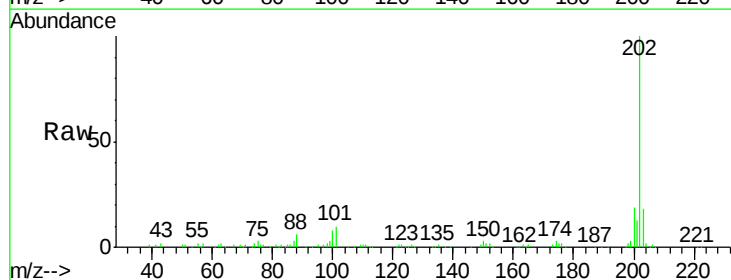
Manual Integrations
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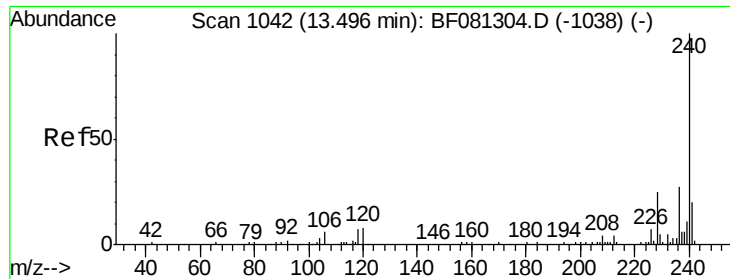
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#74
Fluoranthene
Concen: 8.95 ng
RT: 12.06 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	38.3
203	17.6	0.0	37.3





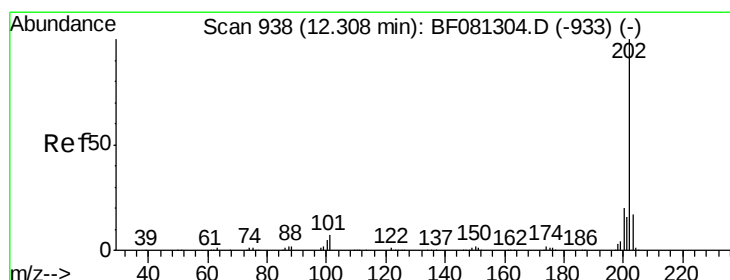
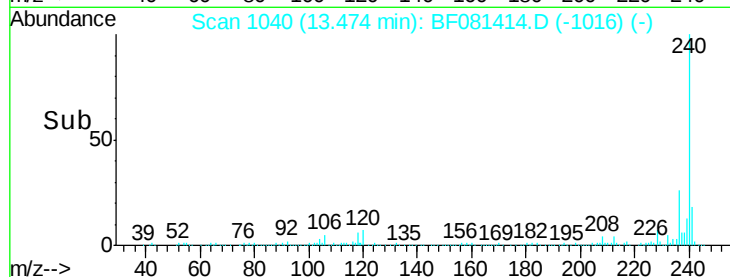
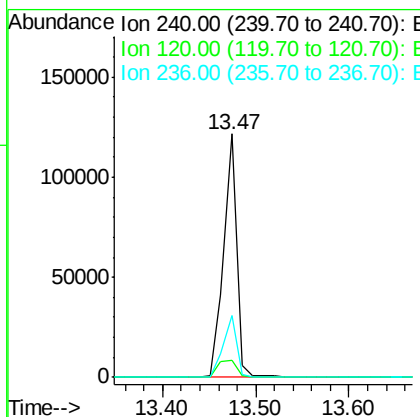
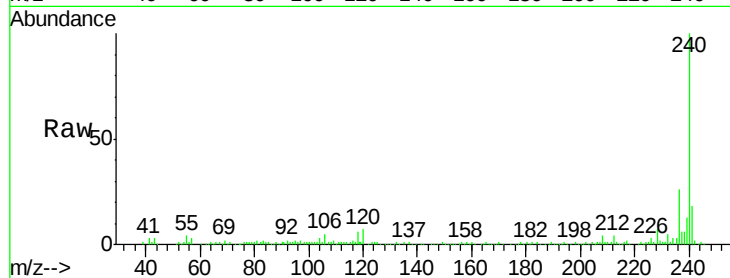
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.47 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Instrument :
BNA_F
ClientSampleId :
P005-TS02-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100	119106		
120	6.9	16.2	24.2#	
236	25.6	18.4	27.6	

