

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
 Data File : BF088802.D
 Acq On : 8 Jul 2016 2:30
 Operator : UM/SJ
 Sample : H3889-10 4X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Manual Integrations

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 SOHIL
 7/8/2016 7:04:22 AM

Quant Time: Jul 08 04:08:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 01:56:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	79914	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	278315	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	118254	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	202085	20.00	ng	0.00
75) Chrysene-d12	13.90	240	157414	20.00	ng	0.01
86) Perylene-d12	15.29	264	125176	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	40090	7.52	ng	0.00
7) Phenol-d6	6.36	99	72268	10.49	ng	-0.02
23) Nitrobenzene-d5	7.30	82	42367	7.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	19463	17.72	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	91712	12.25	ng	0.00
78) Terphenyl-d14	12.85	244	106789	15.11	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	97613	11.59	ng	Qvalue 99
70) Phenanthrene	11.28	178	22572	2.04	ng	96
74) Fluoranthene	12.47	202	50873	4.54	ng	90
77) Pyrene	12.70	202	45938	3.44	ng	# 91
80) Benzo(a)anthracene	13.89	228	21127	2.08	ng	# 83
82) Chrysene	13.92	228	27166	2.71	ng	# 90
83) Bis(2-ethylhexyl)phthalate	13.90	149	41266	6.07	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.61	276	21865	2.83	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	41009m	5.22	ng	
89) Benzo(a)pyrene	15.23	252	18728	2.82	ng	# 53
91) Benzo(g,h,i)perylene	16.99	276	22911	3.99	ng	94

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

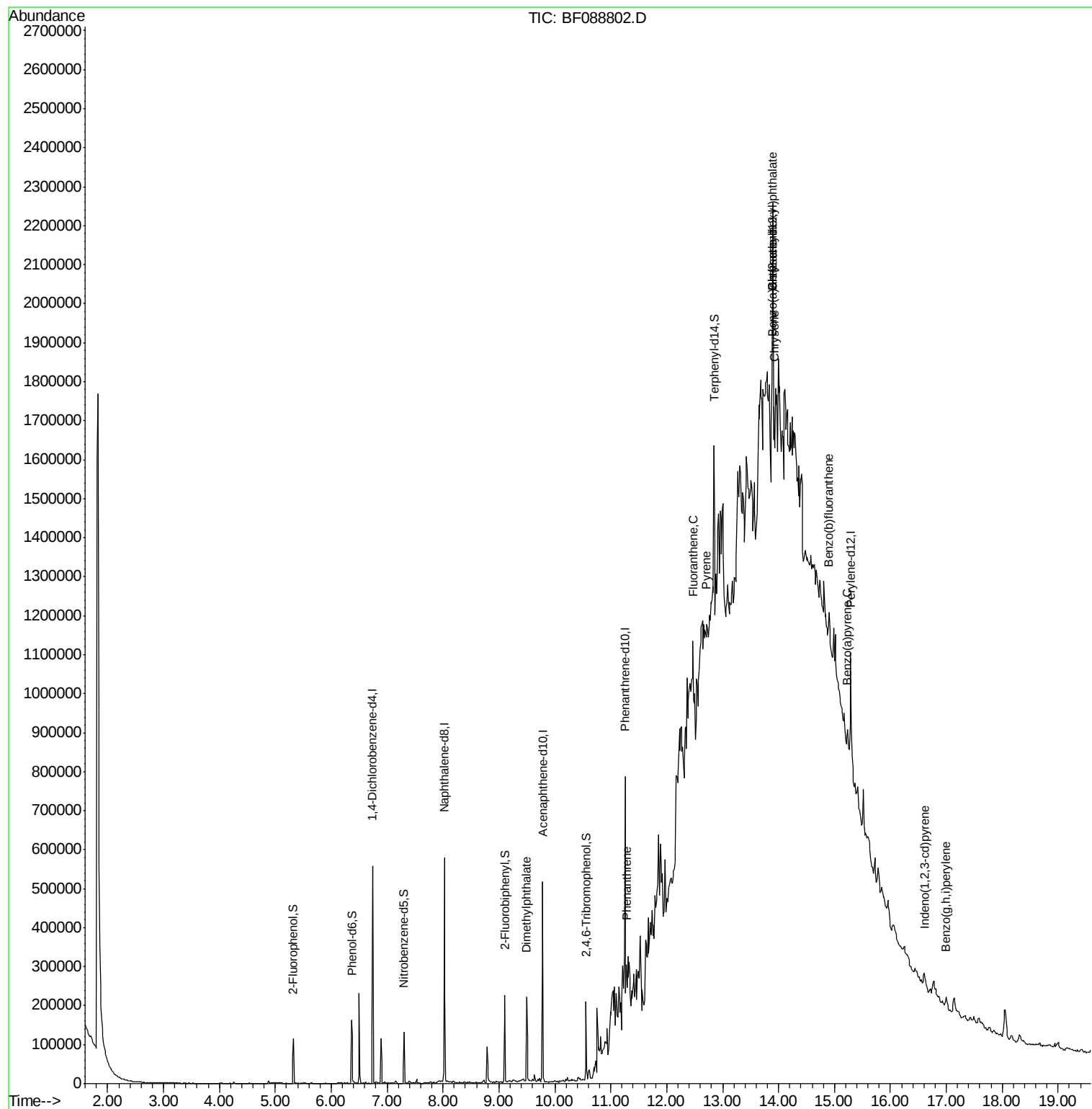
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
Data File : BF088802.D
Acq On : 8 Jul 2016 2:30
Operator : UM/SJ
Sample : H3889-10 4X
Misc :
ALS Vial : 32 Sample Multiplier: 1

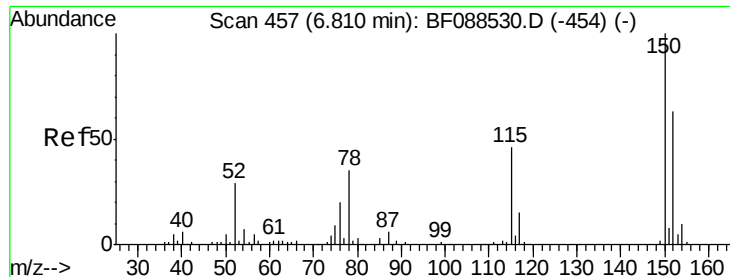
Instrument :
BNA_F
ClientSampled :
SS-10

Manual Integrations

Quant Time: Jul 08 04:08:49 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

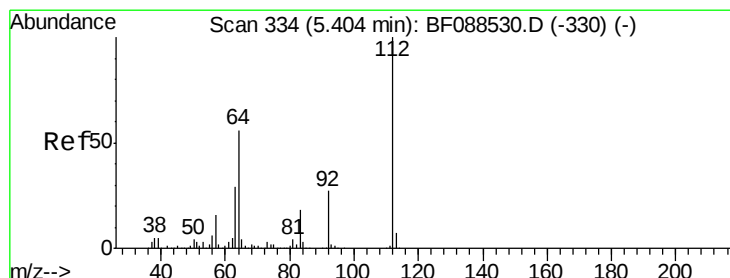
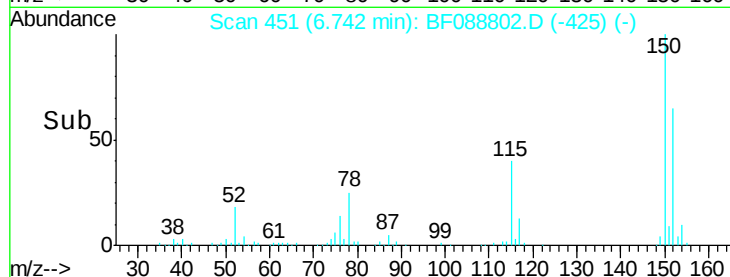
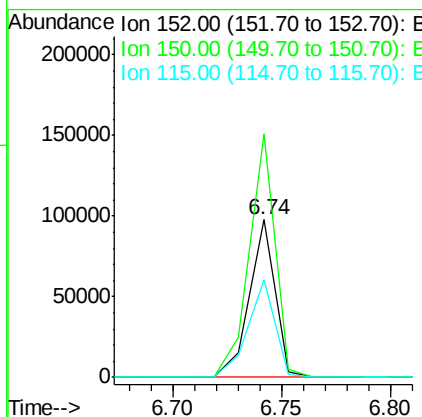
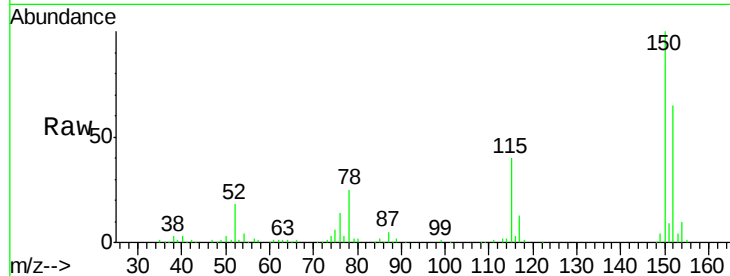
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.8	185.6
115	62.3	39.6	59.4

