

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089048.D
 Acq On : 16 Jul 2016 11:36
 Operator : UM/SJ
 Sample : H3951-16 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB06(0-2in)

Manual Integrations

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 7/18/2016 7:36:35 PM

Quant Time: Jul 18 01:28:03 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	57707	20.00	ng	-0.05
21) Naphthalene-d8	7.94	136	208500	20.00	ng	-0.06
38) Acenaphthene-d10	9.70	164	100776	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	166845	20.00	ng	-0.05
75) Chrysene-d12	13.82	240	109082	20.00	ng	-0.03
86) Perylene-d12	15.19	264	103085	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	56417	14.65	ng	-0.05
7) Phenol-d6	6.31	99	78698	15.82	ng	-0.05
23) Nitrobenzene-d5	7.22	82	50657	12.73	ng	-0.06
41) 2,4,6-Tribromophenol	10.49	330	9834	10.51	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	95227	14.93	ng	-0.05
78) Terphenyl-d14	12.77	244	57177	11.67	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.43	163	22489	3.13	ng	Qvalue 99
70) Phenanthrene	11.20	178	43665	4.79	ng	98
74) Fluoranthene	12.39	202	68157	7.37	ng	94
77) Pyrene	12.62	202	60566	6.55	ng	97
79) Butylbenzylphthalate	13.25	149	55797	13.52	ng	# 66
80) Benzo(a)anthracene	13.81	228	32947	4.69	ng	96
82) Chrysene	13.84	228	30720m	4.42	ng	
83) Bis(2-ethylhexyl)phthalate	13.82	149	41011	8.71	ng	# 97
84) Di-n-octyl phthalate	14.45	149	34226	4.28	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.46	276	30089	5.63	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	52613m	8.14	ng	
88) Benzo(k)fluoranthene	14.82	252	11687m	2.08	ng	
89) Benzo(a)pyrene	15.13	252	33922	6.20	ng	# 89
91) Benzo(a,h,i)perylene	16.85	276	34193	7.23	ng	95

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

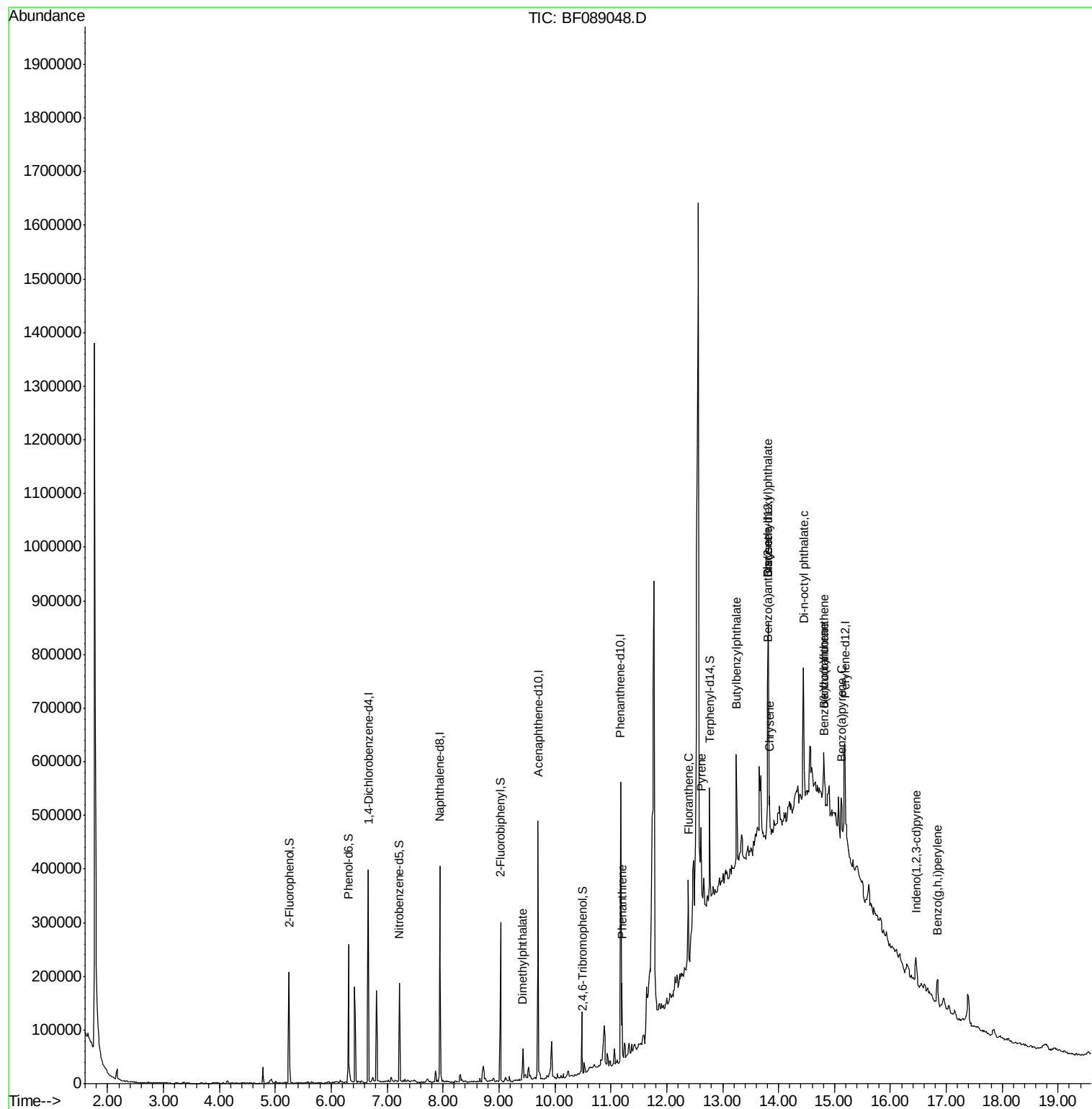
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
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ALS Vial : 3 Sample Multiplier: 1

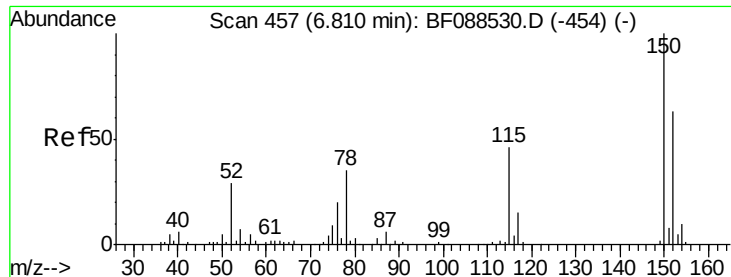
Instrument :
BNA_F
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Quant Time: Jul 18 01:28:03 2016
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#1

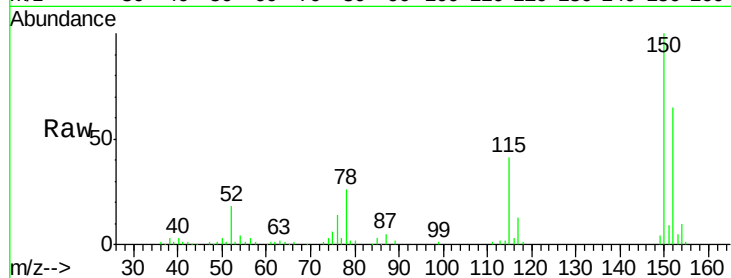
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB06(0-2in)

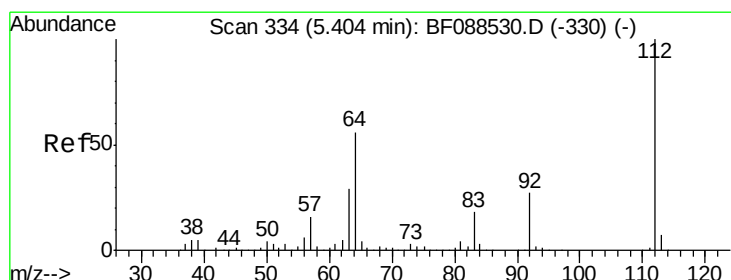
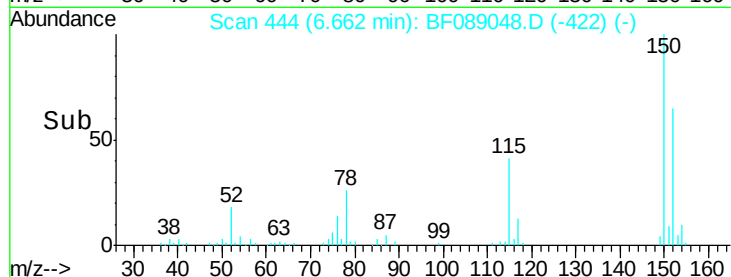
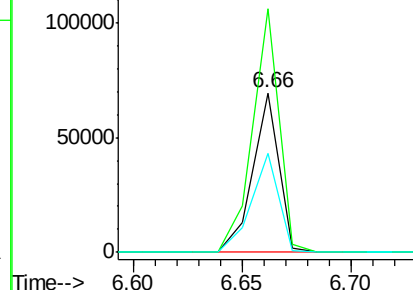
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.6
115	62.5	39.6	59.4