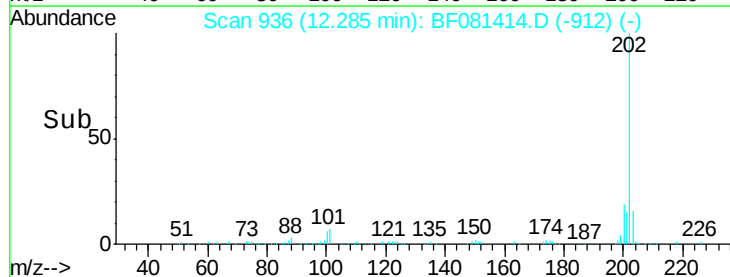
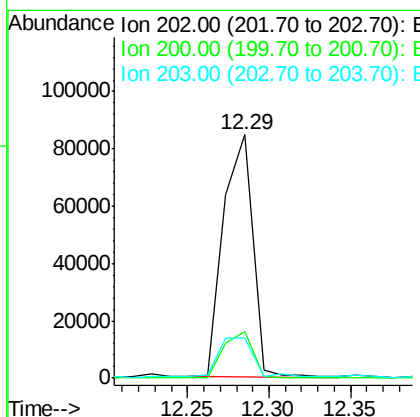
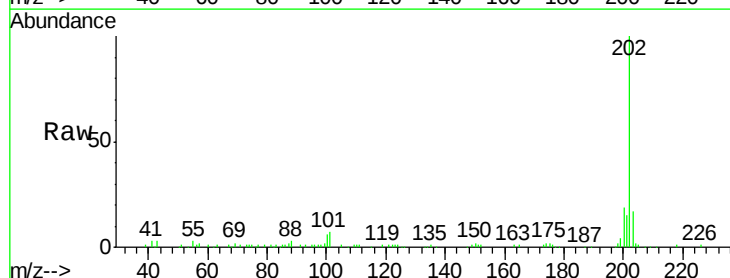
Manual Integrations
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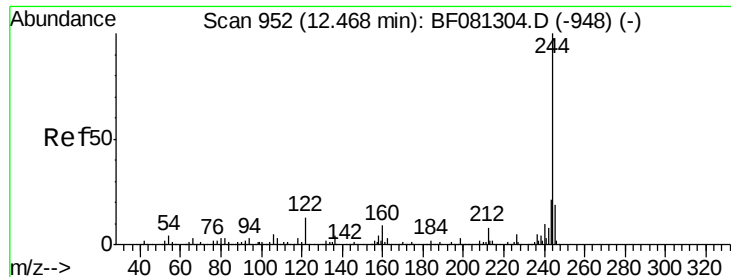
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#77
Pyrene
Concen: 11.91 ng
RT: 12.29 min Scan# 936
Delta R.T. -0.02 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	105100		
200	18.9	15.0	22.4	
203	16.7	14.1	21.1	





#78

Terphenyl-d14

Concen: 109.04 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Instrument :

BNA_F

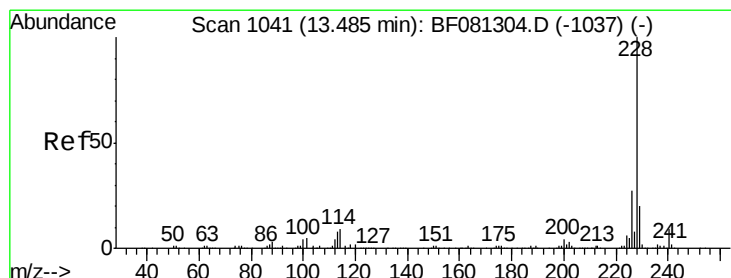
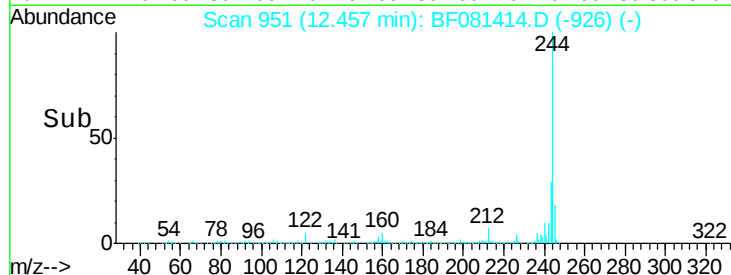
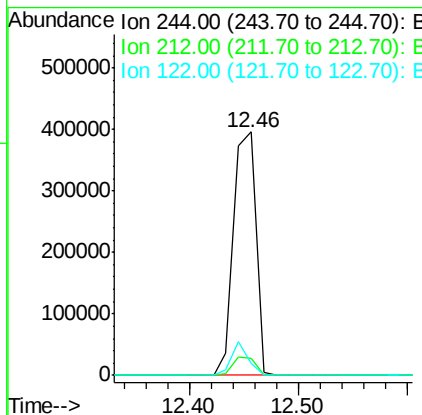
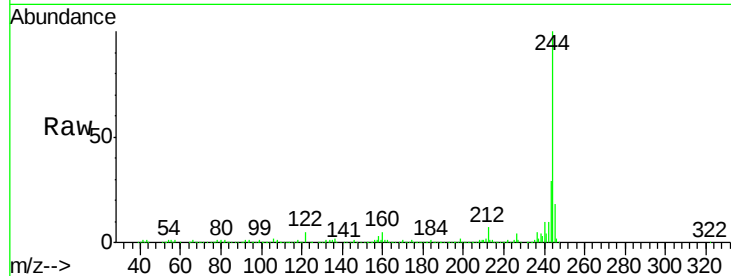
ClientSampleId :

