

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\
 Data File : BF088561.D
 Acq On : 1 Jul 2016 6:38
 Operator : UM/SJ
 Sample : H3747-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Manual Integrations

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 7/1/2016 8:06:40 AM

Quant Time: Jul 01 07:09:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	145327	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	570099	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	238963	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	381271	20.00	ng	0.00
75) Chrysene-d12	13.95	240	270732	20.00	ng	0.00
86) Perylene-d12	15.36	264	275598	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	850338	87.69	ng	0.01
7) Phenol-d6	6.46	99	1292622	103.17	ng	0.01
23) Nitrobenzene-d5	7.38	82	715710	65.79	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	191695	86.39	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1131598	74.80	ng	0.00
78) Terphenyl-d14	12.91	244	688599	56.65	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	74188	4.36	ng	97
70) Phenanthrene	11.35	178	46694	2.24	ng	97
74) Fluoranthene	12.54	202	103636	4.90	ng	97
77) Pyrene	12.76	202	100614	4.38	ng	98
80) Benzo(a)anthracene	13.94	228	58803	3.37	ng	97
82) Chrysene	13.98	228	43420m	2.52	ng	
87) Benzo(b)fluoranthene	14.96	252	56746m	3.28	ng	
89) Benzo(a)pyrene	15.30	252	43280	2.96	ng	98

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

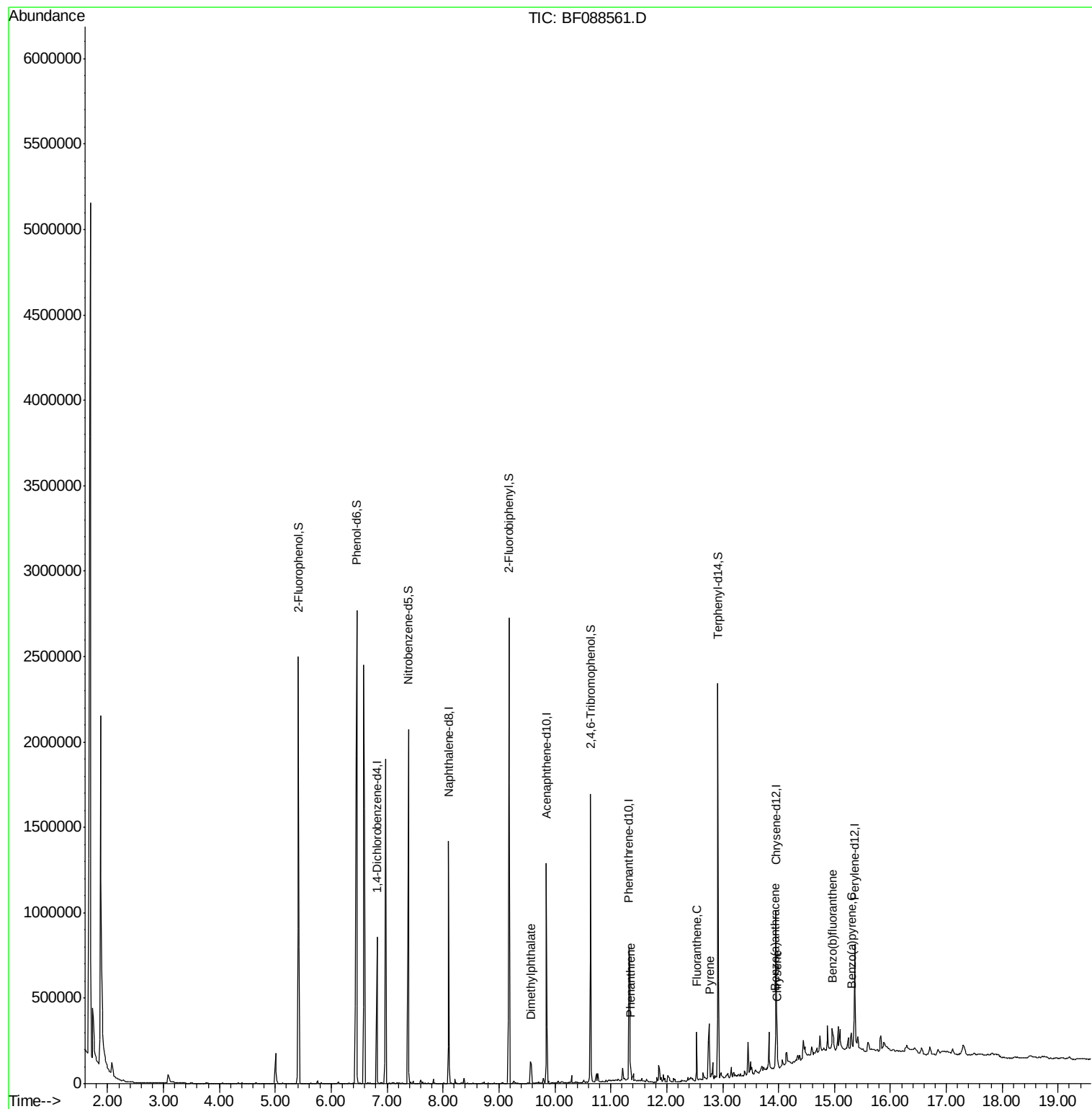
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\
Data File : BF088561.D
Acq On : 1 Jul 2016 6:38
Operator : UM/SJ
Sample : H3747-08
Misc :
ALS Vial : 32 Sample Multiplier: 1

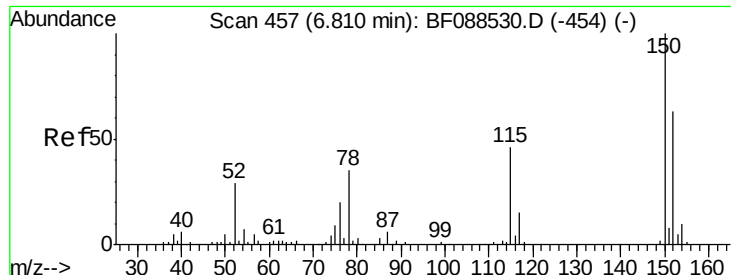
Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Manual Integrations

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#1

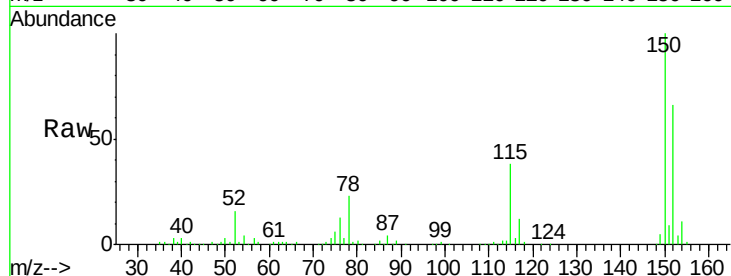
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. 0.01 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

