

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086809.D
 Acq On : 8 May 2016 8:09
 Operator : UM/SJ
 Sample : H2720-12
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS6

Manual Integrations
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Quant Time: May 09 01:46:59 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	6.70	152	190875	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	716480	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	311112	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	547645	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	354988	40.00	ng	-0.03
86) Perylene-d12	15.23	264	324478	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1598732	138.66	ng	0.00
7) Phenol-d6	6.37	99	1871196	120.48	ng	0.00
23) Nitrobenzene-d5	7.28	82	1272263	91.25	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	463666	152.35	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1844120	97.17	ng	-0.03
78) Terphenyl-d14	12.81	244	1368823	77.93	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	301055	12.98	ng	99
70) Phenanthrene	11.24	178	330623	11.24	ng	99
71) Anthracene	11.29	178	61826	2.01	ng	97
74) Fluoranthene	12.42	202	494985	16.79	ng	99
77) Pyrene	12.65	202	394380	13.94	ng	99
80) Benzo(a)anthracene	13.84	228	179503	8.94	ng	96
82) Chrysene	13.87	228	184476m	8.61	ng	
85) Indeno(1,2,3-cd)pyrene	16.52	276	87947	4.79	ng	# 89
87) Benzo(b)fluoranthene	14.84	252	220371m	11.30	ng	
88) Benzo(k)fluoranthene	14.85	252	91735m	4.99	ng	
89) Benzo(a)pyrene	15.17	252	143473m	7.99	ng	
91) Benzo(g,h,i)perylene	16.91	276	75048	4.14	ng	94

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

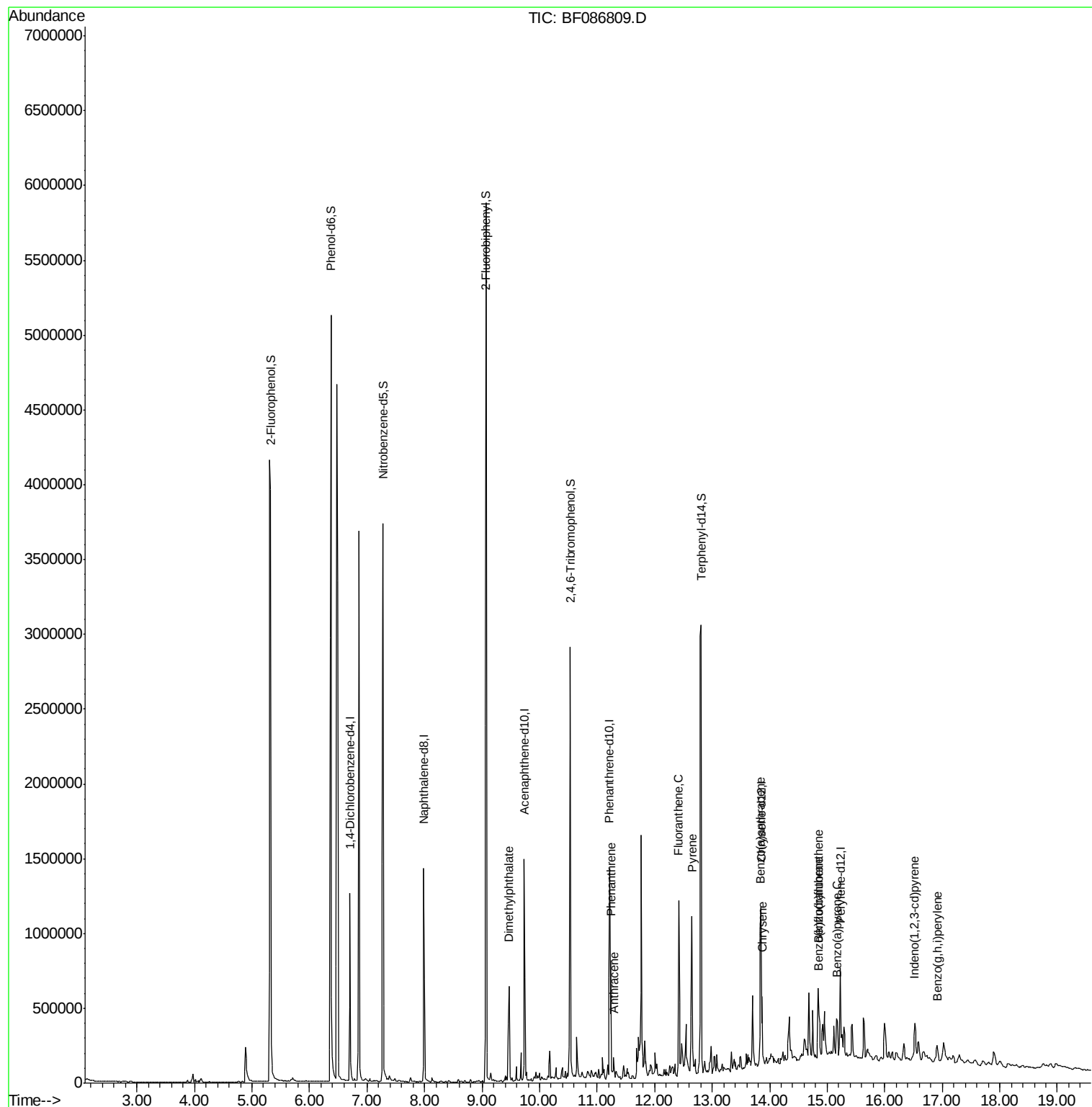
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086809.D
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Misc :
ALS Vial : 77 Sample Multiplier: 1

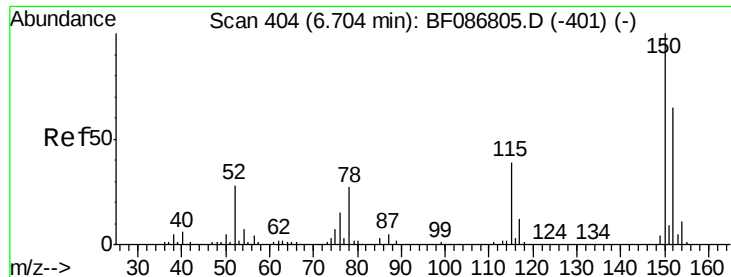
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#1

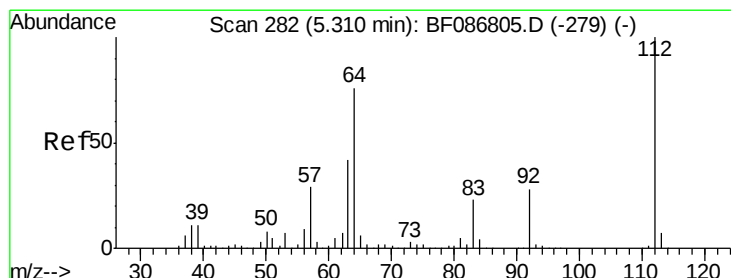
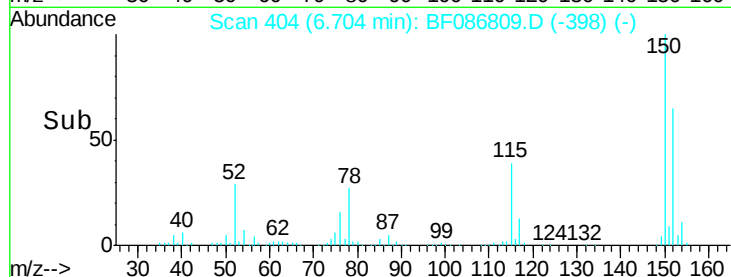
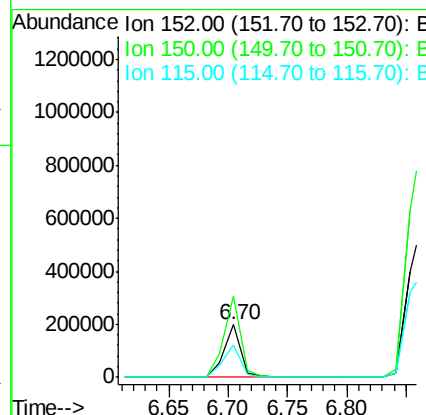
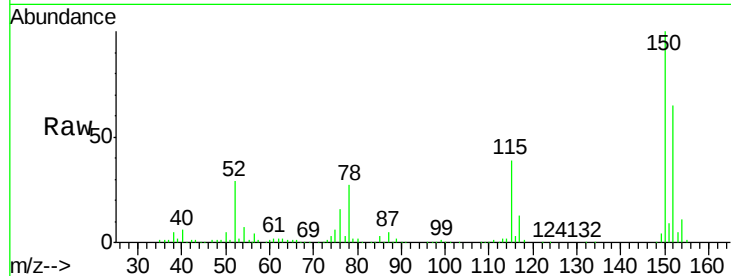
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Instrument :
BNA_F
ClientSampleId :
SS6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	190875		
150	155.0	125.8	188.6	
115	61.2	51.5	77.3	