P005-TS02-01

Tot Ion:	244	Resp:	557934
Ion Ratio		Lower	Upper
244	100		
212	6.8	4.3	6.5#
122	5.0	17.4	26.2#

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#80

Benzo(a)anthracene

Concen: 5.51 ng

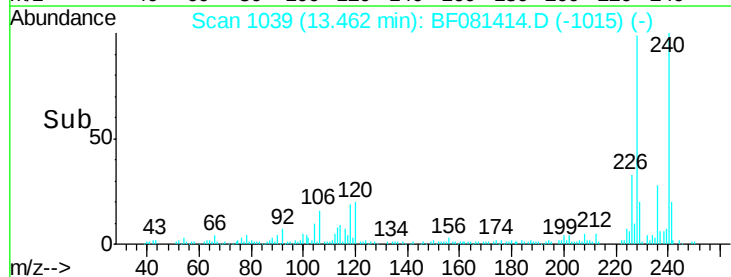
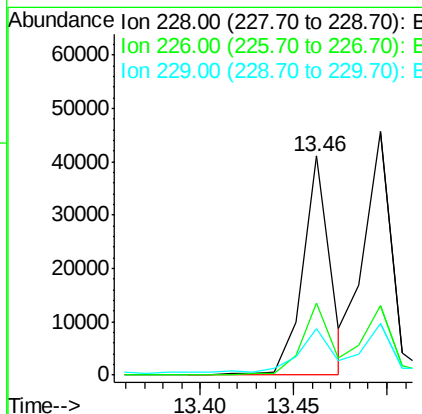
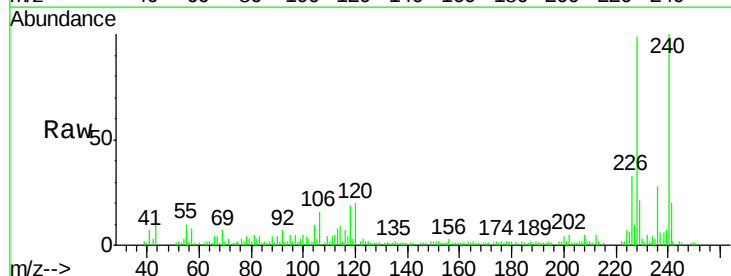
RT: 13.46 min Scan# 1039

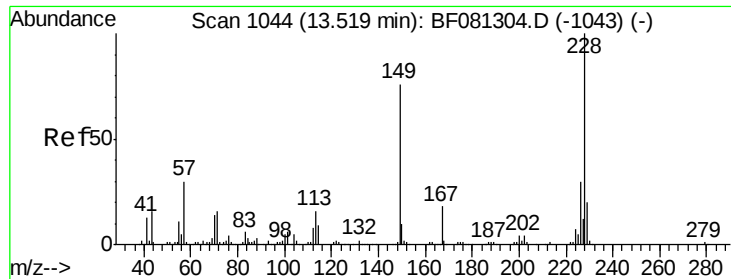
Delta R.T. -0.02 min

Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Tgt Ion:	228	Resp:	41805
Ion Ratio		Lower	Upper
228	100		
226	32.9	20.0	30.0#
229	21.3	15.4	23.2