Manual Integrations

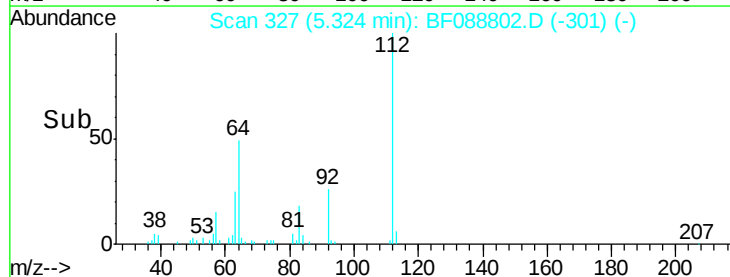
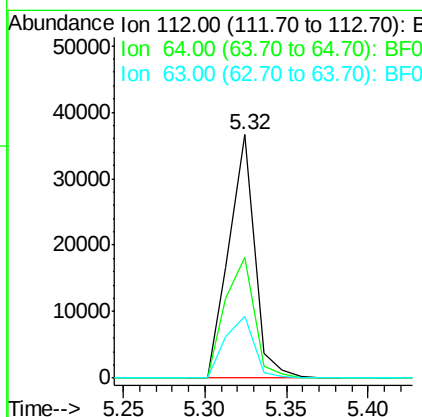
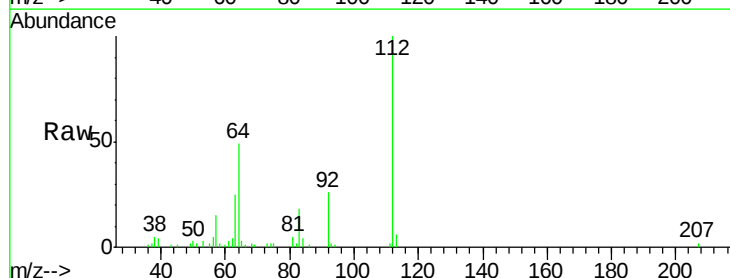
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#5

2-Fluorophenol
Concen: 7.52 ng
RT: 5.32 min Scan# 327
Delta R.T. 0.00 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	42.2	63.2
63	25.5	21.8	32.8





#7

Phenol-d6

Concen: 10.49 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

Tot Ion: 99 Resp: 72268

Ion Ratio Lower Upper

99 100

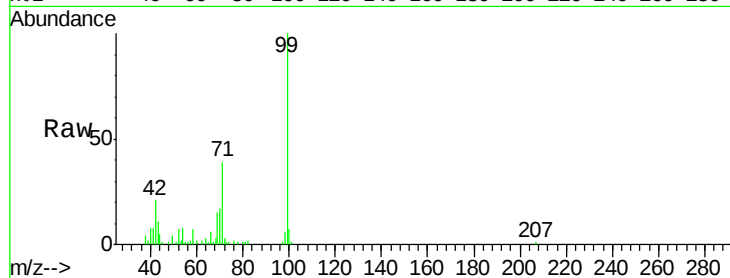
42 21.0 12.2 18.2#

71 39.1 23.4 35.0#

Manual Integrations

SOHIL

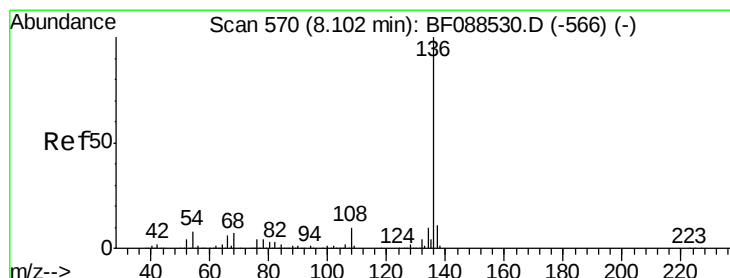
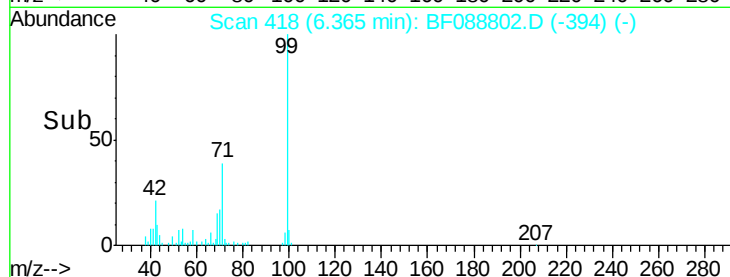
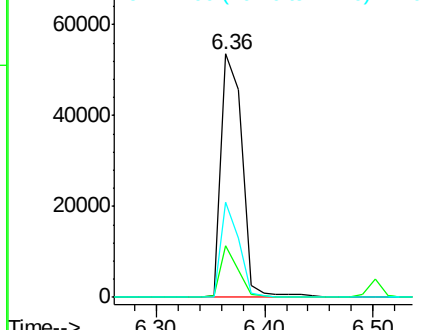
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Tgt Ion: 136 Resp: 278315

Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.2 6.6 10.0

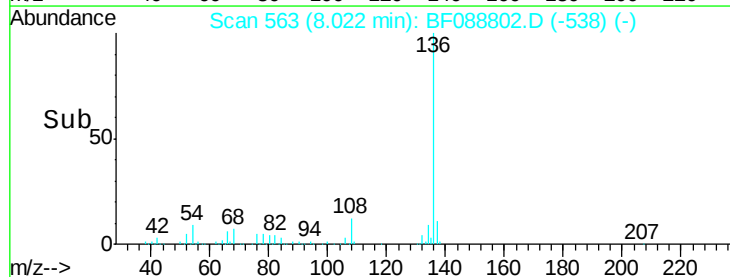
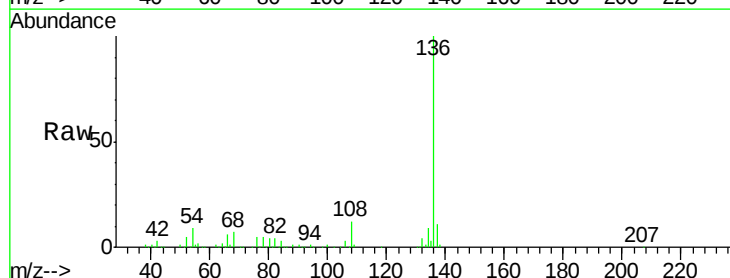
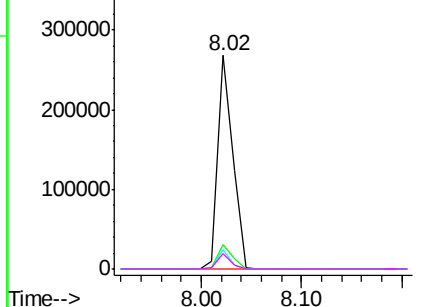
68 7.2 5.1 7.7