Manual Integrations

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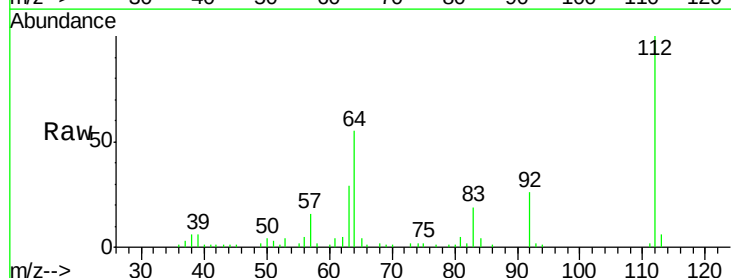
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



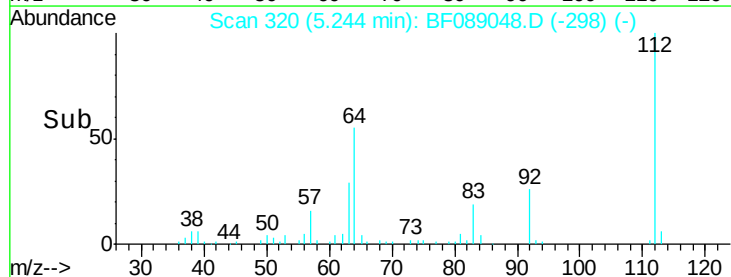
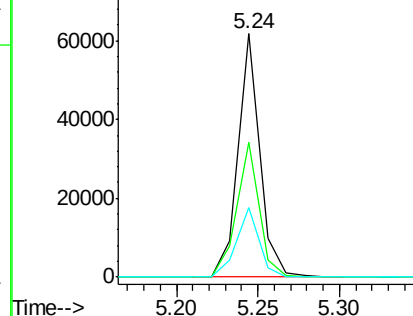
#5

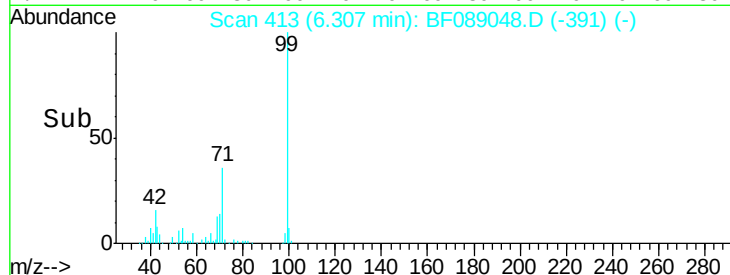
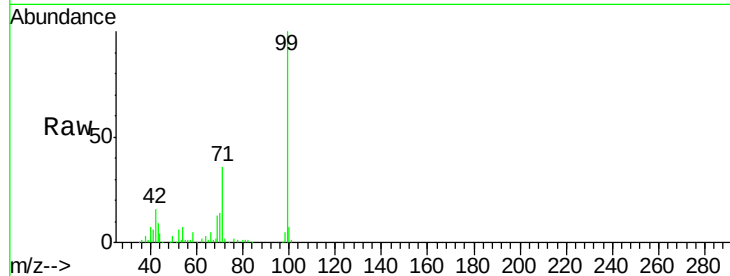
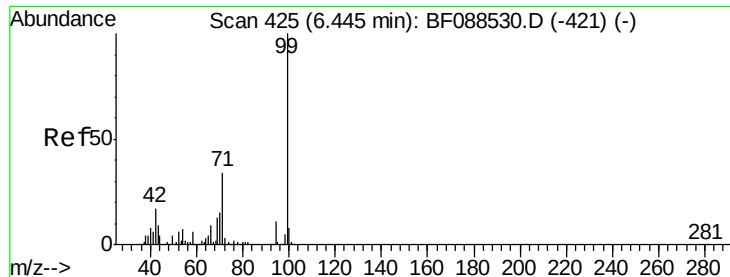
2-Fluorophenol
Concen: 14.65 ng
RT: 5.24 min Scan# 320
Delta R.T. -0.05 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	42.2	63.2
63	28.6	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: 15.82 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Tot Ion: 99 Resp: 78698

Ion Ratio Lower Upper

99 100

42 16.5 12.2 18.2

71 36.5 23.4 35.0#

Instrument :

BNA_F

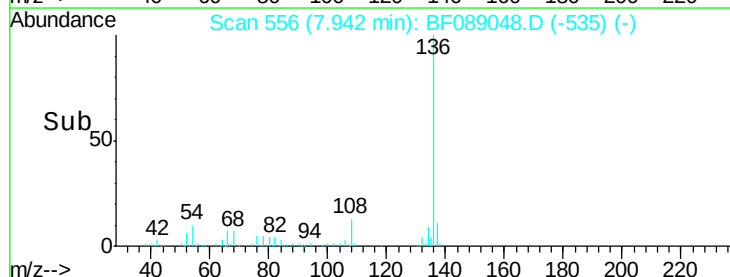
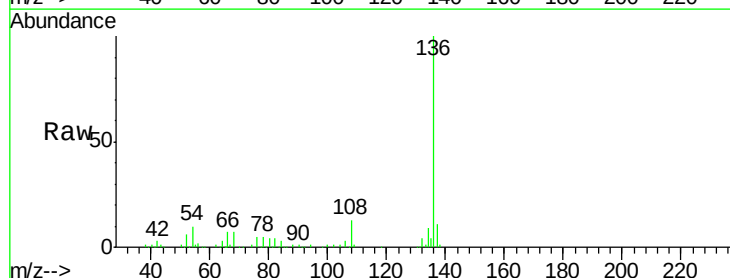
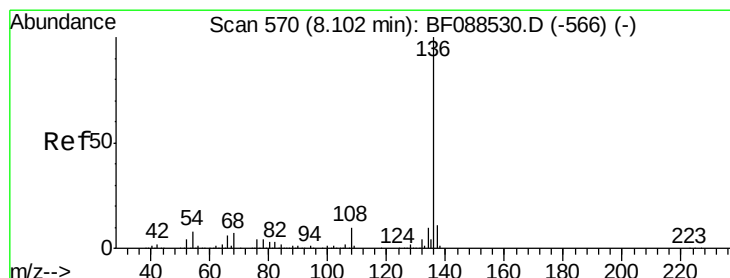
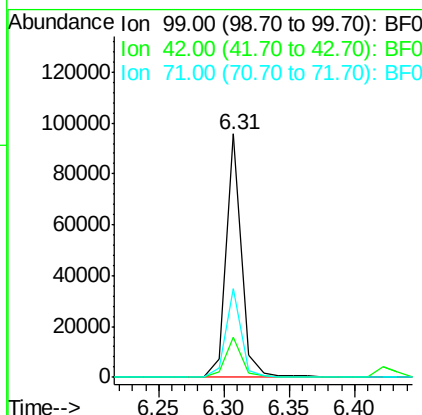
ClientSampleId :

LSS-SB-SB06(0-2in)

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Tgt Ion: 136 Resp: 208500

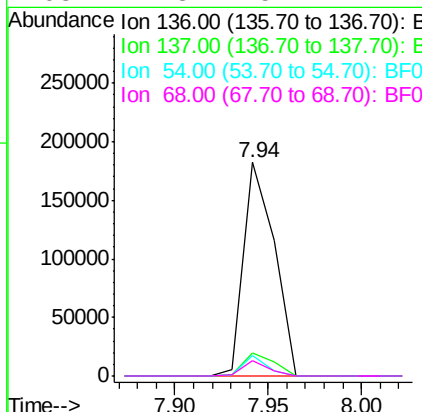
Ion Ratio Lower Upper

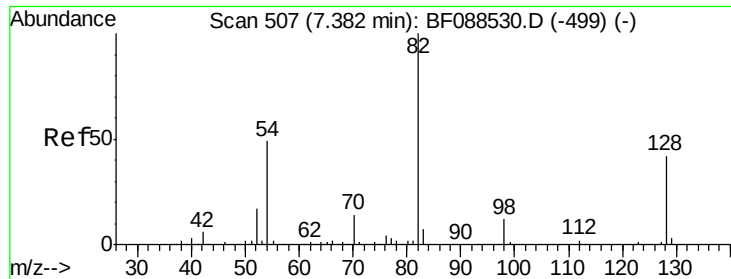
136 100

137 10.9 9.1 13.7

54 9.6 6.6 10.0

68 7.3 5.1 7.7





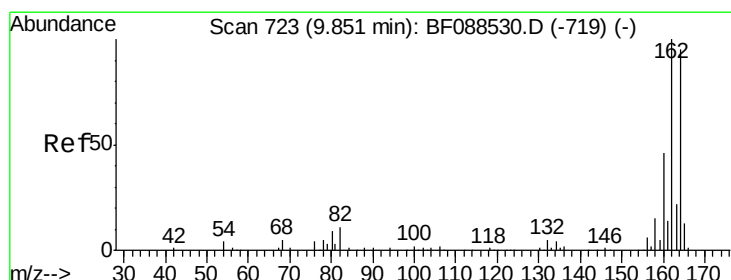
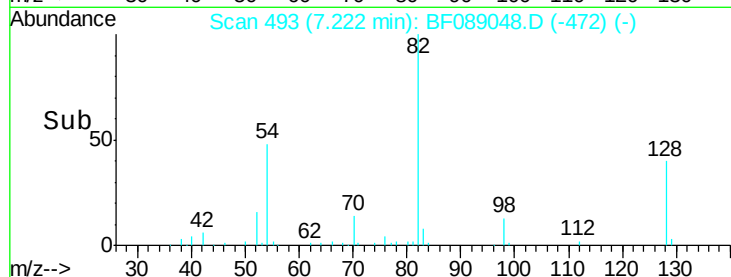
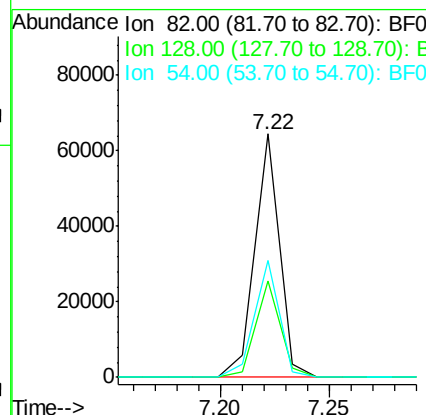
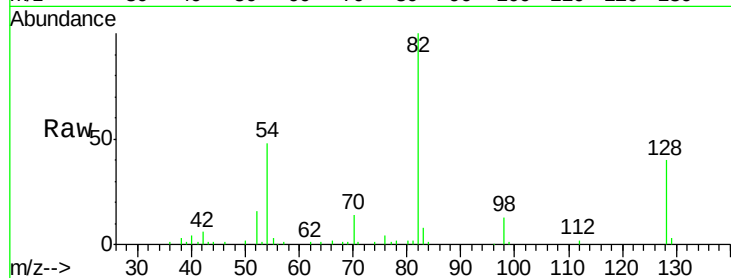
#23
 Nitrobenzene-d5
 Concen: 12.73 ng
 RT: 7.22 min Scan# 493
 Delta R.T. -0.06 min
 Lab File: BF089048.D
 Acq: 16 Jul 2016 11:36

