

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
 Data File : BF086645.D
 Acq On : 3 May 2016 15:22
 Operator : UM/SJ
 Sample : H2685-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-2(0-6FTBGS)

Manual Integrations
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Quant Time: May 04 03:13:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	191204	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	769235	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	369058	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	568176	20.00	ng	-0.06
75) Chrysene-d12	13.91	240	380103	20.00	ng	-0.06
86) Perylene-d12	15.30	264	377826	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1156368	104.32	ng	-0.04
7) Phenol-d6	6.40	99	1661245	107.38	ng	-0.05
23) Nitrobenzene-d5	7.32	82	1177458	82.51	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	364429	93.64	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	1570355	71.90	ng	-0.06
78) Terphenyl-d14	12.85	244	1141624	66.17	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	369434	13.30	ng	99
70) Phenanthrene	11.29	178	106420	3.57	ng	99
74) Fluoranthene	12.48	202	223447	7.42	ng	94
77) Pyrene	12.71	202	208568	7.62	ng	98
80) Benzo(a)anthracene	13.89	228	86624	4.27	ng	97
82) Chrysene	13.93	228	92662m	4.21	ng	
85) Indeno(1,2,3-cd)pyrene	16.63	276	57647	3.53	ng	93
87) Benzo(b)fluoranthene	14.91	252	139243m	6.26	ng	
89) Benzo(a)pyrene	15.24	252	90099	4.29	ng	# 95
91) Benzo(g,h,i)perylene	17.01	276	54503	3.17	ng	98

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

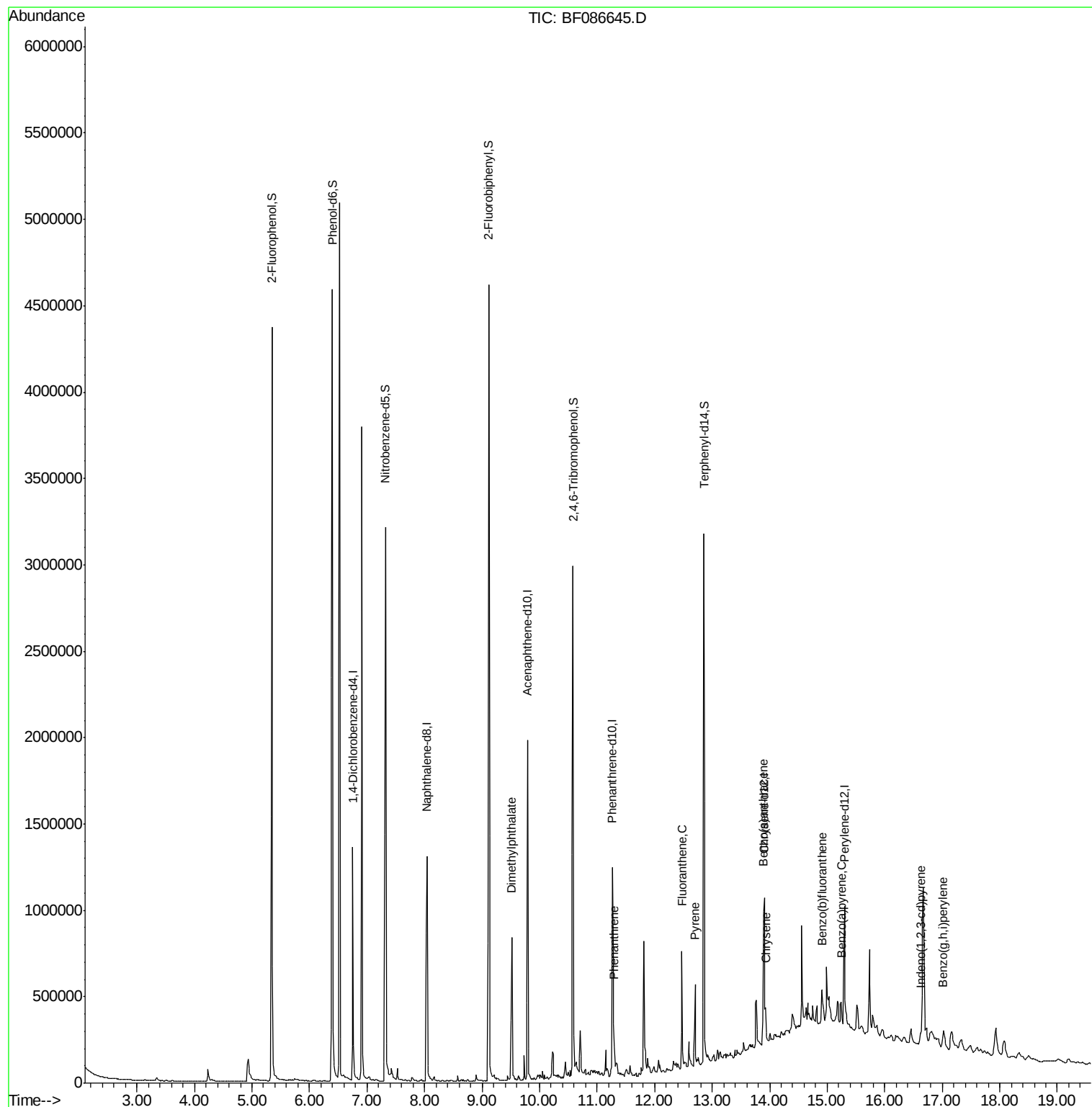
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
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Misc :
ALS Vial : 35 Sample Multiplier: 1

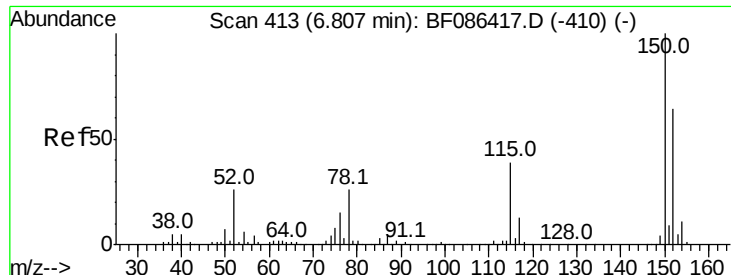
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-2(0-6FTBGS)

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Quant Time: May 04 03:13:23 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
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#1

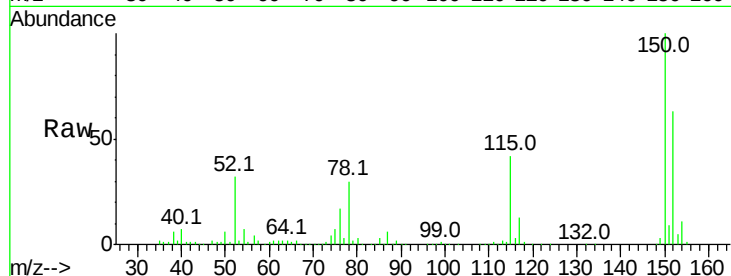
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF086645.D
Acq: 3 May 2016 15:22

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-2(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.8	188.6
115	66.8	51.5	77.3

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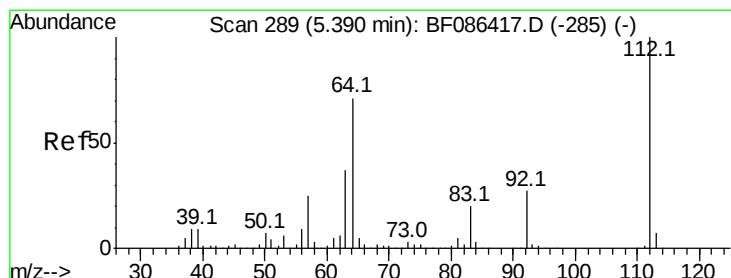
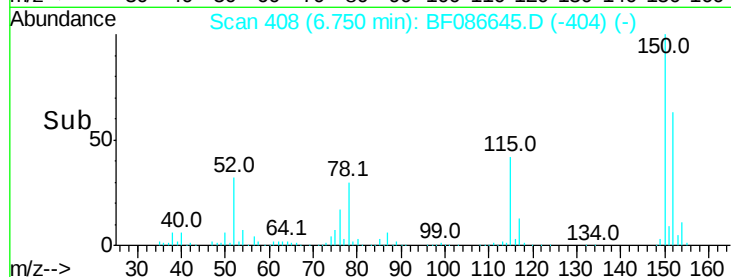
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