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





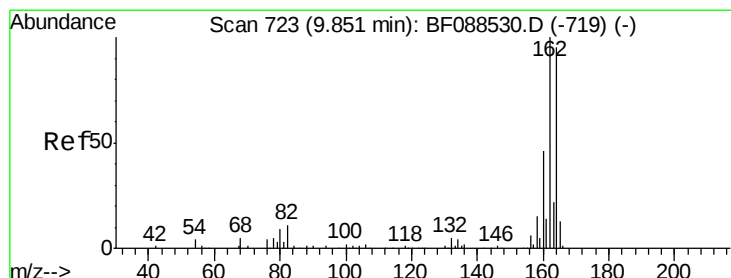
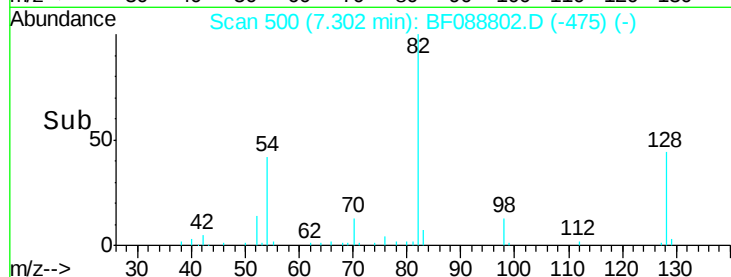
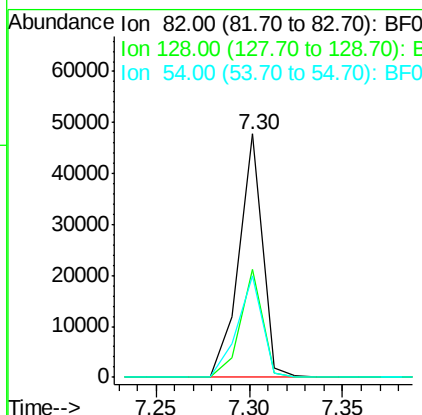
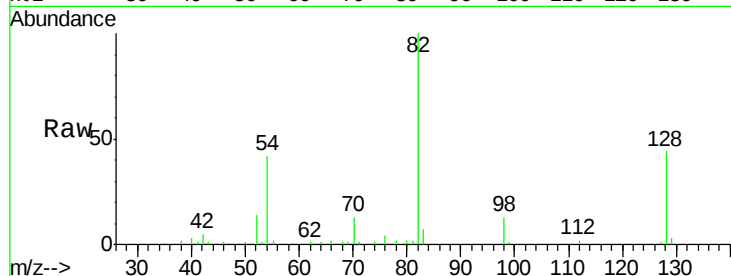
#23
Nitrobenzene-d5
Concen: 7.98 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.01 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	82	Resp	42367
Ion Ratio	100	Lower	Upper
128	44.4	35.9	53.9
54	41.8	40.9	61.3

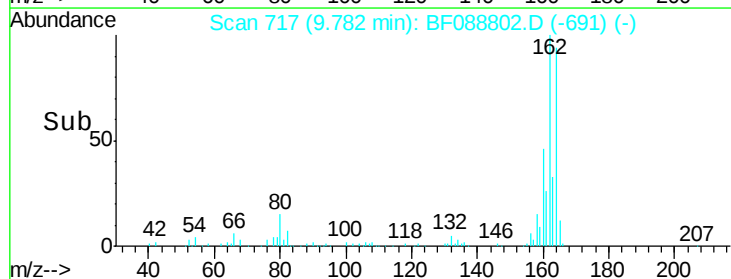
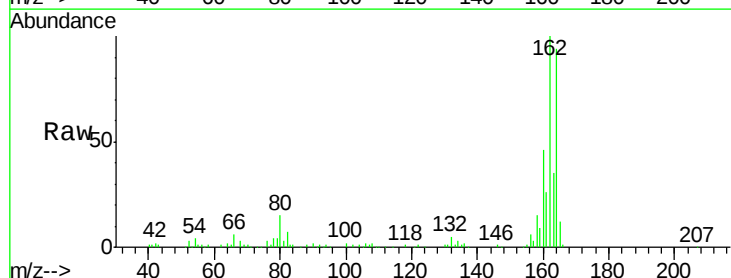
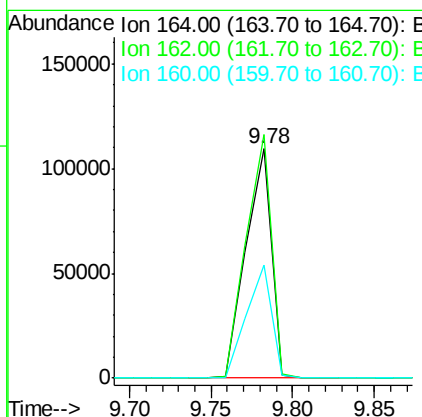
Manual Integrations

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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: BF088802.D
Acq: 8 Jul 2016 2:30

Tgt Ion	164	Resp	118254
Ion Ratio	100	Lower	Upper
162	106.1	85.4	128.2
160	49.1	39.5	59.3





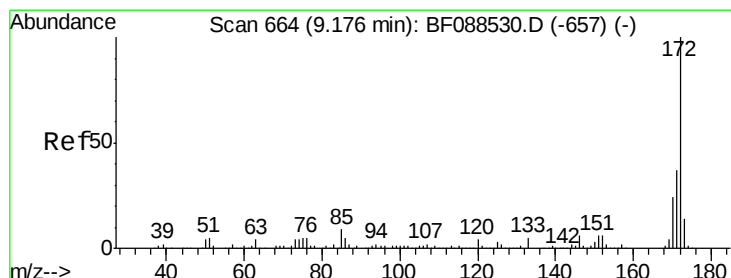
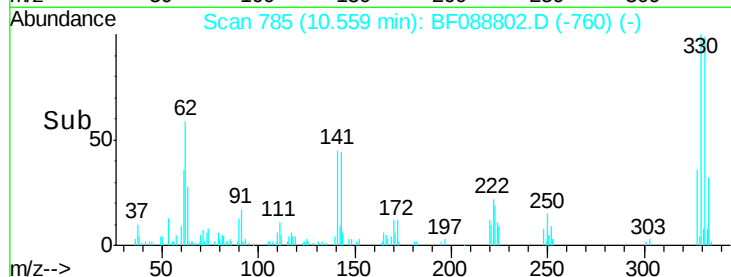
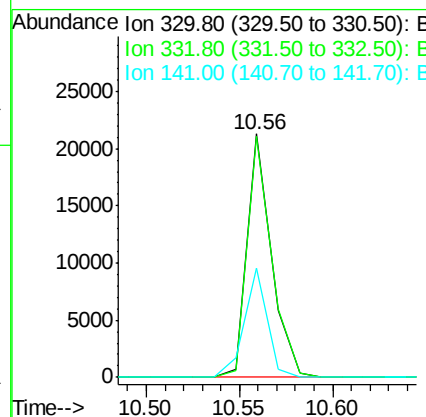
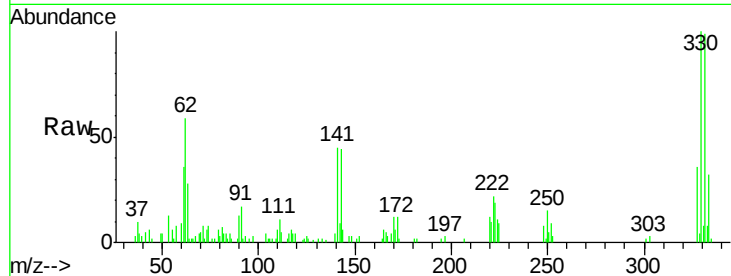
#41
 2,4,6-Tribromophenol
 Concen: 17.72 ng
 RT: 10.56 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

Instrument :
 BNA_F
 ClientSampled :
 SS-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	19463		
332	98.7	0.0	0.0	0.0
141	42.1	0.0	0.0	0.0

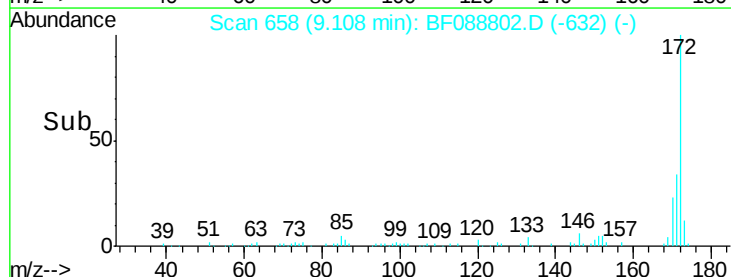
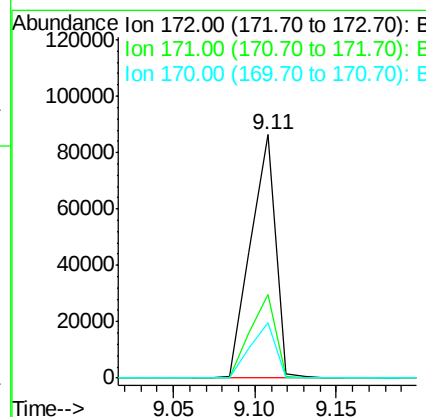
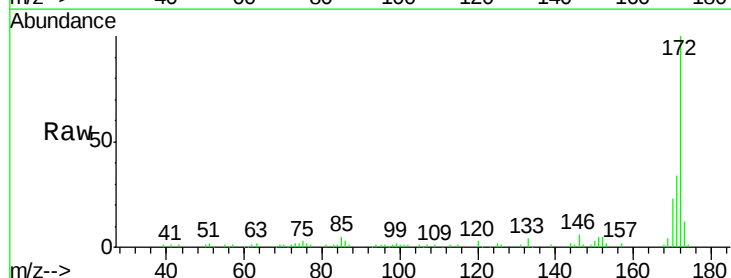
Manual Integrations

