

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088629.D
 Acq On : 2 Jul 2016 21:02
 Operator : UM/SJ
 Sample : H3847-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Quant Time: Jul 03 04:29:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111000	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	436310	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	172177	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	244653	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	221029	20.00	ng	-0.02
86) Perylene-d12	15.34	264	182615	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	478295	64.58	ng	-0.02
7) Phenol-d6	6.42	99	614915	64.25	ng	-0.02
23) Nitrobenzene-d5	7.36	82	463331	55.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	110845	69.33	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	638617	58.59	ng	-0.02
78) Terphenyl-d14	12.89	244	422142	42.54	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	131040	10.68	ng	98
70) Phenanthrene	11.32	178	31037	2.32	ng	99
74) Fluoranthene	12.51	202	84322	6.22	ng	97
77) Pyrene	12.74	202	80261	4.28	ng	98
80) Benzo(a)anthracene	13.92	228	68354	4.80	ng	93
82) Chrysene	13.95	228	48426m	3.44	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	24576	2.27	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	72351m	6.32	ng	
88) Benzo(k)fluoranthene	14.95	252	29808m	2.99	ng	
89) Benzo(a)pyrene	15.27	252	41969	4.33	ng	# 90
91) Benzo(g,h,i)perylene	17.07	276	37170	4.43	ng	93

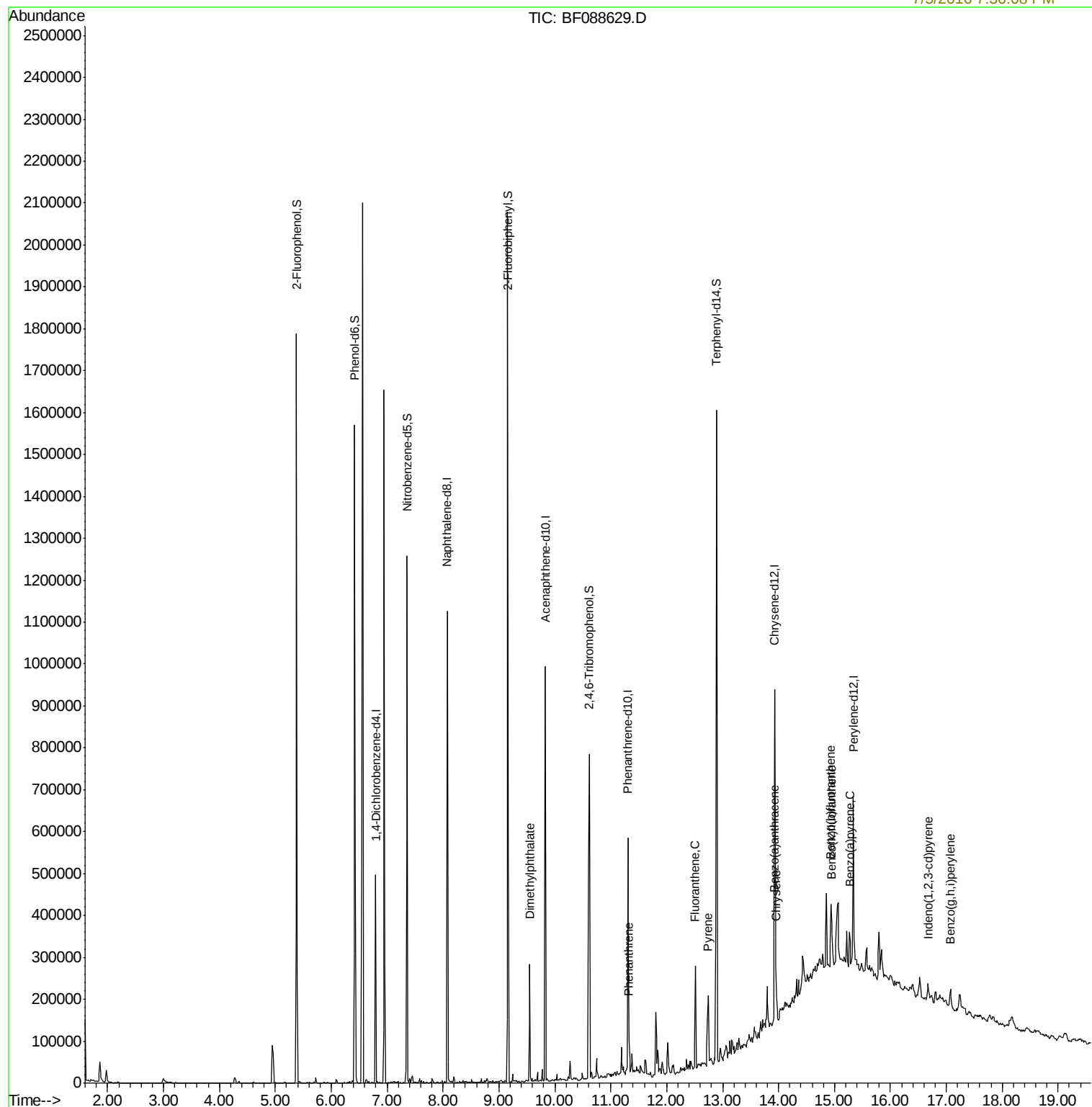
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

Tgt Ion:152 Resp: 111000

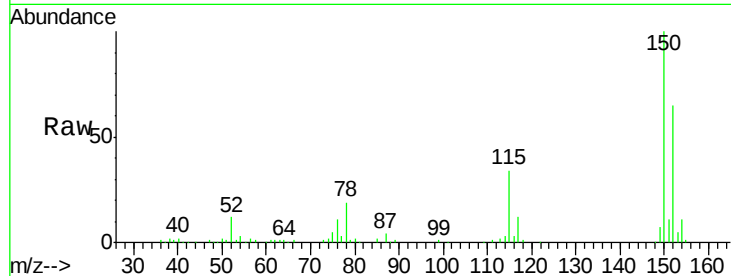
Ion Ratio Lower Upper

152 100

150 154.0 123.8 185.6

115 52.4 39.6 59.4

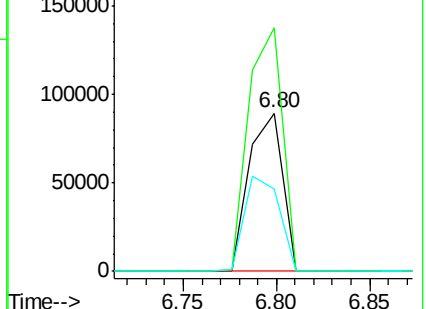
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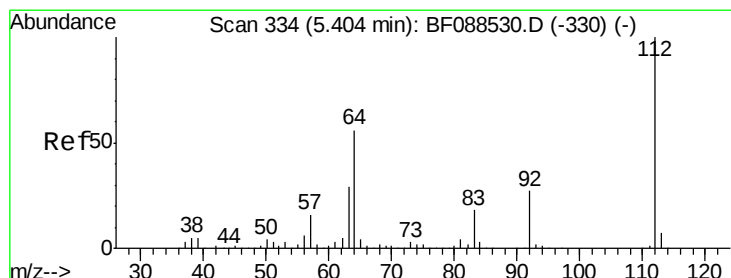
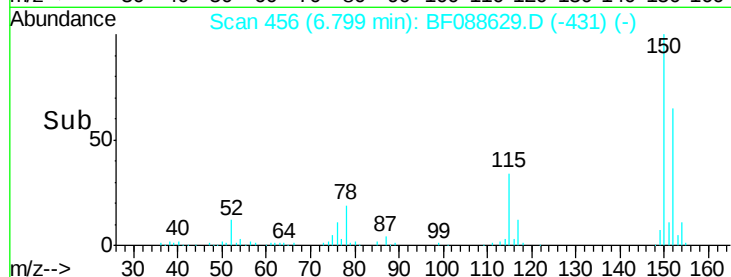
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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#5

