

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
 Data File : BF088759.D
 Acq On : 7 Jul 2016 3:20
 Operator : UM/SJ
 Sample : H3880-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-05

Manual Integrations

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 umangi
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Quant Time: Jul 07 07:03:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 01:24:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	88422	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	377980	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	170104	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	282620	20.00	ng	0.00
75) Chrysene-d12	13.89	240	187727	20.00	ng	0.00
86) Perylene-d12	15.27	264	189706	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	447169	75.79	ng	0.00
7) Phenol-d6	6.39	99	635962	83.42	ng	0.00
23) Nitrobenzene-d5	7.31	82	393711	54.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	118255	74.86	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	532461	49.44	ng	-0.01
78) Terphenyl-d14	12.84	244	431438	51.19	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.51	163	89897	7.42	ng	98
70) Phenanthrene	11.28	178	60767	3.93	ng	99
71) Anthracene	11.32	178	53410	3.48	ng	99
74) Fluoranthene	12.47	202	283413	18.10	ng	99
77) Pyrene	12.68	202	270805	17.01	ng	99
80) Benzo(a)anthracene	13.87	228	194042	16.05	ng	96
82) Chrysene	13.91	228	184299m	15.41	ng	
83) Bis(2-ethylhexyl)phthalate	13.89	149	27269	3.36	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.57	276	89058	9.68	ng	# 100
87) Benzo(b)fluoranthene	14.88	252	249608m	20.97	ng	
88) Benzo(k)fluoranthene	14.89	252	96288m	9.29	ng	
89) Benzo(a)pyrene	15.21	252	130177m	12.92	ng	
90) Dibenzo(a,h)anthracene	16.58	278	21396	2.54	ng	# 88
91) Benzo(a,h,i)perylene	16.97	276	85275	9.79	ng	95

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

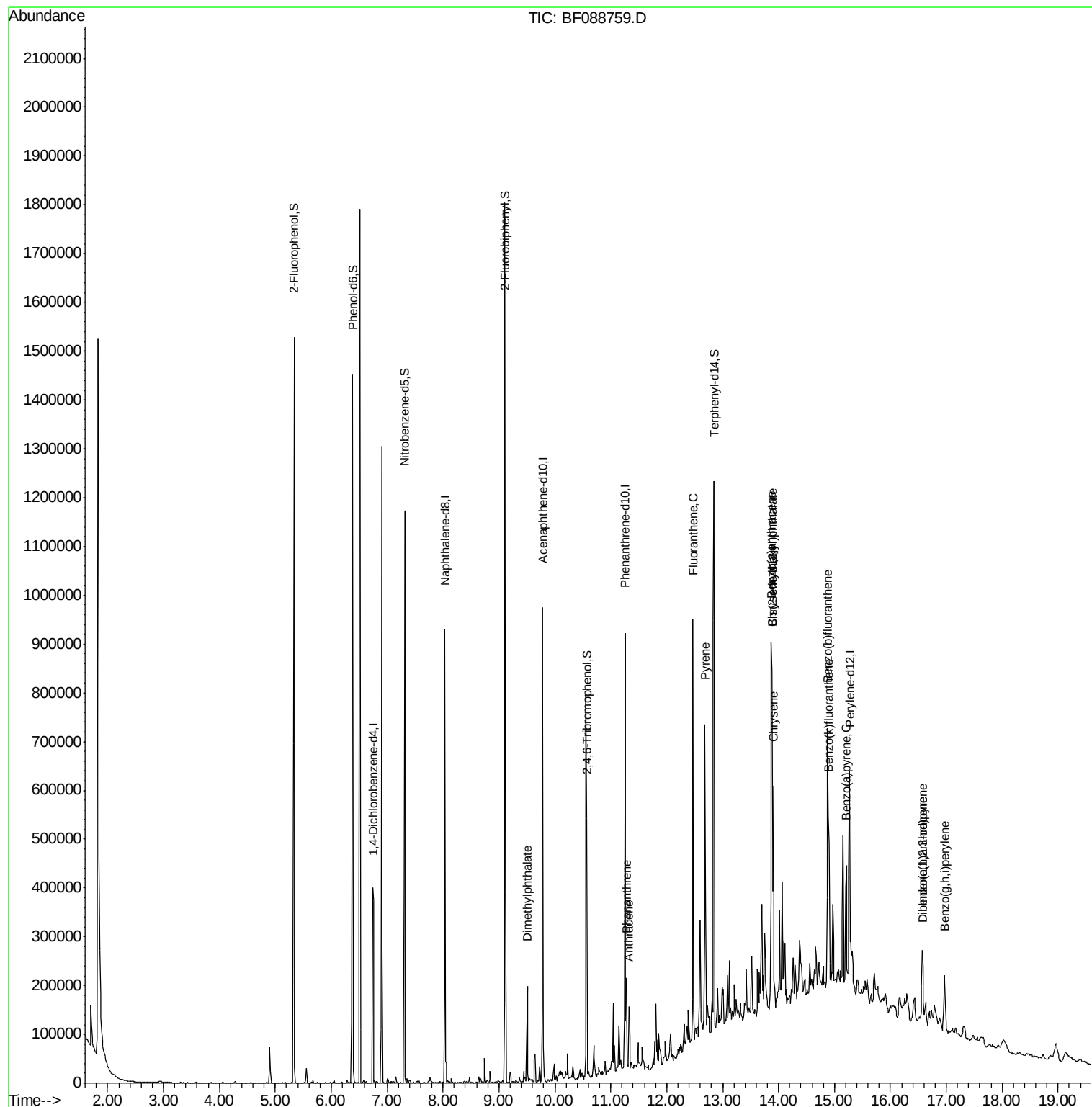
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
Data File : BF088759.D
Acq On : 7 Jul 2016 3:20
Operator : UM/SJ
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ALS Vial : 21 Sample Multiplier: 1

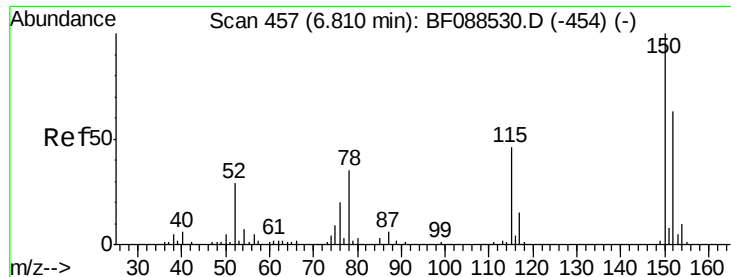
Instrument :
BNA_F
ClientSampleId :
C2.2-05

Manual Integrations

Quant Time: Jul 07 07:03:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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#1

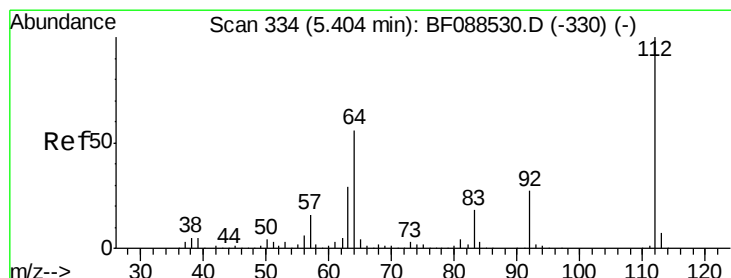
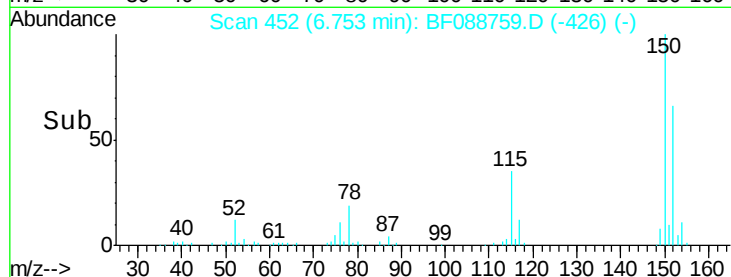
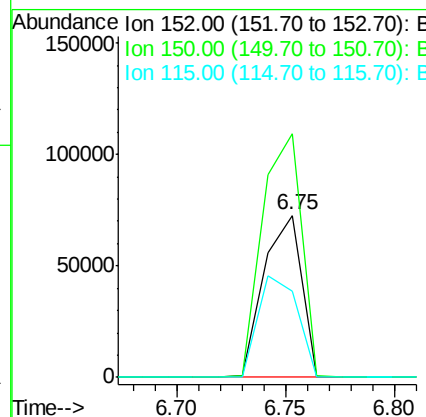
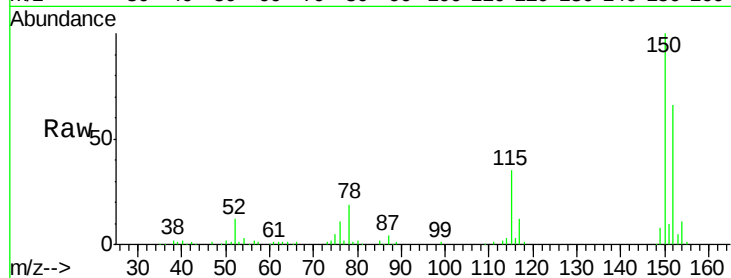
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Instrument :
BNA_F
ClientSampled :
C2.2-05

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	123.8	185.6
115	53.1	39.6	59.4