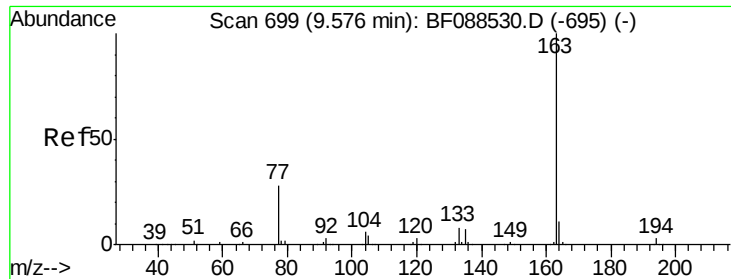
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#44
 2-Fluorobiphenyl
 Concen: 12.25 ng
 RT: 9.11 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	91712		
171	34.3	28.6	43.0	
170	22.7	19.2	28.8	





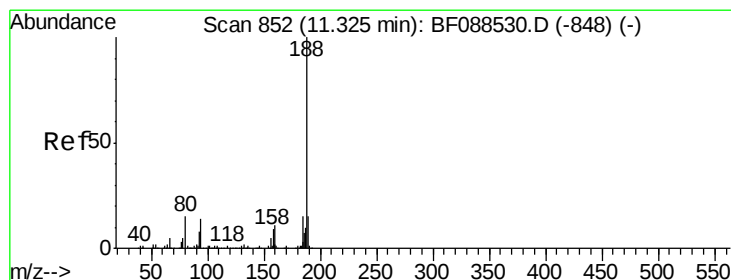
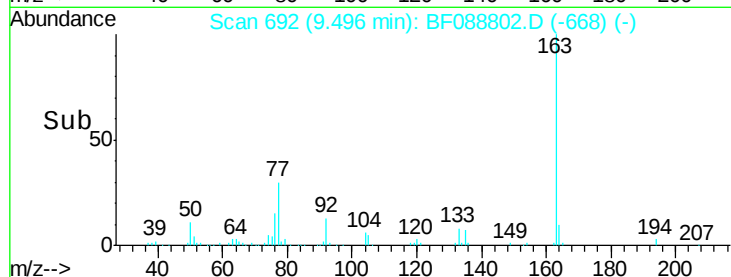
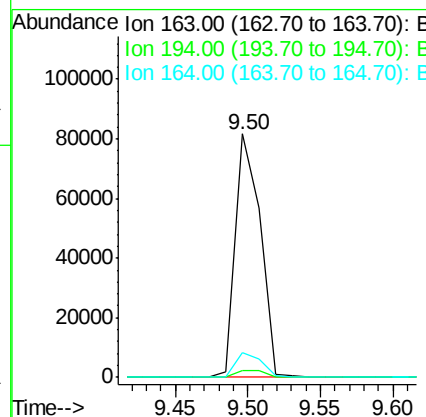
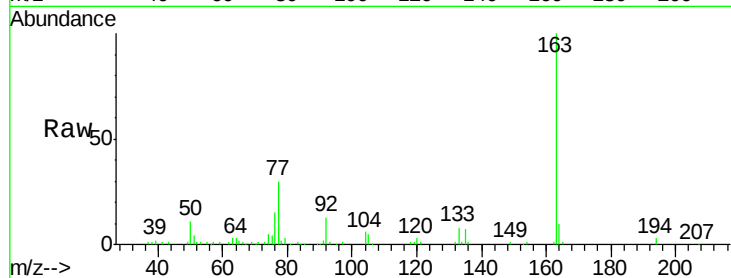
#49
Dimethylphthalate
Concen: 11.59 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.02 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	10.3	8.3	12.5

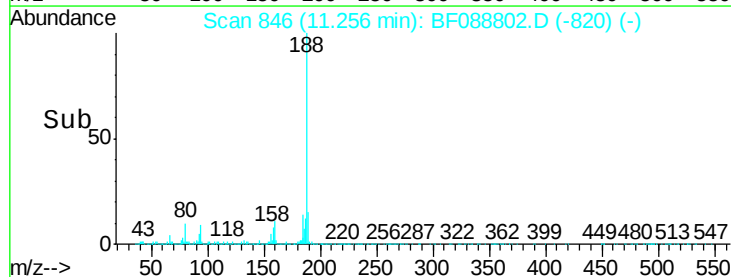
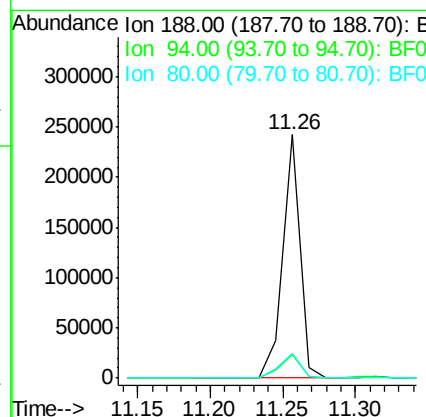
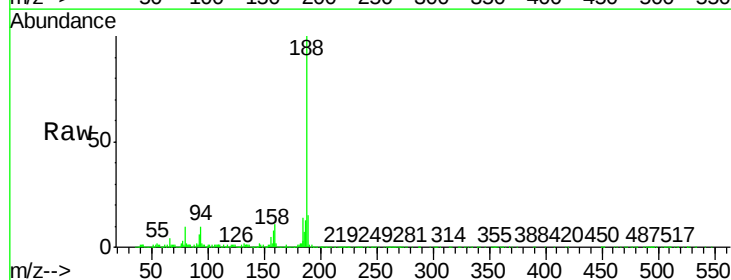
Manual Integrations

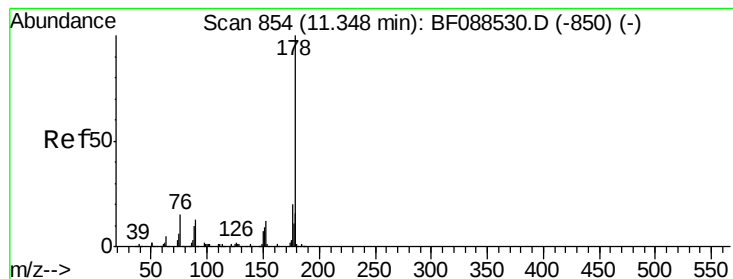
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. 0.00 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.0	13.6
80	10.0	10.0	15.0