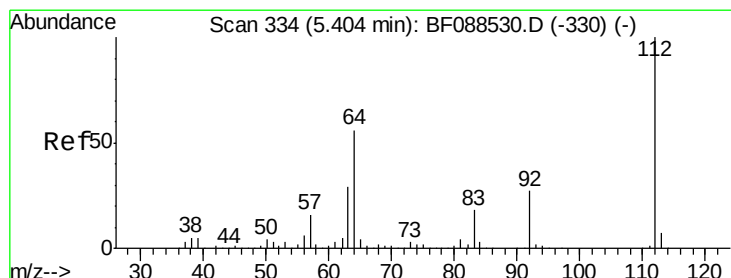
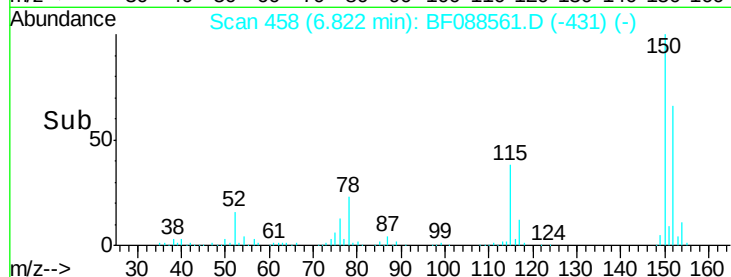
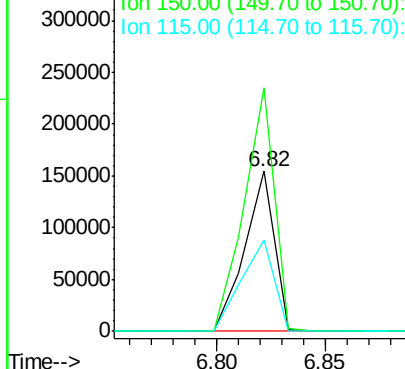
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.6
115	57.4	39.6	59.4

Manual Integrations

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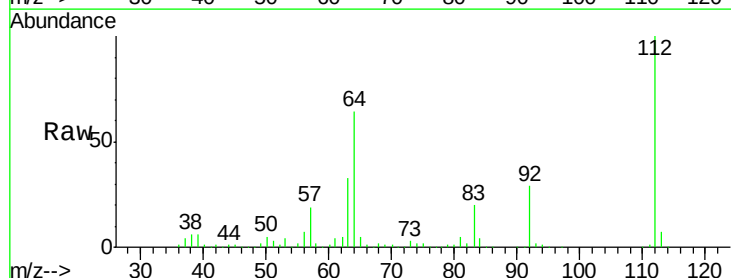
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



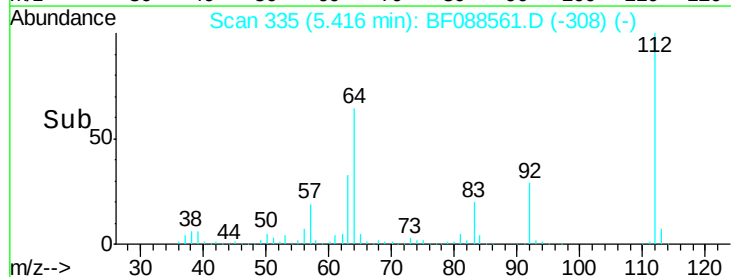
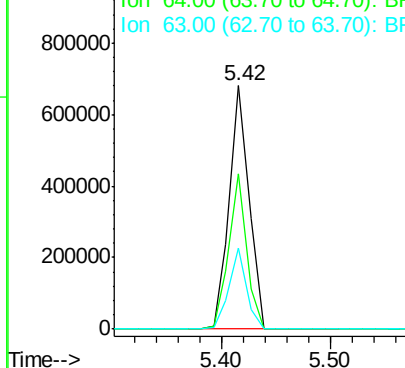
#5

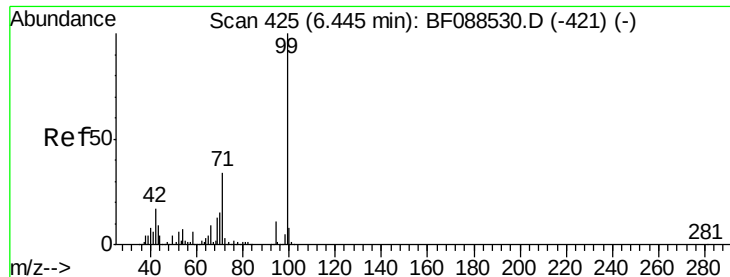
2-Fluorophenol
Concen: 87.69 ng
RT: 5.42 min Scan# 335
Delta R.T. 0.01 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	42.2	63.2#
63	33.2	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: 103.17 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088561.D

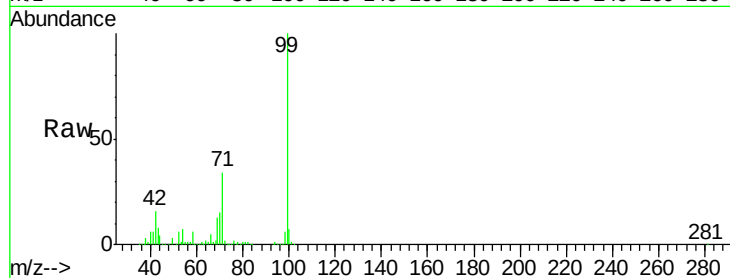
Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C



Tot Ion: 99 Resp: 1292622

Ion Ratio Lower Upper

99 100

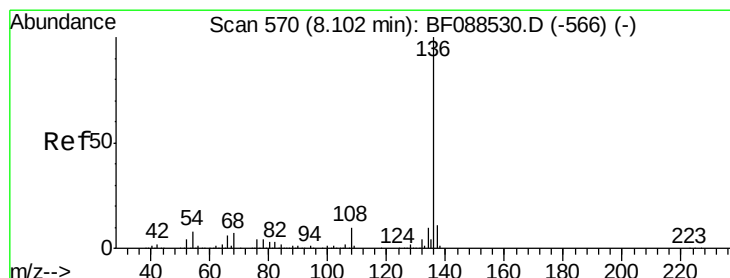
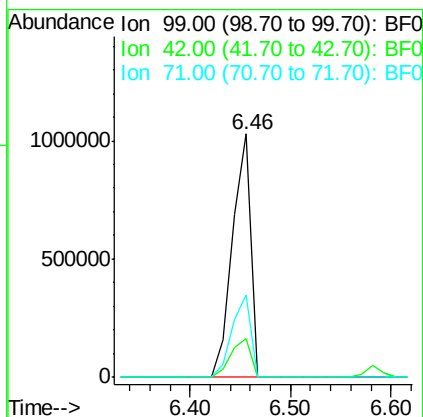
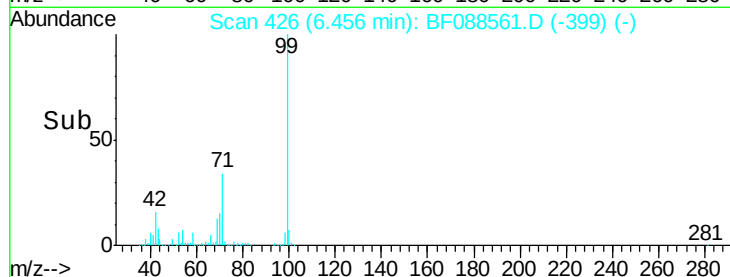
42 15.9 12.2 18.2

71 34.0 23.4 35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Tgt Ion: 136 Resp: 570099

