

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
 Data File : BF088971.D
 Acq On : 13 Jul 2016 21:38
 Operator : UM/SJ
 Sample : H3981-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-7

Manual Integrations

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 7/14/2016 4:19:52 AM

Quant Time: Jul 14 01:51:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:23:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	68201	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	243368	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	103649	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	166292	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	129483	20.00	ng	-0.01
86) Perylene-d12	15.20	264	117291	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	591190	129.91	ng	0.01
7) Phenol-d6	6.35	99	798232	135.75	ng	0.00
23) Nitrobenzene-d5	7.27	82	522180	112.44	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	130626	135.72	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	726841	110.77	ng	0.00
78) Terphenyl-d14	12.79	244	376482	64.76	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.70	142	16349	2.12	ng	Qvalue # 96
49) Dimethylphthalate	9.45	163	154006	20.86	ng	99
70) Phenanthrene	11.22	178	45180	4.97	ng	98
74) Fluoranthene	12.41	202	38543	4.18	ng	95
77) Pyrene	12.63	202	37853	3.45	ng	96
80) Benzo(a)anthracene	13.82	228	20481	2.46	ng	# 81
82) Chrysene	13.85	228	29219	3.54	ng	# 95
87) Benzo(b)fluoranthene	14.82	252	28131m	3.82	ng	
89) Benzo(a)pyrene	15.14	252	17839	2.86	ng	94
91) Benzo(g,h,i)perylene	16.87	276	16591	3.08	ng	95

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

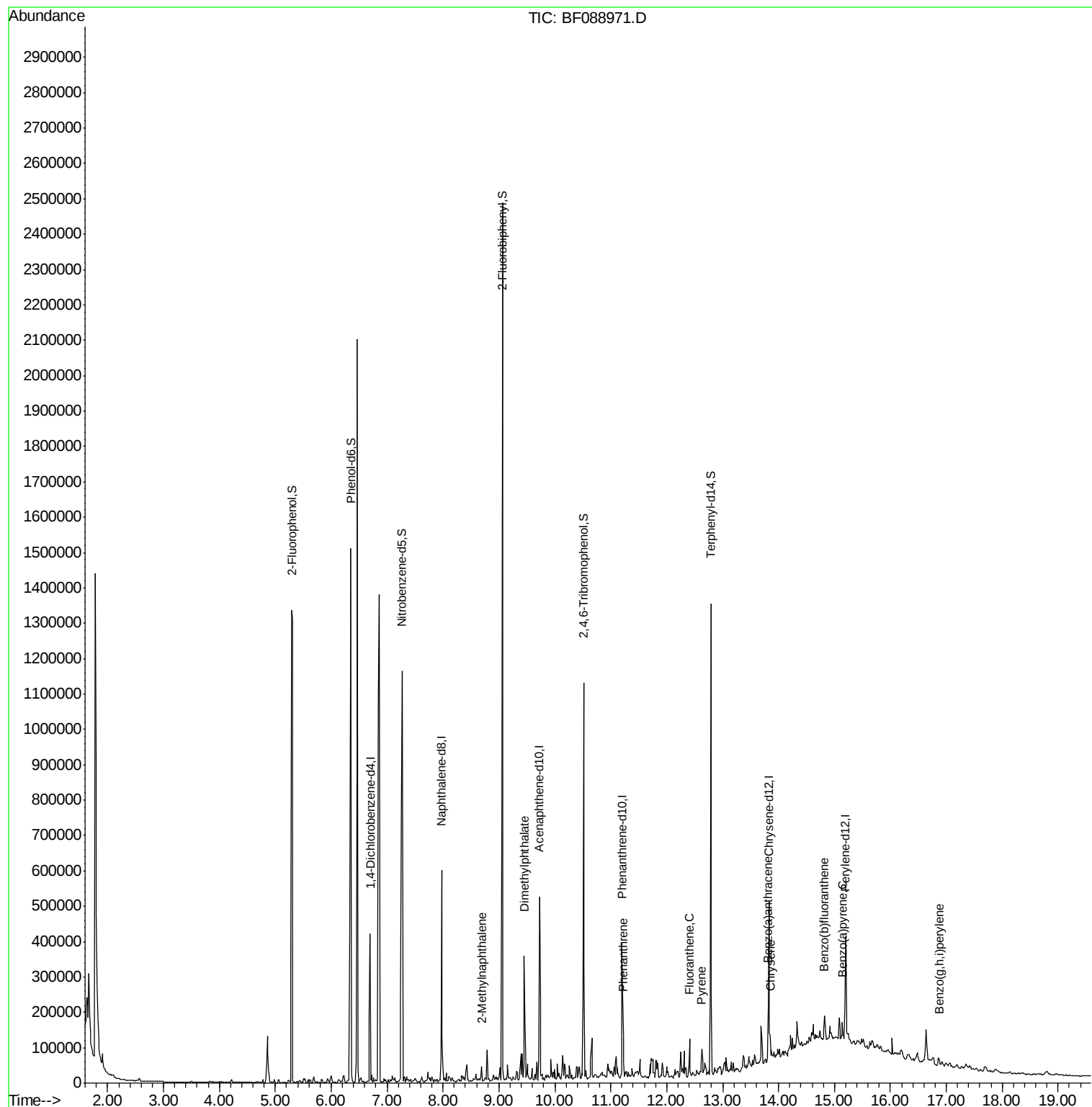
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088971.D
Acq On : 13 Jul 2016 21:38
Operator : UM/SJ
Sample : H3981-19
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Instrument :
BNA_F
ClientSampleId :
C4.2-7

Manual Integrations

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

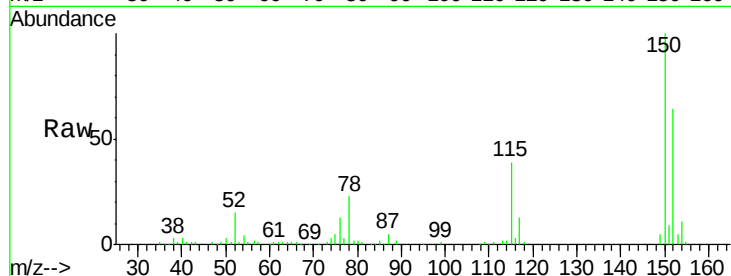
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampleId :
C4.2-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.8	185.6
115	60.9	39.6	59.4

Manual Integrations

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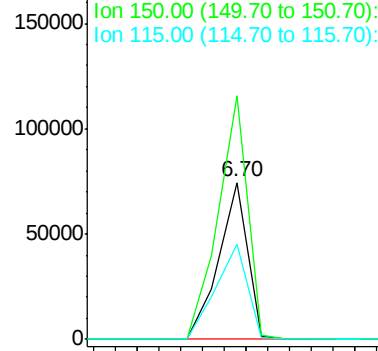


Abundance

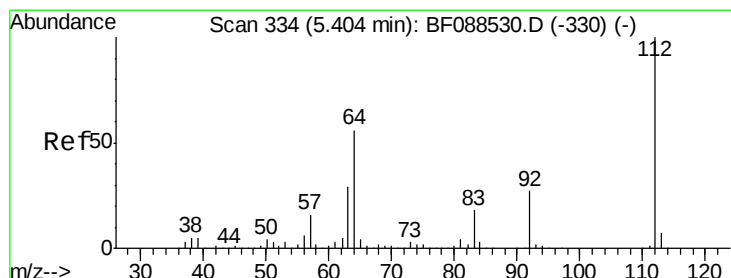
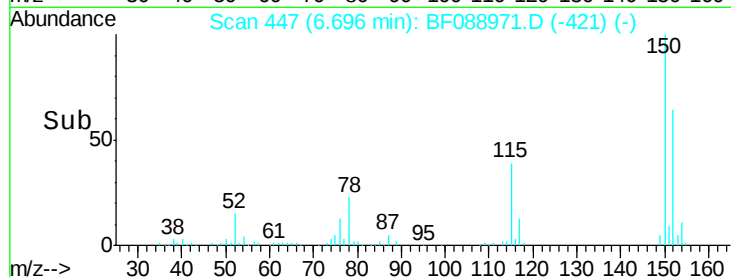
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



