

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089068.D
 Acq On : 16 Jul 2016 21:43
 Operator : UM/SJ
 Sample : H4018-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F9-B3(0-5)C

Manual Integrations

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Quant Time: Jul 18 03:06:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	50208	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	219637	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	80256	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	122219	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	100693	20.00	ng	-0.03
86) Perylene-d12	15.19	264	69190	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	332754	99.33	ng	-0.02
7) Phenol-d6	6.33	99	466670	107.81	ng	-0.02
23) Nitrobenzene-d5	7.23	82	230539	55.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	50536	67.81	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	450439	88.65	ng	-0.03
78) Terphenyl-d14	12.78	244	291825	64.55	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.43	163	89415	15.64	ng	Qvalue 99
70) Phenanthrene	11.21	178	25548	3.82	ng	98
74) Fluoranthene	12.39	202	54337	8.02	ng	98
77) Pyrene	12.62	202	50696	5.94	ng	99
80) Benzo(a)anthracene	13.81	228	24307m	3.75	ng	
82) Chrysene	13.84	228	23220m	3.62	ng	
83) Bis(2-ethylhexyl)phthalate	13.82	149	31974	7.35	ng	93
85) Indeno(1,2,3-cd)pyrene	16.47	276	10673	2.16	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	26818m	6.18	ng	
88) Benzo(k)fluoranthene	14.83	252	9228m	2.44	ng	
89) Benzo(a)pyrene	15.13	252	15912	4.33	ng	# 93
91) Benzo(a,h,i)perylene	16.86	276	9827	3.09	ng	93

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

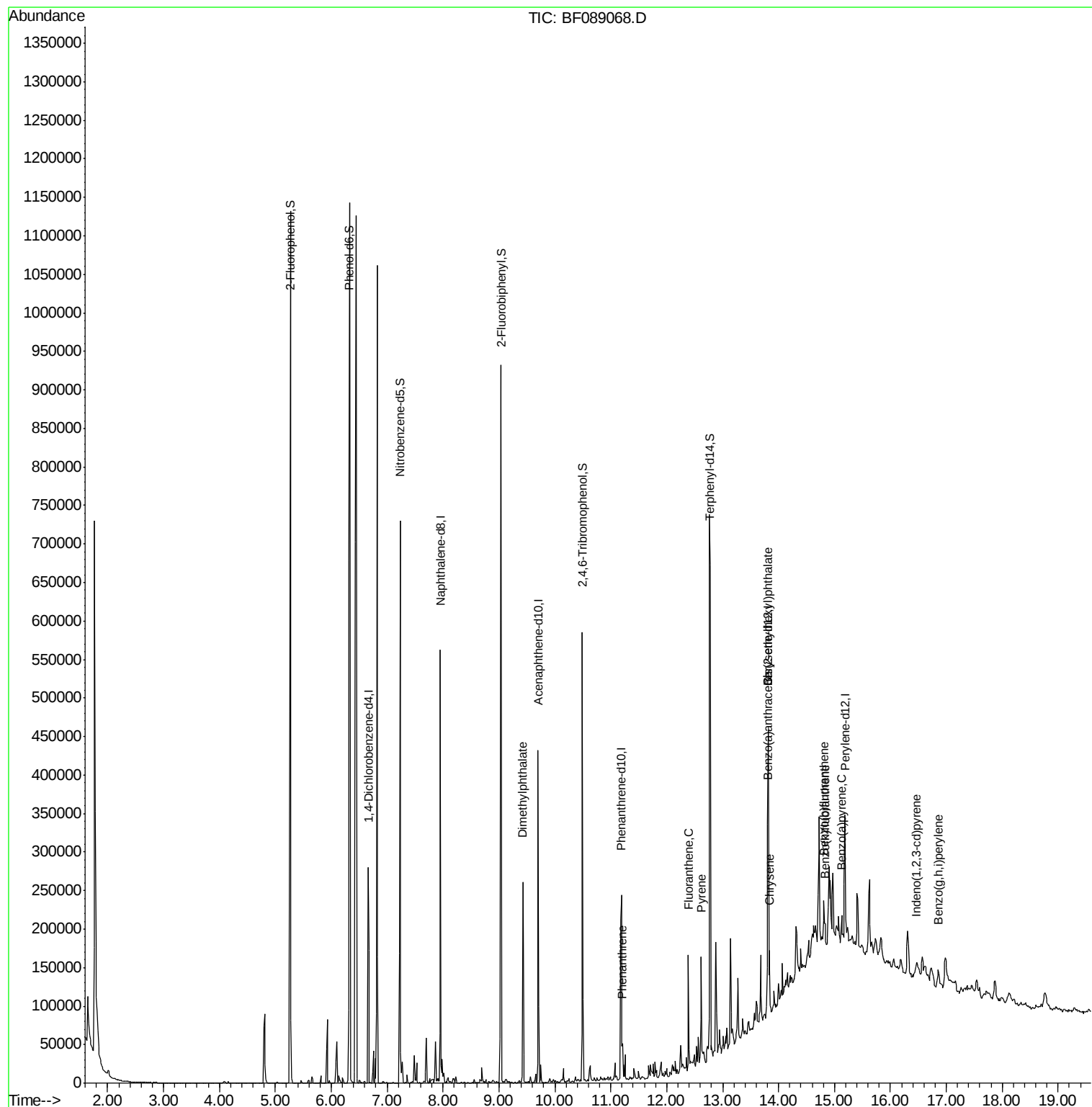
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089068.D
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Operator : UM/SJ
Sample : H4018-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

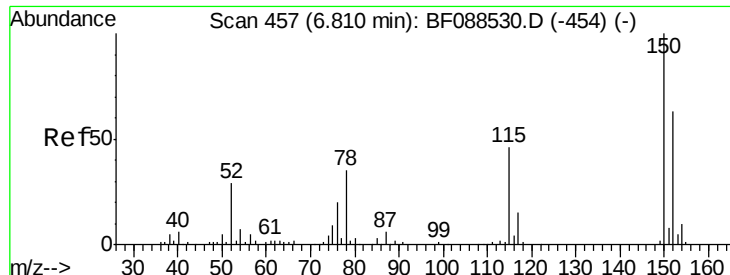
Instrument :
BNA_F
ClientSampleId :
F9-B3(0-5)C

Manual Integrations

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Quant Time: Jul 18 03:06:52 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43

Instrument :

BNA_F

ClientSampleId :

F9-B3(0-5)C

Tot Ion:152 Resp: 50208

Ion Ratio Lower Upper

152 100

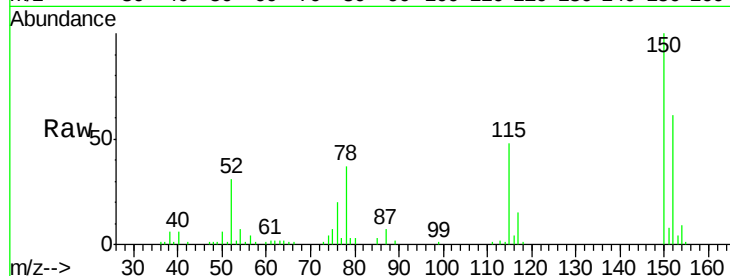
150 163.3 123.8 185.6

115 79.0 39.6 59.4#

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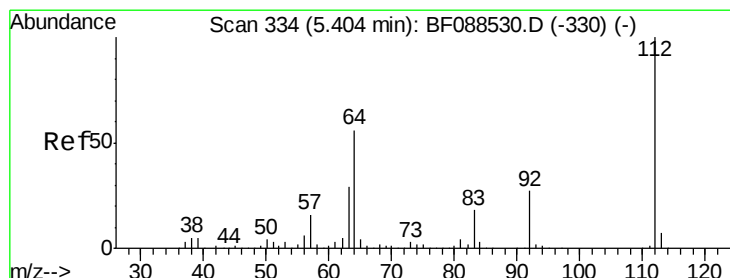
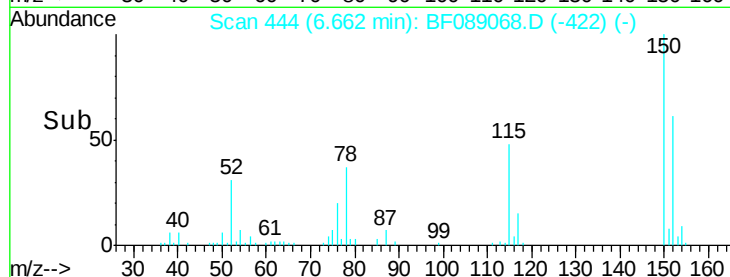
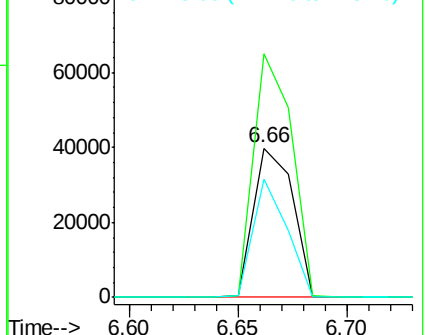
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 99.33 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43