Manual Integrations

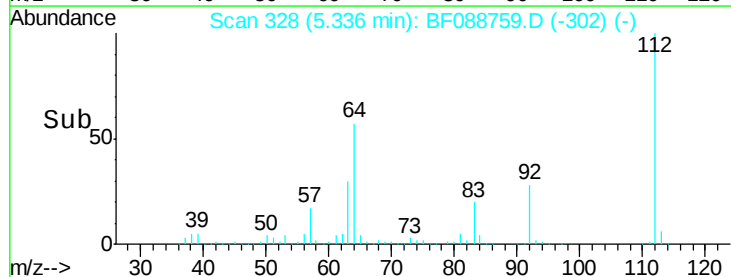
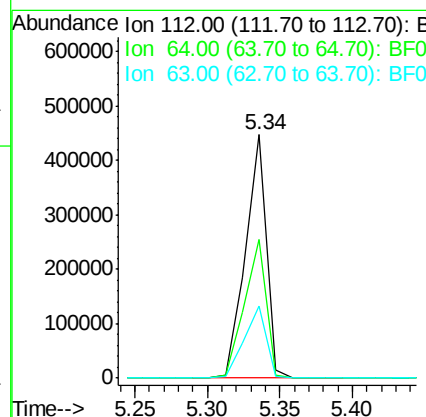
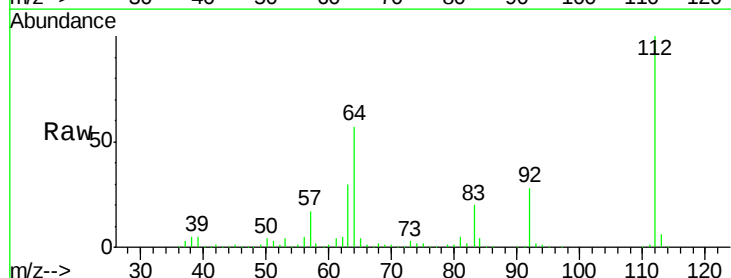
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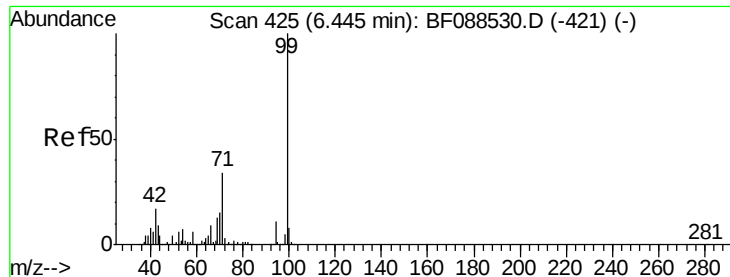


#5

2-Fluorophenol
Concen: 75.79 ng
RT: 5.34 min Scan# 328
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	42.2	63.2
63	29.7	21.8	32.8





#7

Phenol-d6

Concen: 83.42 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

C2.2-05

Tot Ion: 99 Resp: 635962

Ion Ratio Lower Upper

99 100

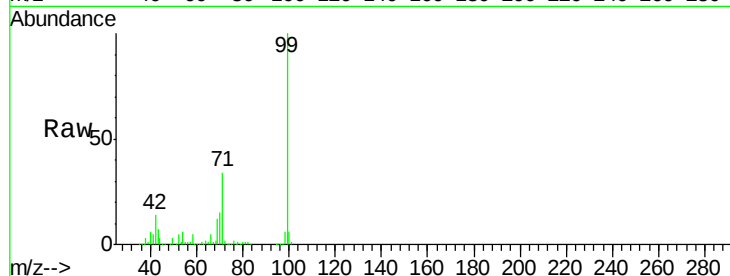
42 14.5 12.2 18.2

71 34.4 23.4 35.0

Manual Integrations

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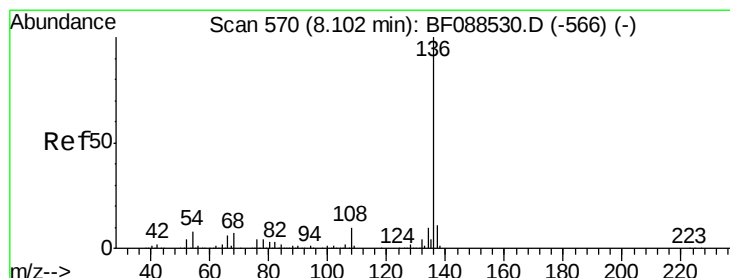
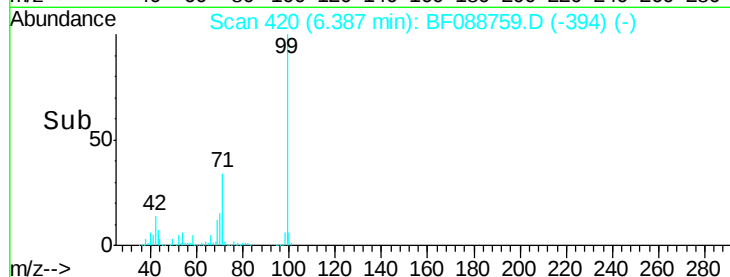
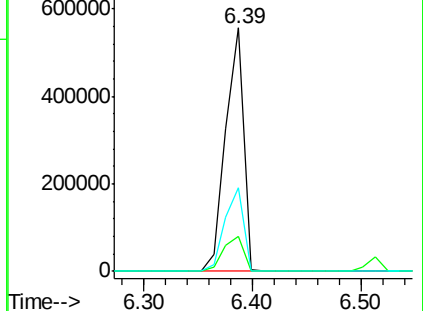
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Tgt Ion: 136 Resp: 377980

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.8 6.6 10.0

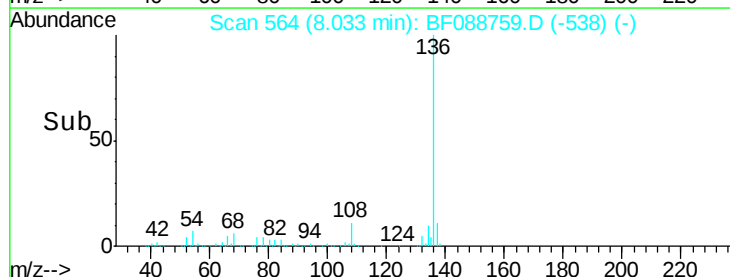
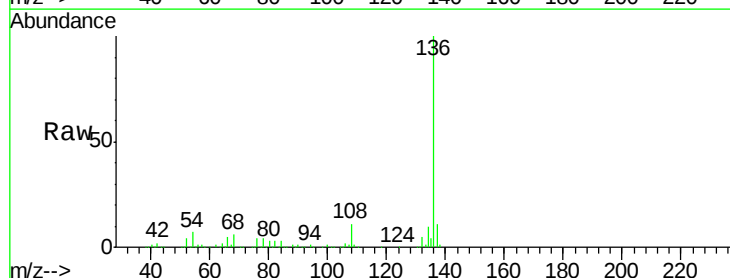
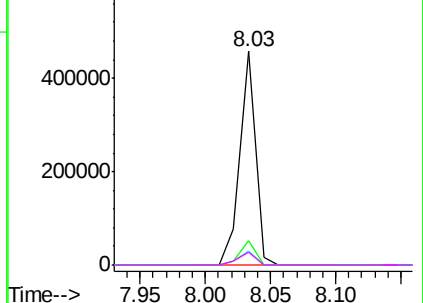
68 5.8 5.1 7.7

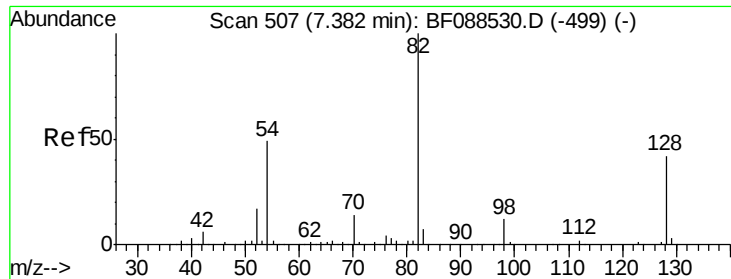
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





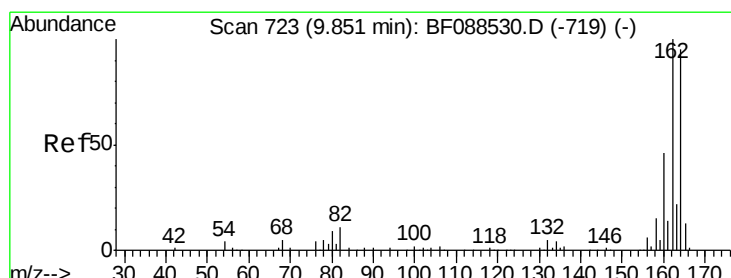
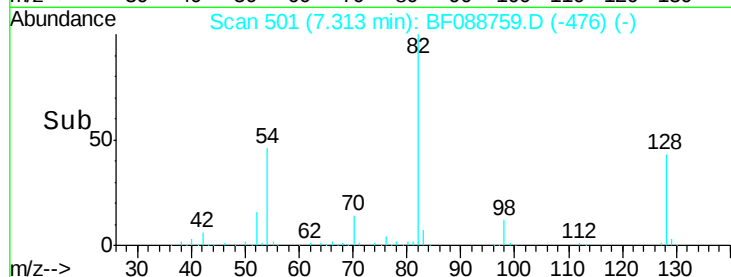
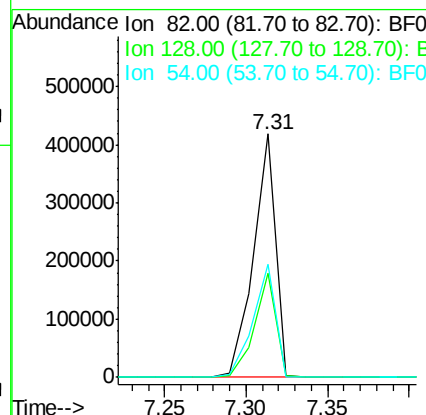
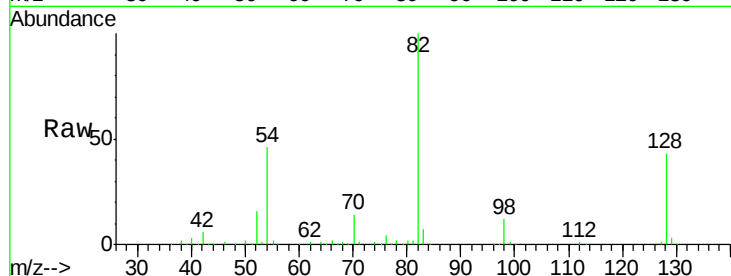
#23
 Nitrobenzene-d5
 Concen: 54.59 ng
 RT: 7.31 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-05