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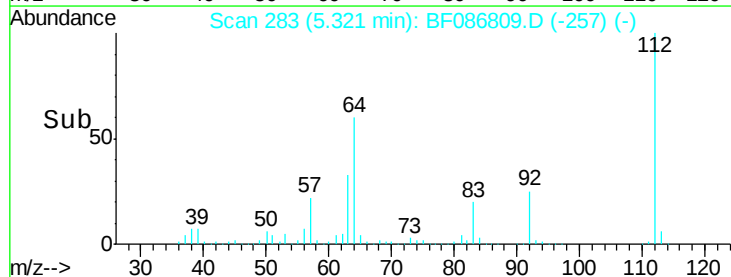
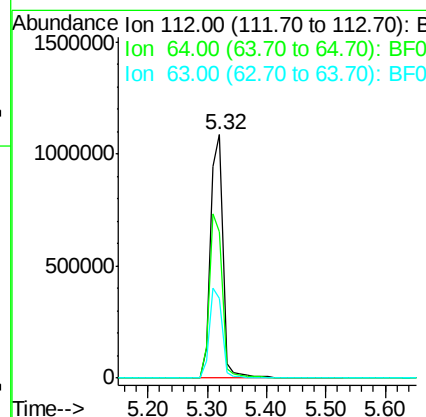
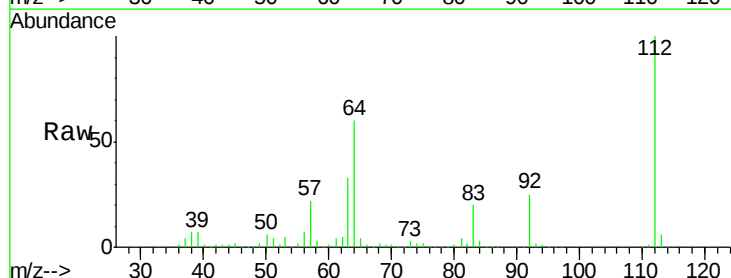
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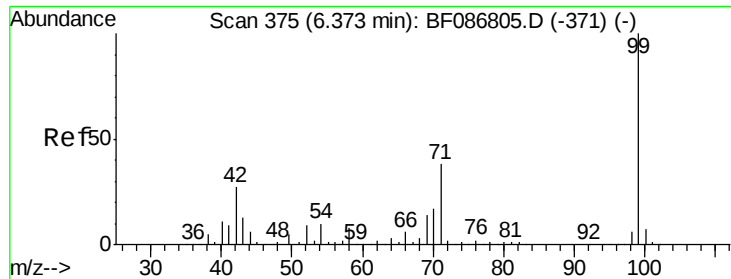


#5

2-Fluorophenol
Concen: 138.66 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1598732		
64	60.3	52.1	78.1	
63	32.8	25.7	38.5	





#7

Phenol-d6

Concen: 120.48 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086809.D

Acq: 8 May 2016 8:09

Instrument :

BNA_F

ClientSampleId :

SS6

Tgt Ion: 99 Resp: 1871196

Ion Ratio Lower Upper

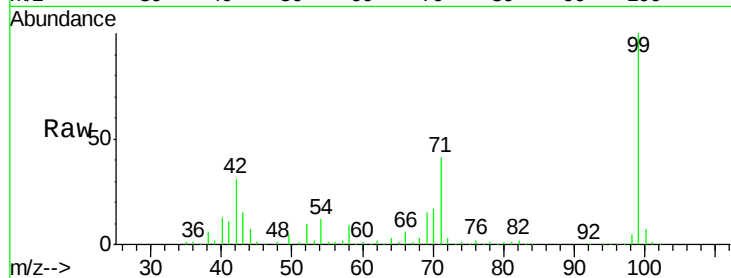
99 100

42 31.2 13.6 20.4#

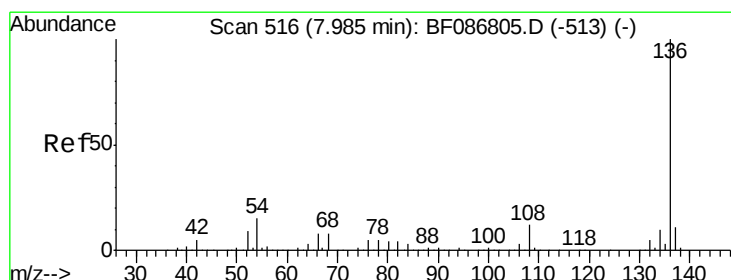
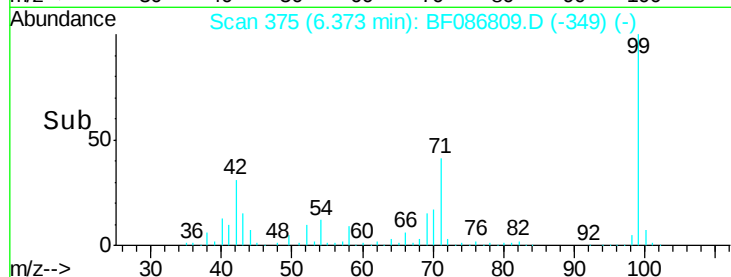
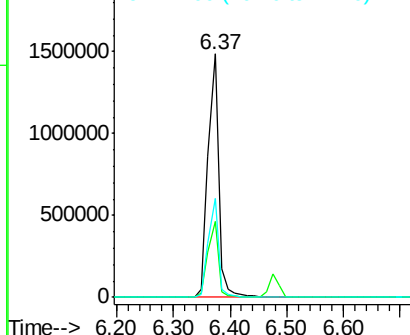
71 40.6 24.6 36.8#

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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: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086809.D

Acq: 8 May 2016 8:09

Tgt Ion: 136 Resp: 716480

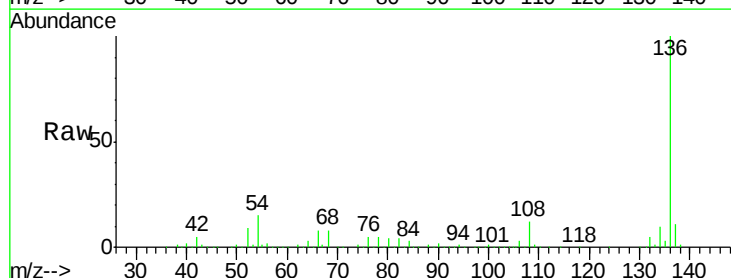
Ion Ratio Lower Upper

136 100

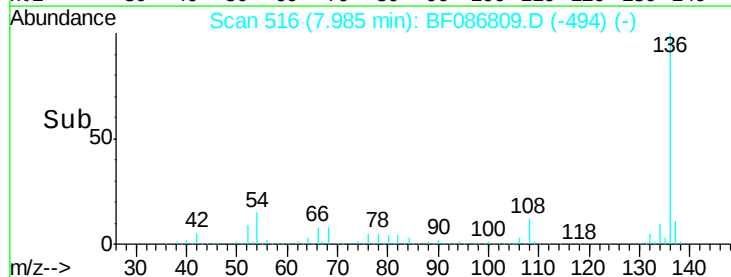
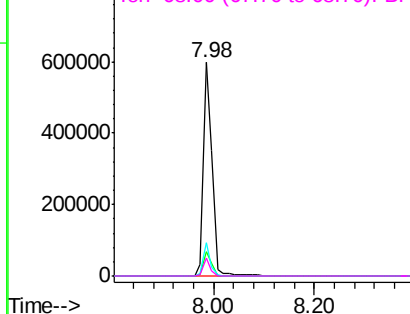
137 11.3 8.8 13.2

