

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
 Data File : BF088901.D
 Acq On : 11 Jul 2016 16:03
 Operator : UM/SJ
 Sample : H3948-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-03

Manual Integrations

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Quant Time: Jul 11 19:02:44 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	6.71	152	64865	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	258696	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	106133	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	167217	20.00	ng	0.00
75) Chrysene-d12	13.85	240	129040	20.00	ng	0.00
86) Perylene-d12	15.22	264	118763	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	408730	94.44	ng	0.01
7) Phenol-d6	6.35	99	533505	95.40	ng	0.00
23) Nitrobenzene-d5	7.28	82	394727	79.96	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	103244	104.76	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	542413	80.73	ng	0.00
78) Terphenyl-d14	12.80	244	354798	61.24	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	135525	17.92	ng	98
51) Acenaphthene	9.77	154	17816	2.65	ng	97
57) Fluorene	10.28	166	33129	4.88	ng	99
70) Phenanthrene	11.24	178	241742	26.45	ng	99
71) Anthracene	11.29	178	85541	9.41	ng	98
74) Fluoranthene	12.42	202	325429	35.12	ng	97
77) Pyrene	12.65	202	307652	28.12	ng	99
80) Benzo(a)anthracene	13.84	228	174734	21.03	ng	99
82) Chrysene	13.87	228	141175m	17.17	ng	
85) Indeno(1,2,3-cd)pyrene	16.50	276	63052	9.97	ng	# 100
87) Benzo(b)fluoranthene	14.85	252	184713m	24.79	ng	
88) Benzo(k)fluoranthene	14.86	252	37725m	5.82	ng	
89) Benzo(a)pyrene	15.17	252	120790m	19.15	ng	
90) Dibenzo(a,h)anthracene	16.51	278	17472	3.32	ng	# 88
91) Benzo(a,h,i)perylene	16.89	276	59150	10.85	ng	96

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

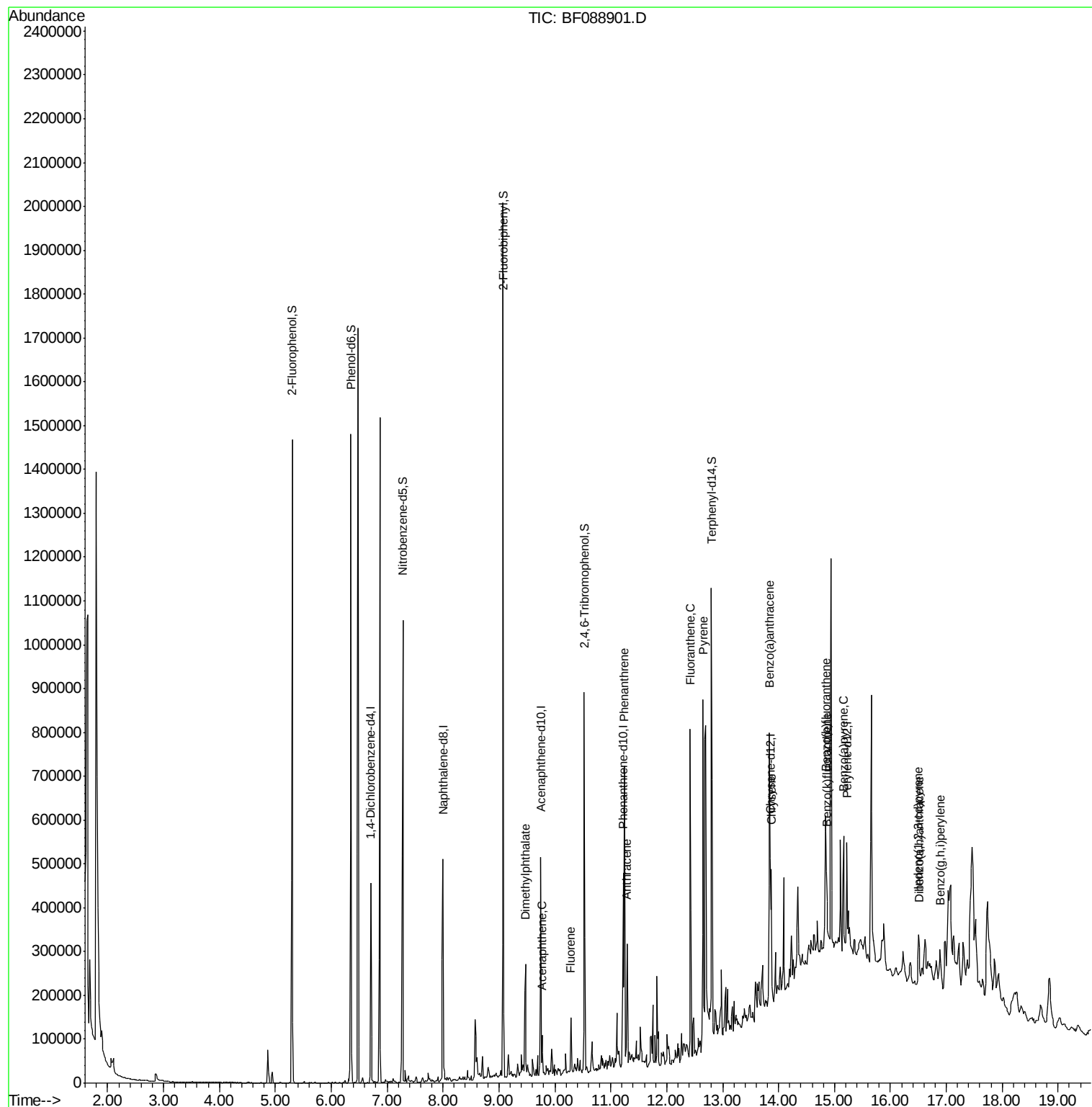
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
Data File : BF088901.D
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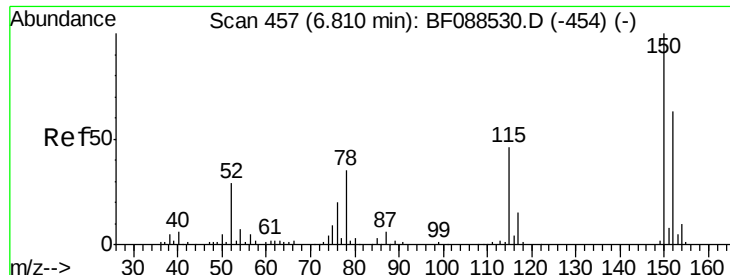
Instrument :
BNA_F
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Quant Time: Jul 11 19:02:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
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#1

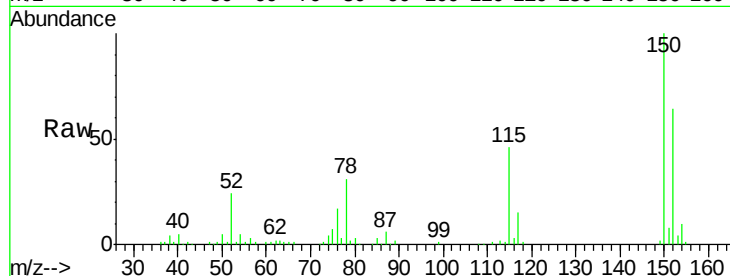
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088901.D
Acq: 11 Jul 2016 16:03

Instrument :
BNA_F
ClientSampled :
NC-03

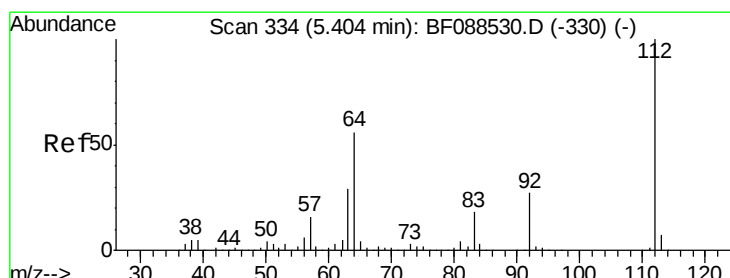
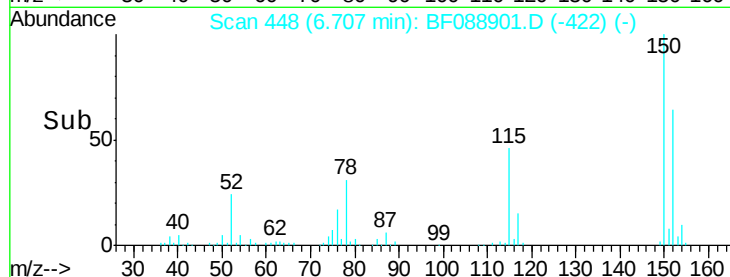
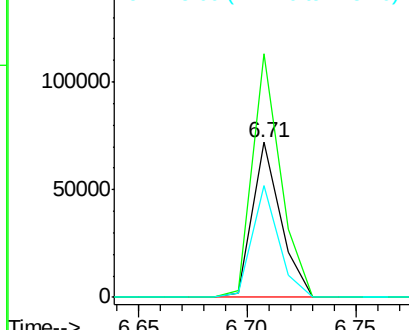
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.8	185.6
115	72.0	39.6	59.4

Manual Integrations

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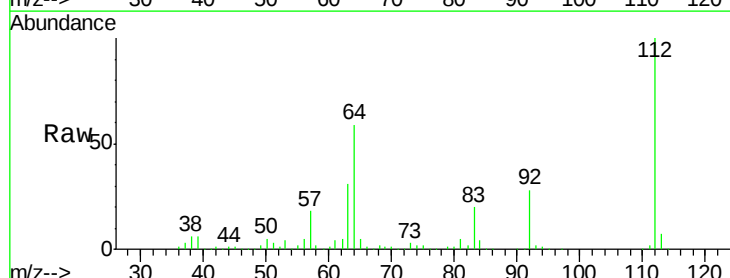
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



