

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087381.D
 Acq On : 25 May 2016 20:10
 Operator : UM/SJ
 Sample : H3211-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1330+60(0-4)

Manual Integrations
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Quant Time: May 25 23:49:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 22:35:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	113955	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	437456	20.00	ng	-0.01
38) Acenaphthene-d10	12.38	164	178681	20.00	ng	-0.01
63) Phenanthrene-d10	14.77	188	281063	20.00	ng	-0.01
75) Chrysene-d12	18.47	240	241415	20.00	ng	-0.01
86) Perylene-d12	20.14	264	187376	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	678726	104.66	ng	0.00
7) Phenol-d6	7.06	99	997610	113.84	ng	-0.01
23) Nitrobenzene-d5	8.43	82	663154	76.40	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	177755	103.52	ng	-0.01
44) 2-Fluorobiphenyl	11.32	172	1014350	80.03	ng	-0.01
78) Terphenyl-d14	17.13	244	691184	60.87	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	12.15	152	178485	9.80	ng	98
49) Dimethylphthalate	12.02	163	185471	12.96	ng	99
70) Phenanthrene	14.81	178	186584	11.98	ng	98
71) Anthracene	14.89	178	129192	8.21	ng	98
74) Fluoranthene	16.57	202	668618	42.83	ng	95
77) Pyrene	16.88	202	633289	36.44	ng	99
80) Benzo(a)anthracene	18.46	228	419959m	30.58	ng	
82) Chrysene	18.50	228	320787	23.54	ng	97
85) Indeno(1,2,3-cd)pyrene	21.36	276	165944	15.19	ng	# 88
87) Benzo(b)fluoranthene	19.74	252	479000m	40.13	ng	
88) Benzo(k)fluoranthene	19.76	252	151127m	14.71	ng	
89) Benzo(a)pyrene	20.08	252	267661	25.93	ng	97
90) Dibenzo(a,h)anthracene	21.36	278	46004m	5.22	ng	
91) Benzo(g,h,i)perylene	21.71	276	139495	16.06	ng	# 94

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

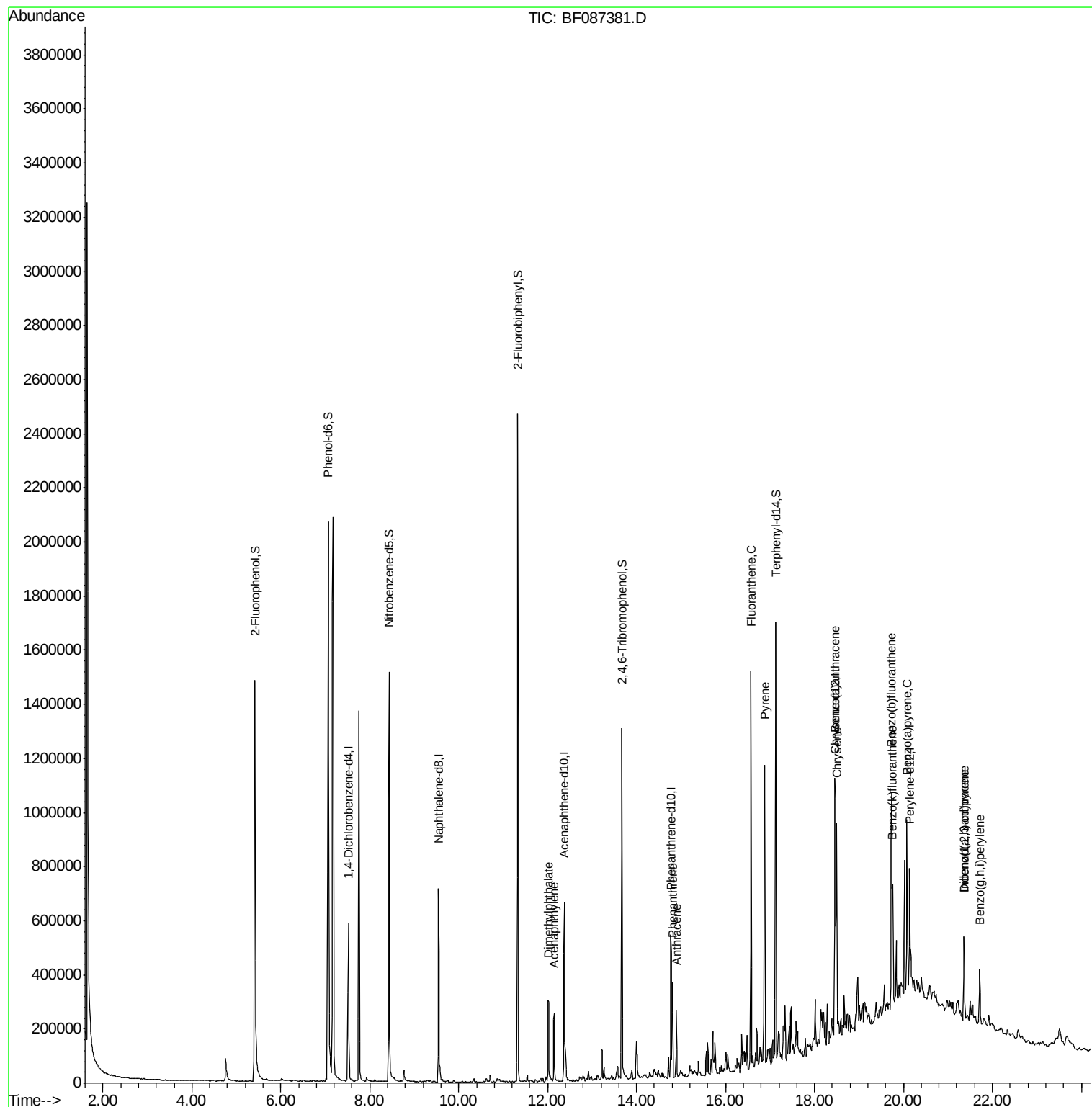
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087381.D
Acq On : 25 May 2016 20:10
Operator : UM/SJ
Sample : H3211-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

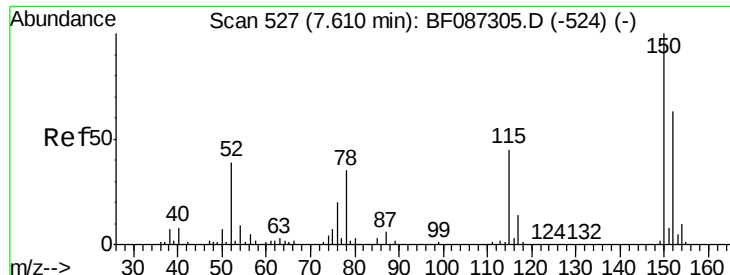
Instrument :
BNA_F
ClientSampled :
TA-1330+60(0-4)

Manual Integrations
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#1

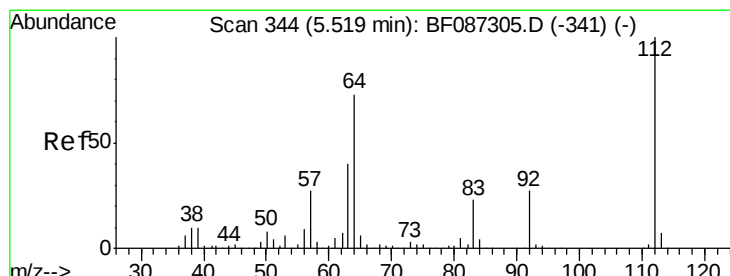
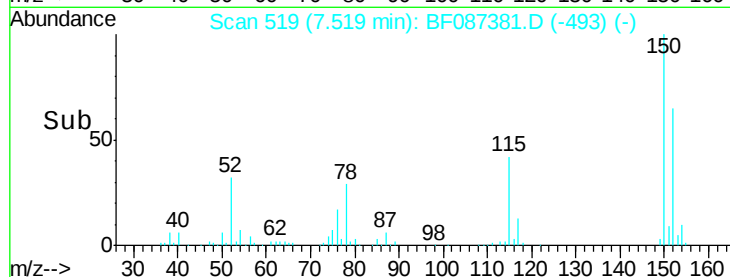
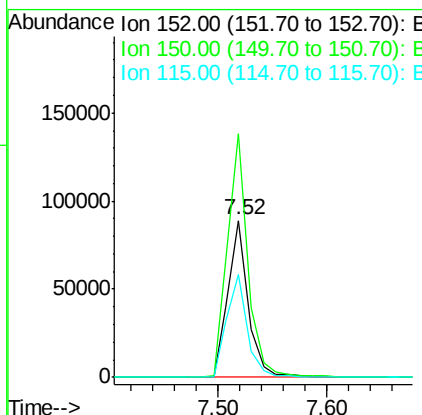
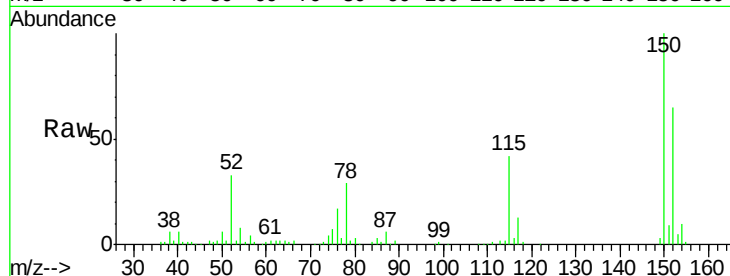
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Instrument :
BNA_F
ClientSampleId :
TA-1330+60(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	113955		
150	154.9	125.8	188.6	
115	65.4	51.5	77.3	