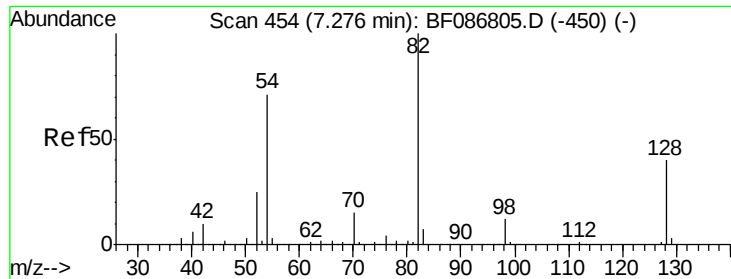
54 15.5 5.0 7.4#

68 8.2 4.4 6.6#



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





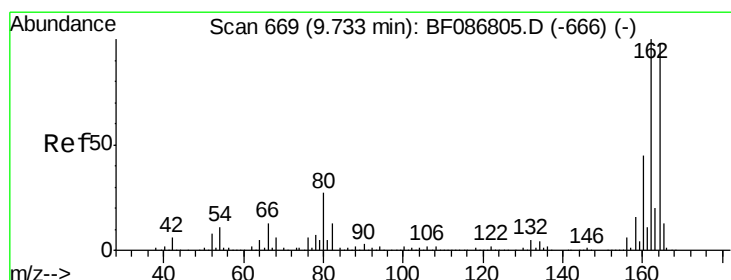
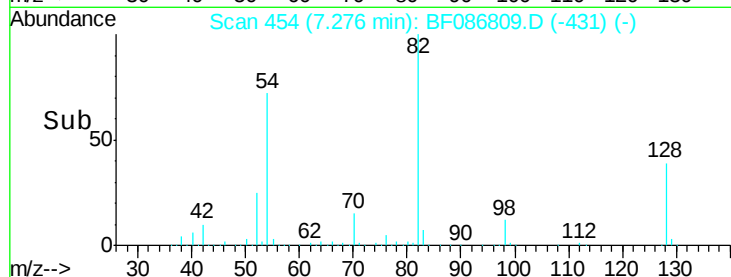
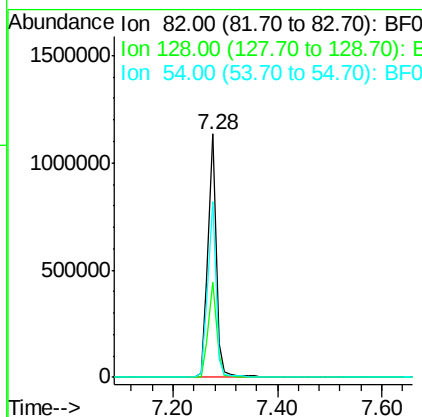
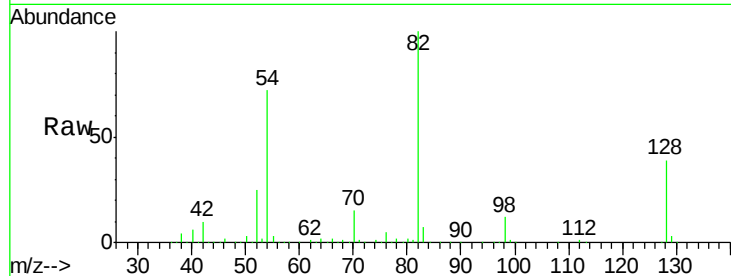
#23
 Nitrobenzene-d5
 Concen: 91.25 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Instrument :
 BNA_F
 ClientSampleId :
 SS6

Tgt Ion: 82 Resp: 1272263
 Ion Ratio Lower Upper
 82 100
 128 38.9 40.6 61.0#
 54 72.4 38.1 57.1#

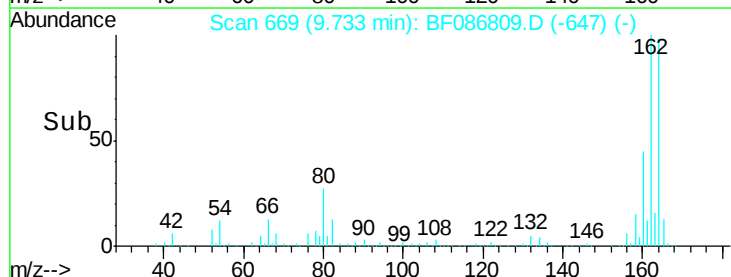
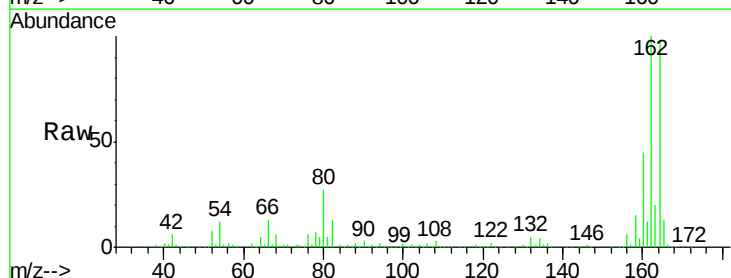
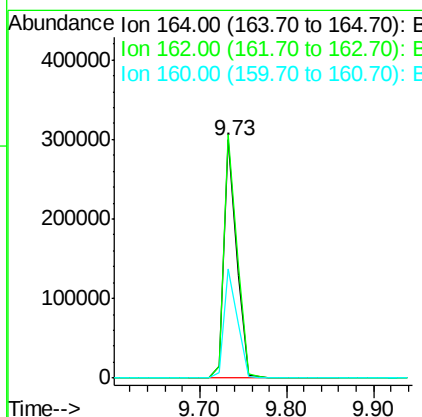
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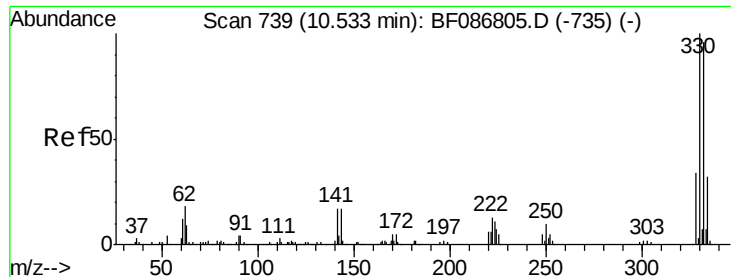
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#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Tgt Ion: 164 Resp: 311112
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.8 124.2
 160 45.9 36.9 55.3





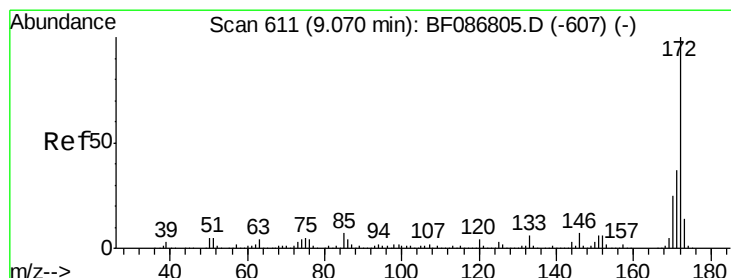
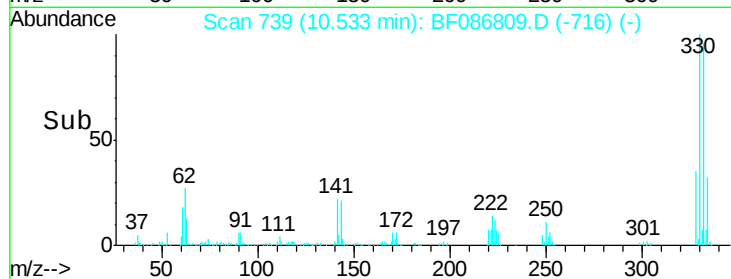
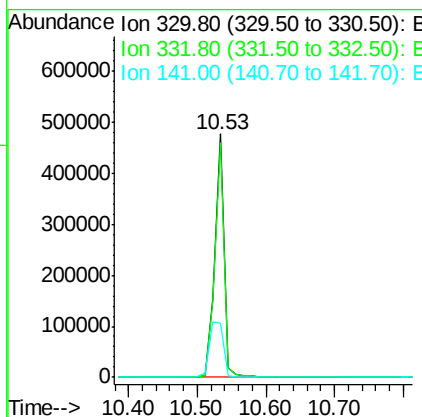
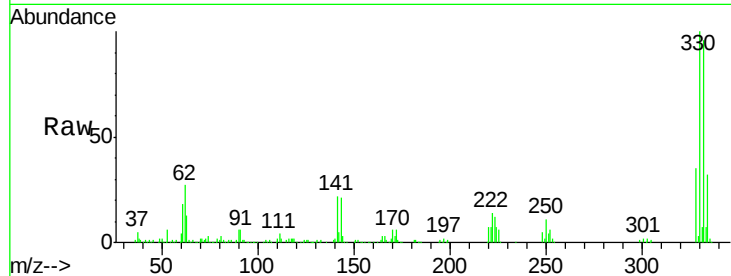
#41
 2,4,6-Tribromophenol
 Concen: 152.35 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Instrument :
 BNA_F
 ClientSampleId :
 SS6

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	463666		
332	96.6	79.0	118.4	
141	34.6	31.2	46.8	