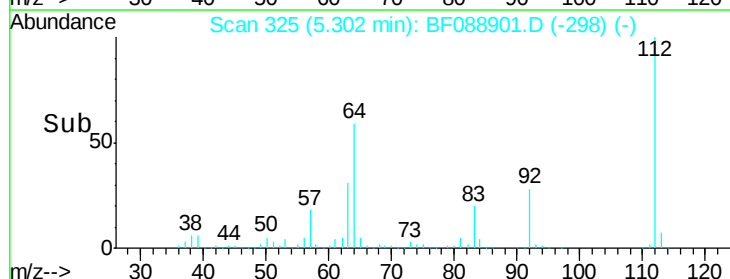
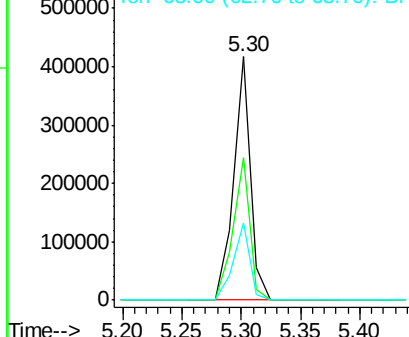
#5

2-Fluorophenol
Concen: 94.44 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF088901.D
Acq: 11 Jul 2016 16:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	42.2	63.2
63	31.5	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: 95.40 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampleId :

NC-03

Tot Ion: 99 Resp: 533505

Ion Ratio Lower Upper

99 100

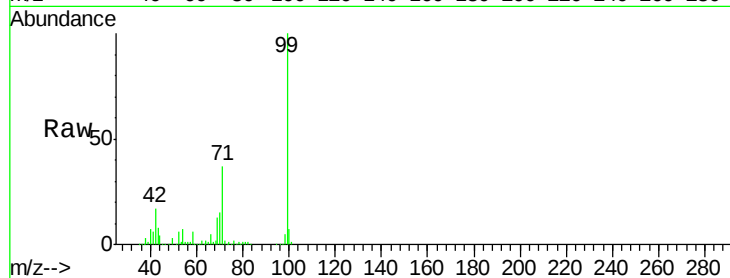
42 16.9 12.2 18.2

71 37.2 23.4 35.0#

Manual Integrations

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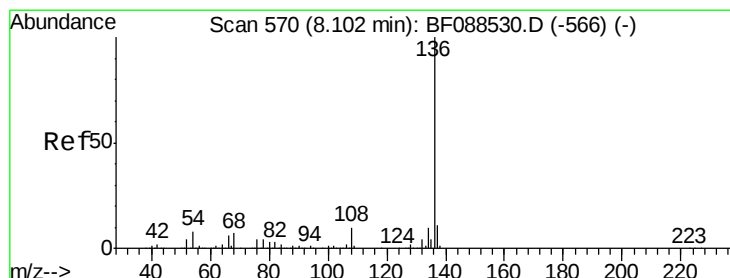
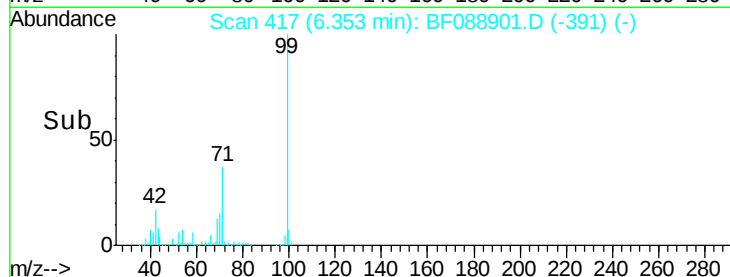
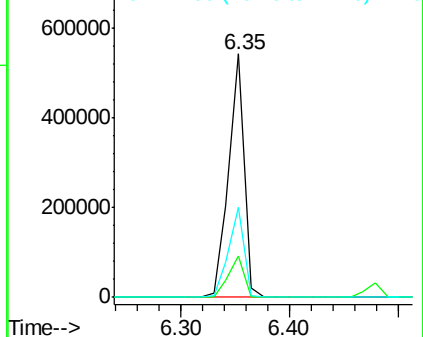
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Tgt Ion: 136 Resp: 258696

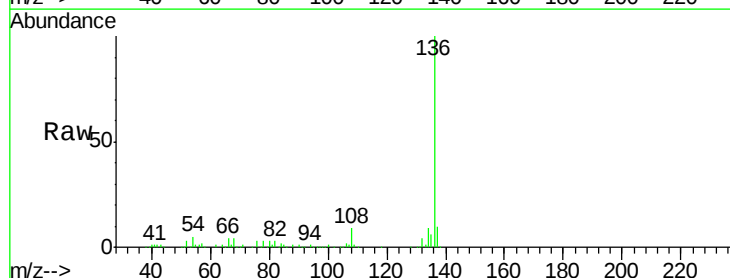
Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 5.0 6.6 10.0#

68 4.4 5.1 7.7#

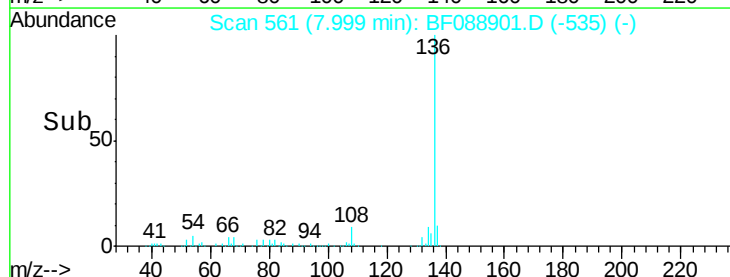
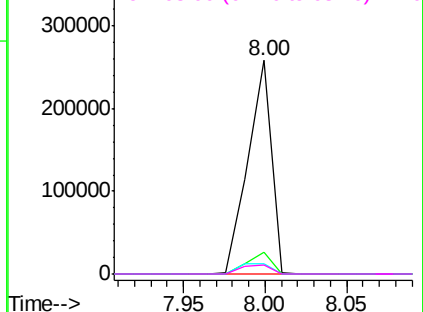


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.96 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampled :

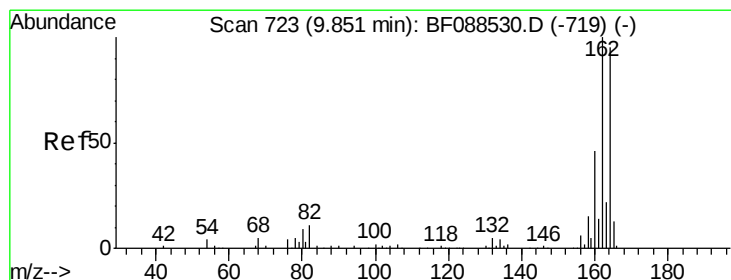
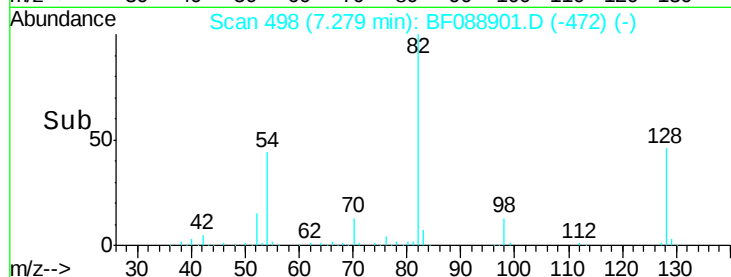
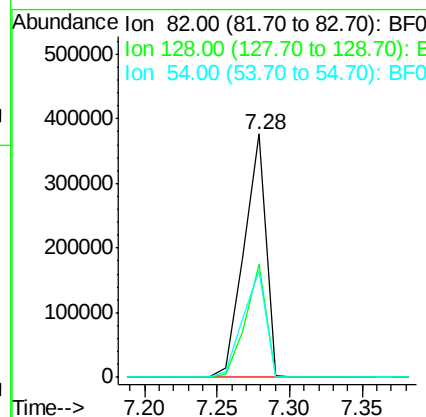
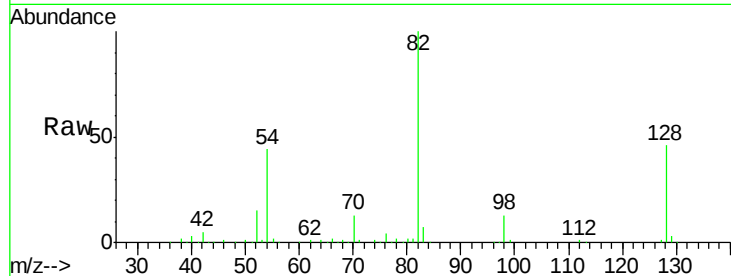
NC-03

Tot Ion:	82	Resp:	394727
Ion Ratio	Lower	Upper	
82	100		
128	46.3	35.9	53.9
54	43.7	40.9	61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