2-Fluorophenol

Concen: 64.58 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

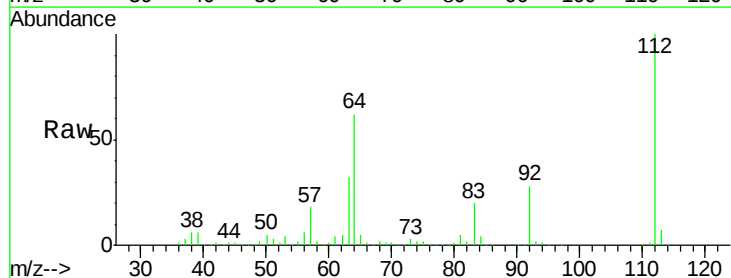
Tgt Ion:112 Resp: 478295

Ion Ratio Lower Upper

112 100

64 61.6 42.2 63.2

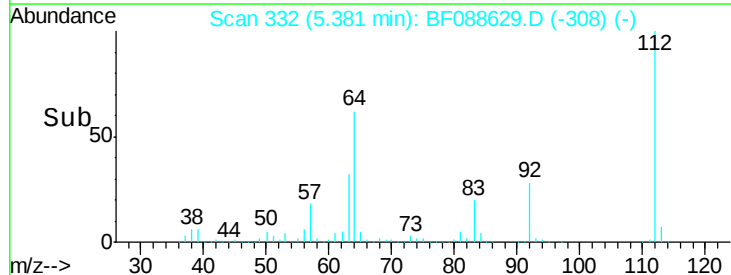
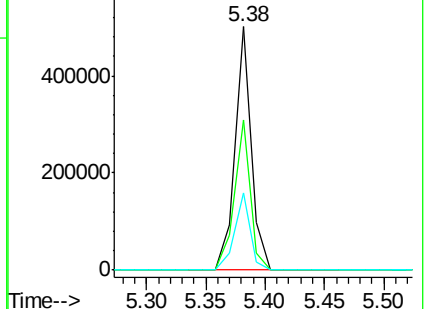
63 31.9 21.8 32.8



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





#7

Phenol-d6

Concen: 64.25 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

Tgt Ion: 99 Resp: 614915

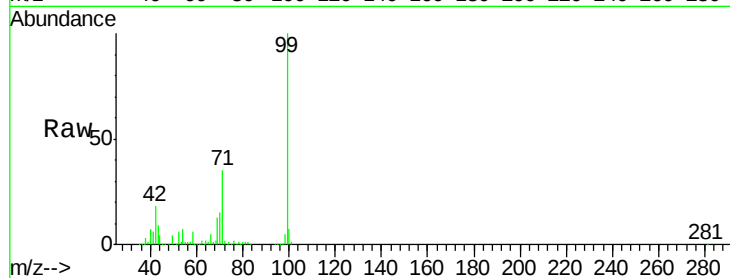
Ion Ratio Lower Upper

99 100

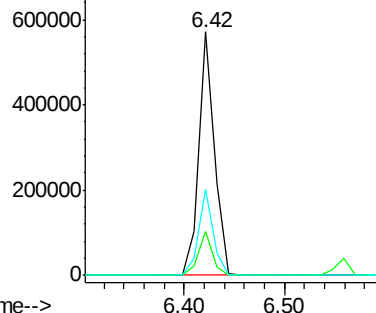
42 18.0 12.2 18.2

71 35.4 23.4 35.0#

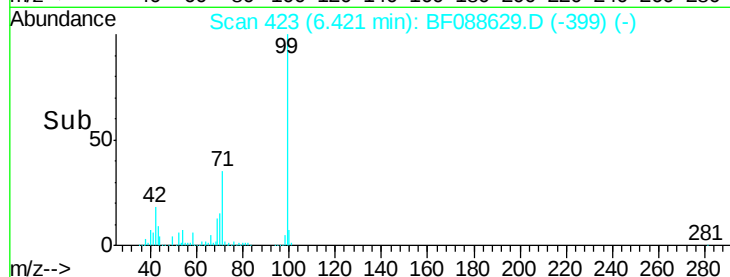
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Tgt Ion: 136 Resp: 436310

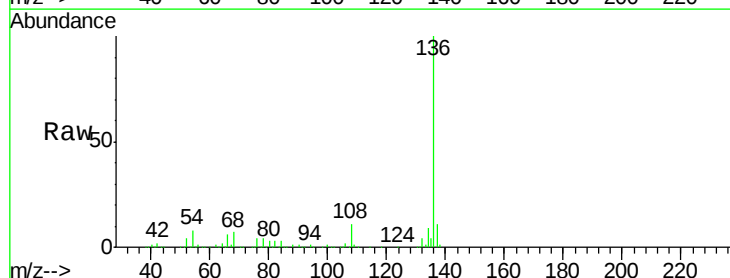
Ion Ratio Lower Upper

136 100

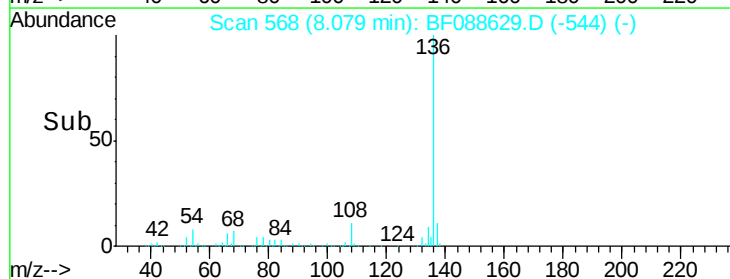
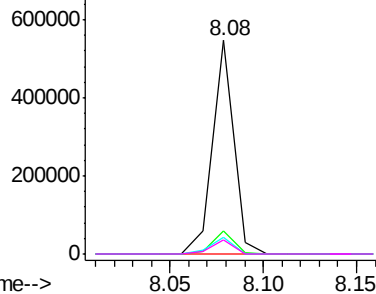
137 11.1 9.1 13.7

54 8.0 6.6 10.0

68 6.9 5.1 7.7



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



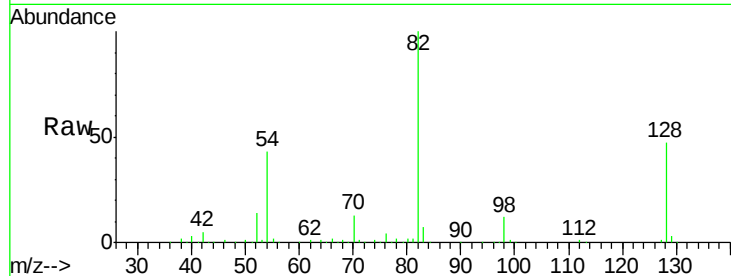


#23
 Nitrobenzene-d5
 Concen: 55.65 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

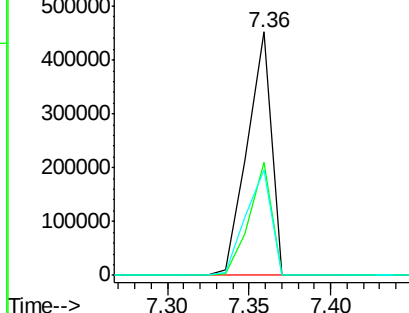
Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.9	53.9
54	43.3	40.9	61.3