Tot Ion	82	Resp	393711
Ion Ratio	Lower	Upper	
82	100		
128	42.7	35.9	53.9
54	46.3	40.9	61.3

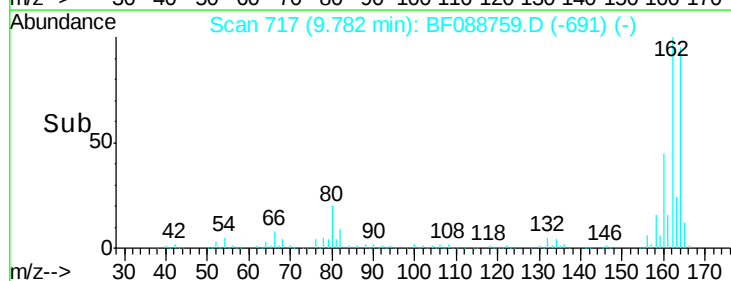
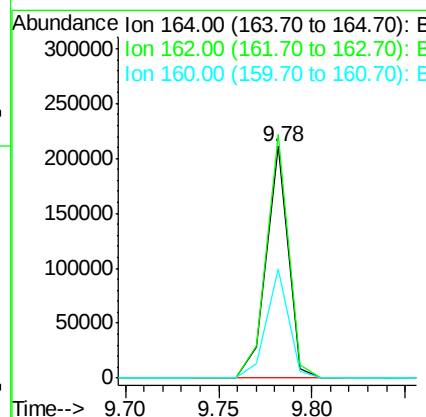
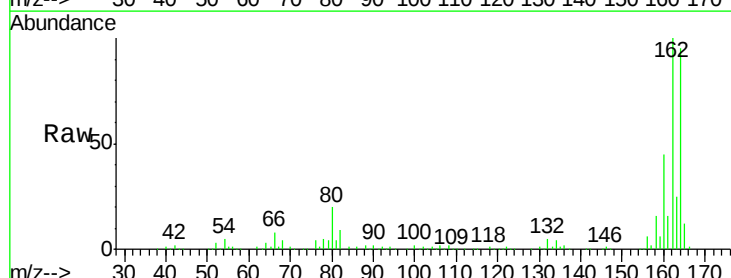
Manual Integrations

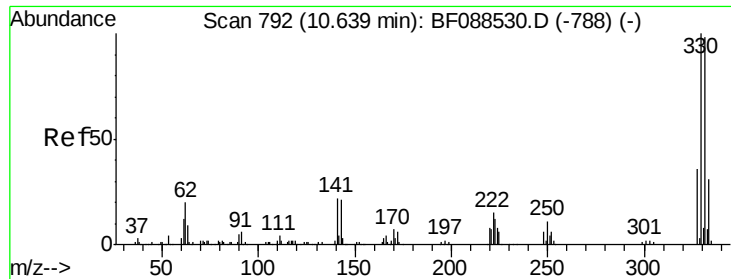
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Tgt Ion	164	Resp	170104
Ion Ratio	Lower	Upper	
164	100		
162	105.1	85.4	128.2
160	47.1	39.5	59.3





#41

2,4,6-Tribromophenol

Concen: 74.86 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

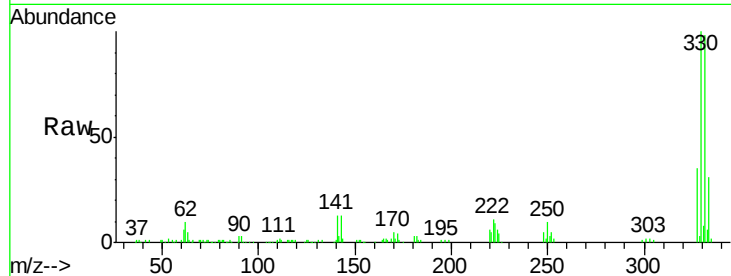
C2.2-05

Tot Ion:	330	Resp:	118255
Ion Ratio	Lower	Upper	
330	100		
332	97.5	0.0	0.0#
141	35.3	0.0	0.0#

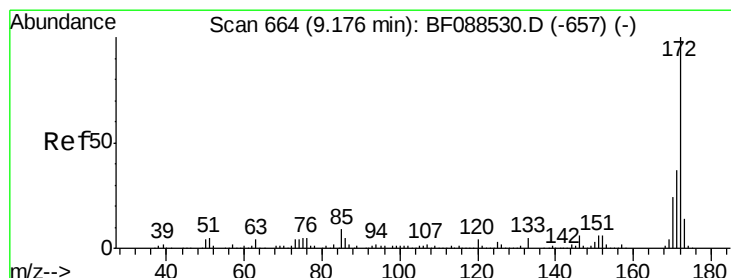
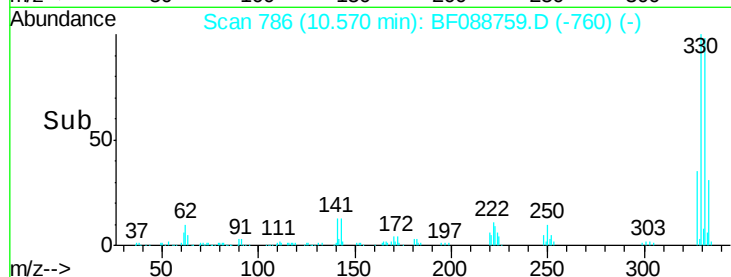
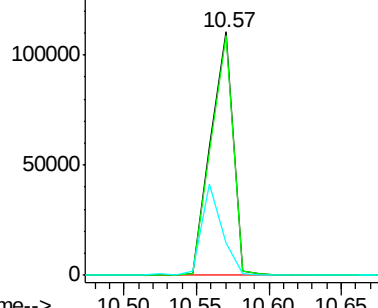
Manual Integrations

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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: 49.44 ng

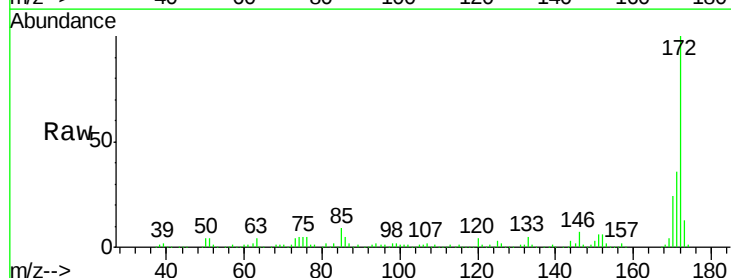
RT: 9.11 min Scan# 658

Delta R.T. -0.01 min

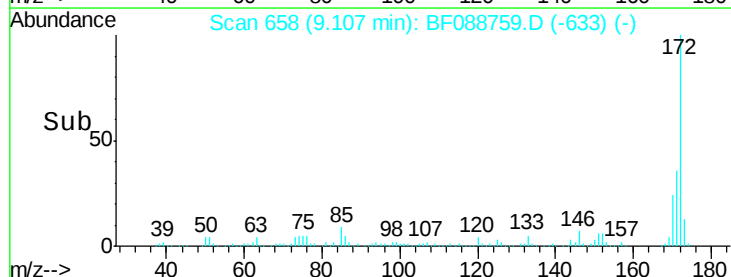
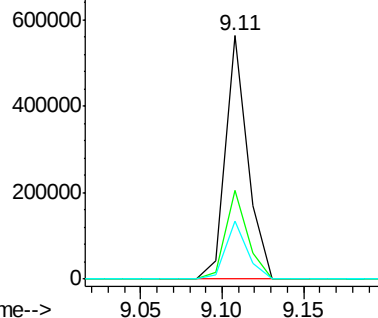
Lab File: BF088759.D

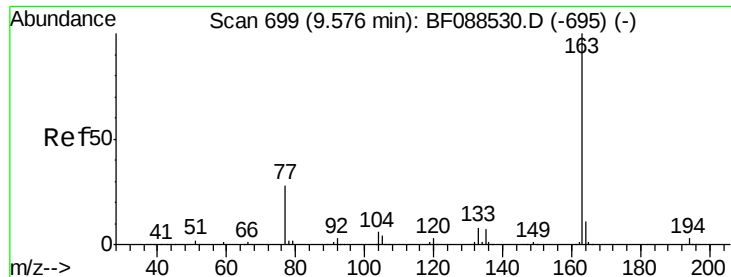
Acq: 7 Jul 2016 3:20

Tgt Ion:	172	Resp:	532461
Ion Ratio	Lower	Upper	
172	100		
171	36.4	28.6	43.0
170	23.8	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.42 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampled :

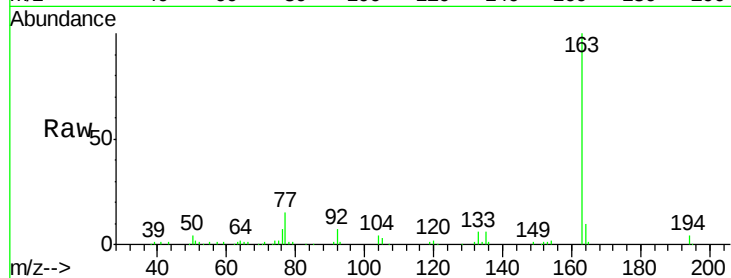
C2.2-05

Tot Ion:	163	Resp:	89897
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.8	4.2
164	9.6	8.3	12.5

Manual Integrations

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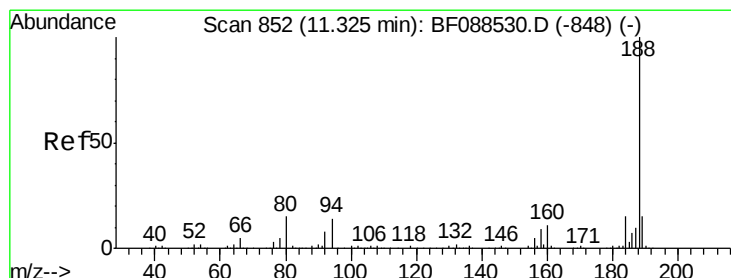
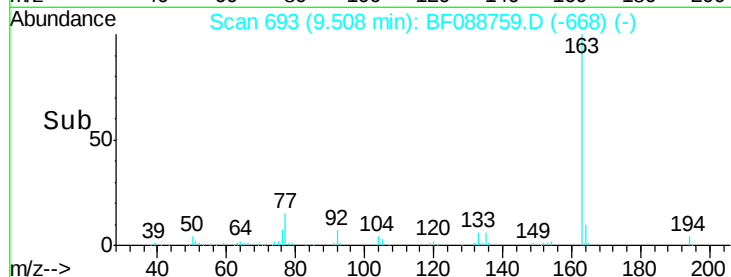
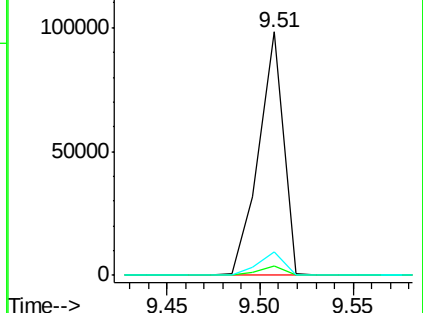
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Abundance Ion 163.00 (162.70 to 163.70): E

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

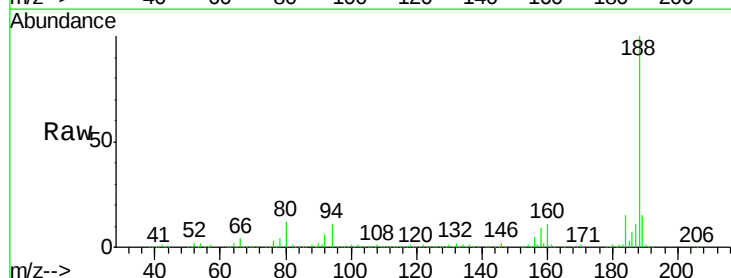
RT: 11.26 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

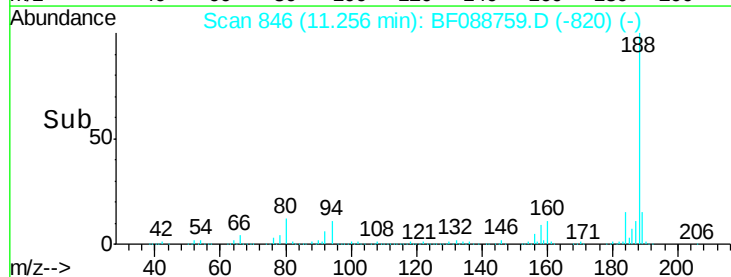
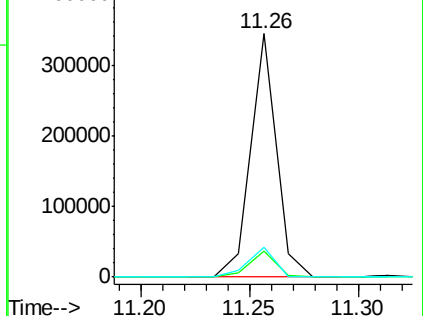
Tgt Ion:	188	Resp:	282620
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.0	13.6
80	12.2	10.0	15.0

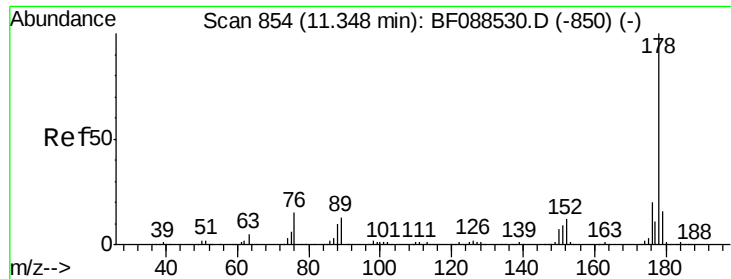


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





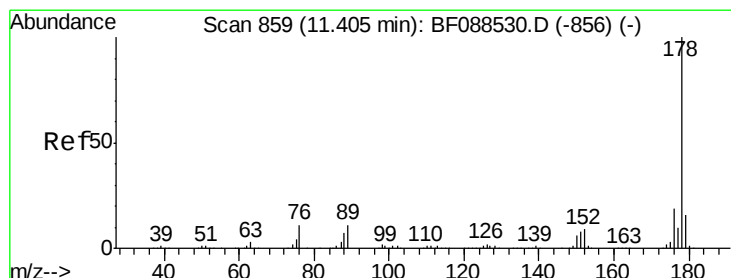
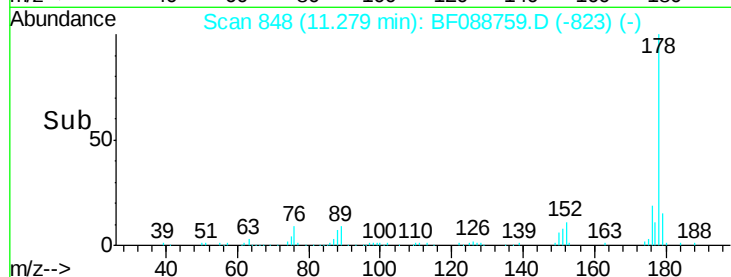
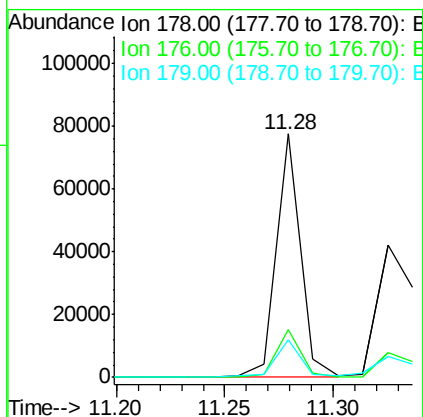
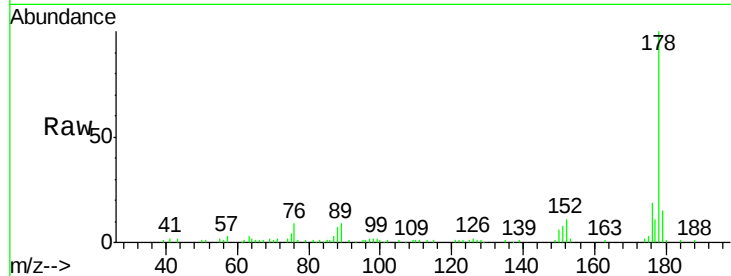
#70
Phenanthrene
Concen: 3.93 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Instrument :
BNA_F
ClientSampled :
C2.2-05

Tot Ion:178 Resp: 60767
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.3 13.0 19.4

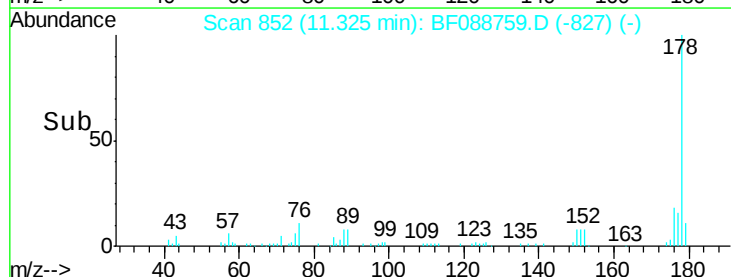
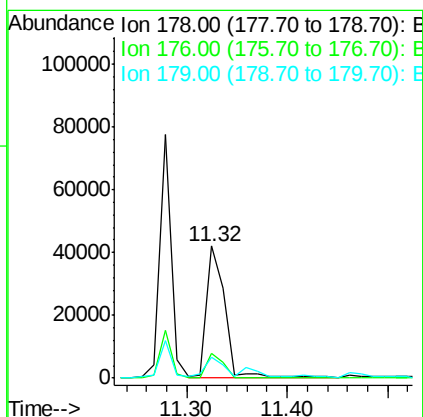
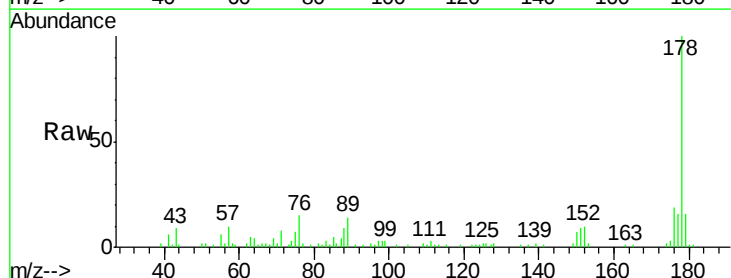
Manual Integrations