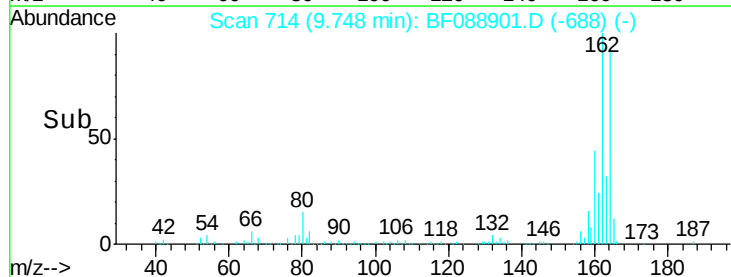
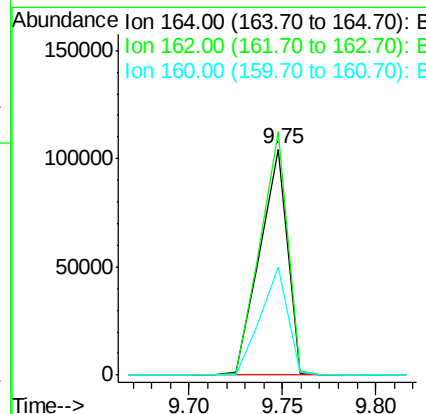
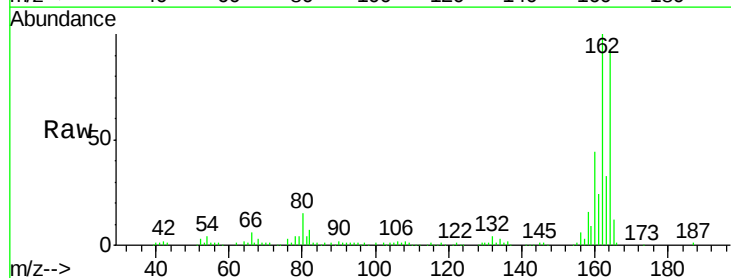
RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Tgt Ion:	164	Resp:	106133
Ion Ratio	Lower	Upper	
164	100		
162	107.8	85.4	128.2
160	47.8	39.5	59.3





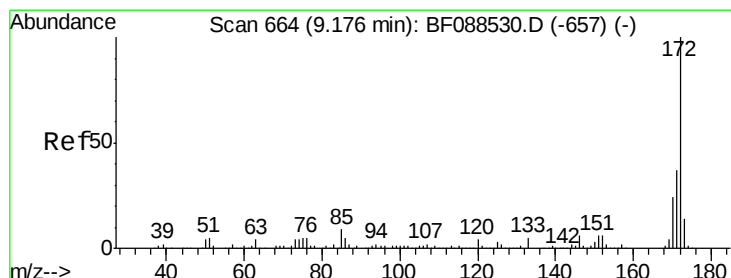
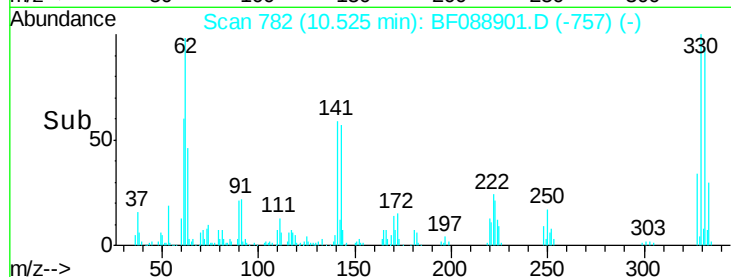
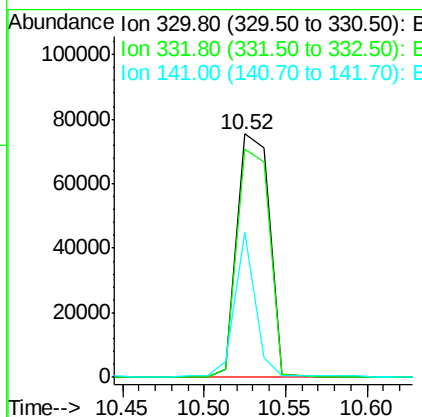
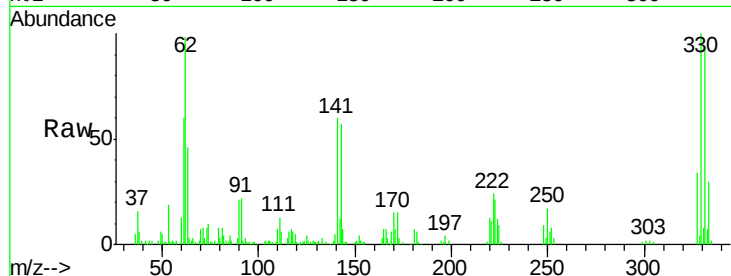
#41
 2,4,6-Tribromophenol
 Concen: 104.76 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088901.D
 Acq: 11 Jul 2016 16:03

Instrument :
 BNA_F
 ClientSampleID :
 NC-03

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	0.0	0.0#
141	38.8	0.0	0.0#

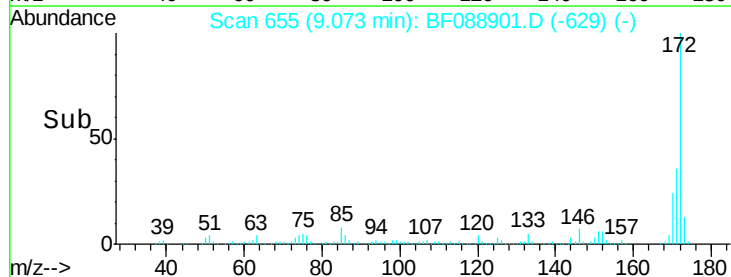
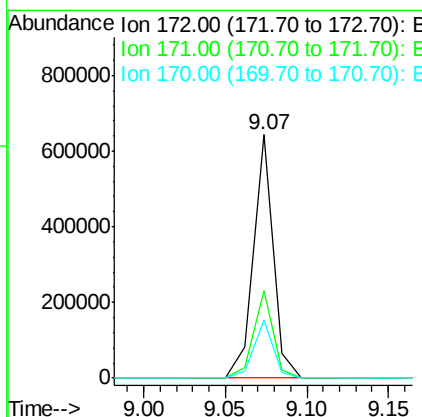
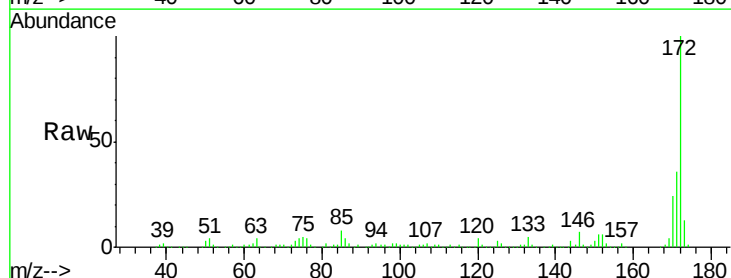
Manual Integrations

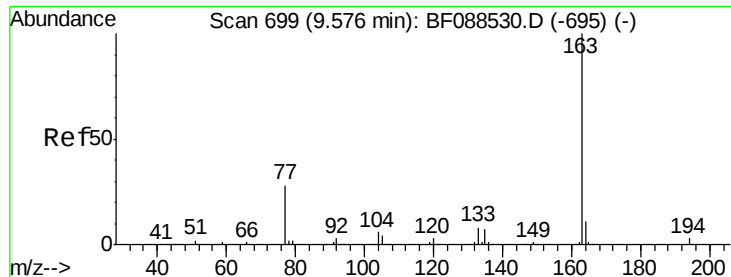
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#44
 2-Fluorobiphenyl
 Concen: 80.73 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088901.D
 Acq: 11 Jul 2016 16:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.8	19.2	28.8





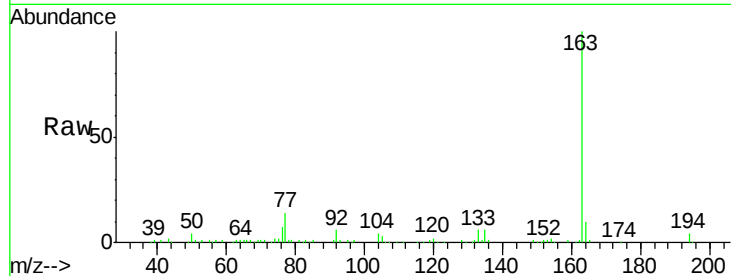
#49
Dimethylphthalate
Concen: 17.92 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088901.D
Acq: 11 Jul 2016 16:03

Instrument :
BNA_F
ClientSampleId :
NC-03

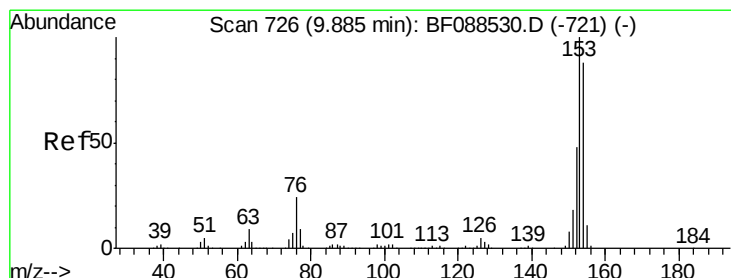
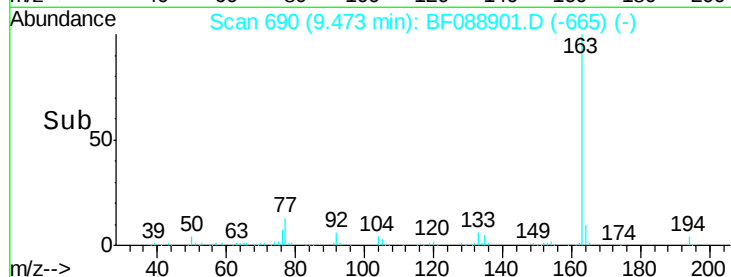
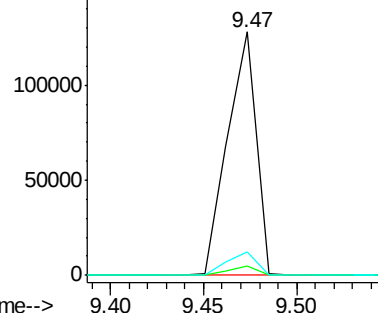
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.8	8.3	12.5