#82

Chrysene

Concen: 6.98 ng/mL

RT: 13.50 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Instrument :

BNA_F

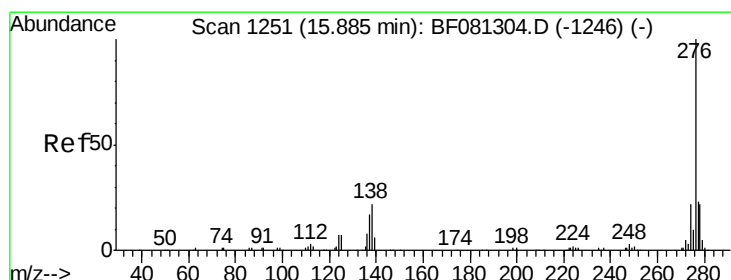
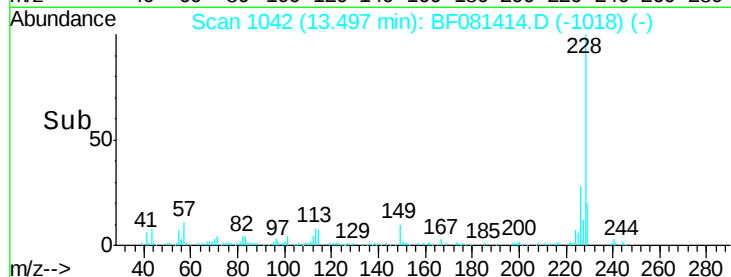
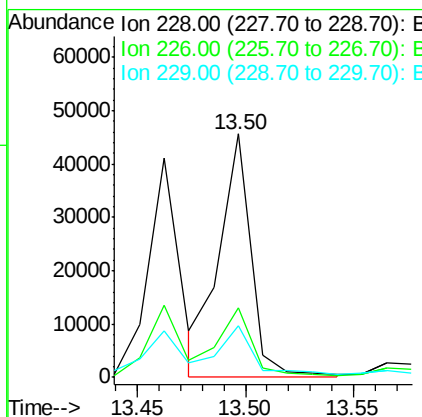
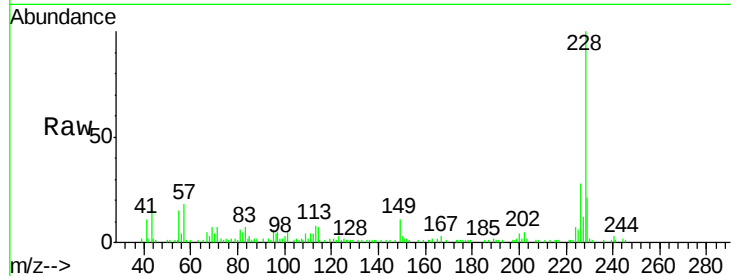
ClientSampleId :

P005-TS02-01

Tot Ion:	228	Resp:	47489
Ion Ratio		Lower	Upper
228	100		
226	28.5	21.0	31.4
229	21.0	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.32 ng/mL

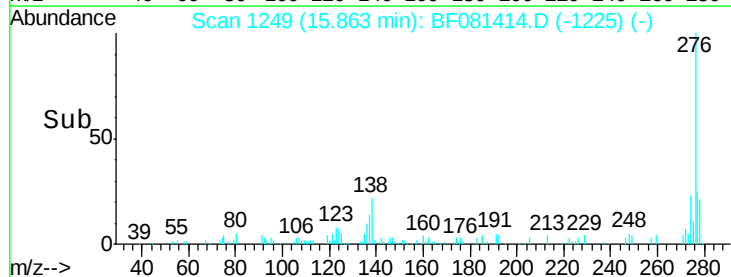
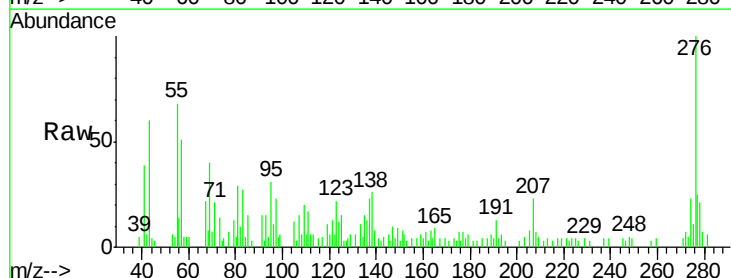
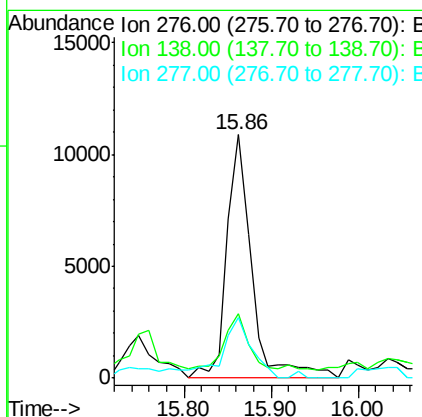
RT: 15.86 min Scan# 1249