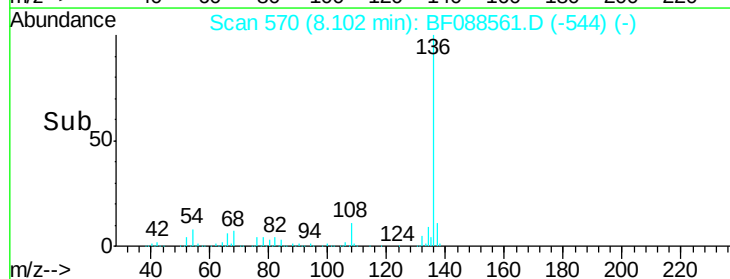
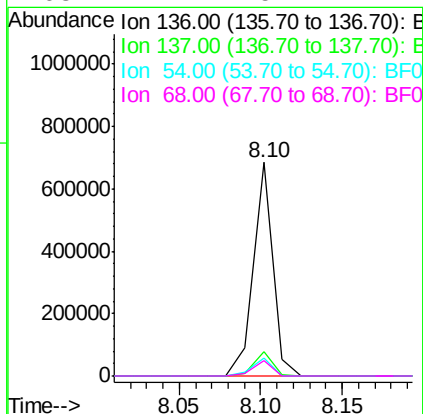
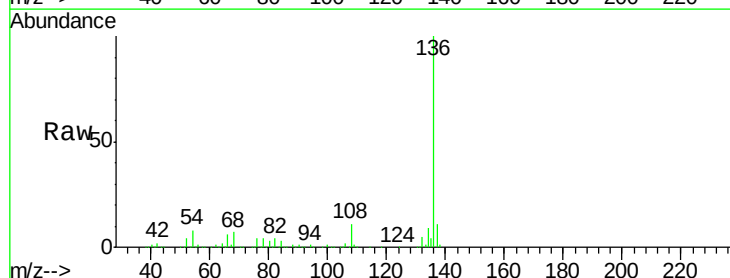
Ion Ratio Lower Upper

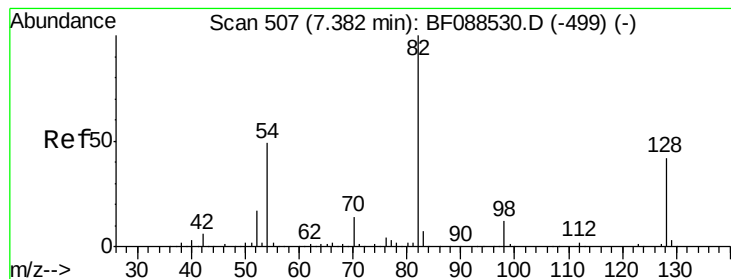
136 100

137 11.2 9.1 13.7

54 8.4 6.6 10.0

68 7.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 65.79 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

Tot Ion: 82 Resp: 715710

Ion Ratio Lower Upper

82 100

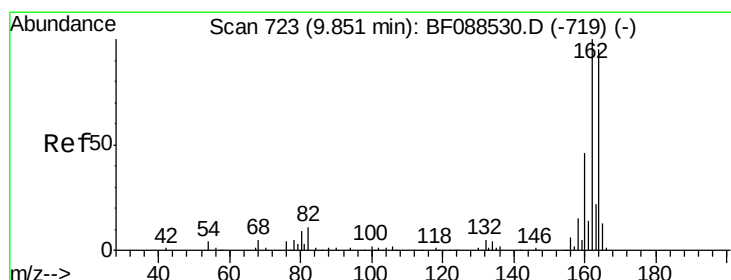
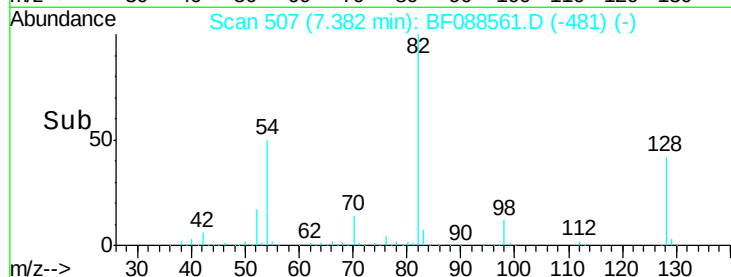
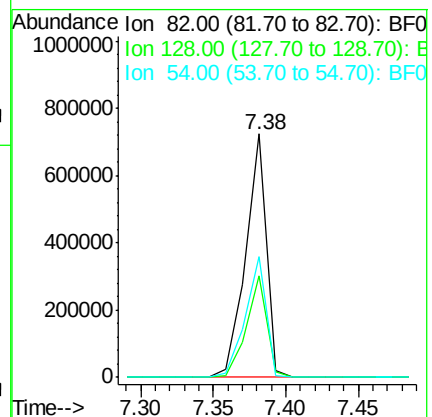
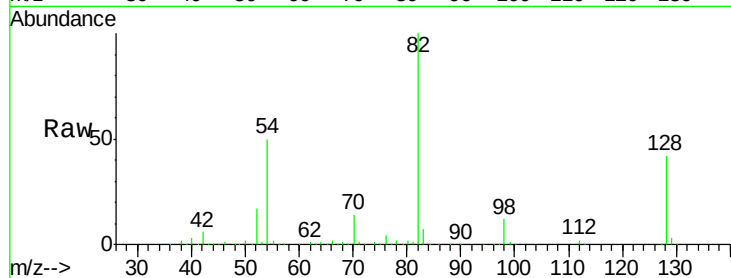
128 41.5 35.9 53.9

54 49.6 40.9 61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

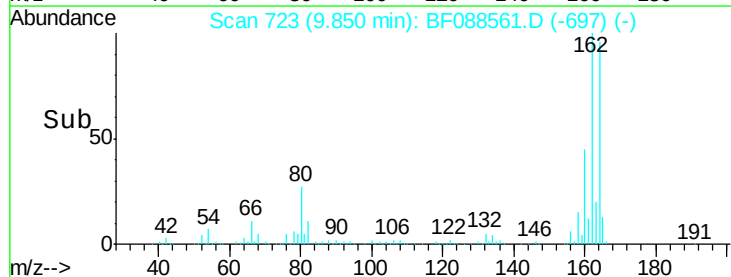
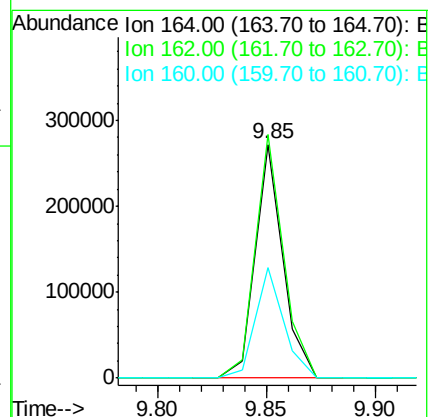
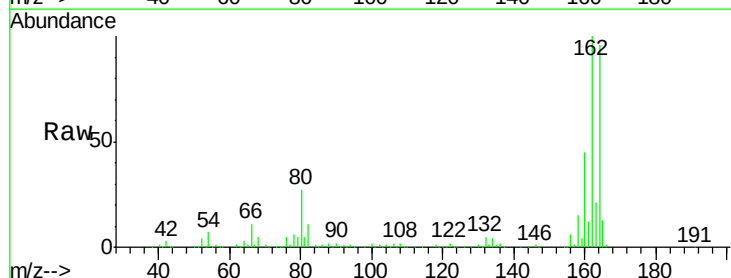
Tgt Ion:164 Resp: 238963