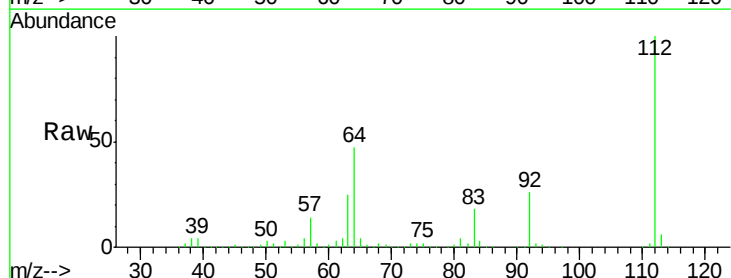
Time-->



#5

2-Fluorophenol
Concen: 129.91 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.2	42.2	63.2
63	25.4	21.8	32.8

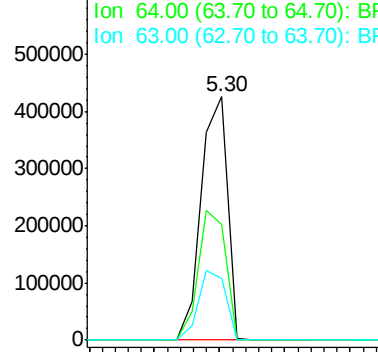


Abundance

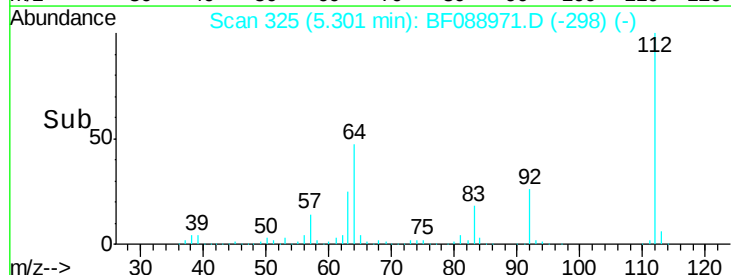
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 135.75 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

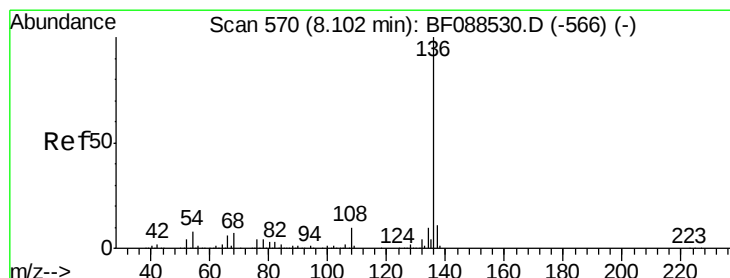
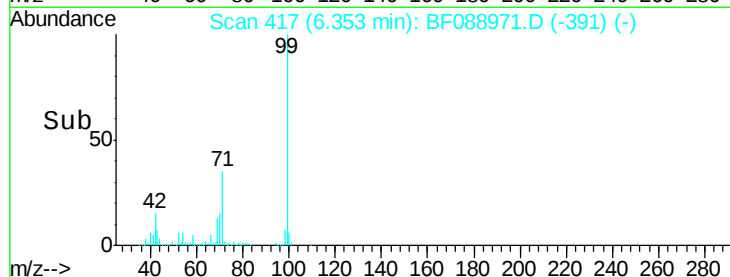
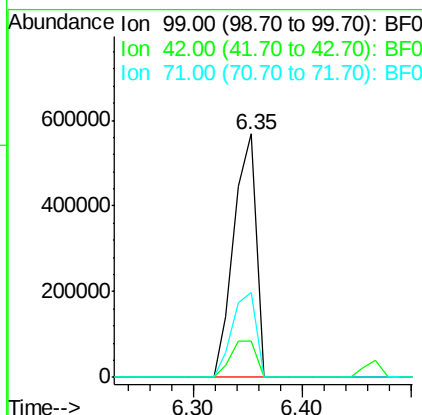
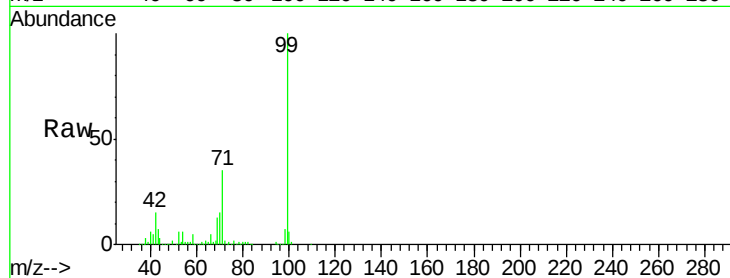
C4.2-7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		798232		
42	14.7	12.2	18.2		
71	34.9	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

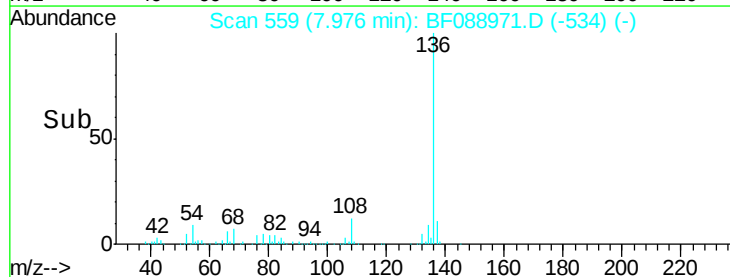
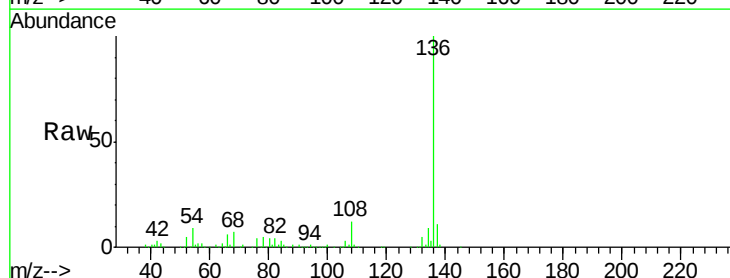
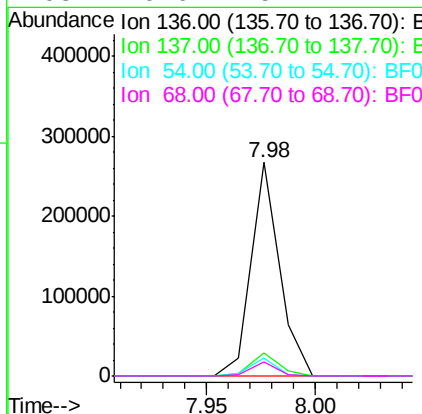
RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		243368		
137	11.1	9.1	13.7		
54	8.5	6.6	10.0		
68	6.6	5.1	7.7		