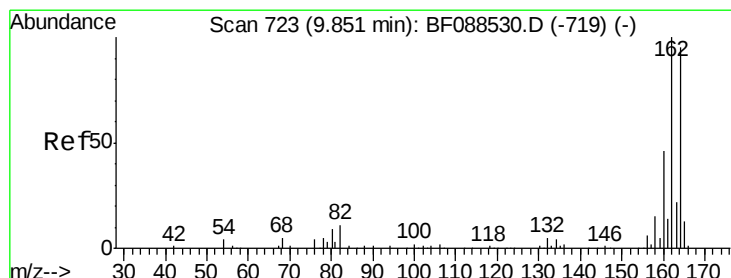
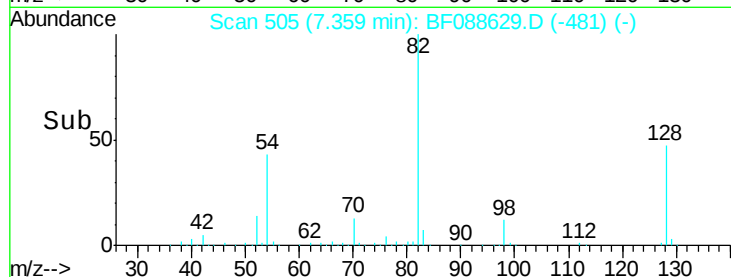
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Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

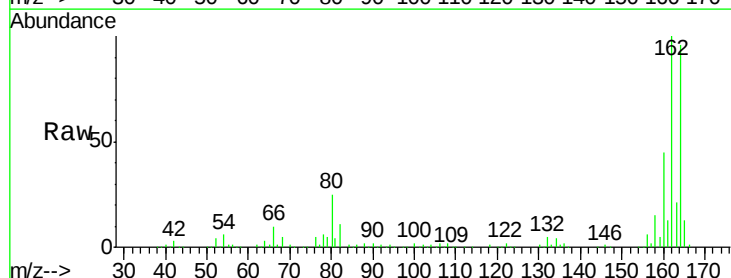


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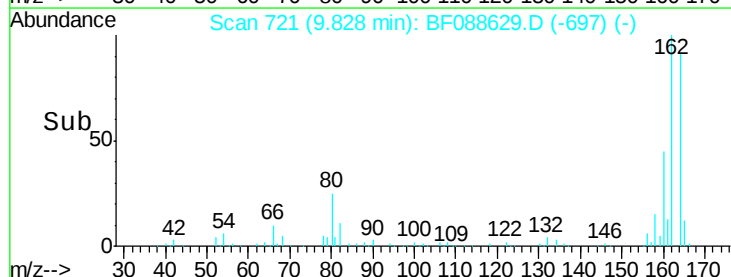
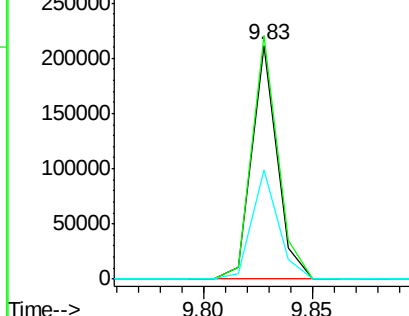


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.4	128.2
160	46.4	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





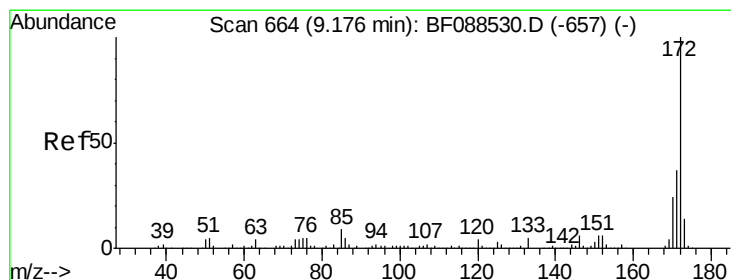
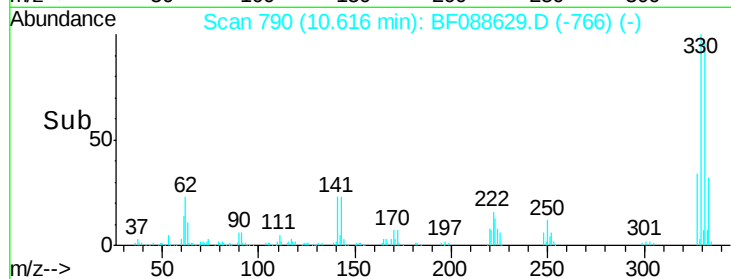
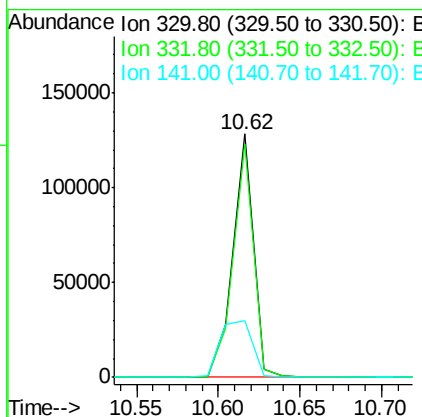
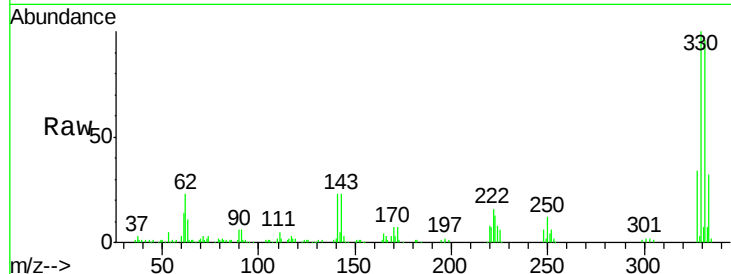
#41
 2,4,6-Tribromophenol
 Concen: 69.33 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	110845		
332	95.3	0.0	0.0	0.0
141	37.1	0.0	0.0	0.0

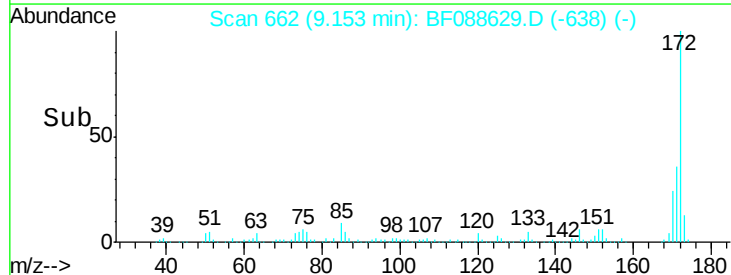
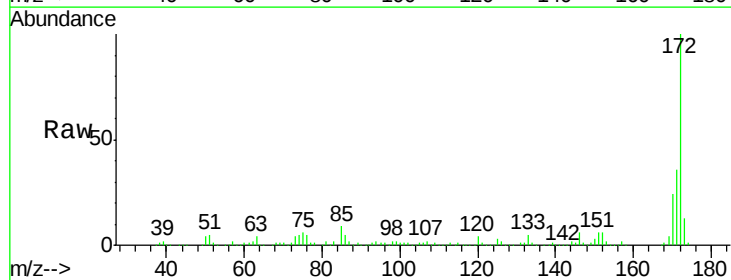
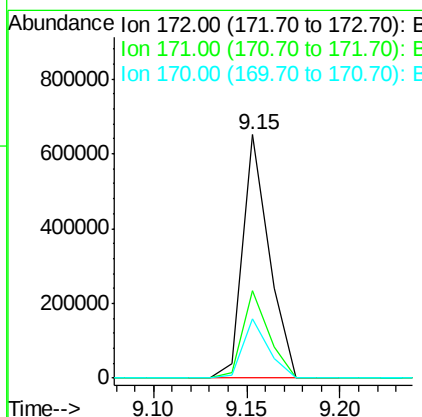
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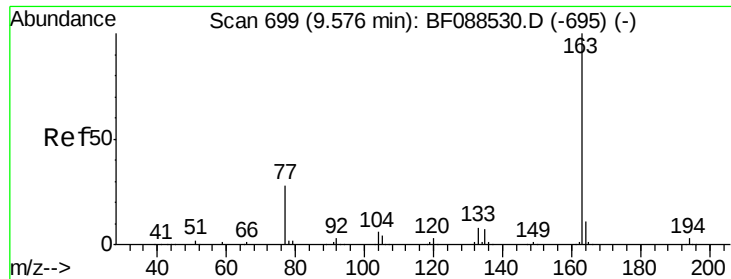
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#44
 2-Fluorobiphenyl
 Concen: 58.59 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	638617		
171	36.0	28.6	43.0	
170	24.2	19.2	28.8	