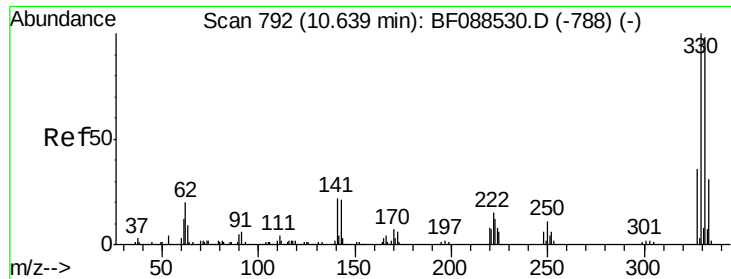
Ion Ratio Lower Upper

164 100

162 104.2 85.4 128.2

160 47.1 39.5 59.3





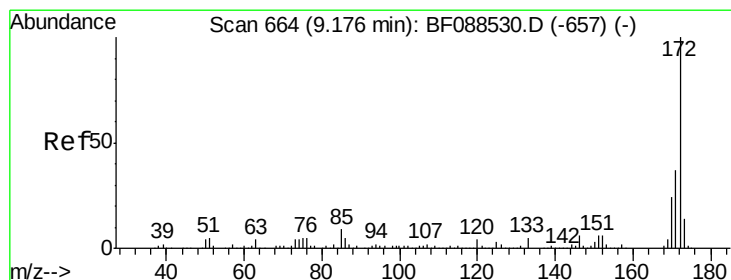
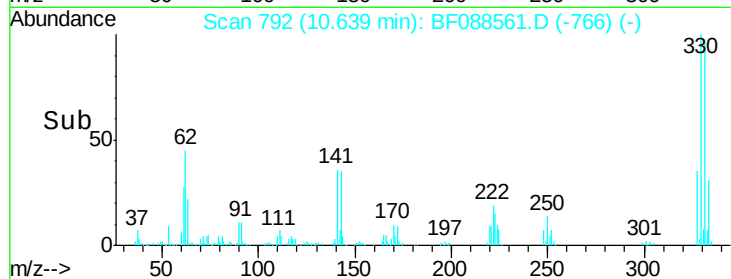
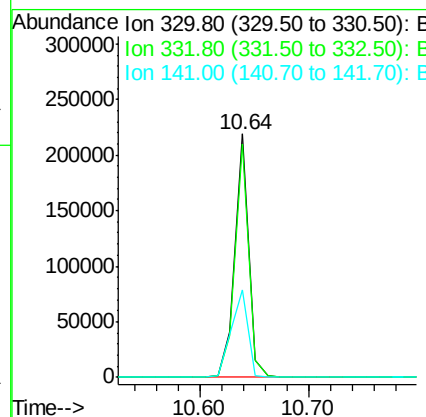
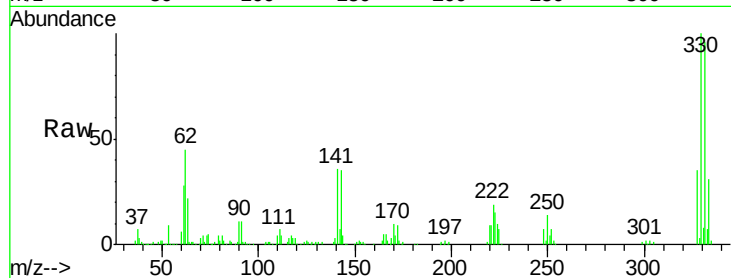
#41
 2,4,6-Tribromophenol
 Concen: 86.39 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	191695		
332	95.4	0.0	0.0	0.0
141	43.2	0.0	0.0	0.0

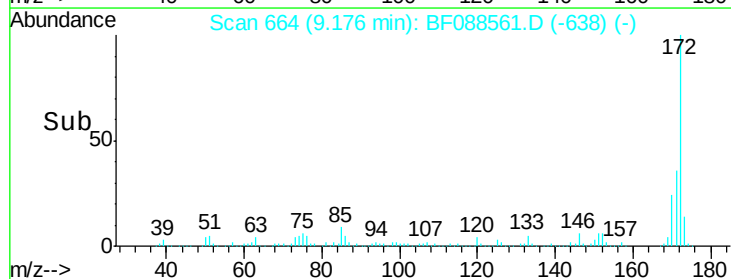
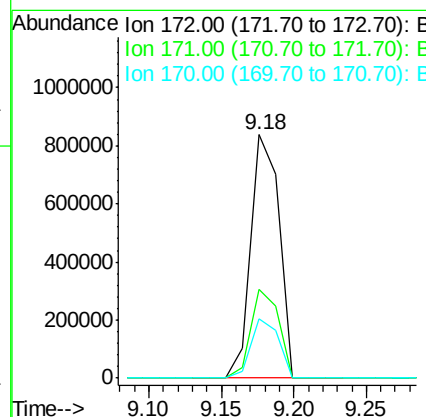
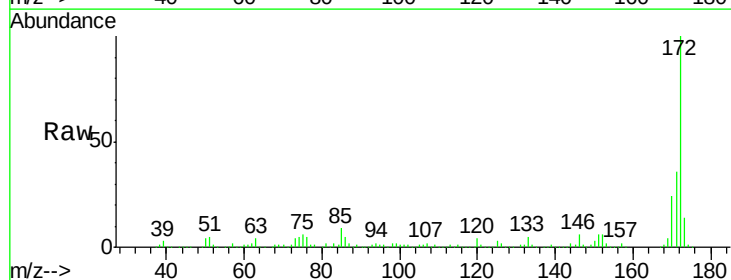
Manual Integrations

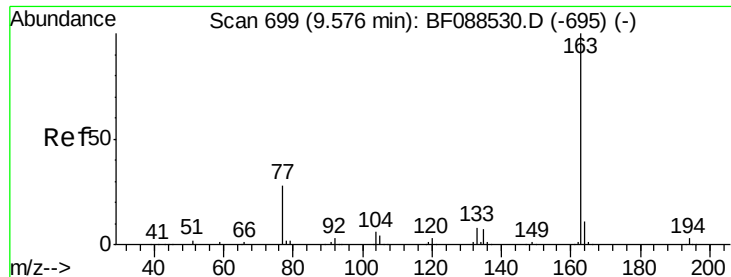
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#44
 2-Fluorobiphenyl
 Concen: 74.80 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1131598		
171	36.5	28.6	43.0	
170	24.3	19.2	28.8	





