

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
 Data File : BF088900.D
 Acq On : 11 Jul 2016 15:34
 Operator : UM/SJ
 Sample : H3948-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-02

Manual Integrations

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 7/12/2016 7:36:43 PM

Quant Time: Jul 11 18:38:09 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	72253	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	271516	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	119796	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	194400	20.00	ng	0.00
75) Chrysene-d12	13.84	240	134458	20.00	ng	-0.01
86) Perylene-d12	15.22	264	131898	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	406531	84.32	ng	0.01
7) Phenol-d6	6.35	99	575627	92.41	ng	0.00
23) Nitrobenzene-d5	7.28	82	347925	67.15	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	96289	86.56	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	530619	69.97	ng	0.00
78) Terphenyl-d14	12.80	244	300114	49.71	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	105056	12.31	ng	99
51) Acenaphthene	9.77	154	24194	3.19	ng	98
54) Dibenzofuran	9.94	168	23783	2.39	ng	# 85
57) Fluorene	10.28	166	46147	6.02	ng	97
70) Phenanthrene	11.24	178	328219	30.89	ng	98
71) Anthracene	11.29	178	107559	10.18	ng	98
74) Fluoranthene	12.42	202	343210	31.86	ng	98
77) Pyrene	12.65	202	346897	30.43	ng	99
80) Benzo(a)anthracene	13.83	228	181353	20.95	ng	97
82) Chrysene	13.86	228	121850m	14.22	ng	
85) Indeno(1,2,3-cd)pyrene	16.50	276	65099	9.88	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	155948m	18.85	ng	
88) Benzo(k)fluoranthene	14.85	252	75571m	10.49	ng	
89) Benzo(a)pyrene	15.17	252	127395m	18.19	ng	
90) Dibenzo(a,h)anthracene	16.51	278	18133	3.10	ng	# 88
91) Benzo(g,h,i)perylene	16.89	276	63364	10.47	ng	97

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



#1

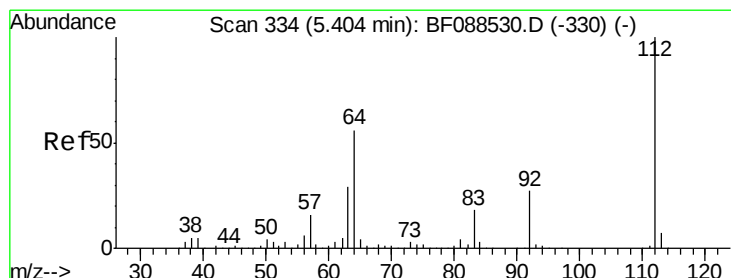
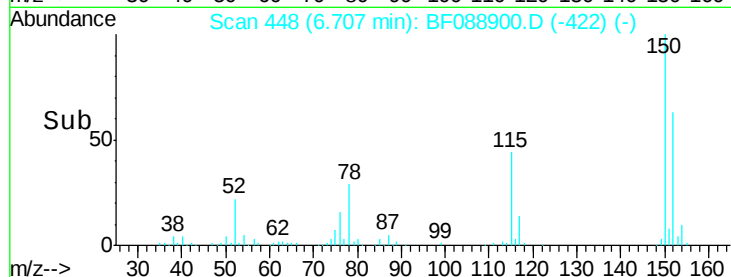
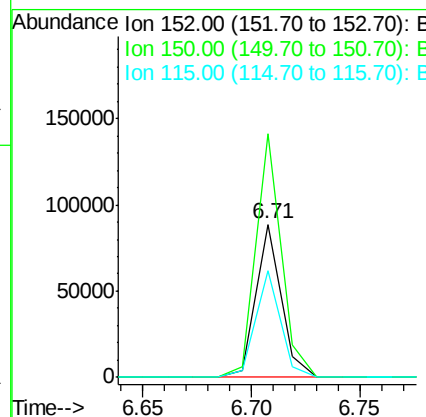
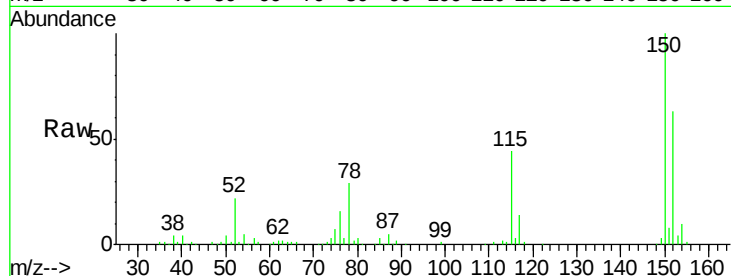
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Instrument :
BNA_F
ClientSampled :
NC-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.8	185.6
115	69.4	39.6	59.4

Manual Integrations

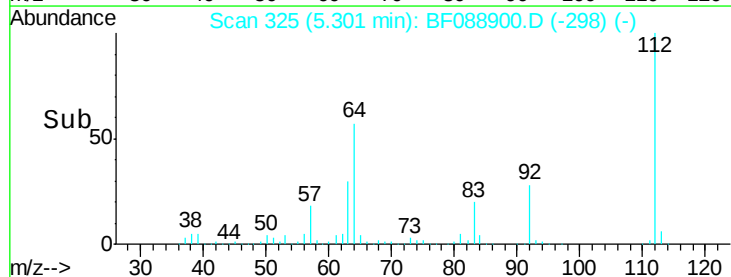
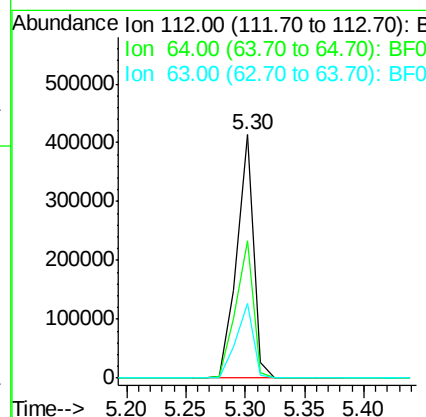
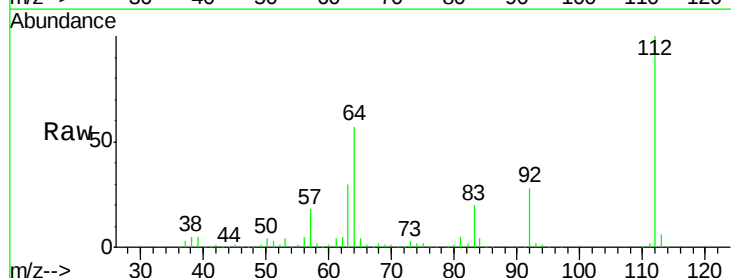
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#5

2-Fluorophenol
Concen: 84.32 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	42.2	63.2
63	30.5	21.8	32.8





#7

Phenol-d6

Concen: 92.41 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

Instrument :

BNA_F

ClientSampleId :

NC-02

Tot Ion: 99 Resp: 575627

Ion Ratio Lower Upper

99 100

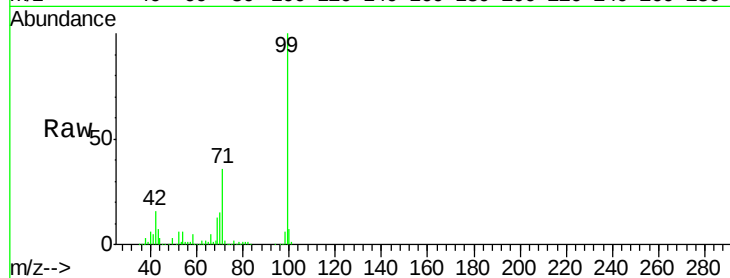
42 15.8 12.2 18.2

71 35.7 23.4 35.0#

Manual Integrations

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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

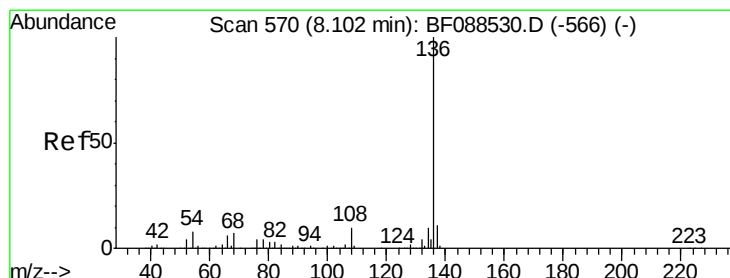
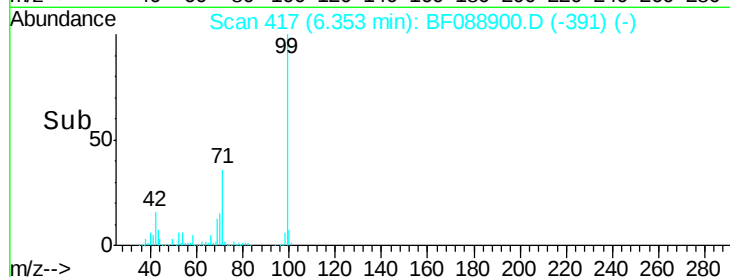
6.35