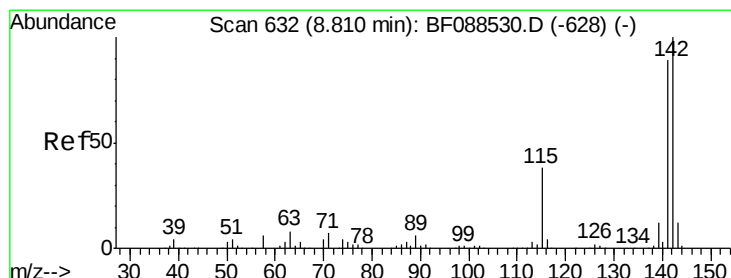
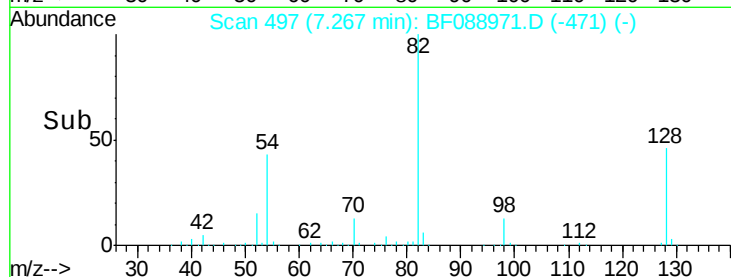
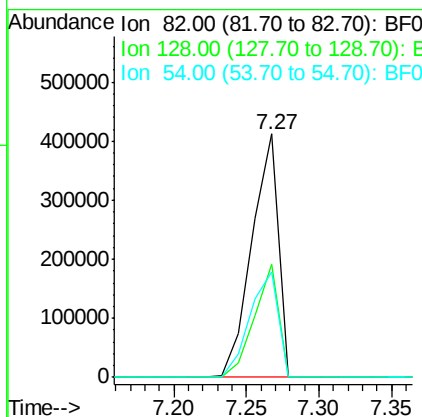
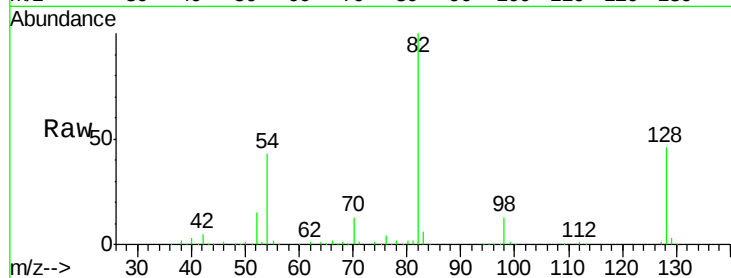
#23
 Nitrobenzene-d5
 Concen: 112.44 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

Instrument :
 BNA_F
 ClientSampled :
 C4.2-7

Tot Ion	82	Resp	522180
Ion Ratio	100	Lower	Upper
82	100		
128	46.4	35.9	53.9
54	43.2	40.9	61.3

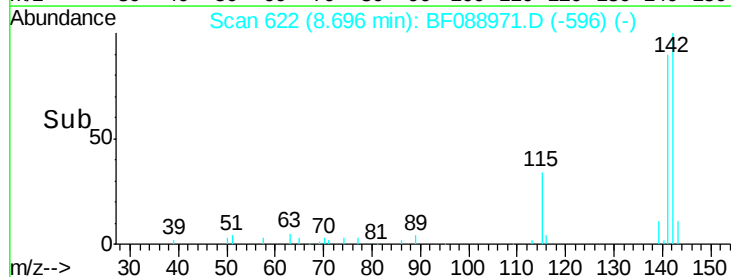
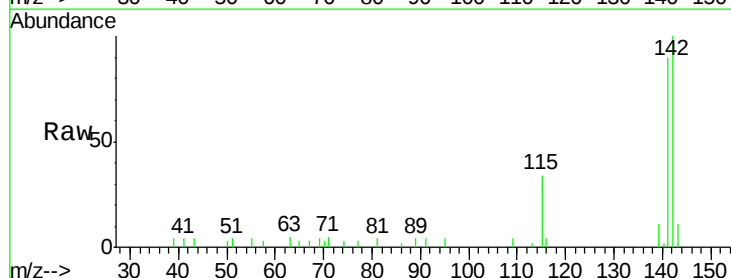
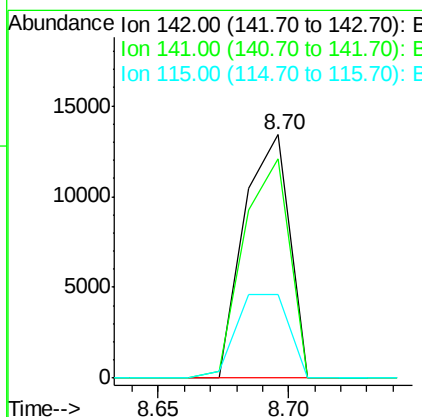
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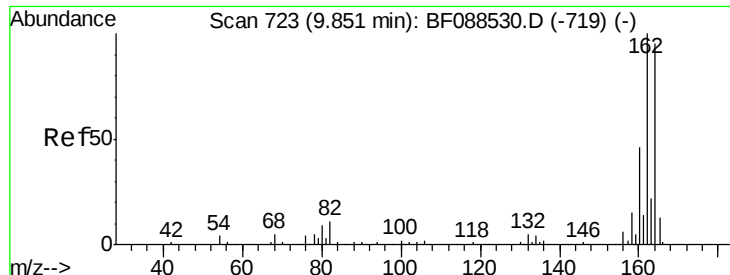
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#37
 2-Methylnaphthalene
 Concen: 2.12 ng
 RT: 8.70 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

Tgt Ion	142	Resp	16349
Ion Ratio	100	Lower	Upper
142	100		
141	90.1	71.0	106.6
115	34.2	22.6	33.8#





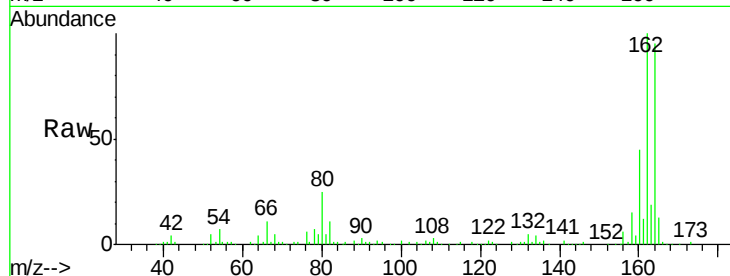
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampleId :
C4.2-7

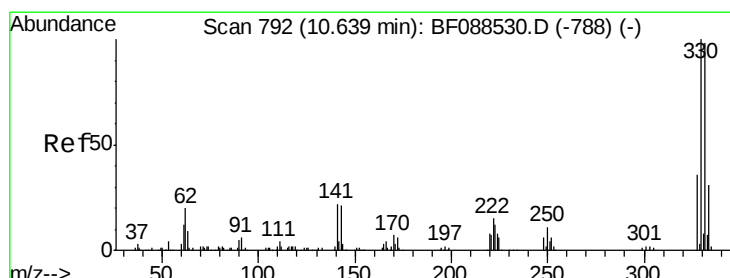
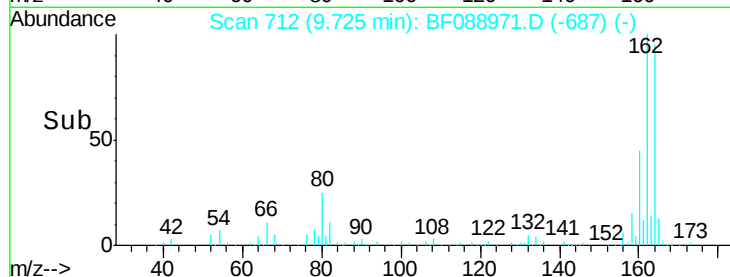
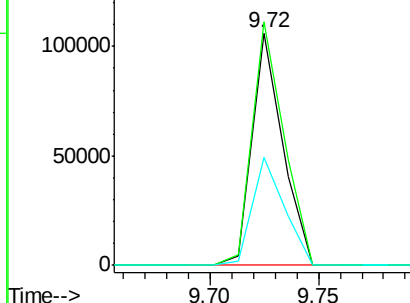
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.4	128.2
160	46.8	39.5	59.3