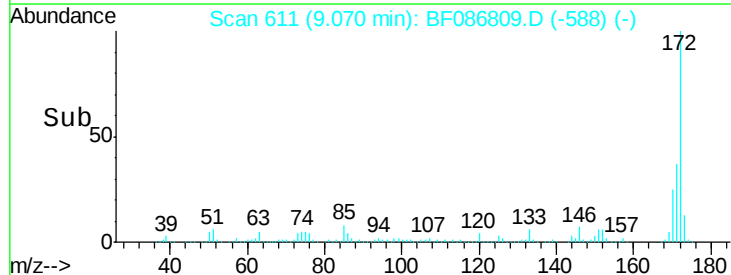
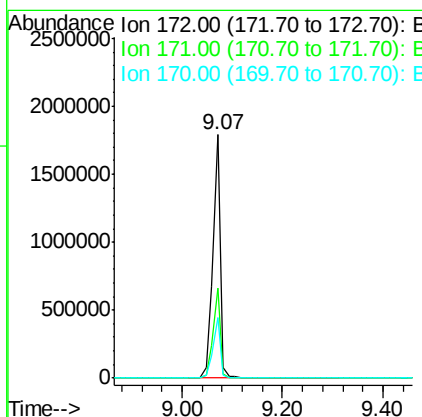
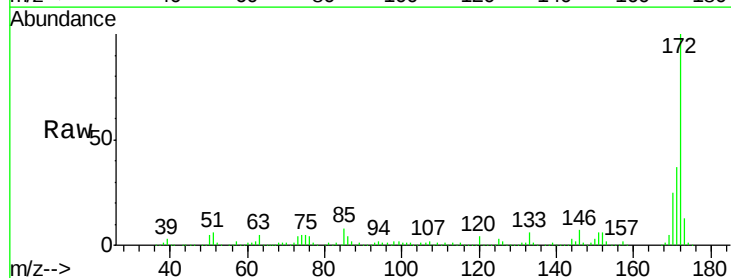
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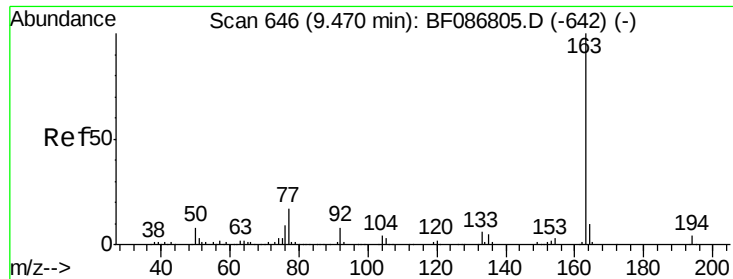
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#44
 2-Fluorobiphenyl
 Concen: 97.17 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1844120		
171	36.9	29.0	43.6	
170	24.9	19.8	29.8	





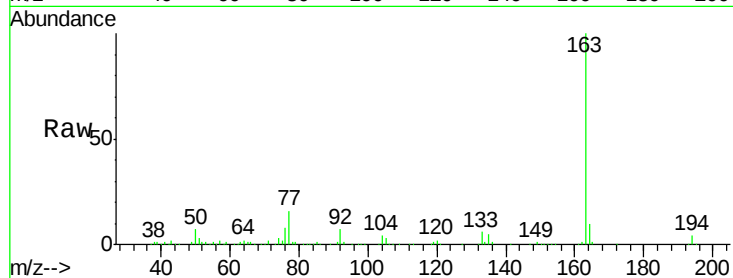
#49
Dimethylphthalate
Concen: 12.98 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Instrument :
BNA_F
ClientSampleId :
SS6

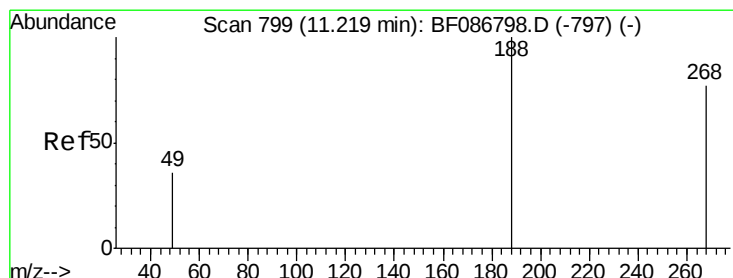
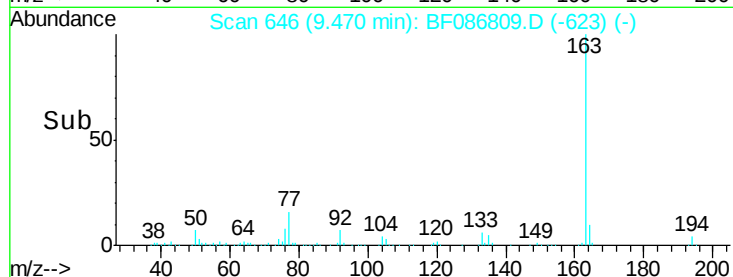
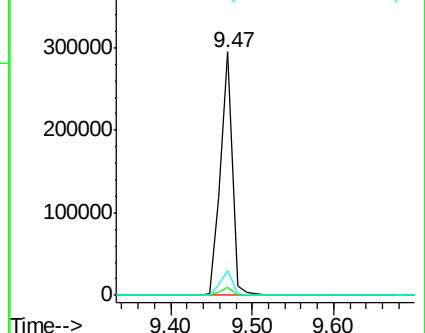
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	301055		
194	3.5	2.6	4.0	
164	9.9	8.2	12.4	

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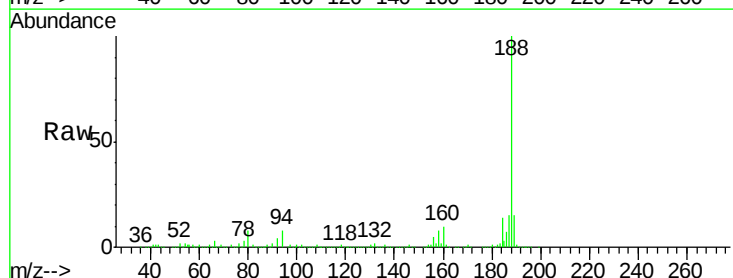


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

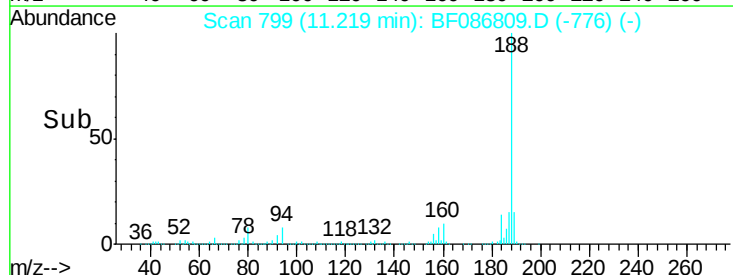
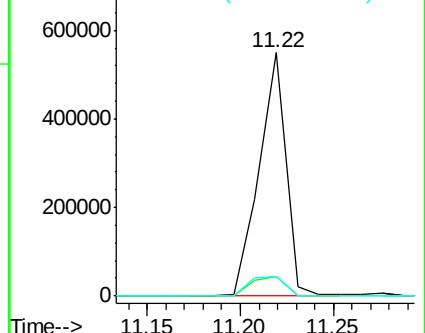


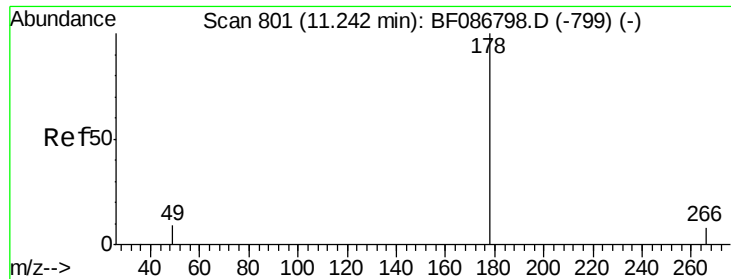
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Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	547645		
94	8.0	6.8	10.2	
80	8.1	7.1	10.7	



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





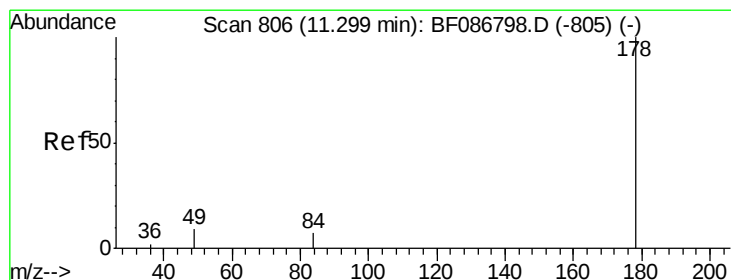
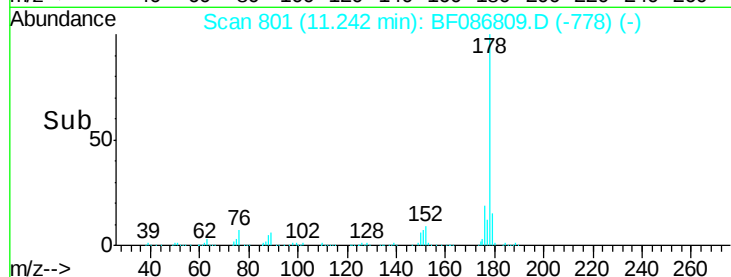
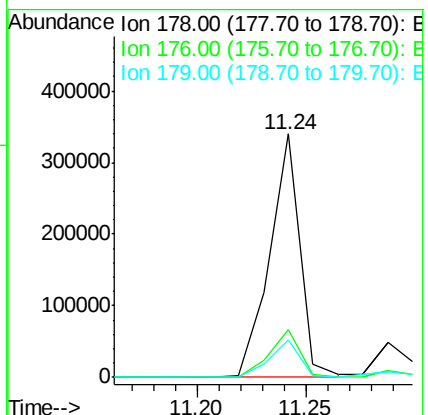
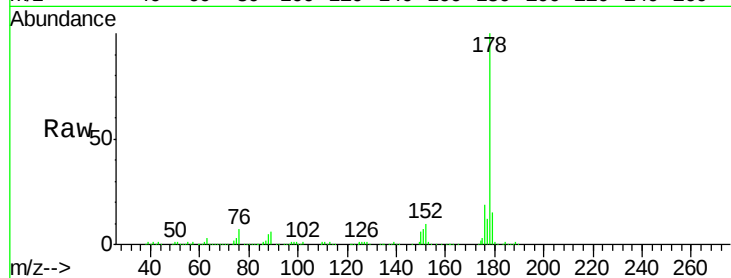
#70
Phenanthrene
Concen: 11.24 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Instrument :
BNA_F
ClientSampleId :
SS6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.4	12.6	18.8