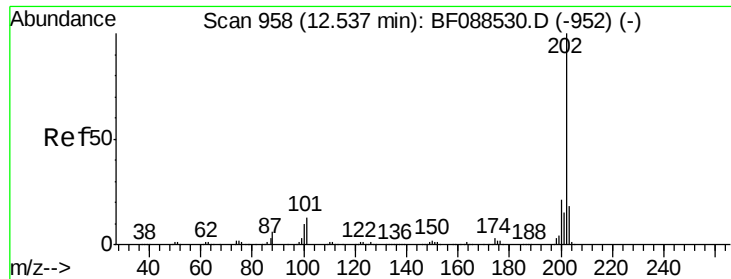
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#71
Anthracene
Concen: 3.48 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion:178 Resp: 53410
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 16.0 12.8 19.2





#74

Fluoranthene

Concen: 18.10 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

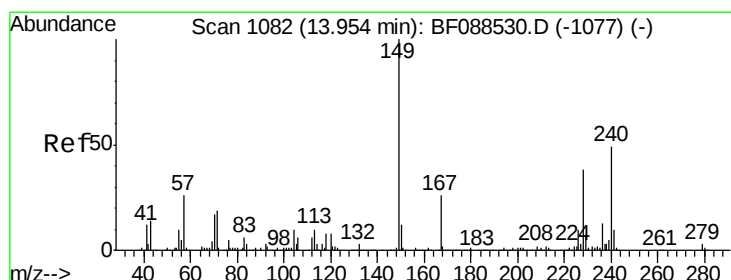
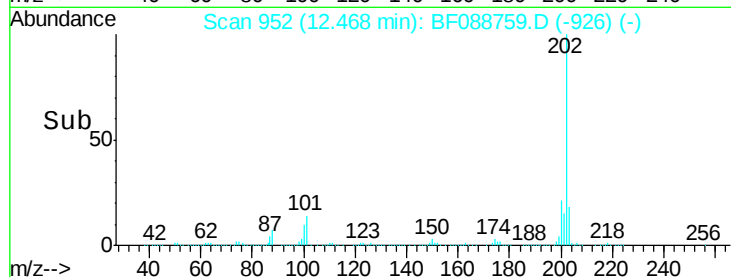
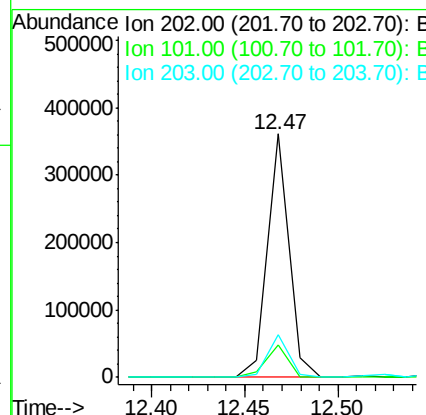
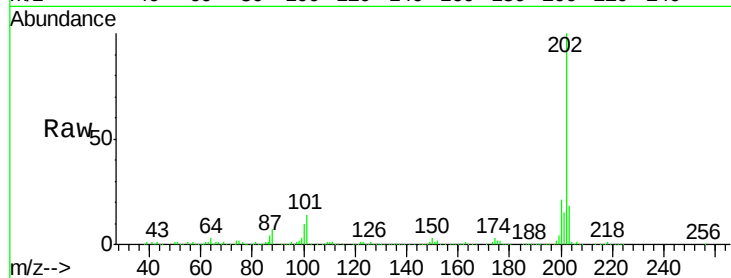
C2.2-05

Tot Ion:	202	Resp:	283413
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.1
203	17.7	0.0	38.1

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

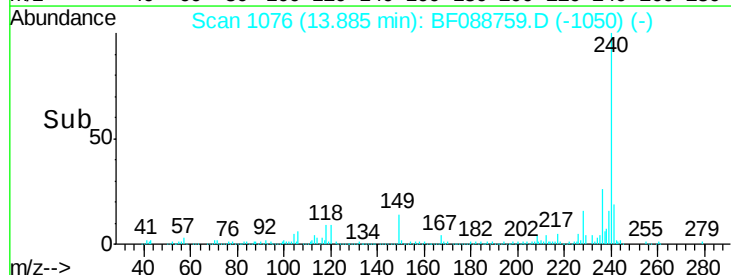
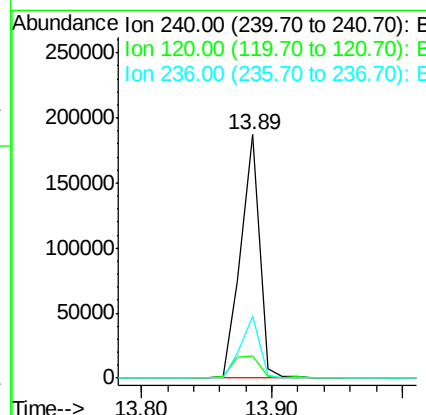
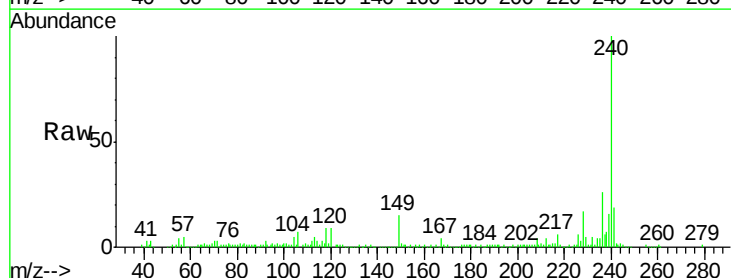
RT: 13.89 min Scan# 1076

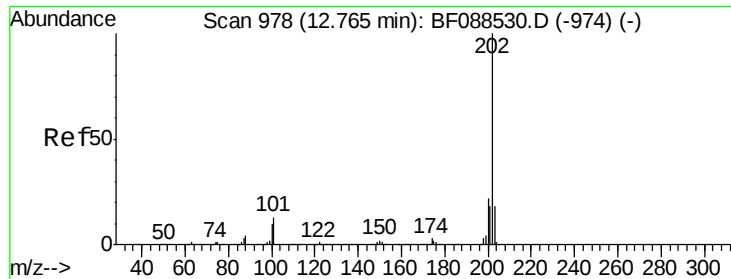
Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Tgt Ion:	240	Resp:	187727
Ion Ratio	Lower	Upper	
240	100		
120	9.1	6.8	10.2
236	25.6	20.2	30.2





#77

Pvrene

Concen: 17.01 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

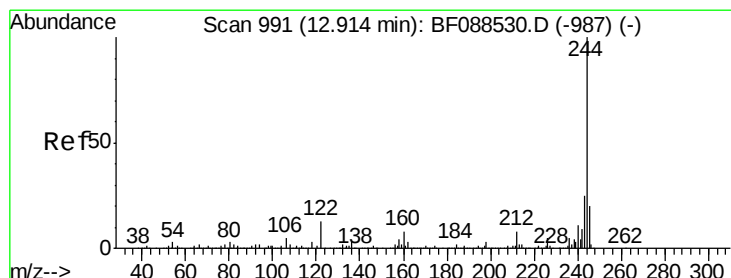
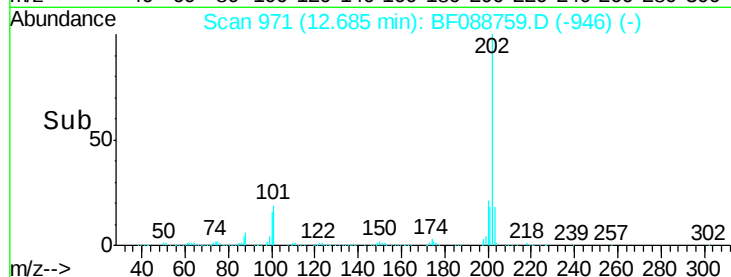
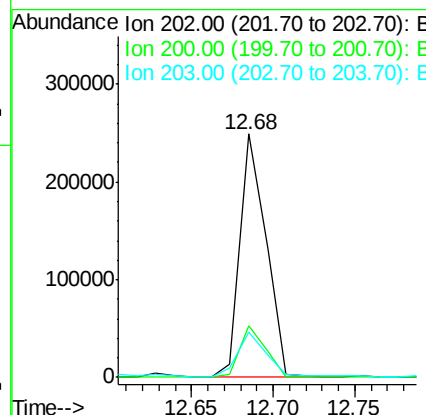
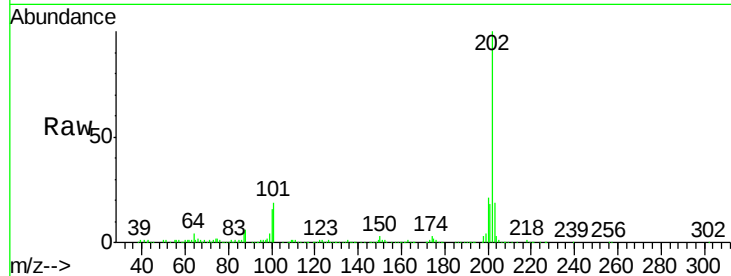
C2.2-05