Manual Integrations

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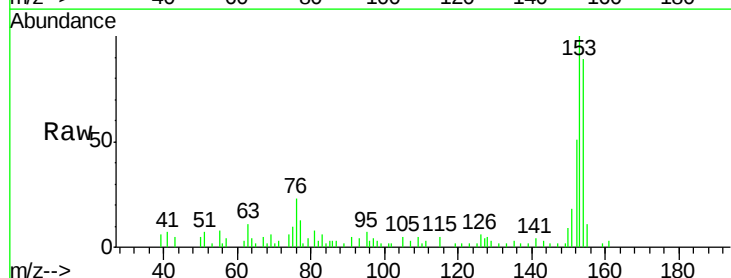


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

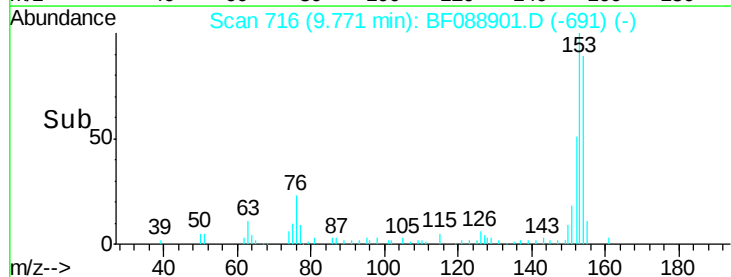
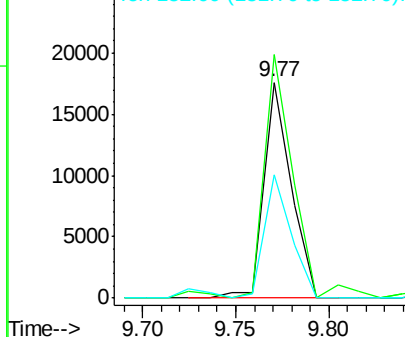


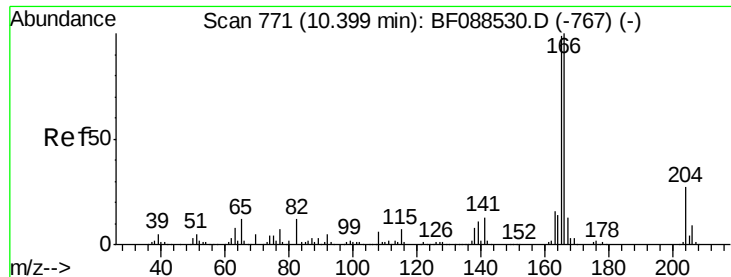
#51
Acenaphthene
Concen: 2.65 ng
RT: 9.77 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF088901.D
Acq: 11 Jul 2016 16:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.5	134.3
152	57.5	42.7	64.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 4.88 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampled :

NC-03

Tot Ion:166 Resp: 33129

Ion Ratio Lower Upper

166 100

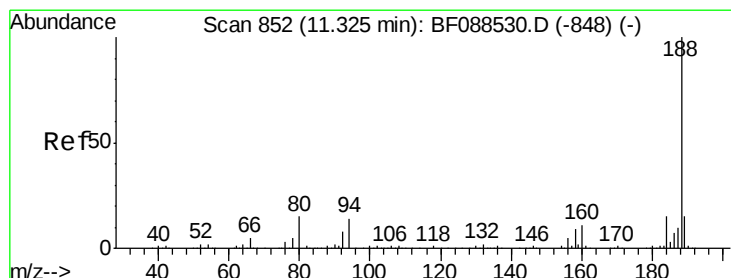
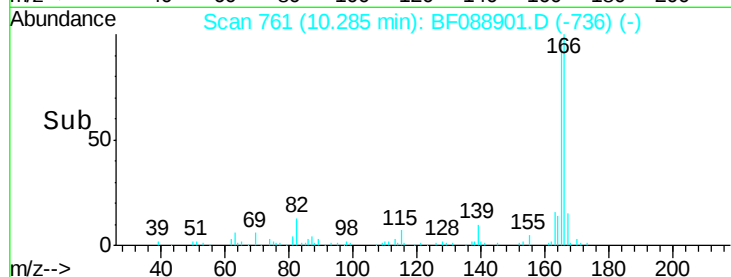
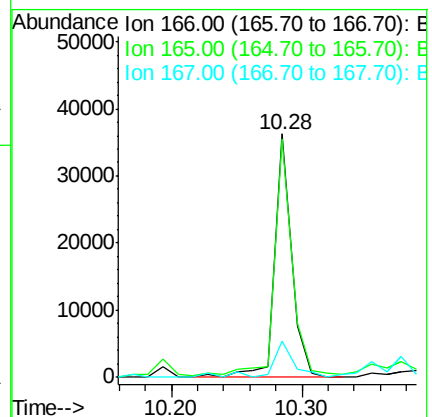
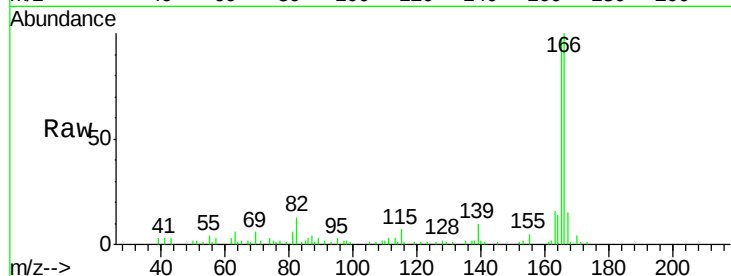
165 98.0 77.8 116.8

167 14.7 11.2 16.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

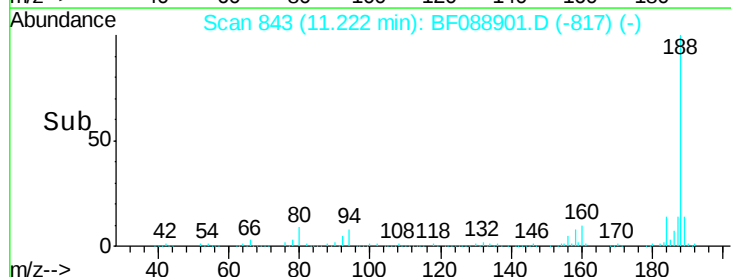
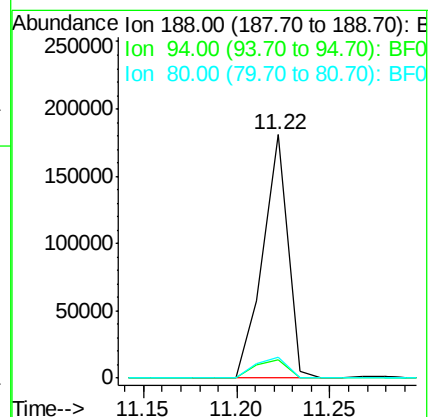
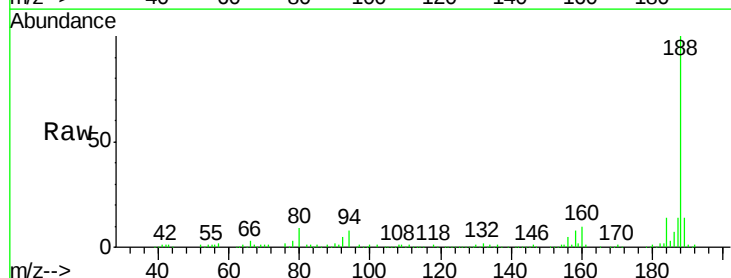
Tgt Ion:188 Resp: 167217

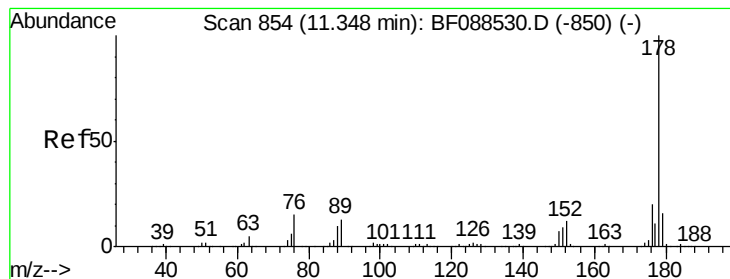
Ion Ratio Lower Upper

188 100

94 7.8 9.0 13.6#

80 8.6 10.0 15.0#





#70

Phenanthrene

Concen: 26.45 ng

RT: 11.24 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF088901.D

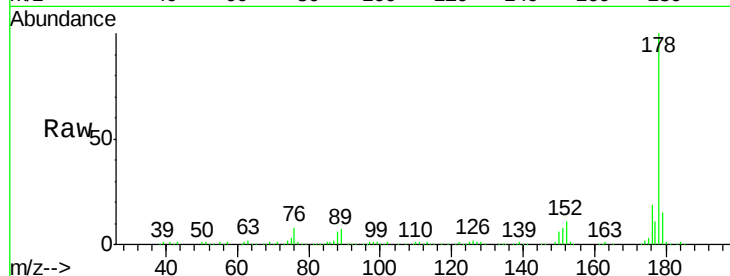
Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampleId :