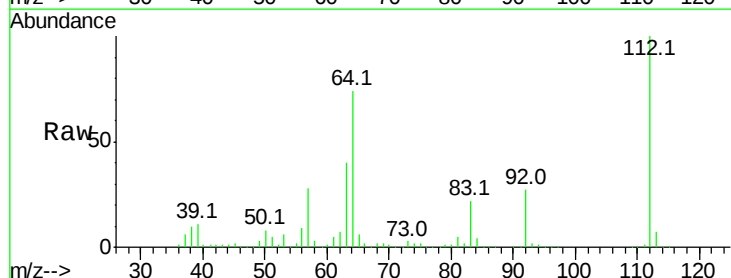
Time-->



#5

2-Fluorophenol
Concen: 104.32 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.04 min
Lab File: BF086645.D
Acq: 3 May 2016 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.5	52.1	78.1
63	40.4	25.7	38.5



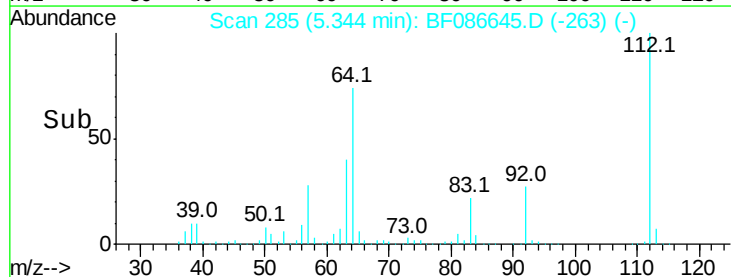
Abundance

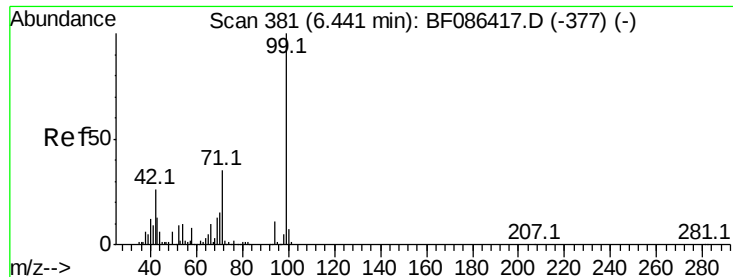
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 107.38 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-2(0-6FTBGS)

Tot Ion: 99 Resp: 1661245

Ion Ratio Lower Upper

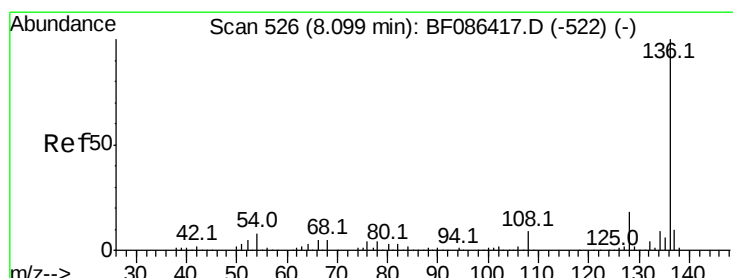
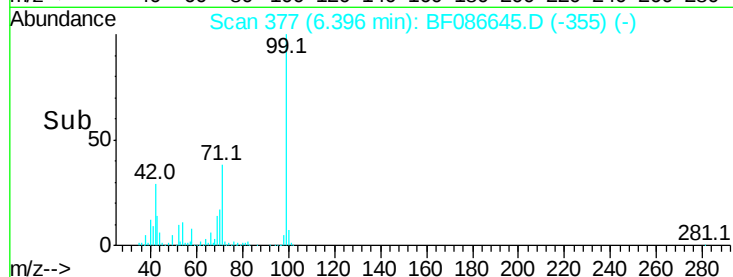
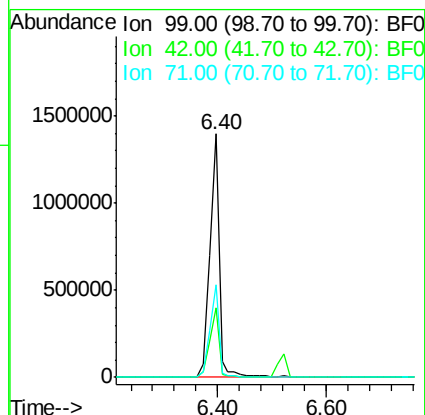
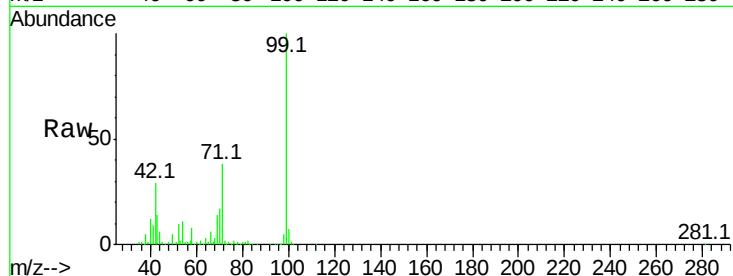
99 100

42 28.8 13.6 20.4#

71 38.1 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Tgt Ion: 136 Resp: 769235

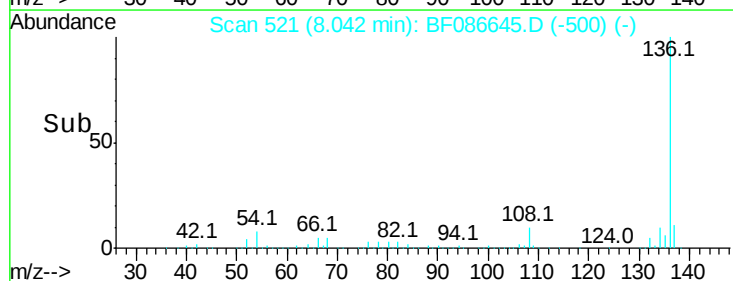
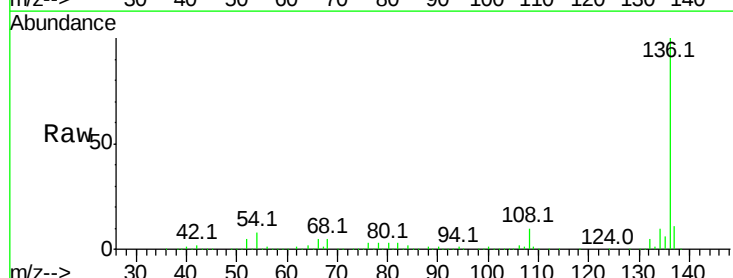
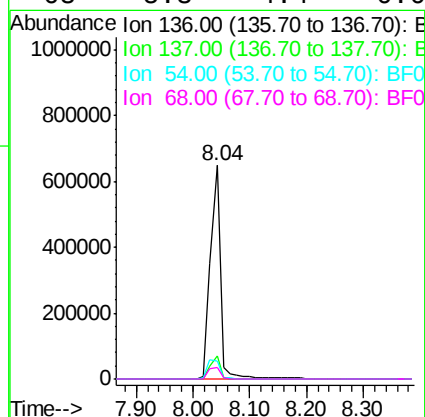
Ion Ratio Lower Upper