Manual Integrations
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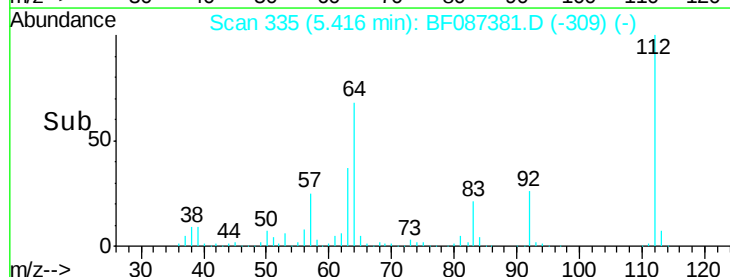
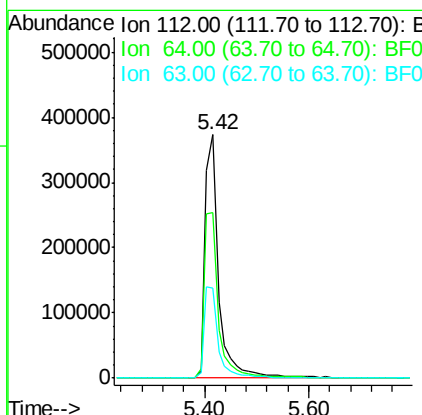
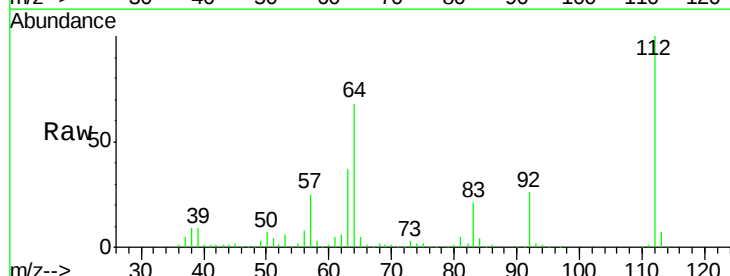
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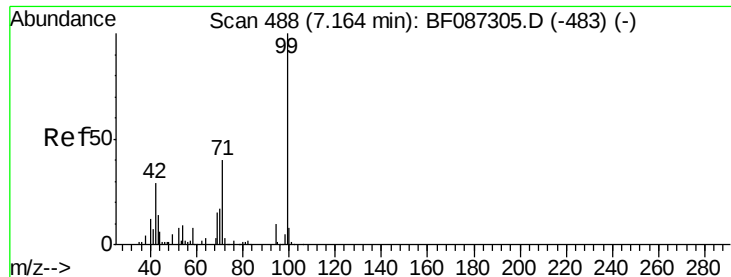


#5

2-Fluorophenol
Concen: 104.66 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.00 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	678726		
64	68.2	52.1	78.1	
63	37.2	25.7	38.5	





#7

Phenol-d6

Concen: 113.84 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Instrument :

BNA_F

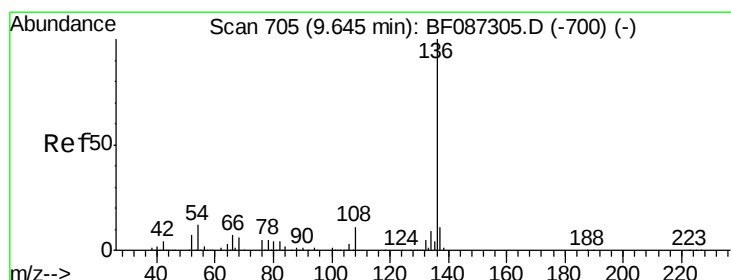
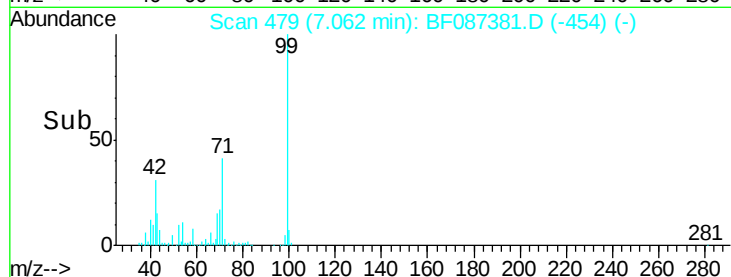
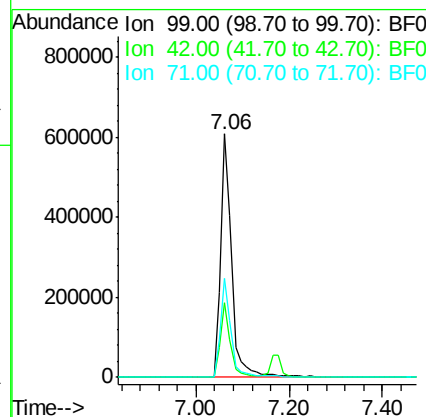
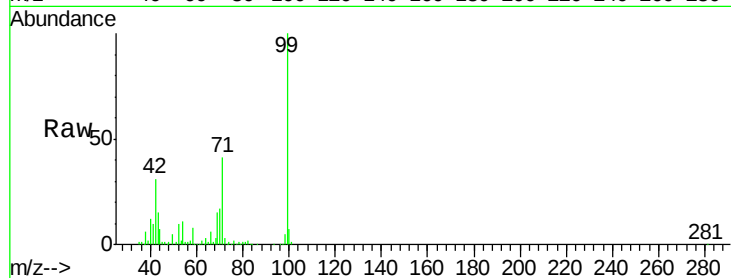
ClientSampleId :

TA-1330+60(0-4)

Tot Ion:	99	Resp:	997610
Ion Ratio	Lower	Upper	
99	100		
42	30.9	13.6	20.4#
71	40.9	24.6	36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

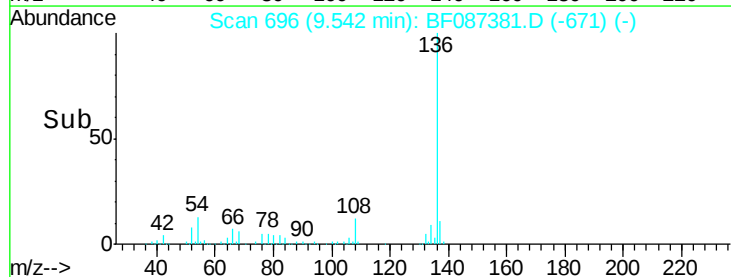
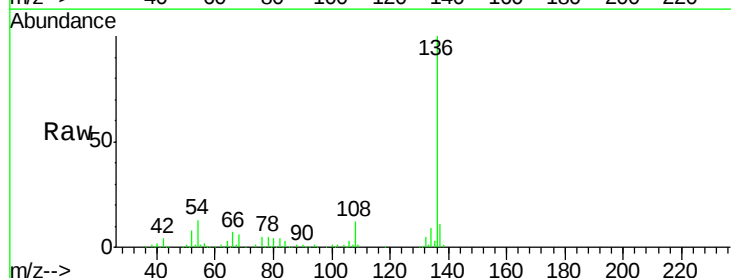
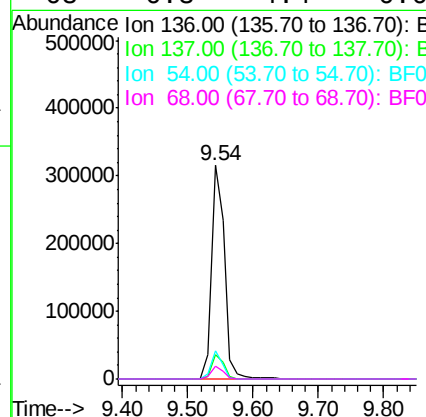
RT: 9.54 min Scan# 696

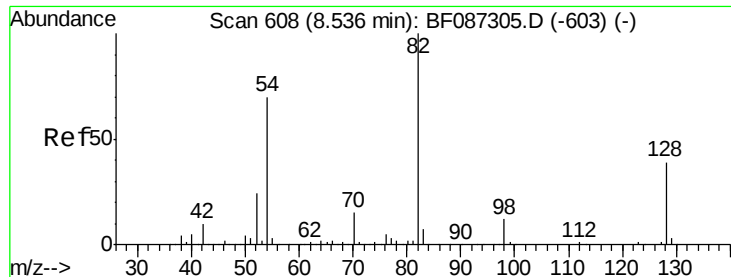
Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Tgt Ion:	136	Resp:	437456
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	13.1	5.0	7.4#
68	6.3	4.4	6.6