NC-03



Tot Ion:178 Resp: 241742

Ion Ratio Lower Upper

178 100

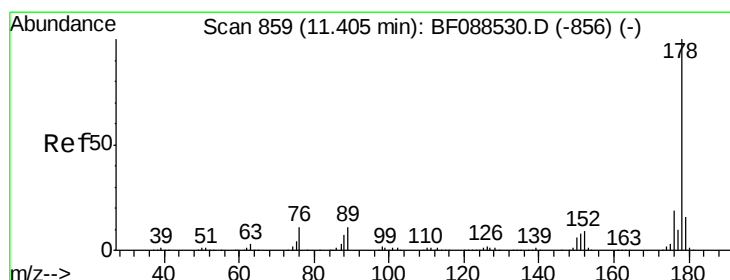
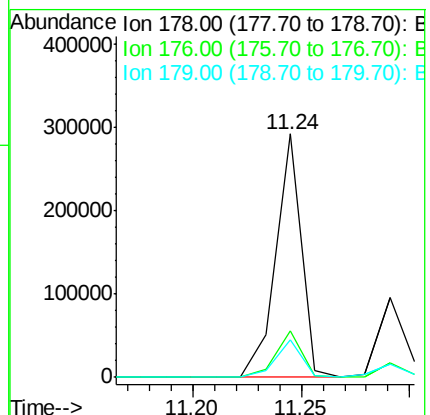
176 19.2 15.8 23.6

179 15.5 13.0 19.4

Manual Integrations

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#71

Anthracene

Concen: 9.41 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

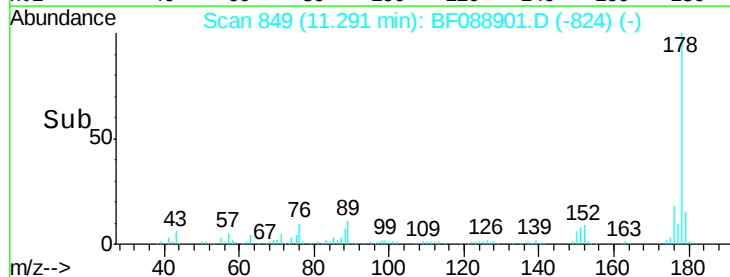
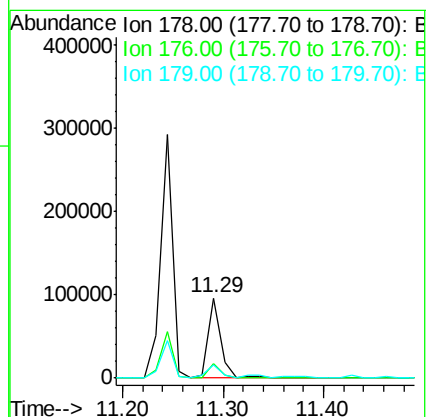
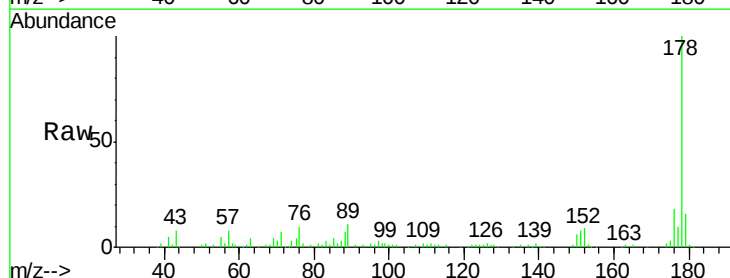
Tgt Ion:178 Resp: 85541

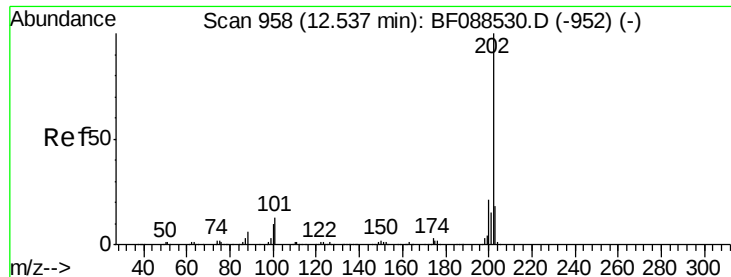
Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 15.7 12.8 19.2





#74

Fluoranthene

Concen: 35.12 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampleId :

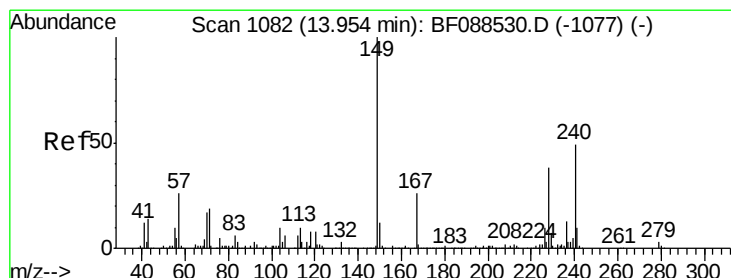
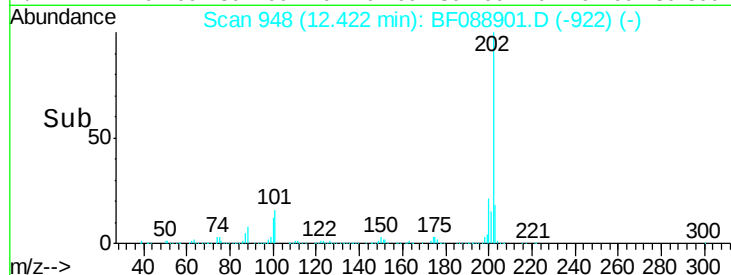
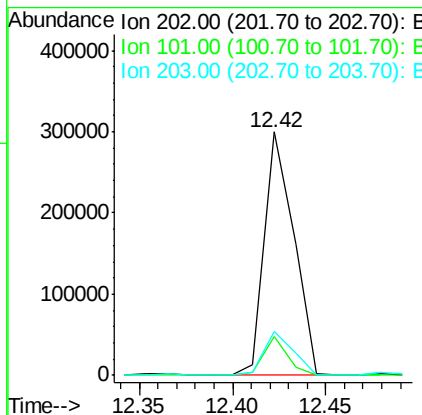
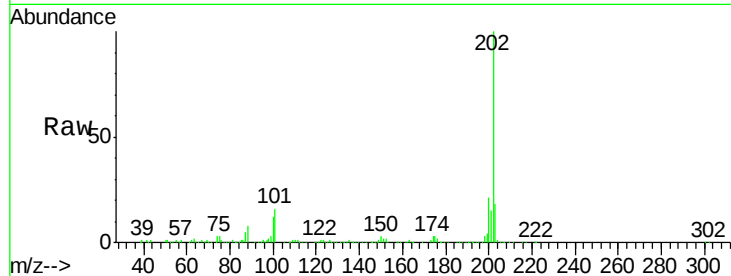
NC-03

Tot Ion:	202	Resp:	325429
Ion Ratio	Lower	Upper	
202	100		
101	15.7	0.0	33.1
203	17.9	0.0	38.1

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

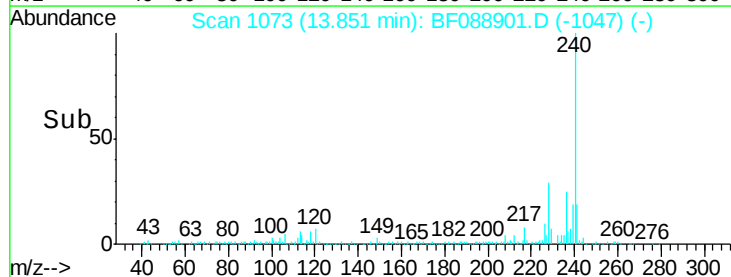
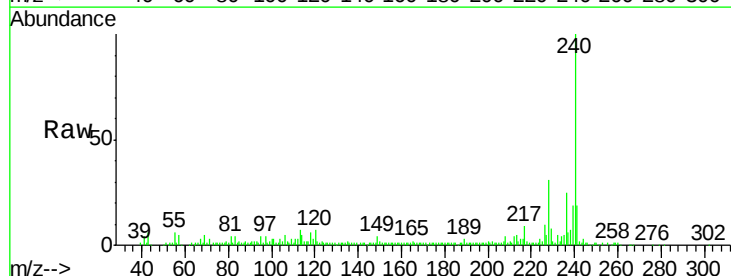
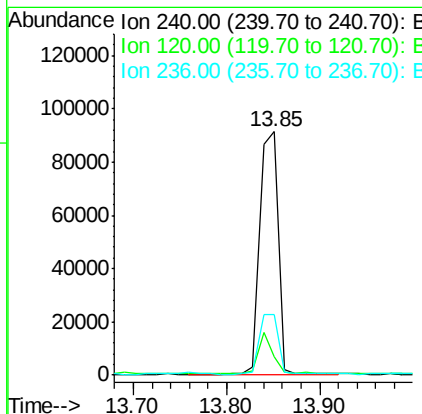
RT: 13.85 min Scan# 1073

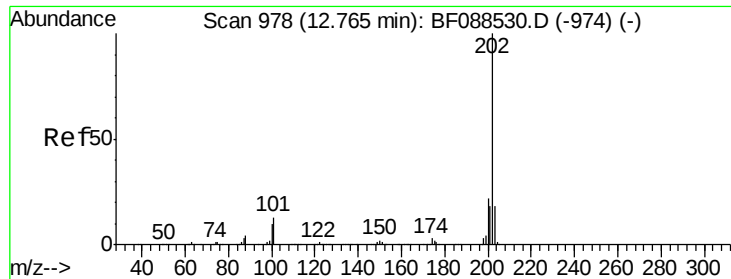
Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Tgt Ion:	240	Resp:	129040
Ion Ratio	Lower	Upper	
240	100		
120	7.3	6.8	10.2
236	24.8	20.2	30.2





#77

Pvrene

Concen: 28.12 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampleId :