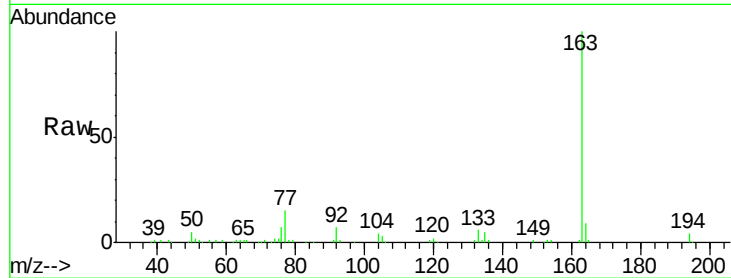
#49
Dimethylphthalate
Concen: 10.68 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

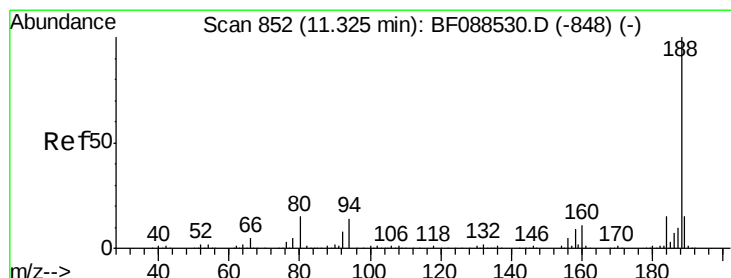
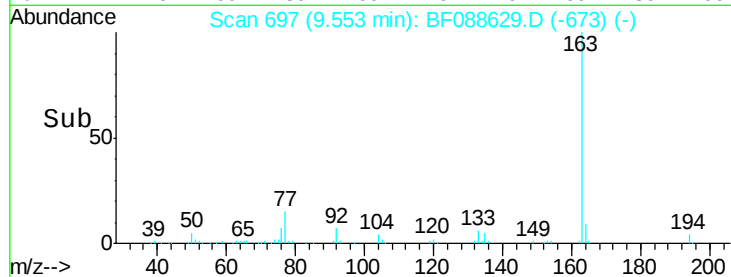
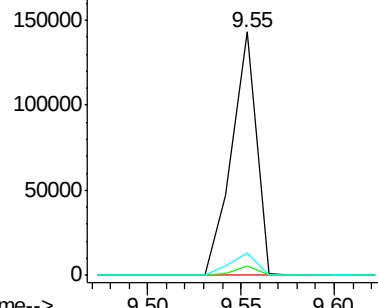
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	131040		
194	3.7	2.8	4.2	
164	9.4	8.3	12.5	

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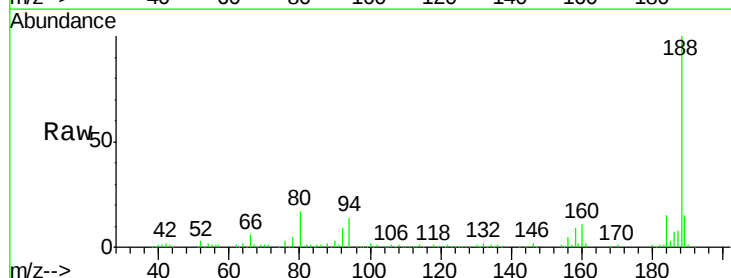


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

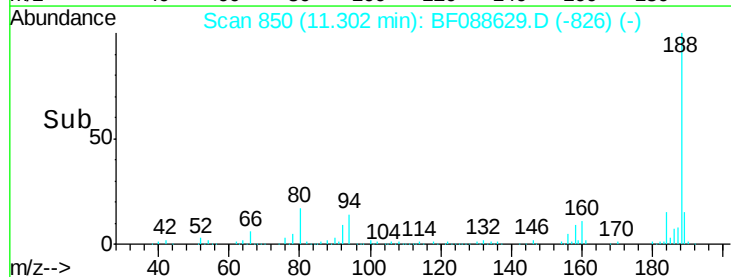
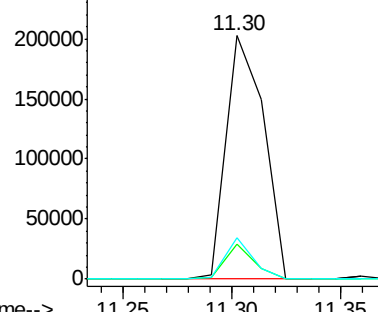


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	244653		
94	14.5	9.0	13.6#	
80	17.0	10.0	15.0#	



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





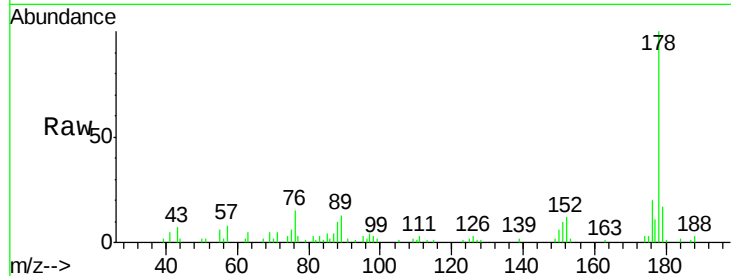
#70
Phenanthrene
Concen: 2.32 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

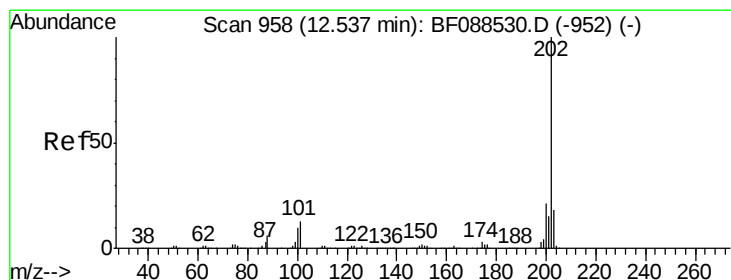
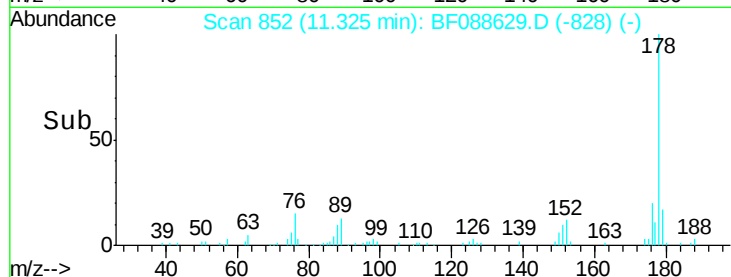
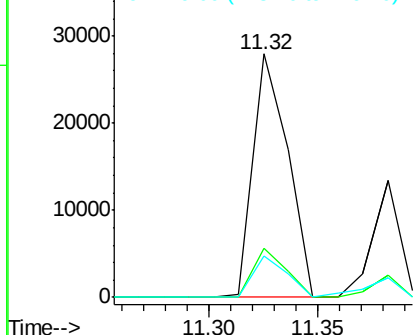
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.6
179	16.7	13.0	19.4