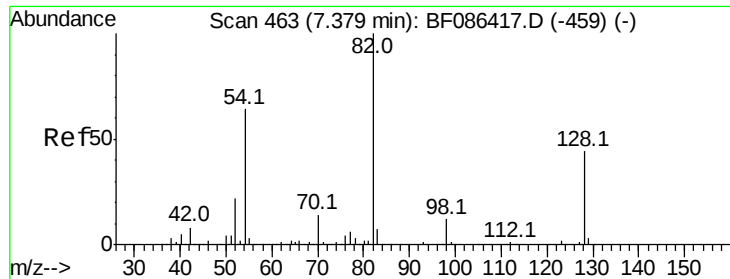
136 100

137 10.7 8.8 13.2

54 8.4 5.0 7.4#

68 5.3 4.4 6.6





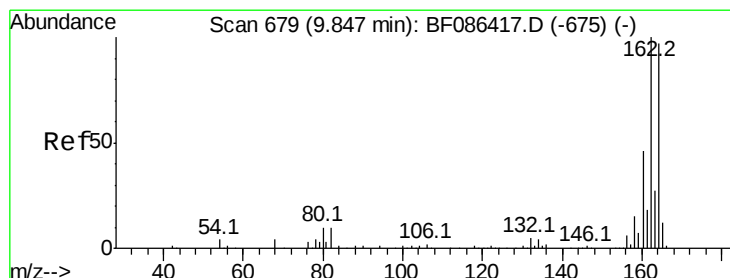
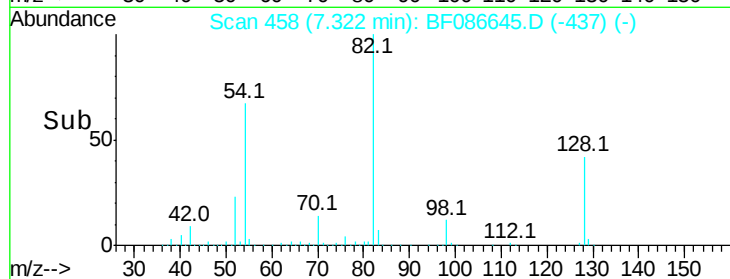
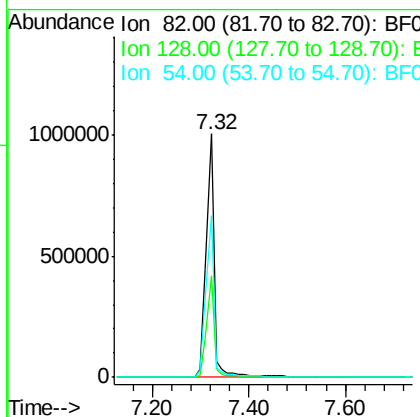
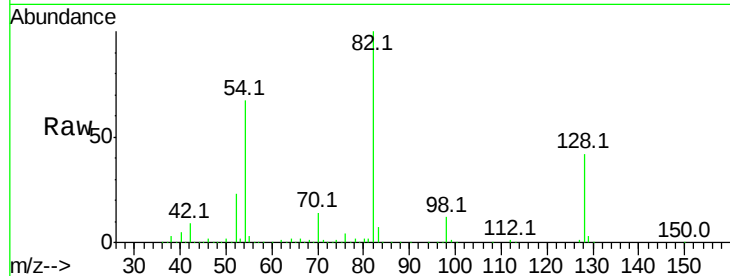
#23
 Nitrobenzene-d5
 Concen: 82.51 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.06 min
 Lab File: BF086645.D
 Acq: 3 May 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-2(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	40.6	61.0
54	66.7	38.1	57.1#

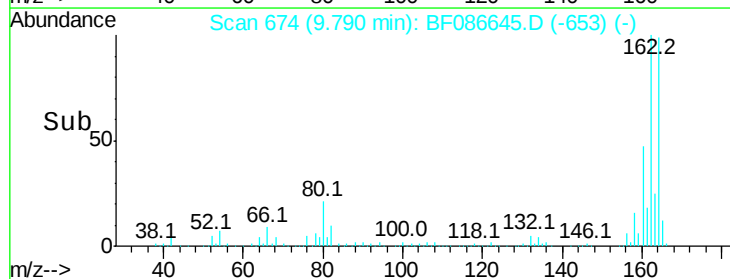
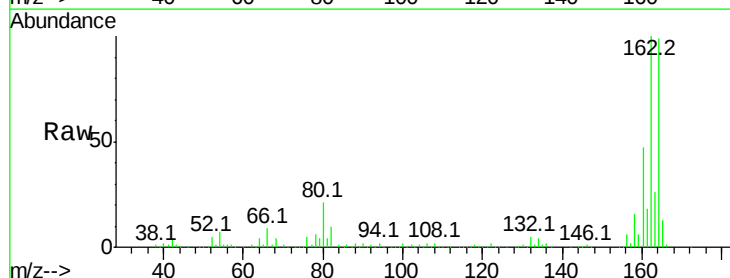
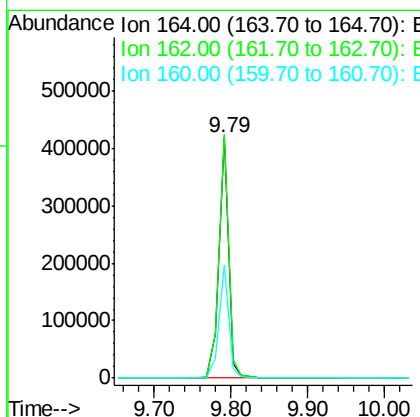
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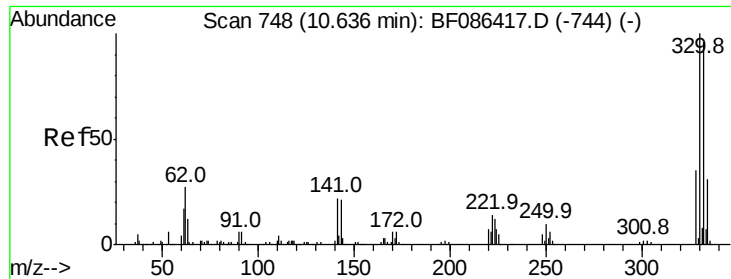
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: BF086645.D
 Acq: 3 May 2016 15:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.8	124.2
160	47.1	36.9	55.3





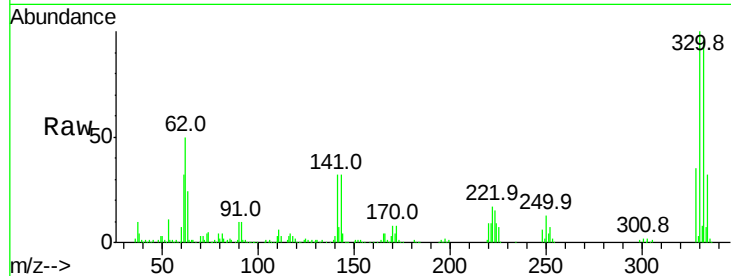
#41
 2,4,6-Tribromophenol
 Concen: 93.64 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086645.D
 Acq: 3 May 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-2(0-6FTBGS)

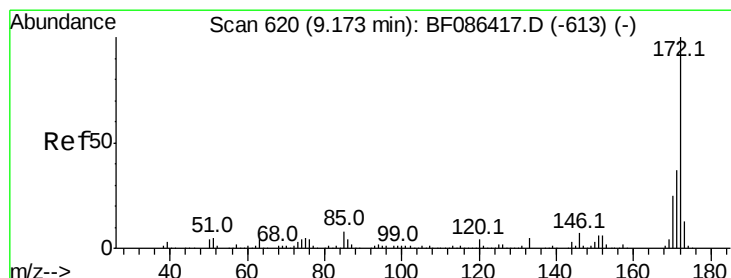
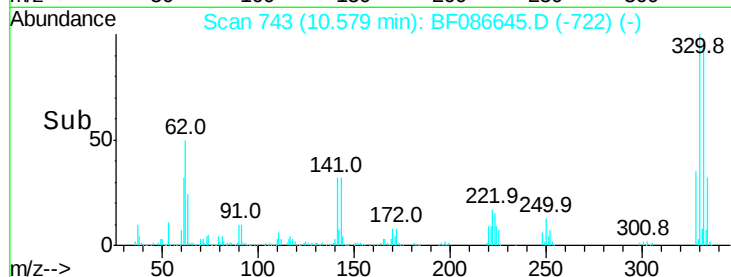
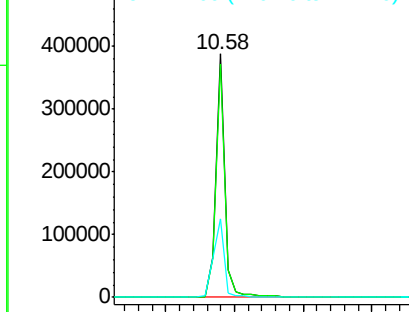
Tot Ion	Ratio	Resp	Lower	Upper
330	100	364429		
332	96.5	79.0	118.4	
141	38.9	31.2	46.8	