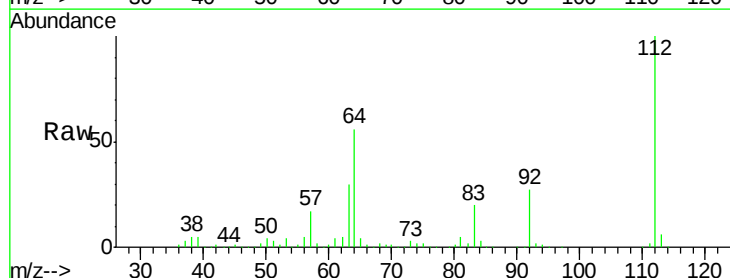
Tgt Ion:112 Resp: 332754

Ion Ratio Lower Upper

112 100

64 55.9 42.2 63.2

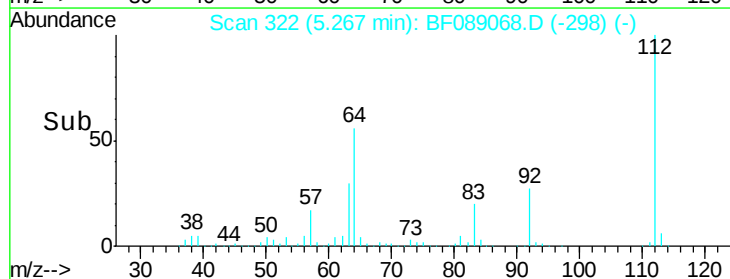
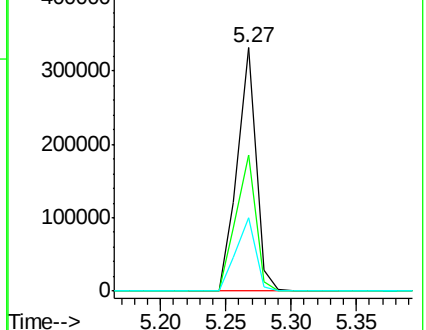
63 29.9 21.8 32.8

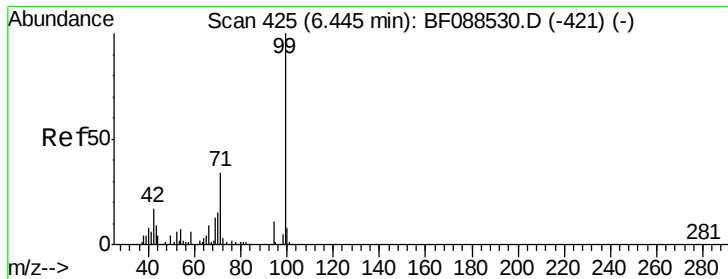


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.81 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089068.D

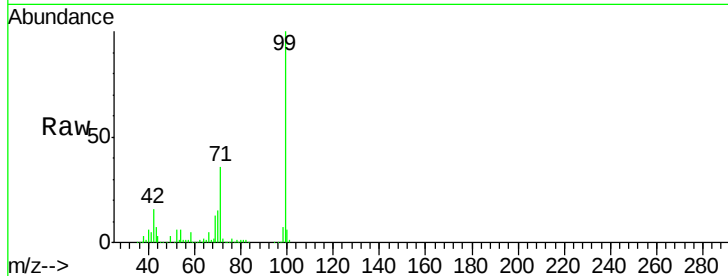
Acq: 16 Jul 2016 21:43

Instrument :

BNA_F

ClientSampled :

F9-B3(0-5)C



Tot Ion: 99 Resp: 466670

Ion Ratio Lower Upper

99 100

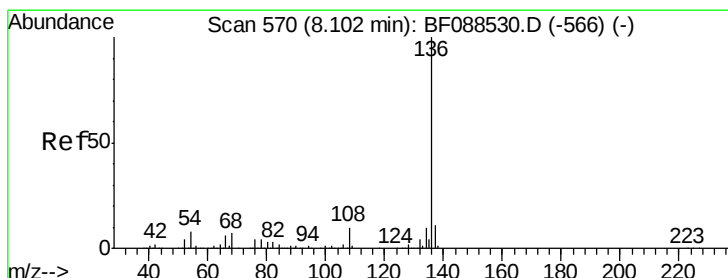
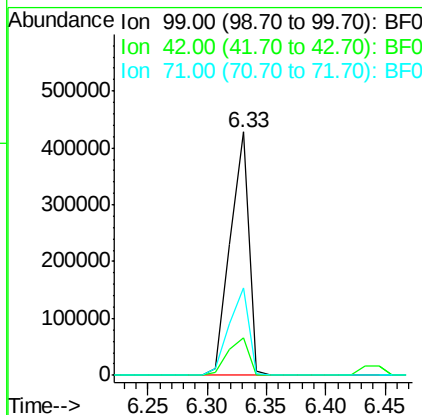
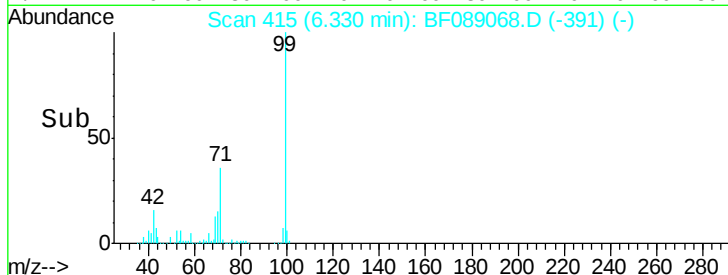
42 15.6 12.2 18.2

71 35.8 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43

Tgt Ion: 136 Resp: 219637

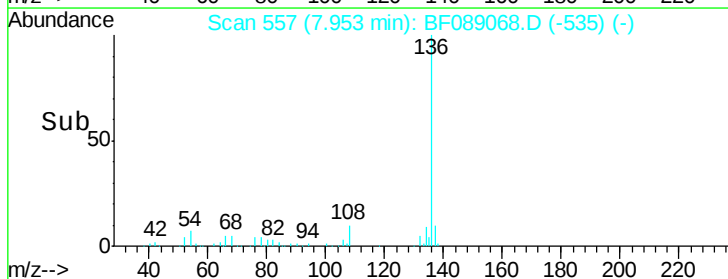
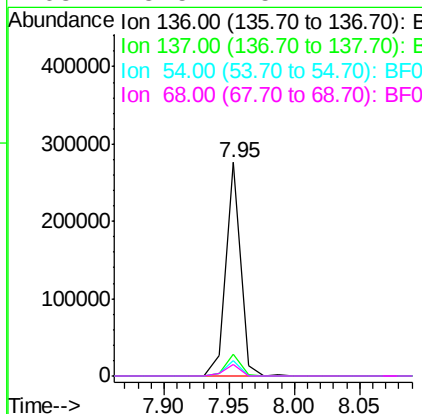
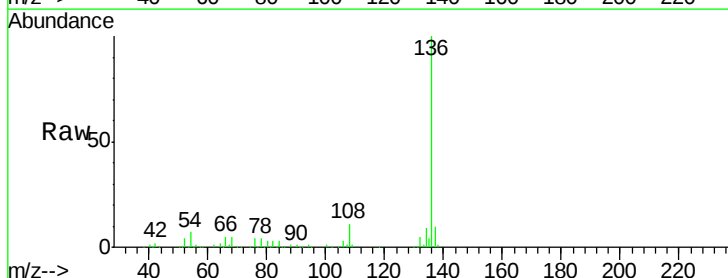
Ion Ratio Lower Upper