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB06(0-2in)

Tot Ion:	82	Resp:	50657
Ion Ratio	Lower	Upper	
82	100		
128	39.5	35.9	53.9
54	48.1	40.9	61.3

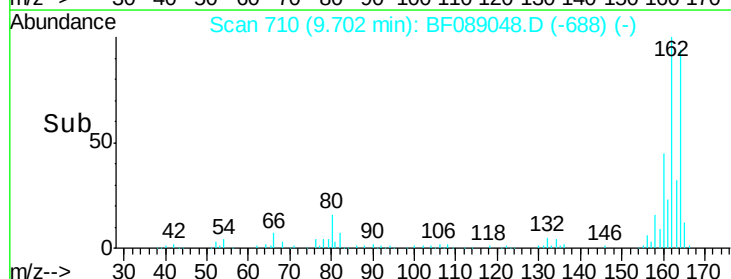
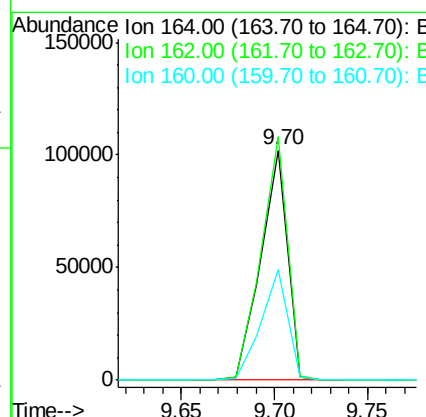
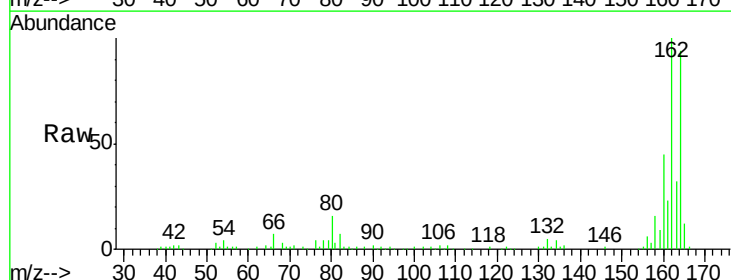
Manual Integrations

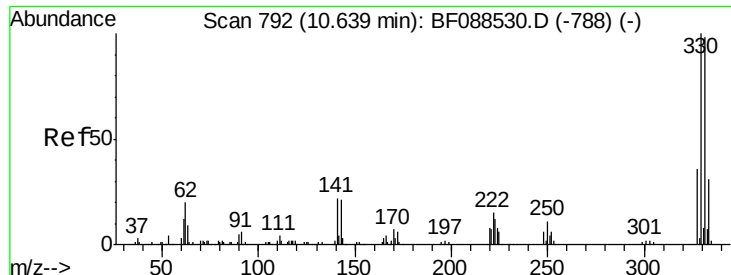
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF089048.D
 Acq: 16 Jul 2016 11:36

Tgt Ion:	164	Resp:	100776
Ion Ratio	Lower	Upper	
164	100		
162	106.0	85.4	128.2
160	48.1	39.5	59.3





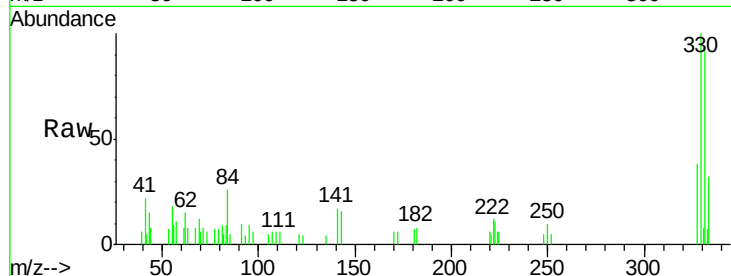
#41
 2,4,6-Tribromophenol
 Concen: 10.51 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089048.D
 Acq: 16 Jul 2016 11:36

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB06(0-2in)

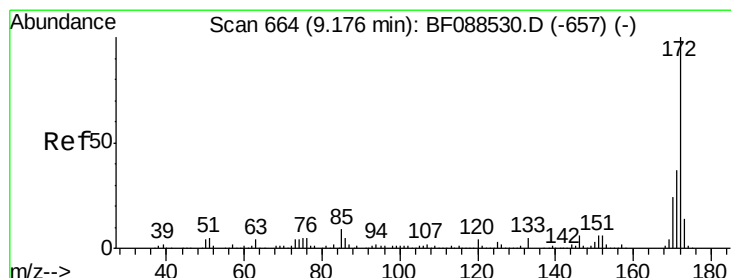
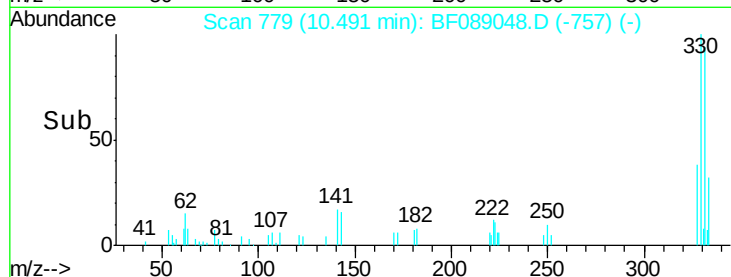
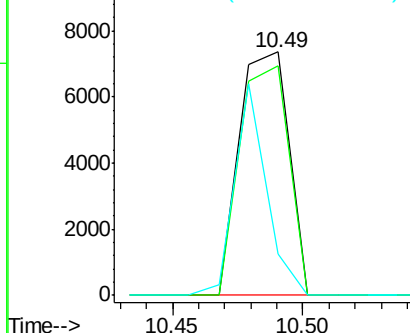
Tot Ion:	330	Resp:	9834
Ion Ratio	Lower	Upper	
330	100		
332	93.5	0.0	0.0#
141	55.6	0.0	0.0#

Manual Integrations

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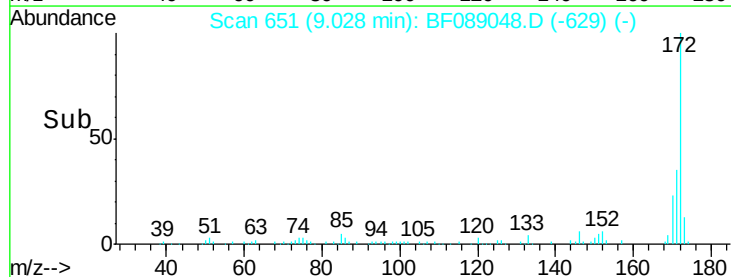
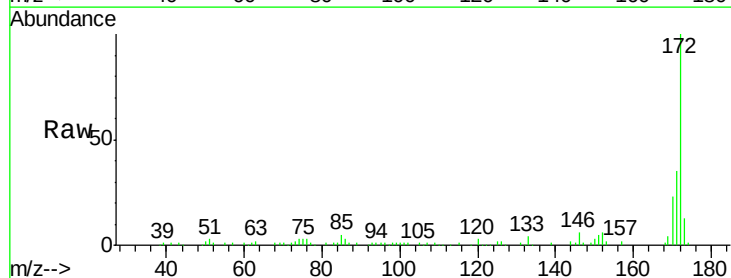
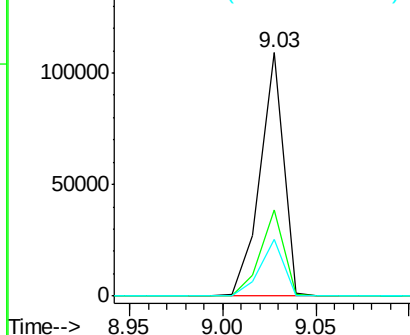
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

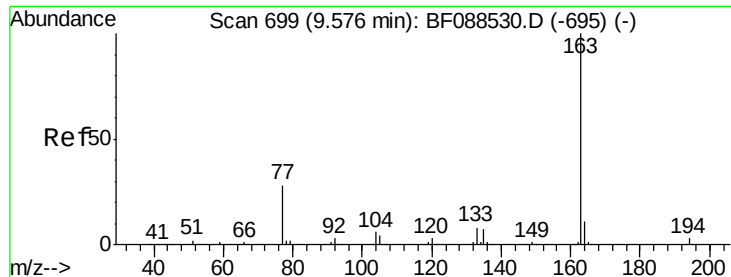


#44
 2-Fluorobiphenyl
 Concen: 14.93 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089048.D
 Acq: 16 Jul 2016 11:36

