

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089059.D
 Acq On : 16 Jul 2016 17:11
 Operator : UM/SJ
 Sample : H3989-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B5(0-11)C

Manual Integrations

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Quant Time: Jul 18 02:03:34 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	55393	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	223661	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	94067	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	140225	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	101548	20.00	ng	-0.05
86) Perylene-d12	15.19	264	75496	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	522273	141.31	ng	-0.02
7) Phenol-d6	6.33	99	699992	146.57	ng	-0.02
23) Nitrobenzene-d5	7.23	82	348387	81.63	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	77811	89.08	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	582537	97.82	ng	-0.05
78) Terphenyl-d14	12.77	244	361139	79.21	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	112968	16.86	ng	98
70) Phenanthrene	11.20	178	44532	5.81	ng	99
74) Fluoranthene	12.39	202	90996	11.71	ng	95
77) Pyrene	12.62	202	76119	8.84	ng	99
80) Benzo(a)anthracene	13.79	228	42441	6.49	ng	# 90
82) Chrysene	13.84	228	30965m	4.79	ng	
83) Bis(2-ethylhexyl)phthalate	13.82	149	33866	7.72	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.47	276	14330	2.88	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	41446m	8.75	ng	
88) Benzo(k)fluoranthene	14.82	252	10390m	2.52	ng	
89) Benzo(a)pyrene	15.13	252	24993	6.23	ng	# 87
91) Benzo(a,h,i)perylene	16.86	276	13747	3.97	ng	# 88

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

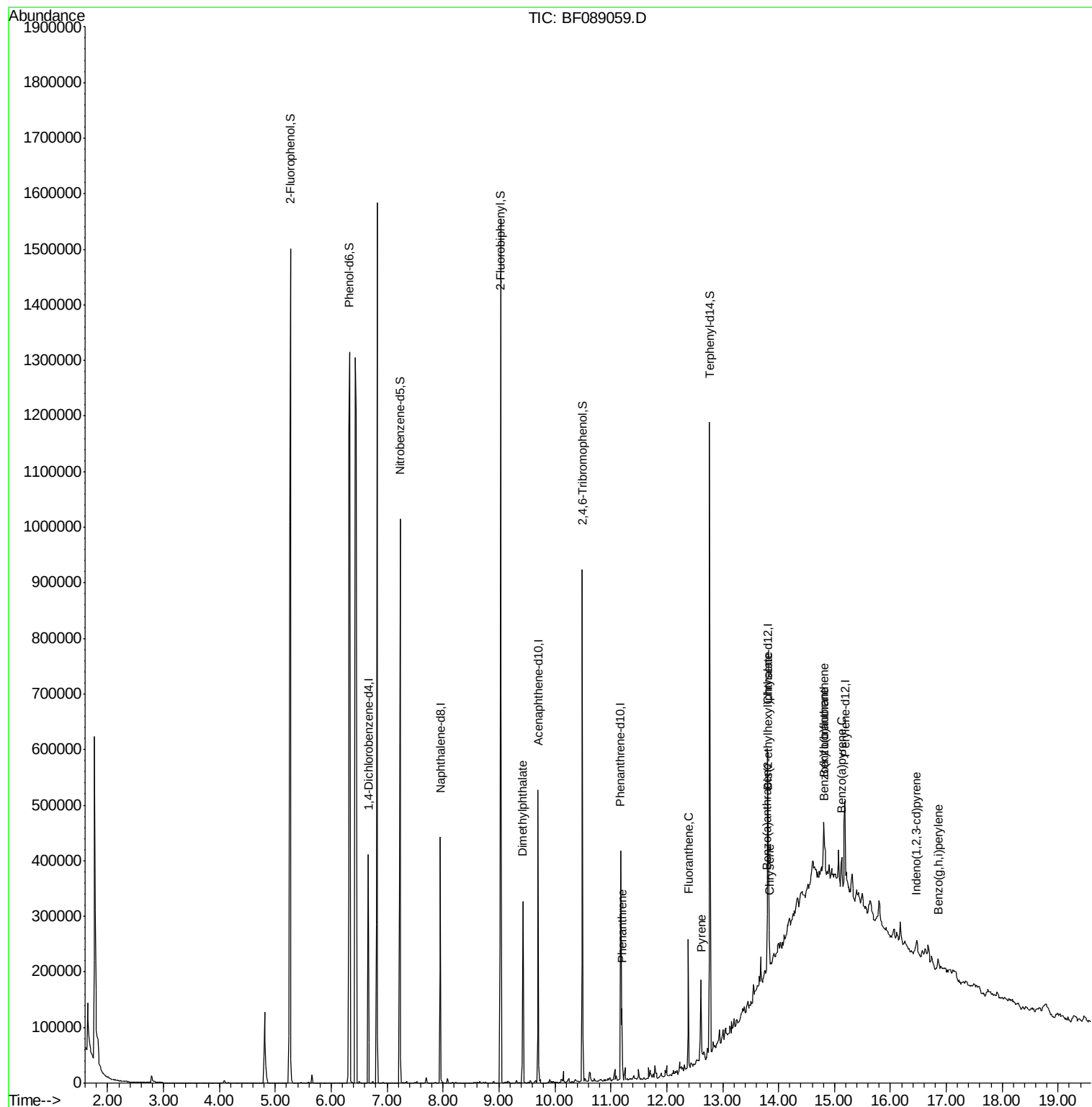
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089059.D
Acq On : 16 Jul 2016 17:11
Operator : UM/SJ
Sample : H3989-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

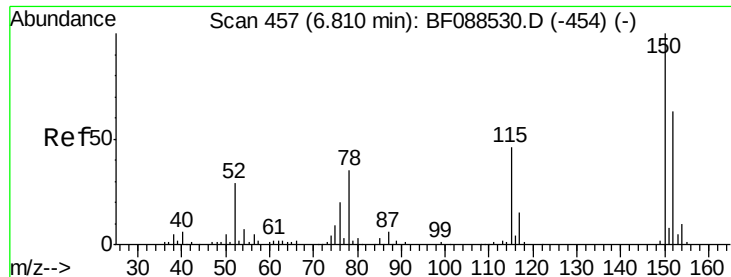
Instrument :
BNA_F
ClientSampleId :
Q7-B5(0-11)C

Manual Integrations

Quant Time: Jul 18 02:03:34 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

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#1

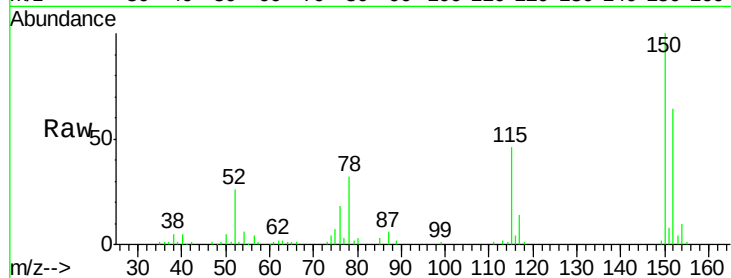
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Instrument :
BNA_F
ClientSampleId :
Q7-B5(0-11)C

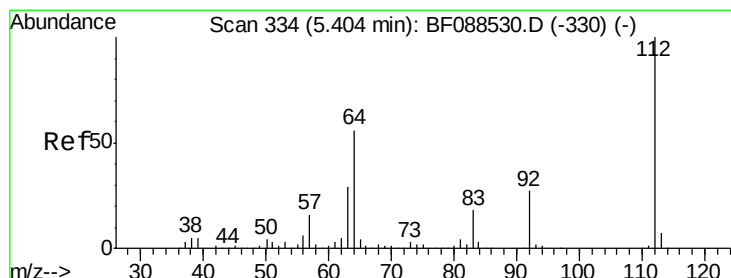
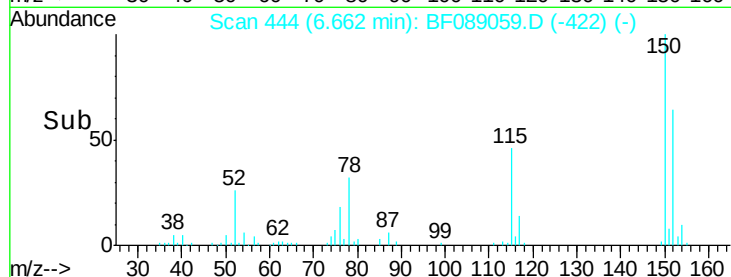
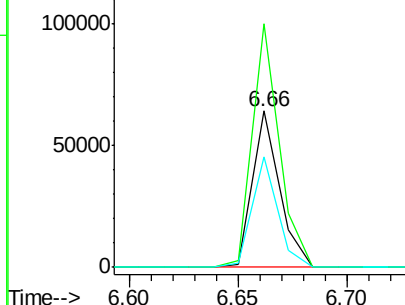
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.8	185.6
115	71.0	39.6	59.4