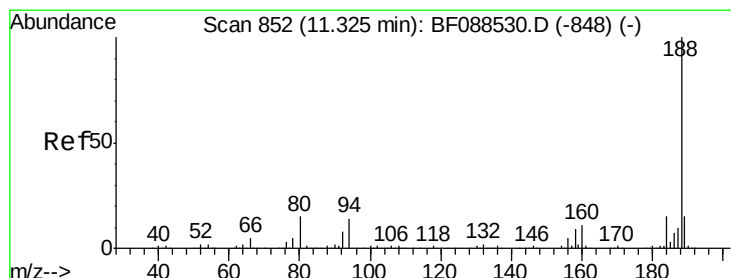
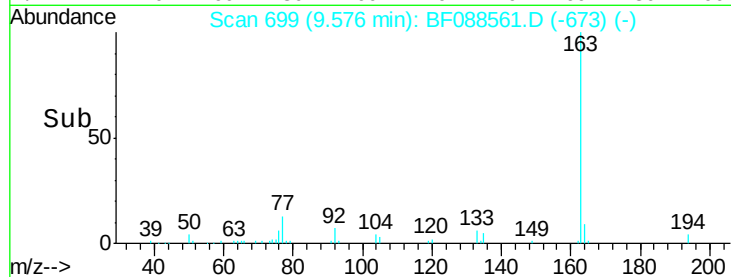
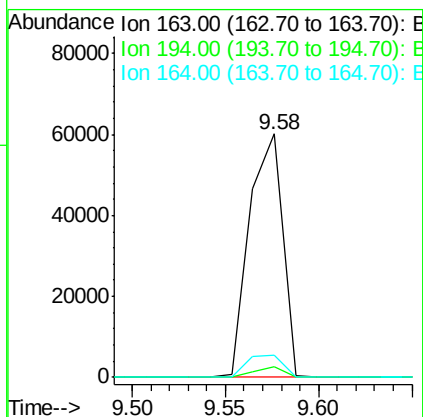
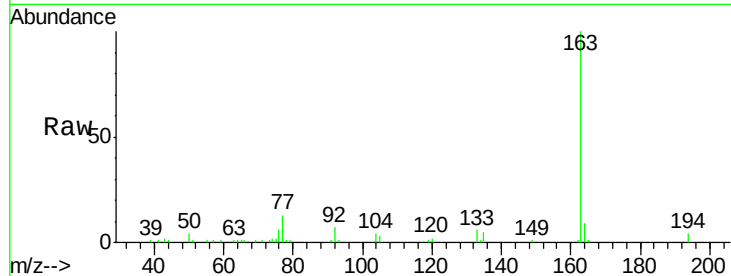
#49
Dimethylphthalate
Concen: 4.36 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.1	2.8	4.2	
164	9.3	8.3	12.5	

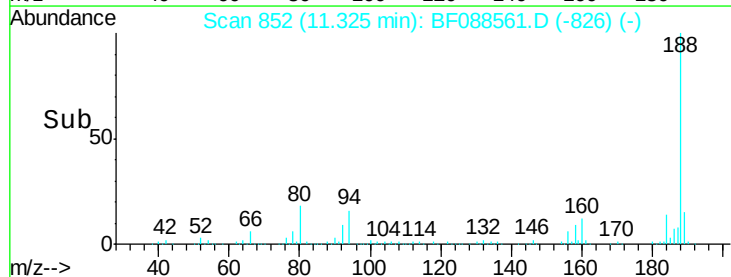
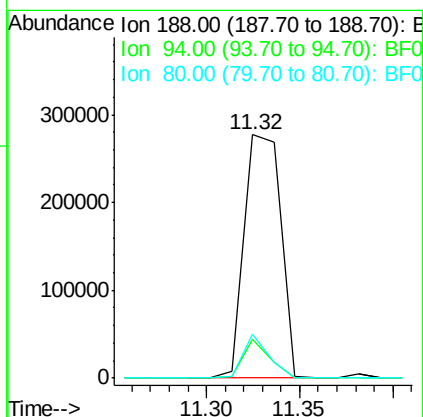
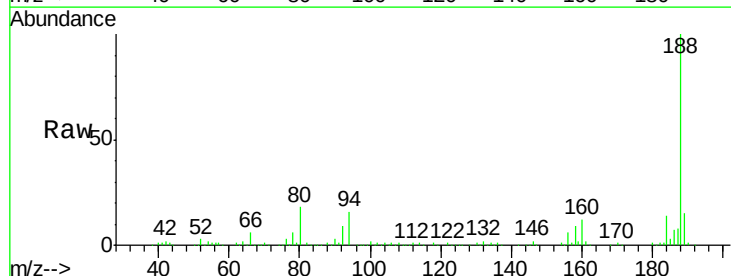
Manual Integrations

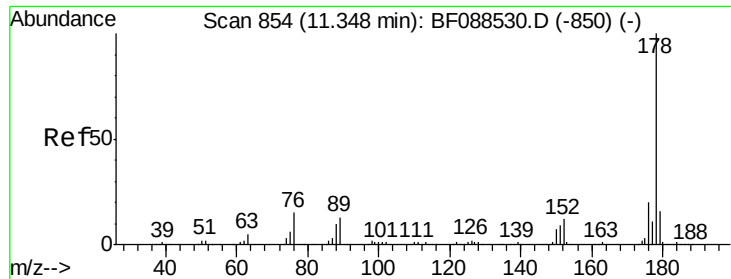
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	15.8	9.0	13.6#	
80	18.0	10.0	15.0#	





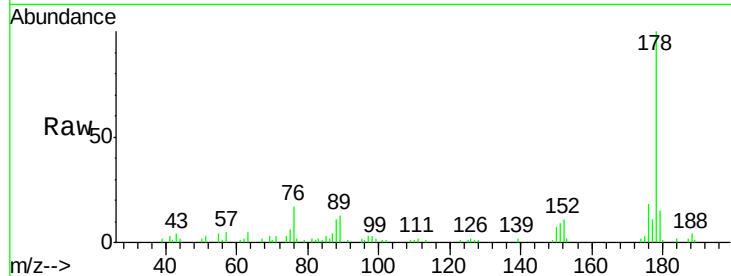
#70
Phenanthrene
Concen: 2.24 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

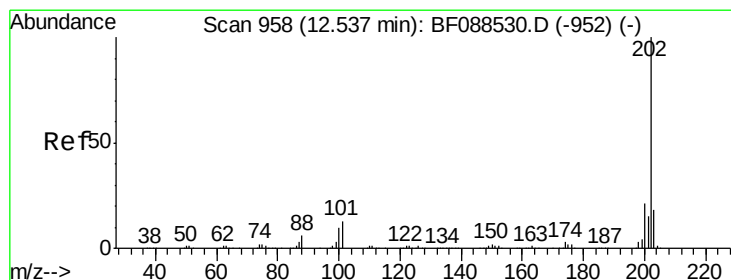
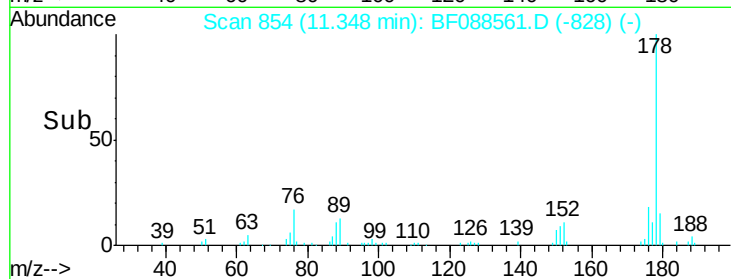
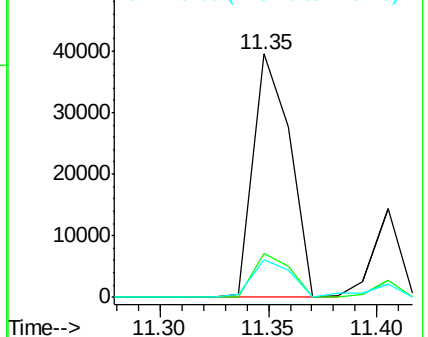
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.6
179	15.3	13.0	19.4