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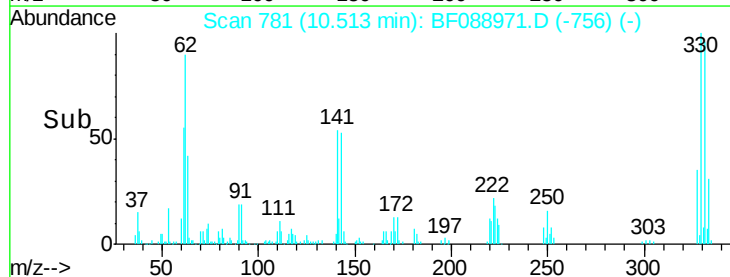
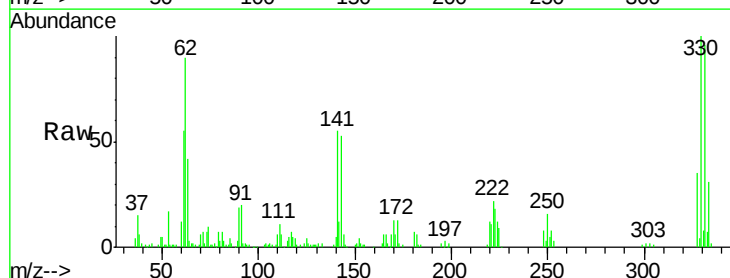
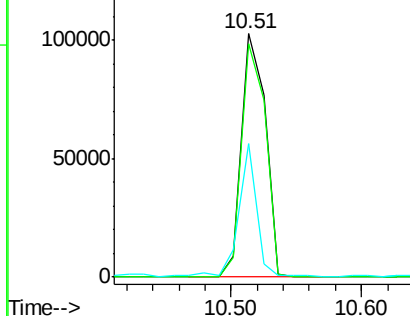
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 135.72 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	40.4	0.0	0.0#

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





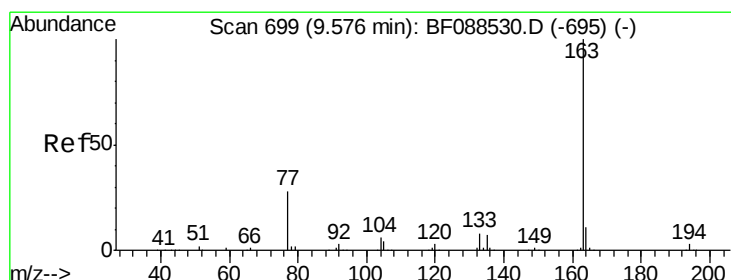
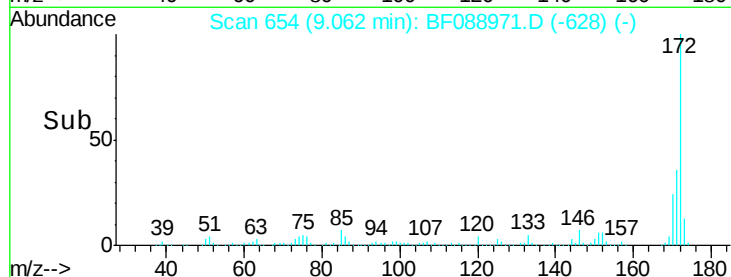
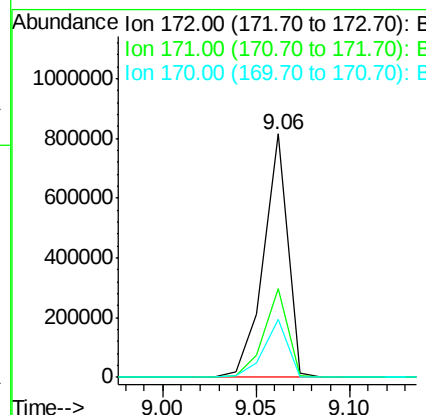
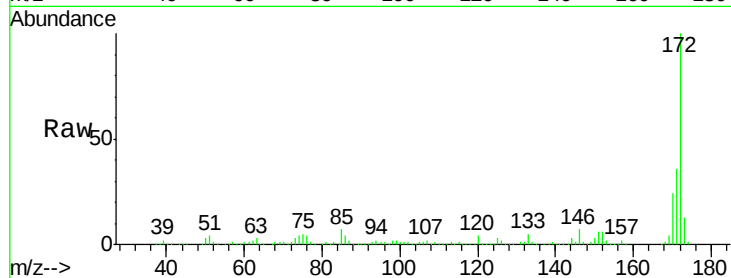
#44
2-Fluorobiphenyl
Concen: 110.77 ng
RT: 9.06 min Scan# 654
Delta R.T. -0.00 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampleId :
C4.2-7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		726841		
171	36.5	28.6	43.0		
170	24.0	19.2	28.8		

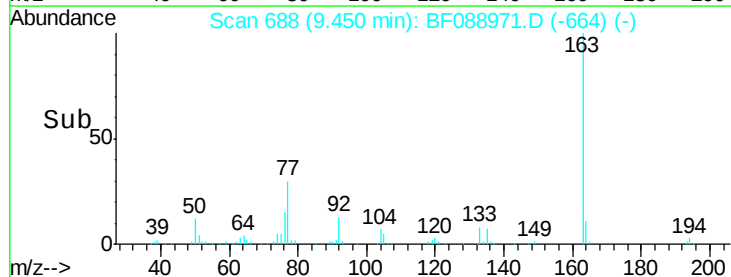
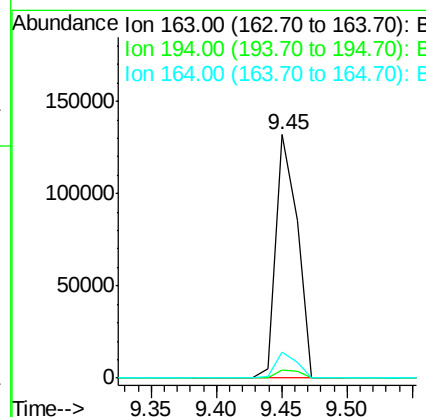
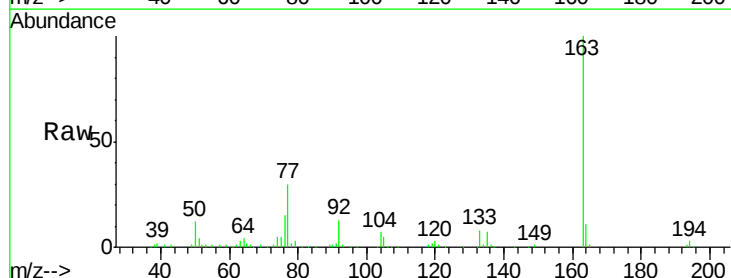
Manual Integrations

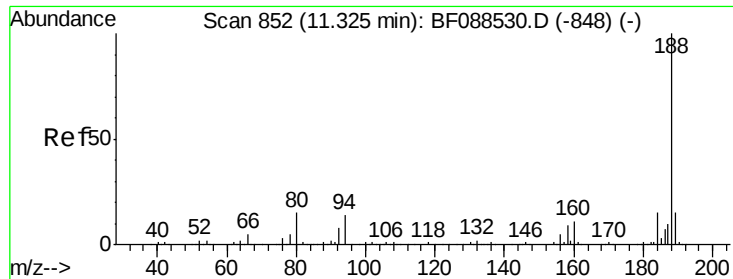
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#49
Dimethylphthalate
Concen: 20.86 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		154006		
194	3.1	2.8	4.2		
164	10.7	8.3	12.5		