#70

Phenanthrene

Concen: 2.04 ng

RT: 11.28 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

Tot Ion:178 Resp: 22572

Ion Ratio Lower Upper

178 100

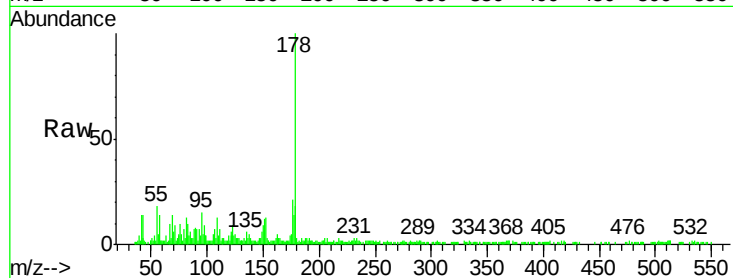
176 20.9 15.8 23.6

179 18.2 13.0 19.4

Manual Integrations

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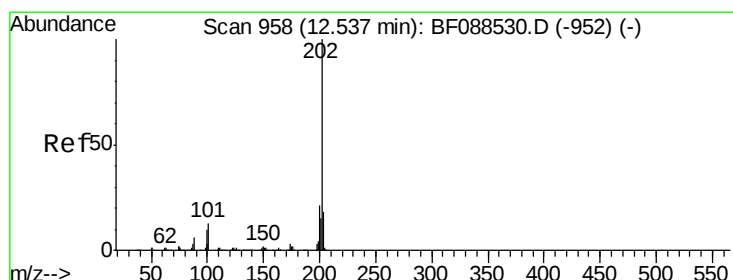
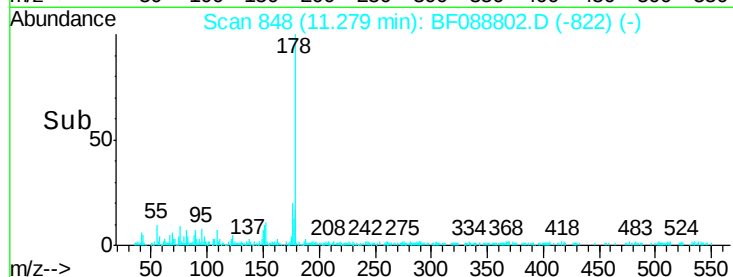
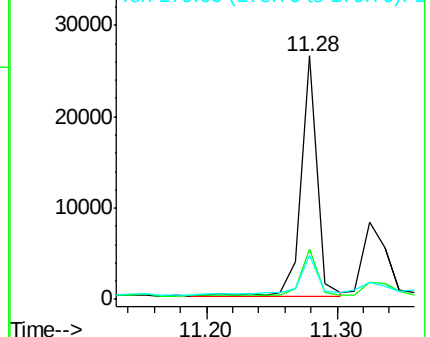
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.54 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

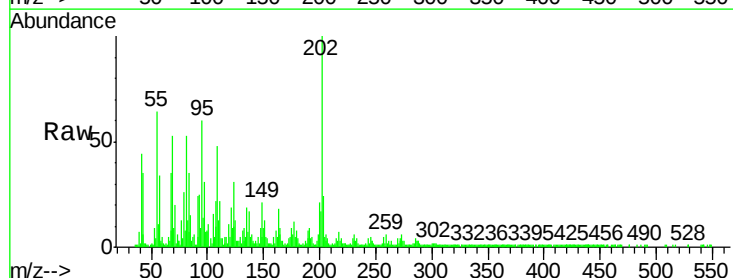
Tgt Ion:202 Resp: 50873

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.1

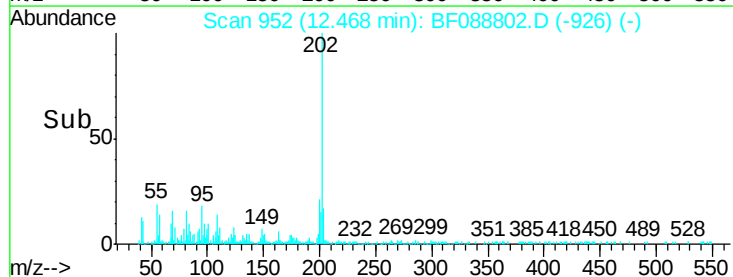
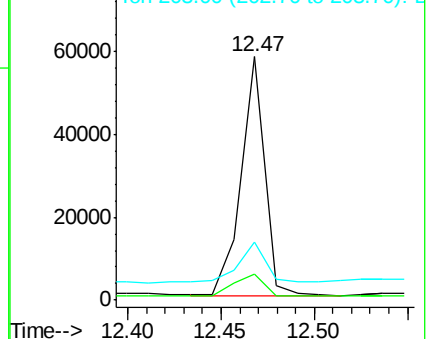
203 23.8 0.0 38.1

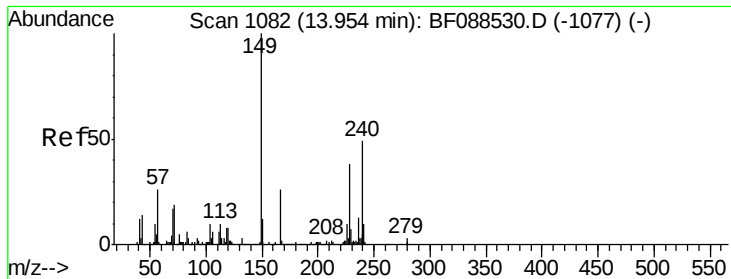


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.90 min Scan# 1077

Delta R.T. 0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

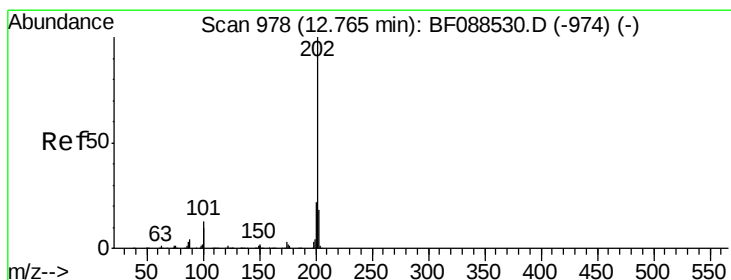
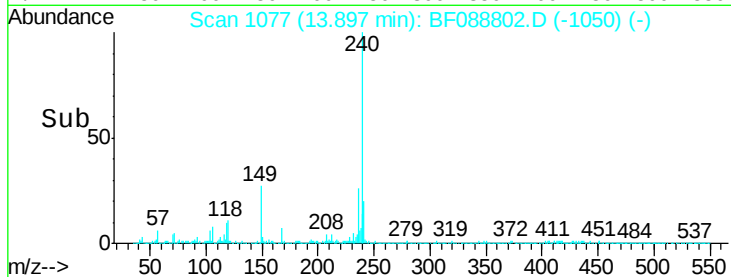
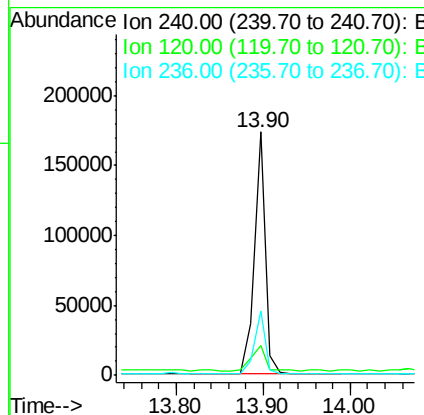
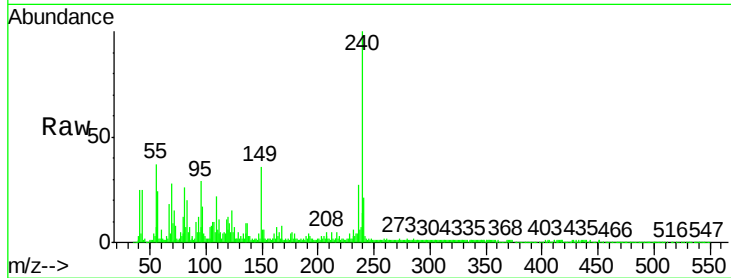
SS-10

Tot Ion:240 Resp: 157414
 Ion Ratio Lower Upper
 240 100
 120 12.4 6.8 10.2#
 236 26.7 20.2 30.2

Manual Integrations

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#77

Pyrene

Concen: 3.44 ng

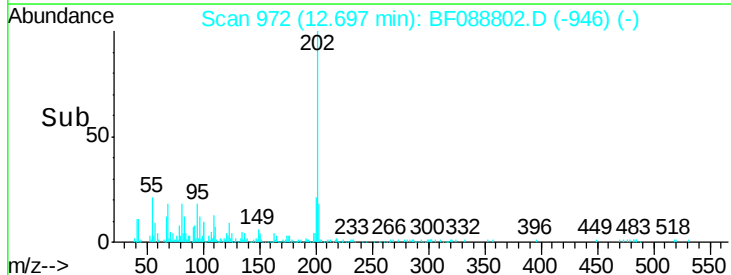
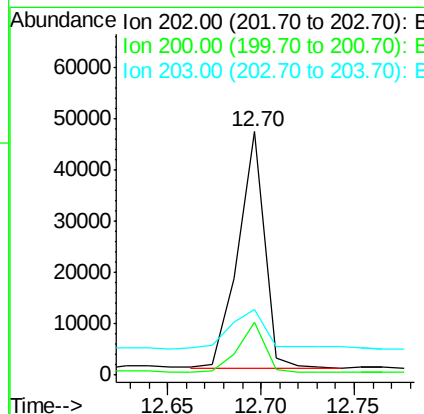
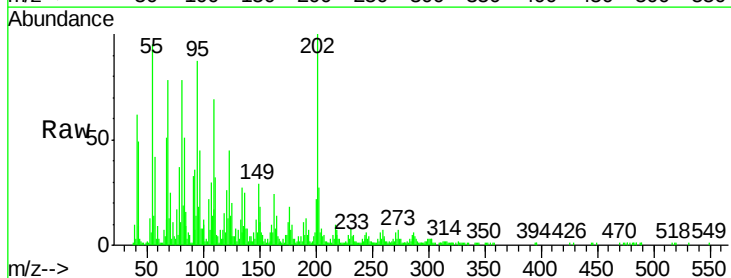
RT: 12.70 min Scan# 972