Manual Integrations

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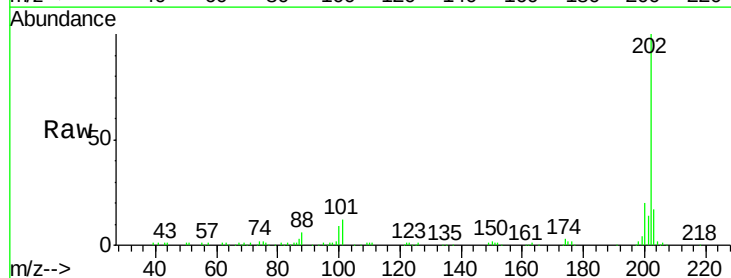


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

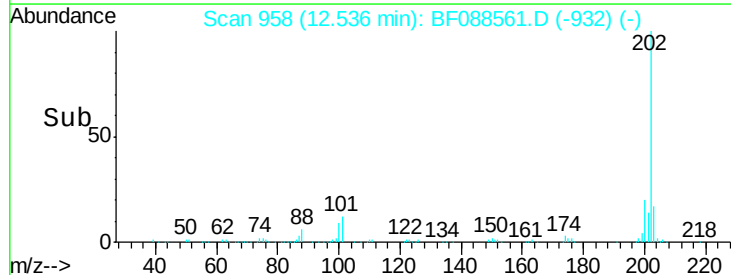
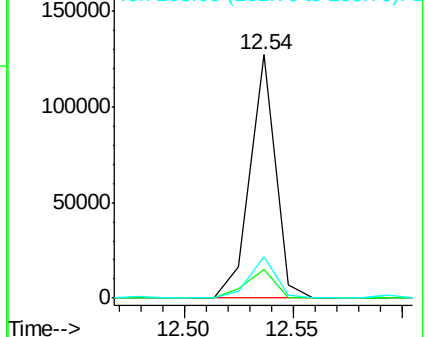


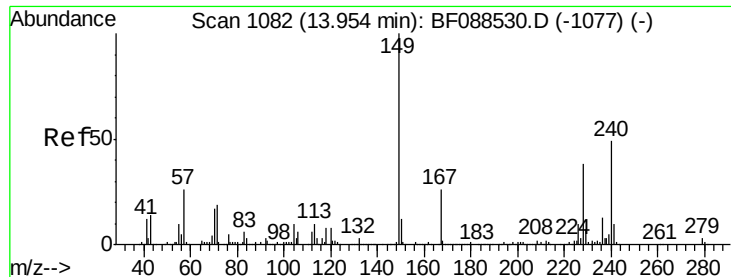
#74
Fluoranthene
Concen: 4.90 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.1
203	17.0	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: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

Tot Ion:240 Resp: 270732

Ion Ratio Lower Upper

240 100

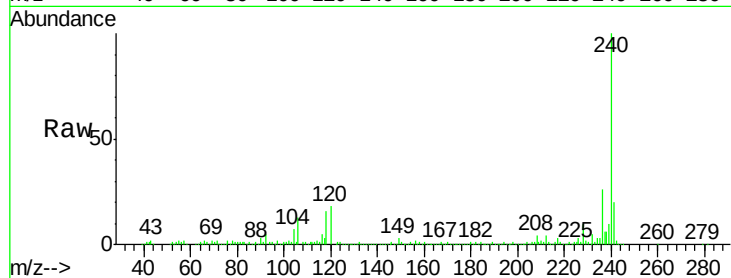
120 18.1 6.8 10.2#

236 25.9 20.2 30.2

Manual Integrations

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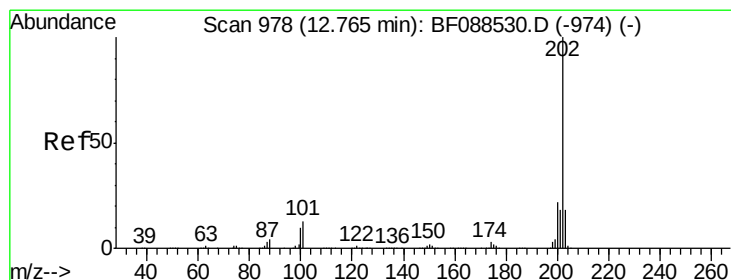
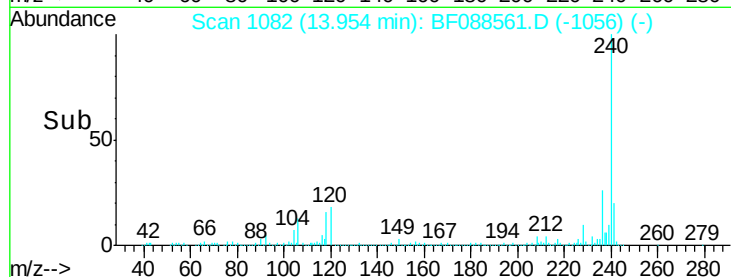
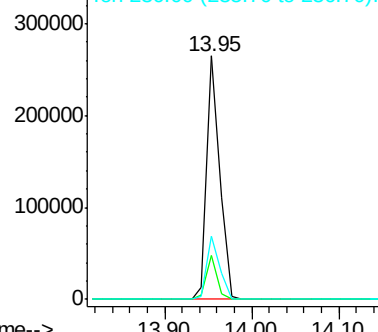
7/1/2016 8:06:40 AM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.38 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

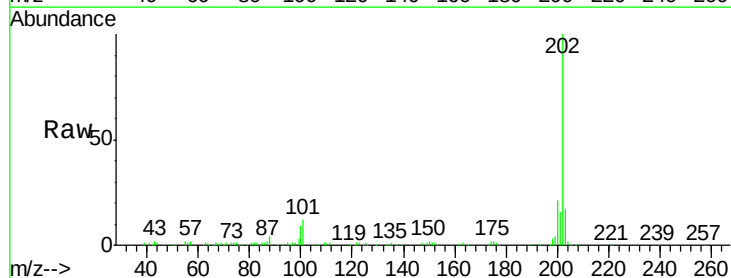
Tgt Ion:202 Resp: 100614

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

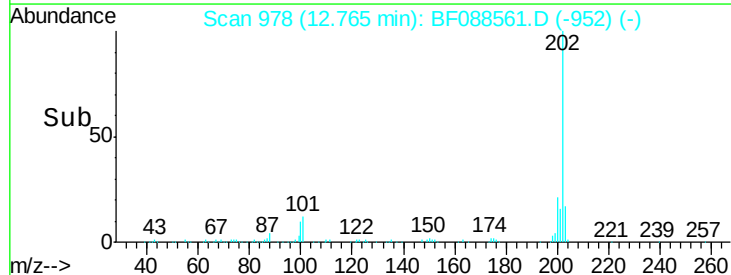
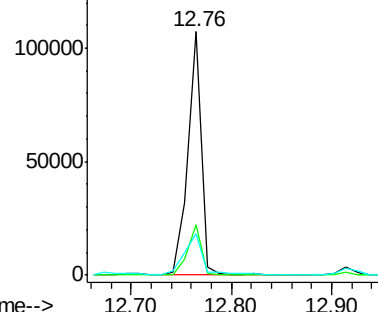
203 17.1 14.5 21.7