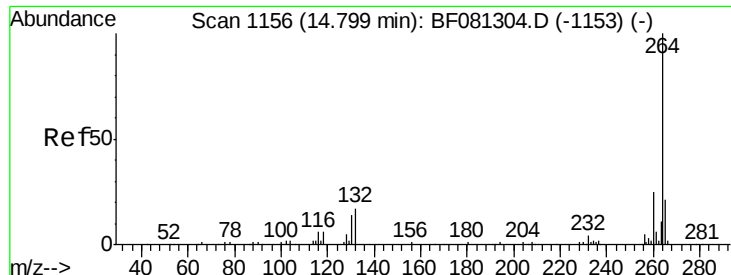
Delta R.T. -0.02 min

Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Tgt Ion:	276	Resp:	21569
Ion Ratio		Lower	Upper
276	100		
138	20.3	25.7	38.5#
277	30.2	15.6	23.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Instrument :

BNA_F

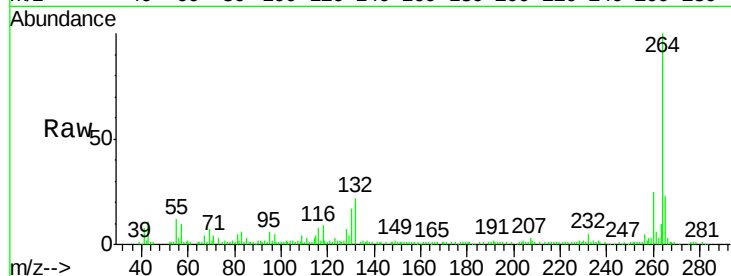
ClientSampleId :

P005-TS02-01

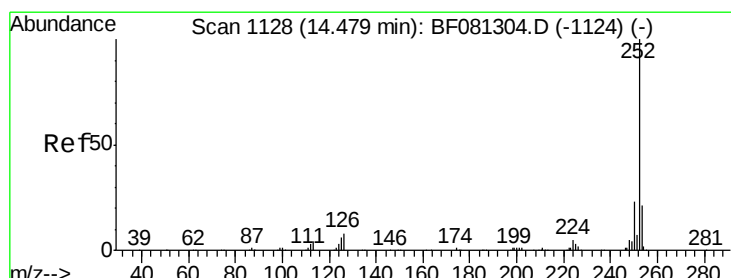
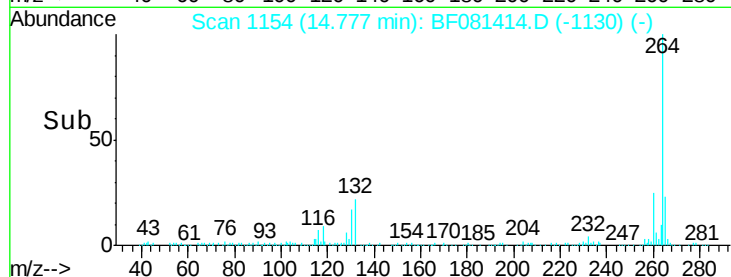
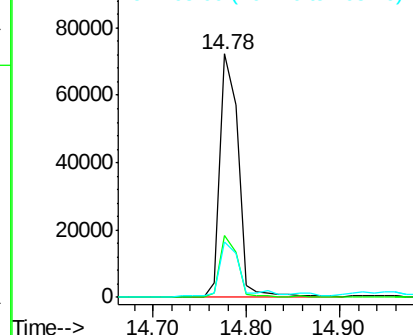
Tot Ion:	264	Resp:	98345
Ion Ratio	Lower	Upper	
264	100		
260	25.3	16.7	25.1#
265	22.6	17.2	25.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 8.09 ng m