Manual Integrations

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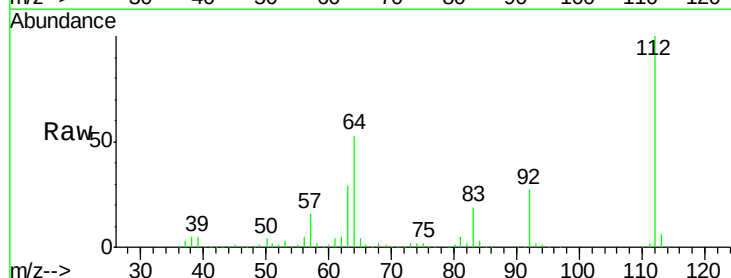
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



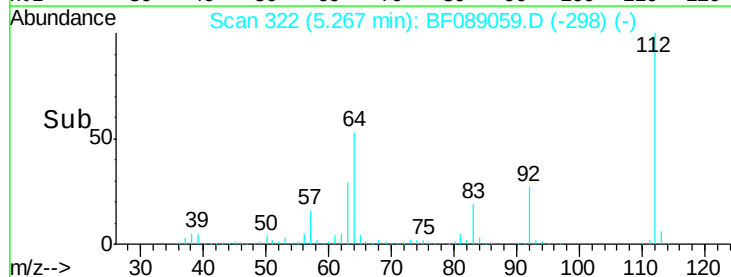
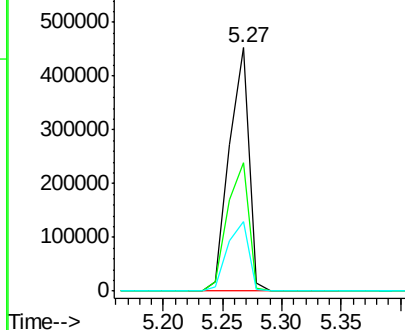
#5

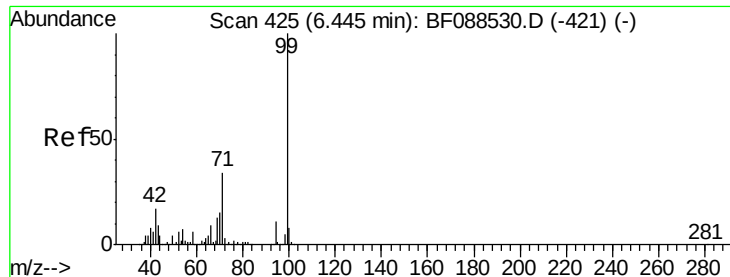
2-Fluorophenol
Concen: 141.31 ng
RT: 5.27 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	42.2	63.2
63	28.5	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: 146.57 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

Q7-B5(0-11)C

Tot Ion: 99 Resp: 699992

Ion Ratio Lower Upper

99 100

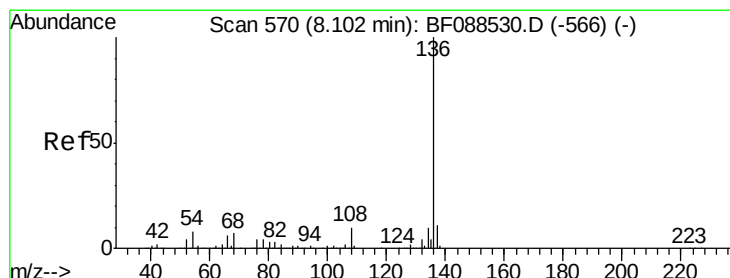
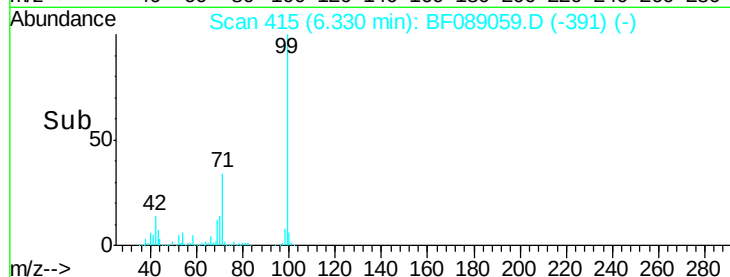
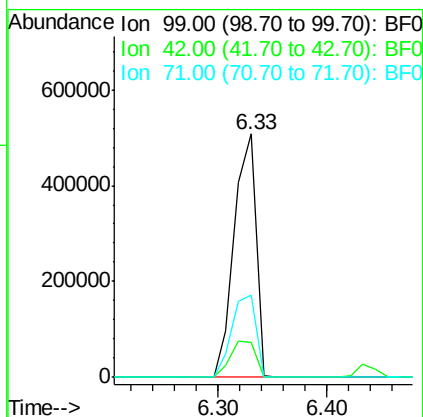
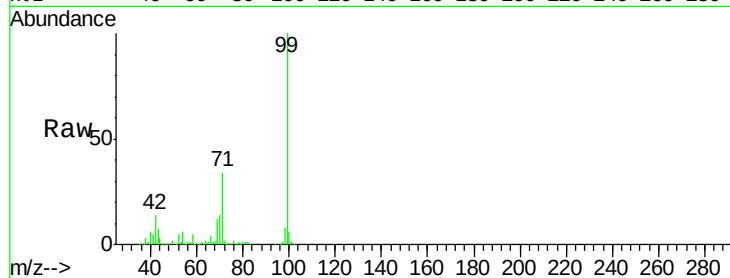
42 14.1 12.2 18.2

71 34.0 23.4 35.0

Manual Integrations

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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: BF089059.D

Acq: 16 Jul 2016 17:11

Tgt Ion: 136 Resp: 223661

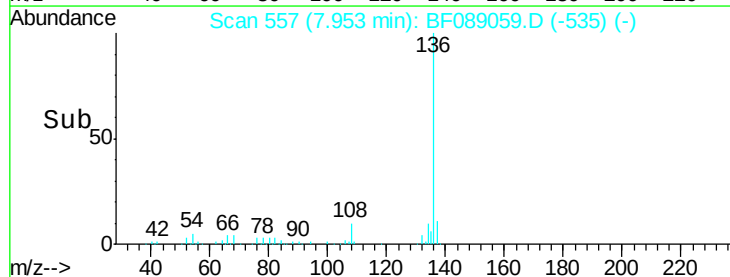
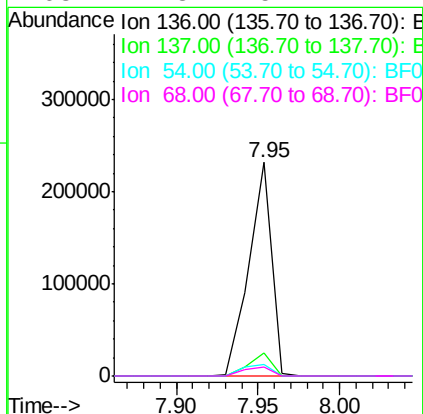
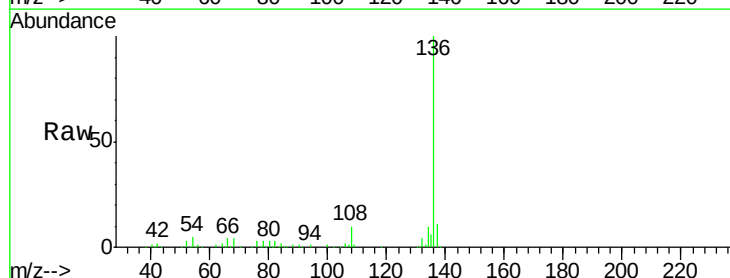
Ion Ratio Lower Upper