Tot Ion:	202	Resp:	270805
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.6	14.5	21.7

Manual Integrations

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#78

Terphenyl-d14

Concen: 51.19 ng

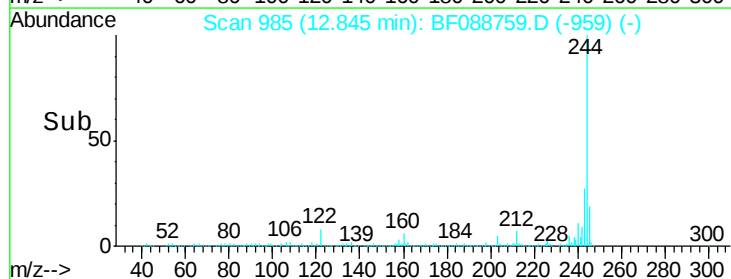
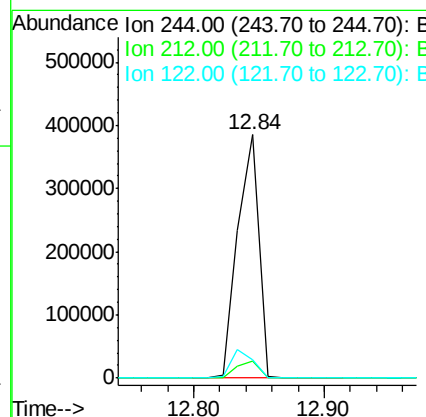
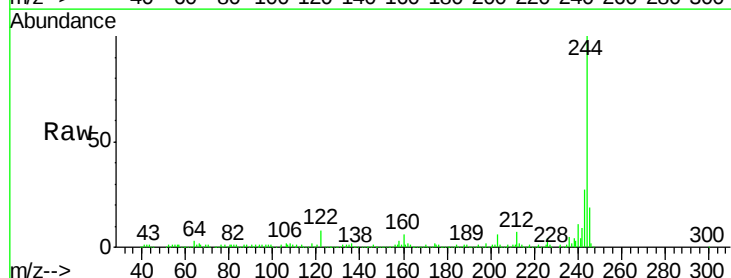
RT: 12.84 min Scan# 985

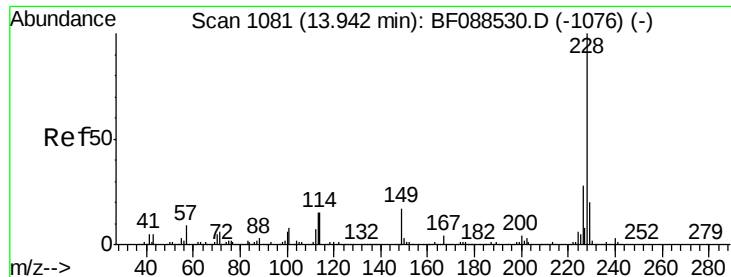
Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Tgt Ion:	244	Resp:	431438
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	7.7	11.2	16.8





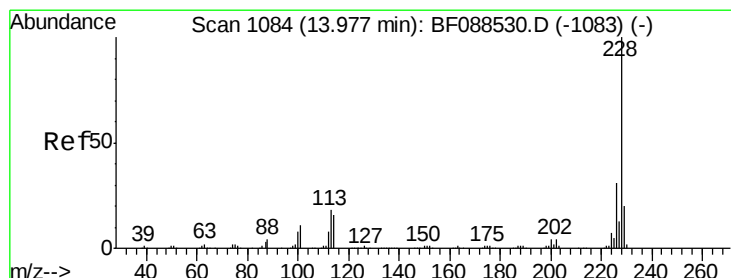
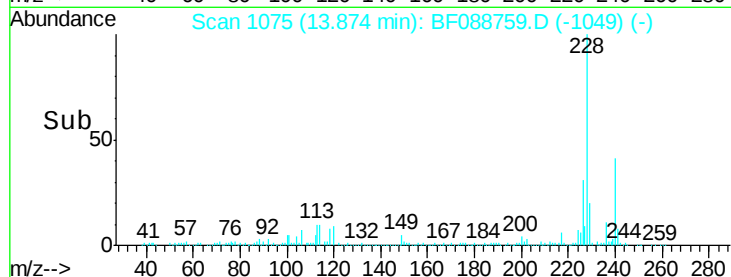
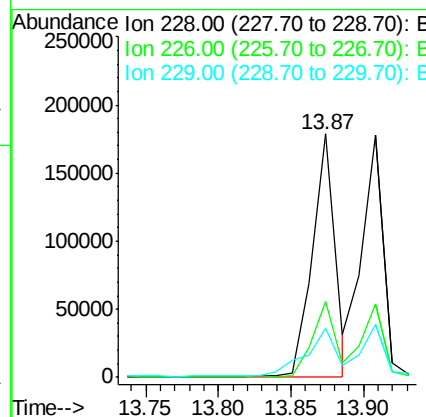
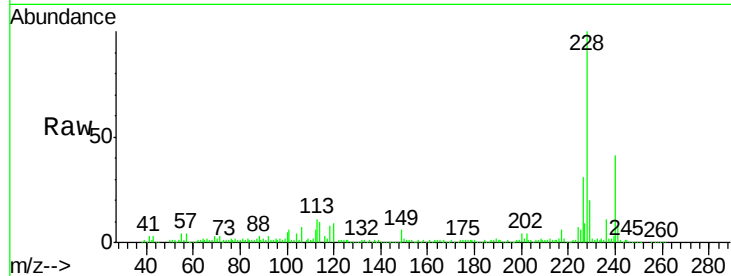
#80
Benzo(a)anthracene
Concen: 16.05 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Instrument :
BNA_F
ClientSampleId :
C2.2-05

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.0	22.3	33.5	
229	20.2	16.0	24.0	

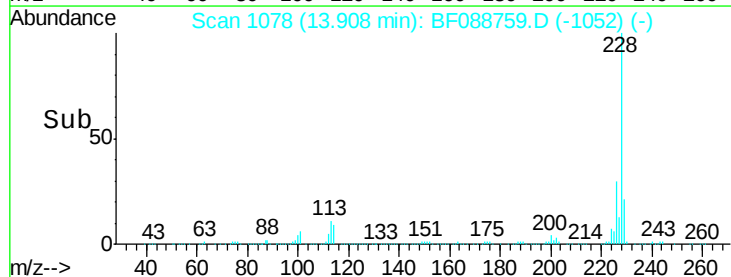
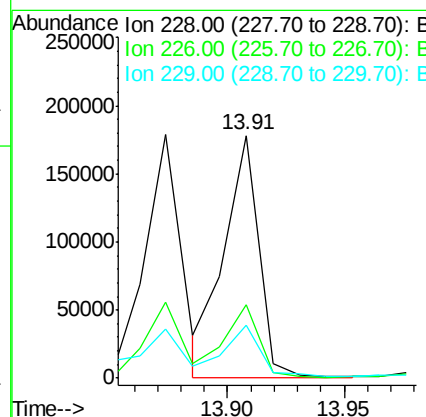
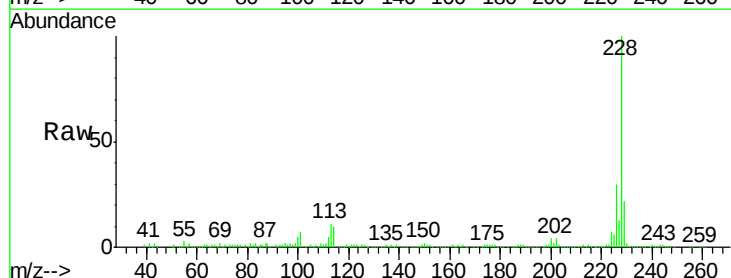
Manual Integrations

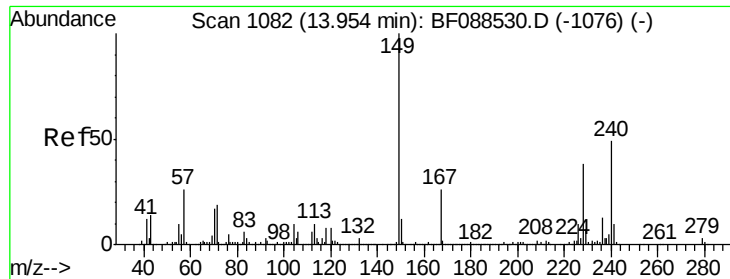
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#82
Chrysene
Concen: 15.41 ng m
RT: 13.91 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	30.4	25.4	38.2	
229	21.6	16.3	24.5	