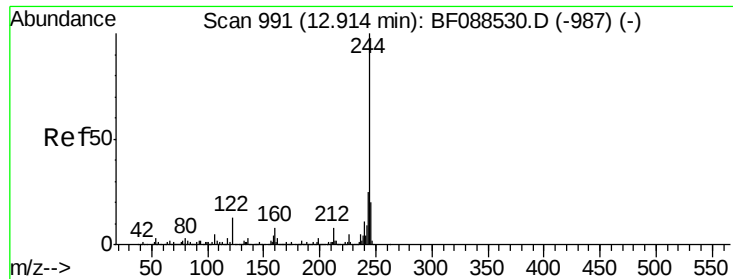
Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Tgt Ion:202 Resp: 45938
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.4 26.2
 203 27.1 14.5 21.7#





#78

Terphenyl-d14

Concen: 15.11 ng

RT: 12.85 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

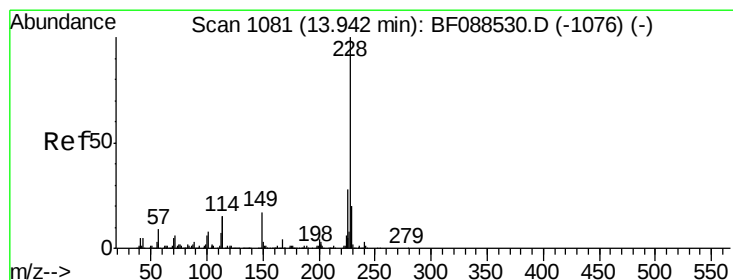
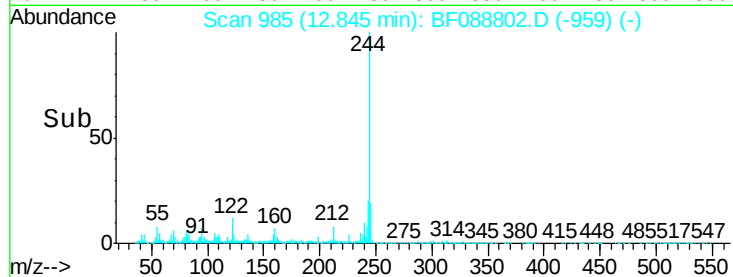
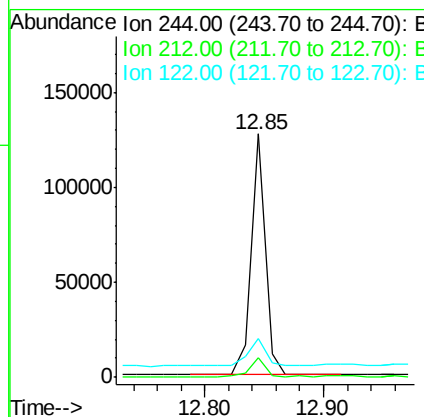
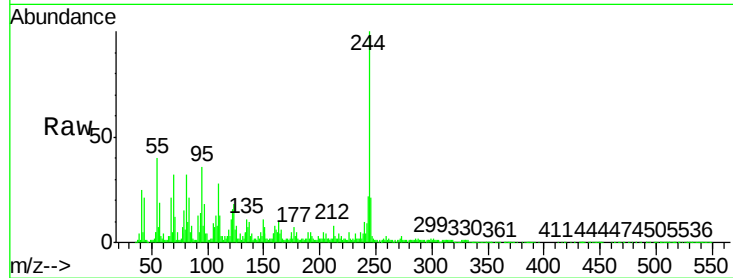
SS-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	15.8	11.2	16.8

Manual Integrations

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#80

Benzo(a)anthracene

Concen: 2.08 ng

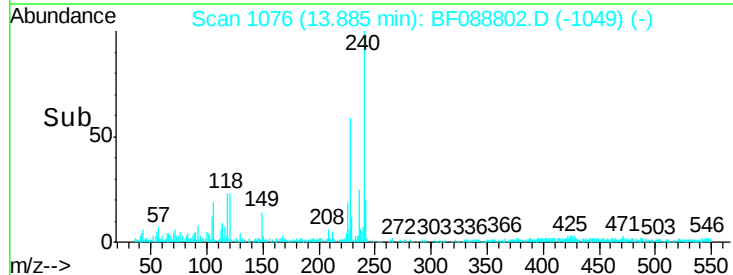
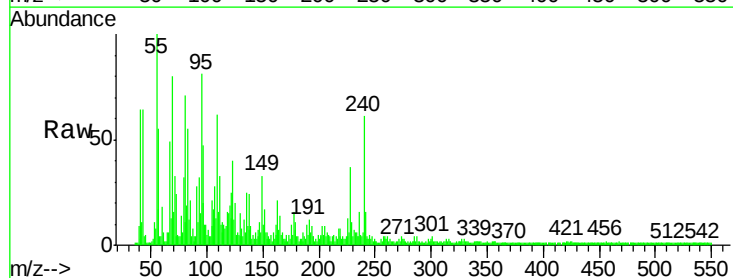
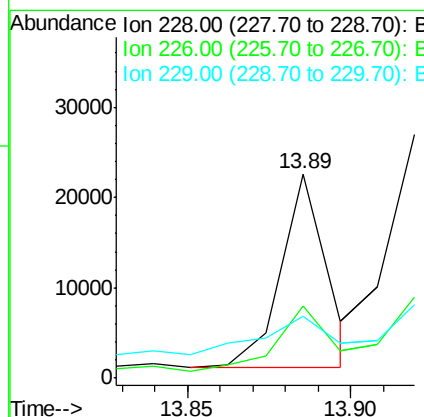
RT: 13.89 min Scan# 1076

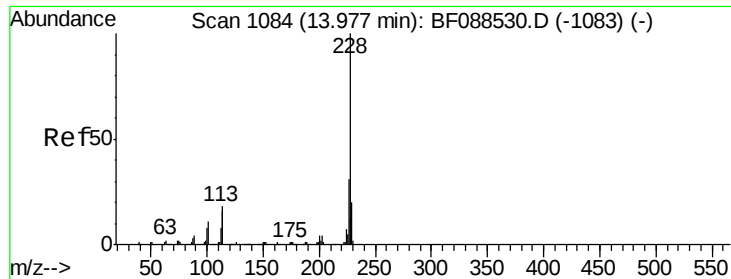
Delta R.T. 0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.3	33.5#
229	30.0	16.0	24.0#





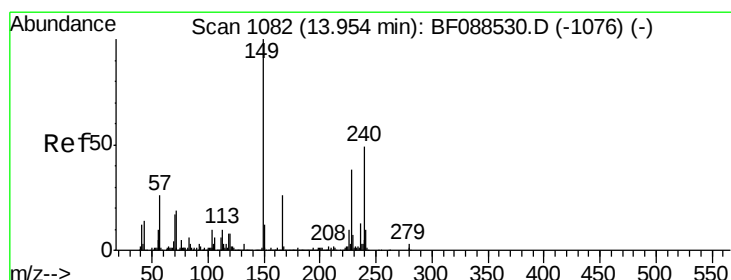
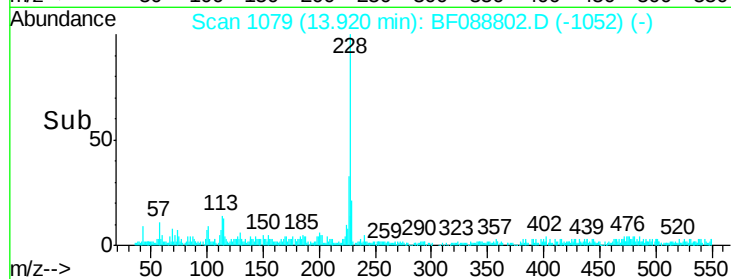
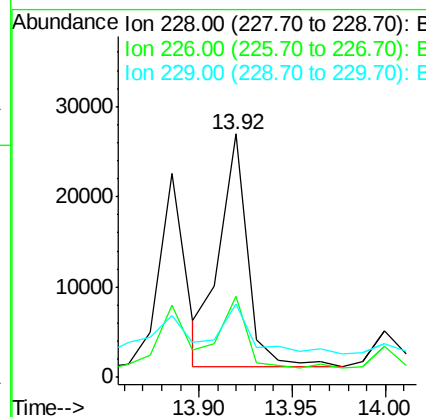
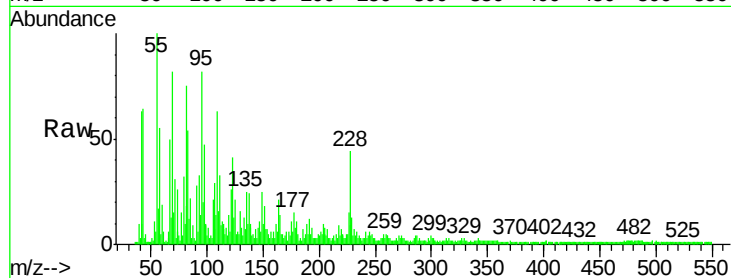
#82
Chrysene
Concen: 2.71 ng
RT: 13.92 min Scan# 1079
Delta R.T. 0.01 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.4	38.2
229	30.1	16.3	24.5