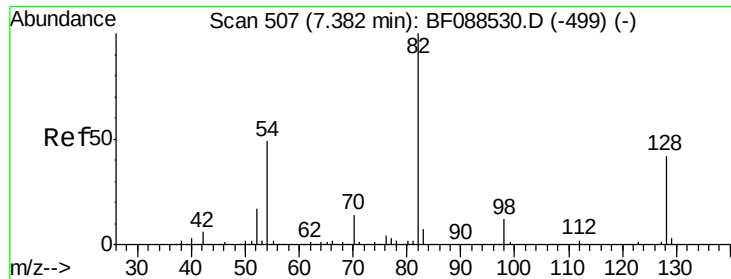
136 100

137 10.6 9.1 13.7

54 5.4 6.6 10.0#

68 4.3 5.1 7.7#





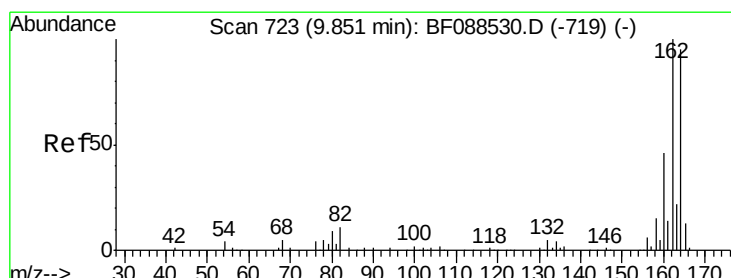
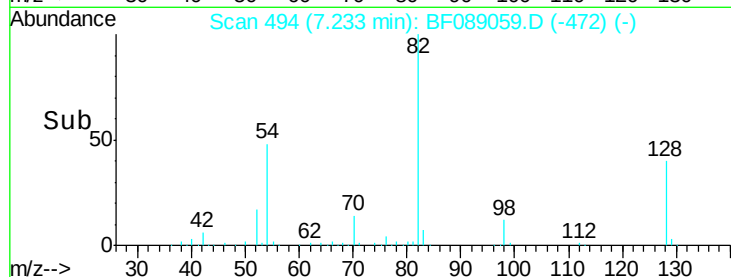
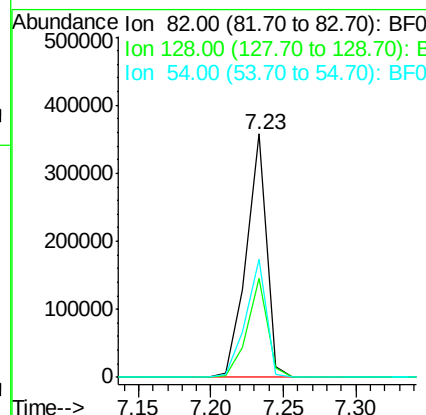
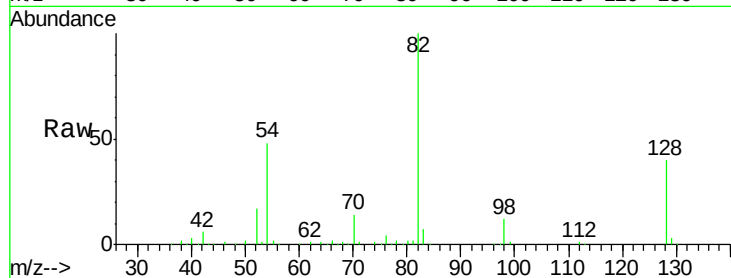
#23
 Nitrobenzene-d5
 Concen: 81.63 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.05 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B5(0-11)C

Tot Ion:	82	Resp:	348387
Ion Ratio	Lower	Upper	
82	100		
128	40.4	35.9	53.9
54	48.5	40.9	61.3

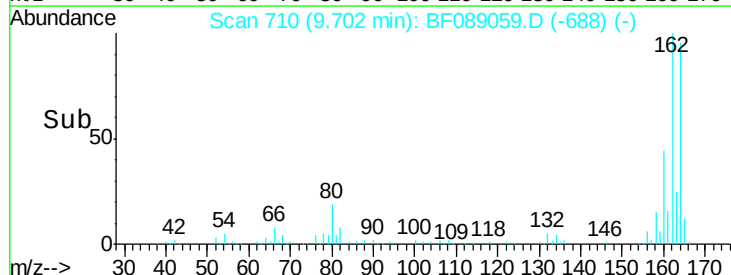
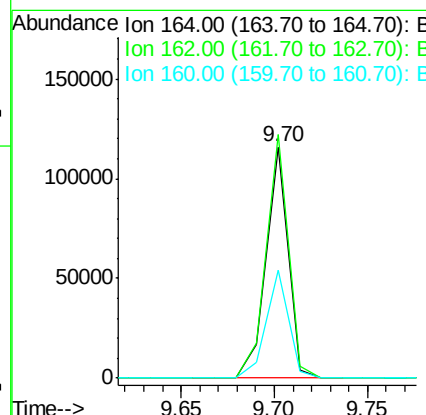
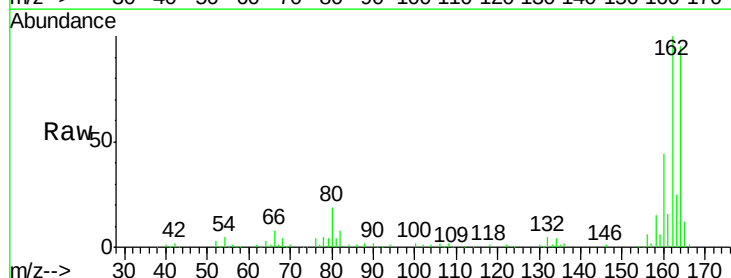
Manual Integrations

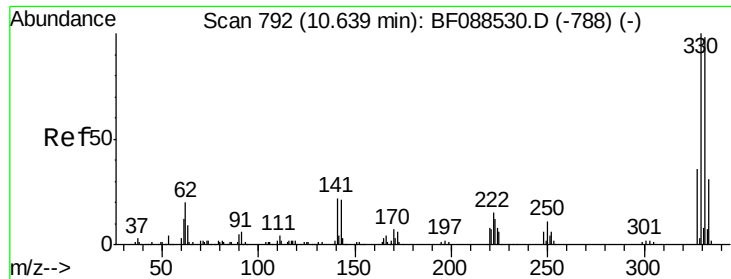
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

Tgt Ion:	164	Resp:	94067
Ion Ratio	Lower	Upper	
164	100		
162	105.4	85.4	128.2
160	46.5	39.5	59.3





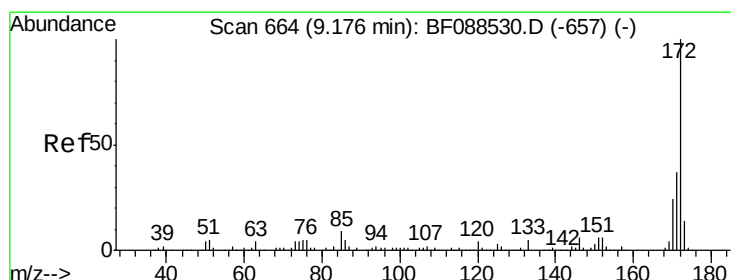
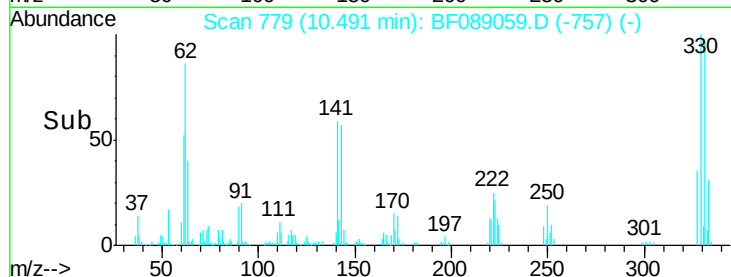
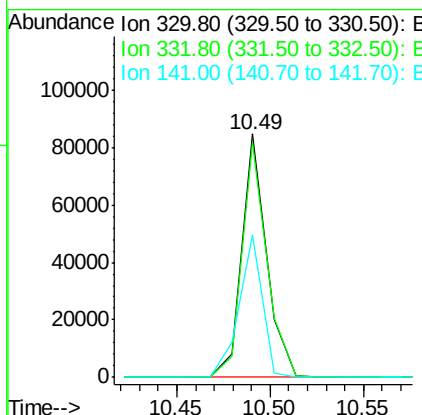
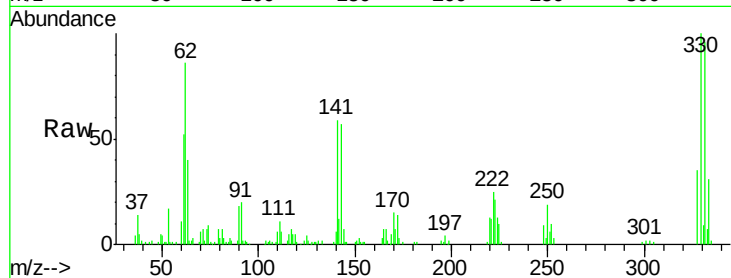
#41
 2,4,6-Tribromophenol
 Concen: 89.08 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B5(0-11)C

Tot Ion:	330	Resp:	77811
Ion Ratio	Lower	Upper	
330	100		
332	97.1	0.0	0.0#
141	56.1	0.0	0.0#