Tgt Ion:	172	Resp:	95227
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.6	43.0
170	23.2	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: 3.13 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB06(0-2in)

Tot Ion:163 Resp: 22489

Ion Ratio Lower Upper

163 100

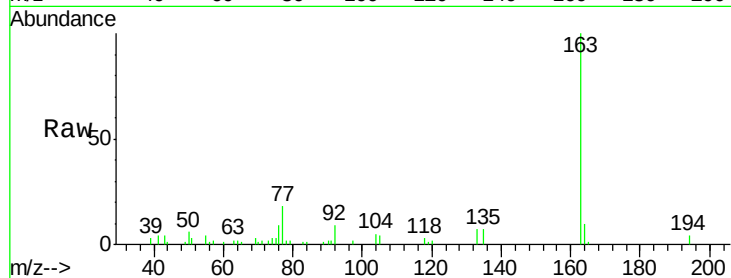
194 3.9 2.8 4.2

164 10.1 8.3 12.5

Manual Integrations

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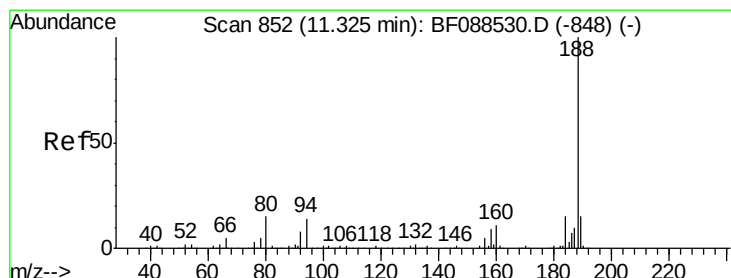
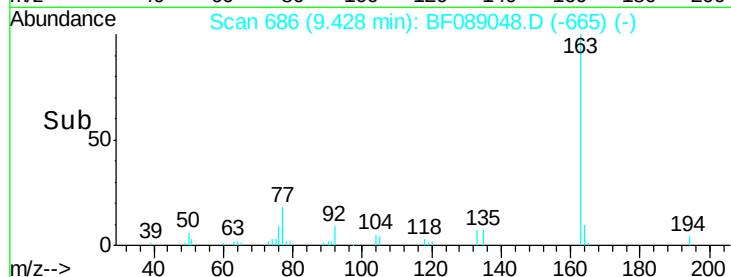
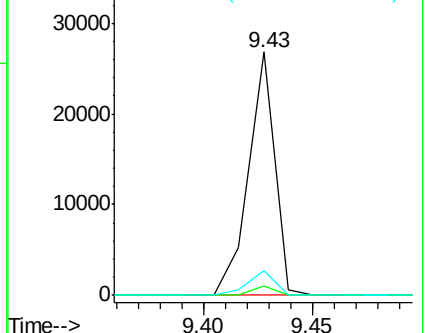
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Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.18 min Scan# 839

Delta R.T. -0.05 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

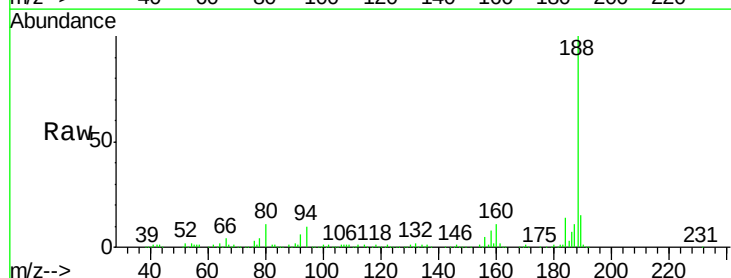
Tgt Ion:188 Resp: 166845

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.6

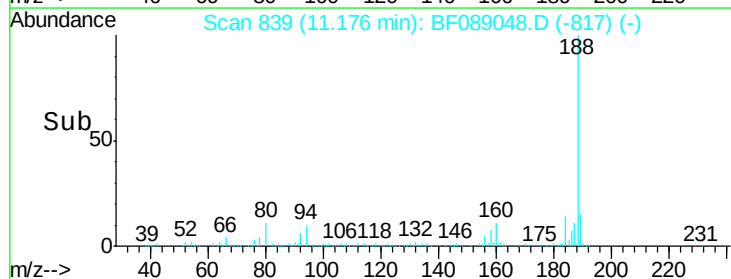
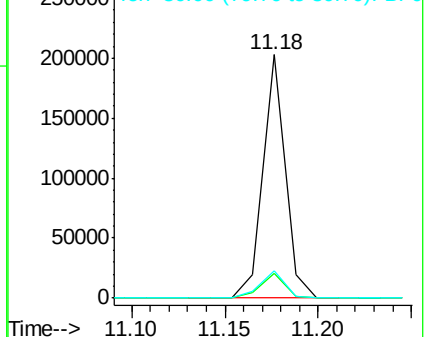
80 11.3 10.0 15.0

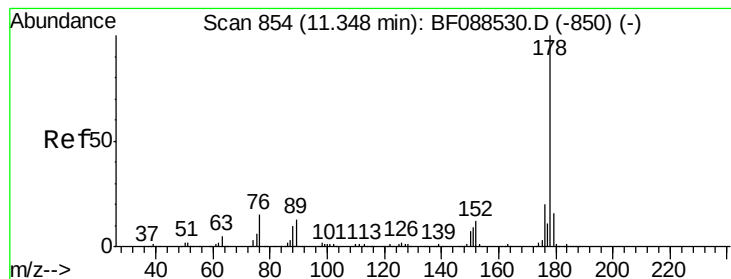


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.79 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.05 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB06(0-2in)

Tot Ion:178 Resp: 43665

Ion Ratio Lower Upper

178 100

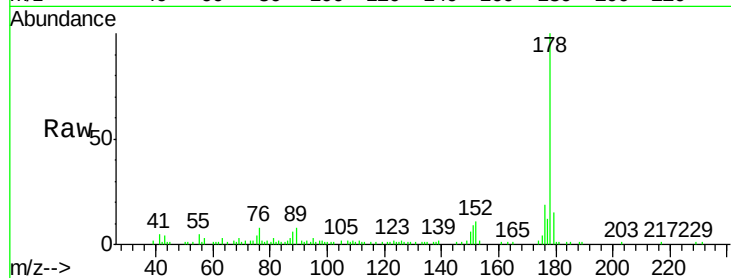
176 19.1 15.8 23.6

179 14.9 13.0 19.4

Manual Integrations

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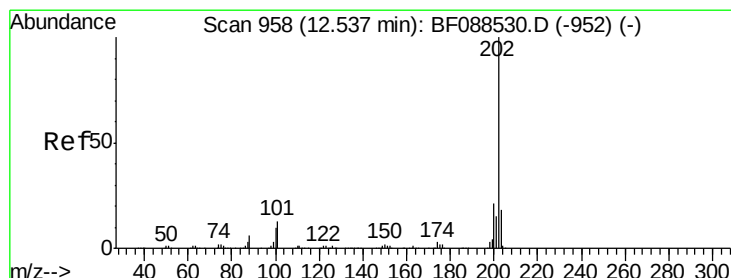
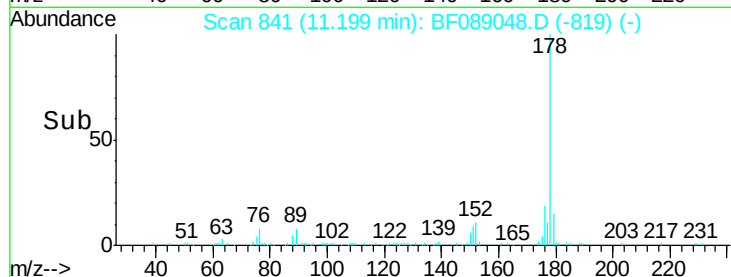
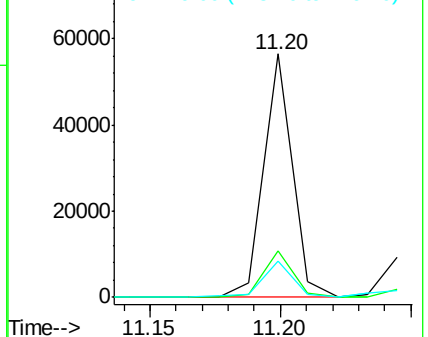
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 7.37 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