400000

200000

0

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

Tgt Ion: 136 Resp: 271516

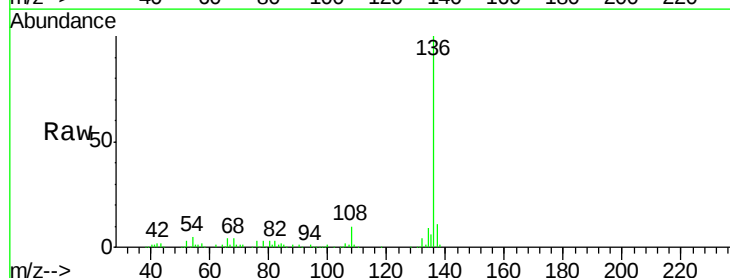
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 4.7 6.6 10.0#

68 4.2 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

8.00

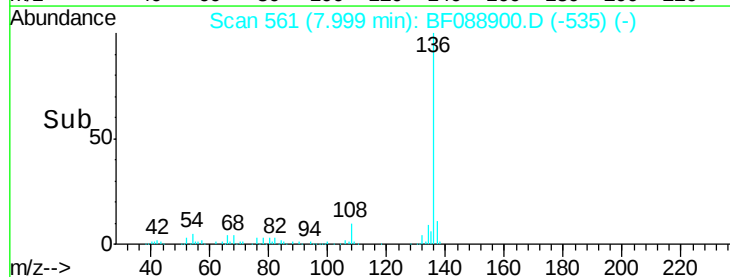
300000

200000

100000

0

Time-->





#23

Nitrobenzene-d5

Concen: 67.15 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

Instrument :

BNA_F

ClientSampleId :

NC-02

Tot Ion: 82 Resp: 347925

Ion Ratio Lower Upper

82 100

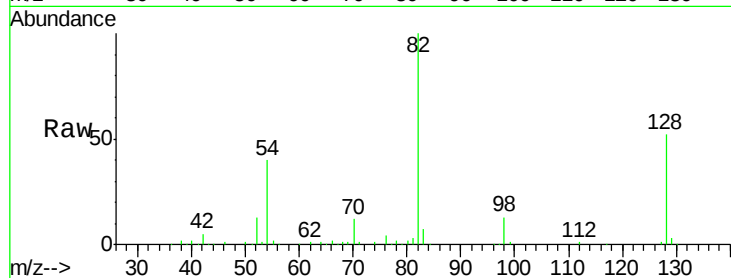
128 52.4 35.9 53.9

54 39.7 40.9 61.3#

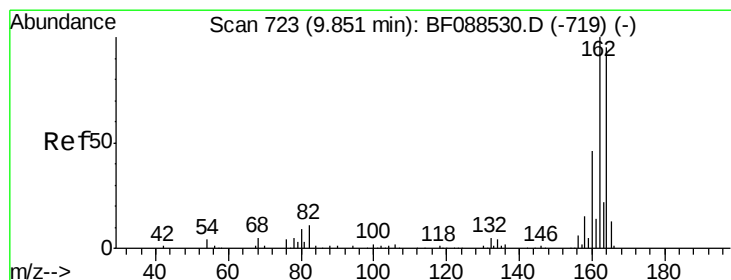
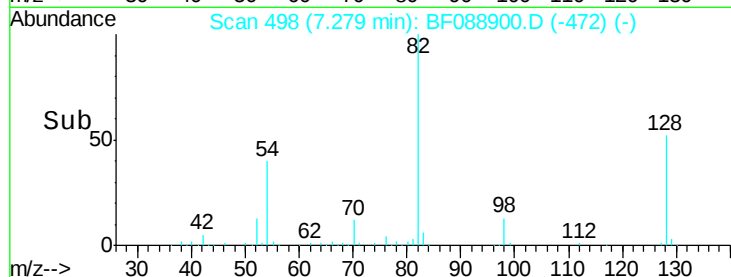
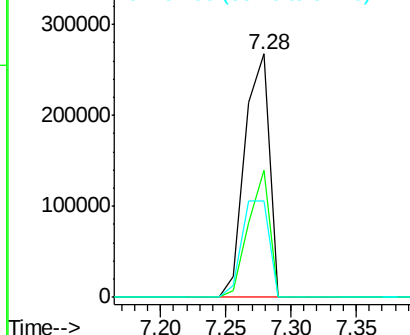
Manual Integrations

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

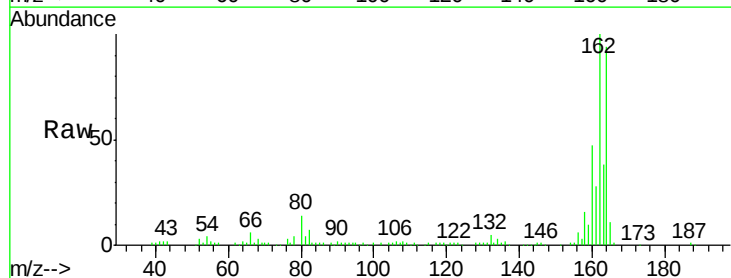
Tgt Ion:164 Resp: 119796

Ion Ratio Lower Upper

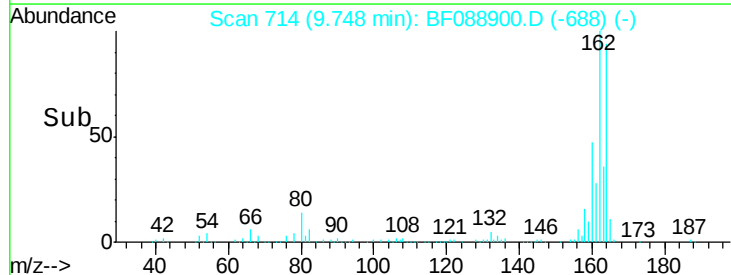
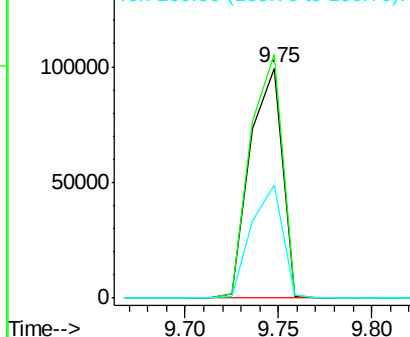
164 100

162 106.1 85.4 128.2

160 49.4 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





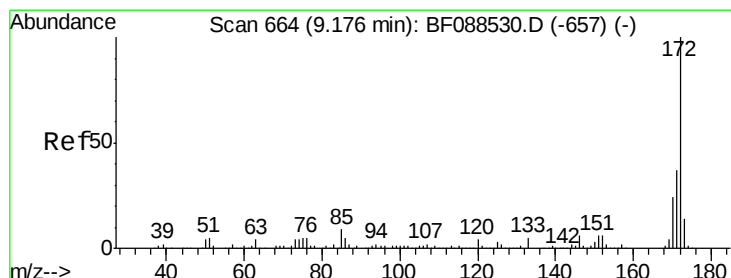
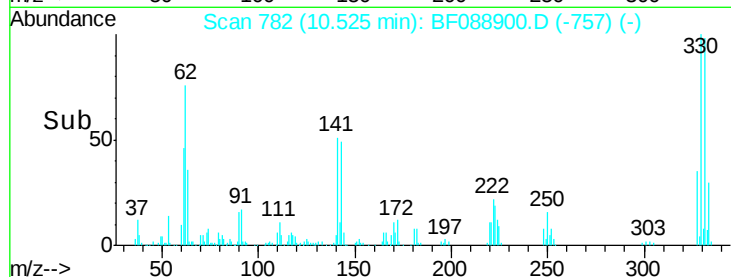
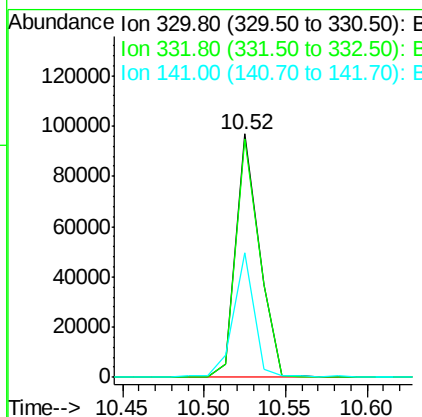
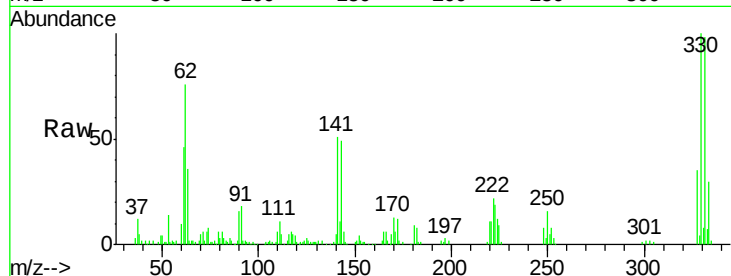
#41
 2,4,6-Tribromophenol
 Concen: 86.56 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088900.D
 Acq: 11 Jul 2016 15:34

Instrument :
 BNA_F
 ClientSampleId :
 NC-02

Tot Ion	Ratio	Resp	Lower	Upper
330	100	96289		
332	98.2	0.0	0.0	0.0
141	46.7	0.0	0.0	0.0