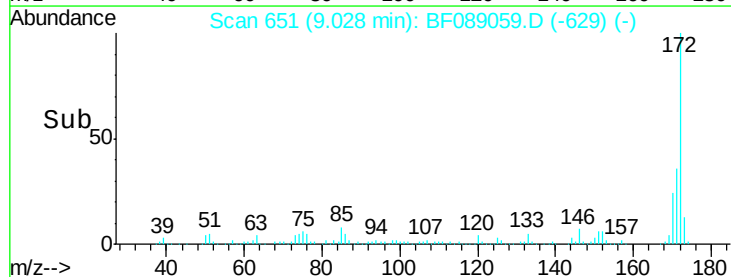
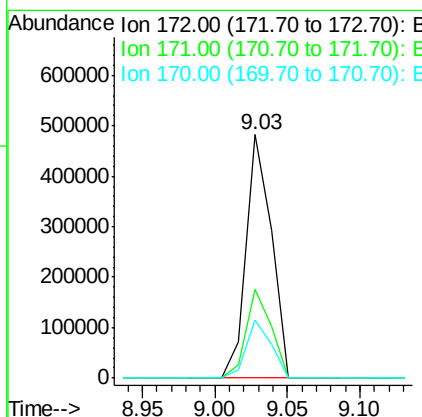
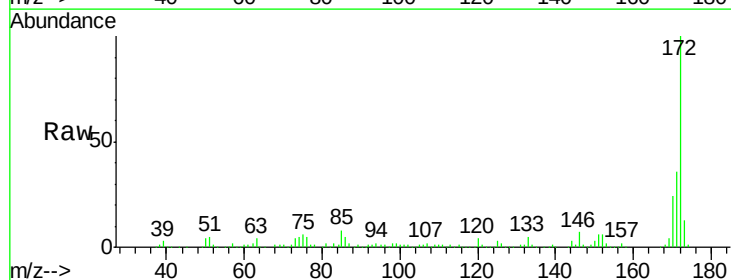
Manual Integrations

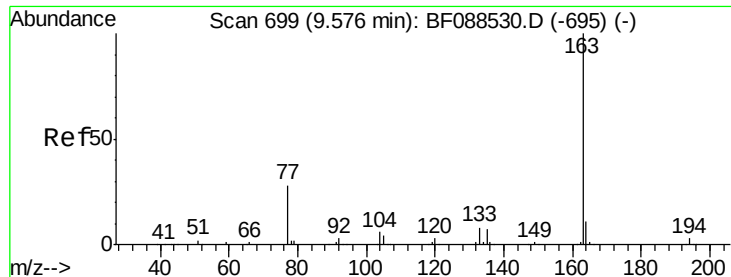
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#44
 2-Fluorobiphenyl
 Concen: 97.82 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

Tgt Ion:	172	Resp:	582537
Ion Ratio	Lower	Upper	
172	100		
171	36.5	28.6	43.0
170	23.7	19.2	28.8





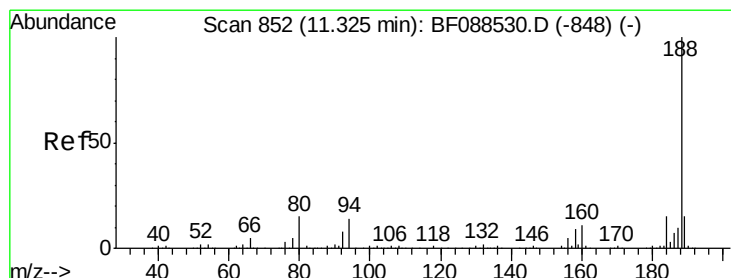
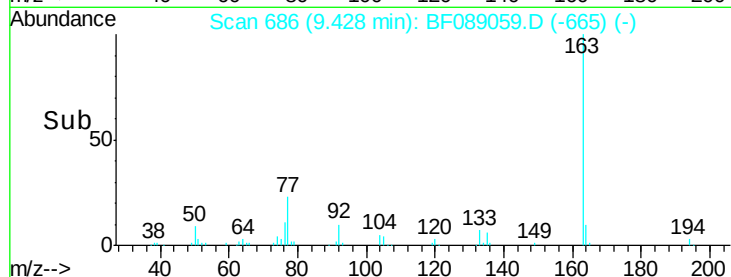
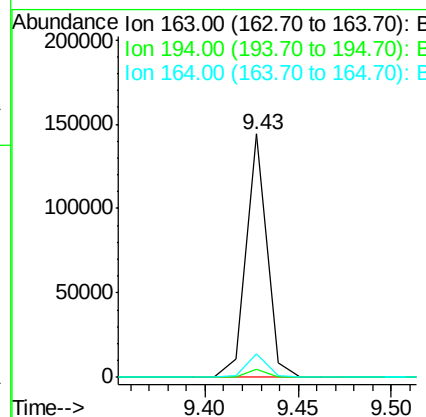
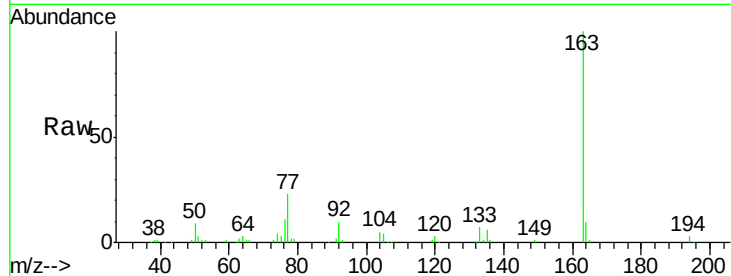
#49
Dimethylphthalate
Concen: 16.86 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Instrument :
BNA_F
ClientSampleId :
Q7-B5(0-11)C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	112968		
194	3.2		2.8	4.2
164	9.7		8.3	12.5

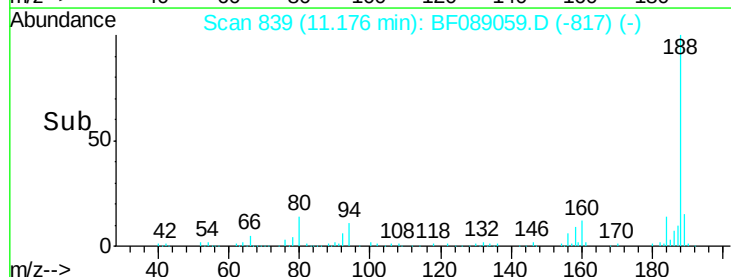
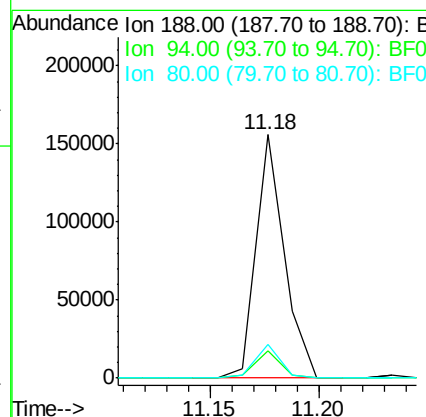
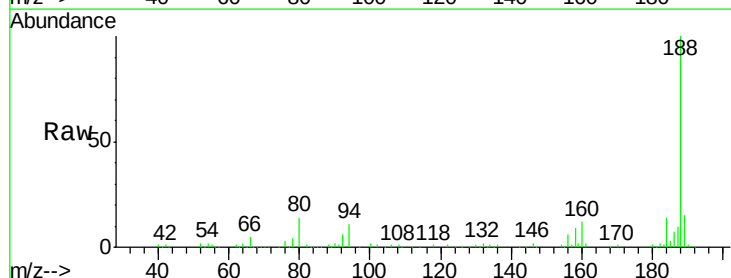
Manual Integrations

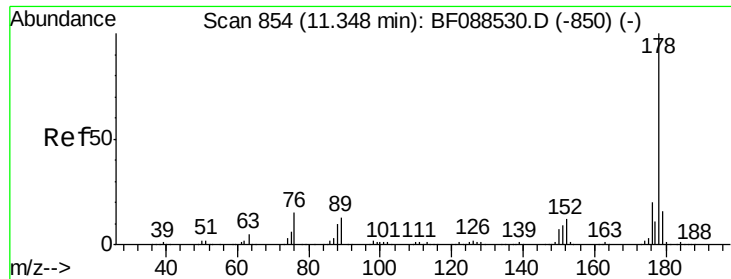
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	140225		
94	11.4		9.0	13.6
80	13.6		10.0	15.0





#70

Phenanthrene

Concen: 5.81 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.05 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