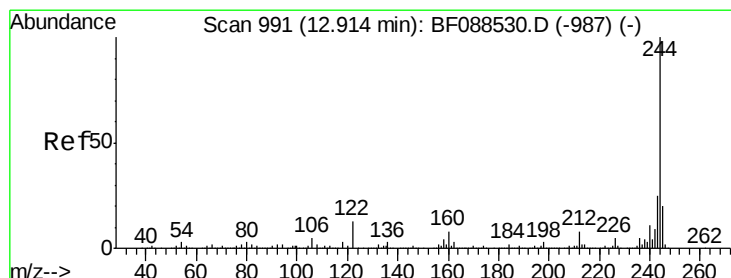
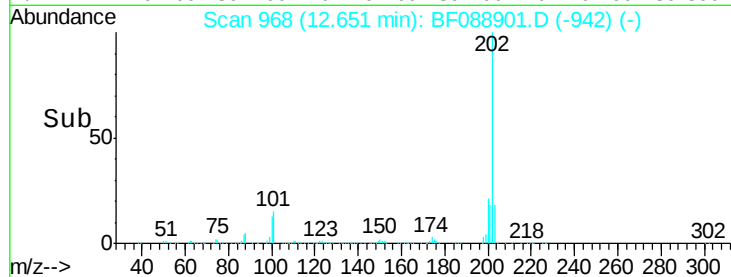
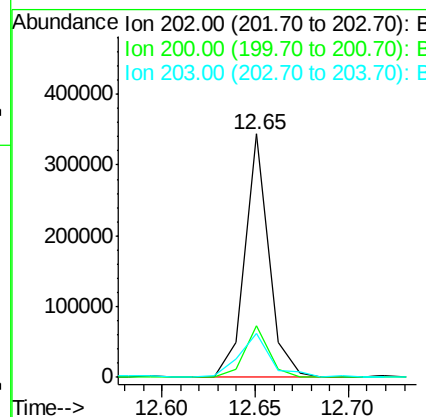
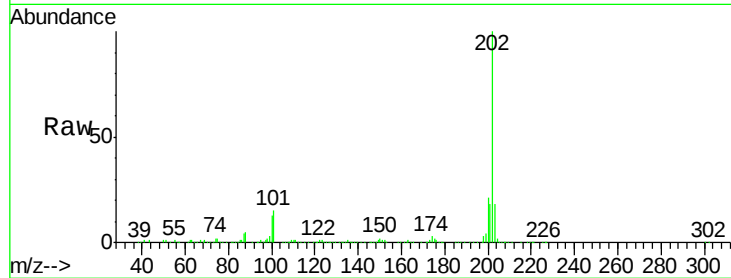
NC-03

Tot Ion:	202	Resp:	307652
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.1	14.5	21.7

Manual Integrations

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#78

Terphenyl-d14

Concen: 61.24 ng

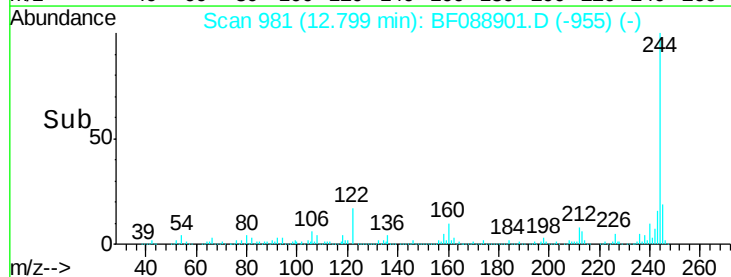
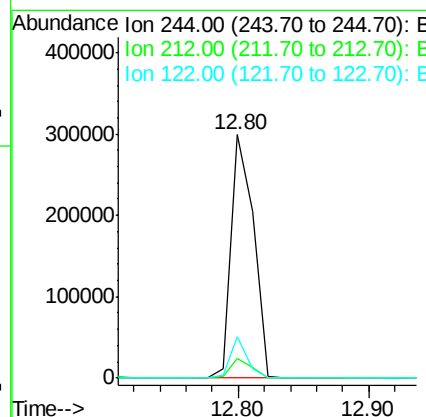
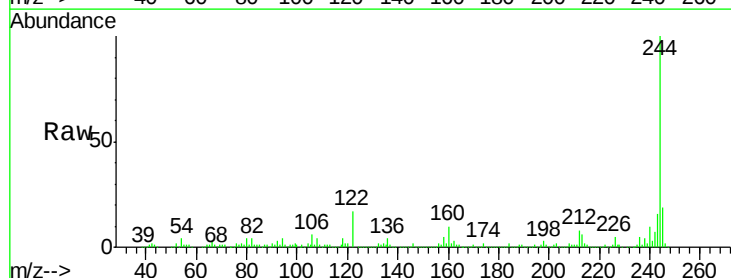
RT: 12.80 min Scan# 981

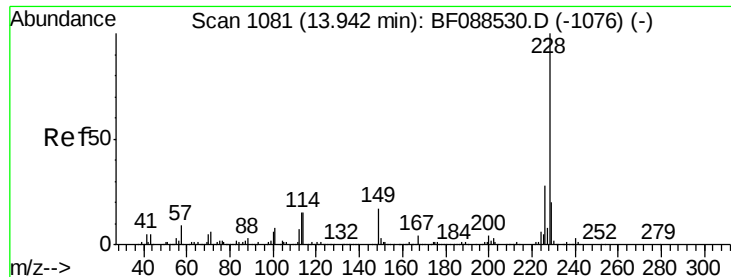
Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Tgt Ion:	244	Resp:	354798
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.0	9.0
122	16.8	11.2	16.8#





#80

Benzo(a)anthracene

Concen: 21.03 ng

RT: 13.84 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampleId :

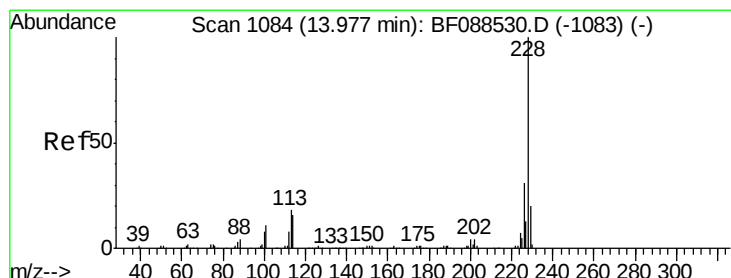
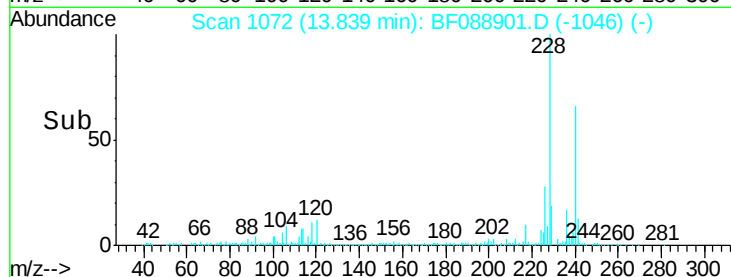
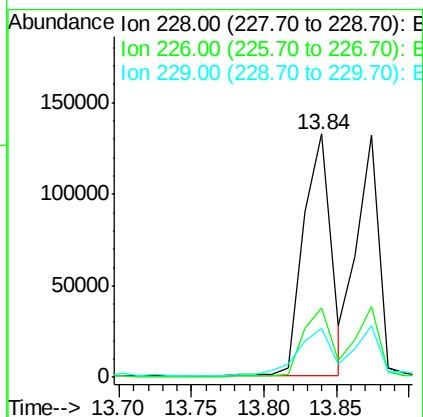
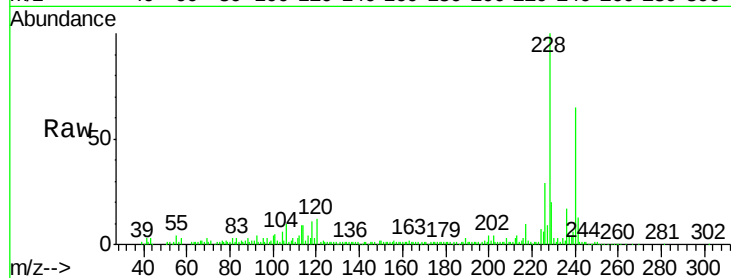
NC-03

Tot Ion:	228	Resp:	174734
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.3	33.5
229	20.3	16.0	24.0

Manual Integrations

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#82

Chrysene

Concen: 17.17 ng m

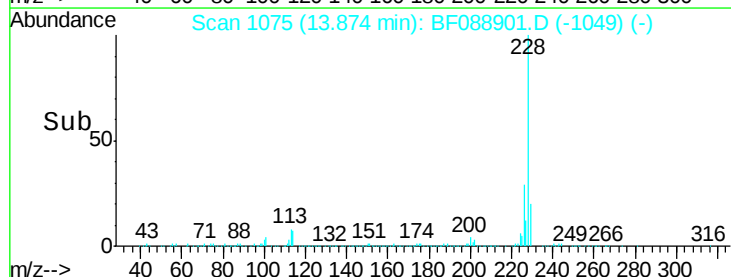
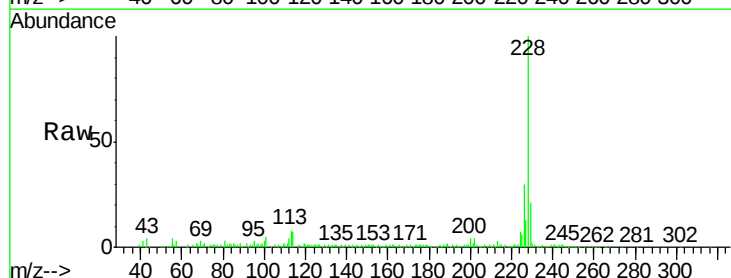
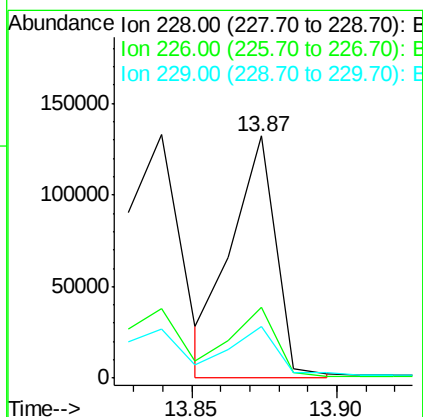
RT: 13.87 min Scan# 1075

