

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
 Data File : BF088932.D
 Acq On : 12 Jul 2016 21:28
 Operator : UM/SJ
 Sample : H3889-10 4X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Manual Integrations

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 7/13/2016 9:25:39 AM

Quant Time: Jul 13 07:22:51 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	74687	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	293882	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	114955	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	170089	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	152052	20.00	ng	0.00
86) Perylene-d12	15.23	264	139410	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	57844	11.61	ng	0.00
7) Phenol-d6	6.34	99	93807	14.57	ng	-0.01
23) Nitrobenzene-d5	7.27	82	53623	9.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	22974	21.52	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	115586	15.88	ng	-0.01
78) Terphenyl-d14	12.80	244	107297	15.72	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	102900	12.56	ng	99
70) Phenanthrene	11.23	178	19020	2.05	ng	97
74) Fluoranthene	12.42	202	45645	4.84	ng	92
77) Pyrene	12.65	202	43520	3.38	ng	# 90
80) Benzo(a)anthracene	13.84	228	20135m	2.06	ng	
82) Chrysene	13.87	228	26778m	2.76	ng	
83) Bis(2-ethylhexyl)phthalate	13.85	149	39624	6.04	ng	95
85) Indeno(1,2,3-cd)pyrene	16.53	276	22661	3.04	ng	# 100
87) Benzo(b)fluoranthene	14.86	252	46625m	5.33	ng	
91) Benzo(g,h,i)perylene	16.90	276	23656	3.70	ng	95

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

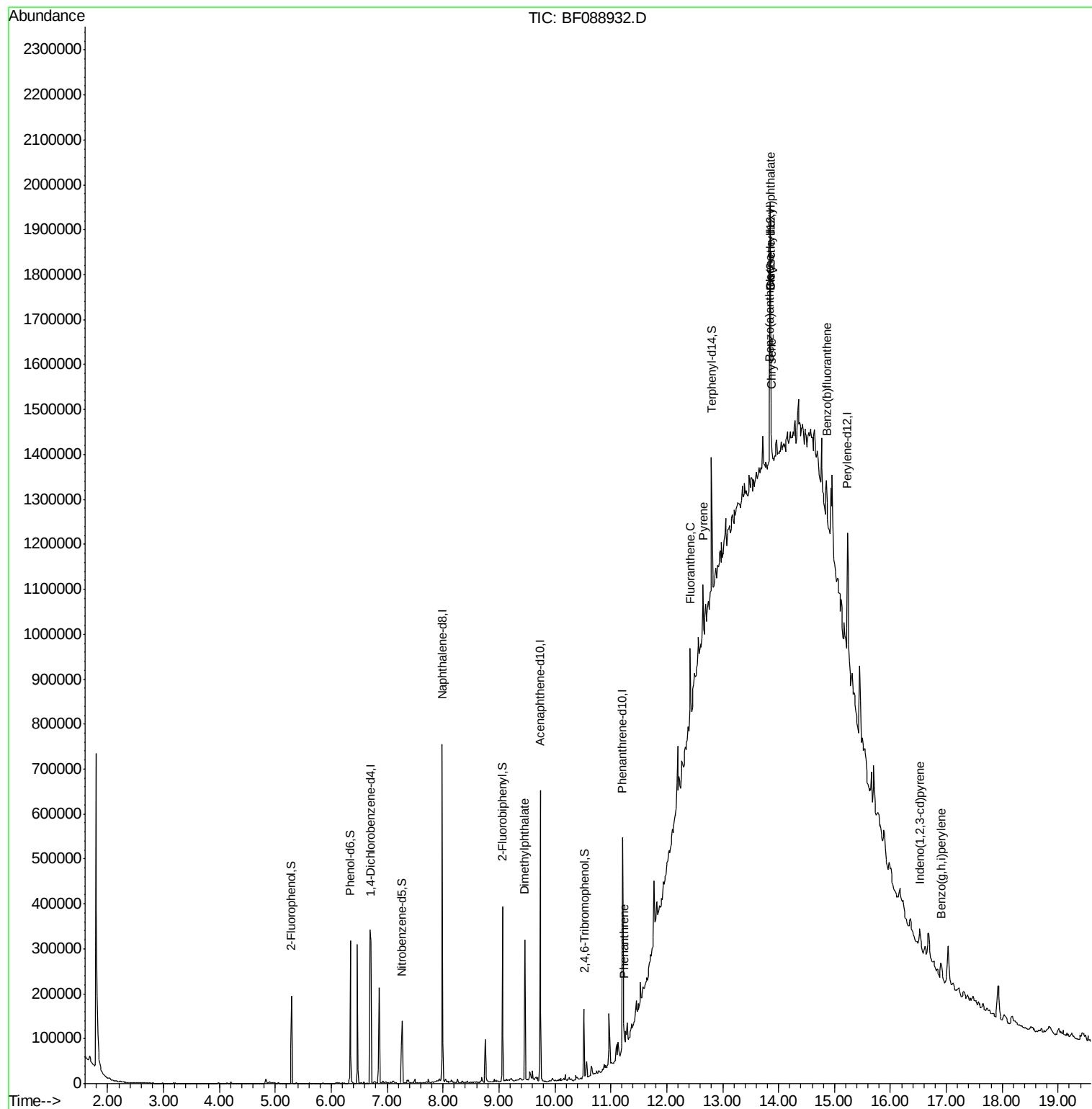
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088932.D
Acq On : 12 Jul 2016 21:28
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Misc :
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Manual Integrations