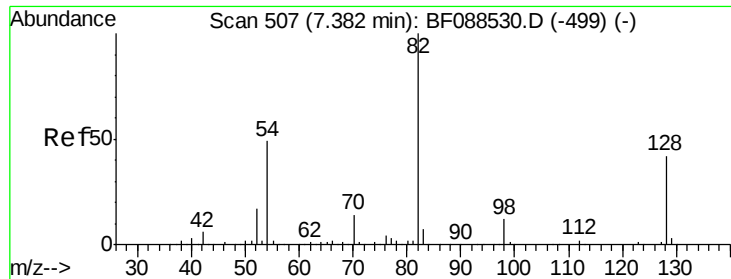
136 100

137 10.5 9.1 13.7

54 7.2 6.6 10.0

68 5.5 5.1 7.7





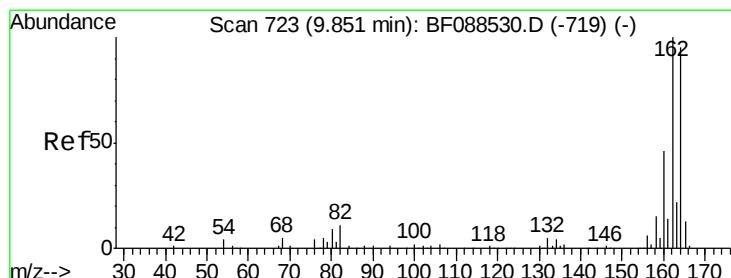
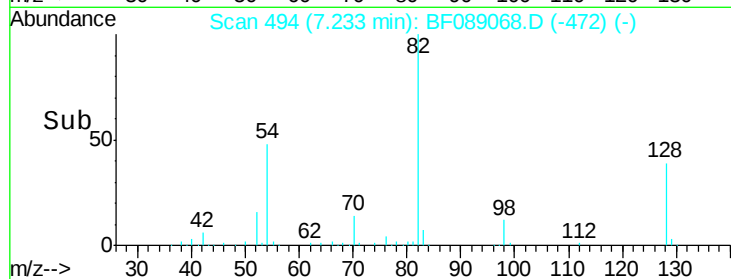
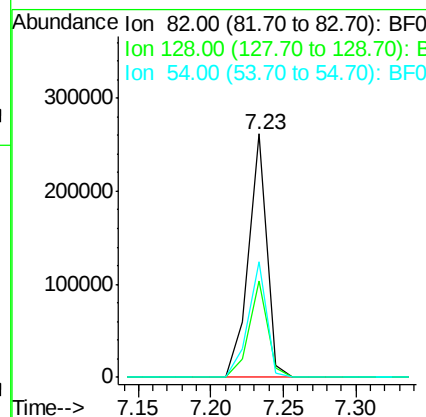
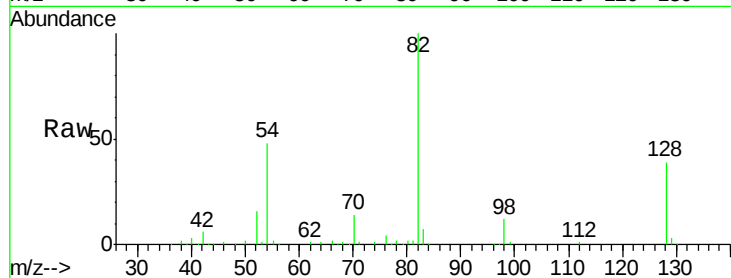
#23
 Nitrobenzene-d5
 Concen: 55.01 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.05 min
 Lab File: BF089068.D
 Acq: 16 Jul 2016 21:43

Instrument :
 BNA_F
 ClientSampleId :
 F9-B3(0-5)C

Tot Ion	82	Resp	230539
Ion Ratio	100	Lower	Upper
82	100		
128	39.5	35.9	53.9
54	47.7	40.9	61.3

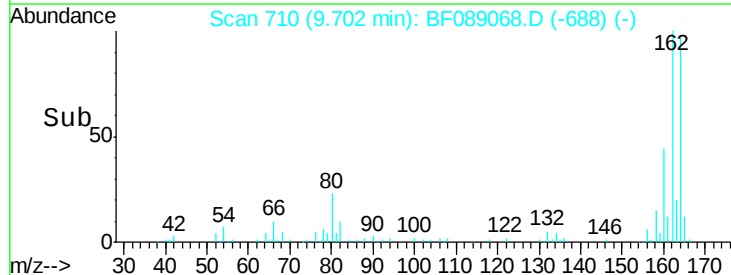
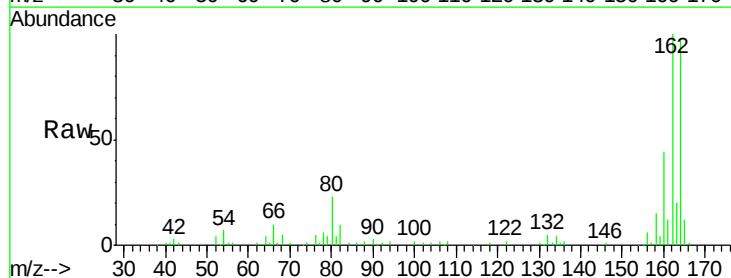
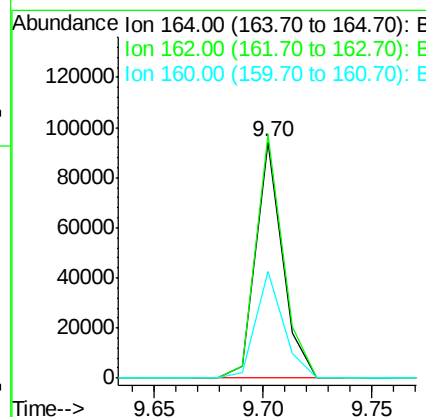
Manual Integrations

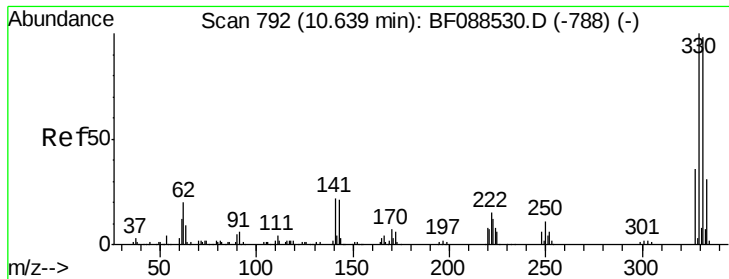
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF089068.D
 Acq: 16 Jul 2016 21:43

Tgt Ion	164	Resp	80256
Ion Ratio	100	Lower	Upper
164	100		
162	103.0	85.4	128.2
160	45.1	39.5	59.3





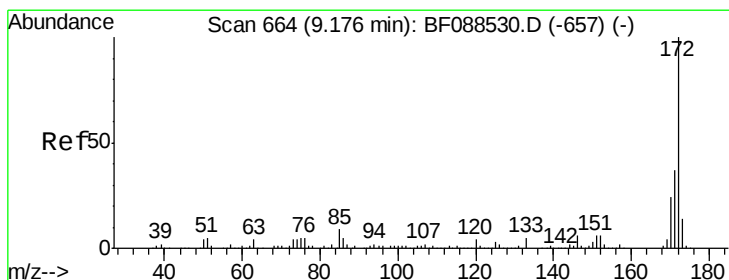
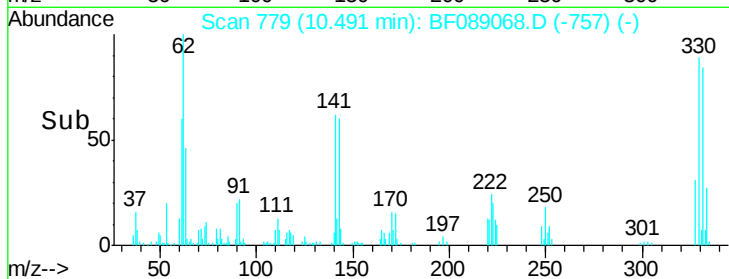
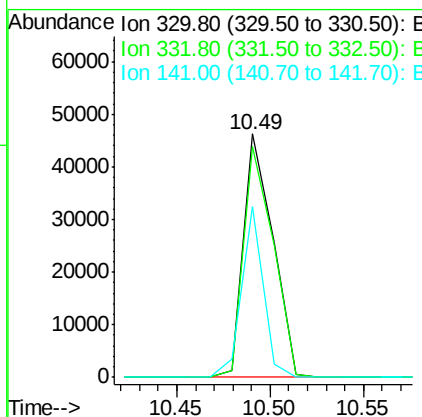
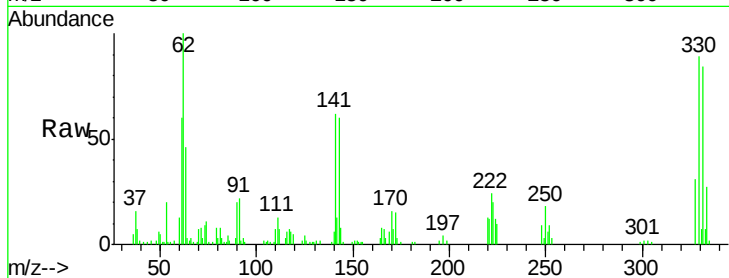
#41
 2,4,6-Tribromophenol
 Concen: 67.81 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089068.D
 Acq: 16 Jul 2016 21:43

Instrument :
 BNA_F
 ClientSampleId :
 F9-B3(0-5)C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	50536		
332	96.0	0.0	0.0	0.0
141	51.7	0.0	0.0	0.0