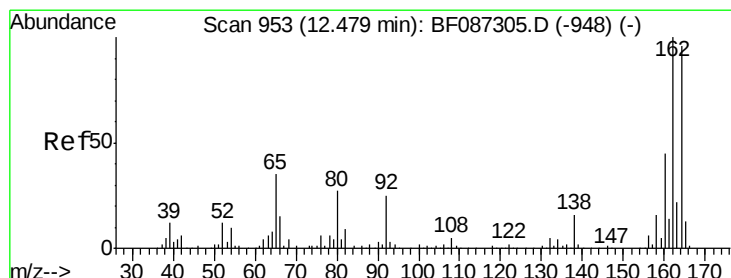
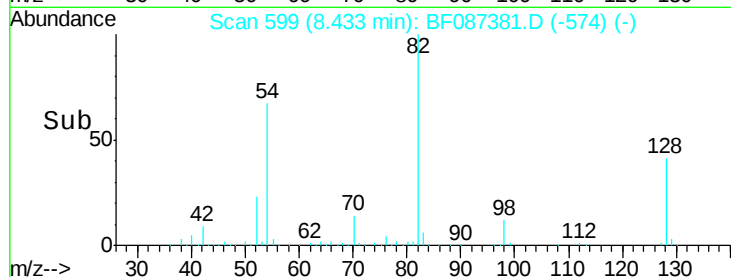
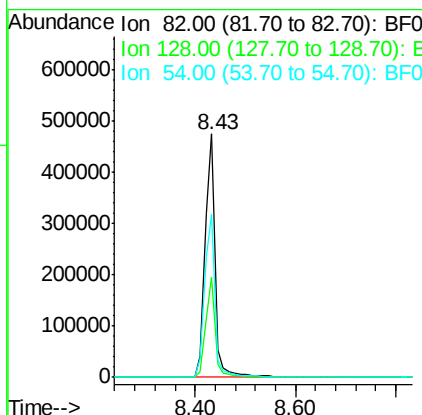
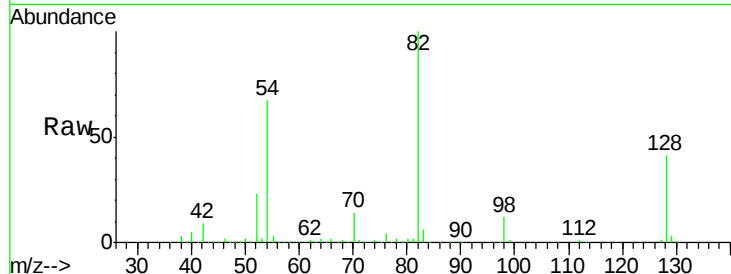
#23
 Nitrobenzene-d5
 Concen: 76.40 ng
 RT: 8.43 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF087381.D
 Acq: 25 May 2016 20:10

Instrument :
 BNA_F
 ClientSampleId :
 TA-1330+60(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	663154		
128	41.4	40.6	61.0	
54	66.8	38.1	57.1	

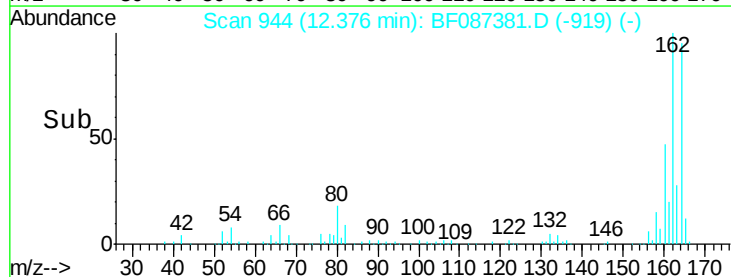
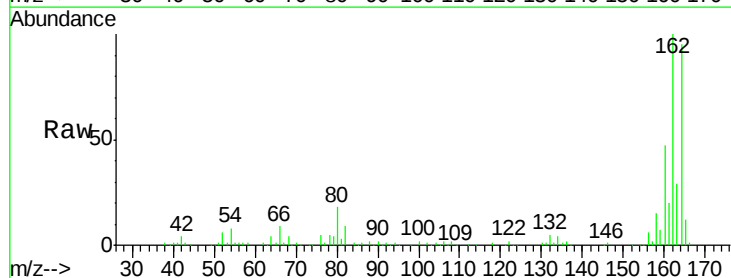
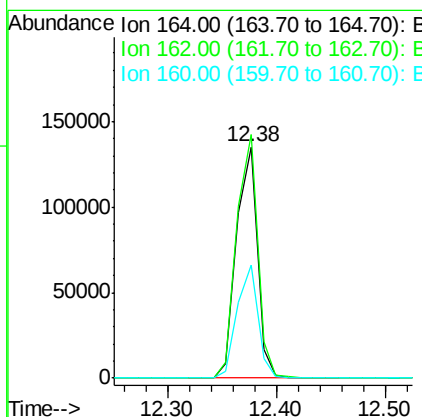
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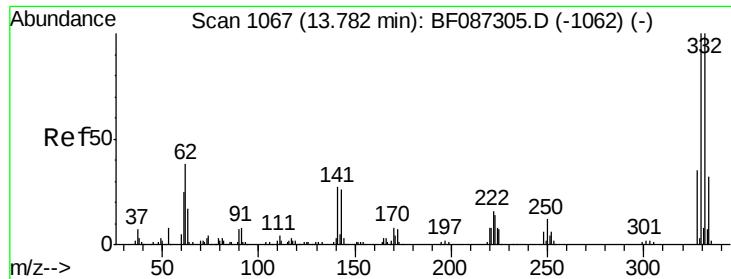
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.38 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF087381.D
 Acq: 25 May 2016 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	178681		
162	105.3	82.8	124.2	
160	49.1	36.9	55.3	





#41

2,4,6-Tribromophenol

Concen: 103.52 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Instrument :

BNA_F

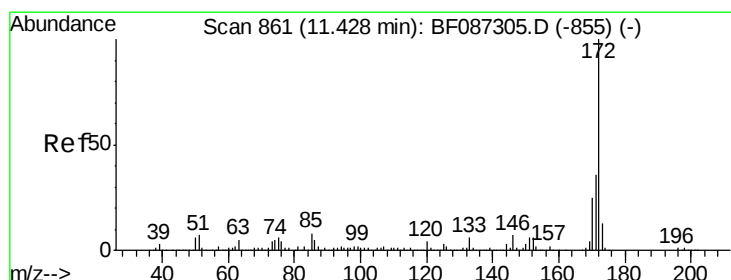
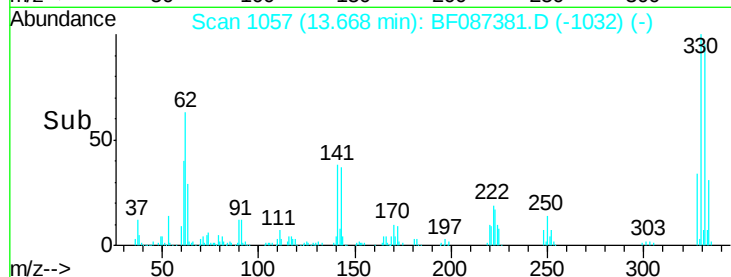
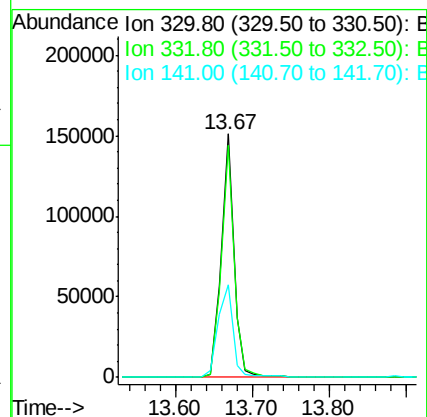
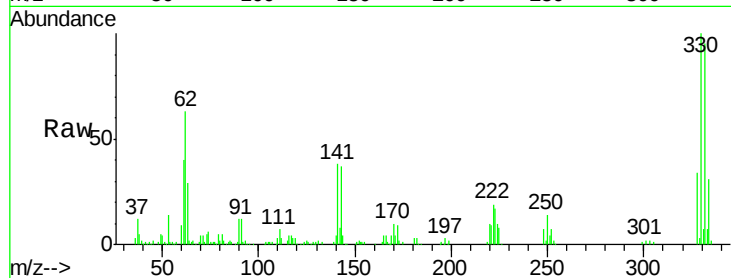
ClientSampleId :

TA-1330+60(0-4)

Tot Ion:	330	Resp:	177755
Ion Ratio	Lower	Upper	
330	100		
332	95.8	79.0	118.4
141	44.8	31.2	46.8

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#44

2-Fluorobiphenyl

Concen: 80.03 ng

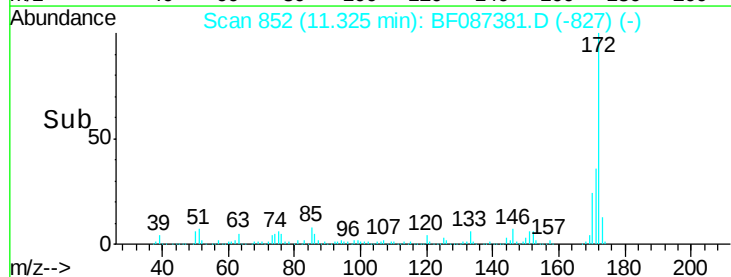
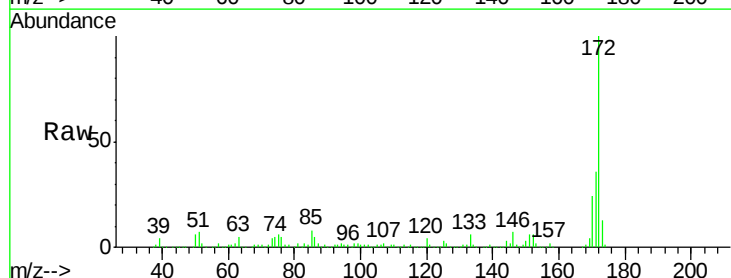
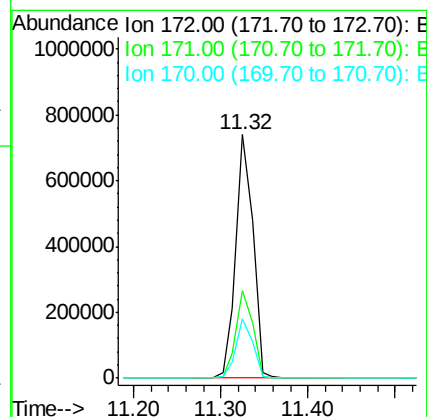
RT: 11.32 min Scan# 852