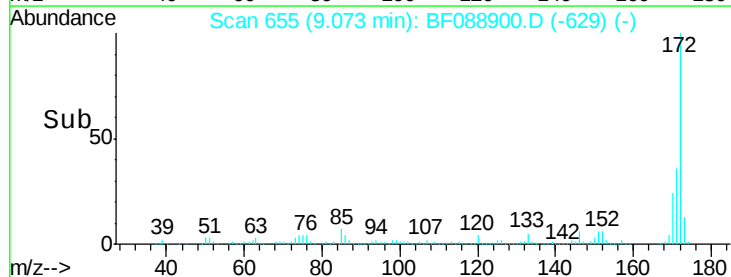
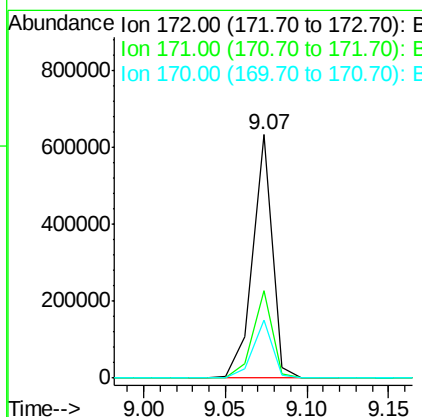
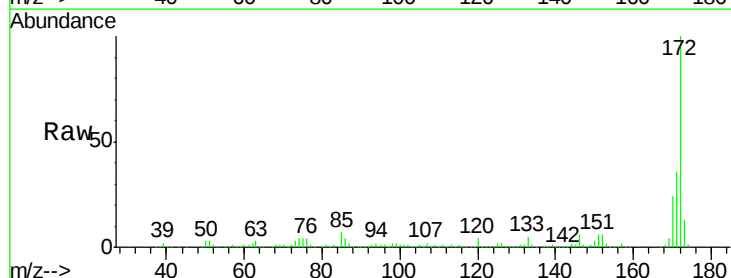
Manual Integrations

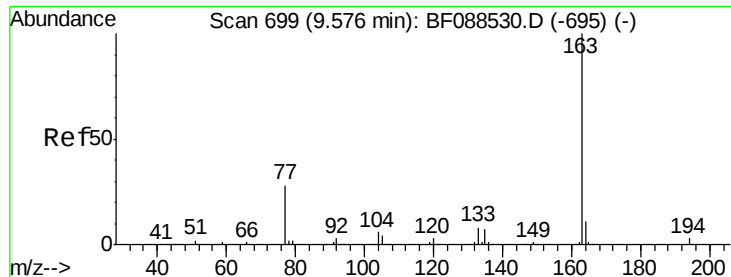
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#44
 2-Fluorobiphenyl
 Concen: 69.97 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088900.D
 Acq: 11 Jul 2016 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	530619		
171	36.0	28.6	43.0	
170	23.8	19.2	28.8	





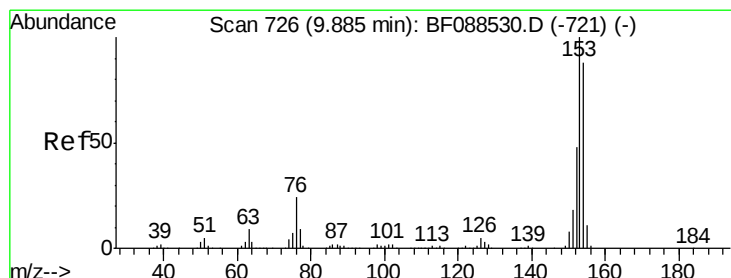
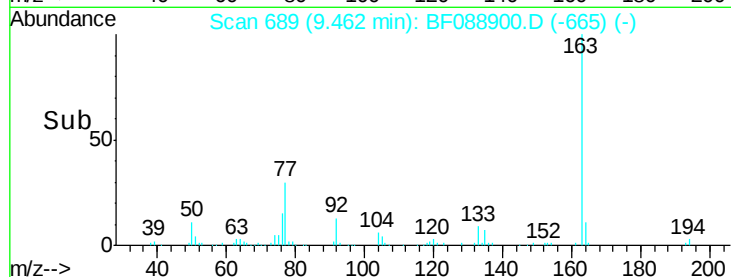
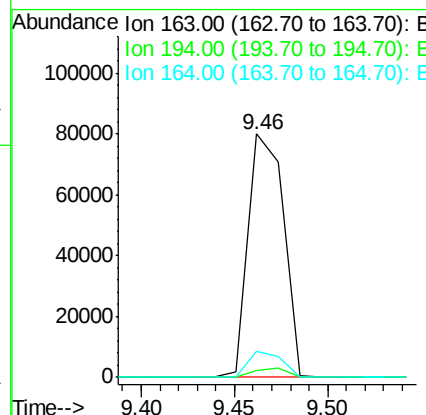
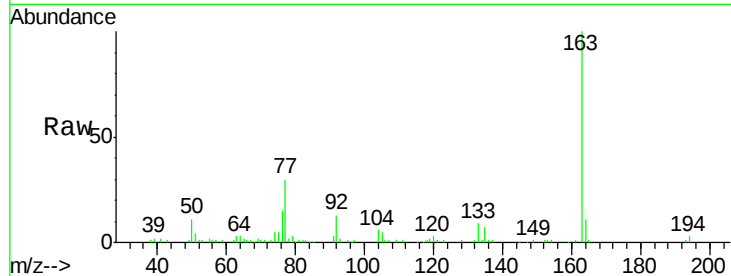
#49
Dimethylphthalate
Concen: 12.31 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Instrument :
BNA_F
ClientSampled :
NC-02

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	10.6	8.3	12.5

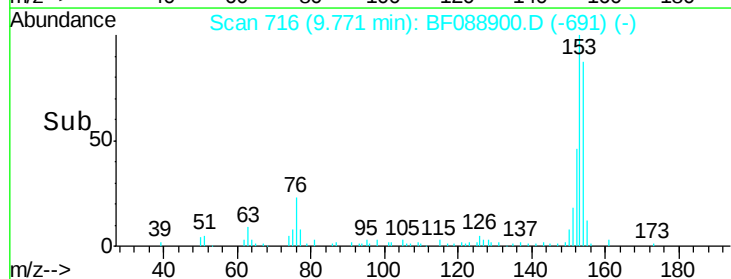
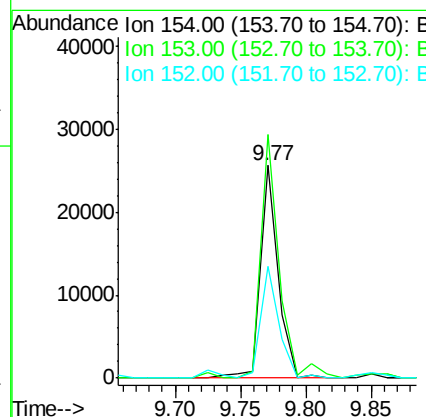
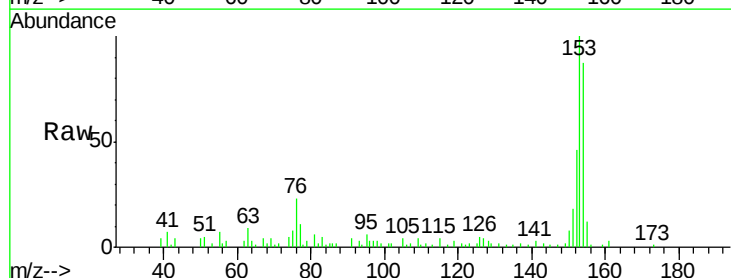
Manual Integrations

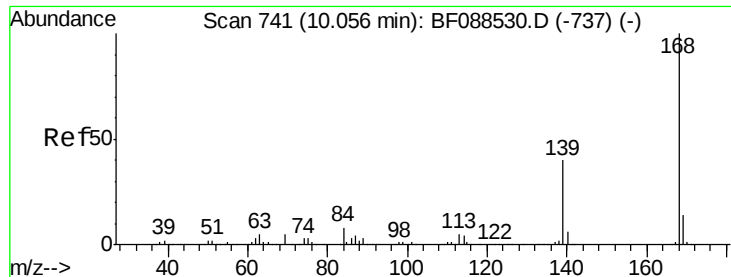
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#51
Acenaphthene
Concen: 3.19 ng
RT: 9.77 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.7	89.5	134.3
152	52.9	42.7	64.1