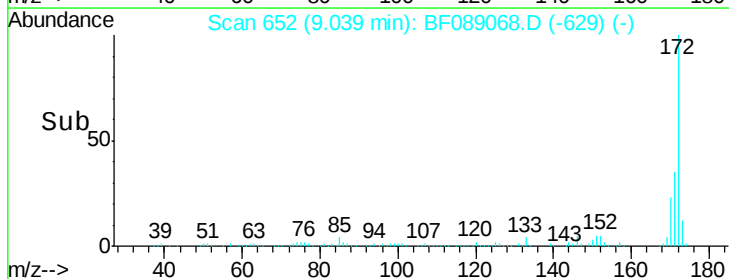
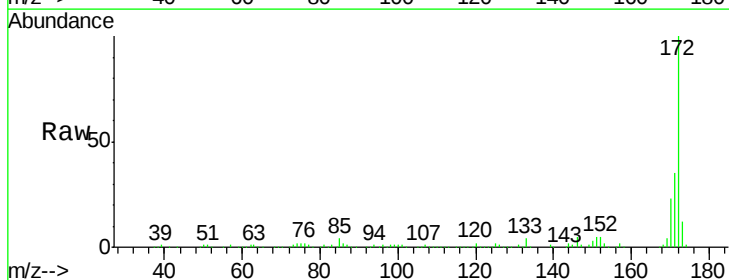
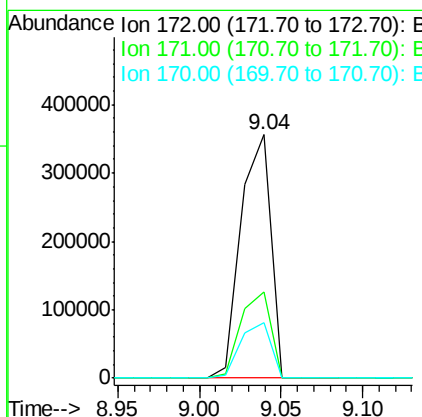
Manual Integrations

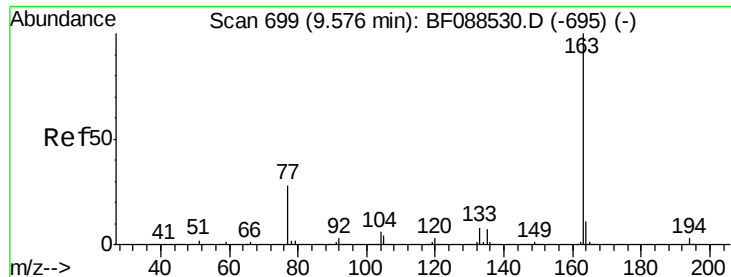
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#44
 2-Fluorobiphenyl
 Concen: 88.65 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089068.D
 Acq: 16 Jul 2016 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	450439		
171	35.4	28.6	43.0	
170	22.7	19.2	28.8	





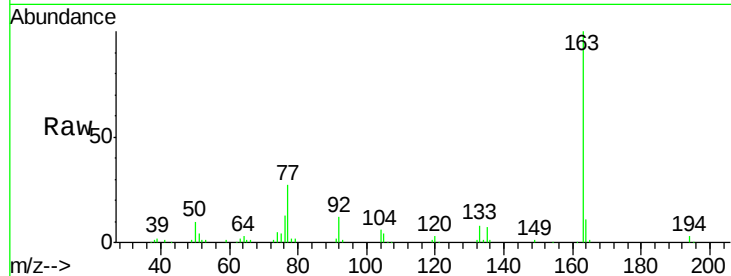
#49
Dimethylphthalate
Concen: 15.64 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Instrument :
BNA_F
ClientSampleId :
F9-B3(0-5)C

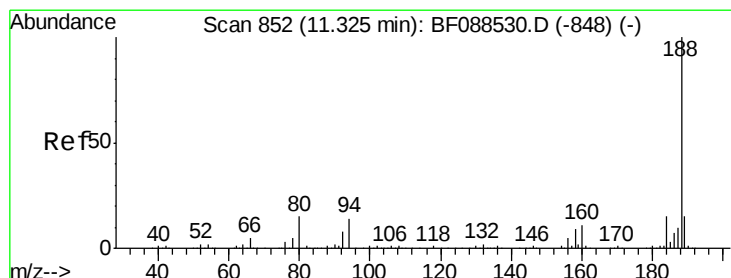
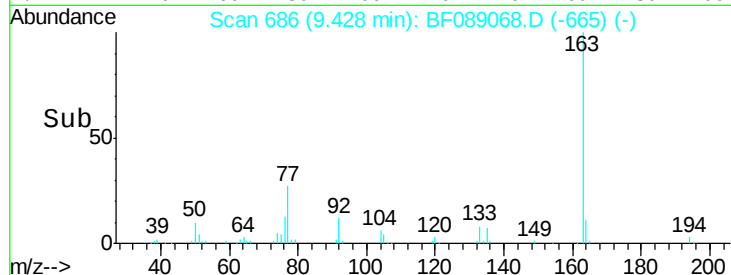
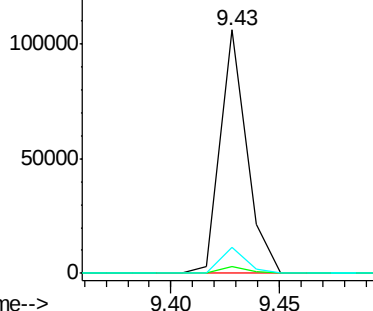
Tot Ion:163 Resp: 89415
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.6 8.3 12.5

Manual Integrations

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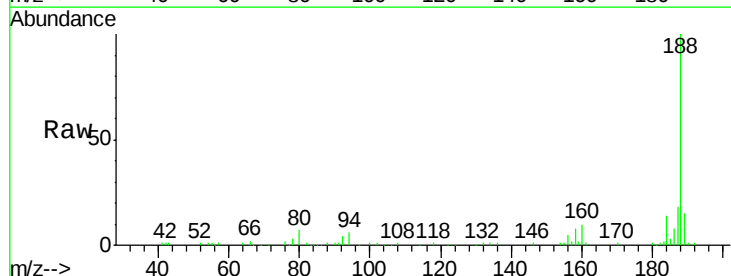


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

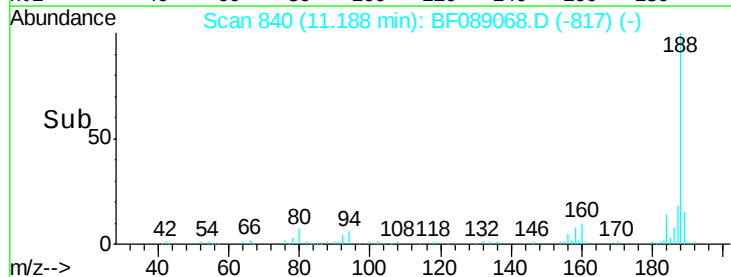
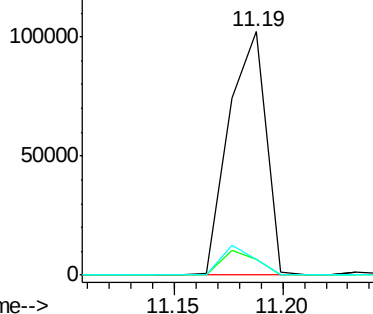


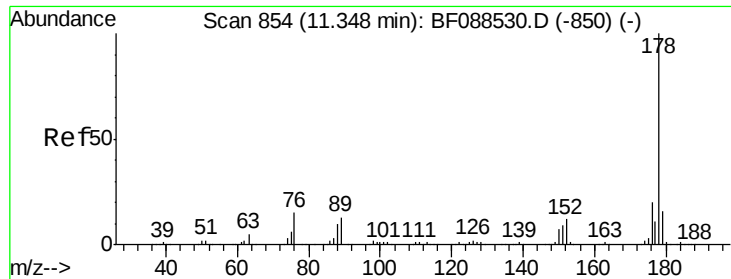
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Tgt Ion:188 Resp: 122219
Ion Ratio Lower Upper
188 100
94 6.3 9.0 13.6#
80 6.7 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