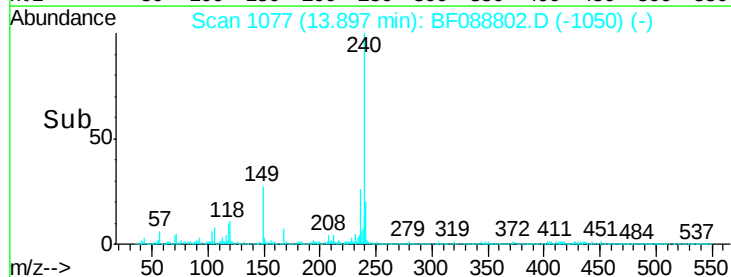
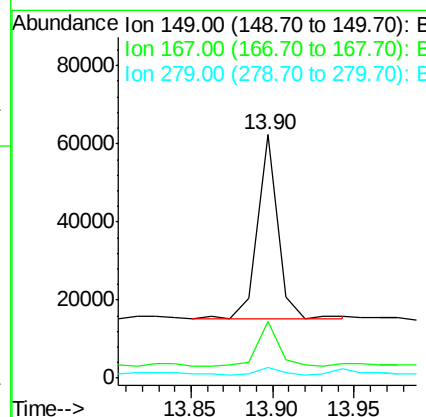
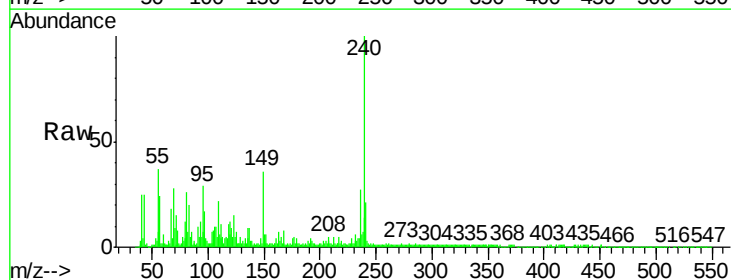
Manual Integrations

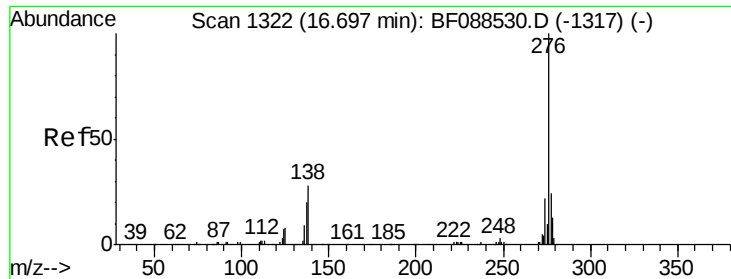
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#83
Bis(2-ethylhexyl)phthalate
Concen: 6.07 ng
RT: 13.90 min Scan# 1077
Delta R.T. 0.01 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.5	20.5	30.7
279	4.2	2.0	3.0





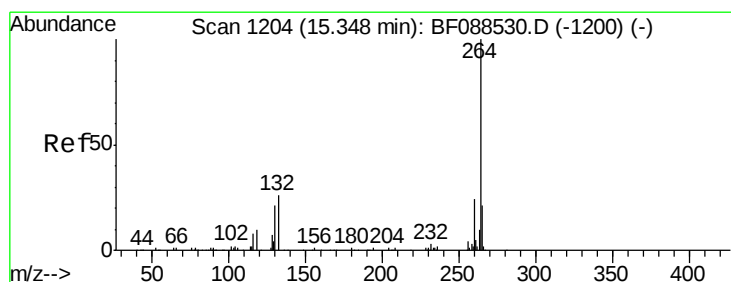
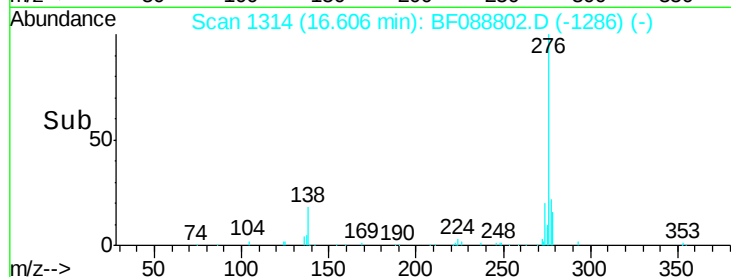
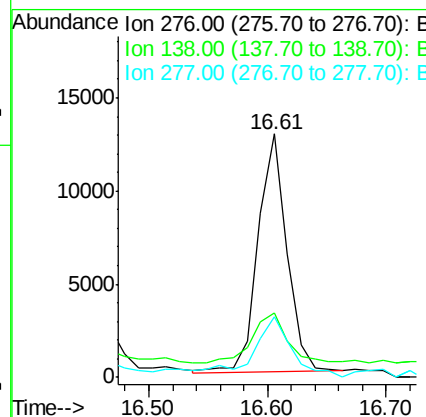
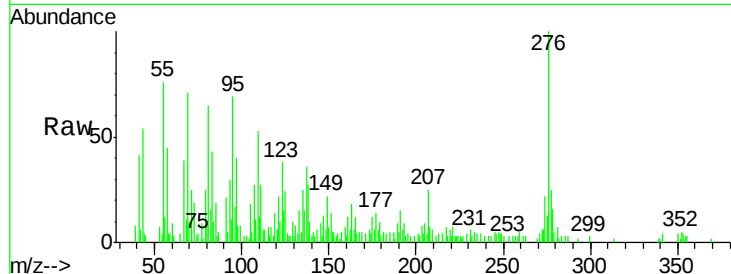
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.83 ng
RT: 16.61 min Scan# 1314
Delta R.T. 0.02 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	0.0	0.0#
277	34.2	0.0	0.0#

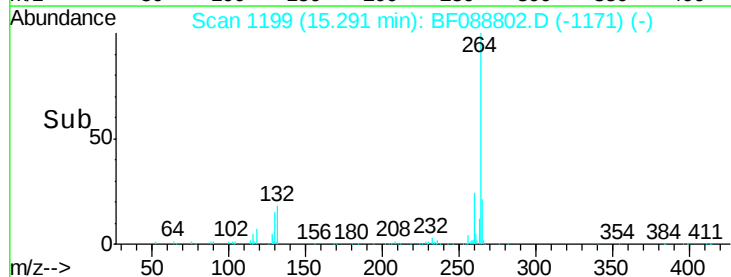
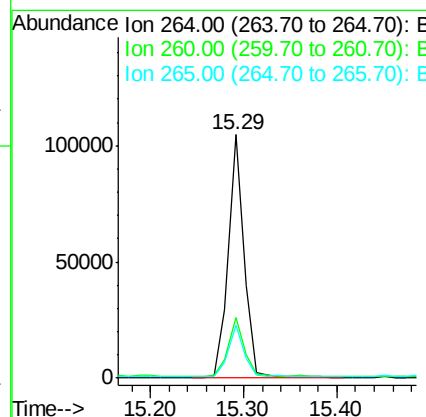
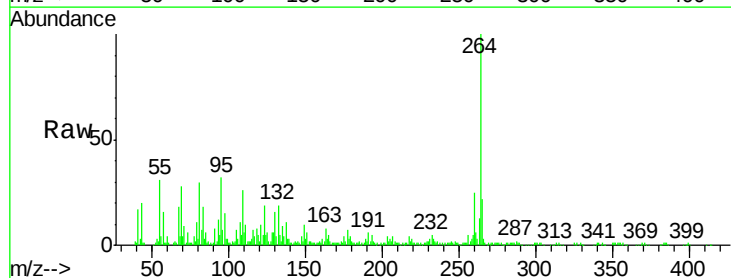
Manual Integrations