Q7-B5(0-11)C

Tot Ion:178 Resp: 44532

Ion Ratio Lower Upper

178 100

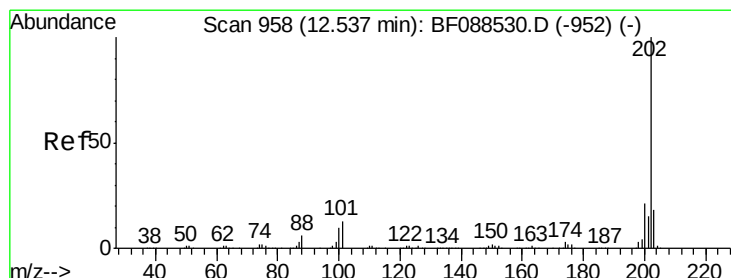
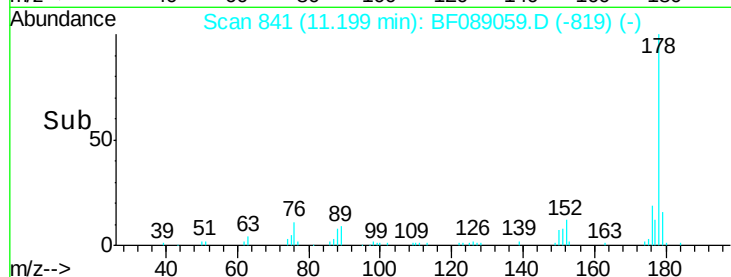
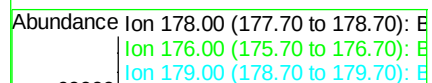
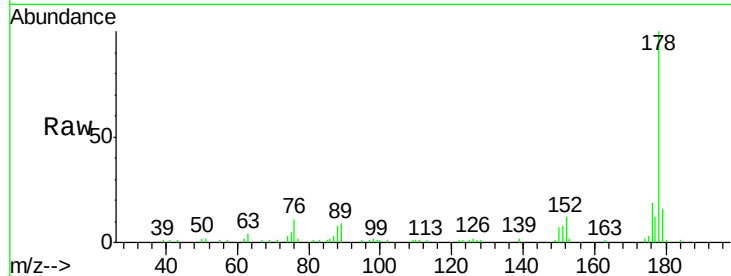
176 18.7 15.8 23.6

179 16.4 13.0 19.4

Manual Integrations

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#74

Fluoranthene

Concen: 11.71 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

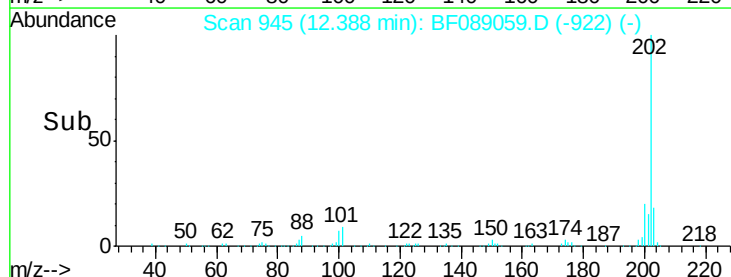
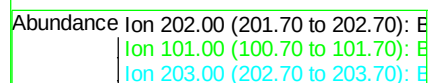
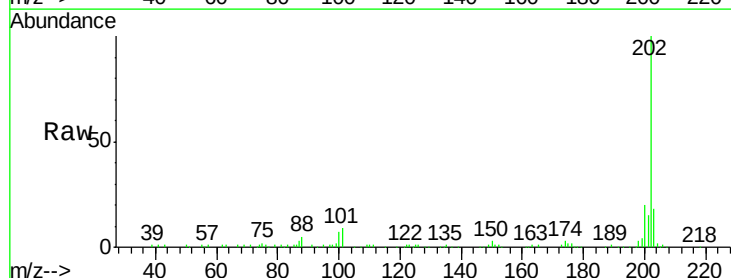
Tgt Ion:202 Resp: 90996

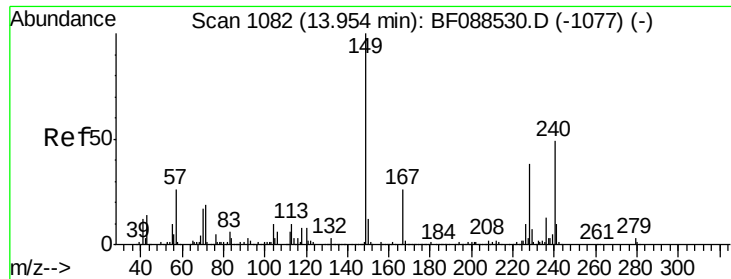
Ion Ratio Lower Upper

202 100

101 8.7 0.0 33.1

203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

Q7-B5(0-11)C

Tot Ion:240 Resp: 101548

Ion Ratio Lower Upper

240 100

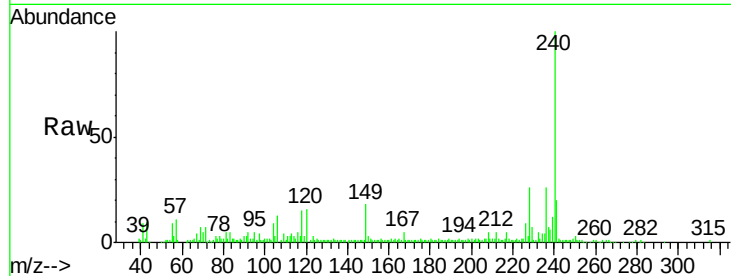
120 15.6 6.8 10.2#

236 26.3 20.2 30.2

Manual Integrations

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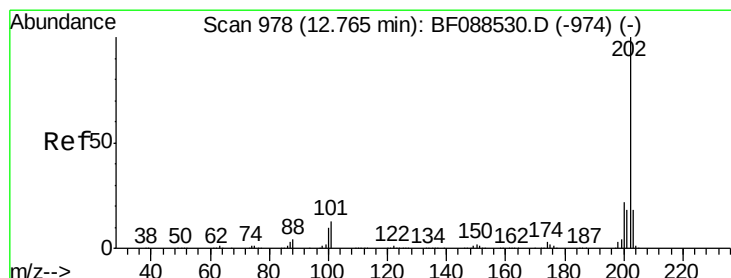
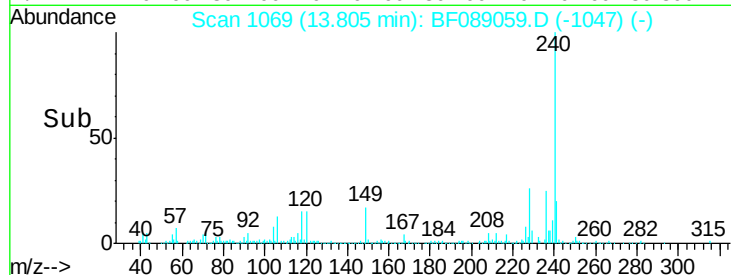
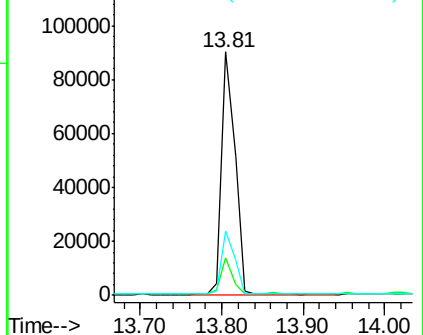
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.84 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

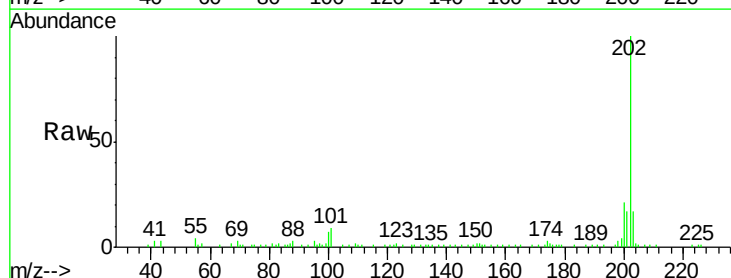
Tgt Ion:202 Resp: 76119

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

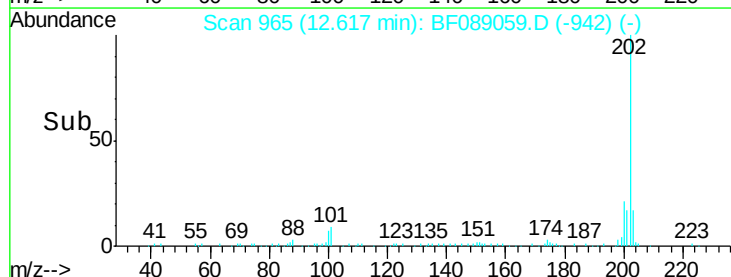
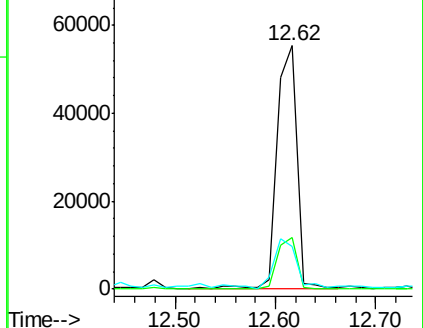
203 17.5 14.5 21.7