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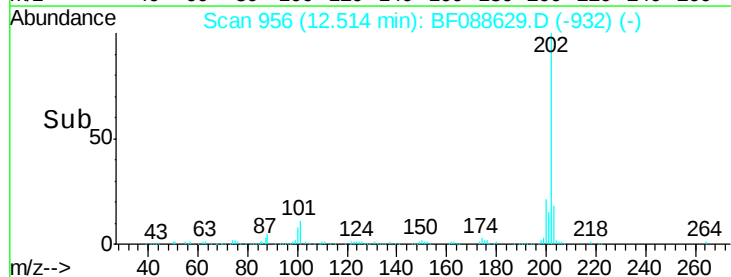
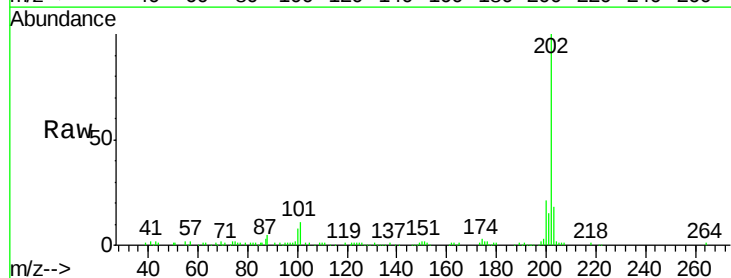
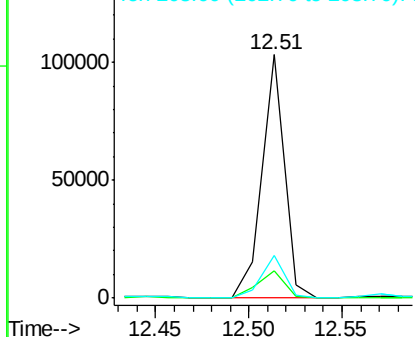
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

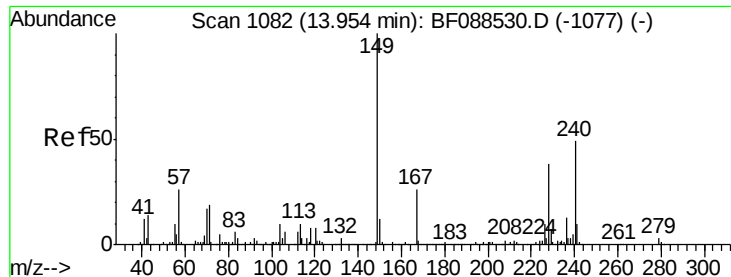


#74
Fluoranthene
Concen: 6.22 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.1
203	17.7	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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

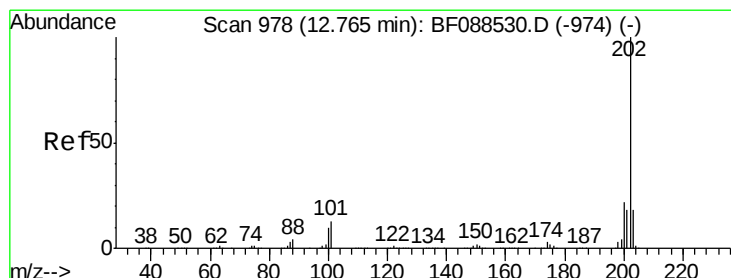
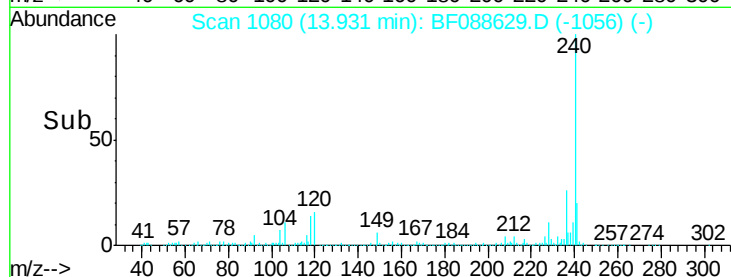
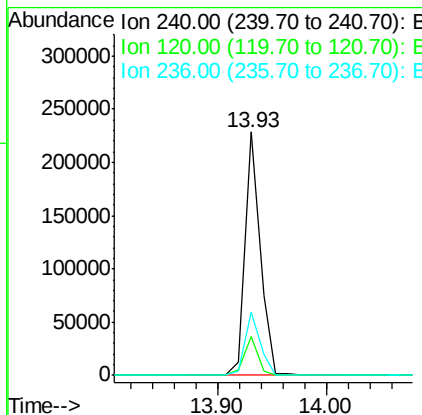
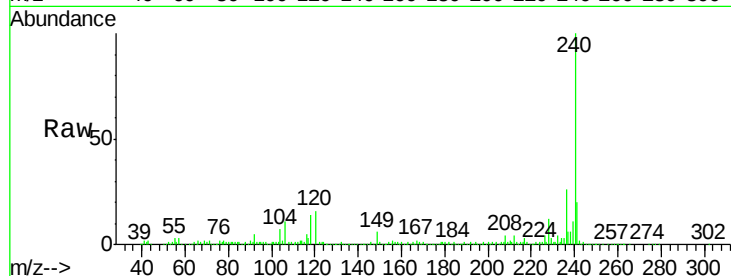
ClientSampleId :

R5-B2(0-6)C

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.8	6.8	10.2#
236	25.7	20.2	30.2

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#77

Pyrene

Concen: 4.28 ng

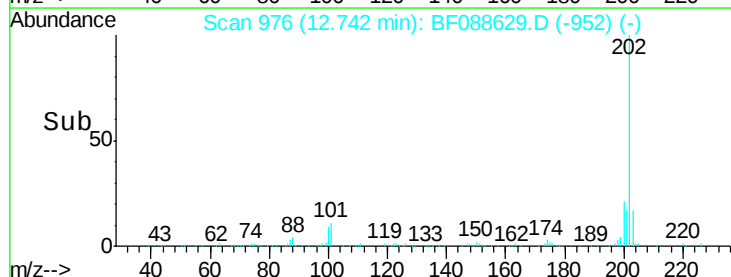
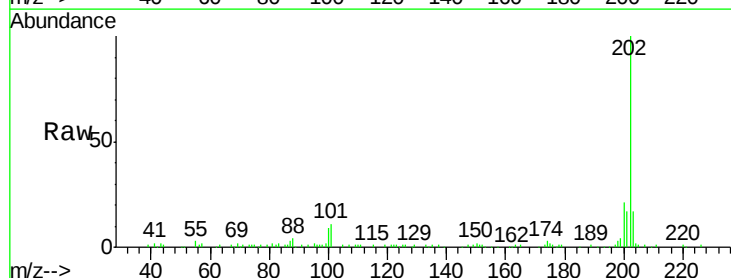
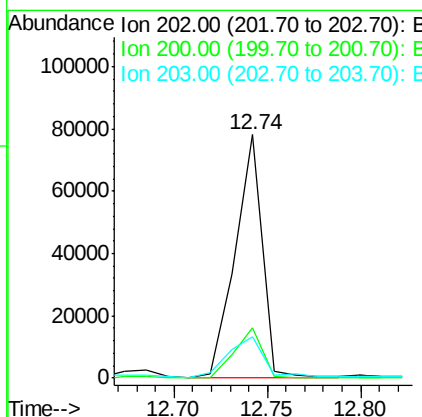
RT: 12.74 min Scan# 976

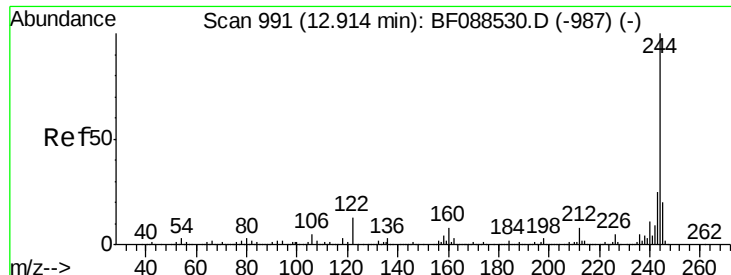
Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.1	14.5	21.7