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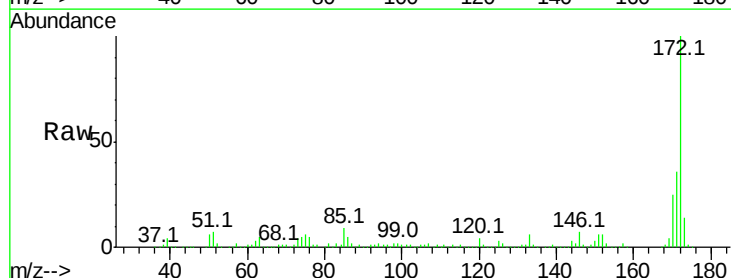


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

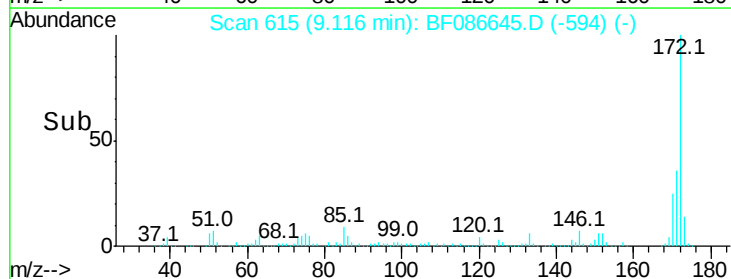
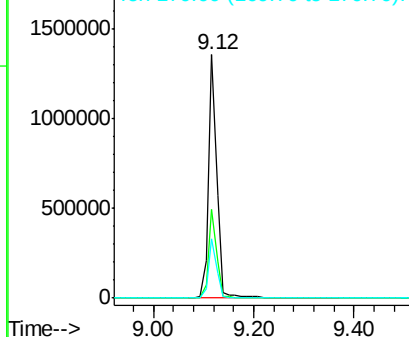


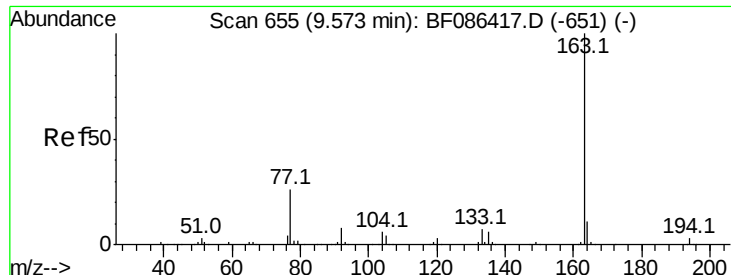
#44
 2-Fluorobiphenyl
 Concen: 71.90 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086645.D
 Acq: 3 May 2016 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1570355		
171	36.5	29.0	43.6	
170	24.6	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





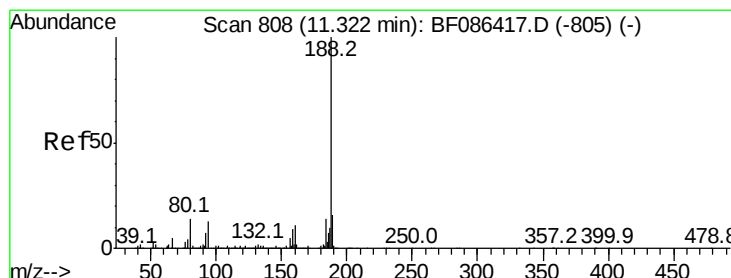
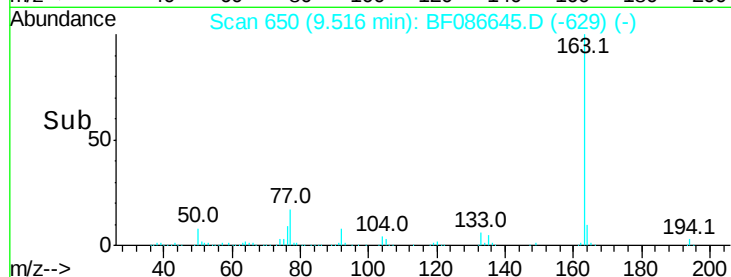
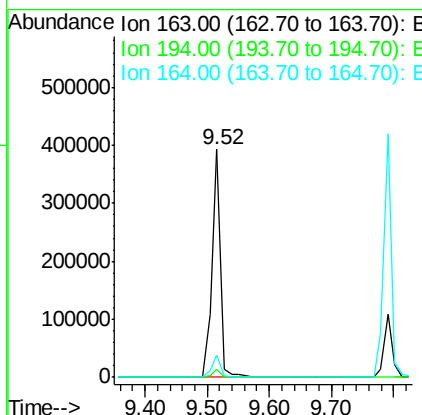
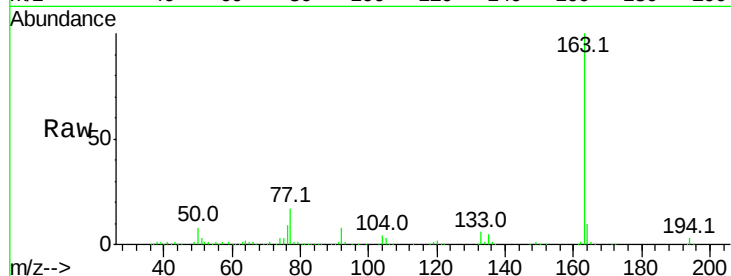
#49
Dimethylphthalate
Concen: 13.30 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.06 min
Lab File: BF086645.D
Acq: 3 May 2016 15:22

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-2(0-6FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	369434		
194	3.5	2.6	4.0	
164	9.7	8.2	12.4	

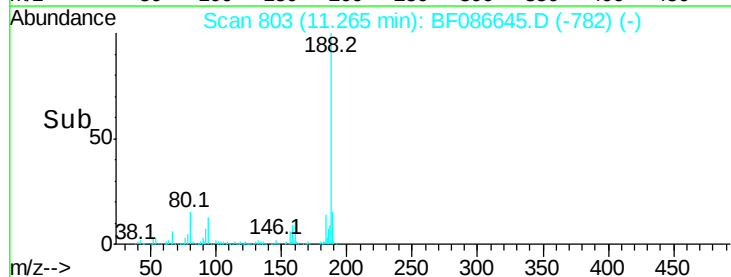
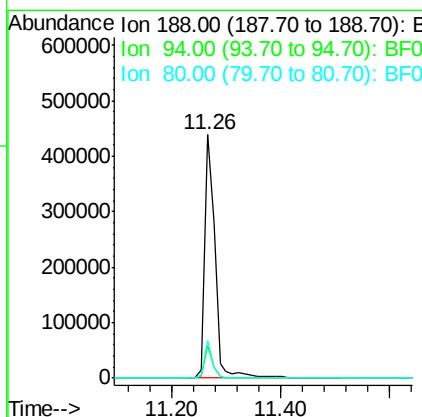
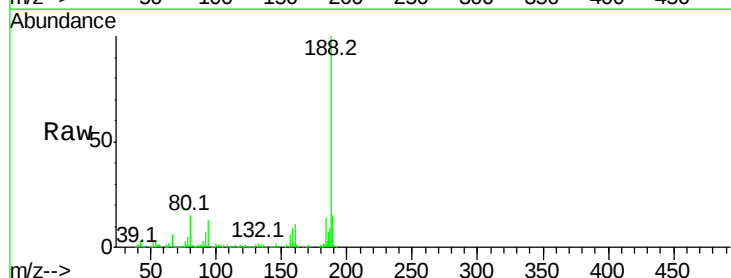
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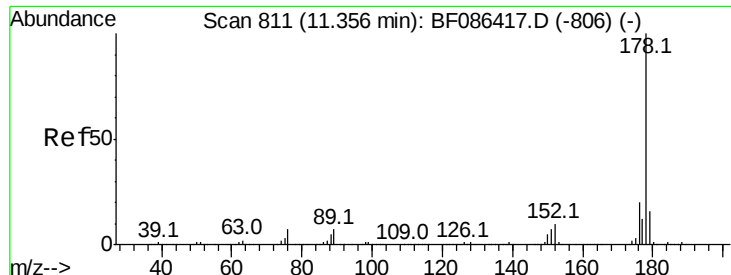
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF086645.D
Acq: 3 May 2016 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	568176		
94	13.3	6.8	10.2#	
80	15.3	7.1	10.7#	