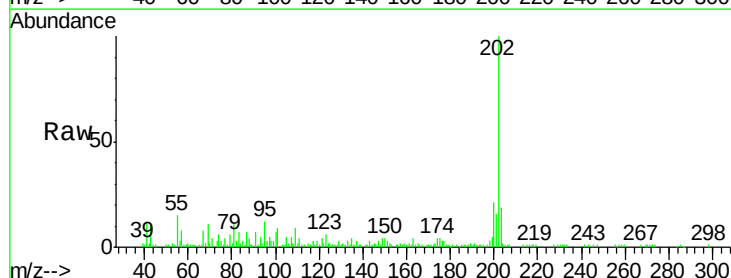
Tgt Ion:202 Resp: 68157

Ion Ratio Lower Upper

202 100

101 8.9 0.0 33.1

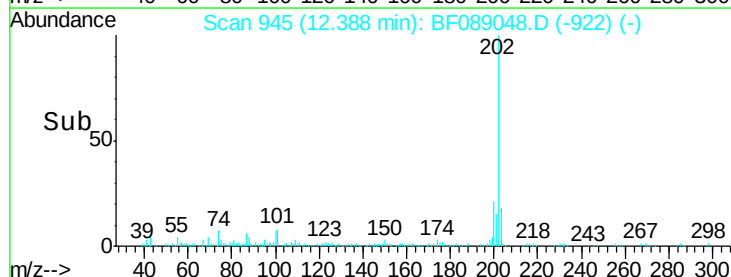
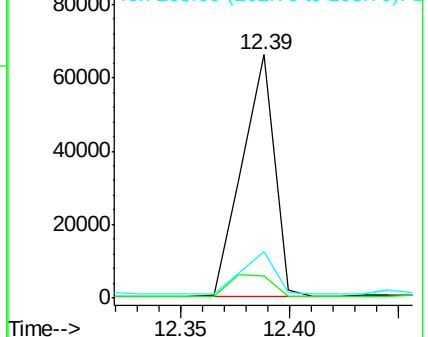
203 19.1 0.0 38.1

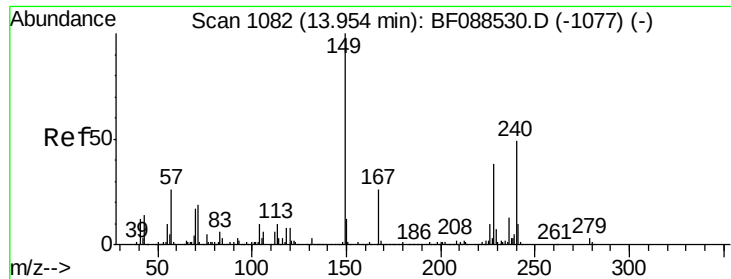


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Instrument :

BNA_F

ClientSampleId :

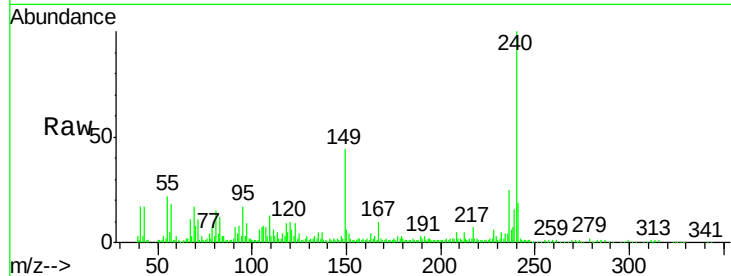
LSS-SB-SB06(0-2in)

Tot Ion:	240	Resp:	109082
Ion Ratio	Lower	Upper	
240	100		
120	10.4	6.8	10.2#
236	25.5	20.2	30.2

Manual Integrations

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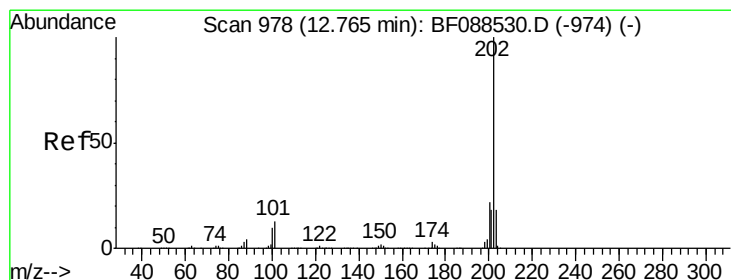
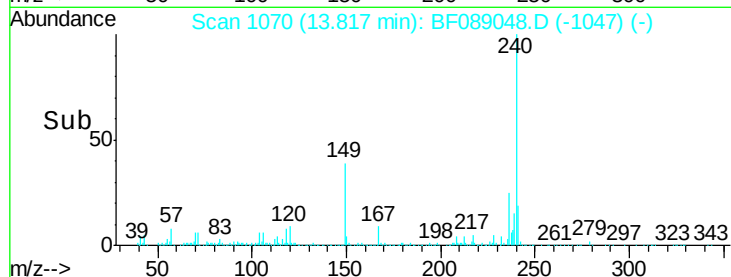
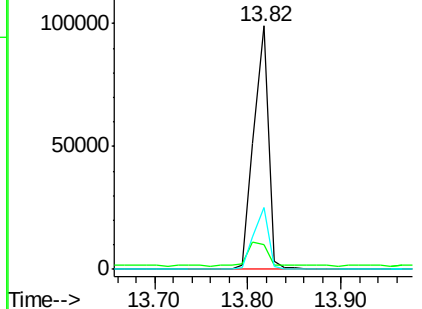
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.55 ng

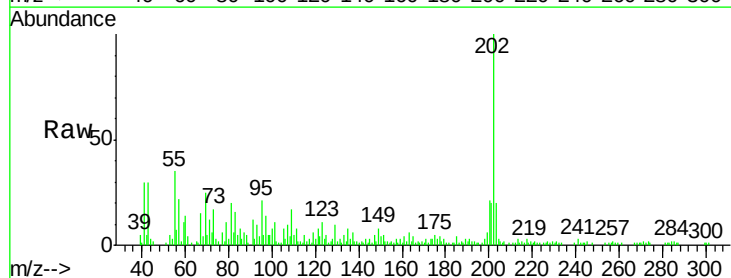
RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

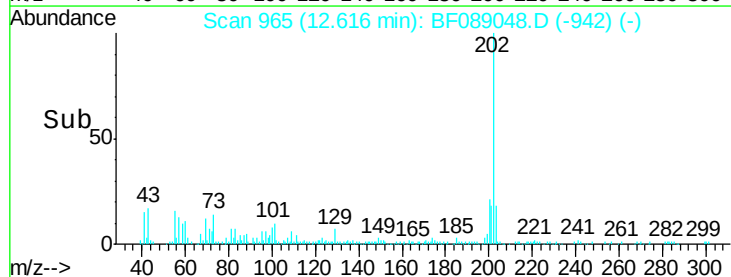
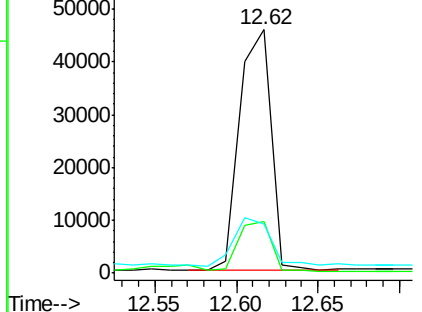
Tgt Ion:	202	Resp:	60566
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	20.3	14.5	21.7

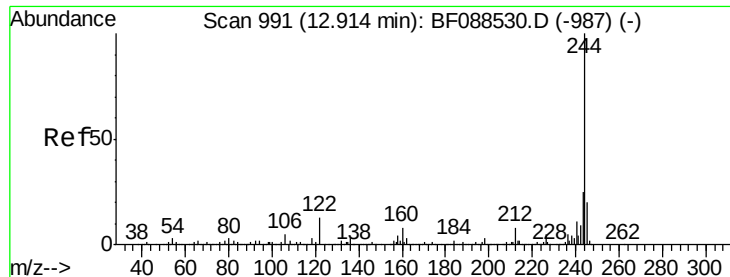


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.67 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB06(0-2in)

Tot Ion:244 Resp: 57177

Ion Ratio Lower Upper

244 100

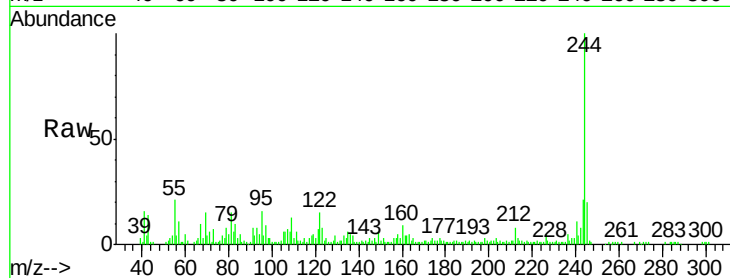
212 8.1 6.0 9.0

122 14.5 11.2 16.8

Manual Integrations

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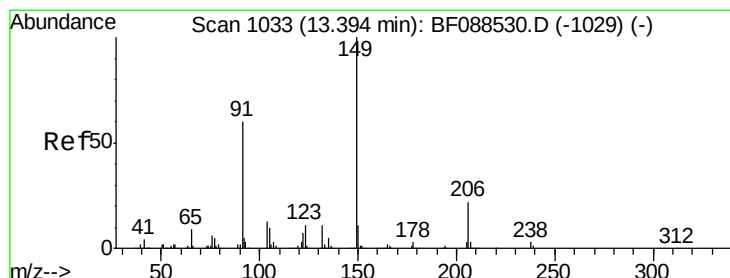
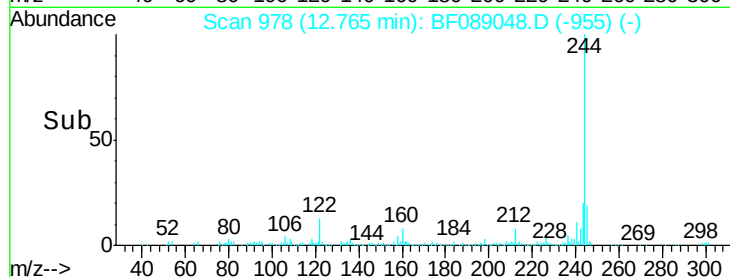
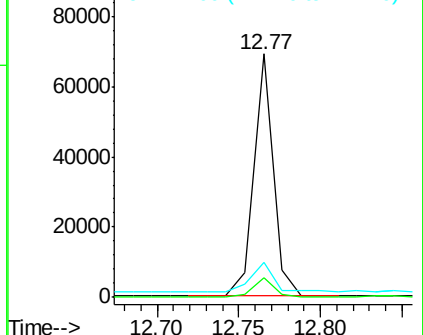
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 13.52 ng