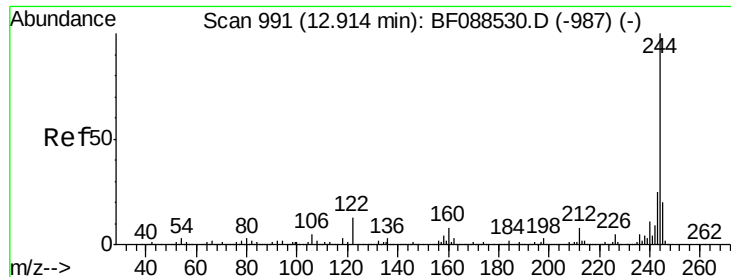


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





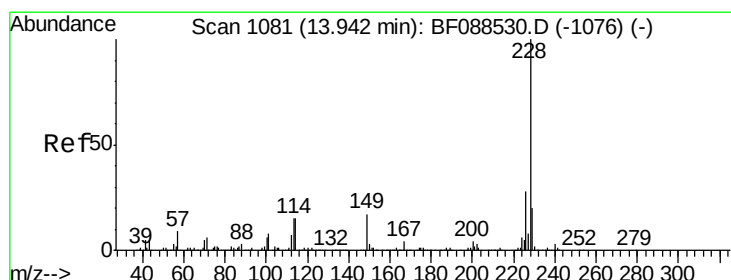
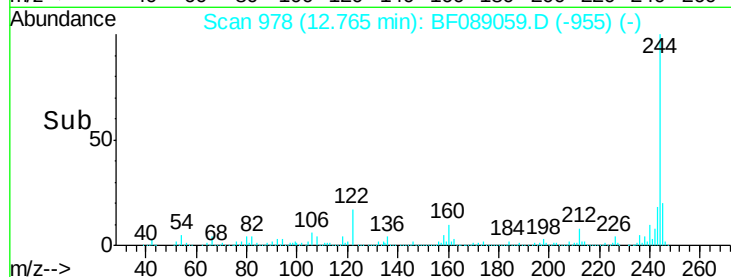
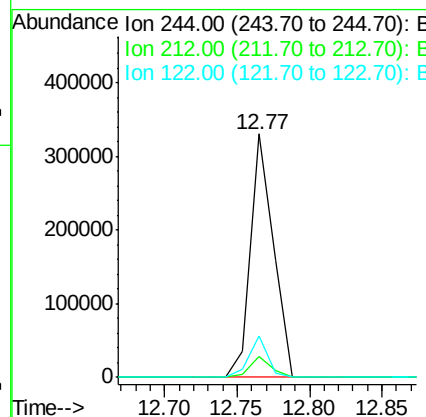
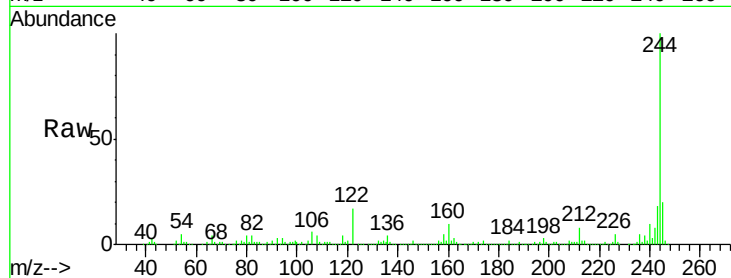
#78
 Terphenyl-d14
 Concen: 79.21 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B5(0-11)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.0	9.0
122	16.8	11.2	16.8

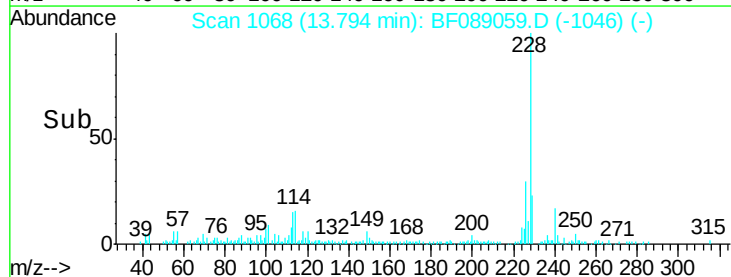
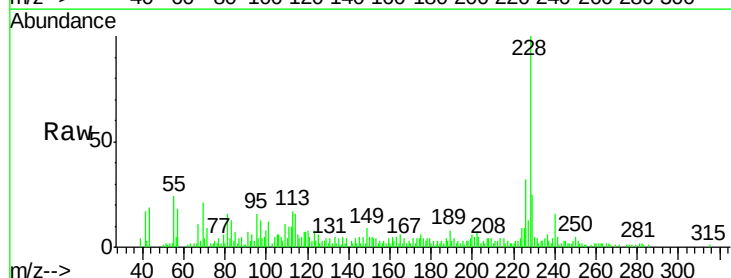
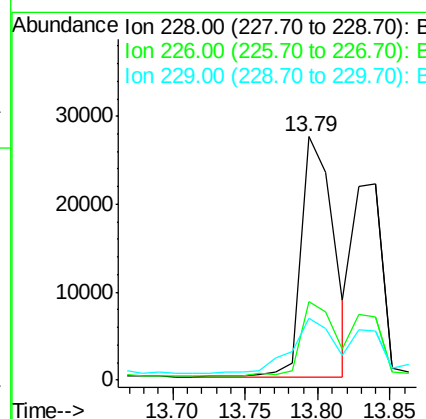
Manual Integrations

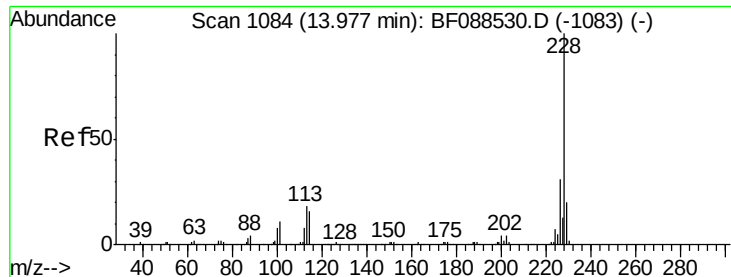
sohil
 7/18/2016 7:37:52 PM



#80
 Benzo(a)anthracene
 Concen: 6.49 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.05 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.3	33.5
229	25.4	16.0	24.0





#82

Chrvsene

Concen: 4.79 ng/mL

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

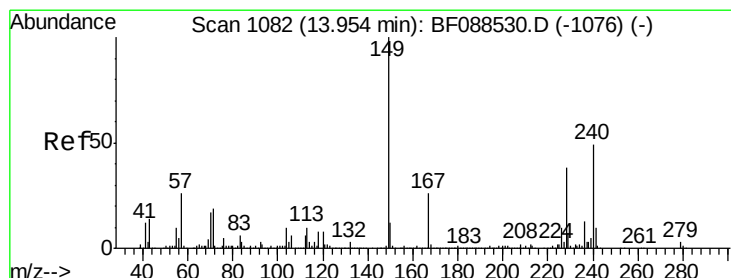
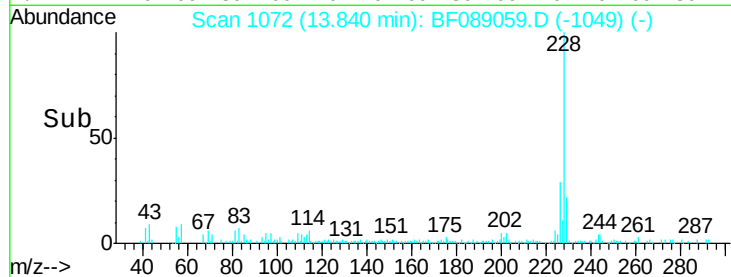
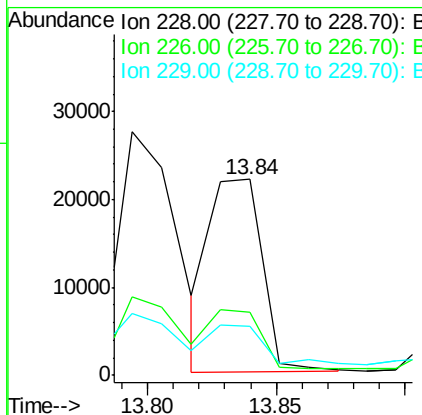
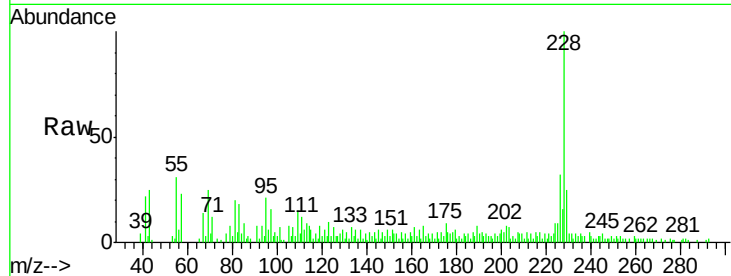
Q7-B5(0-11)C