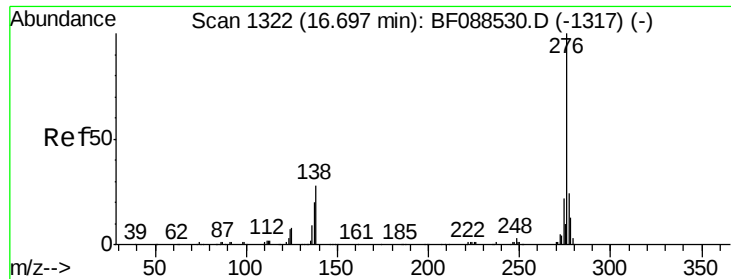
Delta R.T. 0.00 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Tgt Ion:	228	Resp:	141175
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.4	38.2
229	21.3	16.3	24.5





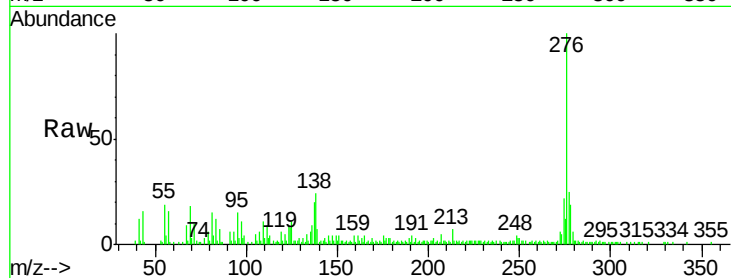
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.97 ng
 RT: 16.50 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF088901.D
 Acq: 11 Jul 2016 16:03

Instrument :
 BNA_F
 ClientSampled :
 NC-03

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	0.0#
277	27.4	0.0	0.0#

Manual Integrations

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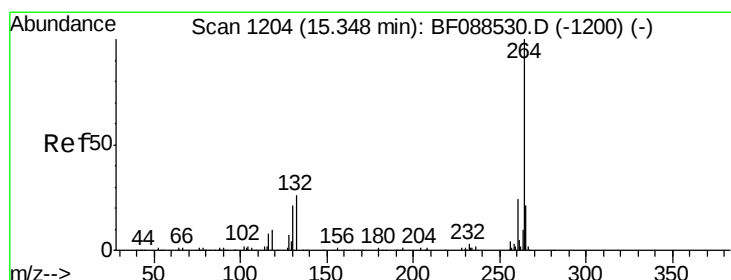
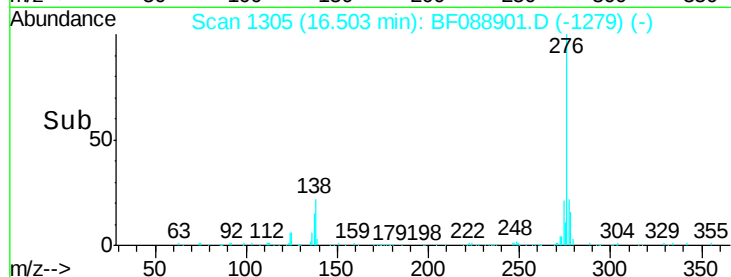
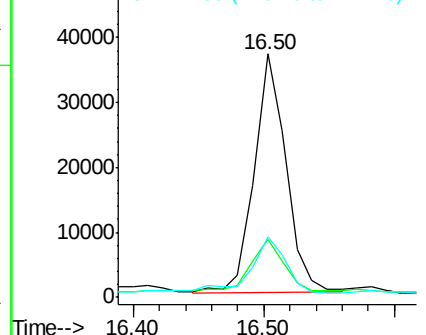


Abundance

Ion 276.00 (275.70 to 276.70): E

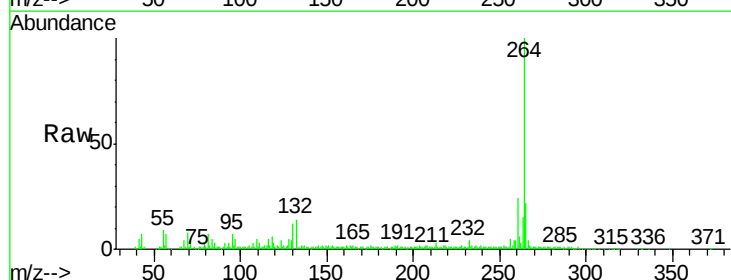
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF088901.D
 Acq: 11 Jul 2016 16:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.5	16.9	25.3

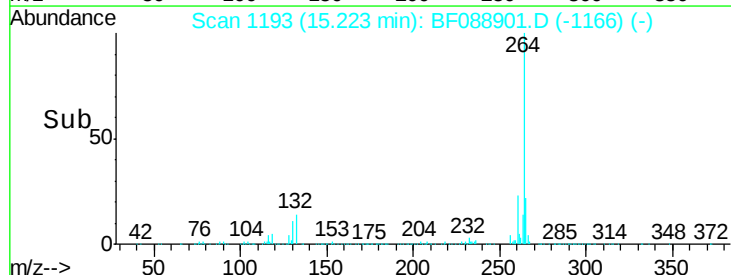
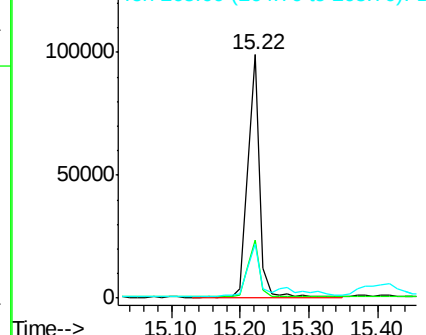


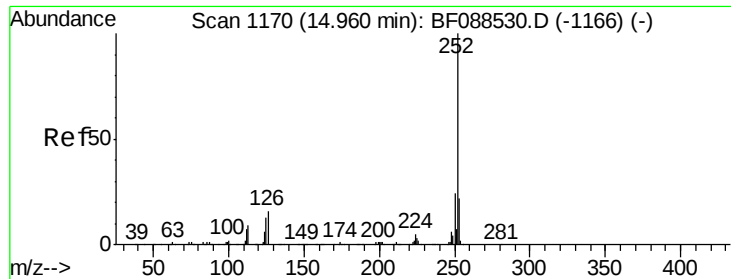
Abundance

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: 24.79 ng m

RT: 14.85 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF088901.D

Acq: 11 Jul 2016 16:03

Instrument :

BNA_F

ClientSampleId :

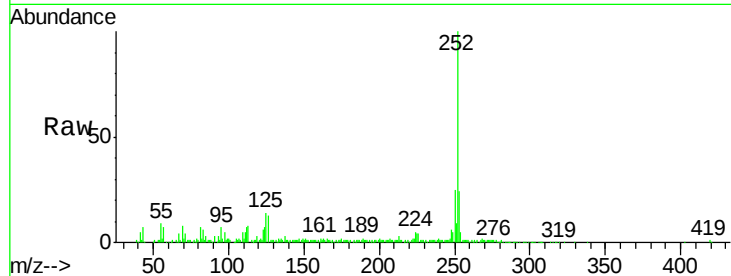
NC-03

Tot Ion:	252	Resp:	184713
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.2
125	14.4	7.1	10.7#

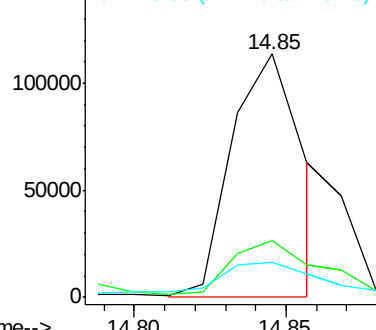
Manual Integrations

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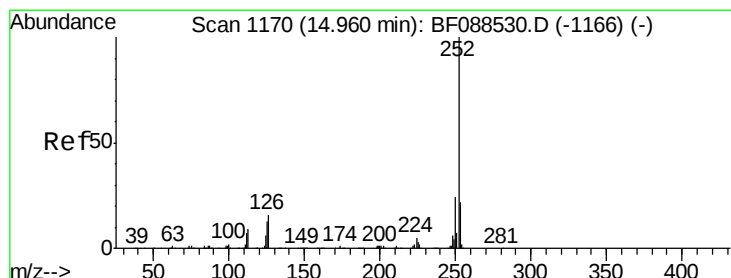
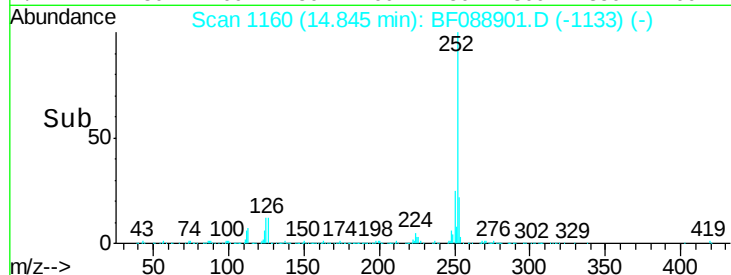
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 5.82 ng m