RT: 14.46 min Scan# 1126

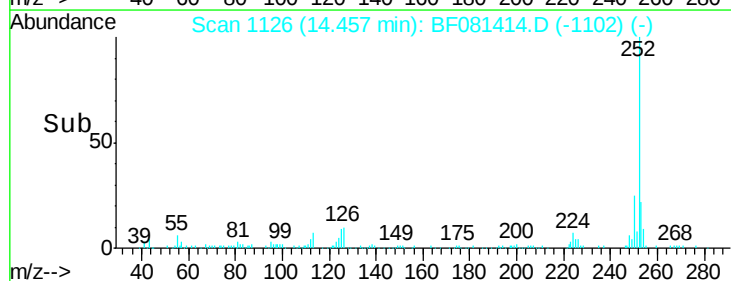
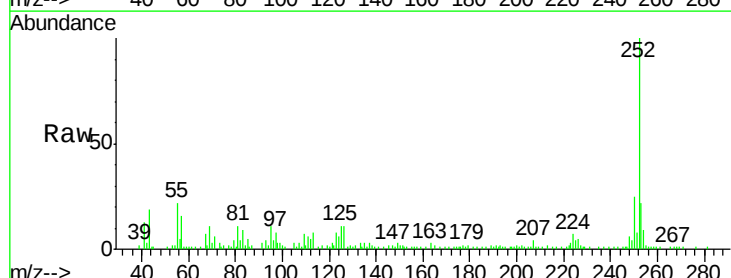
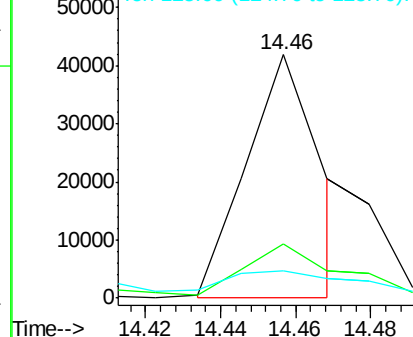
Delta R.T. -0.02 min

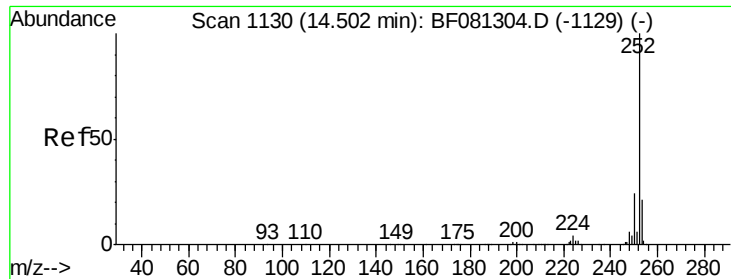
Lab File: BF081414.D

Acq: 4 Sep 2015 10:59

Tgt Ion:	252	Resp:	56828
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	11.4	17.1	25.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





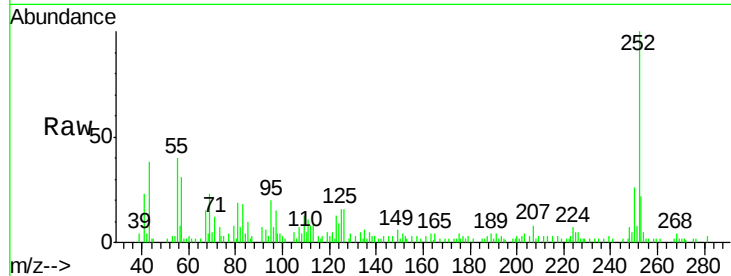
#88
Benzo(k)fluoranthene
Concen: 2.34 ng
RT: 14.47 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Instrument :
BNA_F
ClientSampleId :
P005-TS02-01