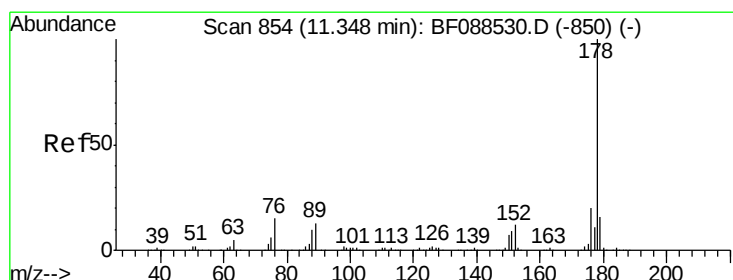
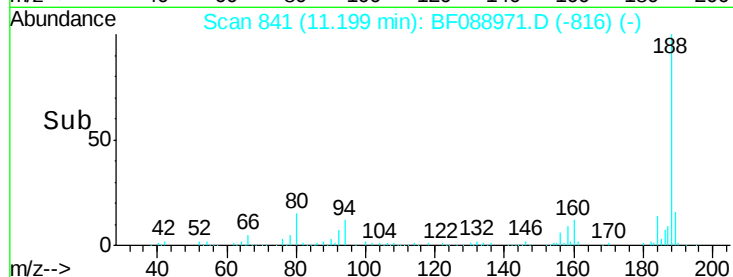
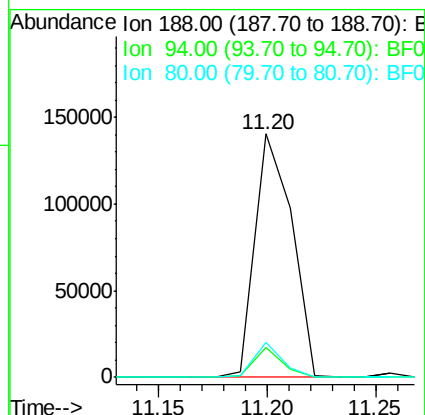
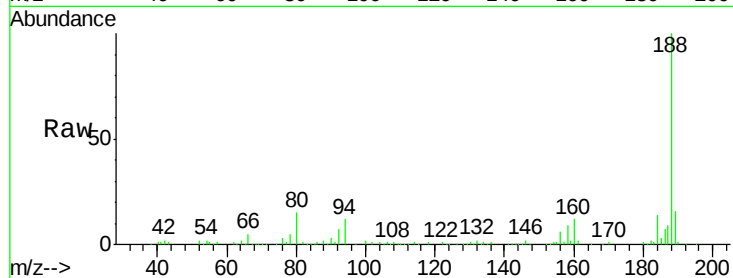
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampleId :
C4.2-7

Tot Ion	Ratio	Resp	Lower	Upper
188	100	166292		
94	12.1		9.0	13.6
80	14.6		10.0	15.0

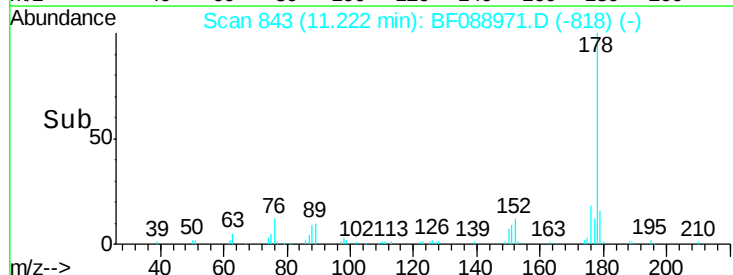
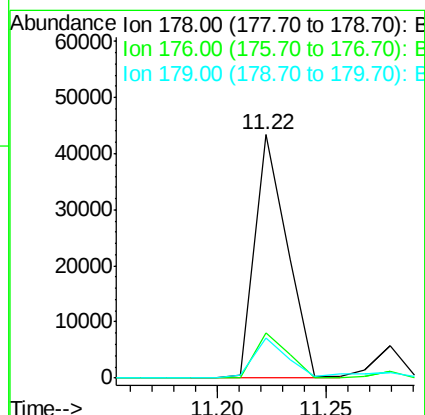
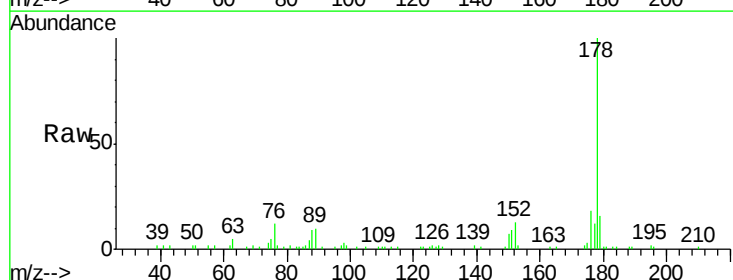
Manual Integrations

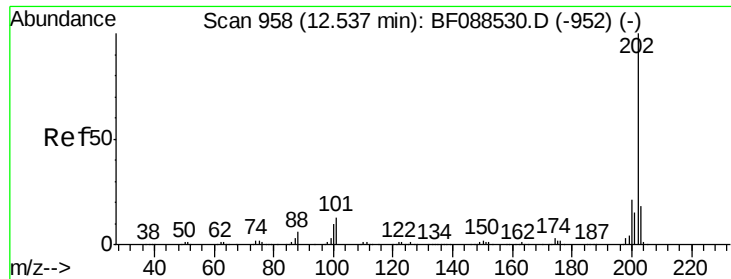
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#70
Phenanthrene
Concen: 4.97 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	45180		
176	18.5		15.8	23.6
179	16.3		13.0	19.4





#74

Fluoranthene

Concen: 4.18 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

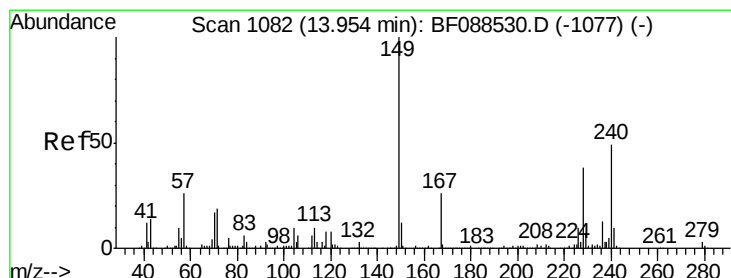
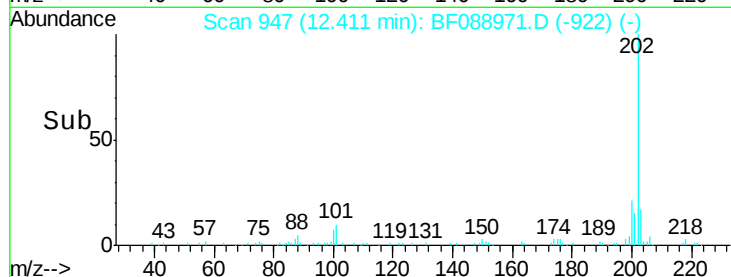
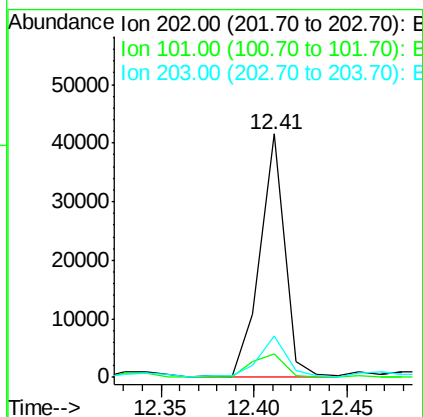
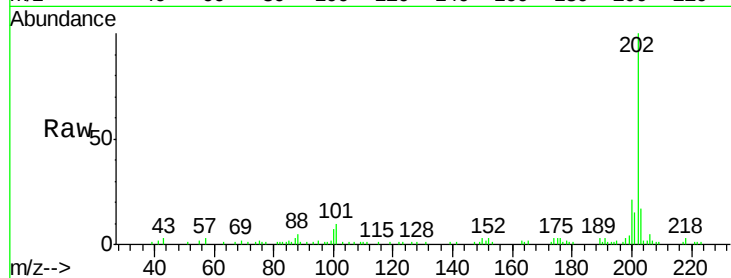
C4.2-7