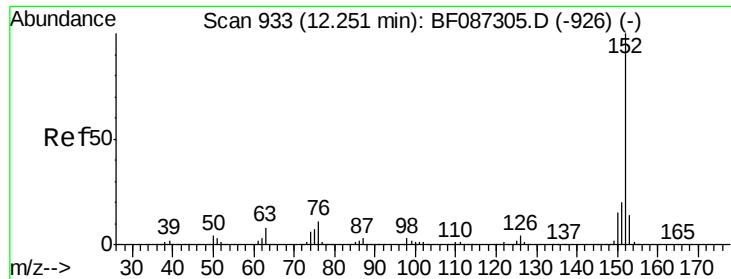
Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Tgt Ion:	172	Resp:	1014350
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.0	43.6
170	24.5	19.8	29.8





#48

Acenaphthylene

Concen: 9.80 ng

RT: 12.15 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Instrument :

BNA_F

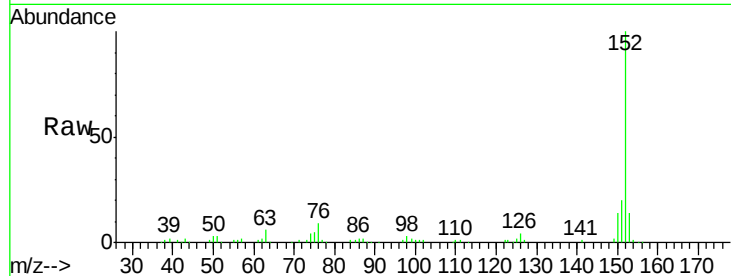
ClientSampleId :

TA-1330+60(0-4)

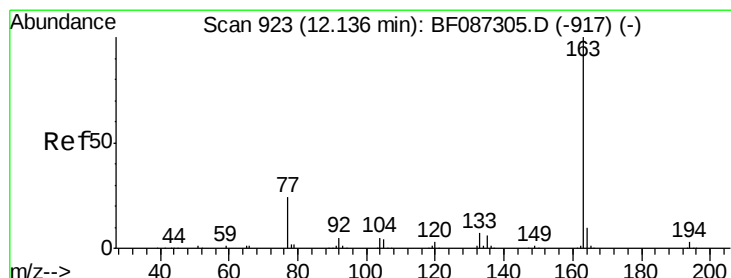
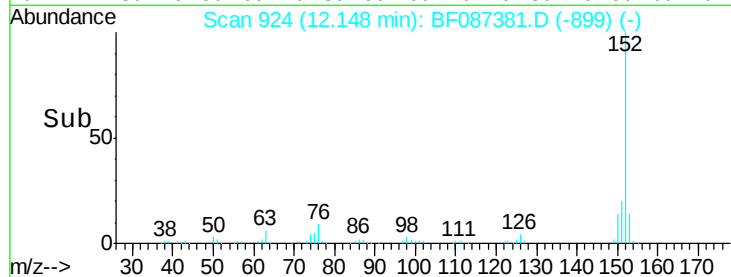
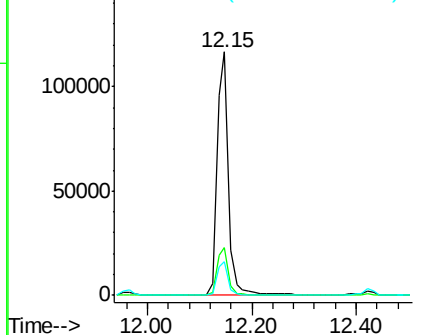
Tot Ion:	152	Resp:	178485
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.8	25.2
153	13.6	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 12.96 ng

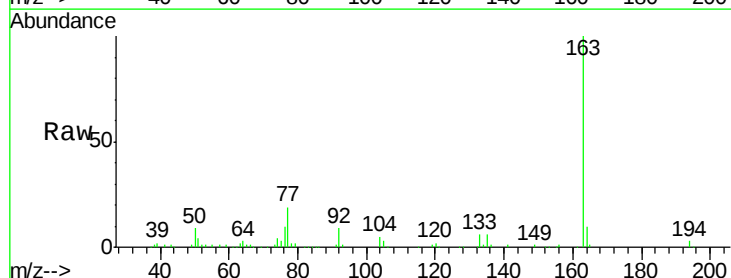
RT: 12.02 min Scan# 913

Delta R.T. -0.02 min

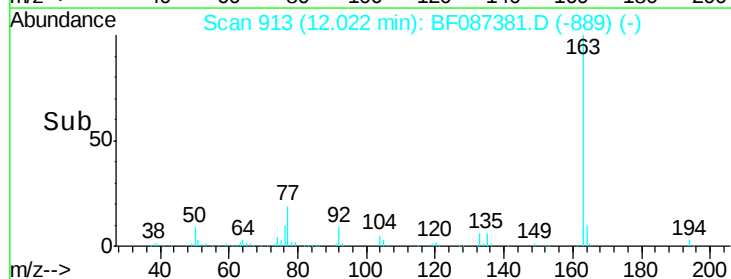
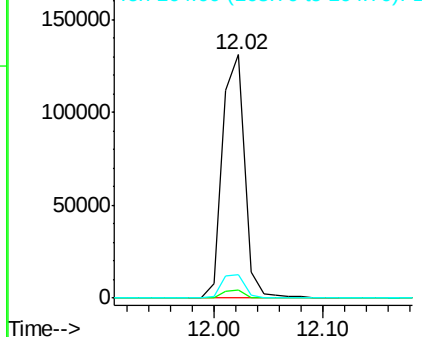
Lab File: BF087381.D

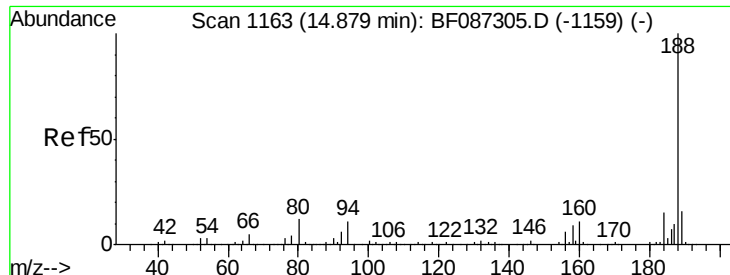
Acq: 25 May 2016 20:10

Tgt Ion:	163	Resp:	185471
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	9.8	8.2	12.4



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: 14.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Instrument :

BNA_F

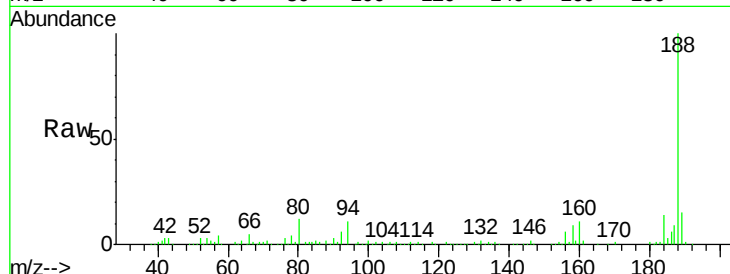
ClientSampleId :

TA-1330+60(0-4)

Tot Ion:	188	Resp:	281063
Ion Ratio	Lower	Upper	
188	100		
94	11.0	6.8	10.2#
80	12.4	7.1	10.7#

Manual Integrations
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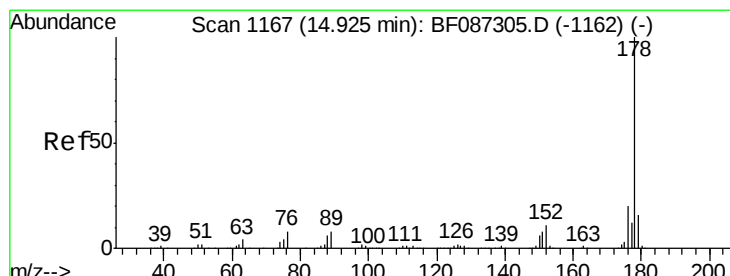
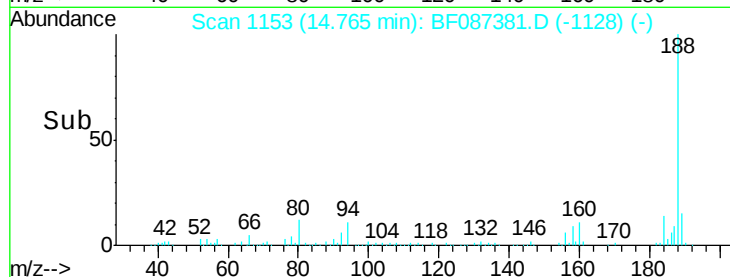
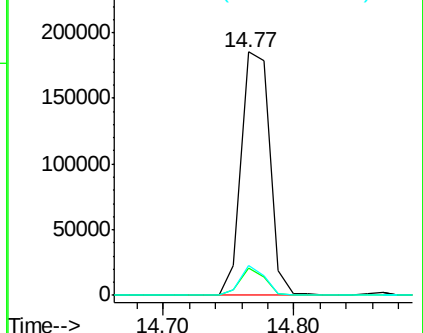
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 11.98 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF087381.D