RT: 13.25 min Scan# 1020

Delta R.T. -0.03 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

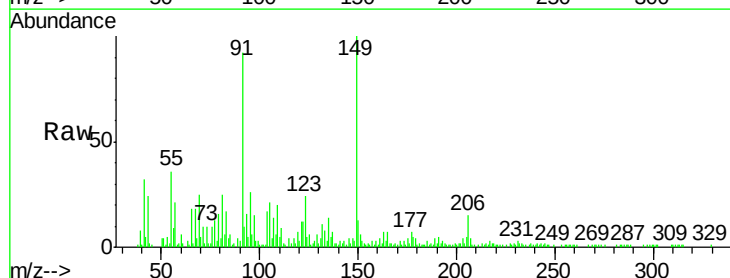
Tgt Ion:149 Resp: 55797

Ion Ratio Lower Upper

149 100

91 91.8 48.0 72.0#

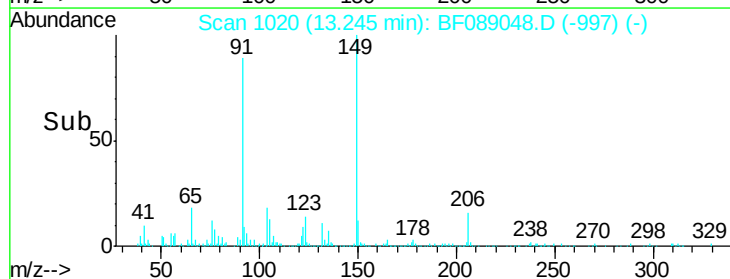
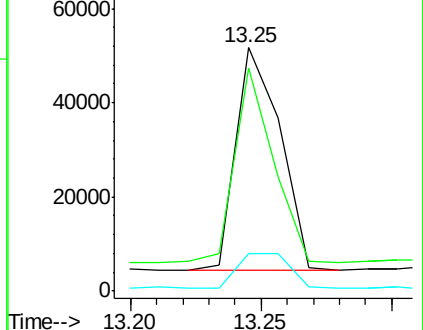
206 15.4 16.0 24.0#

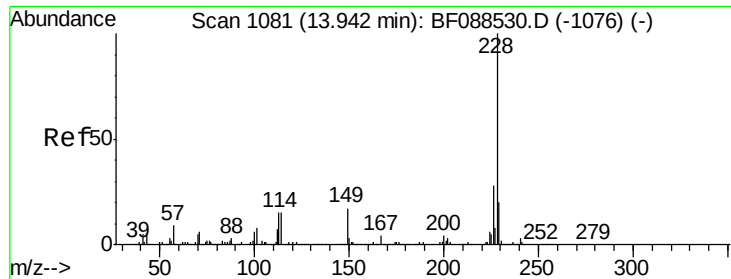


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





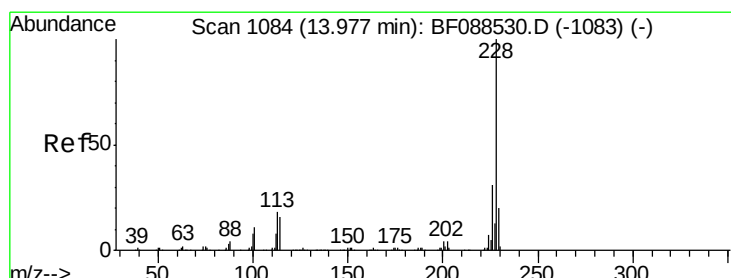
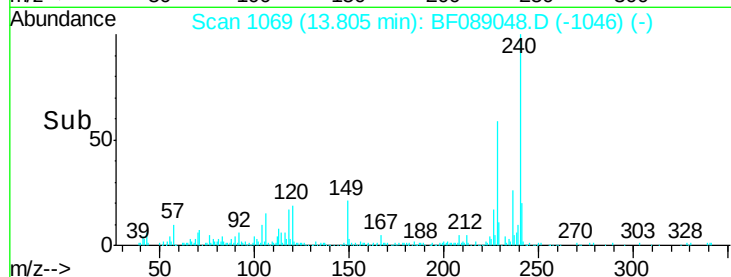
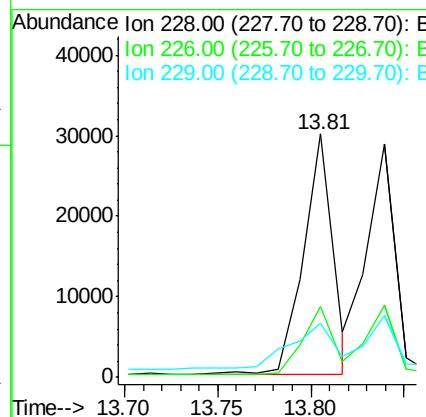
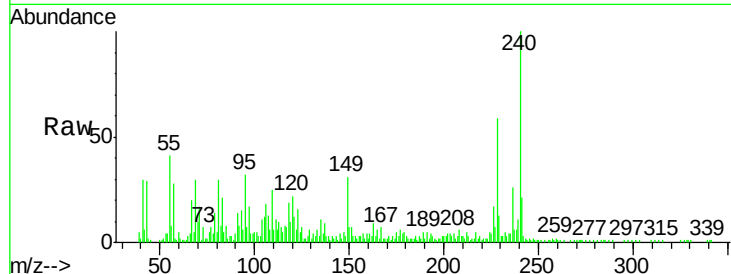
#80
Benzo(a)anthracene
Concen: 4.69 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB06(0-2in)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.3	33.5
229	22.4	16.0	24.0

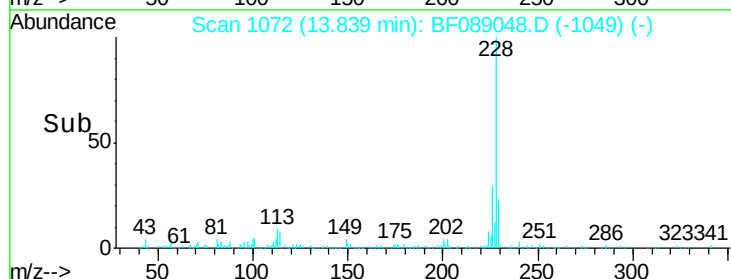
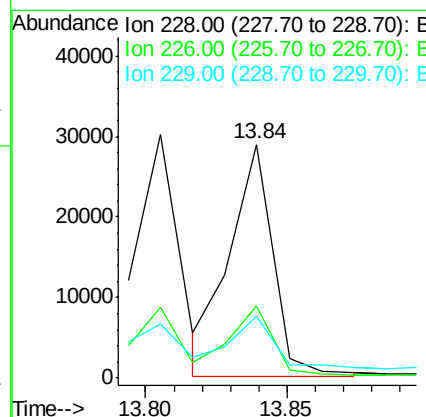
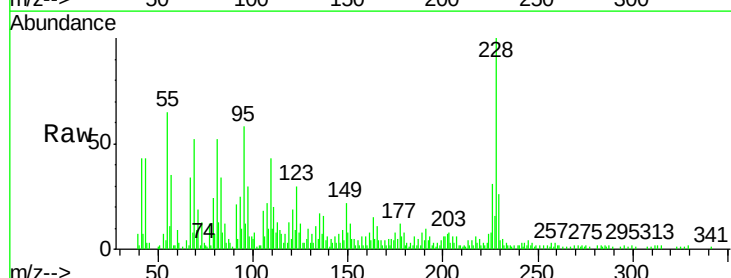
Manual Integrations

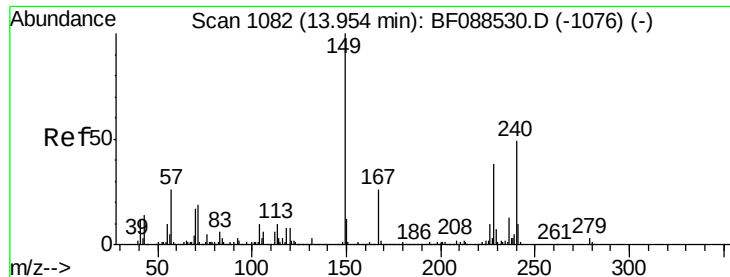
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#82
Chrysene
Concen: 4.42 ng m
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	26.4	16.3	24.5