Tot Ion:	228	Resp:	30965
Ion Ratio	Lower	Upper	
228	100		
226	32.3	25.4	38.2
229	25.3	16.3	24.5#

Manual Integrations

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#83

Bis(2-ethylhexyl)phthalate

Concen: 7.72 ng/mL

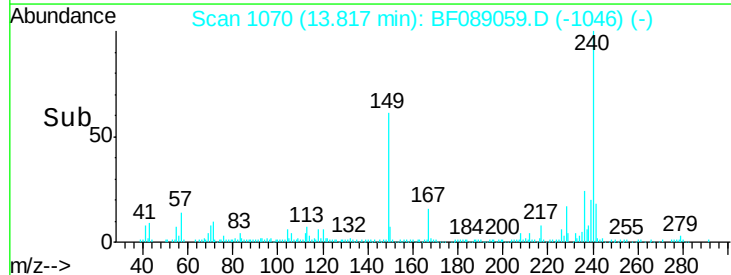
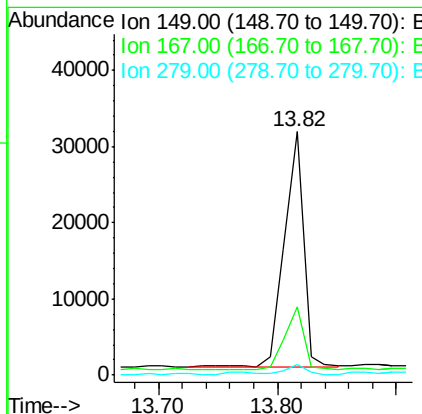
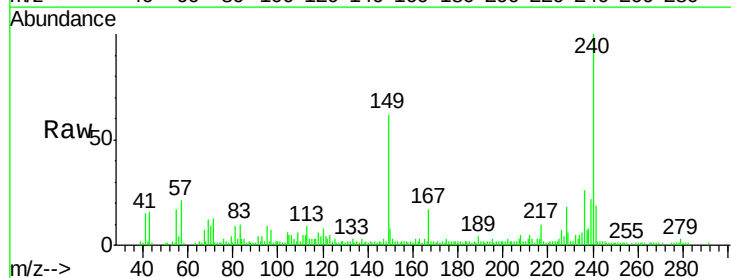
RT: 13.82 min Scan# 1070

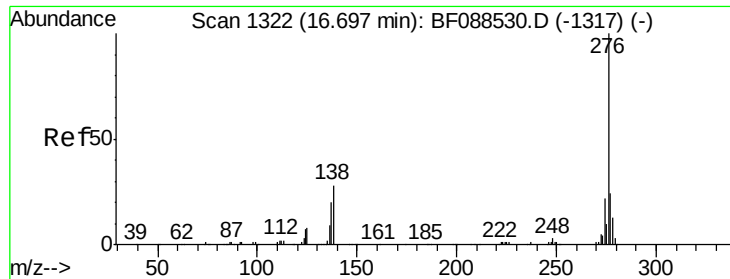
Delta R.T. -0.02 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Tgt Ion:	149	Resp:	33866
Ion Ratio	Lower	Upper	
149	100		
167	27.9	20.5	30.7
279	4.4	2.0	3.0#





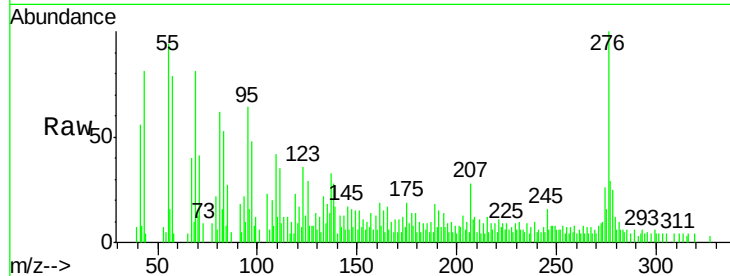
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.88 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Instrument :
BNA_F
ClientSampleId :
Q7-B5(0-11)C

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	0.0	0.0#
277	31.1	0.0	0.0#

Manual Integrations

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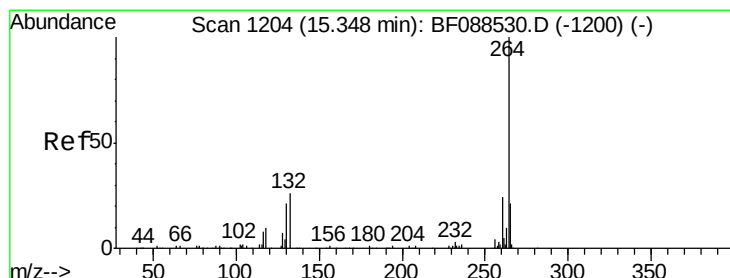
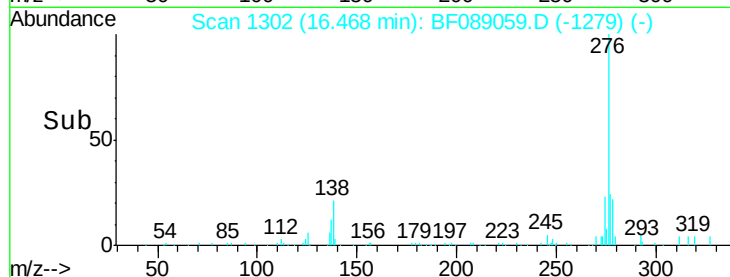
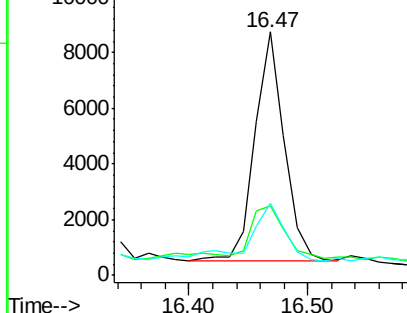


Abundance

Ion 276.00 (275.70 to 276.70): E

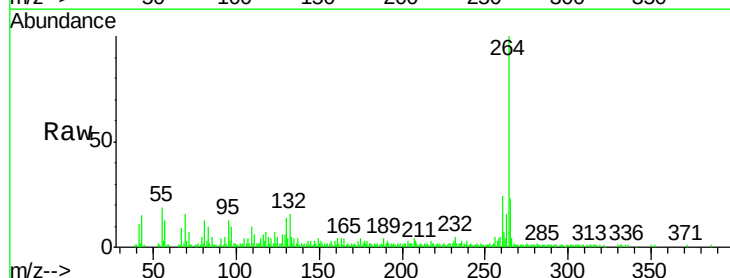
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.4	16.9	25.3

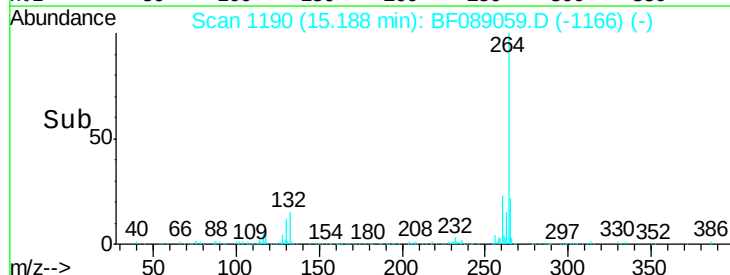
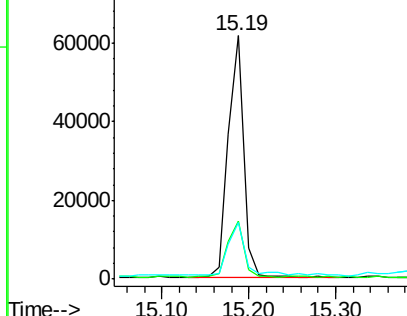