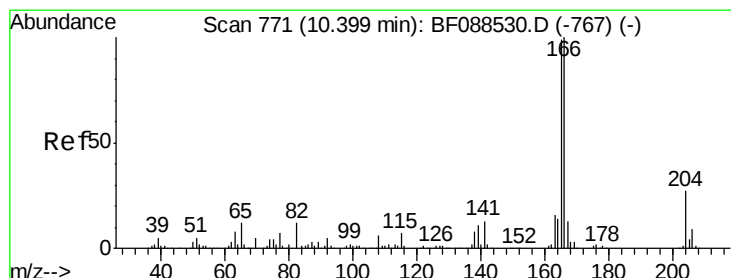
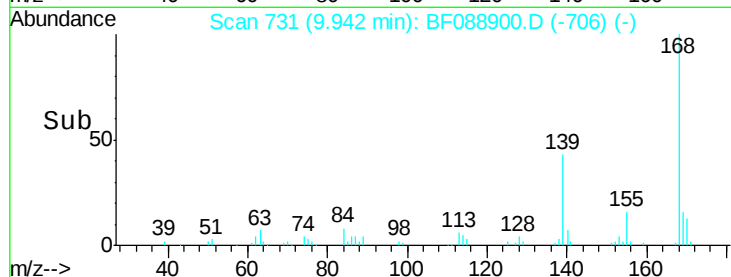
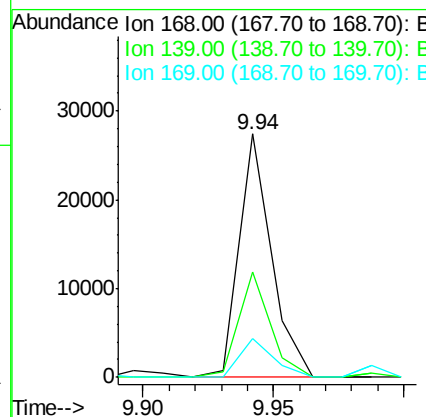
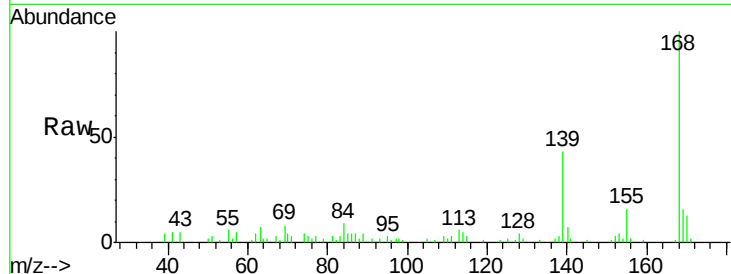
#54
Dibenzenofuran
Concen: 2.39 ng
RT: 9.94 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Instrument :
BNA_F
ClientSampleId :
NC-02

Tot Ion:168 Resp: 23783
Ion Ratio Lower Upper
168 100
139 43.2 26.4 39.6#
169 16.2 10.4 15.6#

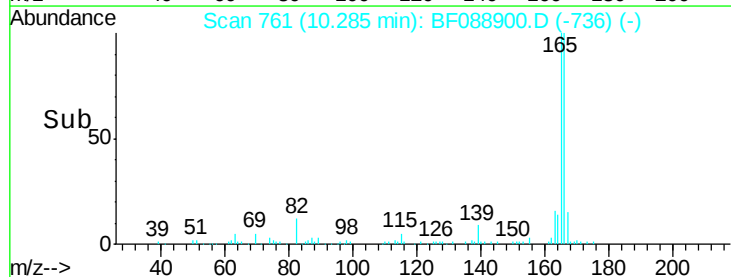
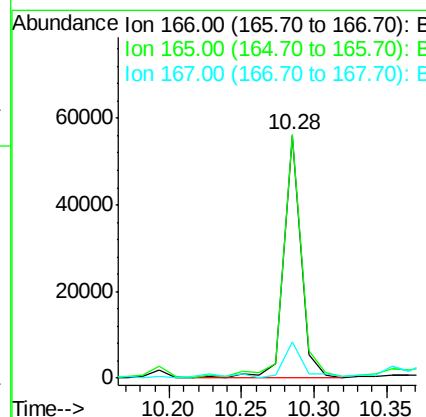
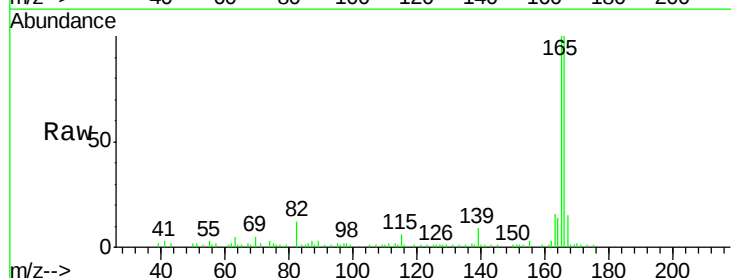
Manual Integrations

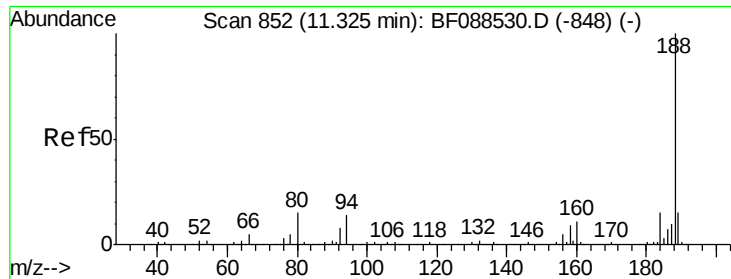
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#57
Fluorene
Concen: 6.02 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Tgt Ion:166 Resp: 46147
Ion Ratio Lower Upper
166 100
165 100.2 77.8 116.8
167 14.8 11.2 16.8





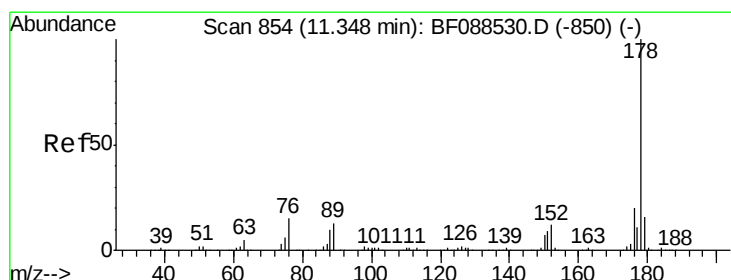
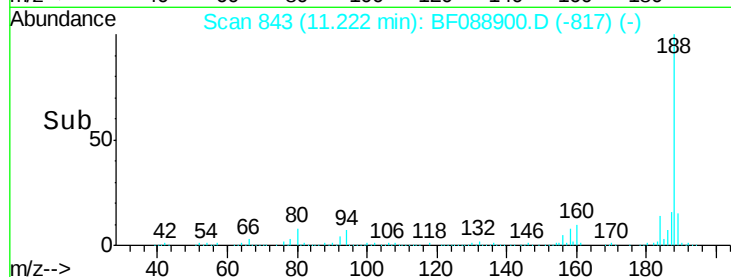
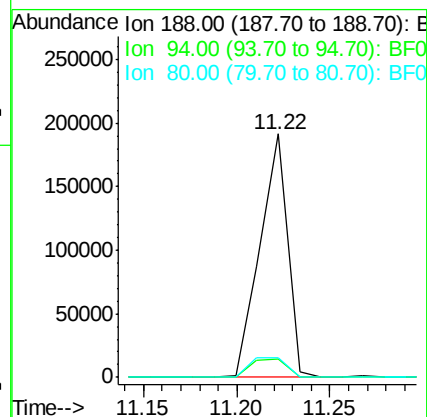
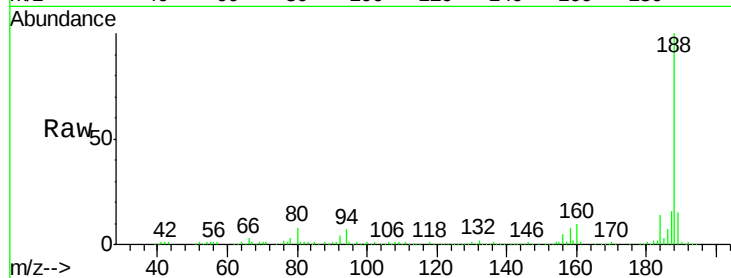
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Instrument :
BNA_F
ClientSampleId :
NC-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		194400		
94	7.5		9.0	13.6#	
80	7.8		10.0	15.0#	

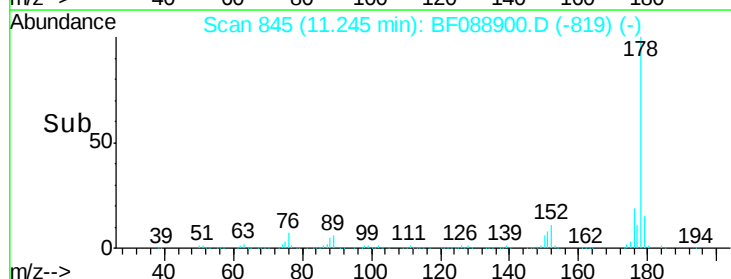
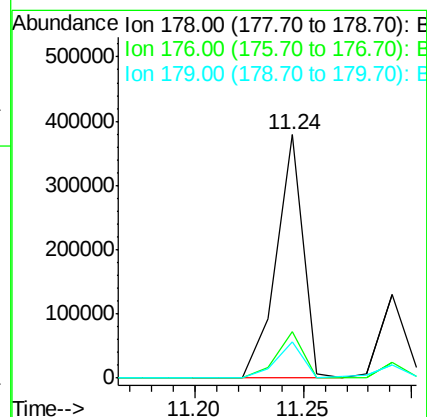
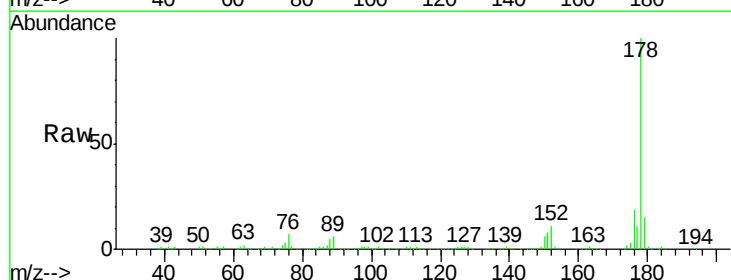
Manual Integrations