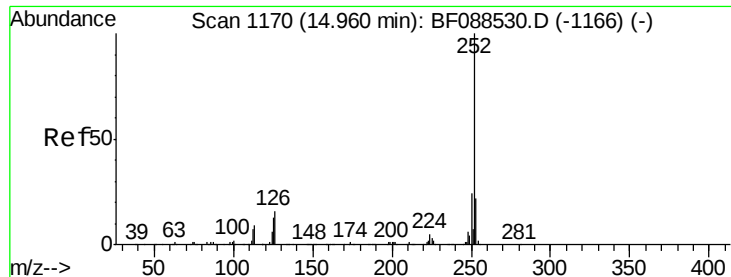
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1199
Delta R.T. 0.02 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.6	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 5.22 ng

RT: 14.90 min Scan# 1165

Delta R.T. 0.02 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

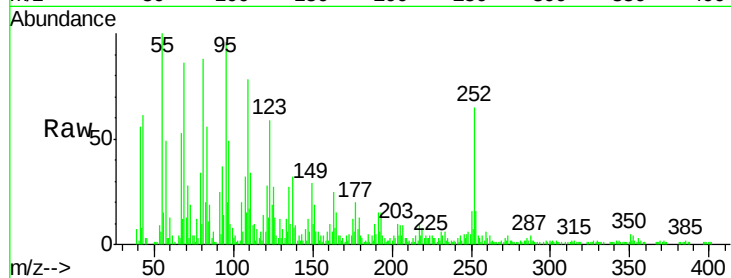
SS-10

Tot Ion:	252	Resp:	41009
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.2
125	41.5	7.1	10.7#

Manual Integrations

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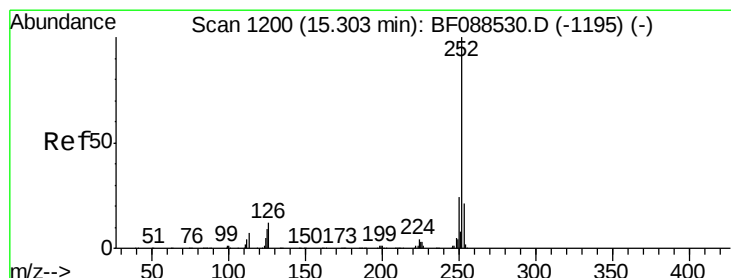
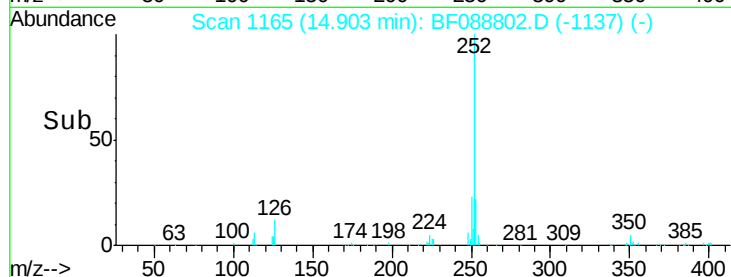
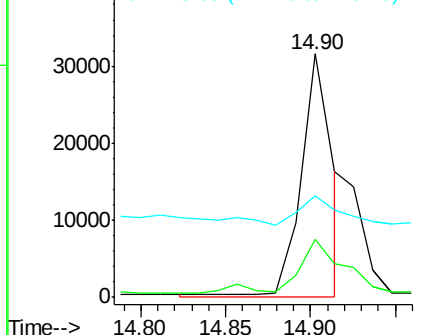
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.82 ng

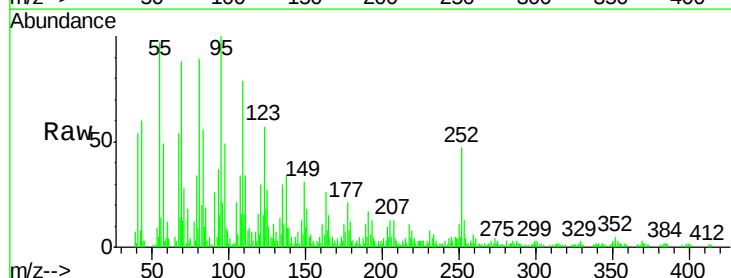
RT: 15.23 min Scan# 1194

Delta R.T. 0.02 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

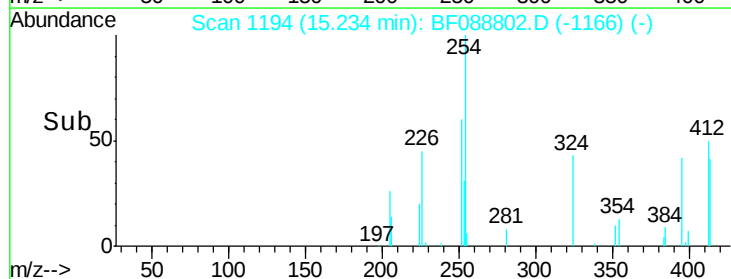
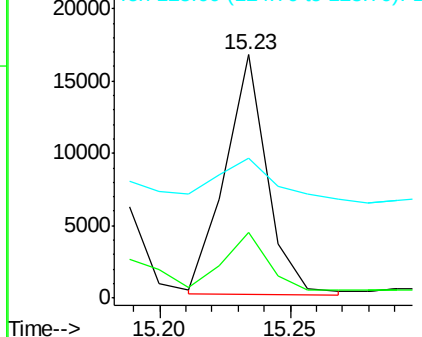
Tgt Ion:	252	Resp:	18728
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.9	26.9#
125	57.3	12.5	18.7#

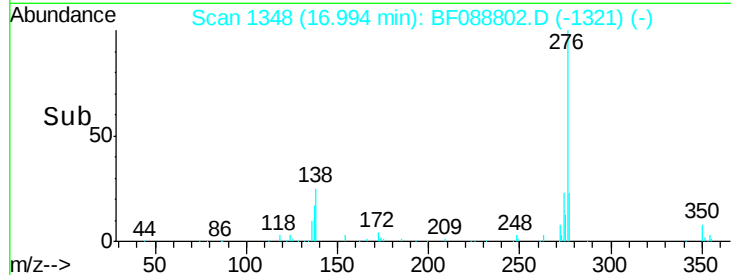
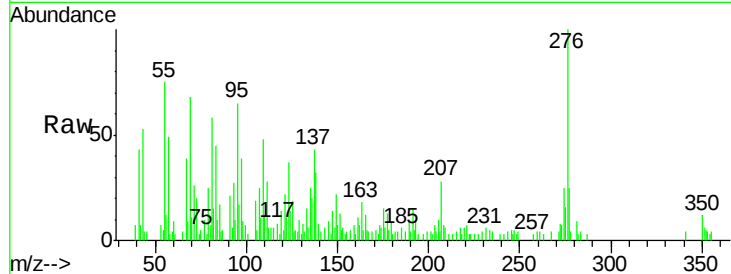
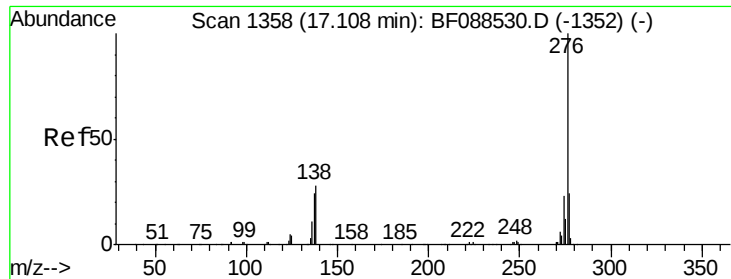


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 3.99 ng
 RT: 16.99 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	31.7	21.4	32.2

Manual Integrations

APPROVED
 SOHIL
 7/8/2016 7:04:22 AM