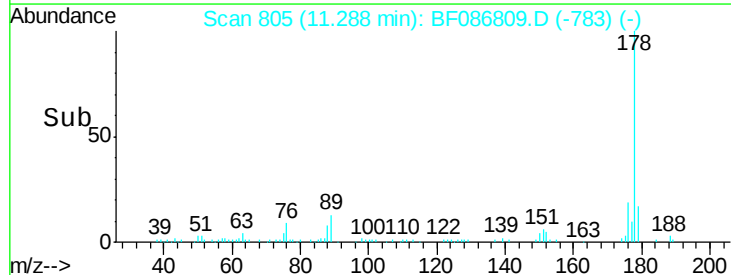
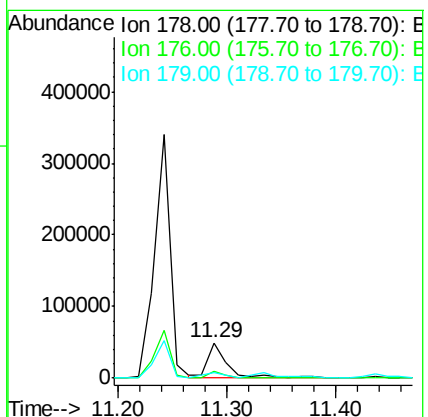
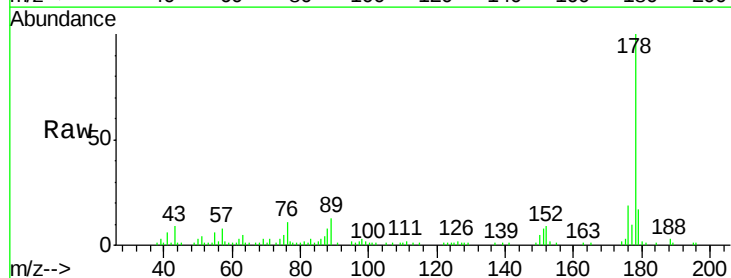
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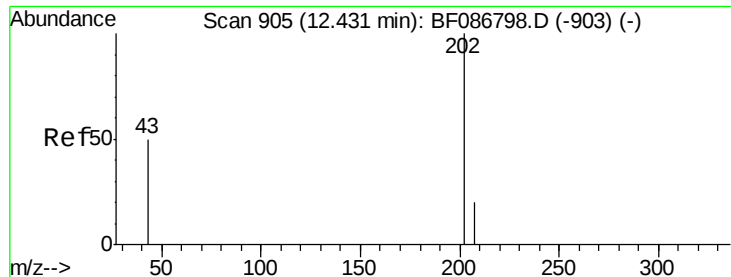
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#71
Anthracene
Concen: 2.01 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	17.3	12.7	19.1





#74

Fluoranthene

Concen: 16.79 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF086809.D

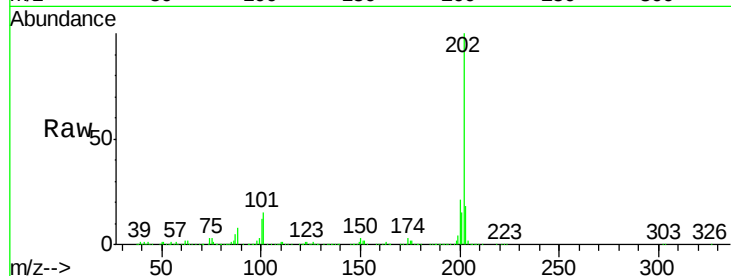
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Instrument :

BNA_F

ClientSampleId :

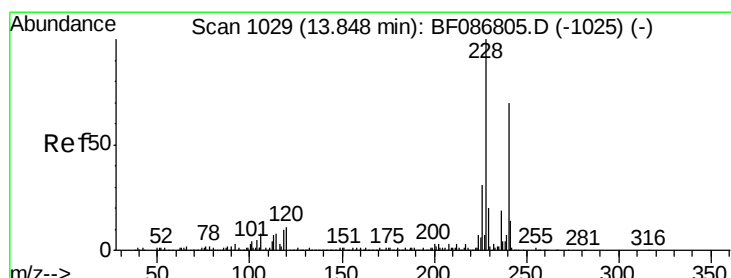
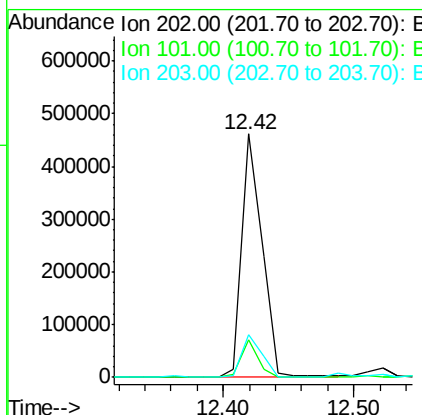
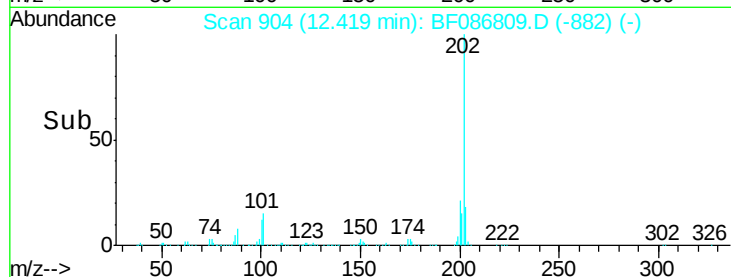
SS6



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		494985		
101	15.4	0.0	35.4		
203	17.6	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 40.00 ng

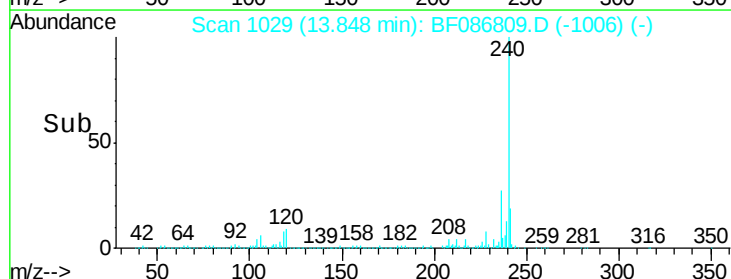
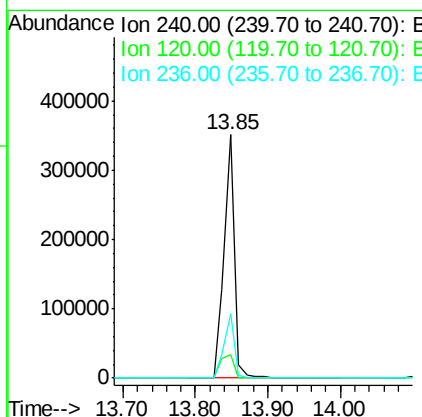
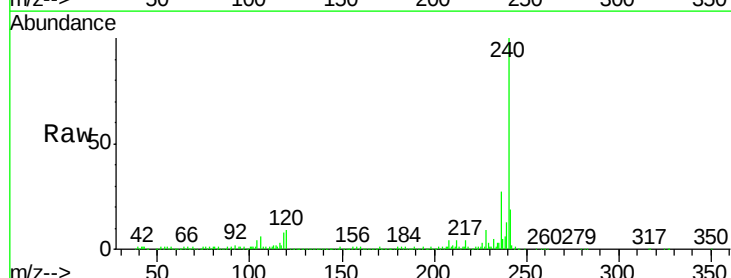
RT: 13.85 min Scan# 1029