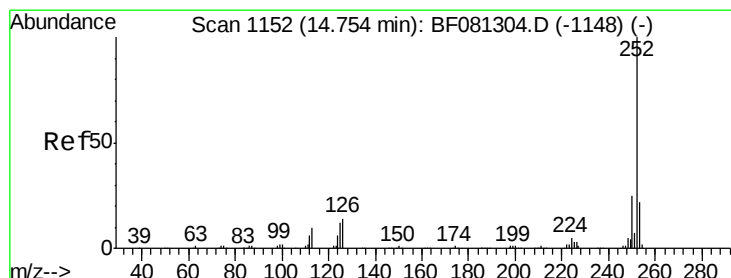
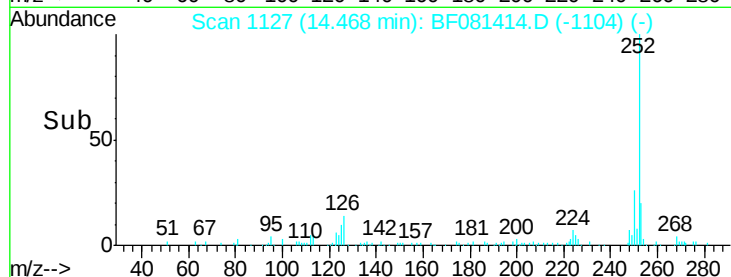
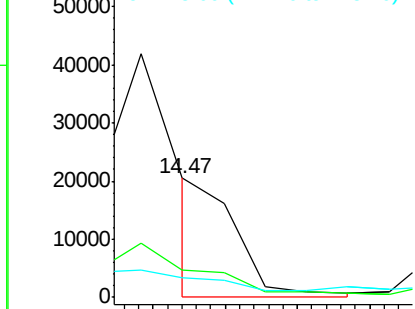
Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.4	17.0	25.4	
125	16.5	16.0	24.0	

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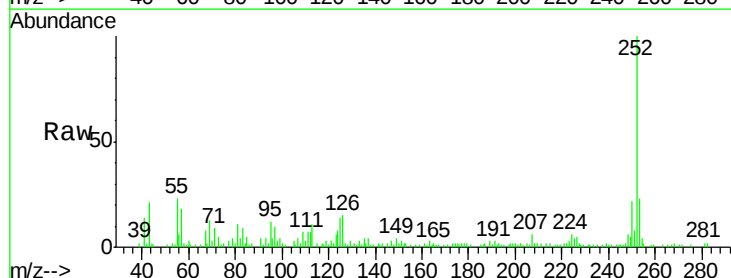


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

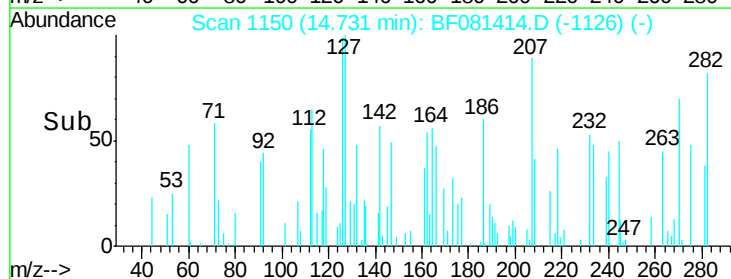
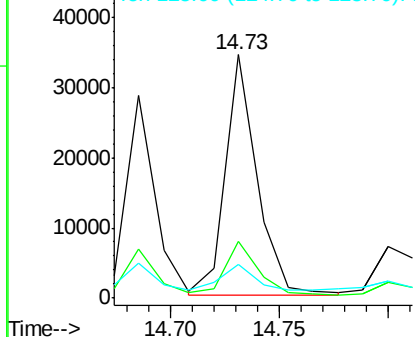


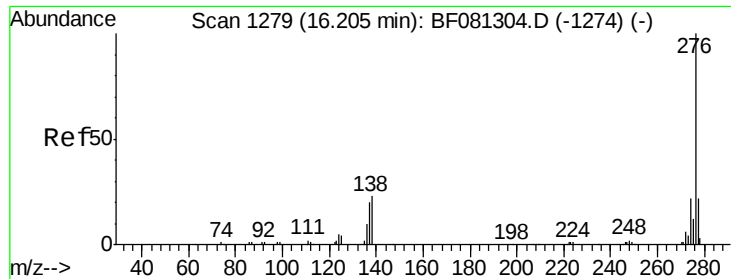
#89
Benzo(a)pyrene
Concen: 5.85 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF081414.D
Acq: 4 Sep 2015 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.5	17.2	25.8	
125	13.9	18.0	27.0#	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.31 ng
 RT: 16.18 min Scan# 1277
 Delta R.T. -0.02 min
 Lab File: BF081414.D
 Acq: 4 Sep 2015 10:59

Instrument :
 BNA_F
 ClientSampleId :
 P005-TS02-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.8	26.6
138	27.2	34.6	51.8

Manual Integrations
 APPROVED

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