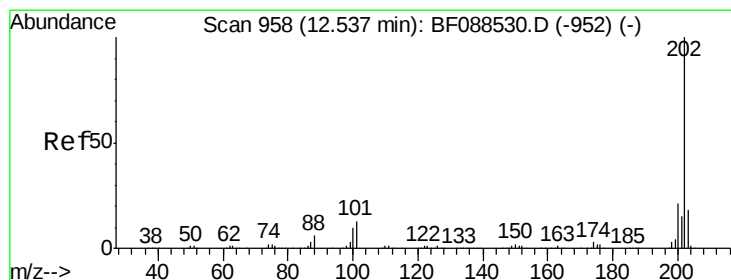
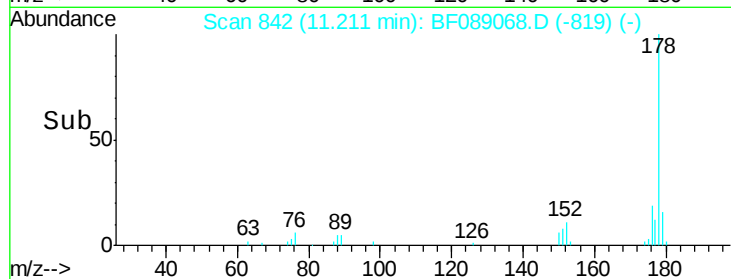
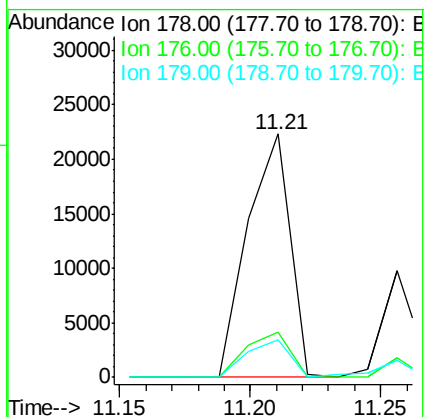
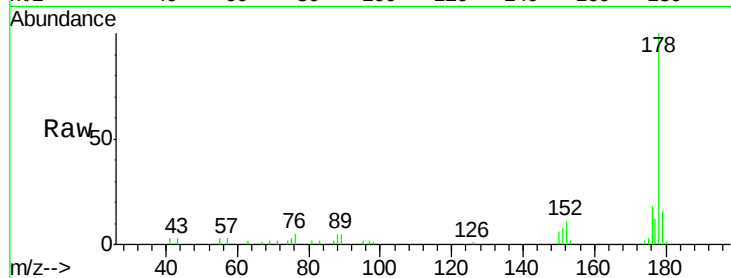
#70
Phenanthrene
Concen: 3.82 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Instrument :
BNA_F
ClientSampleId :
F9-B3(0-5)C

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.5	15.8	23.6	
179	15.5	13.0	19.4	

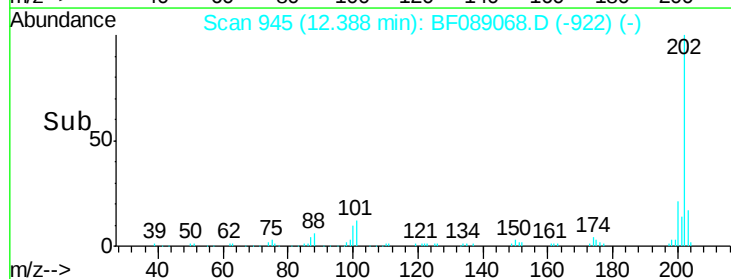
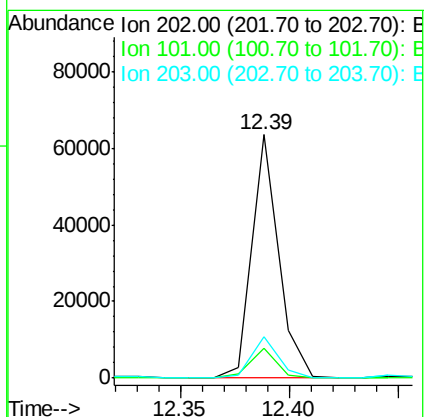
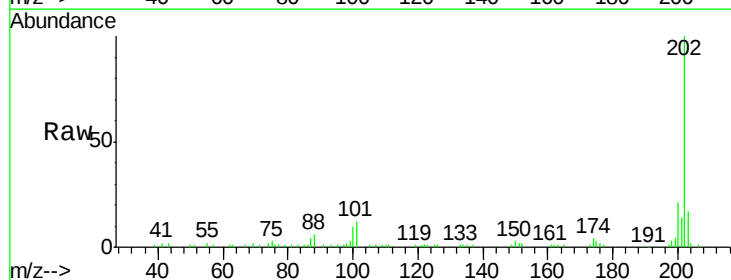
Manual Integrations

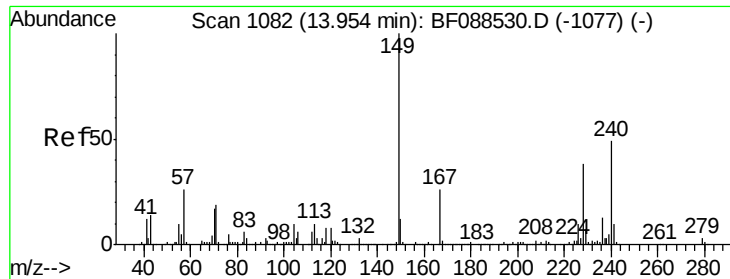
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#74
Fluoranthene
Concen: 8.02 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.03 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	12.1	0.0	33.1	
203	17.2	0.0	38.1	





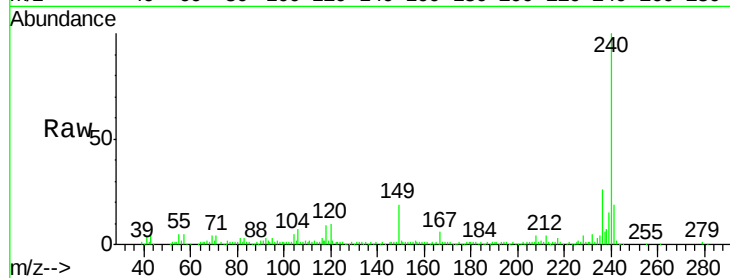
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Instrument :
BNA_F
ClientSampled :
F9-B3(0-5)C

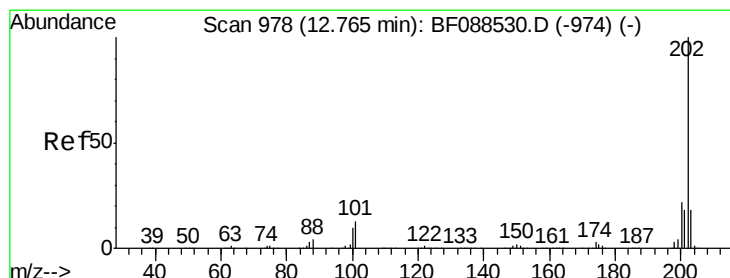
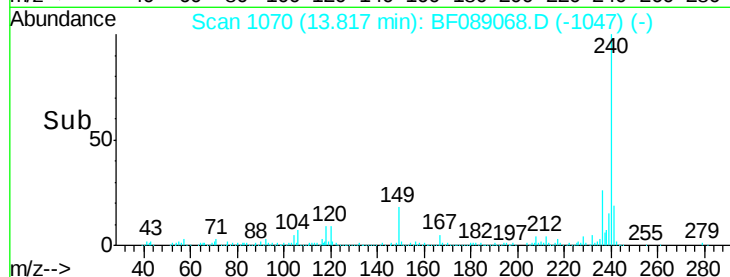
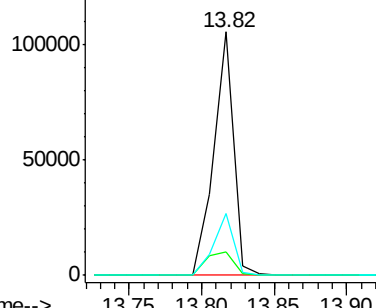
Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100		100693		
120	9.7	6.8	10.2		
236	25.6	20.2	30.2		

Manual Integrations

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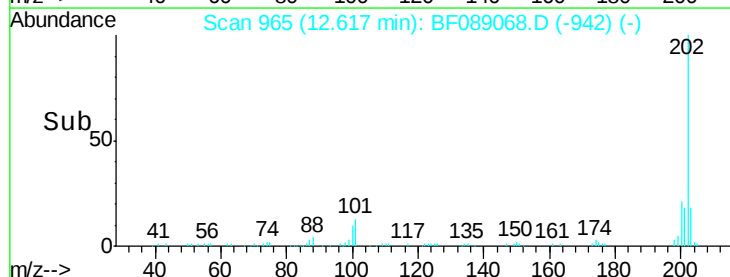
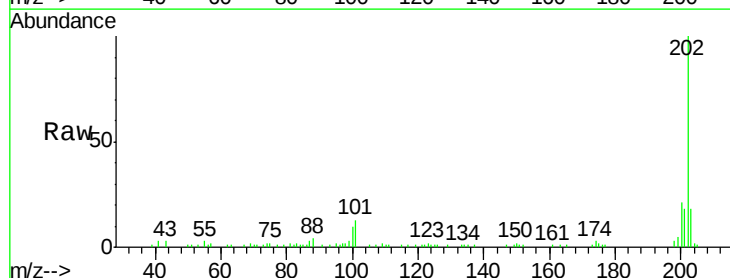
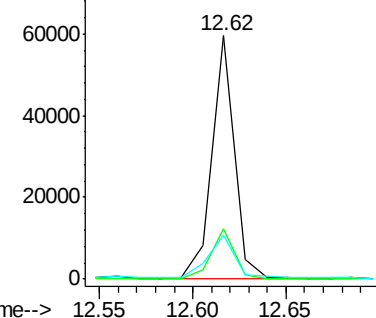
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