Tot Ion:	202	Resp:	38543
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	33.1
203	17.1	0.0	38.1

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

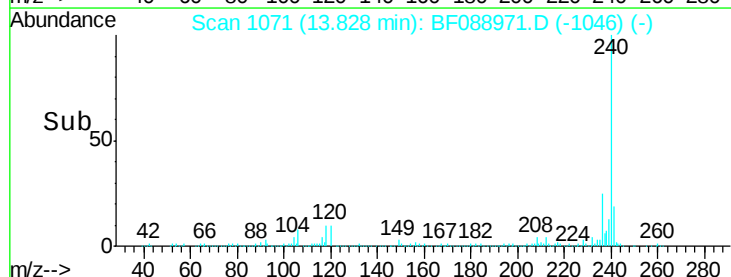
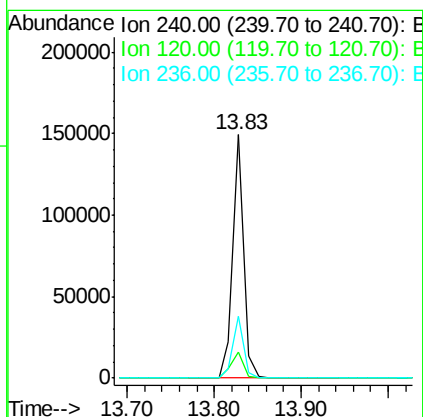
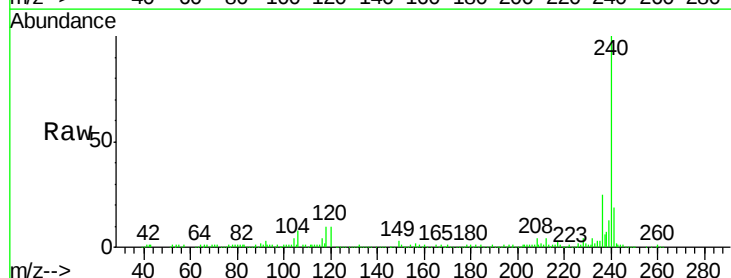
RT: 13.83 min Scan# 1071

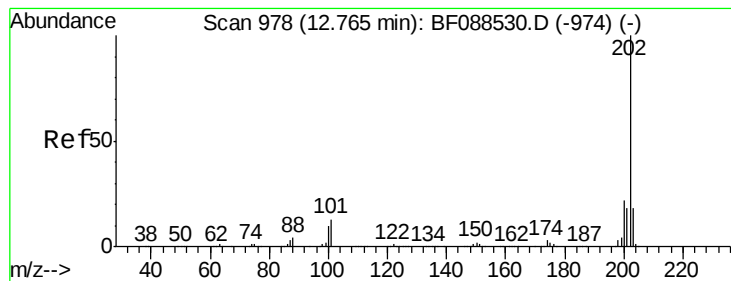
Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Tgt Ion:	240	Resp:	129483
Ion Ratio	Lower	Upper	
240	100		
120	10.5	6.8	10.2#
236	25.2	20.2	30.2





#77

Pvrene

Concen: 3.45 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

C4.2-7

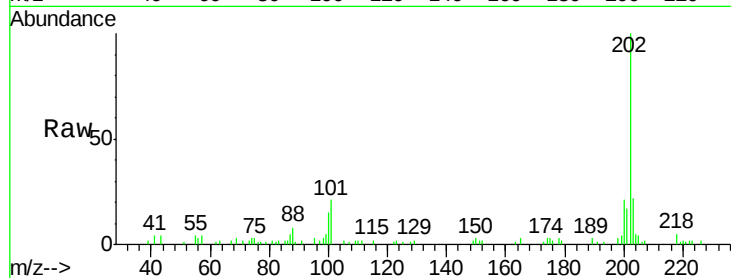
Tot Ion:	202	Resp:	37853
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	21.6	14.5	21.7

Manual Integrations

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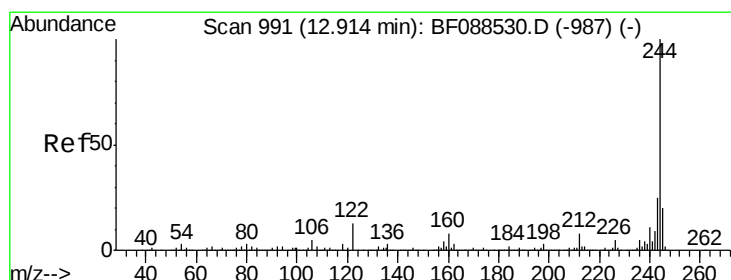
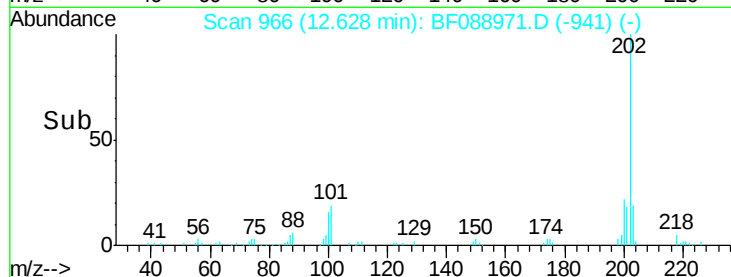
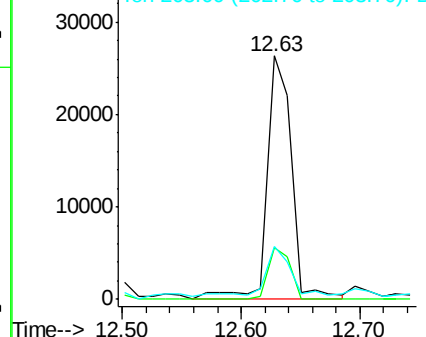
7/14/2016 4:19:52 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 64.76 ng

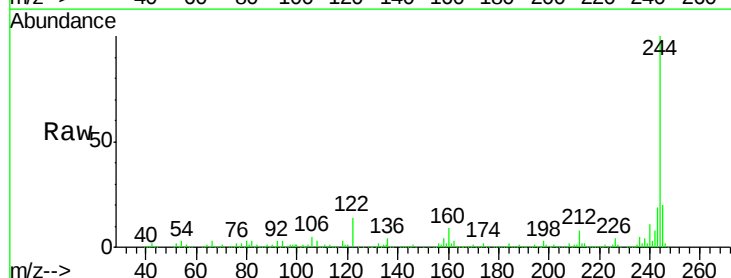
RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