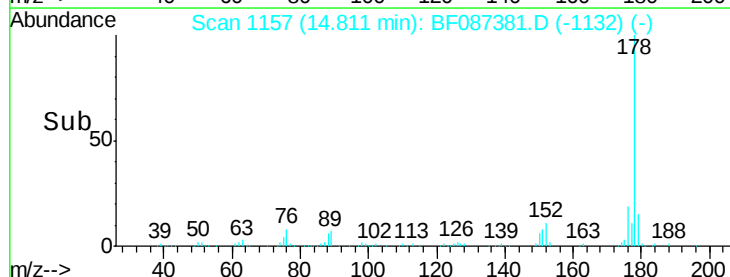
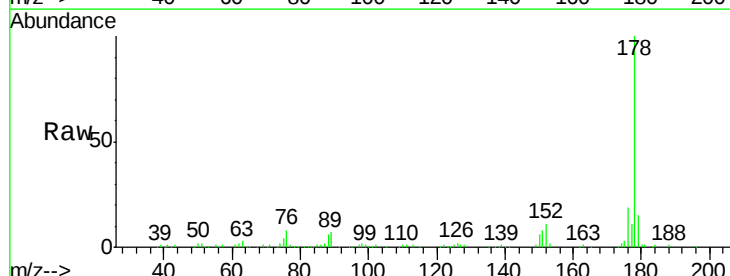
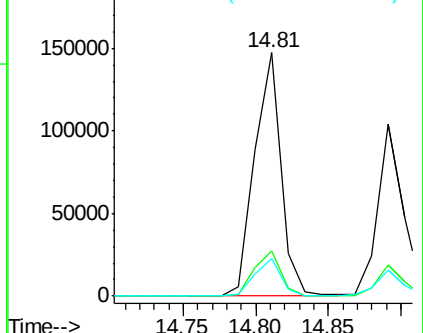
Acq: 25 May 2016 20:10

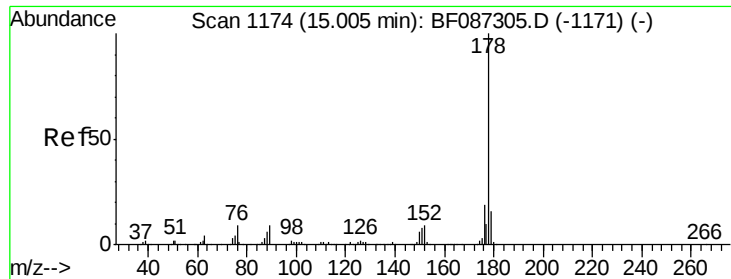
Tgt Ion:	178	Resp:	186584
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.0	24.0
179	15.5	12.6	18.8

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





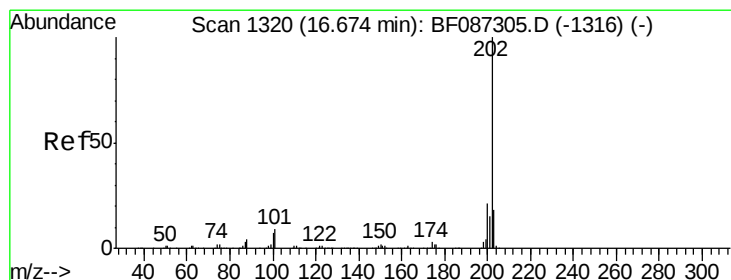
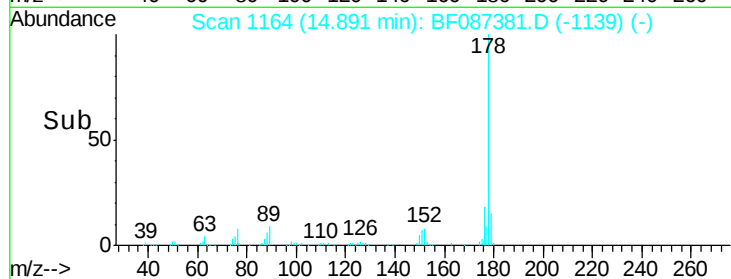
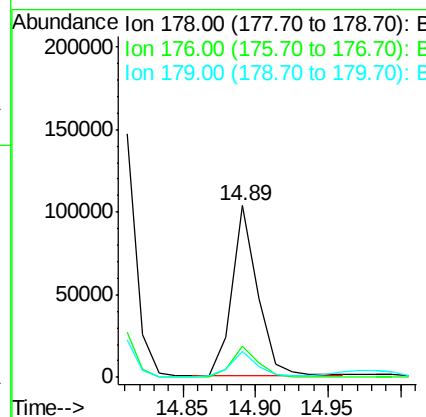
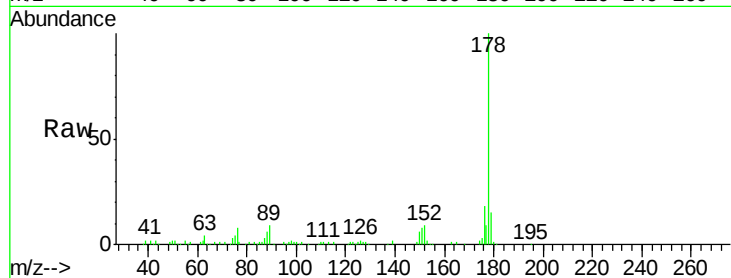
#71
 Anthracene
 Concen: 8.21 ng
 RT: 14.89 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF087381.D
 Acq: 25 May 2016 20:10

Instrument :
 BNA_F
 ClientSampleId :
 TA-1330+60(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.3	12.7	19.1

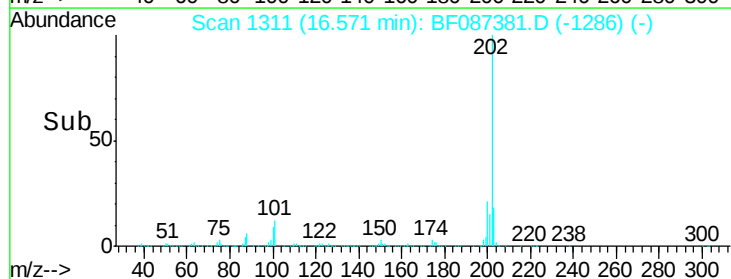
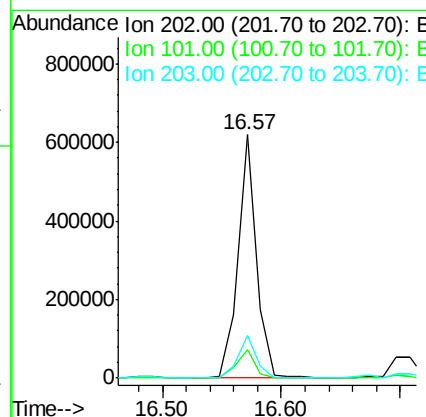
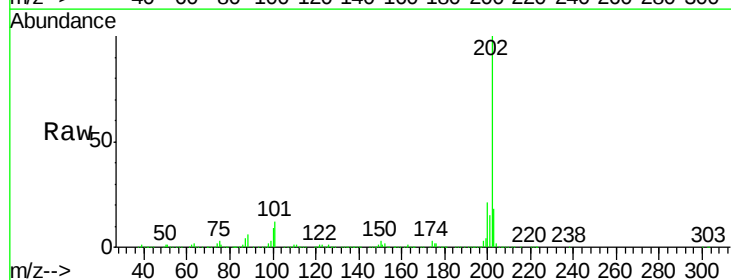
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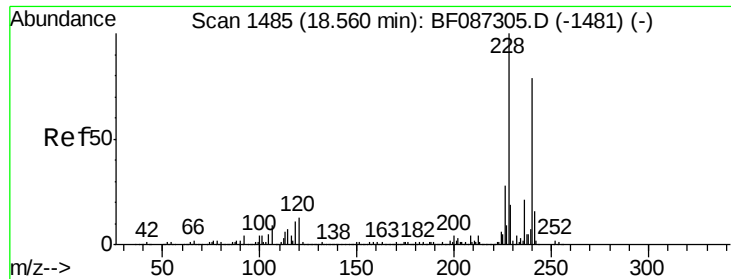
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#74
 Fluoranthene
 Concen: 42.83 ng
 RT: 16.57 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF087381.D
 Acq: 25 May 2016 20:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	35.4
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Instrument :

BNA_F

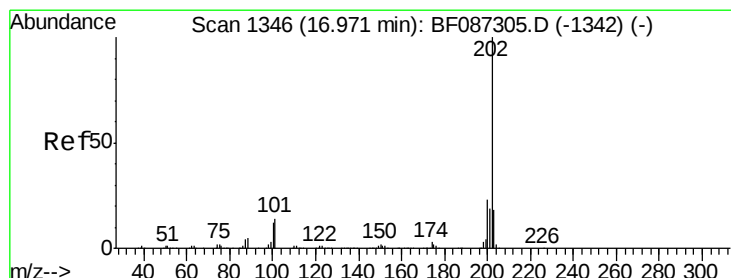
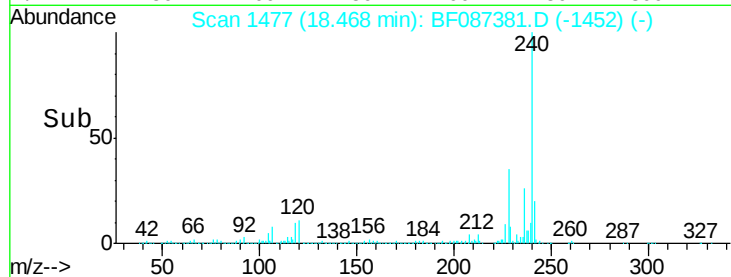
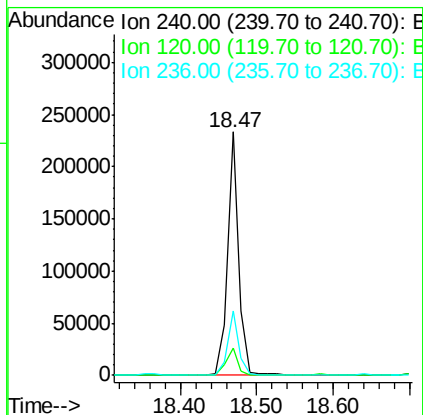
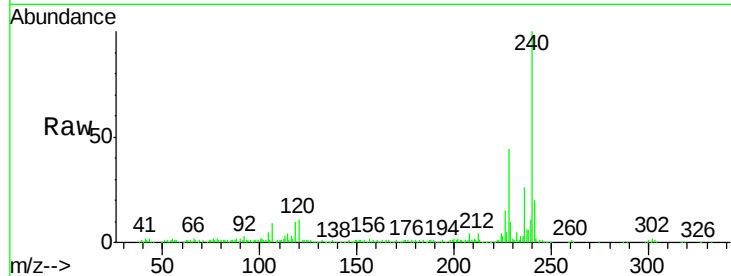
ClientSampleId :