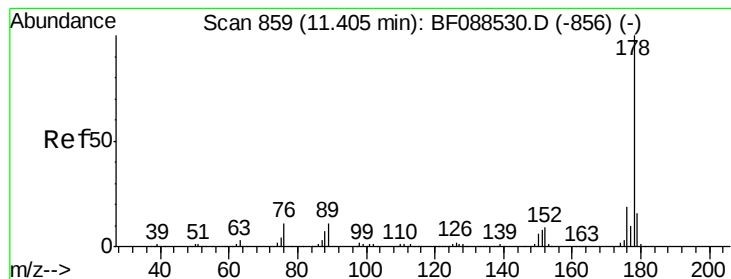
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#70
Phenanthrene
Concen: 30.89 ng
RT: 11.24 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		328219		
176	19.1		15.8	23.6	
179	15.2		13.0	19.4	





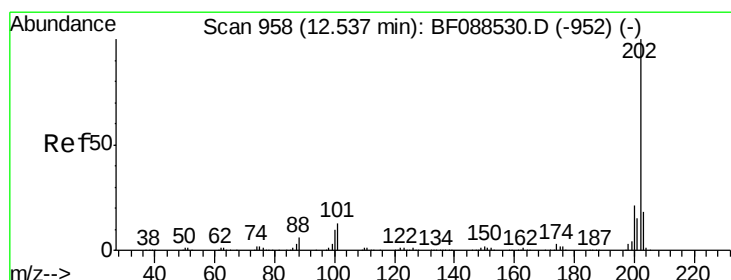
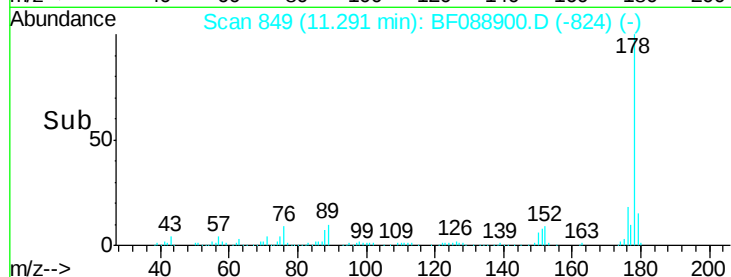
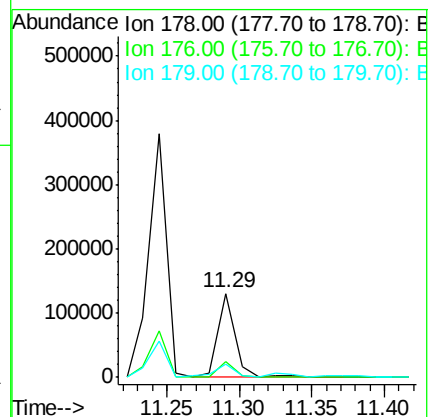
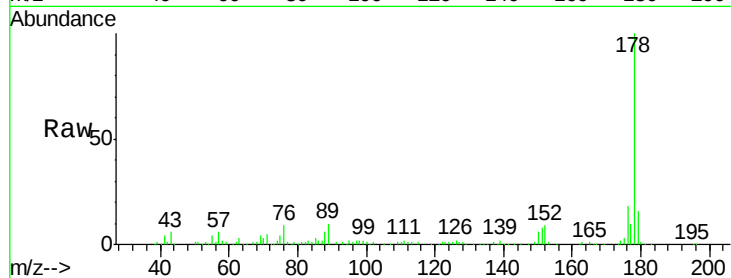
#71
 Anthracene
 Concen: 10.18 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: BF088900.D
 Acq: 11 Jul 2016 15:34

Instrument :
 BNA_F
 ClientSampled :
 NC-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.5	12.8	19.2

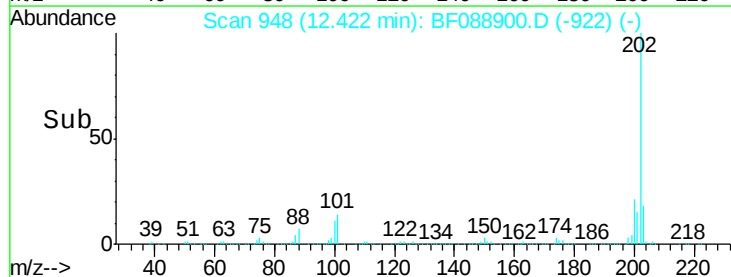
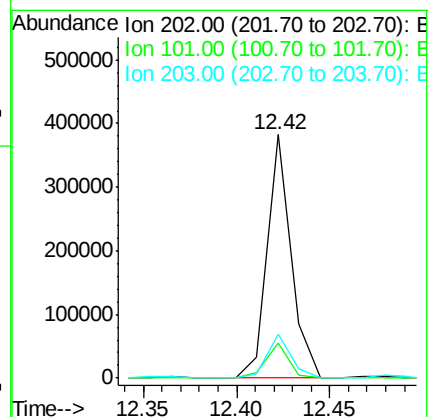
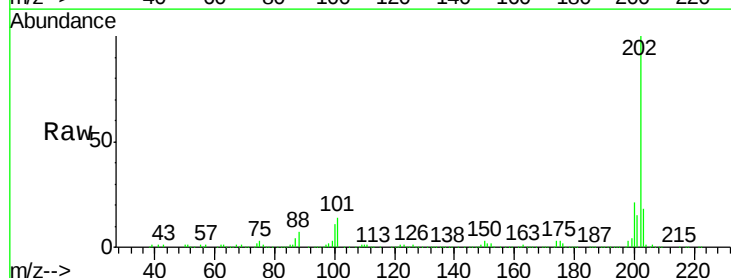
Manual Integrations

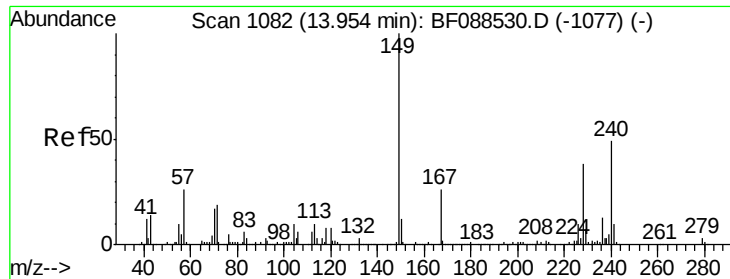
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#74
 Fluoranthene
 Concen: 31.86 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF088900.D
 Acq: 11 Jul 2016 15:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

Instrument :

BNA_F

ClientSampleId :

NC-02

Tot Ion:240 Resp: 134458

Ion Ratio Lower Upper

240 100

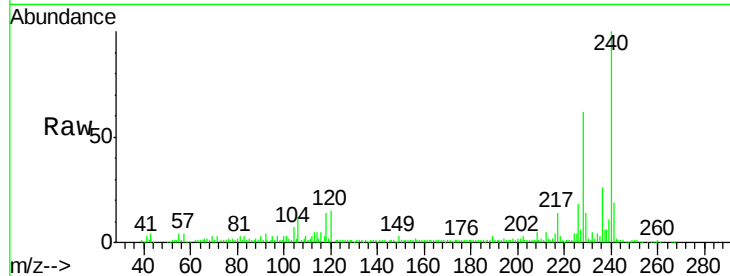
120 15.4 6.8 10.2#

236 26.3 20.2 30.2

Manual Integrations

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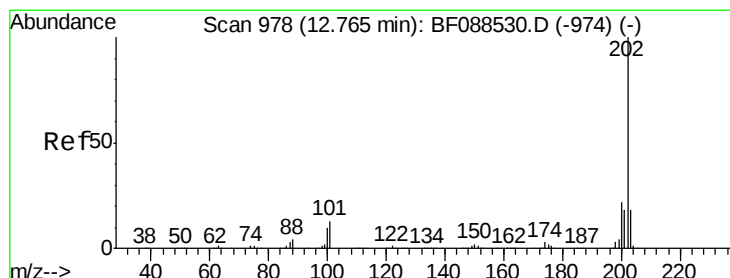
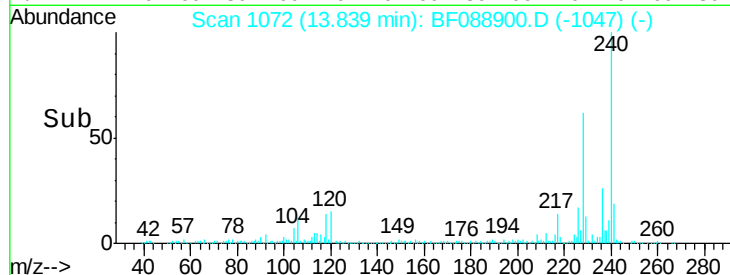
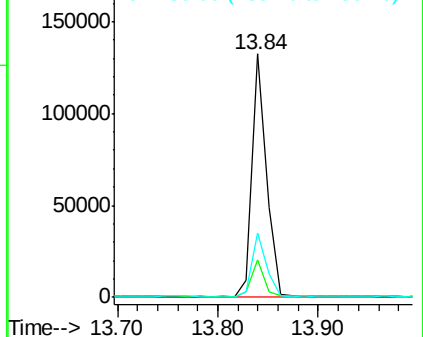
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 30.43 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