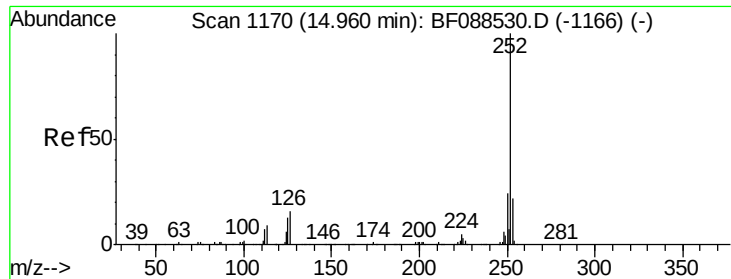
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.75 ng m

RT: 14.81 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

Q7-B5(0-11)C

Tot Ion:252 Resp: 41446

Ion Ratio Lower Upper

252 100

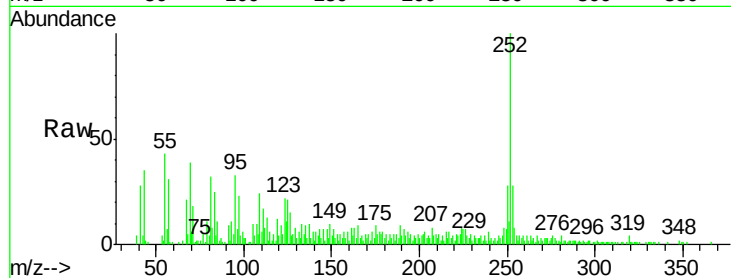
253 28.4 17.4 26.2#

125 21.2 7.1 10.7#

Manual Integrations

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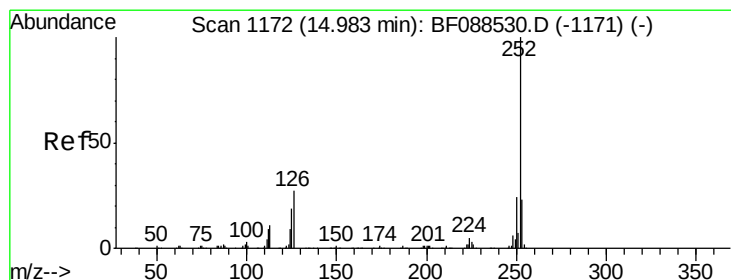
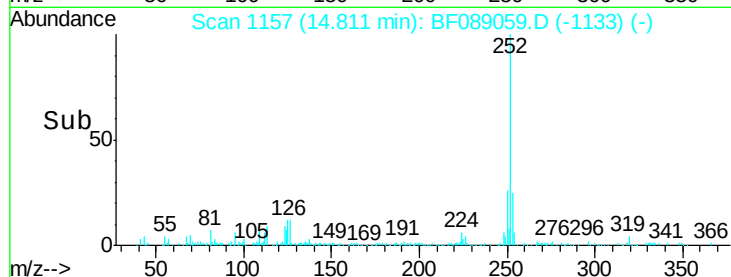
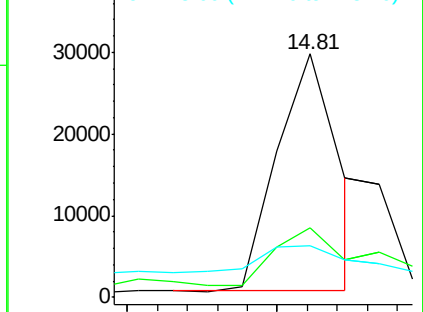
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.52 ng m

RT: 14.82 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

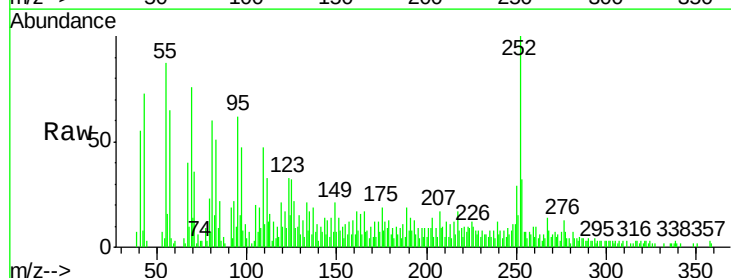
Tgt Ion:252 Resp: 10390

Ion Ratio Lower Upper

252 100

253 31.7 18.0 27.0#

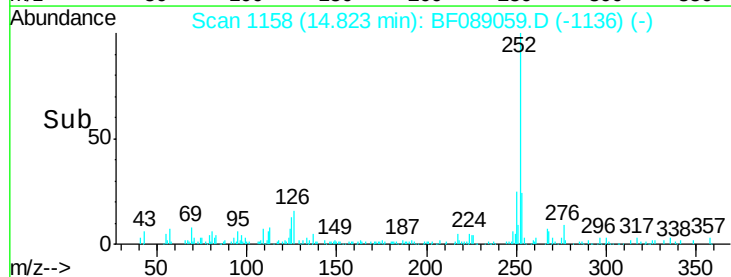
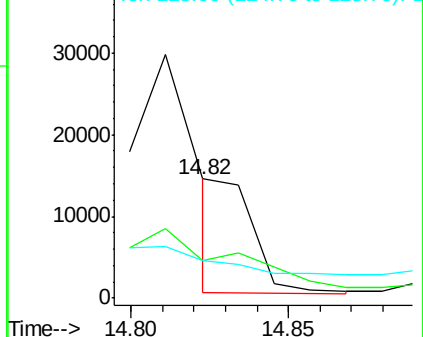
125 32.0 11.2 16.8#

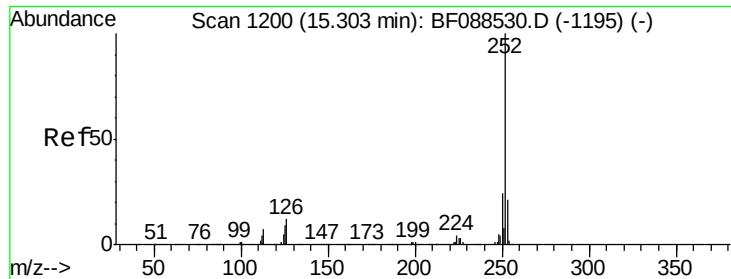


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.23 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BF089059.D

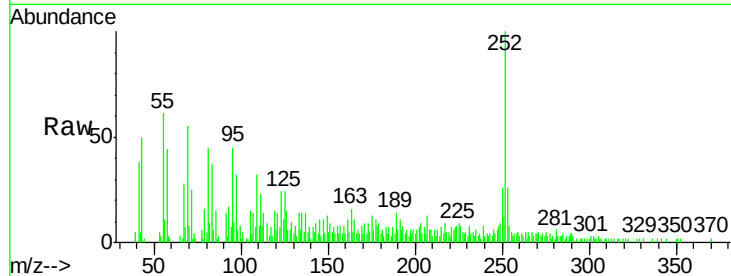
Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampled :

Q7-B5(0-11)C

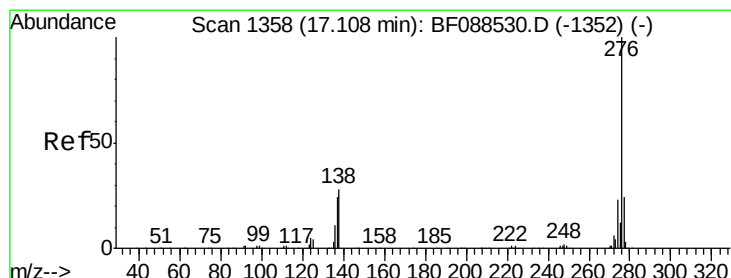
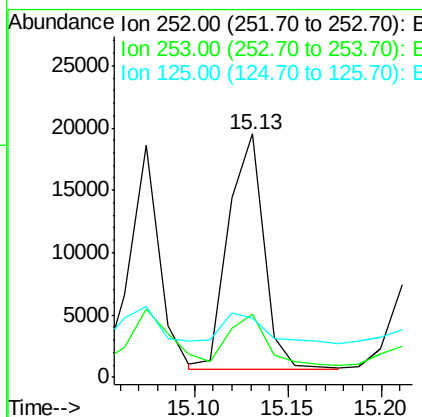


Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	24.1	12.5	18.7

Manual Integrations

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#91

Benzo(g,h,i)perylene

Concen: 3.97 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.5	18.9	28.3
138	28.9	21.4	32.2