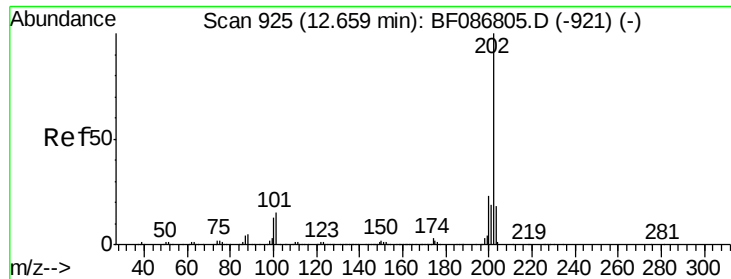
Delta R.T. -0.03 min

Lab File: BF086809.D

Acq: 8 May 2016 8:09

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		354988		
120	9.5	11.2	16.8#		
236	26.7	21.2	31.8		





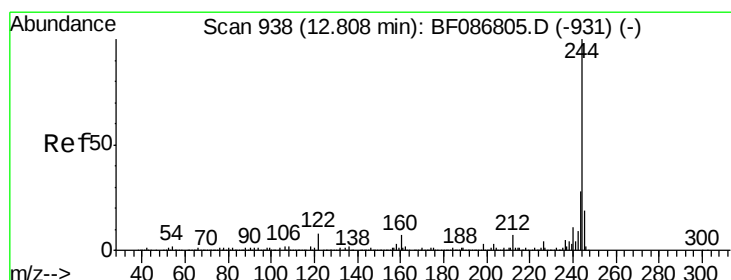
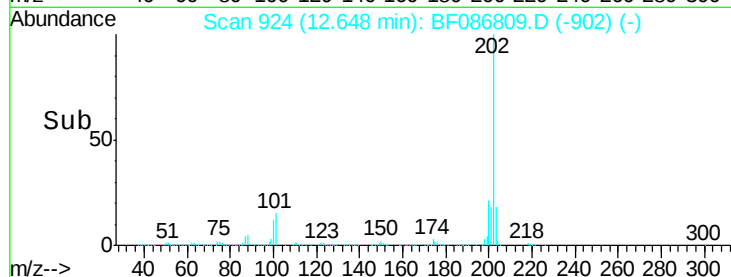
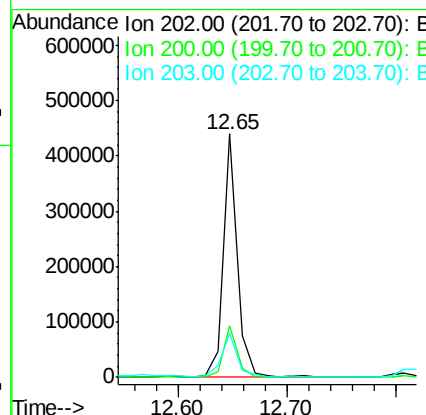
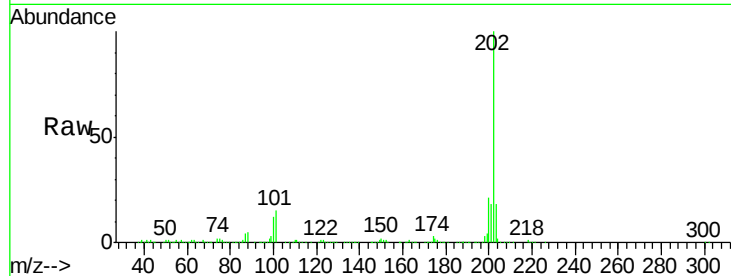
#77
 Pyrene
 Concen: 13.94 ng
 RT: 12.65 min Scan# 924
 Delta R.T. -0.05 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Instrument :
 BNA_F
 ClientSampleId :
 SS6

Tgt Ion:	202	Resp:	394380
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.9	14.2	21.4

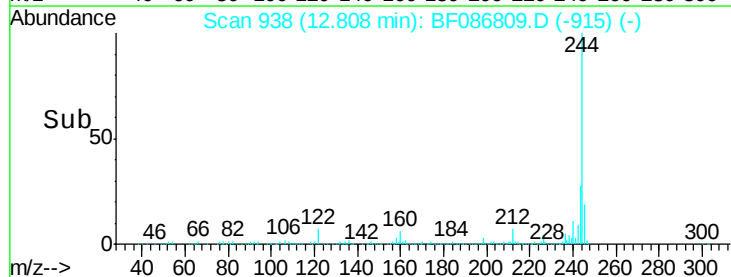
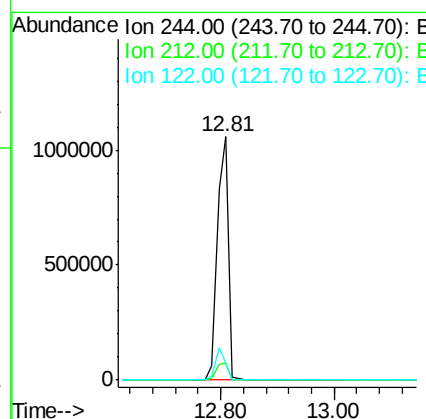
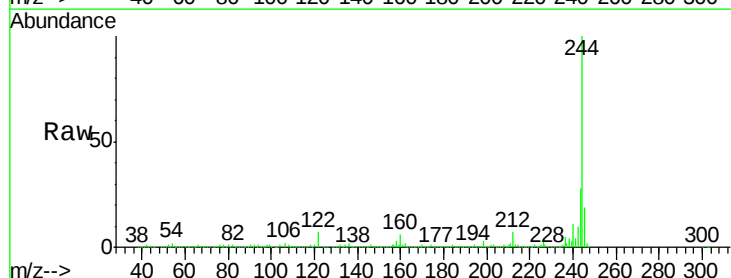
Manual Integrations
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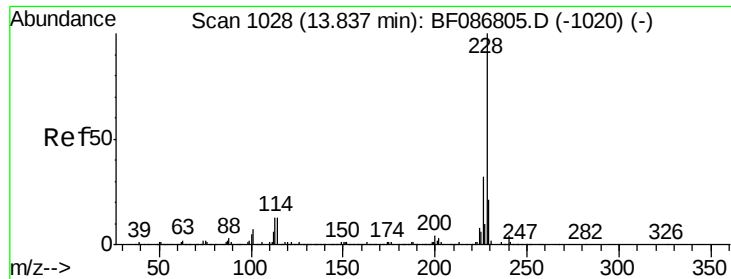
Sohil
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#78
 Terphenyl-d14
 Concen: 77.93 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Tgt Ion:	244	Resp:	1368823
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.2	9.2
122	7.0	12.0	18.0#





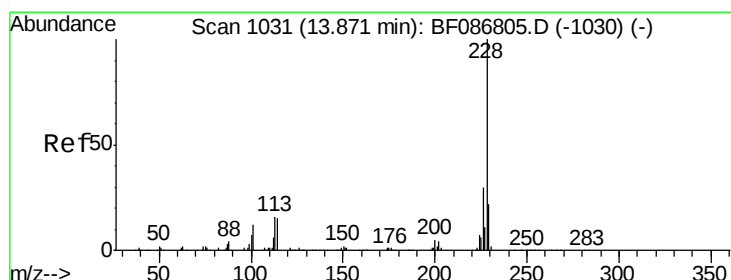
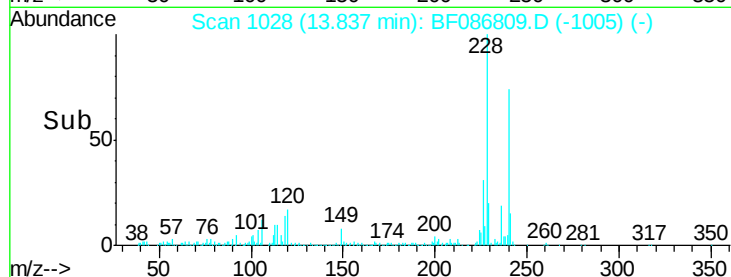
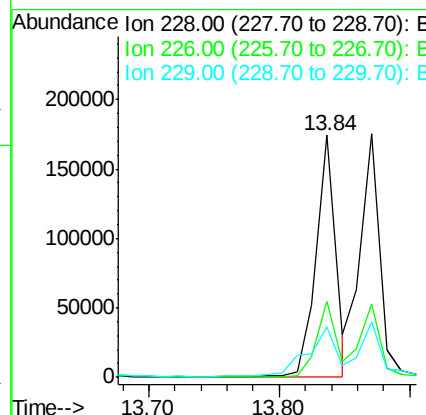
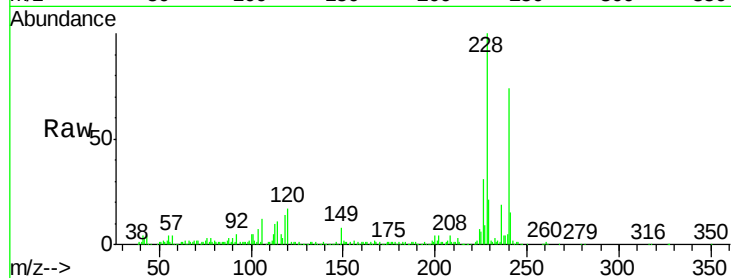
#80
Benzo(a)anthracene
Concen: 8.94 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Instrument :
BNA_F
ClientSampleId :
SS6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	179503		
226	31.4	22.5	33.7	
229	20.7	16.6	25.0	