#70

Phenanthrene

Concen: 3.57 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.07 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Instrument :

BNA_F

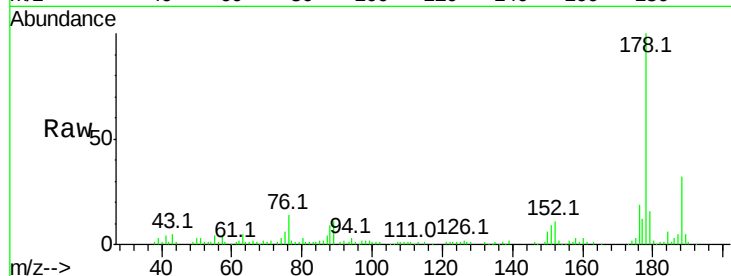
ClientSampleId :

26WARD-2A-CS-2(0-6FTBGS)

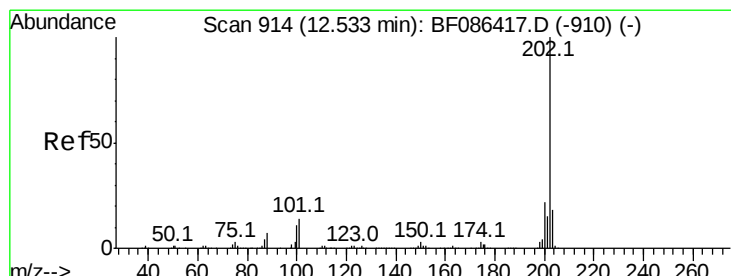
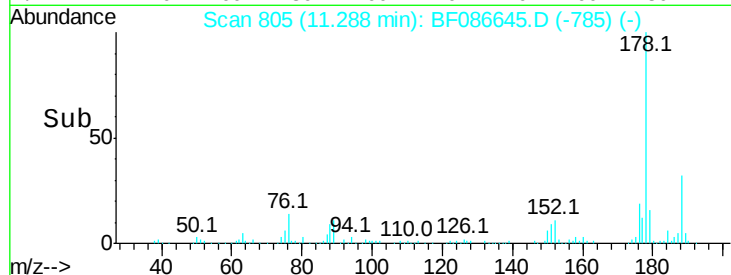
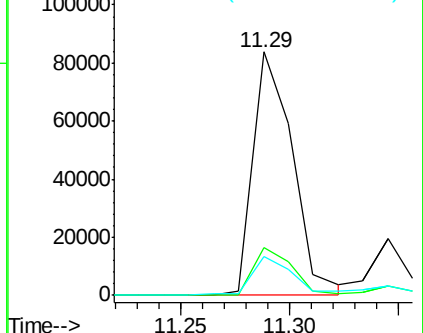
Tot Ion:178	Resp:	106420
Ion Ratio	Lower	Upper
178	100	
176	19.4	16.0 24.0
179	16.1	12.6 18.8

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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



#74

Fluoranthene

Concen: 7.42 ng

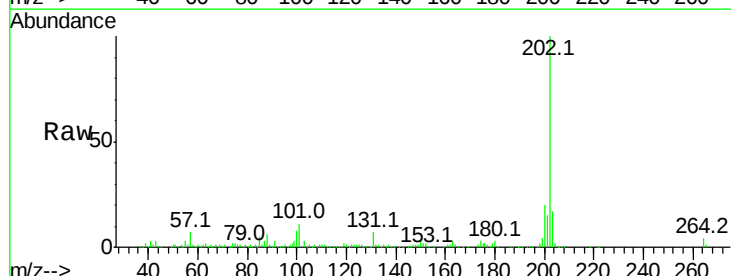
RT: 12.48 min Scan# 909

Delta R.T. -0.06 min

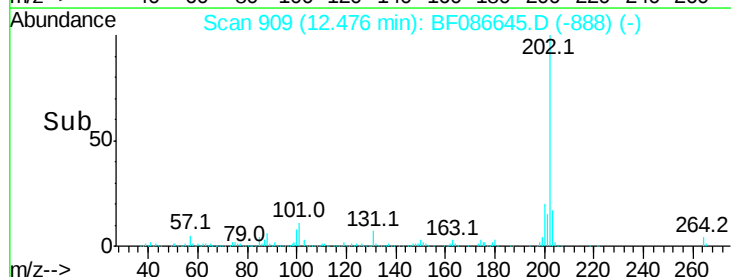
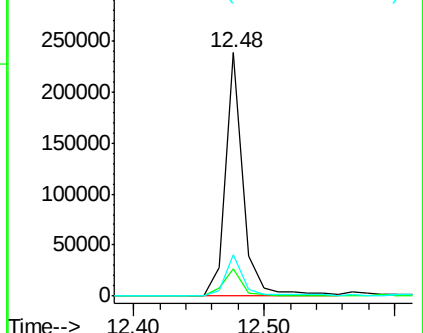
Lab File: BF086645.D

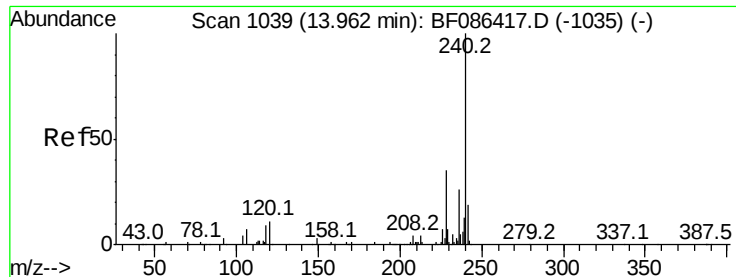
Acq: 3 May 2016 15:22

Tgt Ion:202	Resp:	223447
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 35.4
203	16.8	0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Instrument :

BNA_F

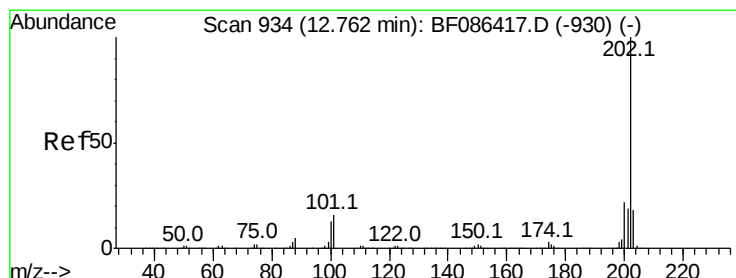
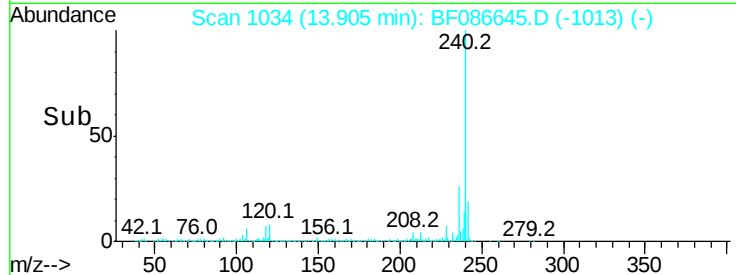
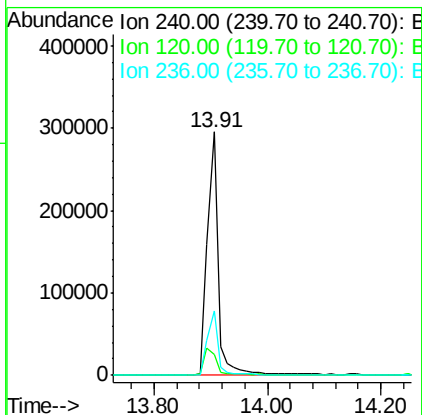
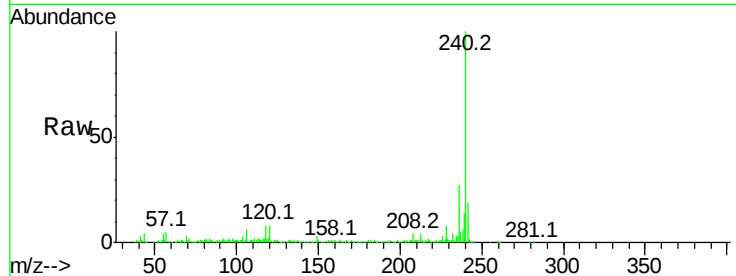
ClientSampleId :