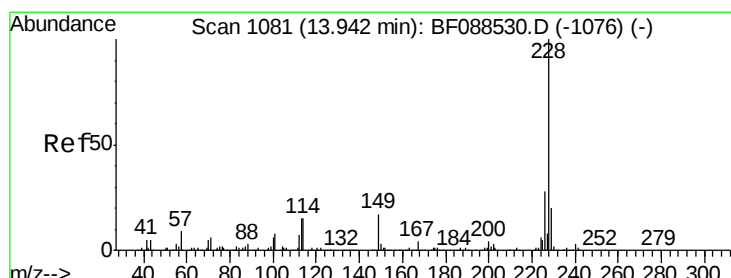
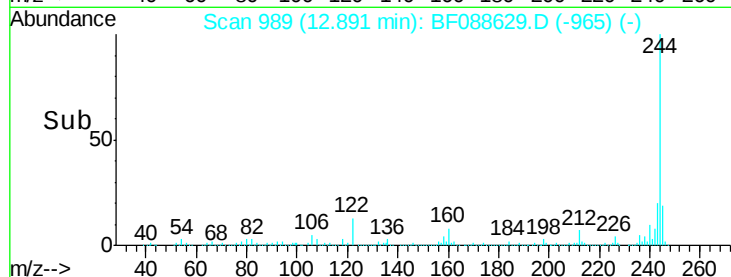
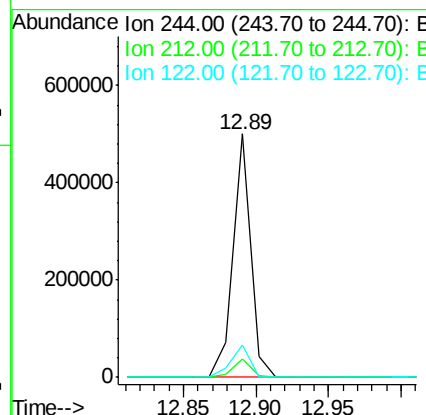
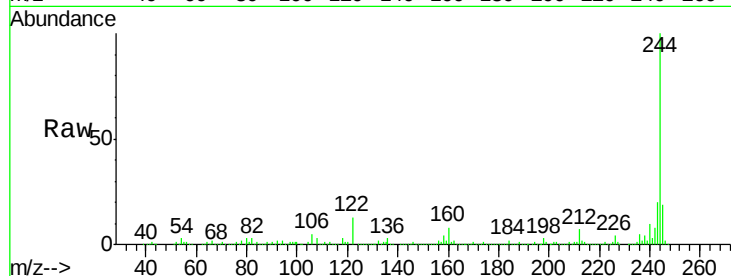
#78
 Terphenyl-d14
 Concen: 42.54 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.4	11.2	16.8

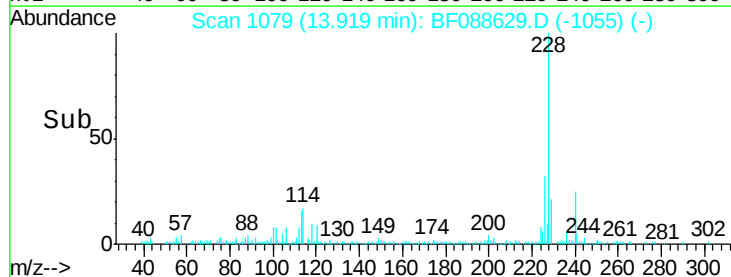
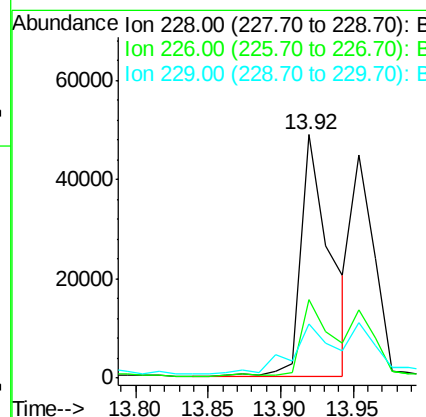
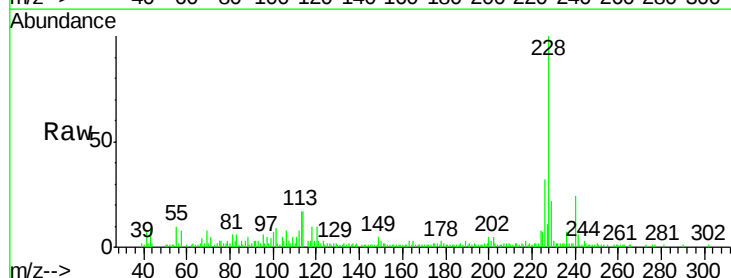
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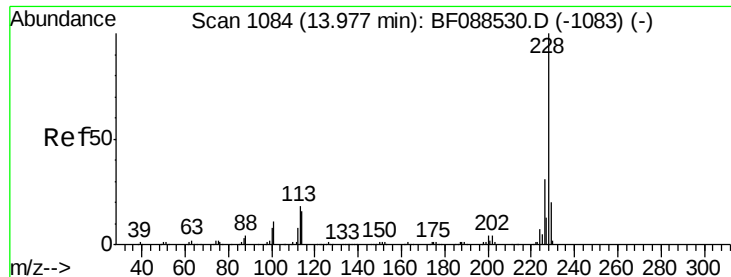
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#80
 Benzo(a)anthracene
 Concen: 4.80 ng
 RT: 13.92 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.3	33.5
229	22.5	16.0	24.0





#82

Chrysene

Concen: 3.44 ng m

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

Tgt Ion: 228 Resp: 48426

Ion Ratio Lower Upper

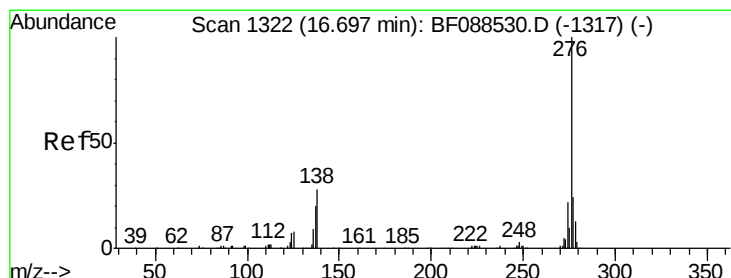
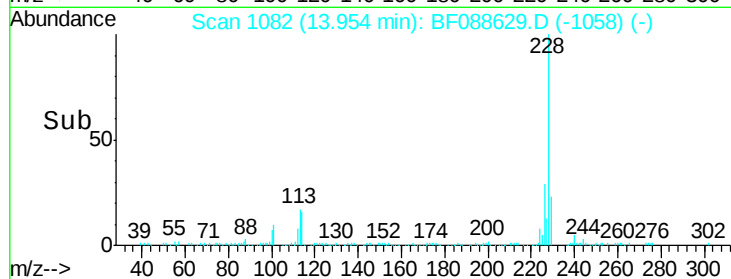
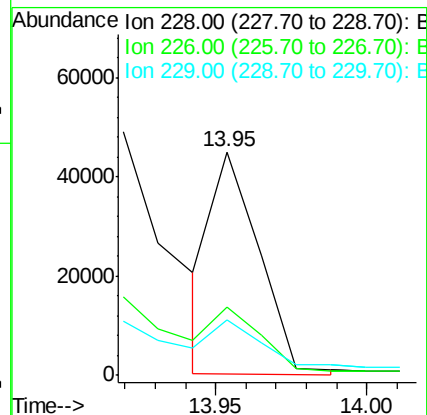
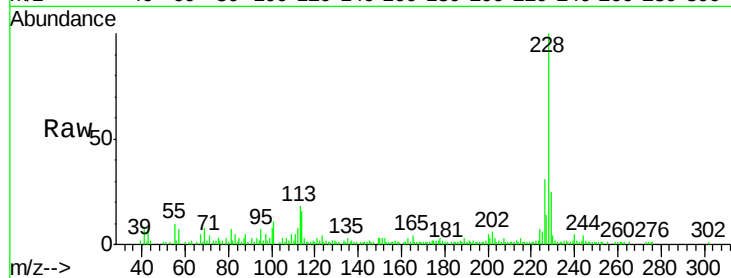
228 100