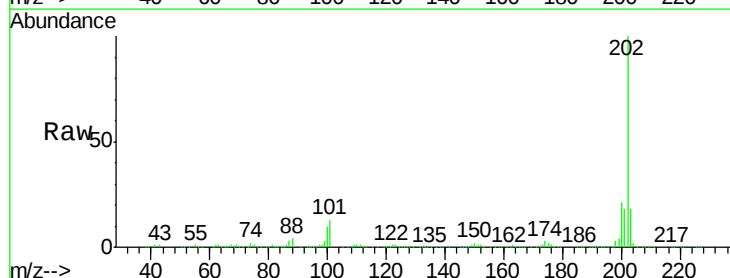
Tgt Ion:202 Resp: 346897

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

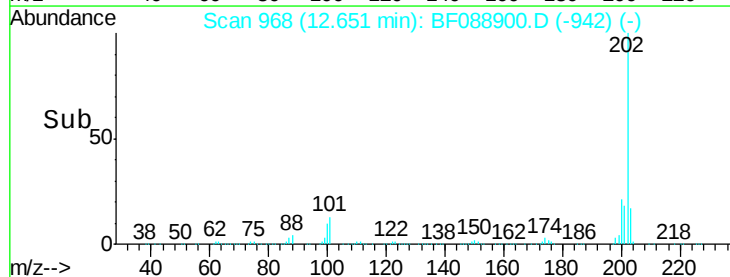
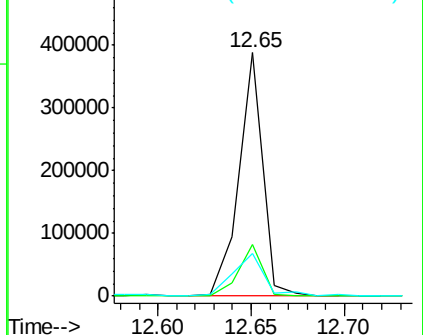
203 17.5 14.5 21.7

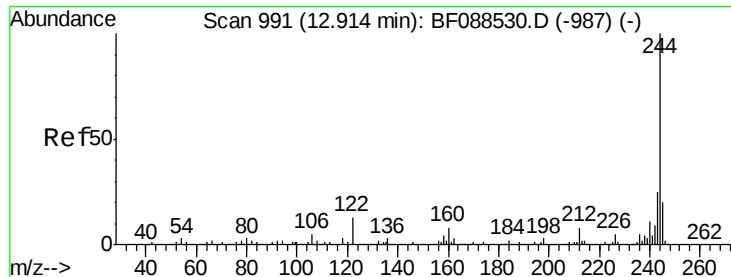


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





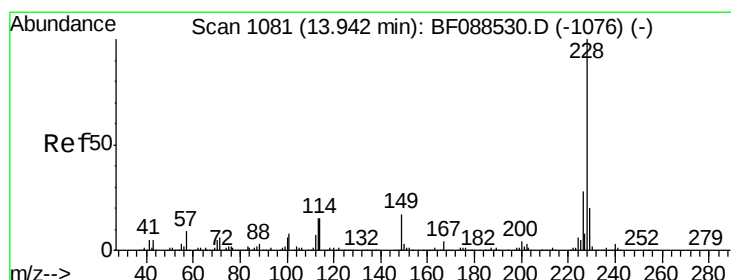
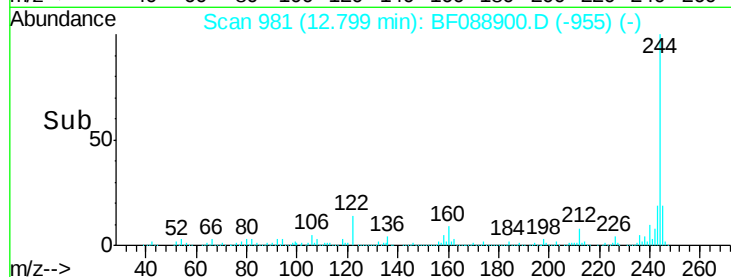
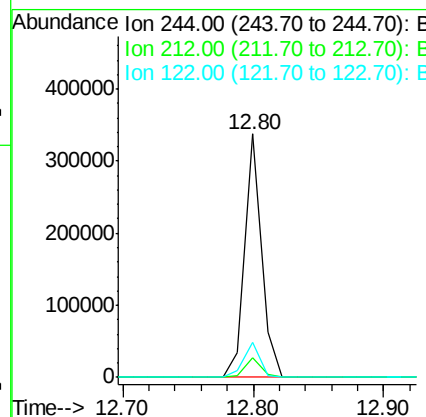
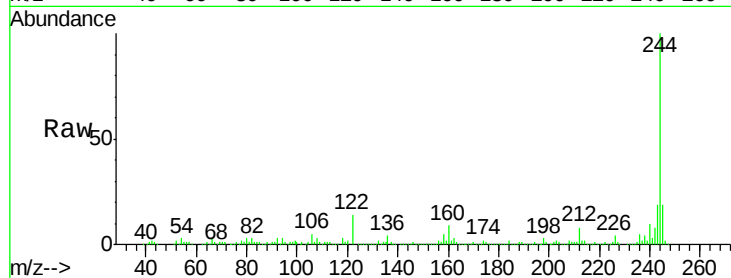
#78
 Terphenyl-d14
 Concen: 49.71 ng
 RT: 12.80 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF088900.D
 Acq: 11 Jul 2016 15:34

Instrument :
 BNA_F
 ClientSampleId :
 NC-02

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	14.5	11.2	16.8

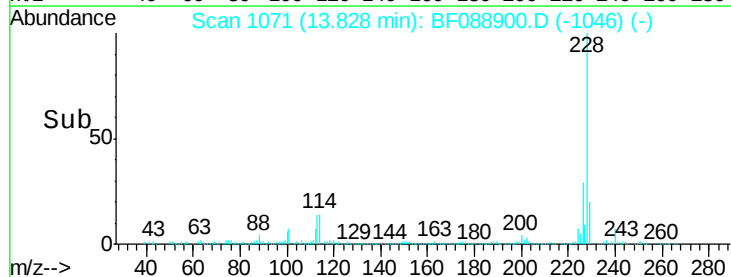
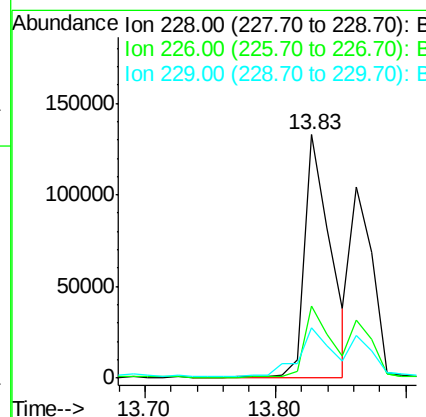
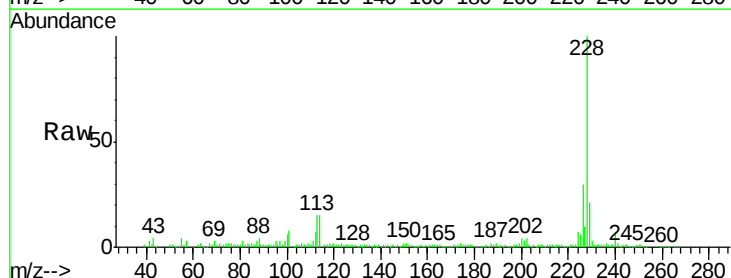
Manual Integrations

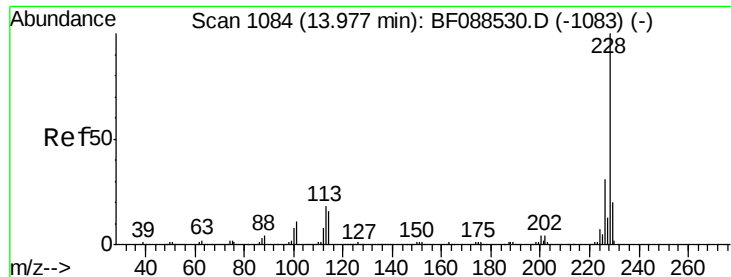
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#80
 Benzo(a)anthracene
 Concen: 20.95 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BF088900.D
 Acq: 11 Jul 2016 15:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	20.9	16.0	24.0





#82

Chrysene

Concen: 14.22 ng/mL

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

Instrument :

BNA_F

ClientSampleId :