26WARD-2A-CS-2(0-6FTBGS)

Tot Ion:	240	Resp:	380103
Ion Ratio		Lower	Upper
240	100		
120	8.4	11.2	16.8#
236	26.6	21.2	31.8

Manual Integrations
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#77

Pyrene

Concen: 7.62 ng

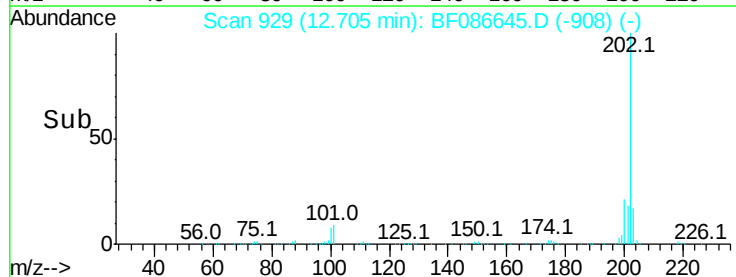
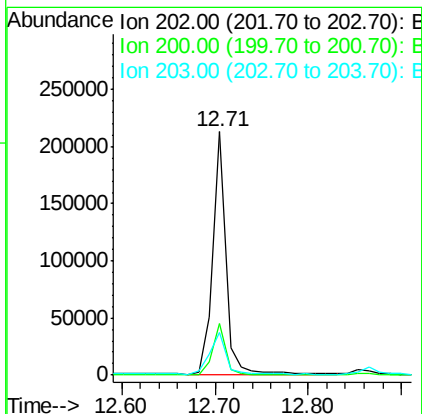
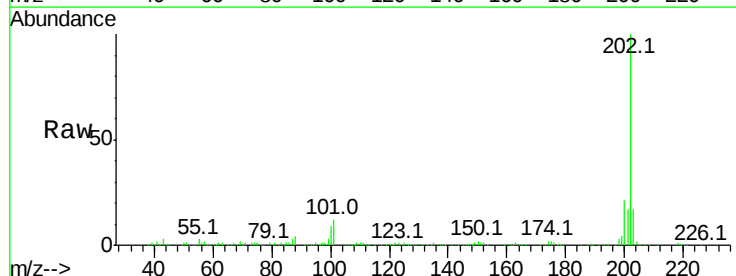
RT: 12.71 min Scan# 929

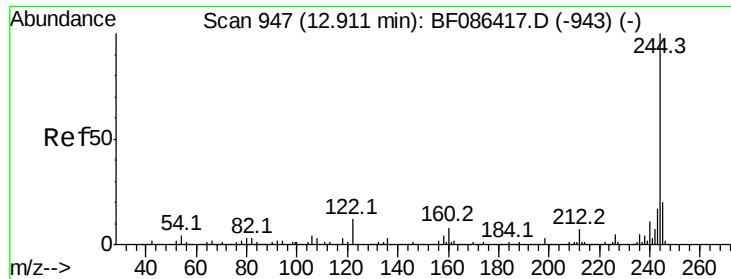
Delta R.T. -0.06 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Tgt Ion:	202	Resp:	208568
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.5	14.2	21.4





#78

Terphenyl-d14

Concen: 66.17 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-2(0-6FTBGS)

Tot Ion:244 Resp: 1141624

Ion Ratio Lower Upper

244 100

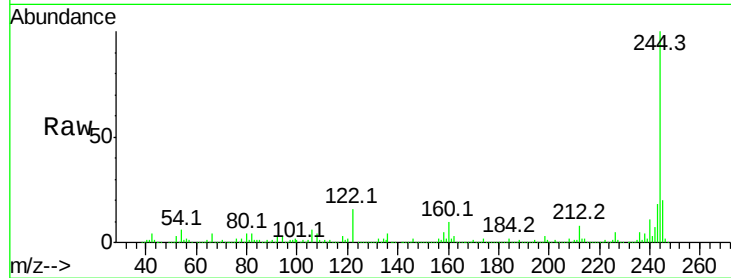
212 8.3 6.2 9.2

122 16.0 12.0 18.0

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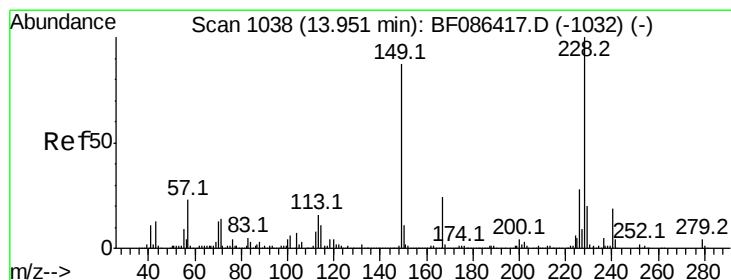
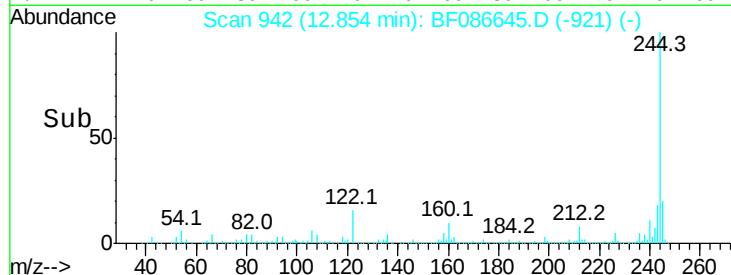
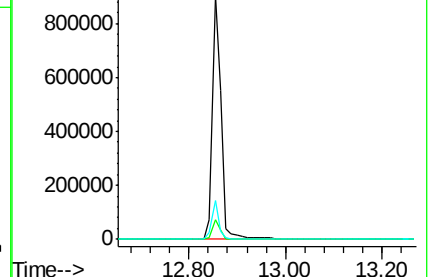
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.27 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

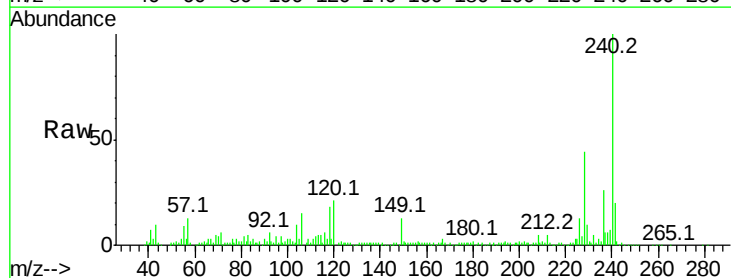
Tgt Ion:228 Resp: 86624

Ion Ratio Lower Upper

228 100

226 29.8 22.5 33.7

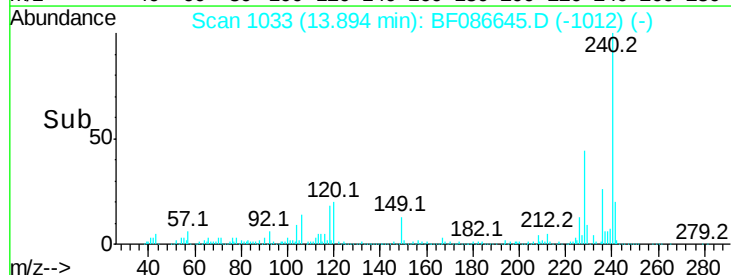
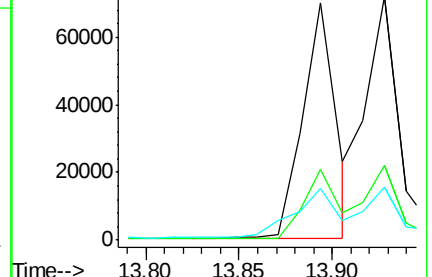
229 21.7 16.6 25.0