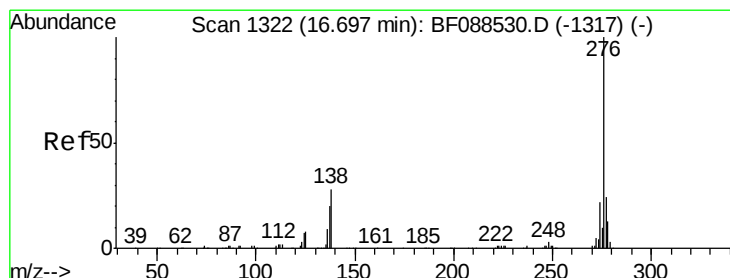
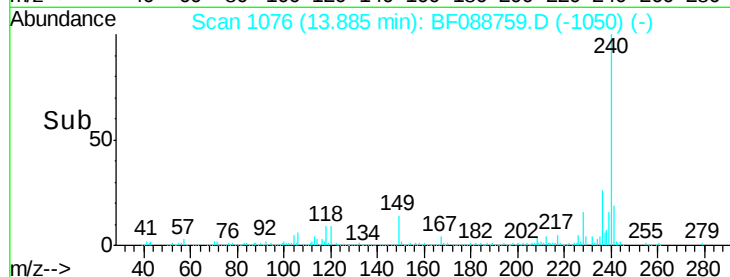
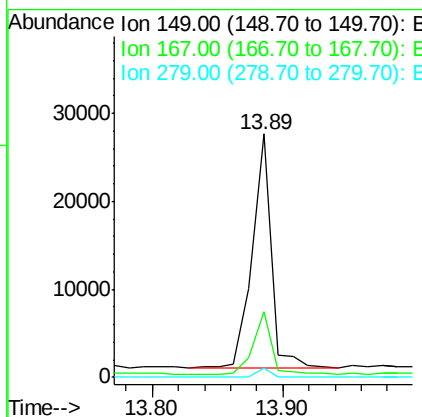
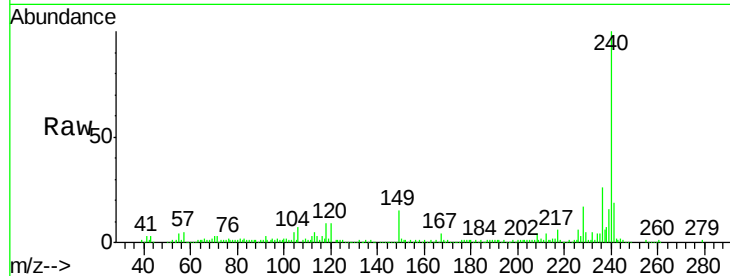
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.36 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-05

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.5	30.7
279	3.6	2.0	3.0#

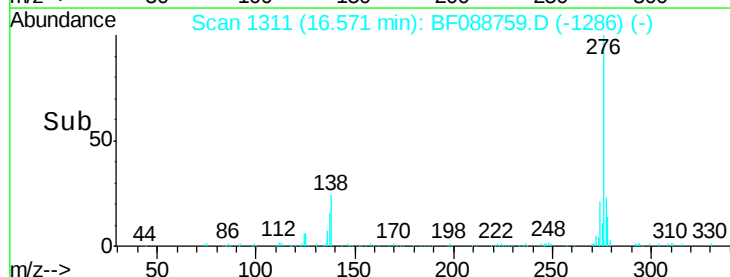
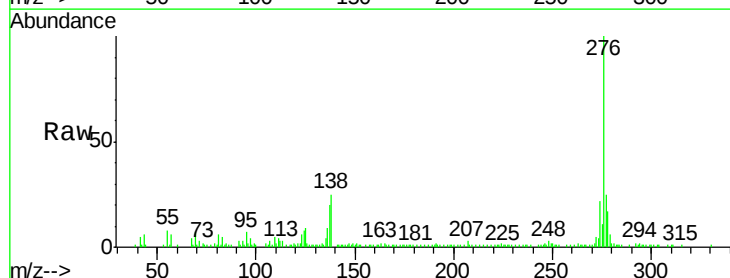
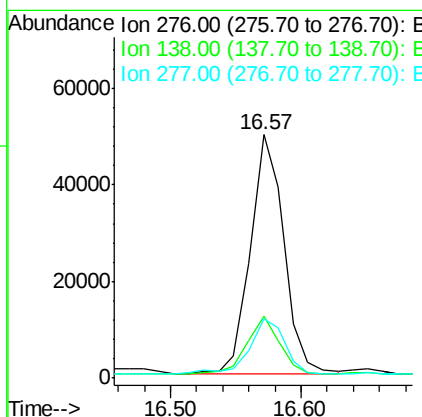
Manual Integrations

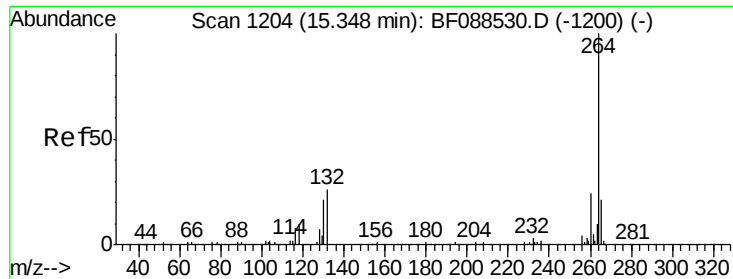
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.68 ng
 RT: 16.57 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	0.0	0.0#
277	26.3	0.0	0.0#





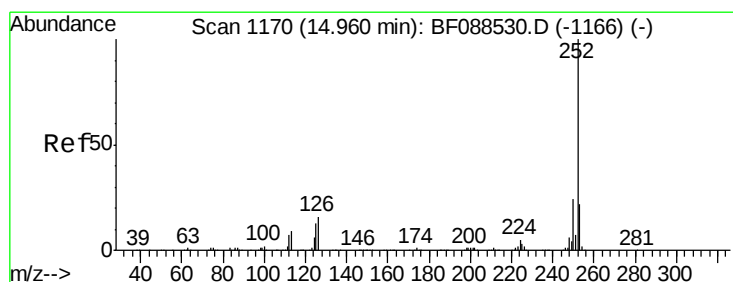
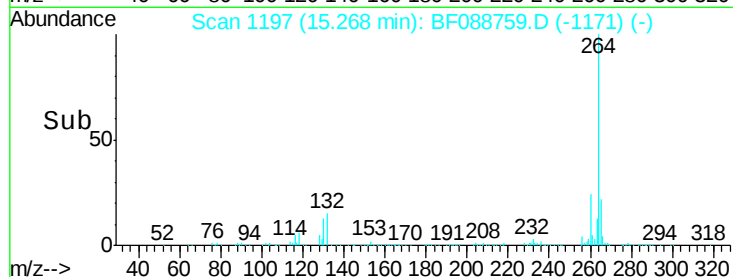
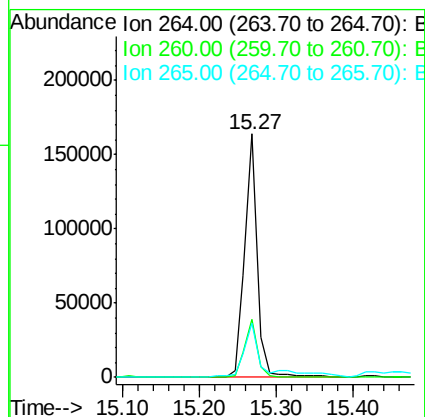
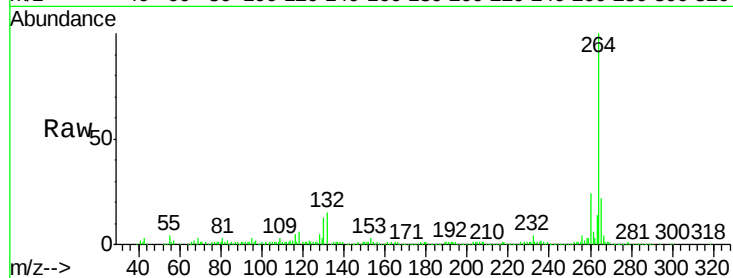
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Instrument :
BNA_F
ClientSampleId :
C2.2-05

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	16.9	25.3

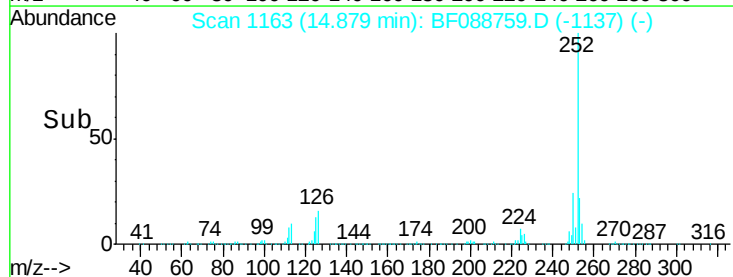
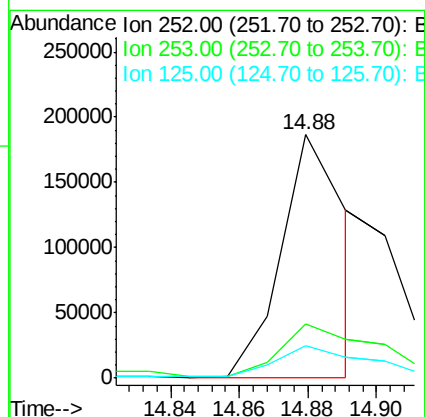
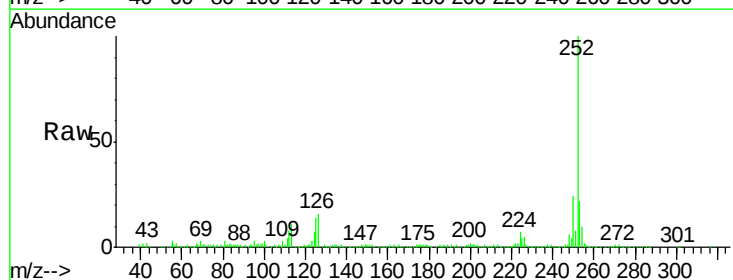
Manual Integrations