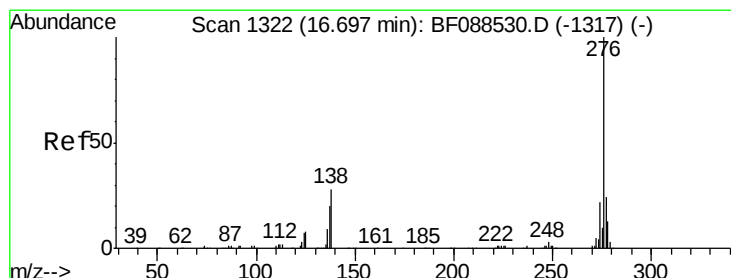
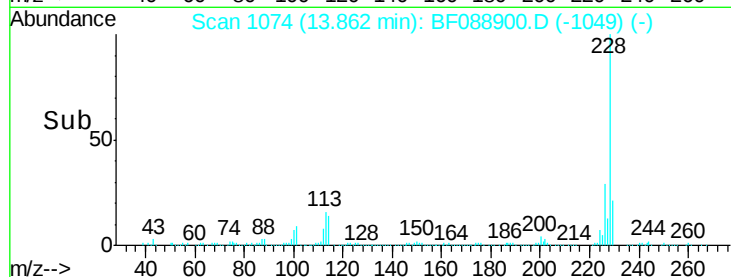
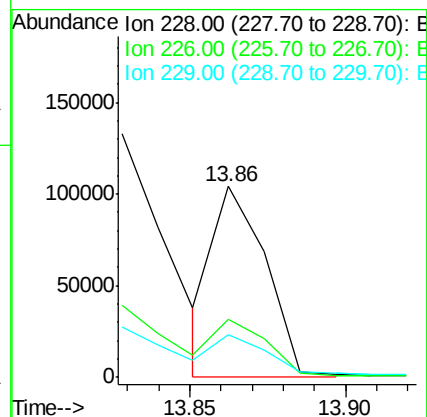
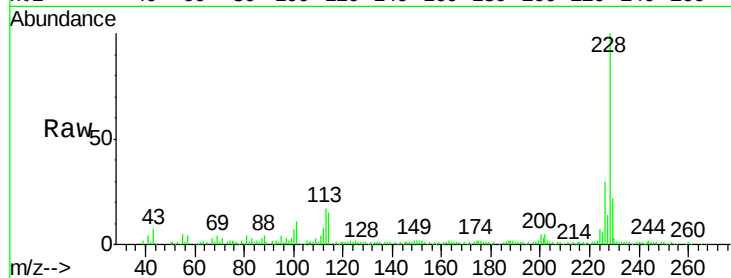
NC-02

Tot Ion:	228	Resp:	121850
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.2
229	22.3	16.3	24.5

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.88 ng/mL

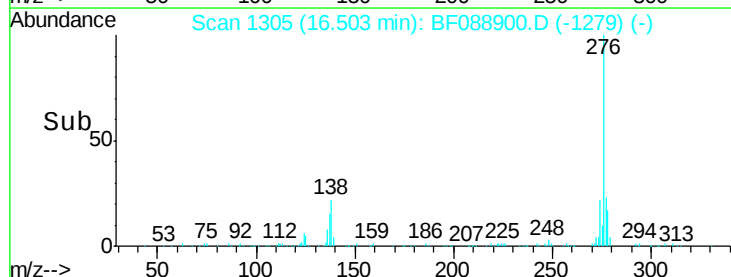
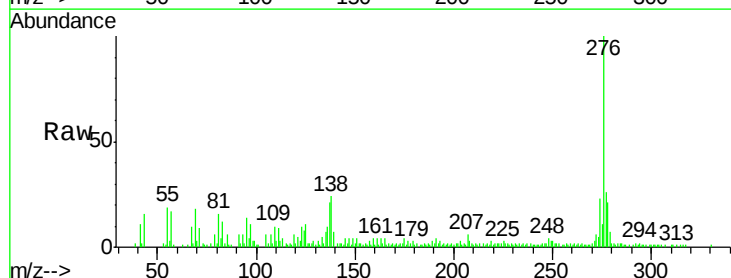
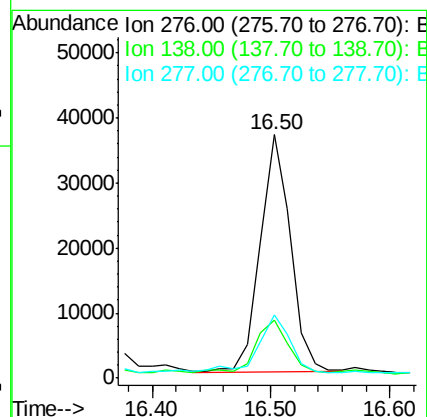
RT: 16.50 min Scan# 1305

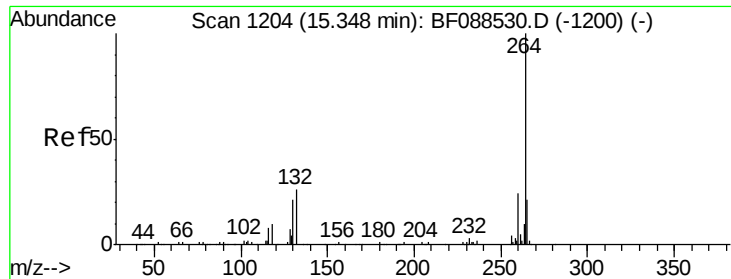
Delta R.T. 0.00 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

Tgt Ion:	276	Resp:	65099
Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	0.0#
277	26.8	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.22 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BF088900.D

Acq: 11 Jul 2016 15:34

Instrument :

BNA_F

ClientSampleId :

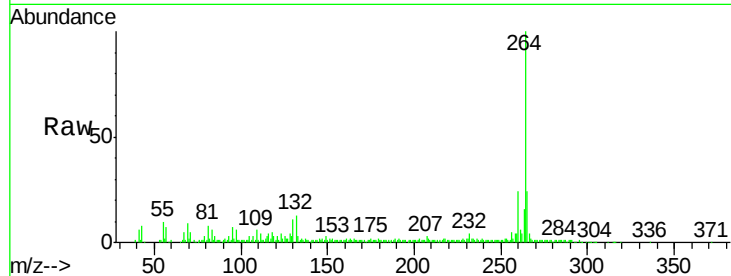
NC-02

Tot Ion:	264	Resp:	131898
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	23.7	16.9	25.3

Manual Integrations

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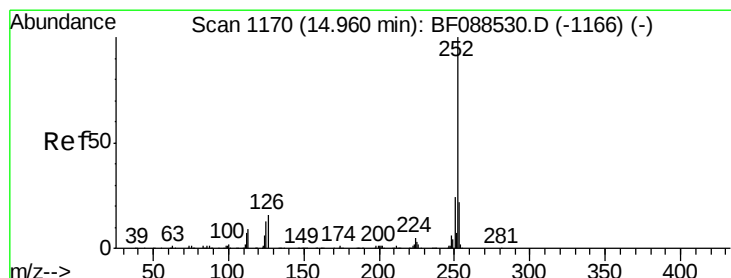
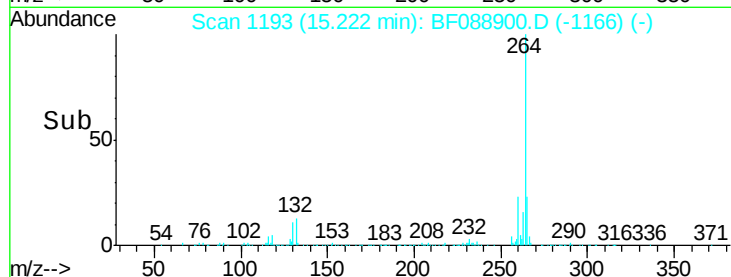
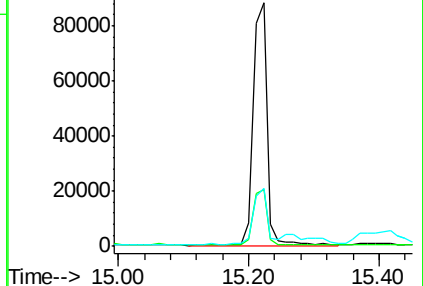
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 18.85 ng m

RT: 14.83 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF088900.D

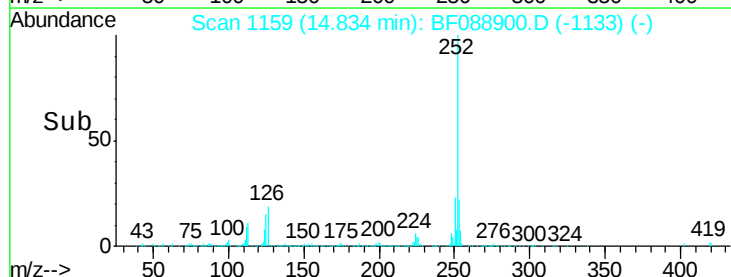
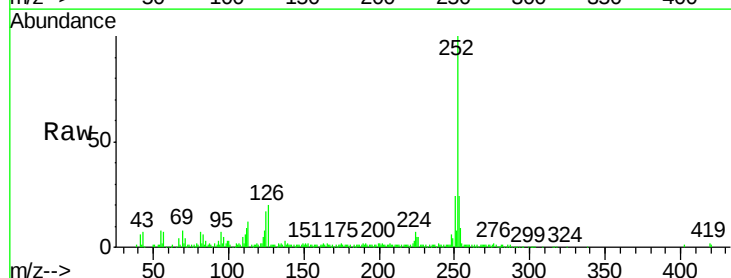
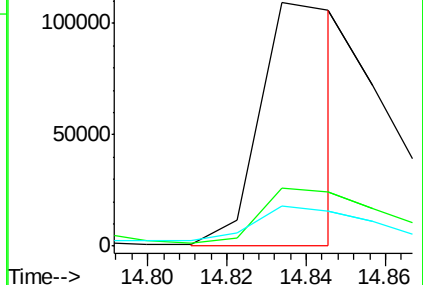
Acq: 11 Jul 2016 15:34