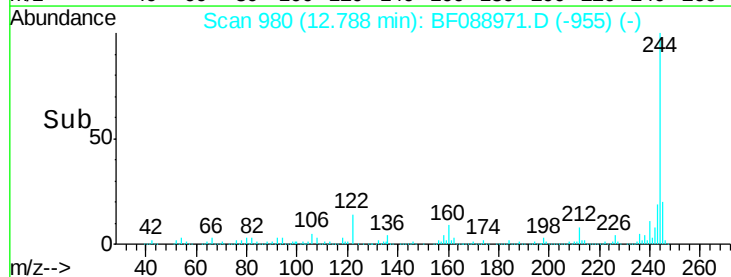
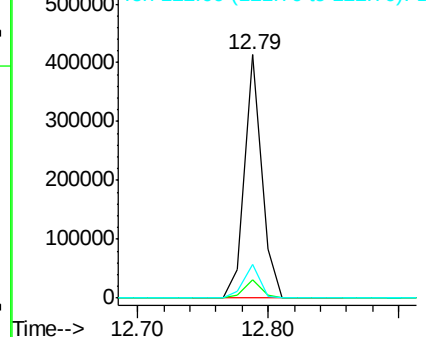
Tgt Ion:	244	Resp:	376482
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.0	9.0
122	13.9	11.2	16.8

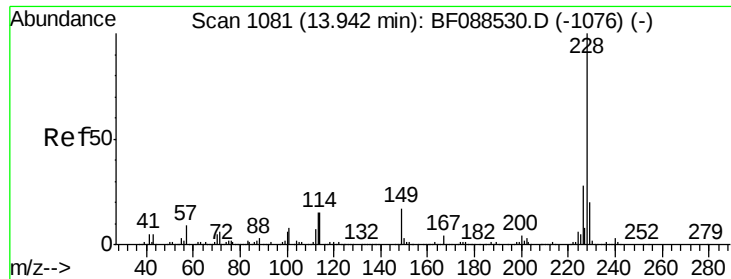


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





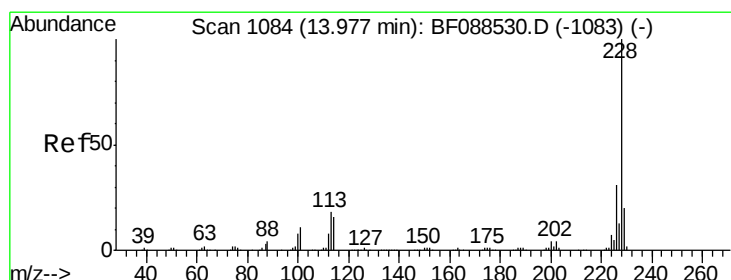
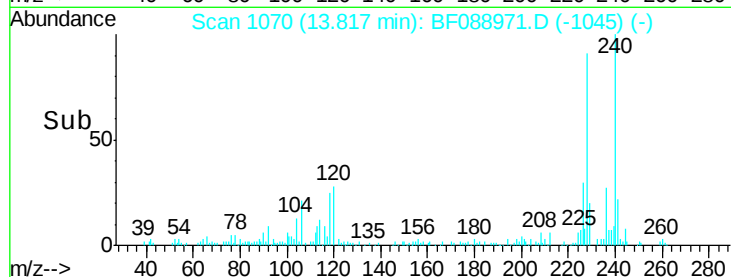
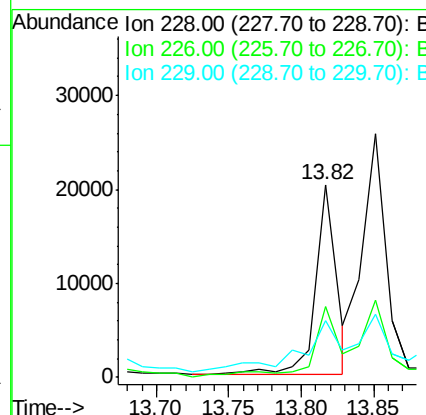
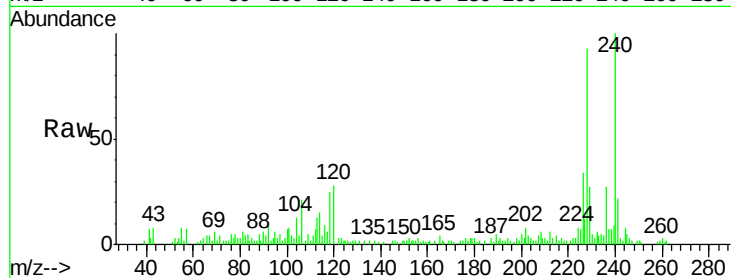
#80
Benzo(a)anthracene
Concen: 2.46 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampleId :
C4.2-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.9	22.3	33.5#
229	29.4	16.0	24.0#

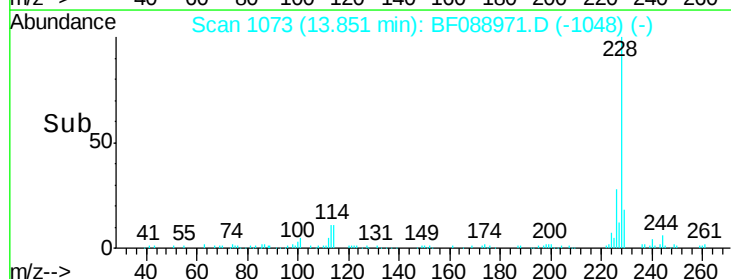
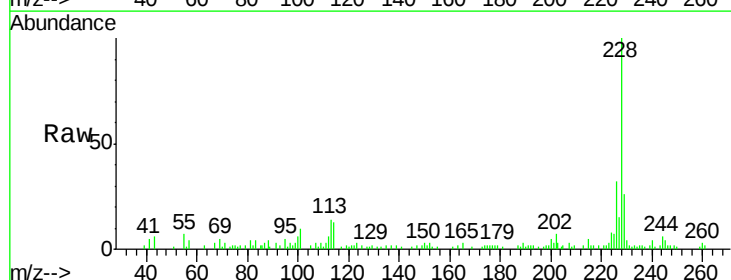
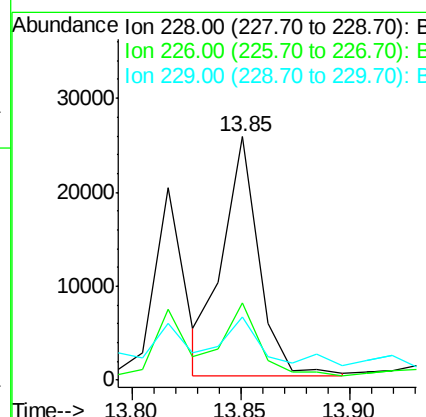
Manual Integrations

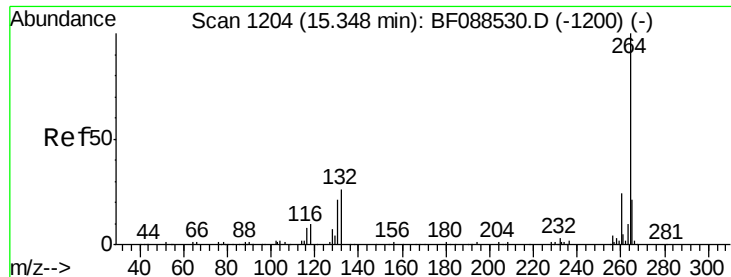
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#82
Chrysene
Concen: 3.54 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.2
229	26.1	16.3	24.5#





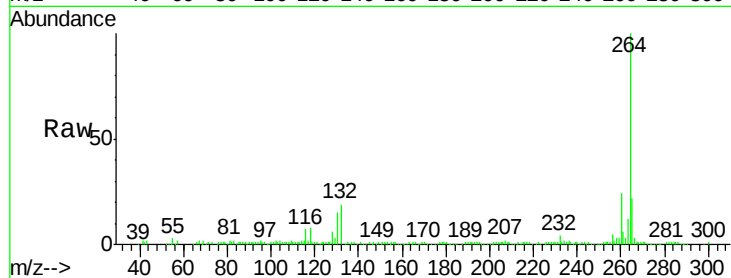
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampled :
C4.2-7