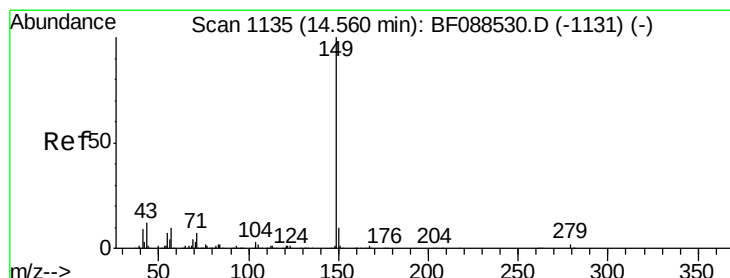
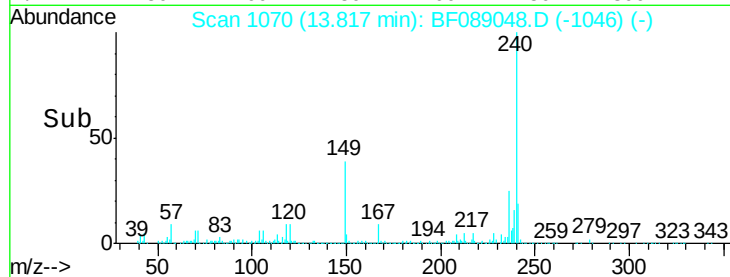
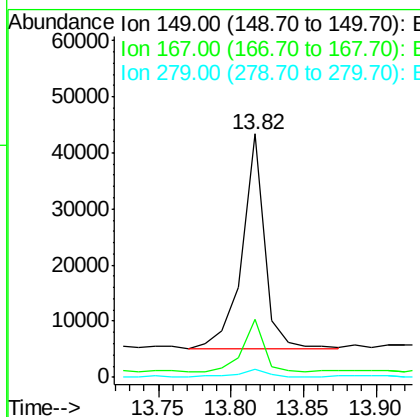
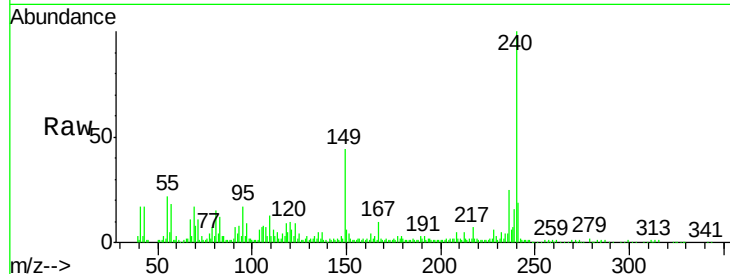
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.71 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF089048.D
 Acq: 16 Jul 2016 11:36

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB06(0-2in)

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.0	20.5	30.7
279	3.5	2.0	3.0

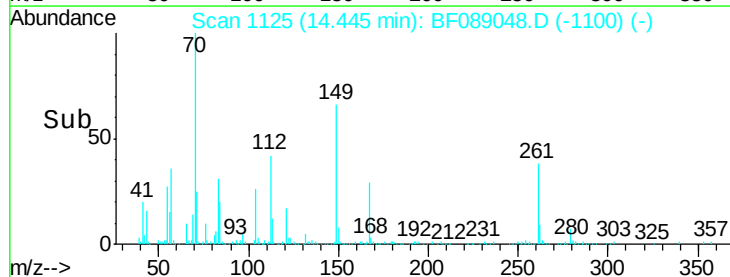
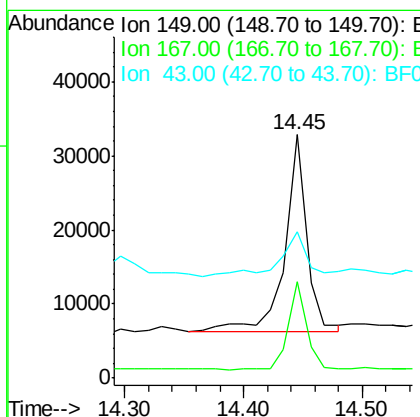
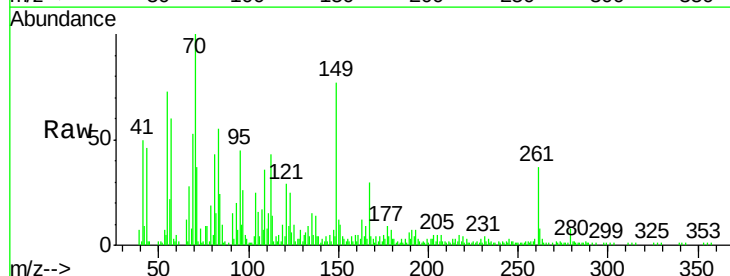
Manual Integrations

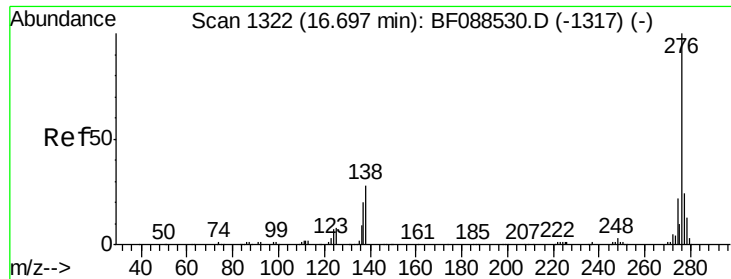
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#84
 Di-n-octyl phthalate
 Concen: 4.28 ng
 RT: 14.45 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF089048.D
 Acq: 16 Jul 2016 11:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	39.0	0.0	0.0
43	27.7	0.0	0.0





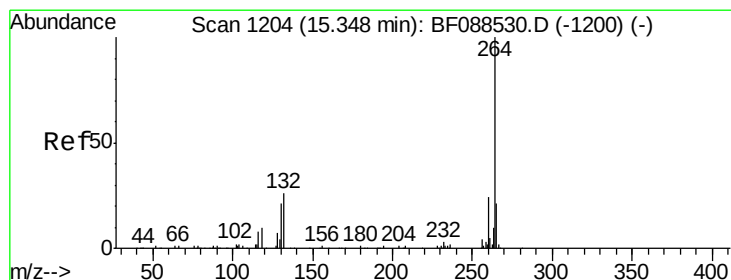
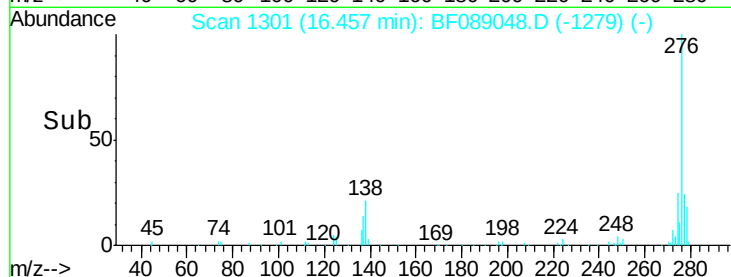
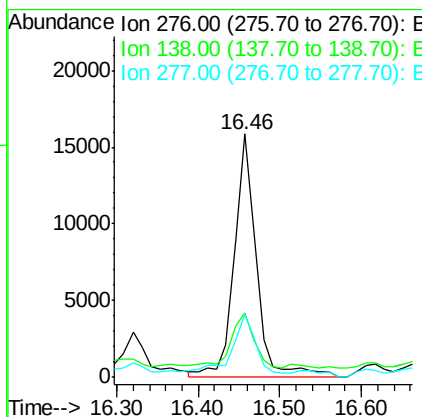
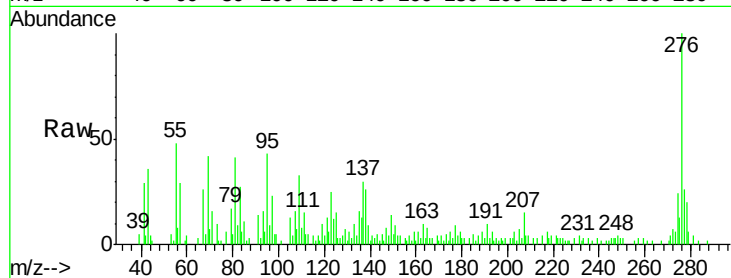
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.63 ng
RT: 16.46 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB06(0-2in)

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	0.0	0.0#
277	28.7	0.0	0.0#

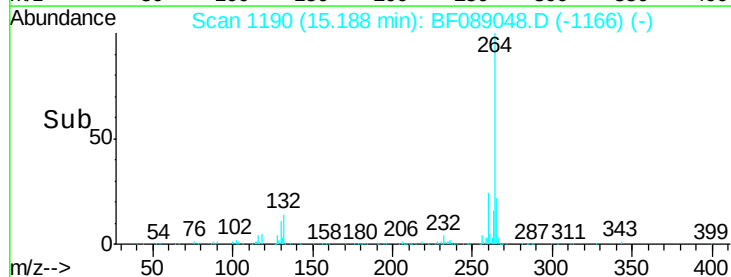
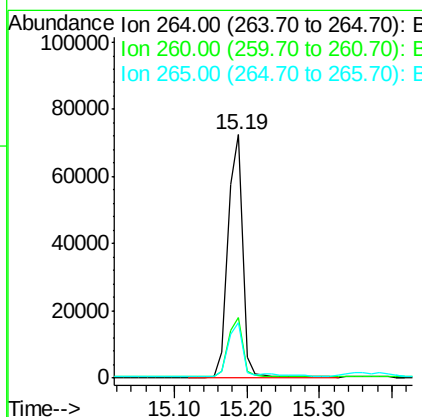
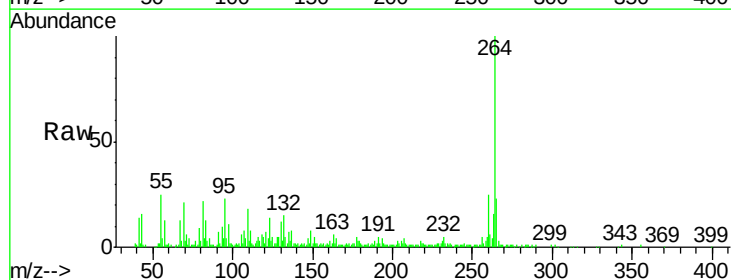
Manual Integrations