226 30.5 25.4 38.2

229 24.9 16.3 24.5#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng

RT: 16.67 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

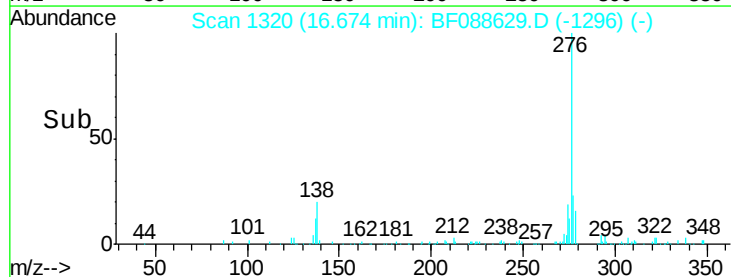
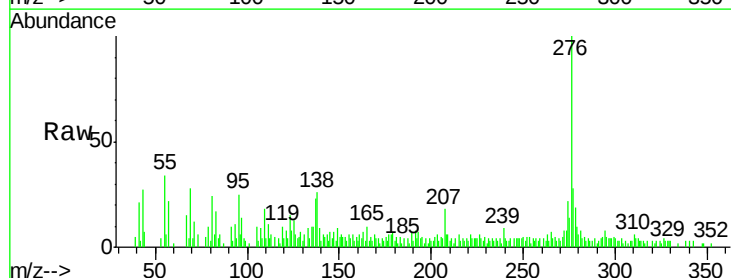
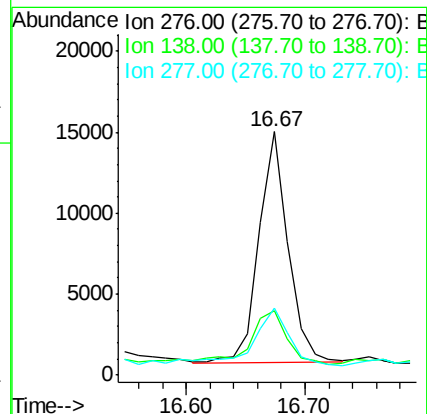
Tgt Ion: 276 Resp: 24576

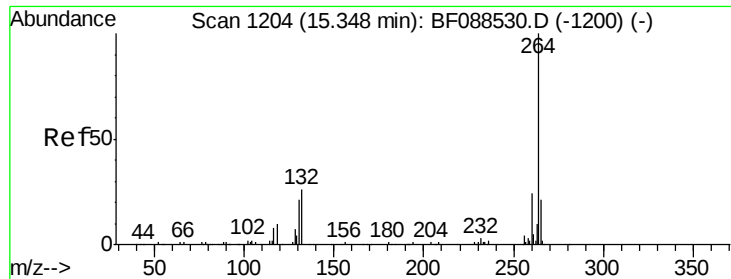
Ion Ratio Lower Upper

276 100

138 31.2 0.0 0.0#

277 32.7 0.0 0.0#





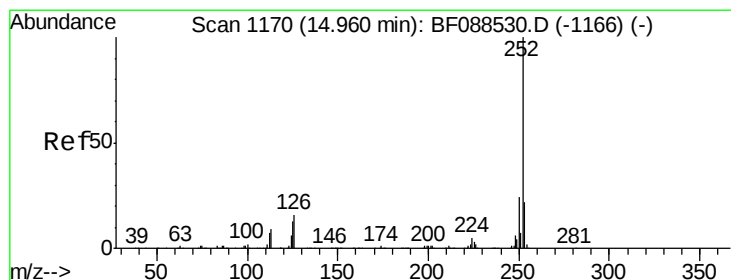
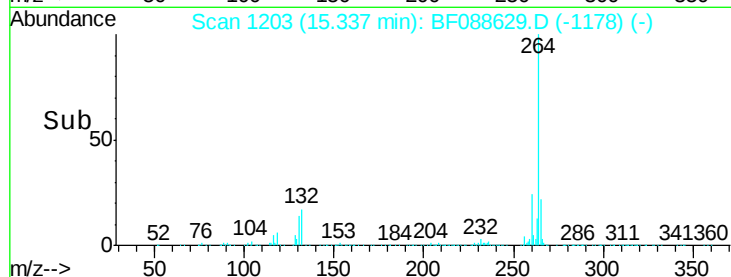
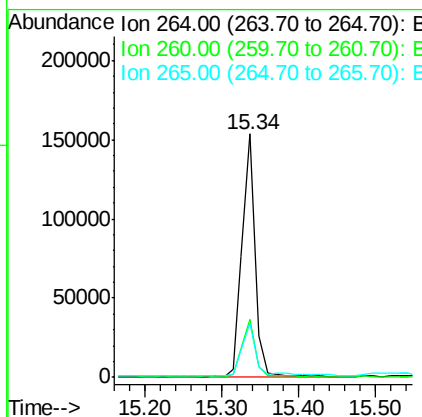
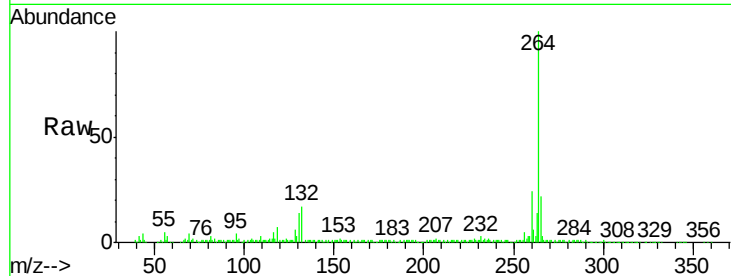
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	16.9	25.3

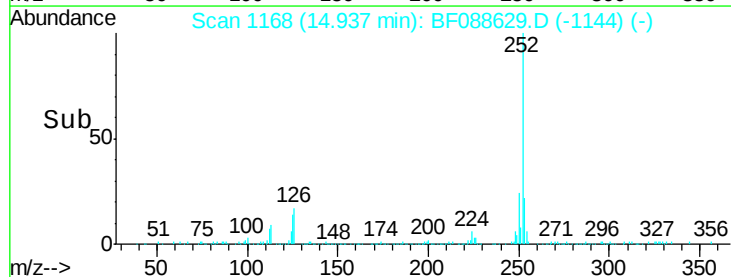
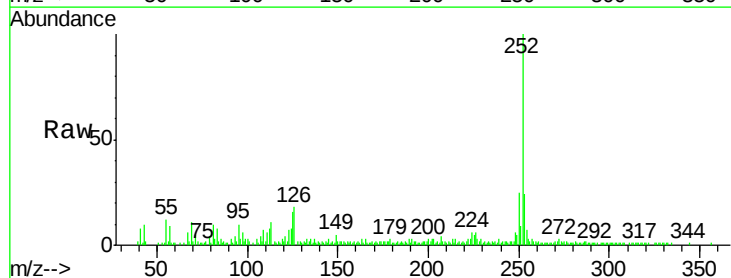
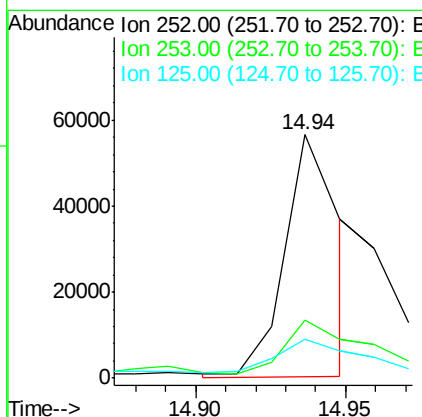
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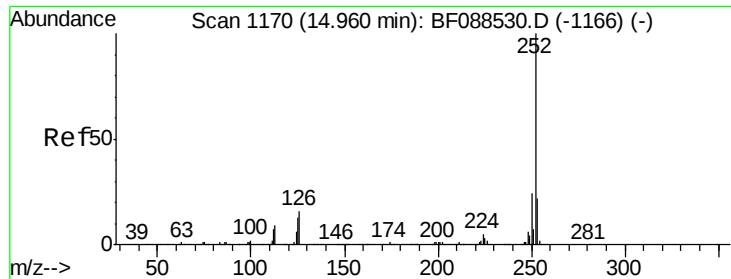
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#87
Benzo(b)fluoranthene
Concen: 6.32 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	16.0	7.1	10.7#