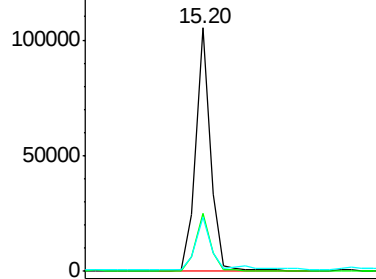
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	16.9	25.3

Manual Integrations

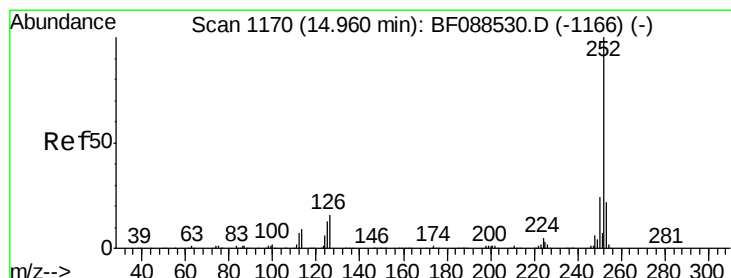
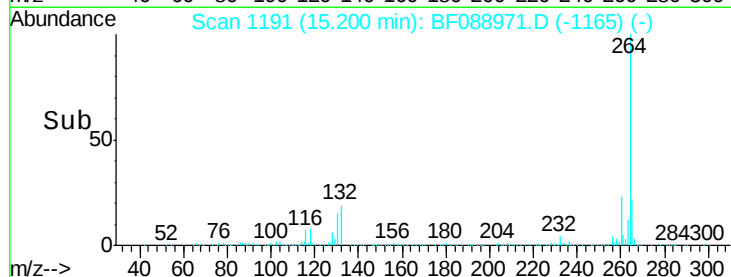
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



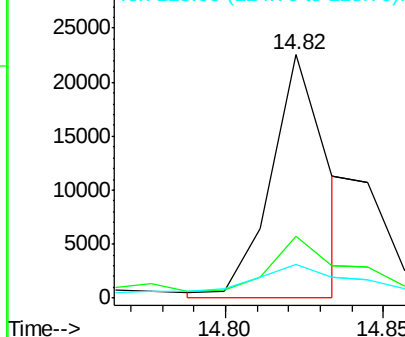
Time-->



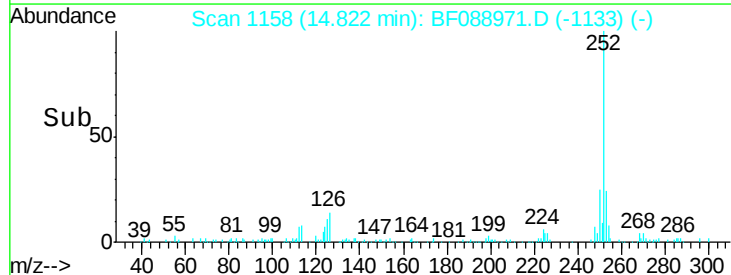
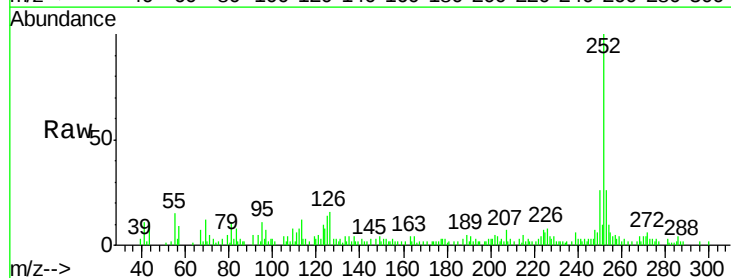
#87
Benzo(b)fluoranthene
Concen: 3.82 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

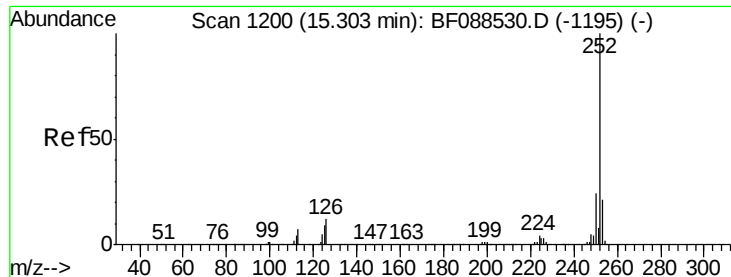
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.4	26.2
125	13.6	7.1	10.7#

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



Time-->





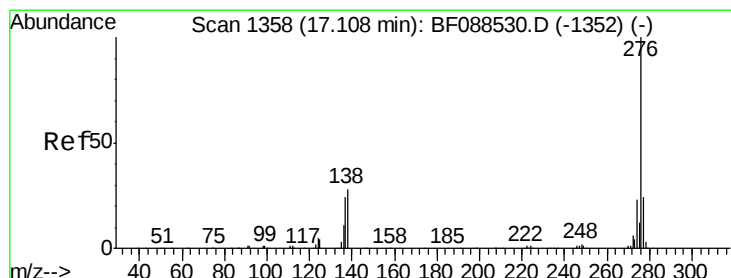
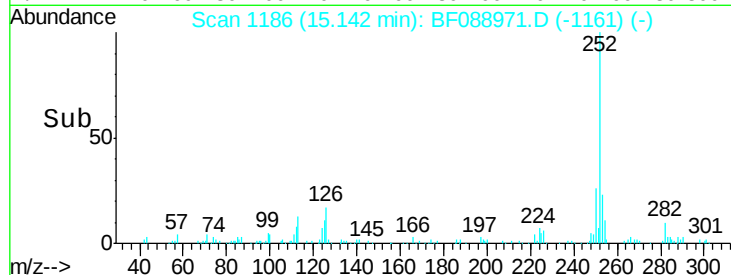
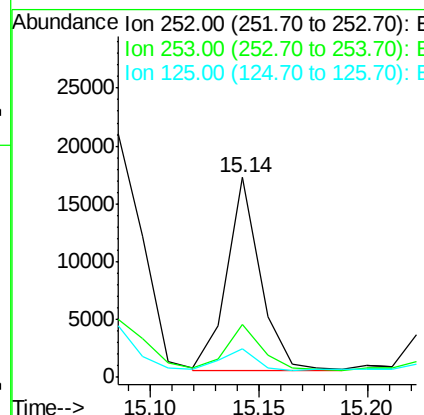
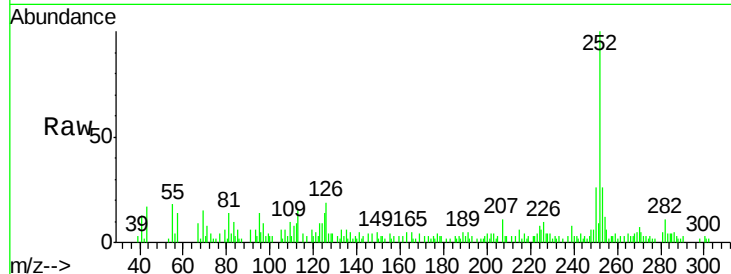
#89
Benzo(a)pyrene
Concen: 2.86 ng
RT: 15.14 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampled :
C4.2-7

Tot Ion:	252	Resp:	17839
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.9	26.9
125	14.1	12.5	18.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 3.08 ng
RT: 16.87 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion:	276	Resp:	16591
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.9	28.3
138	21.8	21.4	32.2