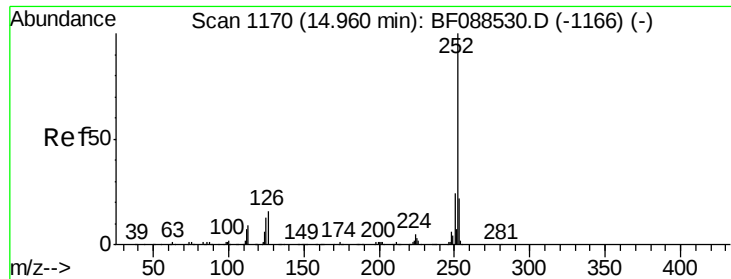
Tgt Ion:	252	Resp:	155948
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.2
125	16.7	7.1	10.7#

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





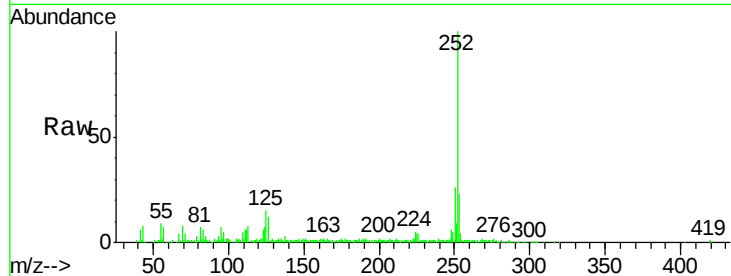
#88
Benzo(k)fluoranthene
Concen: 10.49 ng m
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Instrument :
BNA_F
ClientSampled :
NC-02

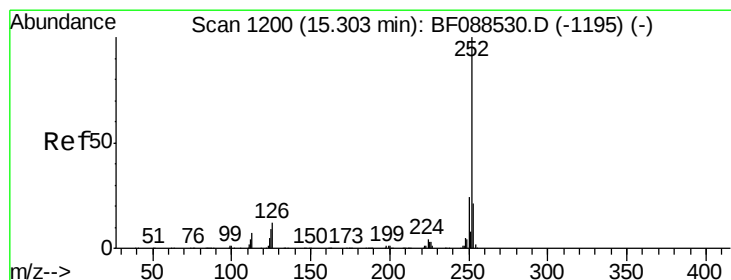
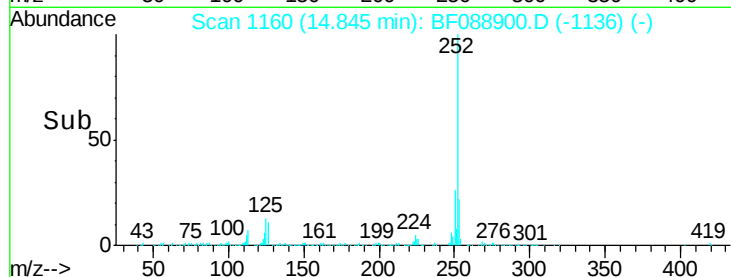
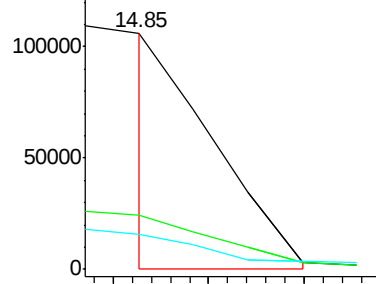
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.6	11.2	16.8

Manual Integrations

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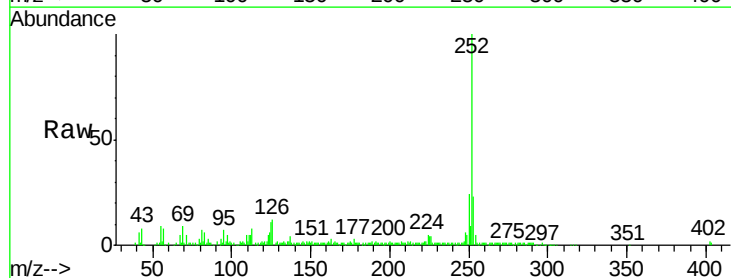


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

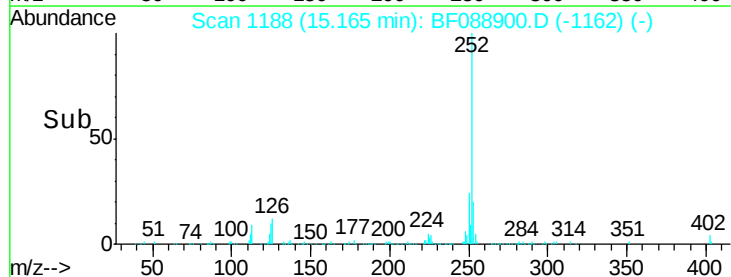
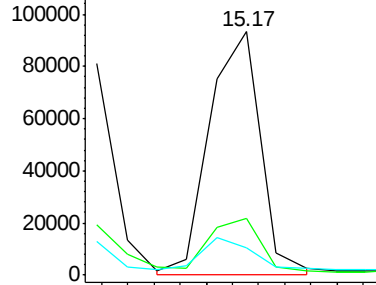


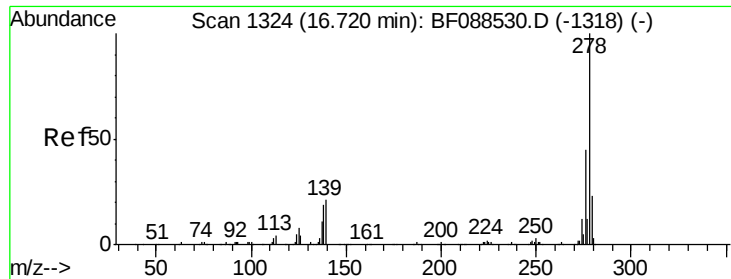
#89
Benzo(a)pyrene
Concen: 18.19 ng m
RT: 15.17 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.0	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





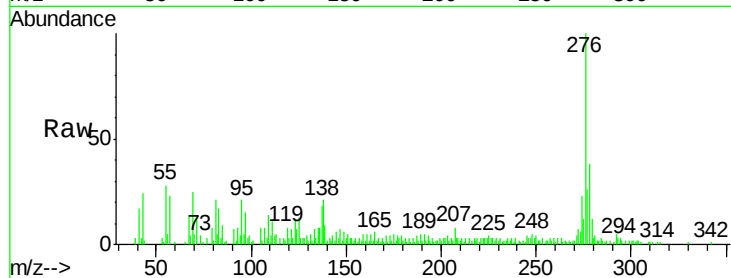
#90
Dibenzo(a,h)anthracene
Concen: 3.10 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Instrument :
BNA_F
ClientSampled :
NC-02

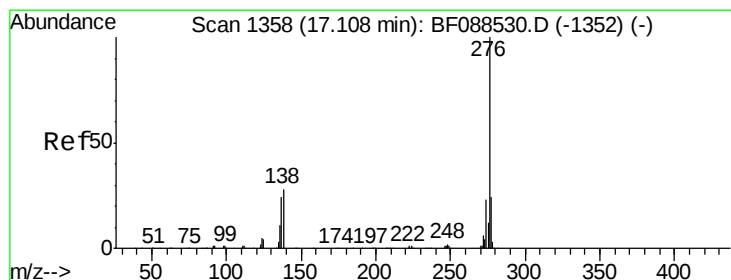
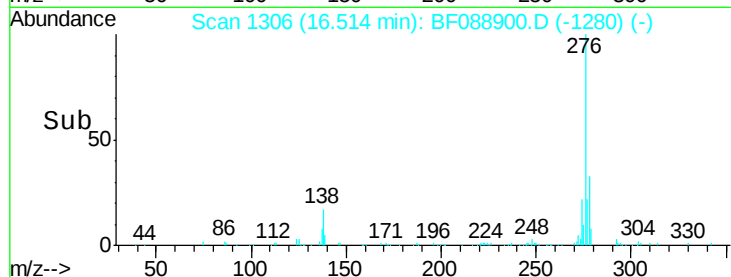
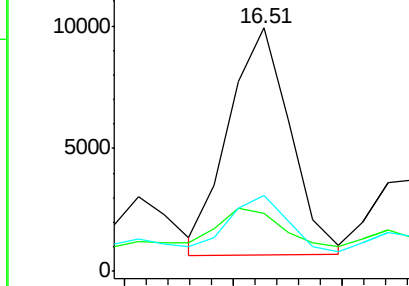
Tot Ion:278 Resp: 18133
Ion Ratio Lower Upper
278 100
139 23.8 15.7 23.5#
279 31.2 19.4 29.2#

Manual Integrations

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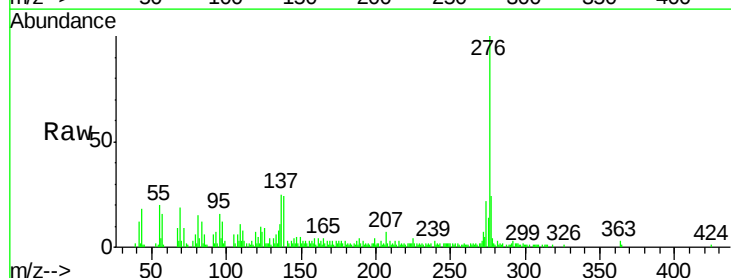


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 10.47 ng
RT: 16.89 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF088900.D
Acq: 11 Jul 2016 15:34

Tgt Ion:276 Resp: 63364
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 24.4 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