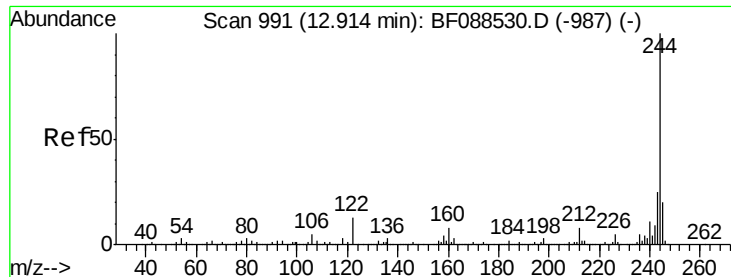


#77
Pyrene
Concen: 5.94 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		50696		
200	20.9	17.4	26.2		
203	17.8	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





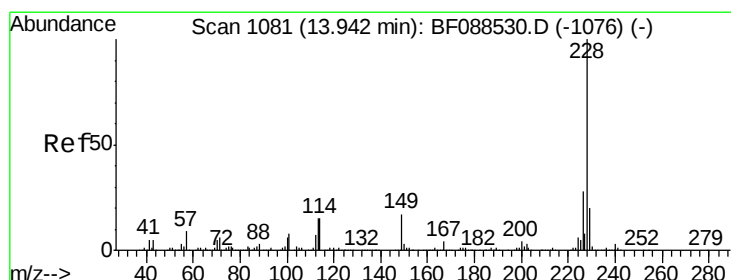
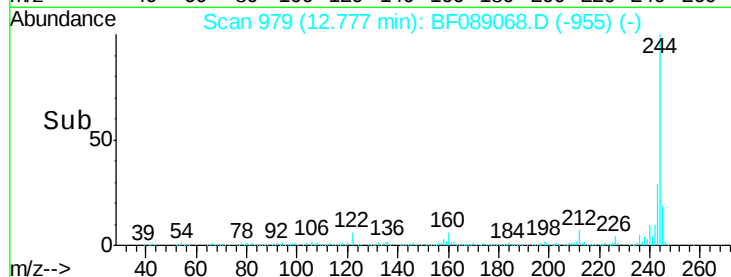
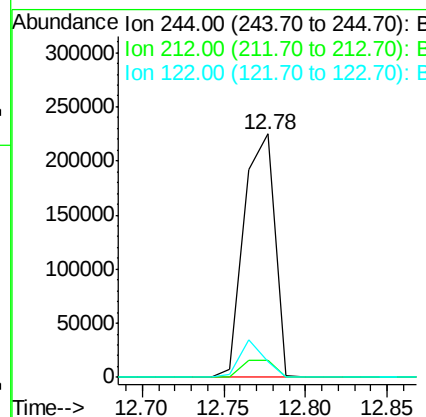
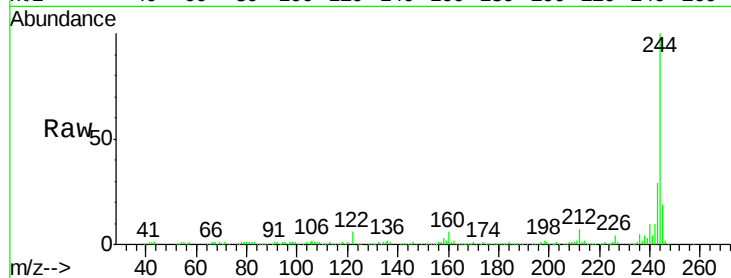
#78
 Terphenyl-d14
 Concen: 64.55 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089068.D
 Acq: 16 Jul 2016 21:43

Instrument :
 BNA_F
 ClientSampleId :
 F9-B3(0-5)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	6.5	11.2	16.8#

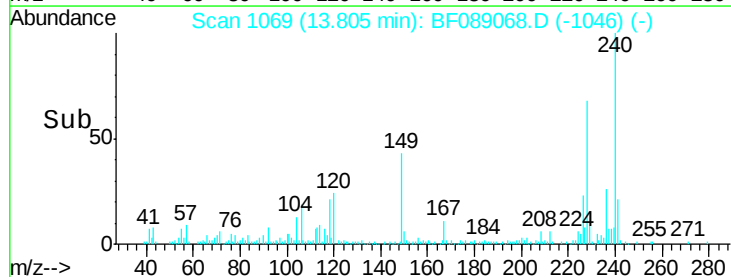
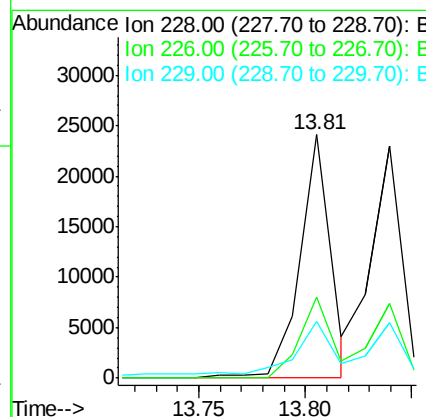
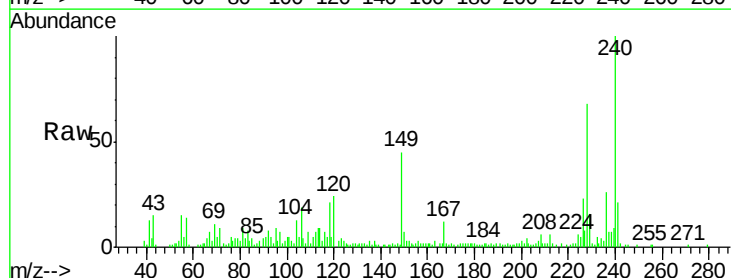
Manual Integrations

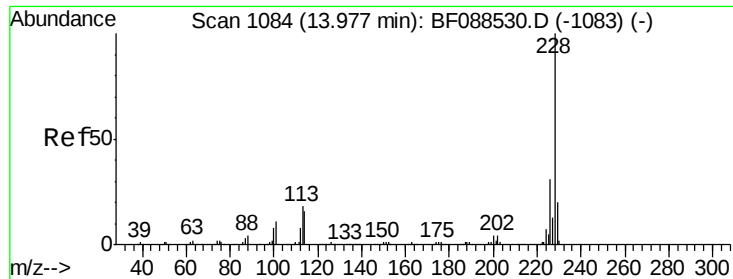
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#80
 Benzo(a)anthracene
 Concen: 3.75 ng m
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BF089068.D
 Acq: 16 Jul 2016 21:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.3	33.5
229	23.5	16.0	24.0





#82

Chrysene

Concen: 3.62 ng/mL

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43

Instrument :

BNA_F

ClientSampleId :

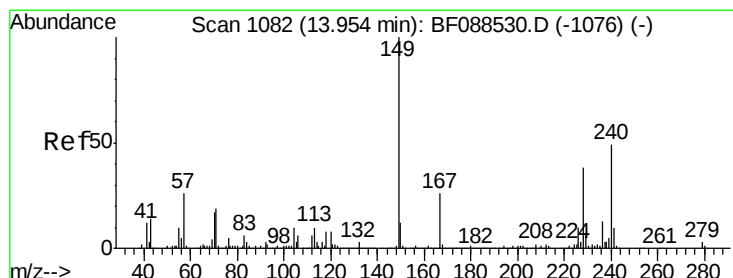
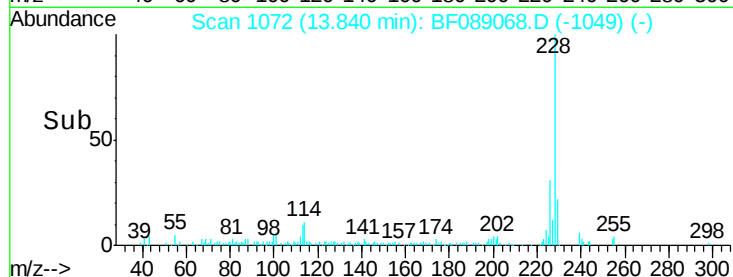
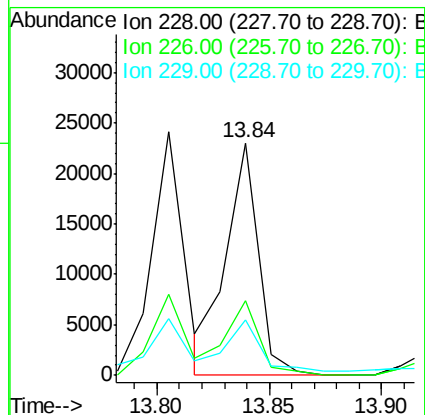
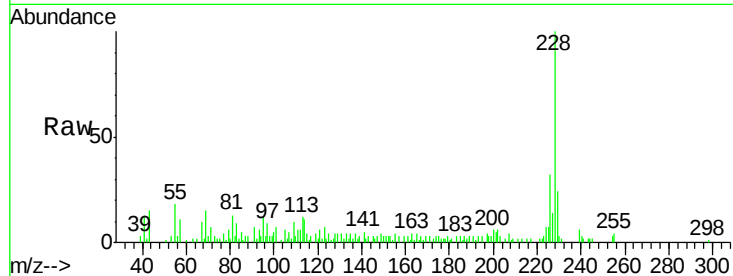
F9-B3(0-5)C