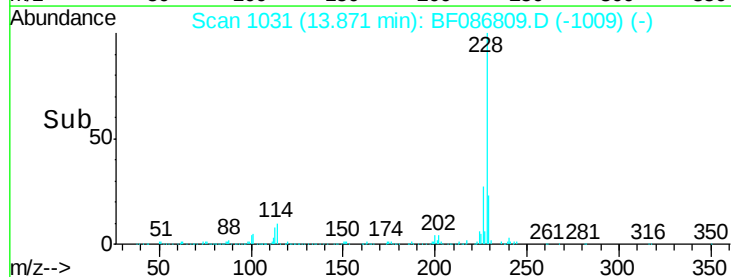
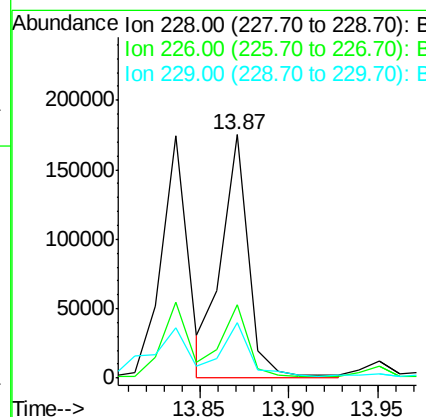
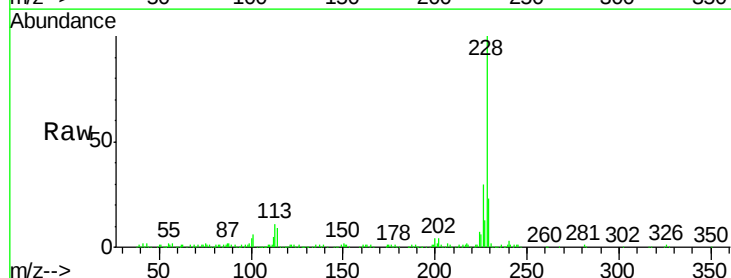
Manual Integrations
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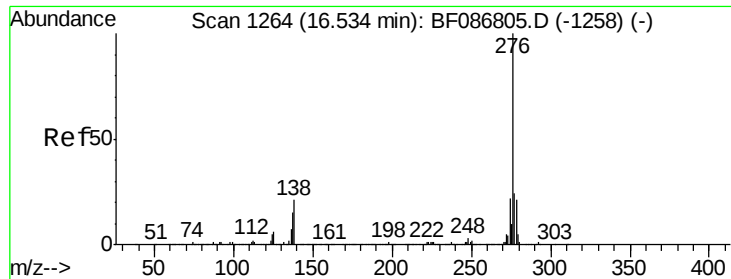
Sohil
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#82
Chrysene
Concen: 8.61 ng m
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	184476		
226	30.3	24.4	36.6	
229	22.7	15.8	23.8	





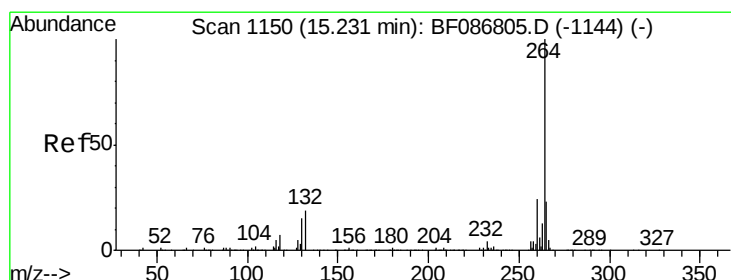
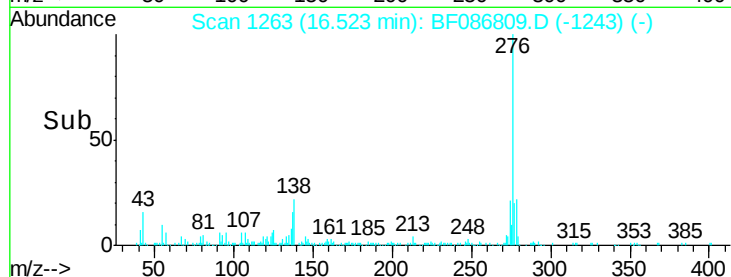
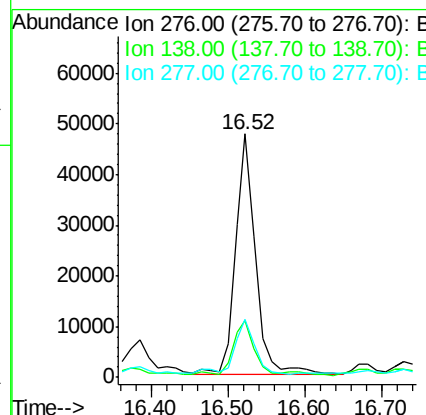
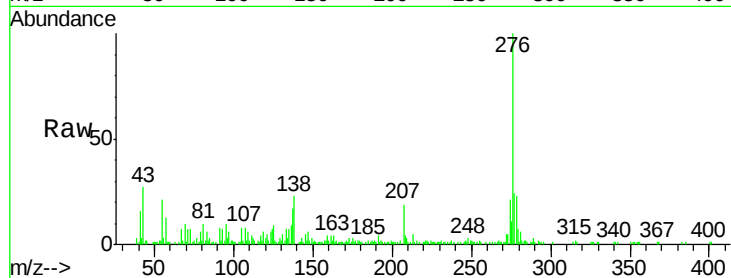
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.79 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.07 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Instrument :
 BNA_F
 ClientSampleId :
 SS6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.6	38.4#
277	23.6	20.5	30.7

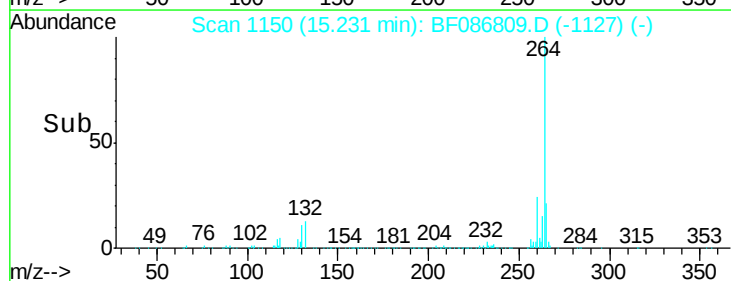
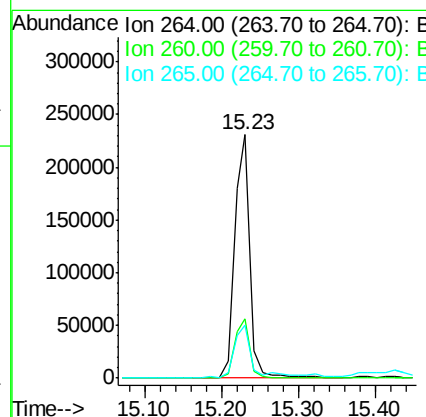
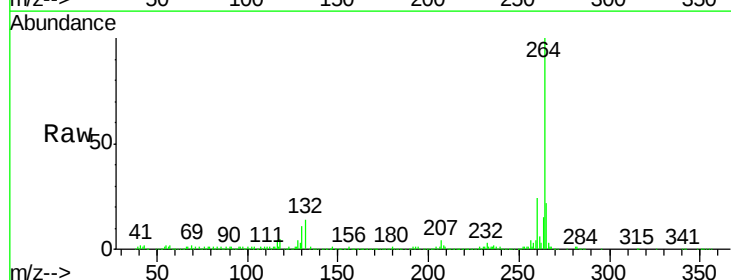
Manual Integrations
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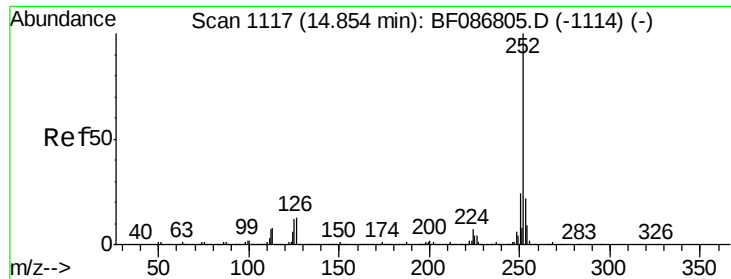
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: BF086809.D
 Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 11.30 ng m

RT: 14.84 min Scan# 1116

Delta R.T. -0.05 min

Lab File: BF086809.D

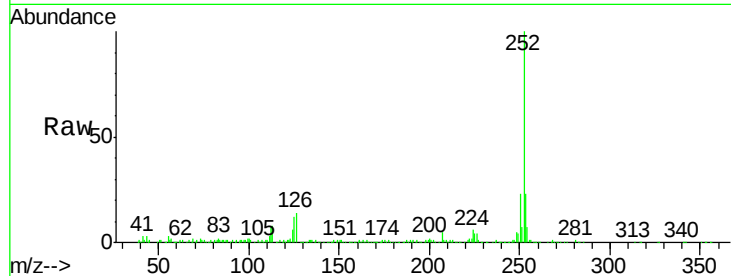
Acq: 8 May 2016 8:09

Instrument :