TA-1330+60(0-4)

Tot Ion:	240	Resp:	241415
Ion Ratio	Lower	Upper	
240	100		
120	11.4	11.2	16.8
236	26.5	21.2	31.8

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#77

Pyrene

Concen: 36.44 ng

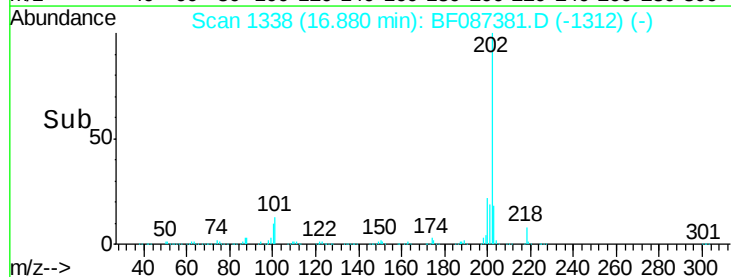
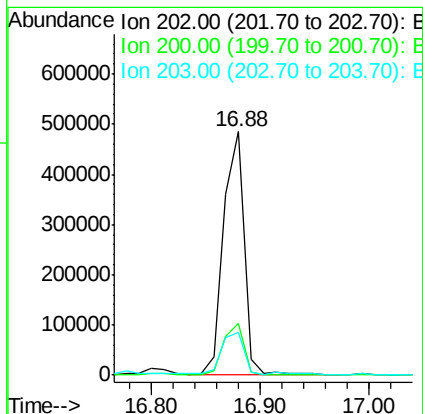
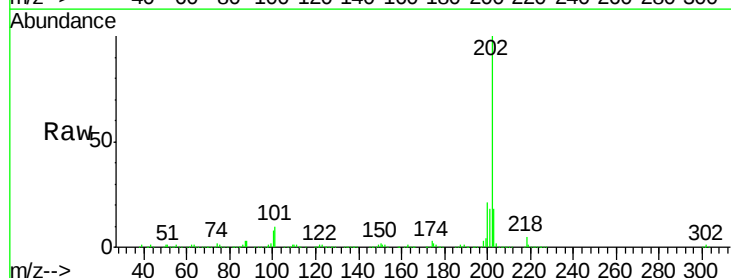
RT: 16.88 min Scan# 1338

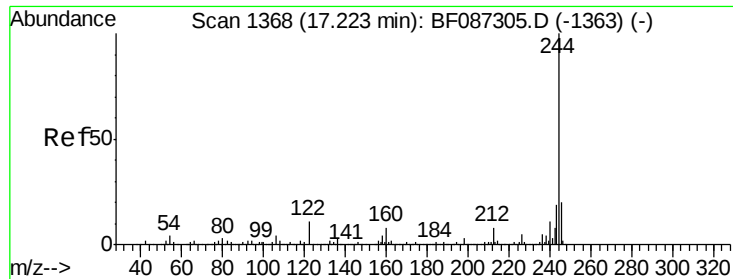
Delta R.T. -0.00 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Tgt Ion:	202	Resp:	633289
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	17.8	14.2	21.4





#78

Terphenyl-d14

Concen: 60.87 ng

RT: 17.13 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Instrument :

BNA_F

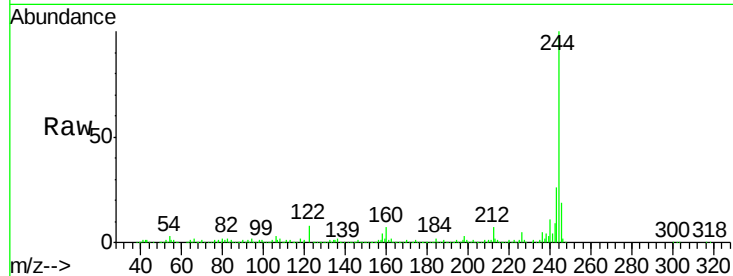
ClientSampleId :

TA-1330+60(0-4)

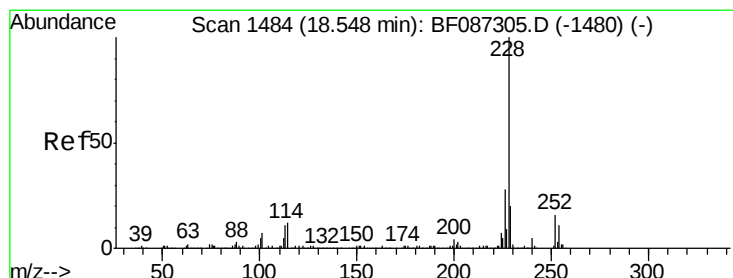
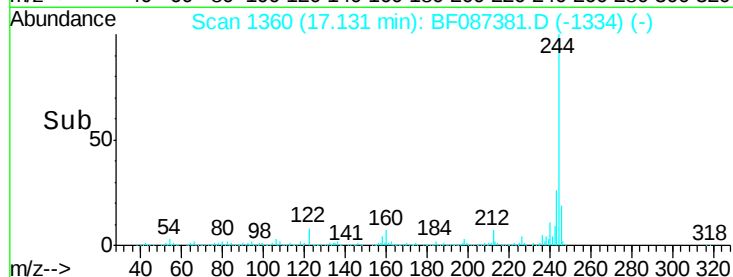
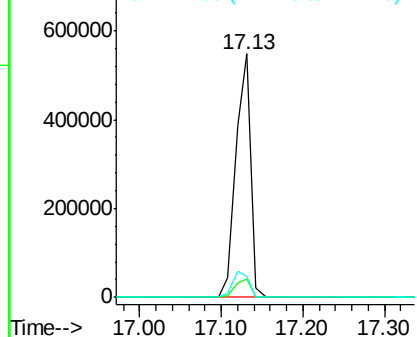
Tot Ion:	244	Resp:	691184
Ion Ratio		Lower	Upper
244	100		
212	7.4	6.2	9.2
122	8.4	12.0	18.0#

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



#80

Benzo(a)anthracene

Concen: 30.58 ng m

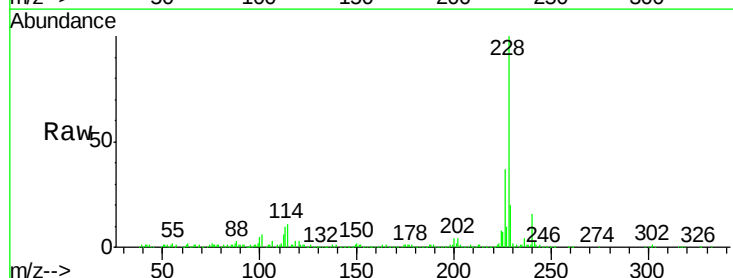
RT: 18.46 min Scan# 1476

Delta R.T. -0.00 min

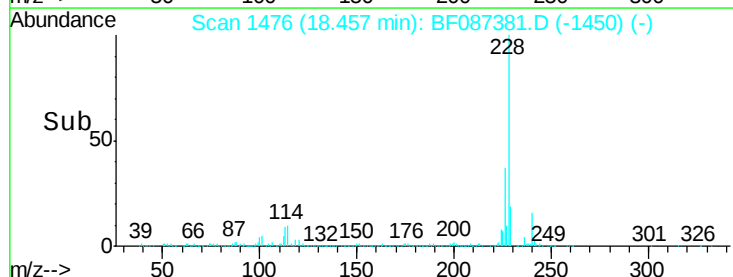
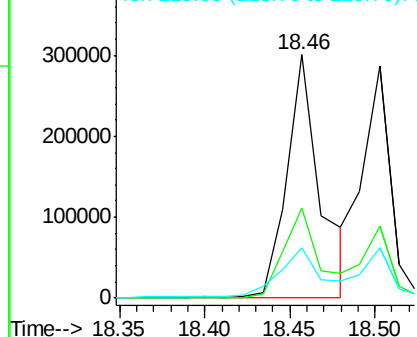
Lab File: BF087381.D

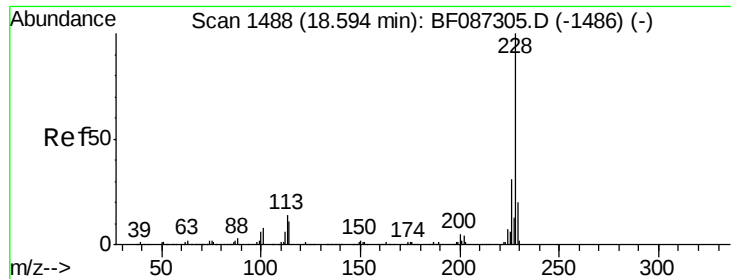
Acq: 25 May 2016 20:10

Tgt Ion:	228	Resp:	419959
Ion Ratio		Lower	Upper
228	100		
226	37.0	22.5	33.7#
229	20.5	16.6	25.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 23.54 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Instrument :