Tot Ion:	228	Resp:	23220
Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.2
229	23.8	16.3	24.5

Manual Integrations

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#83

Bis(2-ethylhexyl)phthalate

Concen: 7.35 ng/mL

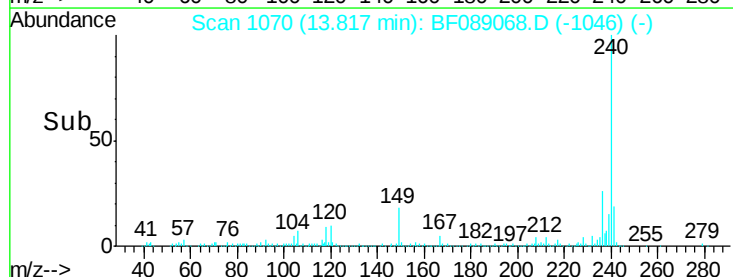
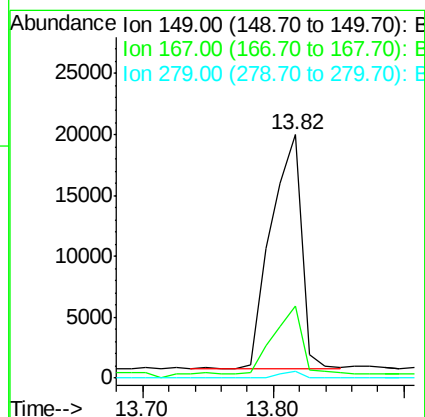
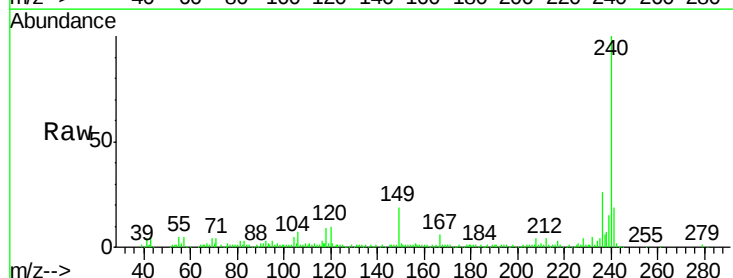
RT: 13.82 min Scan# 1070

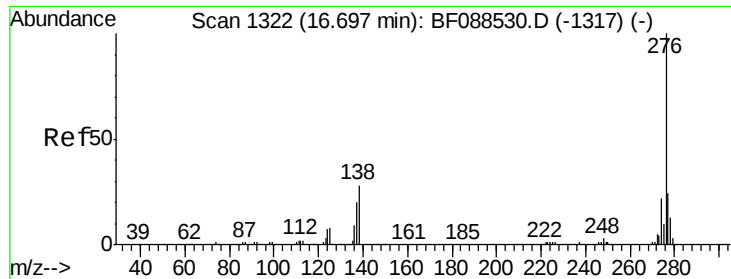
Delta R.T. -0.02 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43

Tgt Ion:	149	Resp:	31974
Ion	Ratio	Lower	Upper
149	100		
167	29.4	20.5	30.7
279	2.9	2.0	3.0





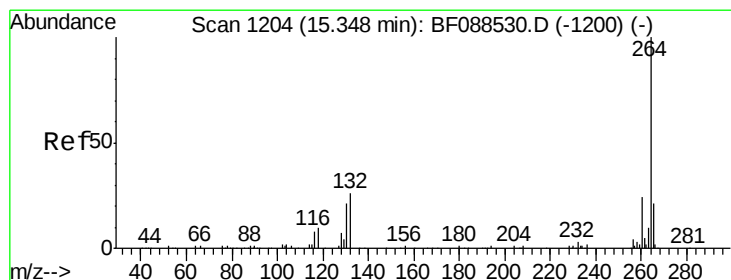
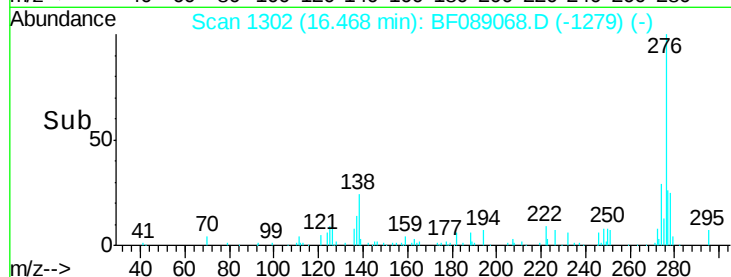
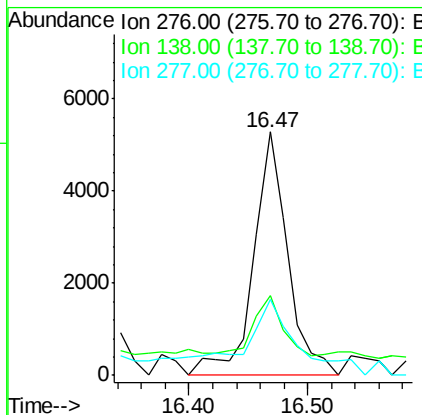
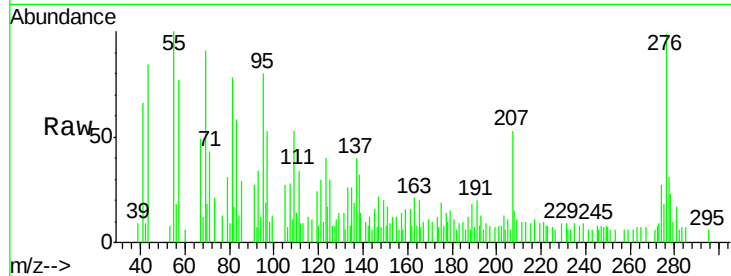
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.16 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Instrument :
BNA_F
ClientSampleId :
F9-B3(0-5)C

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	0.0	0.0#
277	57.6	0.0	0.0#

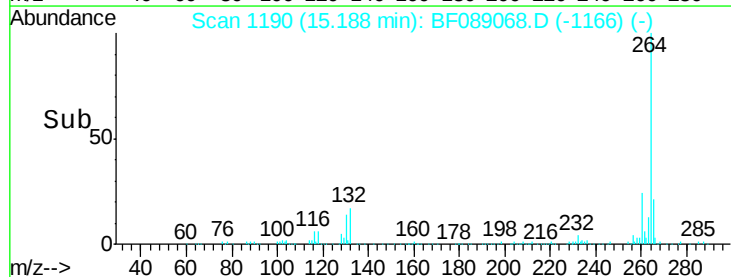
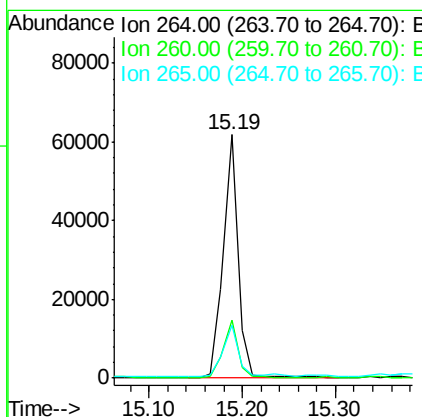
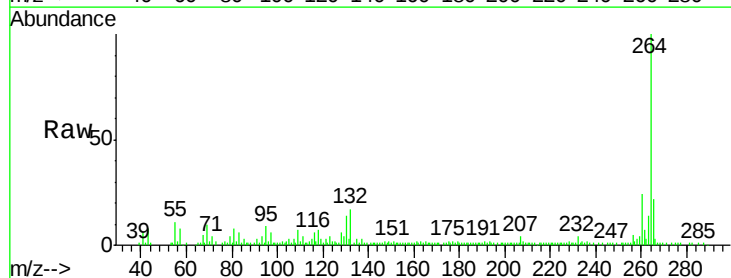
Manual Integrations

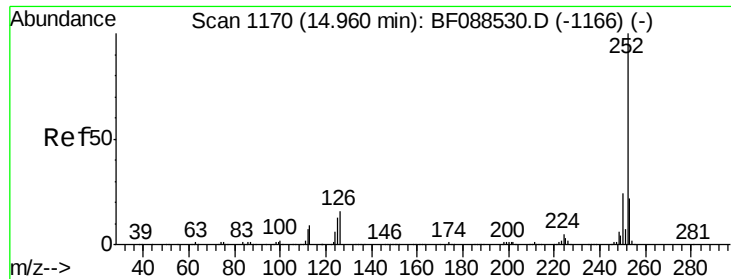
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089068.D
Acq: 16 Jul 2016 21:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 6.18 ng m