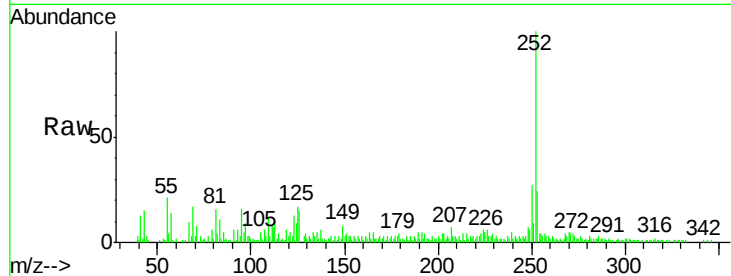
#88
Benzo(k)fluoranthene
Concen: 2.99 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

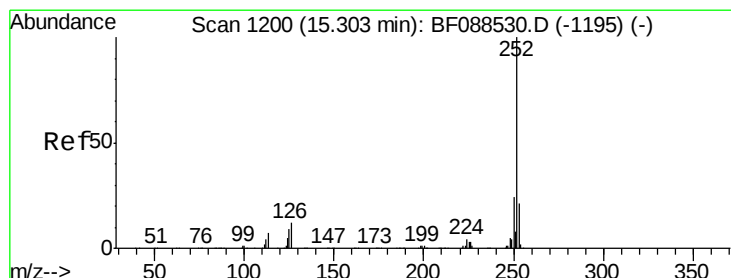
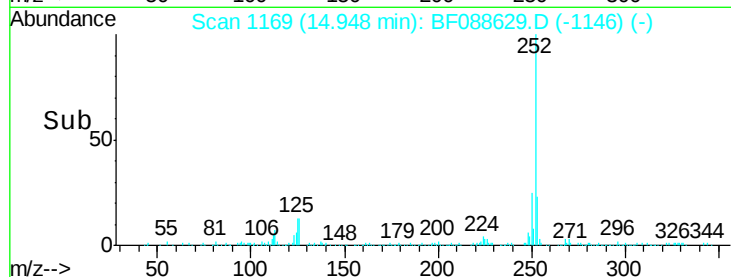
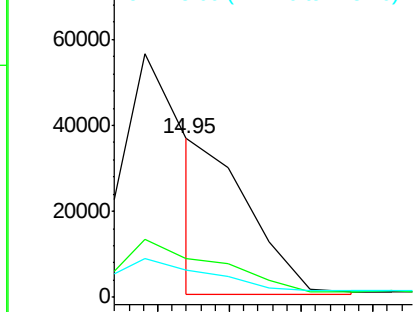
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	16.9	11.2	16.8

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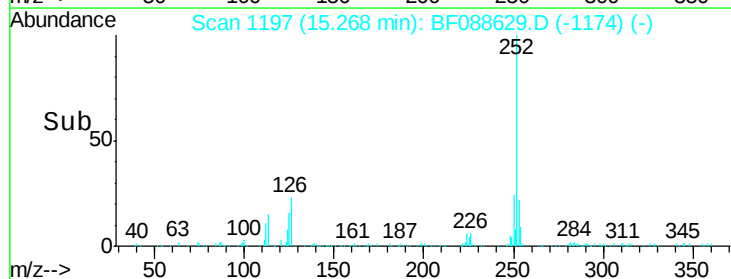
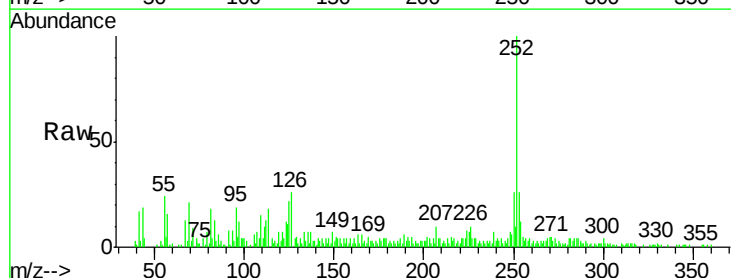
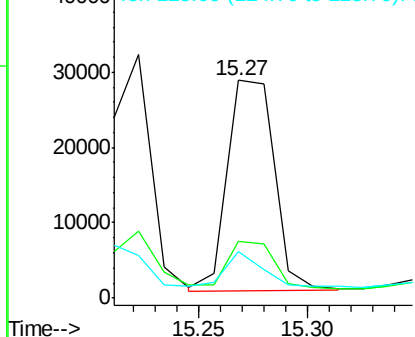
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

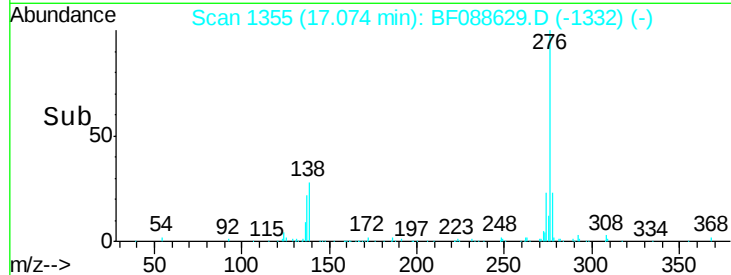
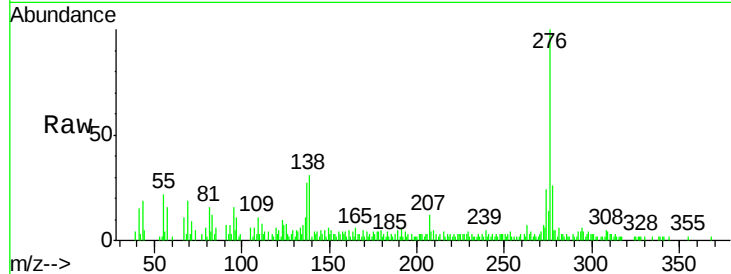
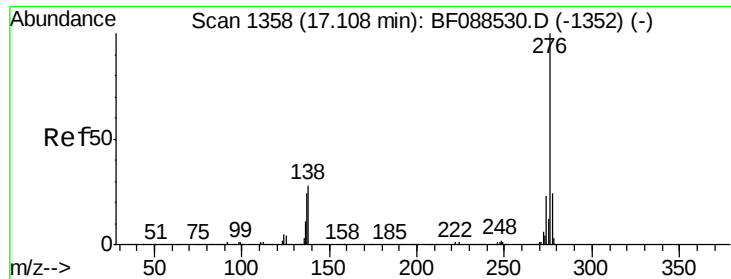


#89
Benzo(a)pyrene
Concen: 4.33 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	21.6	12.5	18.7

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





#91
 Benzo(g,h,i)perylene
 Concen: 4.43 ng
 RT: 17.07 min Scan# 1355
 Delta R.T. -0.03 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.9	28.3
138	31.0	21.4	32.2

Manual Integrations
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