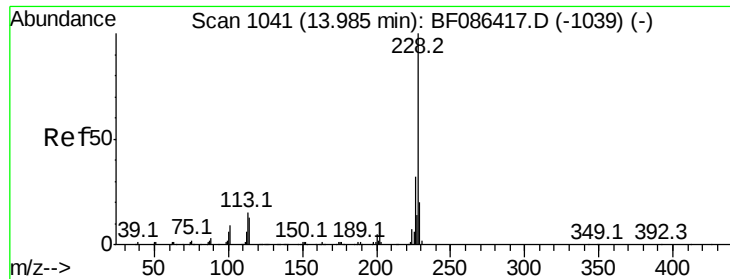


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.21 ng/mL

RT: 13.93 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Instrument:

BNA_F

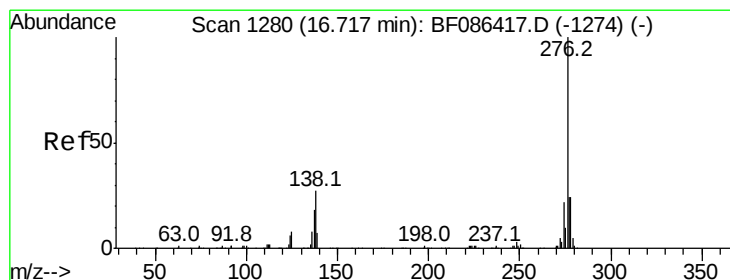
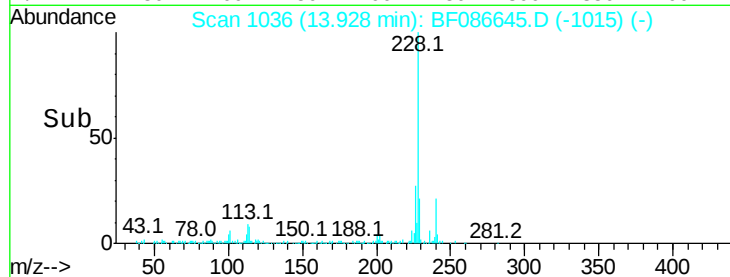
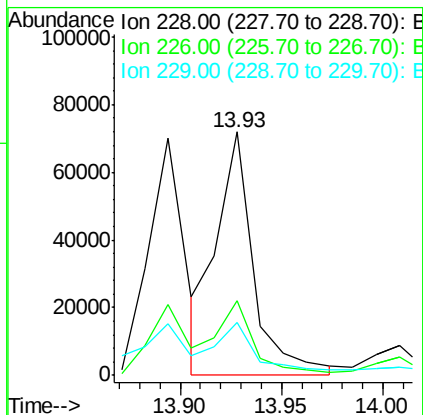
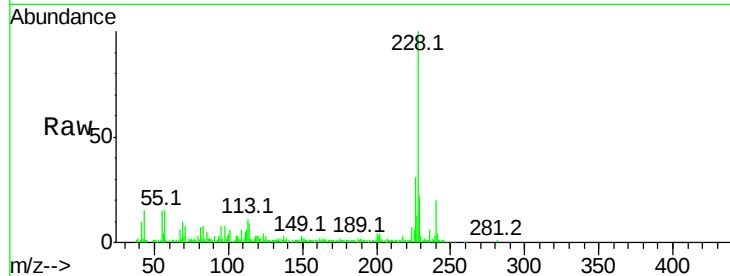
ClientSampleId:

26WARD-2A-CS-2(0-6FTBGS)

Tot Ion:	228	Resp:	92662
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	21.9	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.53 ng/mL

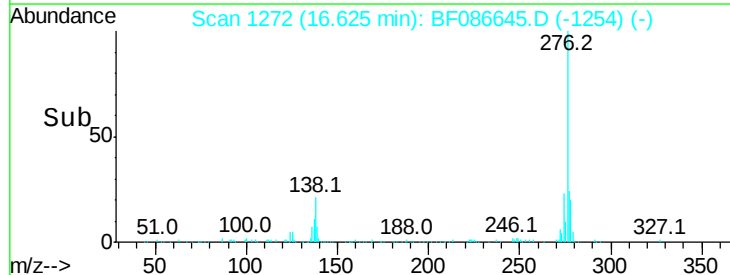
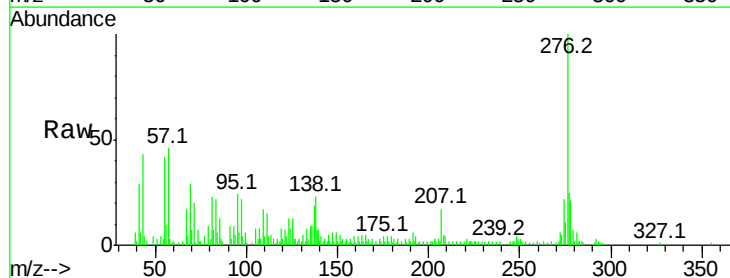
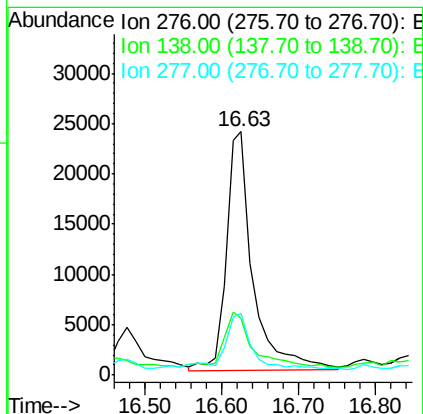
RT: 16.63 min Scan# 1272

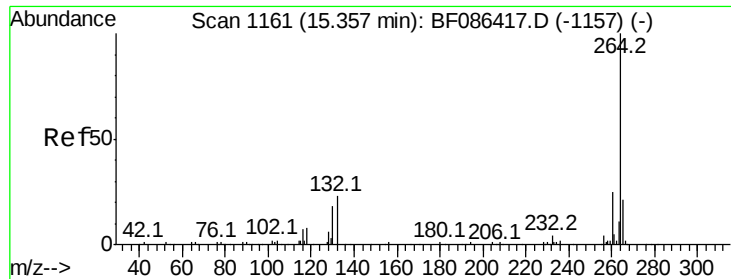
Delta R.T. -0.09 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Tgt Ion:	276	Resp:	57647
Ion Ratio	Lower	Upper	
276	100		
138	27.0	25.6	38.4
277	27.9	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.06 min

Lab File: BF086645.D

Acq: 3 May 2016 15:22

Instrument :

BNA_F

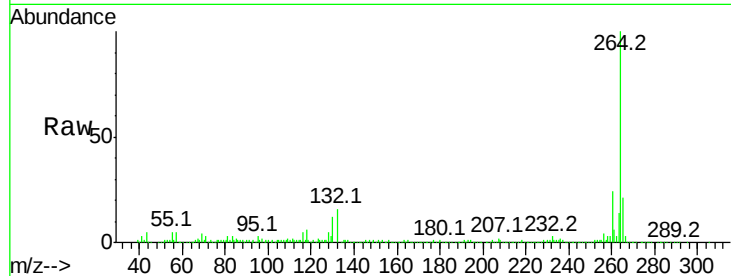
ClientSampleId :

26WARD-2A-CS-2(0-6FTBGS)