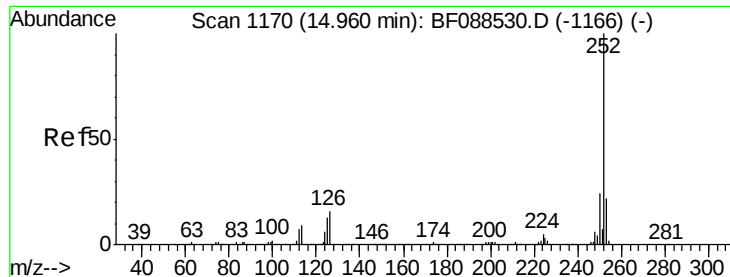
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#87
Benzo(b)fluoranthene
Concen: 20.97 ng m
RT: 14.88 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	13.6	7.1	10.7#





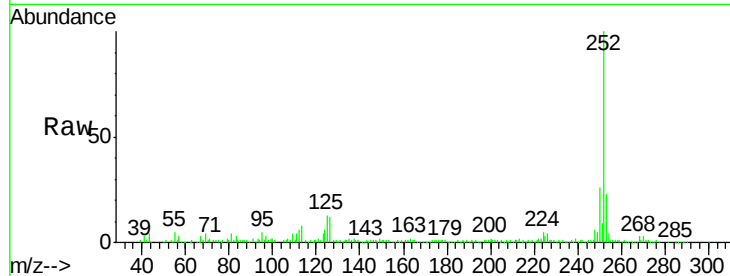
#88
Benzo(k)fluoranthene
Concen: 9.29 ng m
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Instrument :
BNA_F
ClientSampled :
C2.2-05

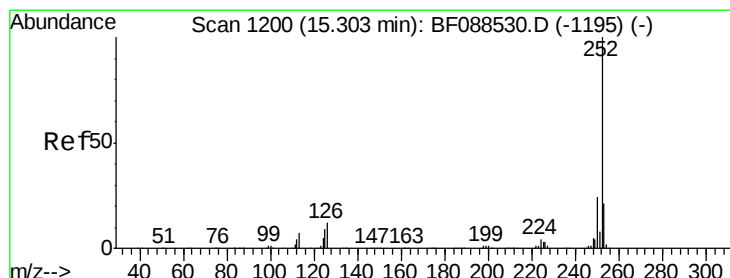
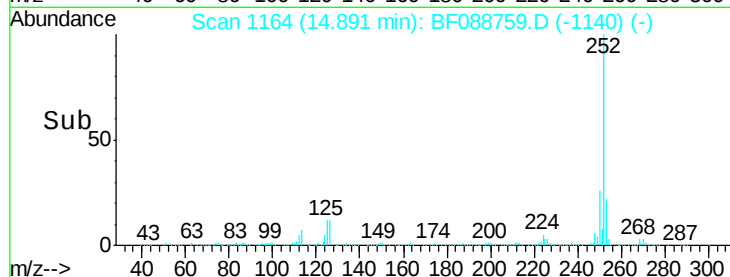
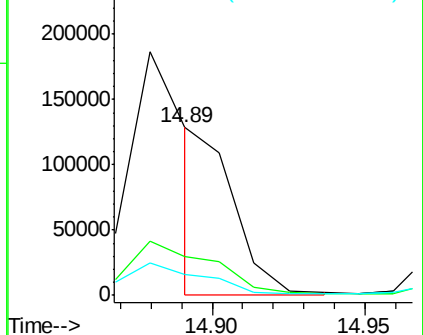
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.8	11.2	16.8

Manual Integrations

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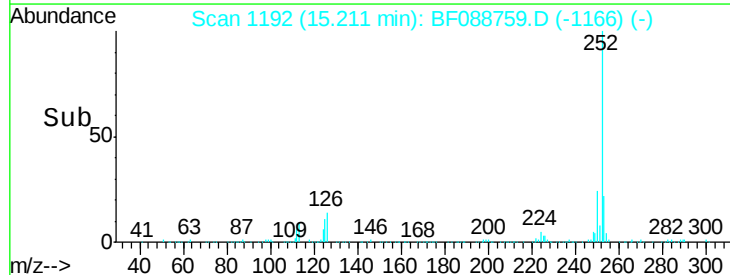
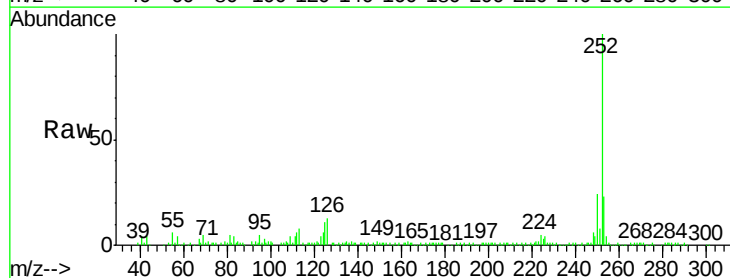
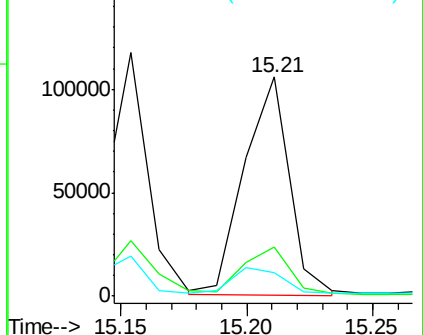
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

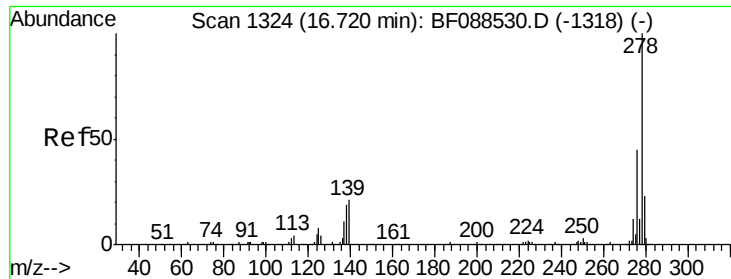


#89
Benzo(a)pyrene
Concen: 12.92 ng m
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	10.8	12.5	18.7

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





#90

Dibenzo(a,h)anthracene

Concen: 2.54 ng

RT: 16.58 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

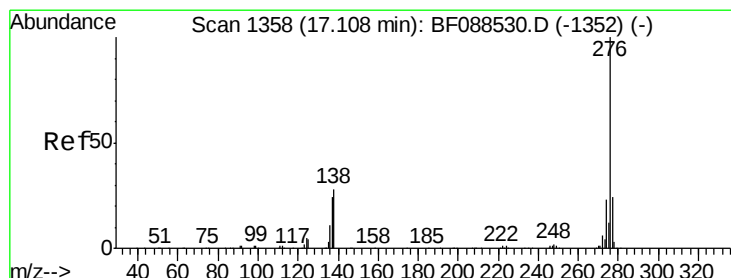
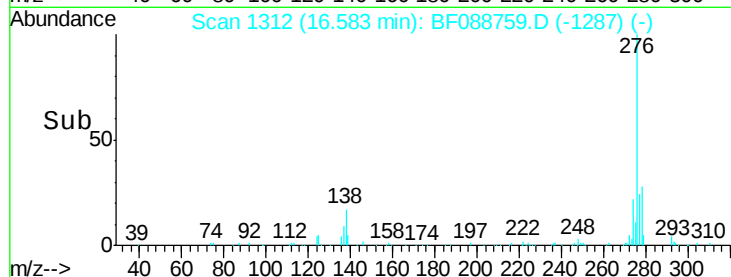
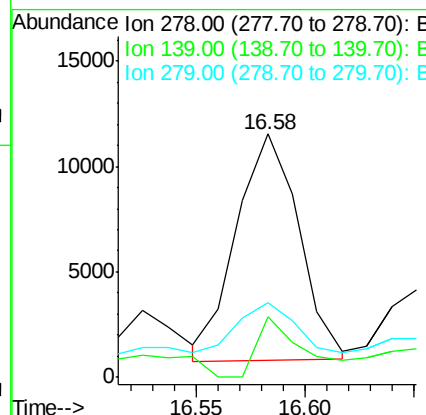
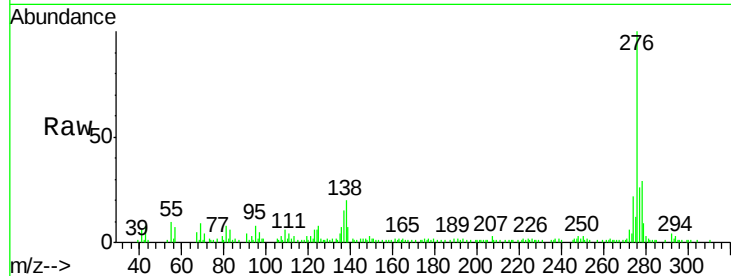
C2.2-05

Tot Ion:	278	Resp:	21396
Ion Ratio	Lower	Upper	
278	100		
139	25.1	15.7	23.5#
279	30.4	19.4	29.2#

Manual Integrations

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#91

Benzo(g,h,i)perylene

Concen: 9.79 ng

RT: 16.97 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Tgt Ion:	276	Resp:	85275
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.9	28.3
138	23.9	21.4	32.2