BNA_F

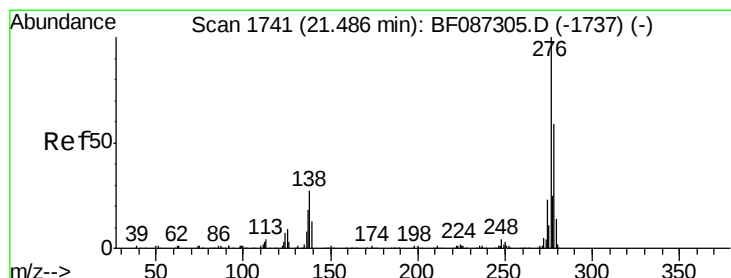
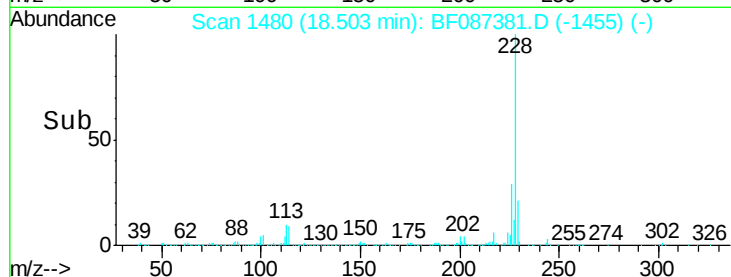
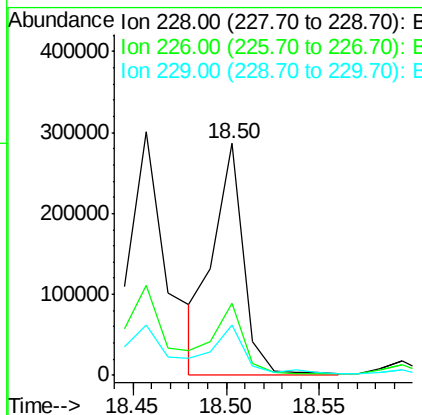
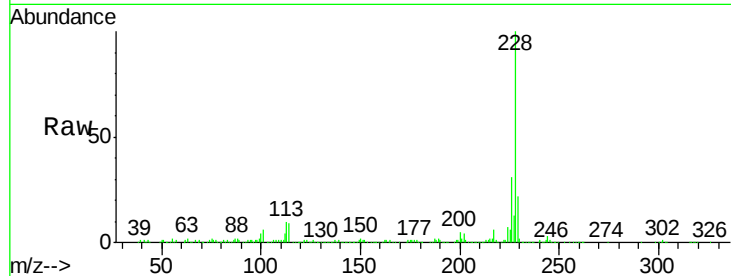
ClientSampleId :

TA-1330+60(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.3		24.4	36.6	
229	21.8		15.8	23.8	

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.19 ng

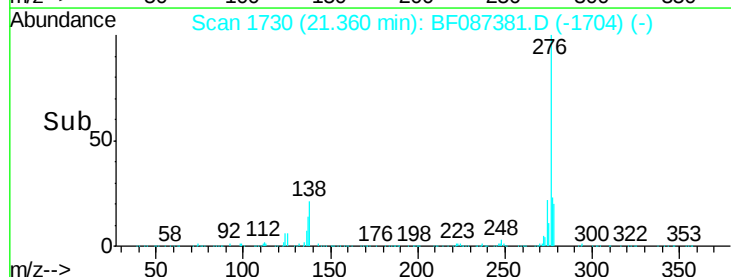
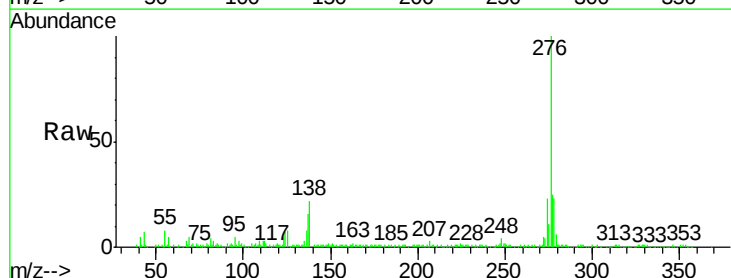
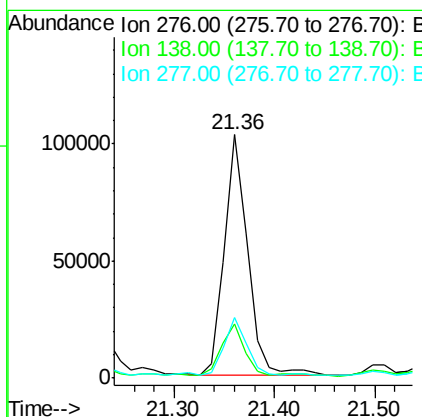
RT: 21.36 min Scan# 1730

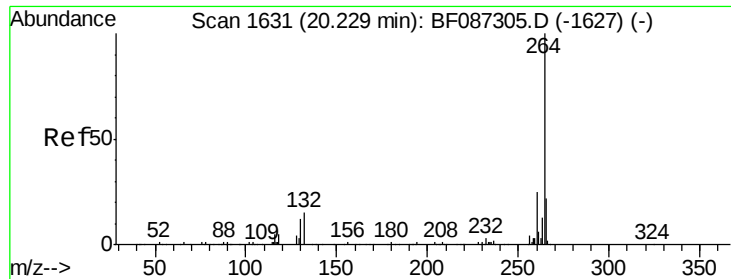
Delta R.T. -0.00 min

Lab File: BF087381.D

Acq: 25 May 2016 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	20.8		25.6	38.4#	
277	24.9		20.5	30.7	





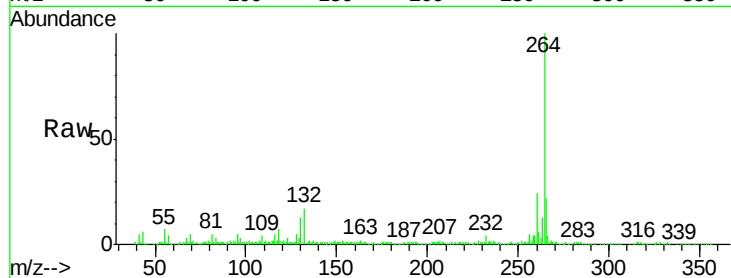
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Instrument :
BNA_F
ClientSampleId :
TA-1330+60(0-4)

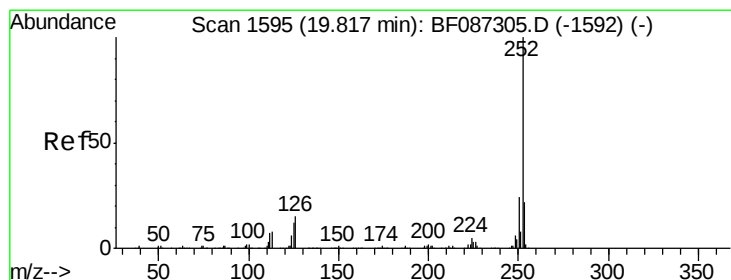
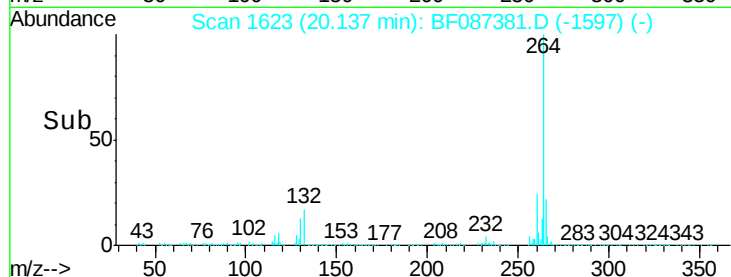
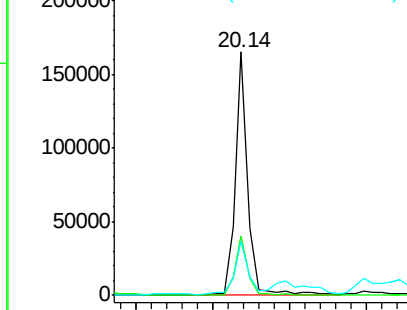
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.3	17.3	25.9

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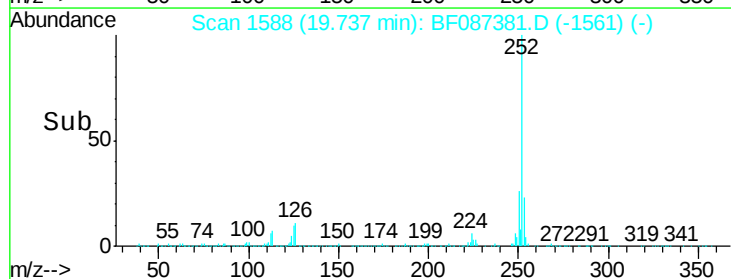
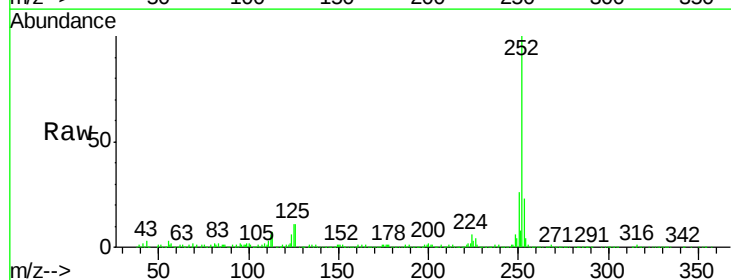
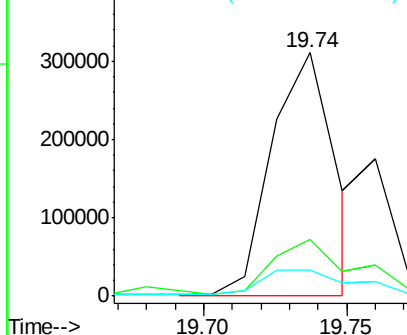
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