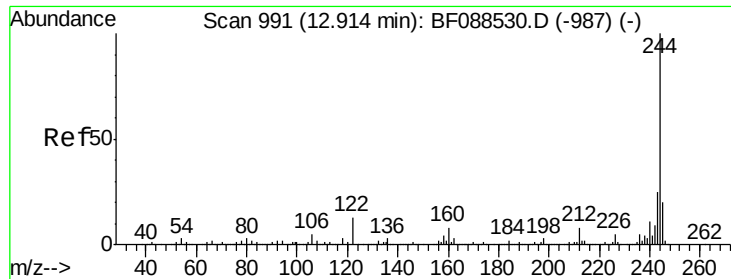


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





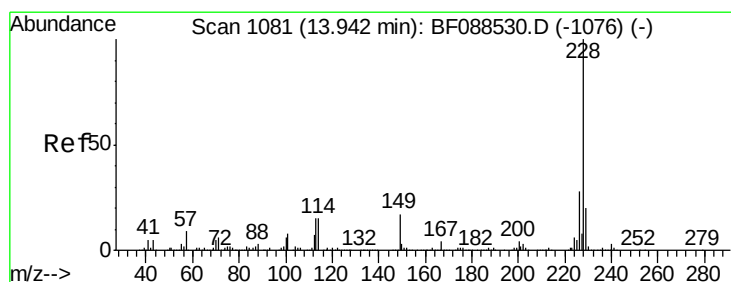
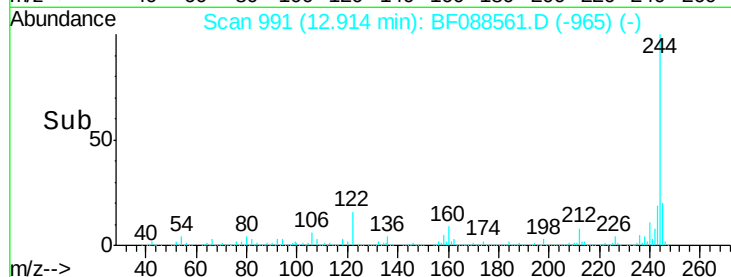
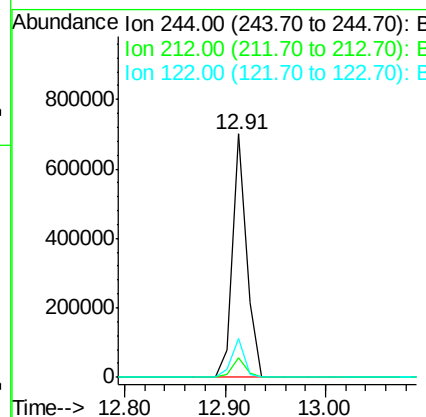
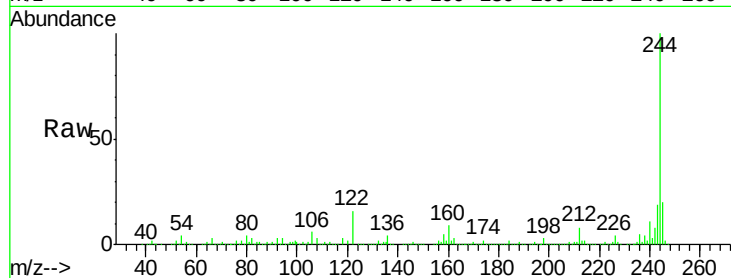
#78
 Terphenyl-d14
 Concen: 56.65 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	16.1	11.2	16.8

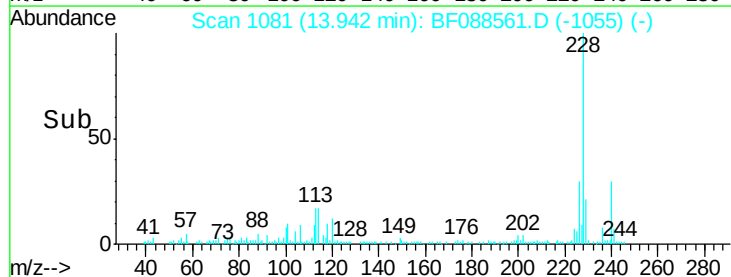
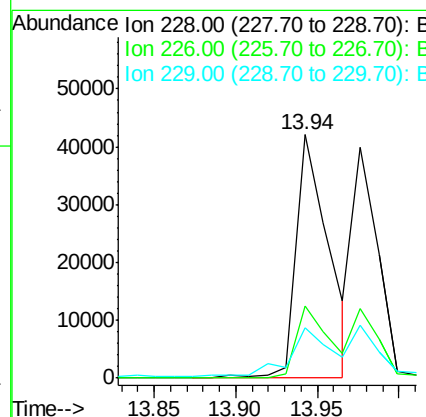
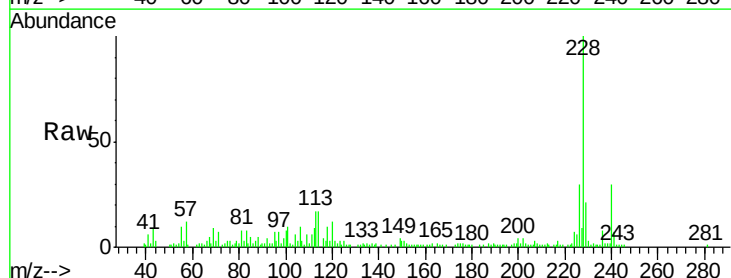
Manual Integrations

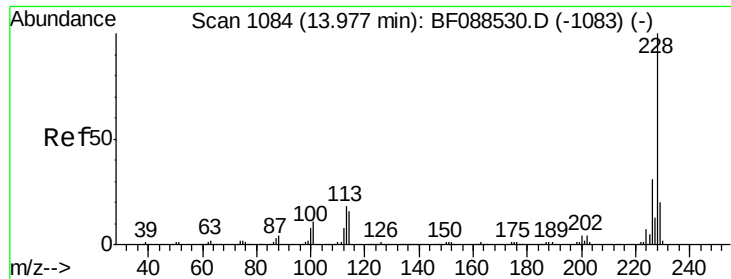
SOHIL
 7/1/2016 8:06:40 AM



#80
 Benzo(a)anthracene
 Concen: 3.37 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.3	33.5
229	20.6	16.0	24.0





#82

Chrysene

Concen: 2.52 ng/mL

RT: 13.98 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF088561.D

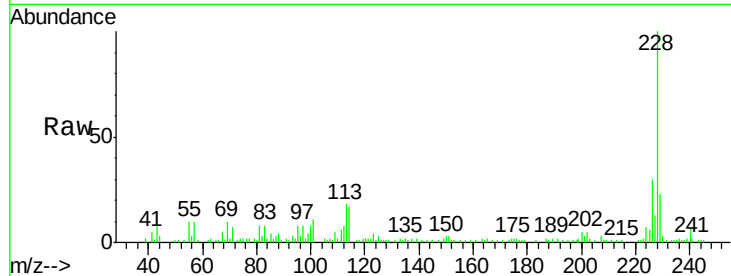
Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