RT: 14.86 min Scan# 1161

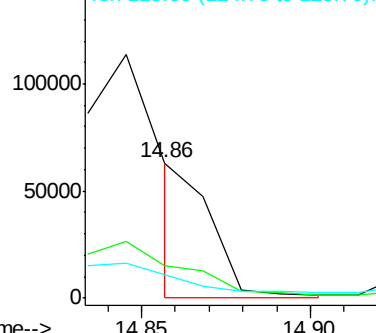
Delta R.T. -0.01 min

Lab File: BF088901.D

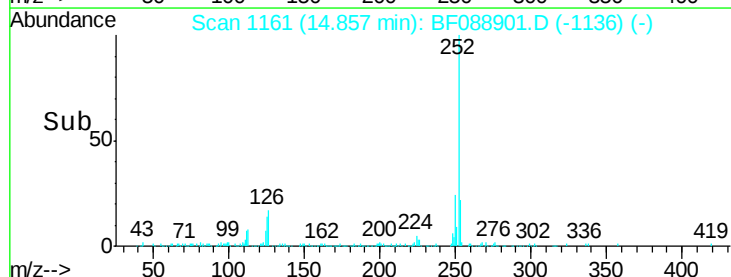
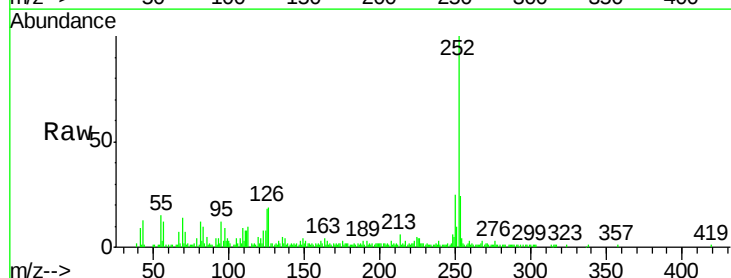
Acq: 11 Jul 2016 16:03

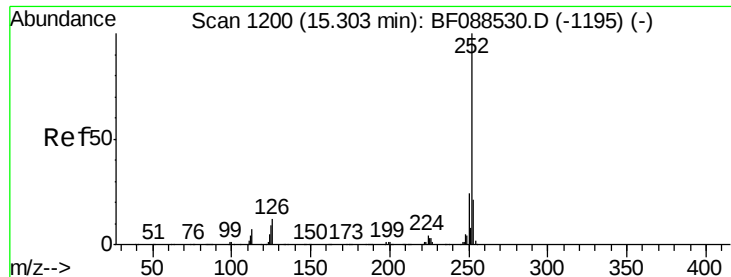
Tgt Ion:	252	Resp:	37725
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	17.6	11.2	16.8#

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



Time-->





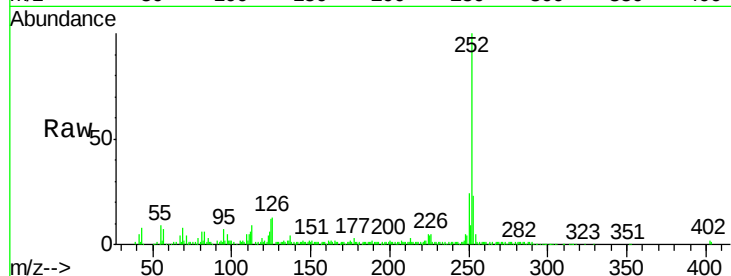
#89
Benzo(a)pyrene
Concen: 19.15 ng/ml
RT: 15.17 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF088901.D
Acq: 11 Jul 2016 16:03

Instrument :
BNA_F
ClientSampled :
NC-03

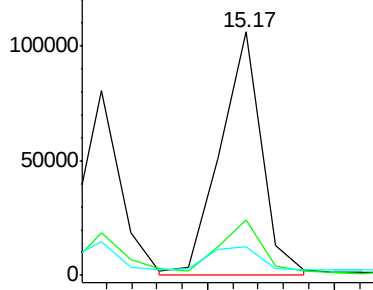
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	11.7	12.5	18.7

Manual Integrations

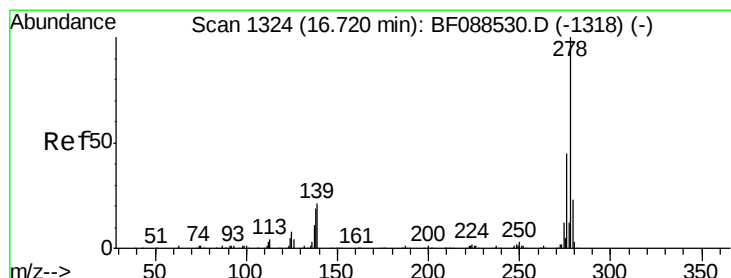
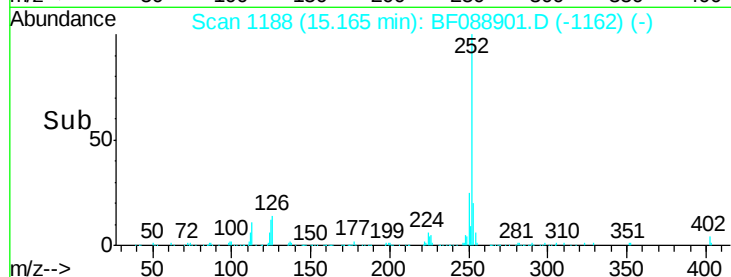
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

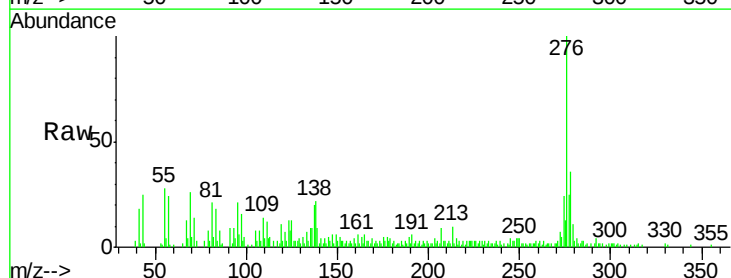


Time-->

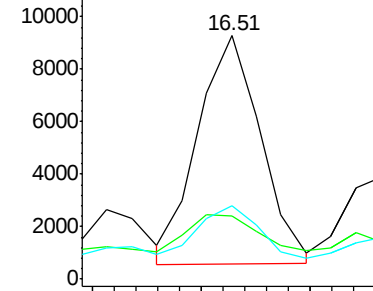


#90
Dibenzo(a,h)anthracene
Concen: 3.32 ng/ml
RT: 16.51 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF088901.D
Acq: 11 Jul 2016 16:03

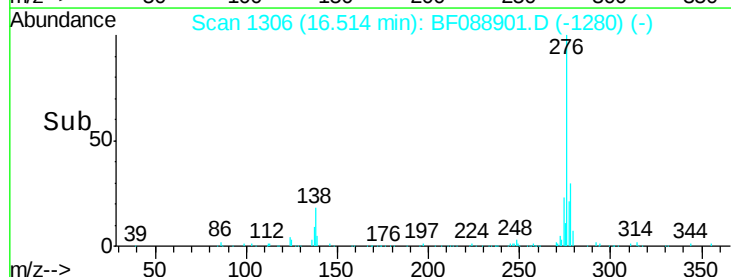
Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.8	15.7	23.5
279	29.9	19.4	29.2

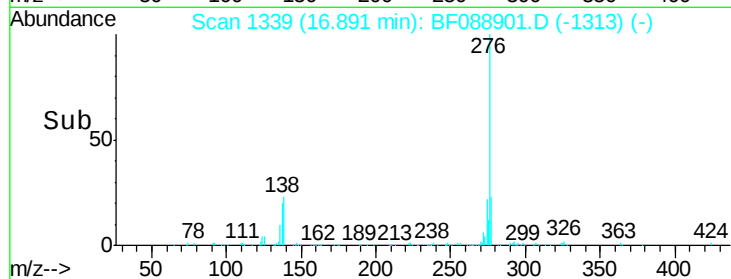
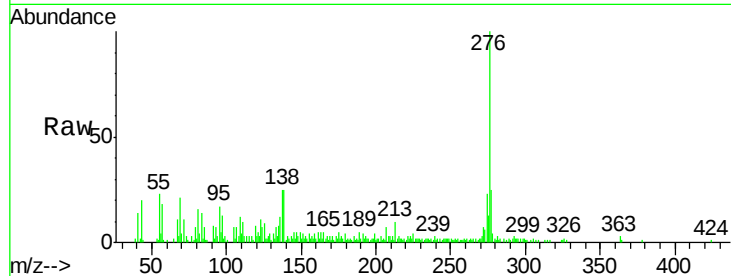
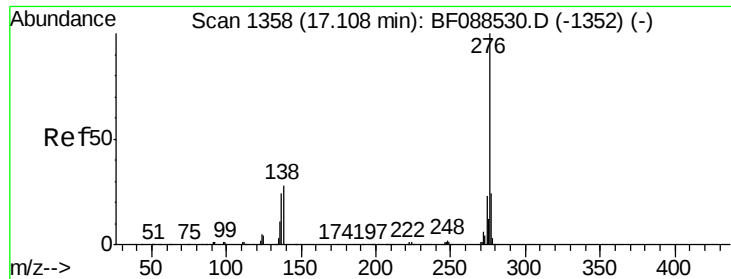


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#91
 Benzo(a,h,i)perylene
 Concen: 10.85 ng
 RT: 16.89 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: BF088901.D
 Acq: 11 Jul 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 NC-03

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	24.9	21.4	32.2

Manual Integrations

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