RT: 14.81 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43

Instrument :

BNA_F

ClientSampled :

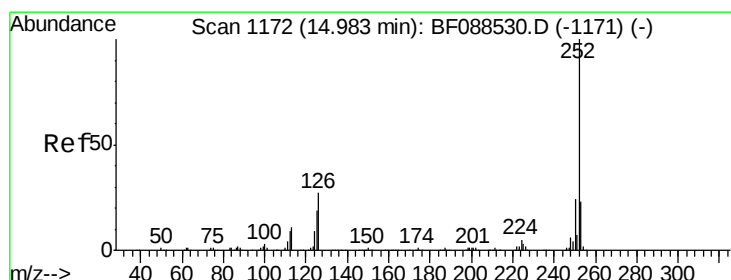
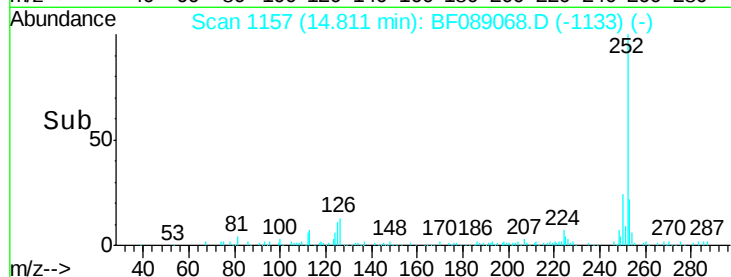
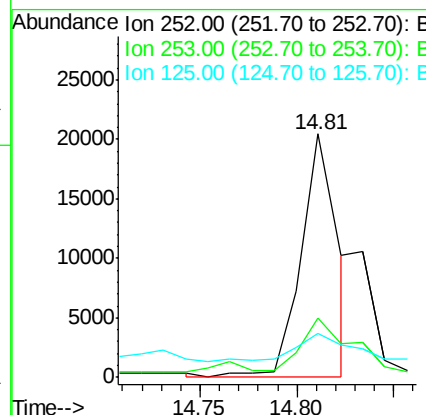
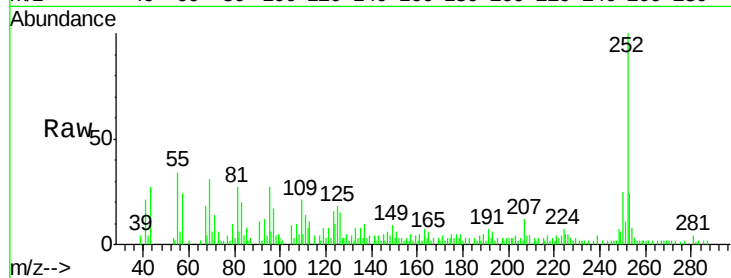
F9-B3(0-5)C

Tot Ion:	252	Resp:	26818
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.4	26.2
125	18.2	7.1	10.7#

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 2.44 ng m

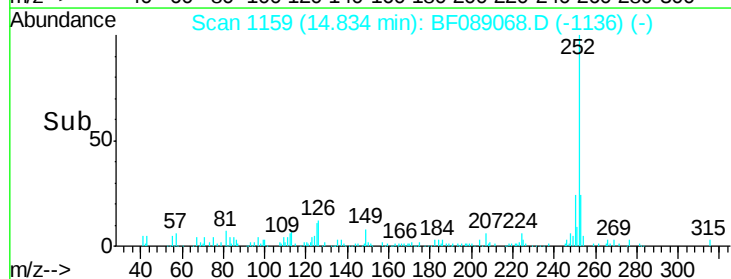
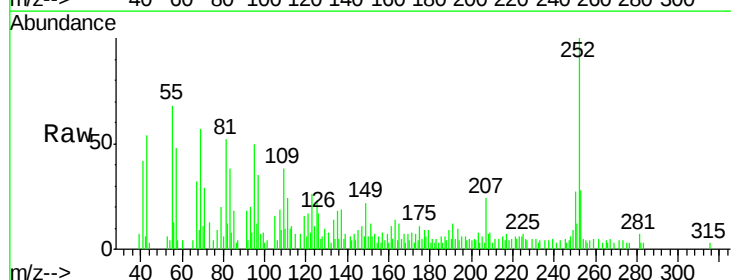
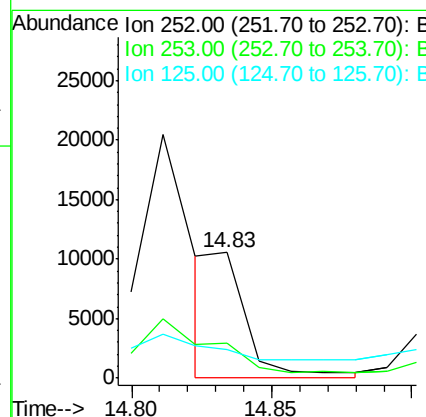
RT: 14.83 min Scan# 1159

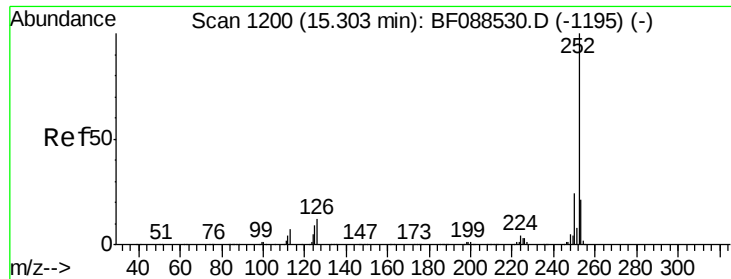
Delta R.T. -0.03 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43

Tgt Ion:	252	Resp:	9228
Ion Ratio	Lower	Upper	
252	100		
253	27.5	18.0	27.0#
125	22.5	11.2	16.8#





#89

Benzo(a)pyrene

Concen: 4.33 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BF089068.D

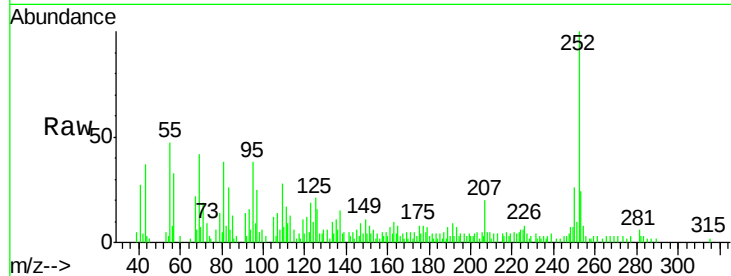
Acq: 16 Jul 2016 21:43

Instrument :

BNA_F

ClientSampleId :

F9-B3(0-5)C

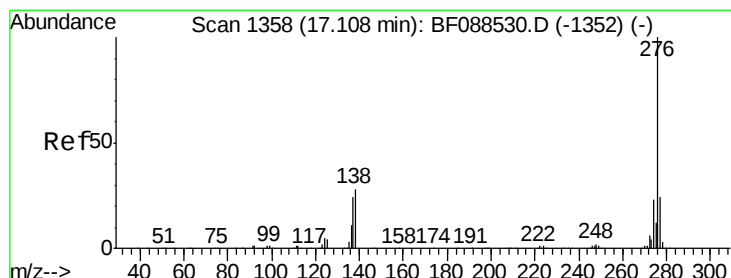
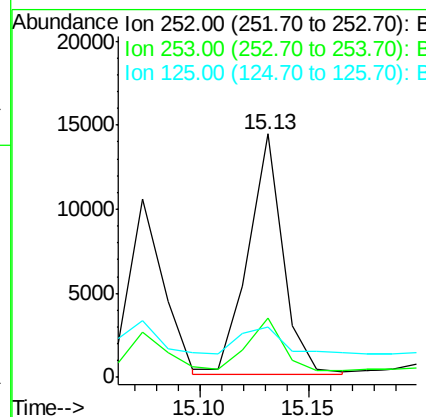


Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	20.8	12.5	18.7

Manual Integrations

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#91

Benzo(g,h,i)perylene

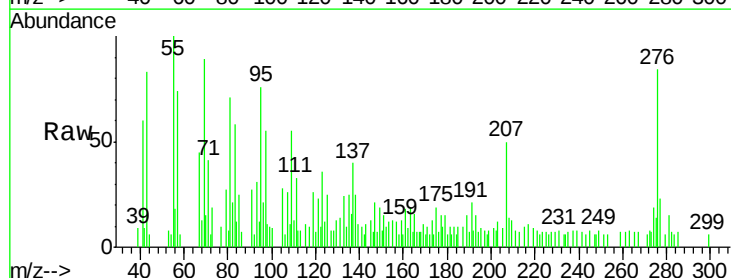
Concen: 3.09 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF089068.D

Acq: 16 Jul 2016 21:43



Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.9	28.3
138	29.8	21.4	32.2