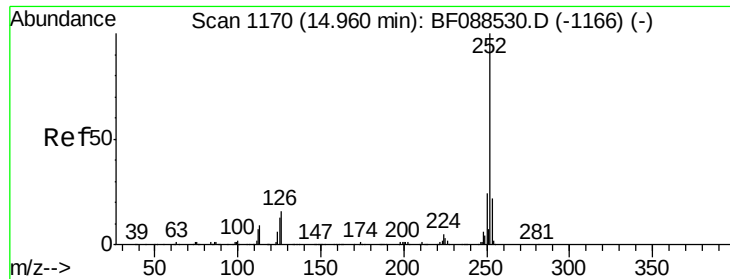
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.7	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 8.14 ng m

RT: 14.81 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Instrument :

BNA_F

ClientSampleId :

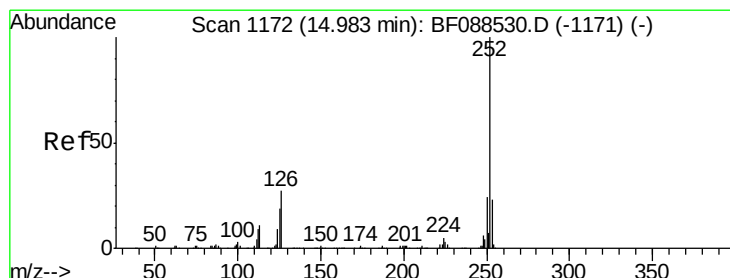
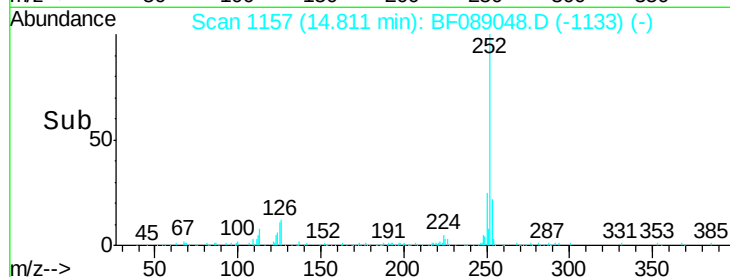
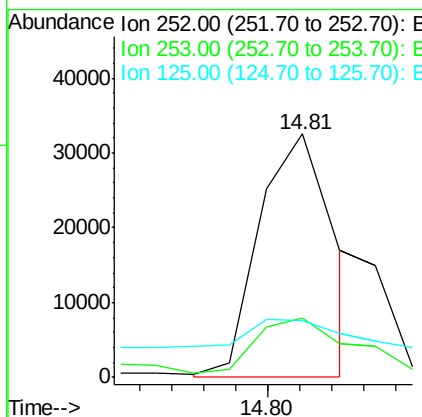
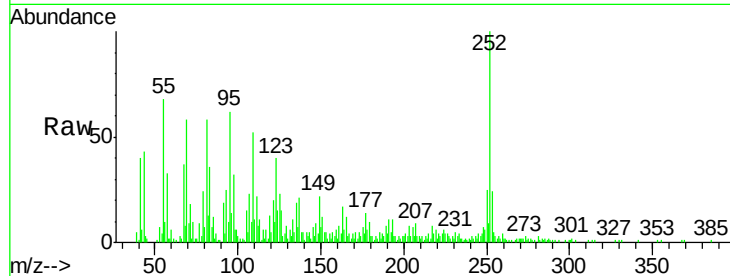
LSS-SB-SB06(0-2in)

Tot Ion:	252	Resp:	52613
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.4	26.2
125	23.3	7.1	10.7#

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 2.08 ng m

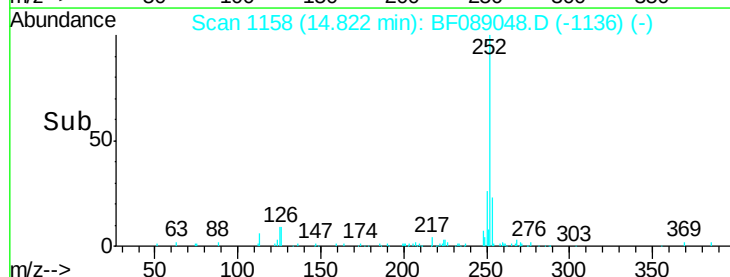
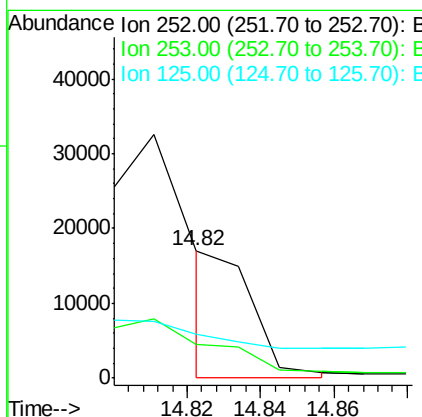
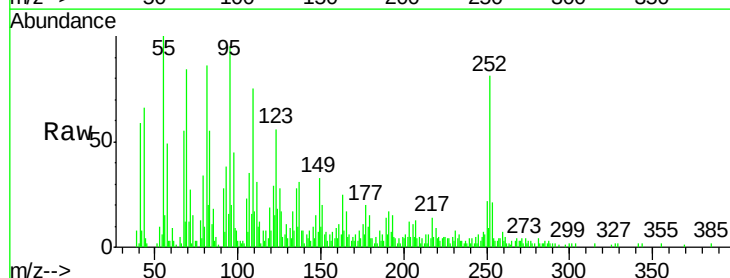
RT: 14.82 min Scan# 1158

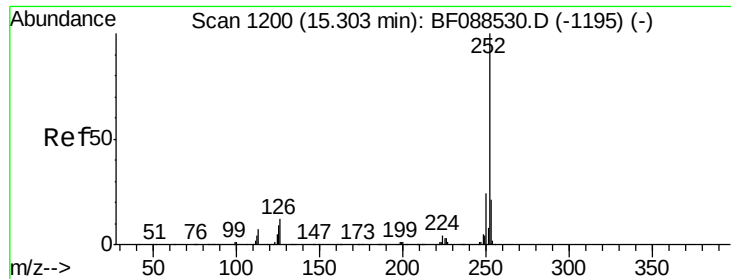
Delta R.T. -0.05 min

Lab File: BF089048.D

Acq: 16 Jul 2016 11:36

Tgt Ion:	252	Resp:	11687
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.0	27.0
125	34.8	11.2	16.8#





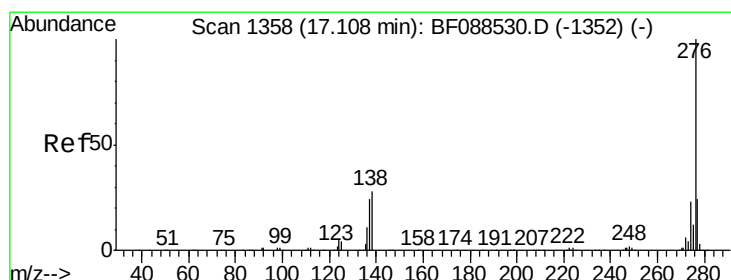
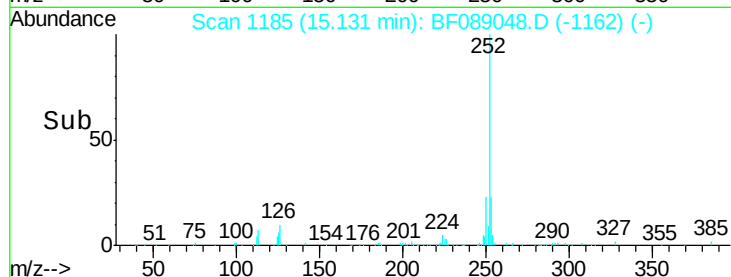
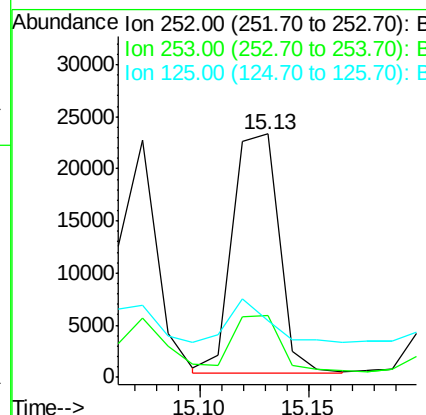
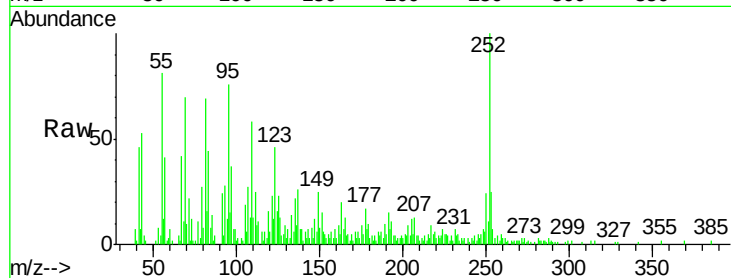
#89
Benzo(a)pyrene
Concen: 6.20 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB06(0-2in)

Tot Ion:	252	Resp:	33922
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.9	26.9
125	23.3	12.5	18.7#

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 7.23 ng
RT: 16.85 min Scan# 1335
Delta R.T. -0.05 min
Lab File: BF089048.D
Acq: 16 Jul 2016 11:36

Tgt Ion:	276	Resp:	34193
Ion Ratio	Lower	Upper	
276	100		
277	26.4	18.9	28.3
138	24.3	21.4	32.2