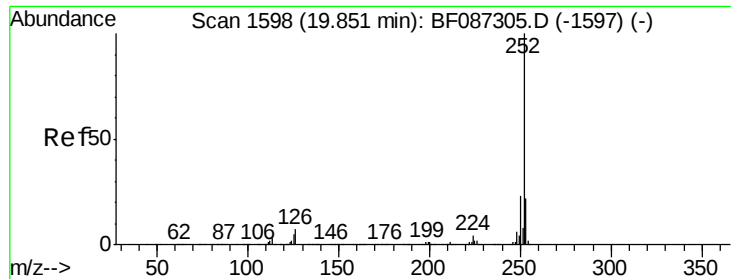


#87
Benzo(b)fluoranthene
Concen: 40.13 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.8	11.4	17.0

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





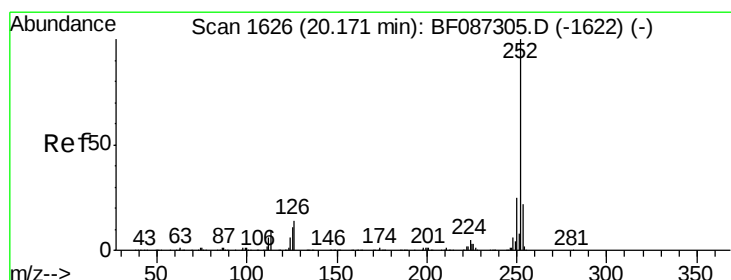
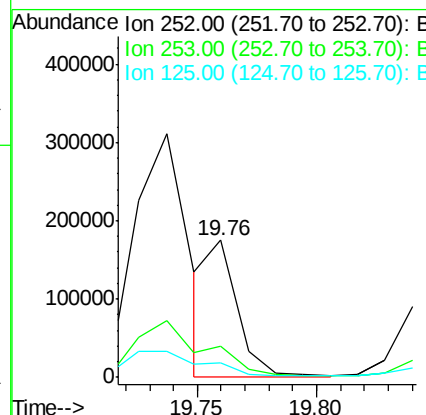
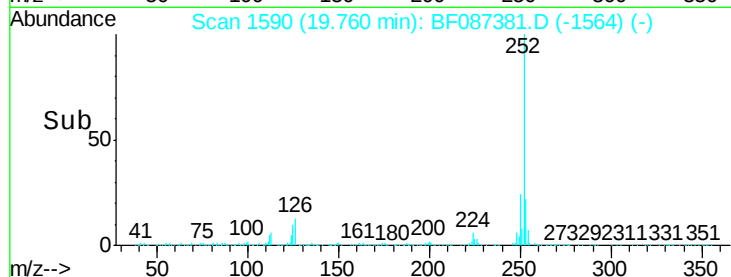
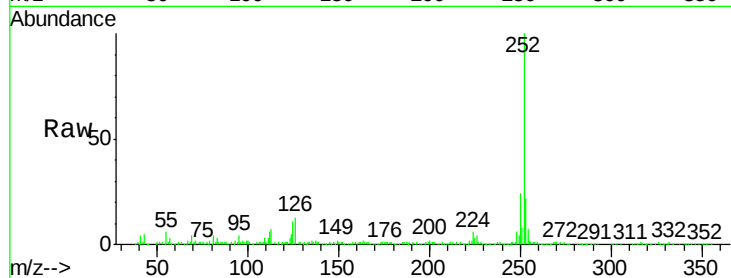
#88
Benzo(k)fluoranthene
Concen: 14.71 ng m
RT: 19.76 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Instrument :
BNA_F
ClientSampleId :
TA-1330+60(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.6	9.1	13.7

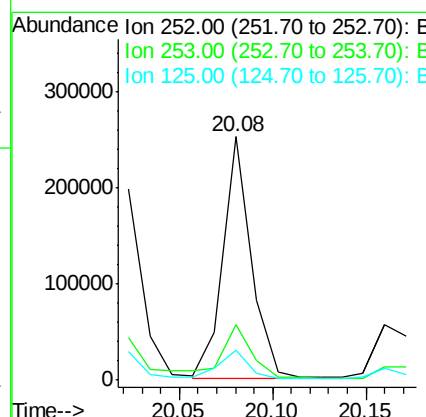
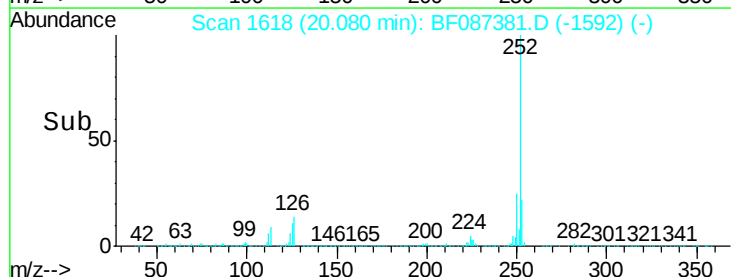
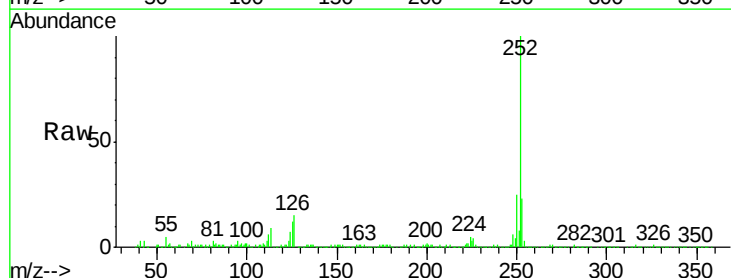
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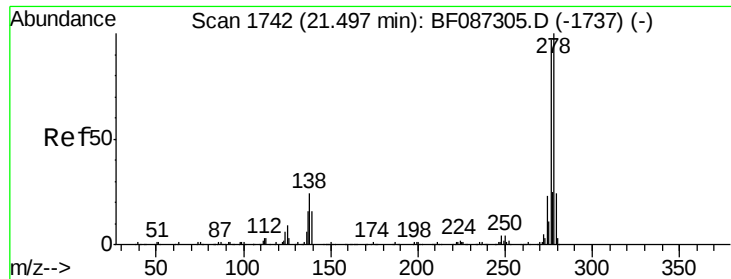
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#89
Benzo(a)pyrene
Concen: 25.93 ng
RT: 20.08 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	12.0	9.0	13.6





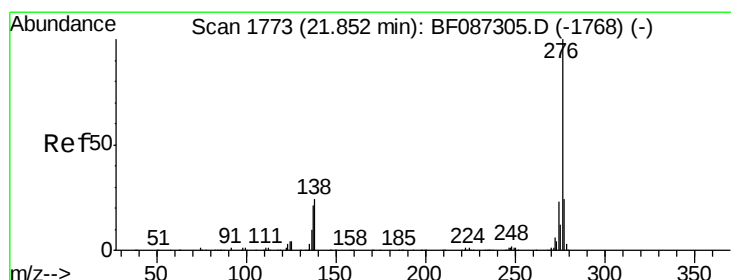
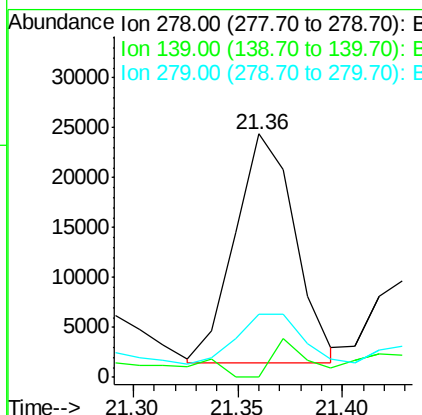
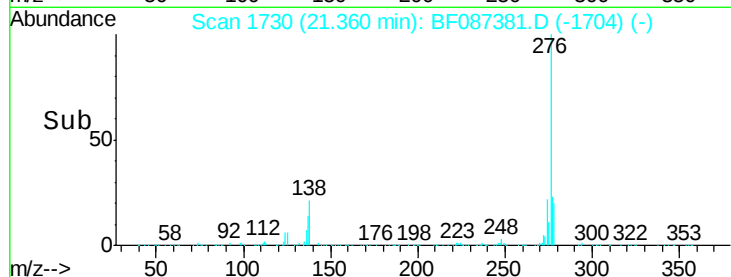
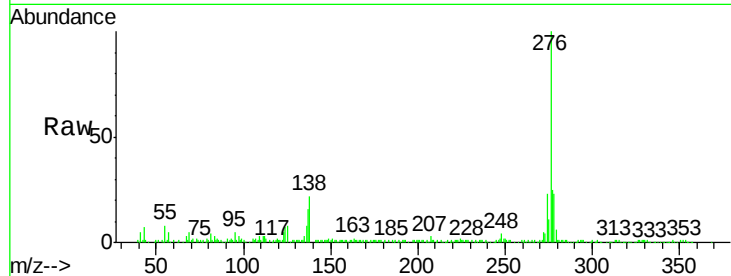
#90
Dibenzo(a,h)anthracene
Concen: 5.22 ng/ml
RT: 21.36 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Instrument :
BNA_F
ClientSampleId :
TA-1330+60(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	25.7	19.6	29.4

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#91
Benzo(g,h,i)perylene
Concen: 16.06 ng/ml
RT: 21.71 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BF087381.D
Acq: 25 May 2016 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.6	29.4
138	23.4	23.6	35.4#