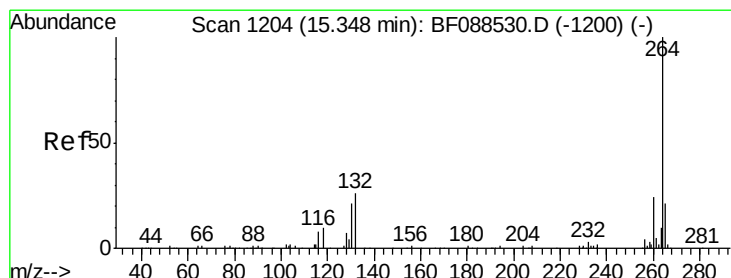
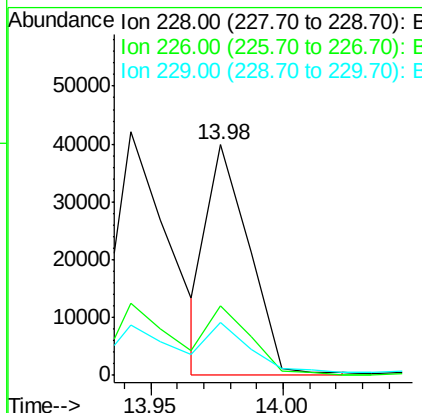
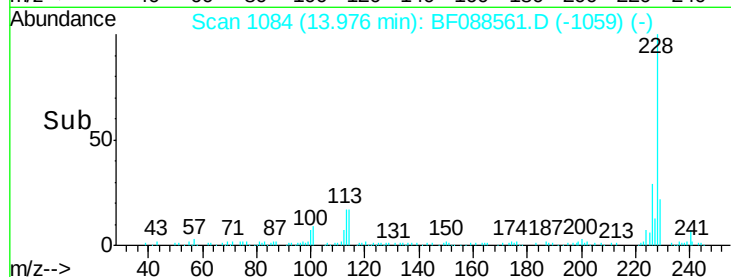


Tot Ion:	228	Resp:	43420
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	23.2	16.3	24.5

Manual Integrations

SOHIL

7/1/2016 8:06:40 AM



#86

Perylene-d12

Concen: 20.00 ng/mL

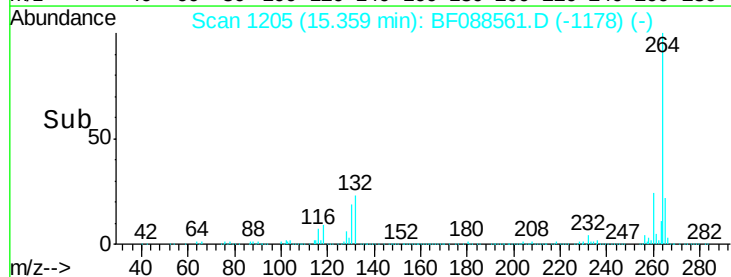
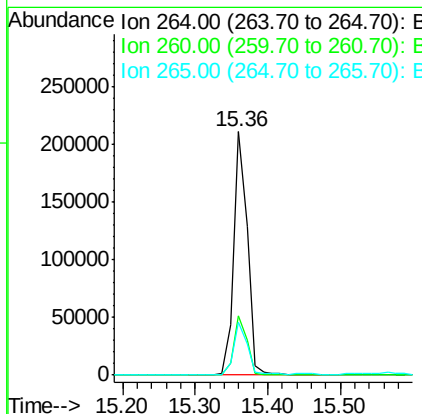
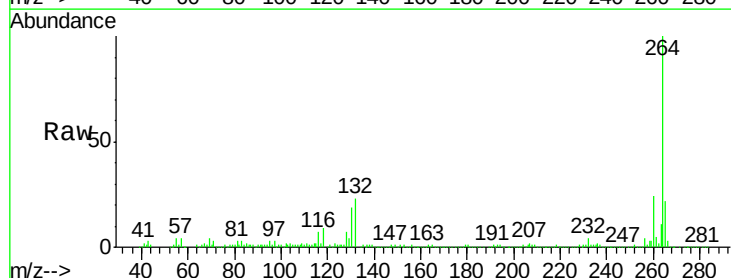
RT: 15.36 min Scan# 1205

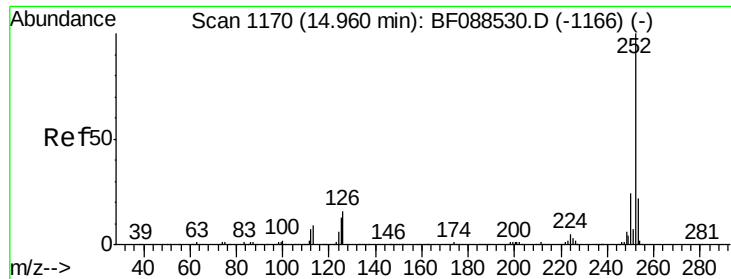
Delta R.T. 0.01 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Tgt Ion:	264	Resp:	275598
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.7	16.9	25.3





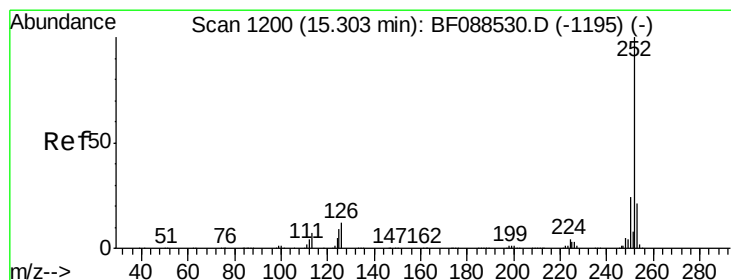
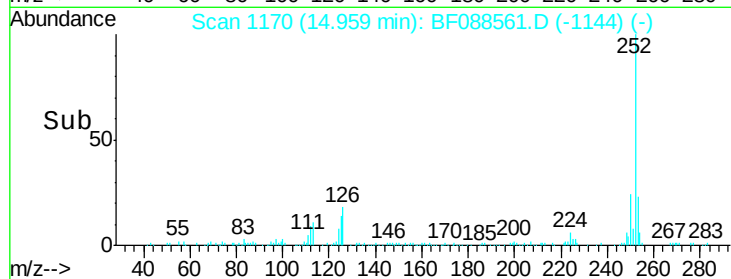
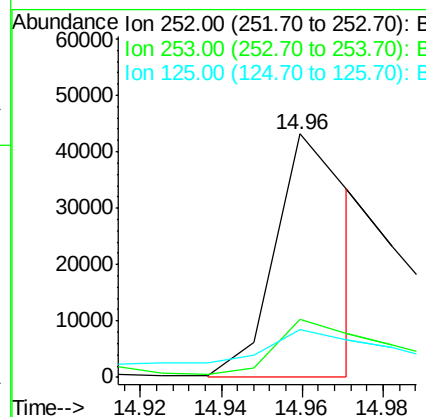
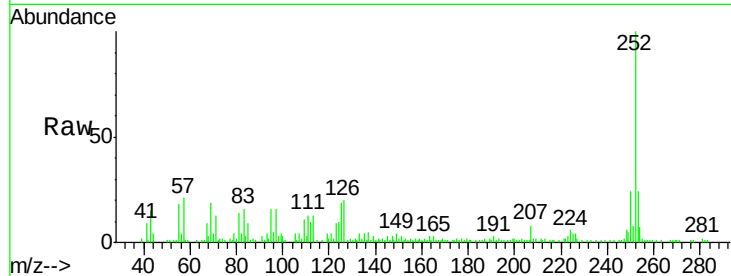
#87
Benzo(b)fluoranthene
Concen: 3.28 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	19.5	7.1	10.7

Manual Integrations

APPROVED
SOHIL
7/1/2016 8:06:40 AM



#89
Benzo(a)pyrene
Concen: 2.96 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	17.3	12.5	18.7