BNA_F

ClientSampled :

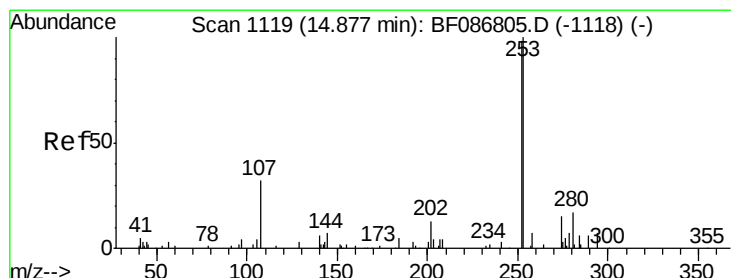
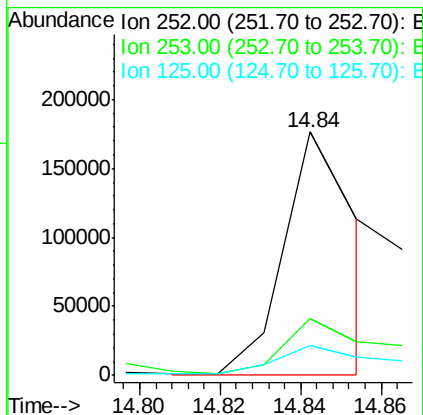
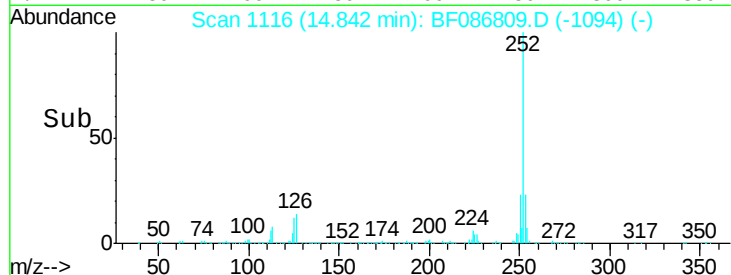
SS6



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	220371		
253	23.3	17.8	26.6	
125	12.3	11.4	17.0	

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.99 ng m

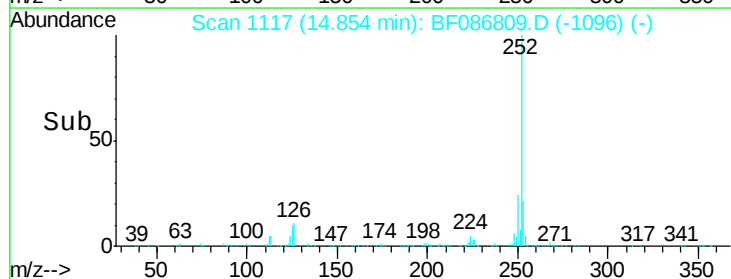
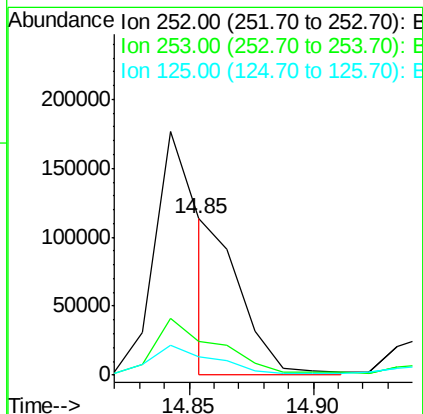
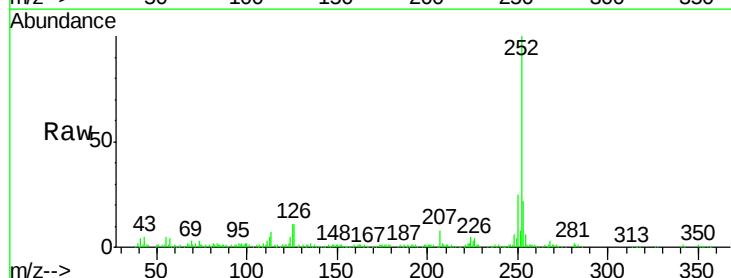
RT: 14.85 min Scan# 1117

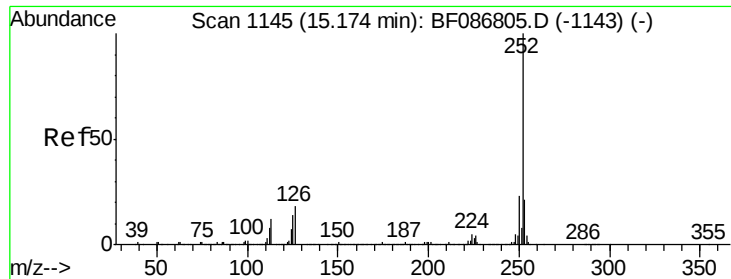
Delta R.T. -0.06 min

Lab File: BF086809.D

Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	91735		
253	21.8	17.8	26.6	
125	11.4	9.1	13.7	





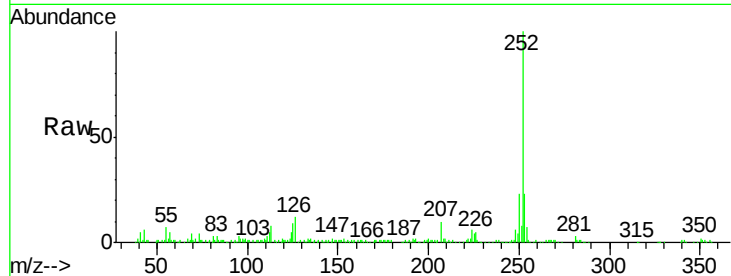
#89
Benzo(a)pyrene
Concen: 7.99 ng m
RT: 15.17 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Instrument :
BNA_F
ClientSampleId :
SS6

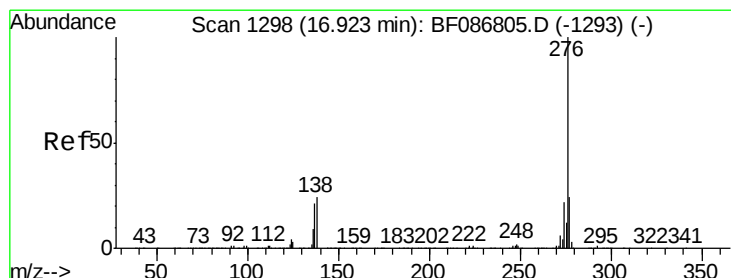
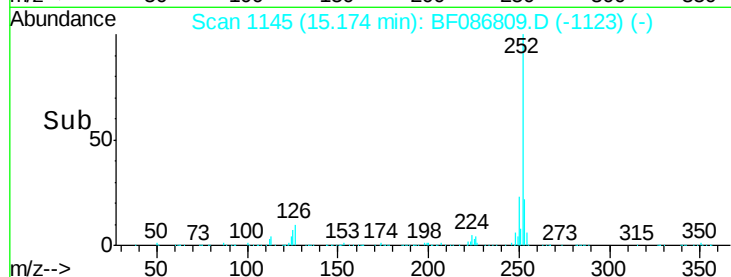
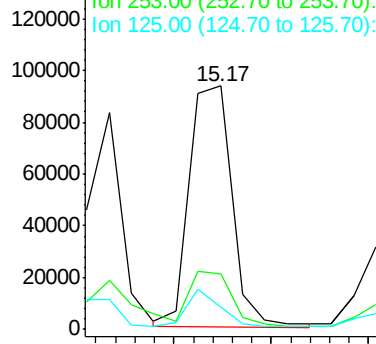
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.2	25.8
125	8.9	9.0	13.6

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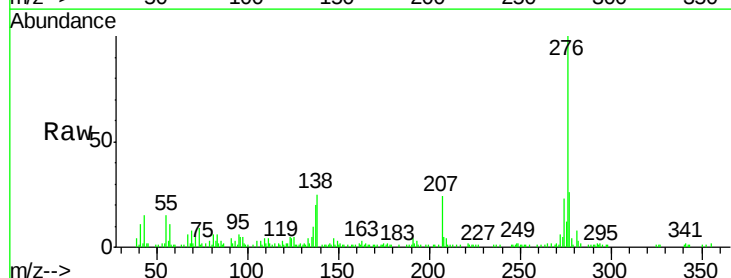


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.14 ng
RT: 16.91 min Scan# 1297
Delta R.T. -0.08 min
Lab File: BF086809.D
Acq: 8 May 2016 8:09

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.7	19.6	29.4
138	25.0	23.6	35.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