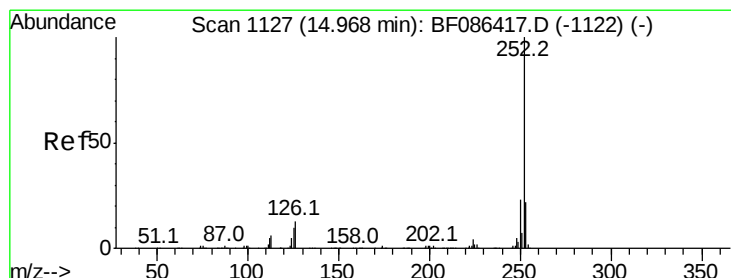
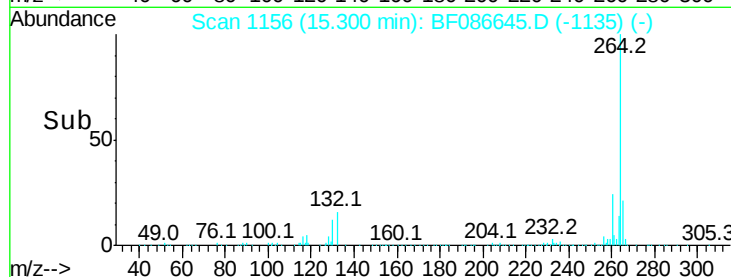
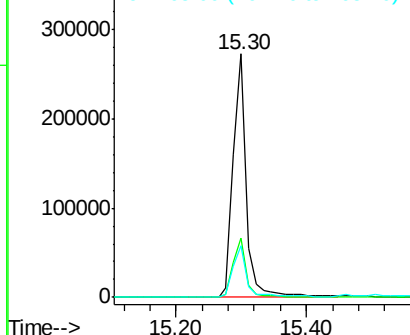
Tot Ion:	264	Resp:	377826
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	21.4	17.3	25.9

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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: 6.26 ng m

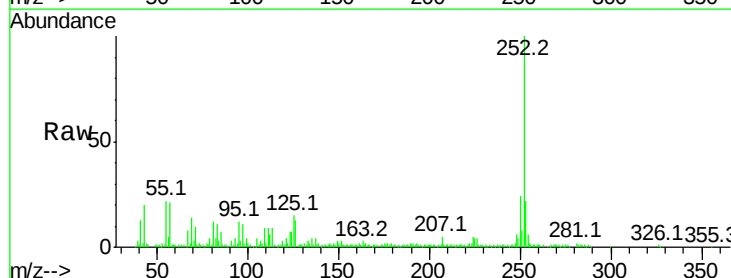
RT: 14.91 min Scan# 1122

Delta R.T. -0.06 min

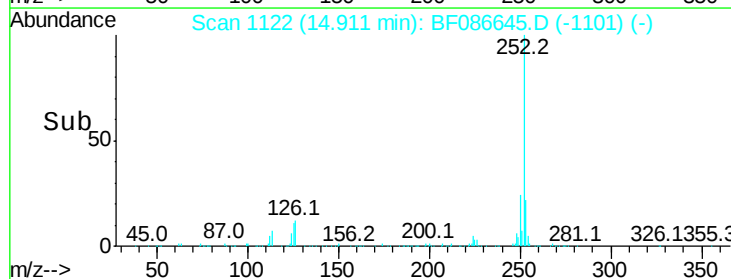
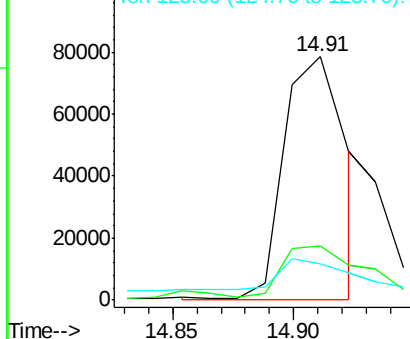
Lab File: BF086645.D

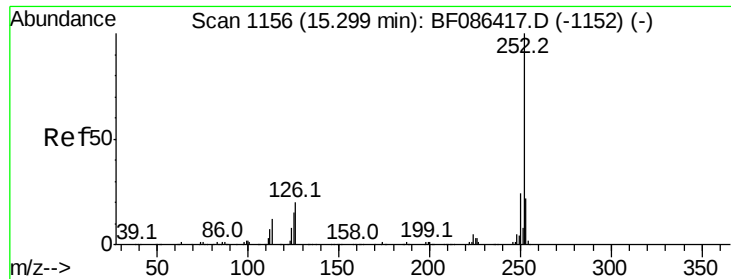
Acq: 3 May 2016 15:22

Tgt Ion:	252	Resp:	139243
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	15.0	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





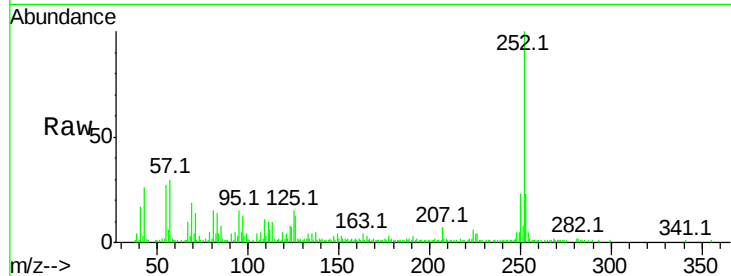
#89
Benzo(a)pyrene
Concen: 4.29 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF086645.D
Acq: 3 May 2016 15:22

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-2(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	14.8	9.0	13.6

Manual Integrations
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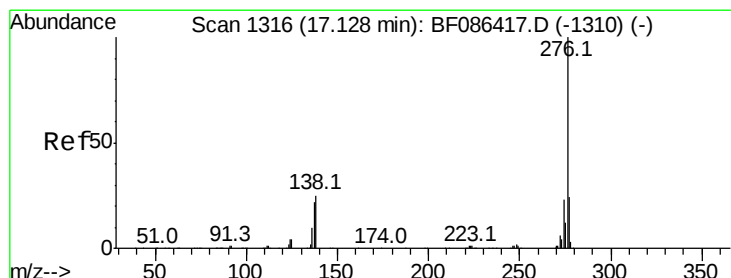
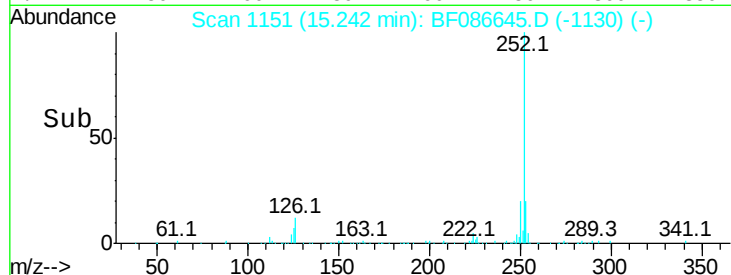
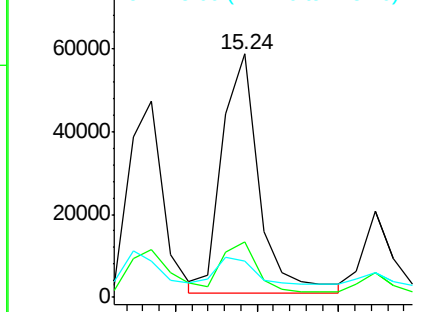


Abundance

Ion 252.00 (251.70 to 252.70): E

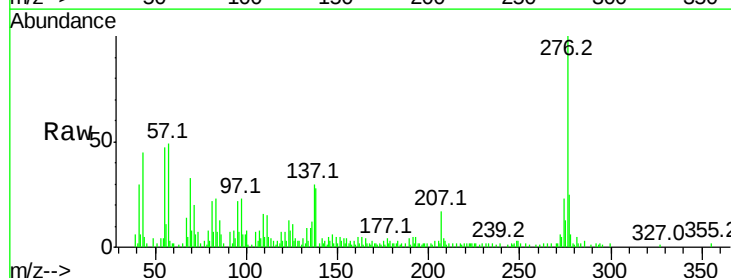
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.17 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.11 min
Lab File: BF086645.D
Acq: 3 May 2016 15:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	28.0	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