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#1

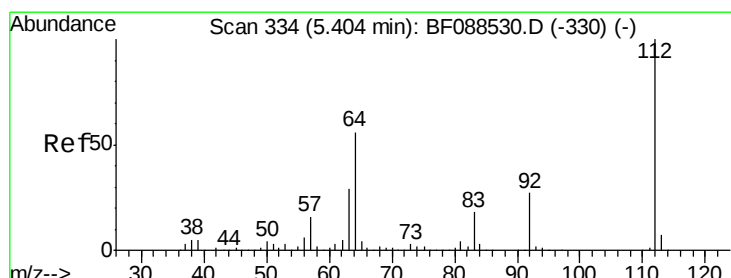
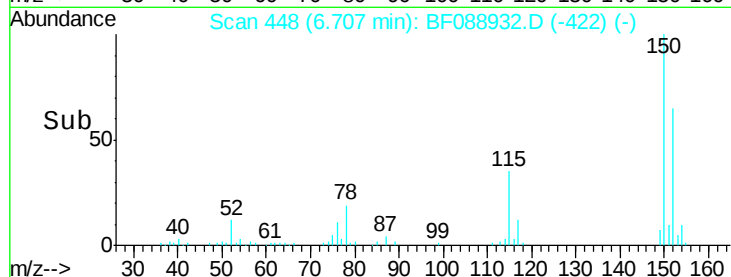
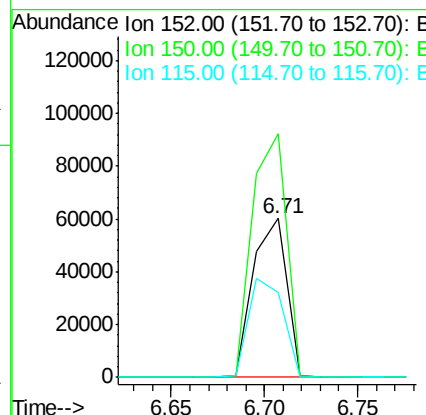
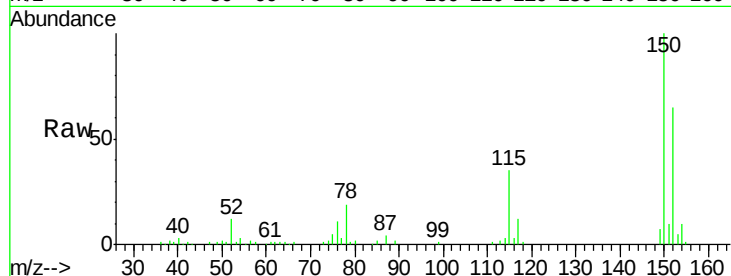
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.8	185.6
115	53.8	39.6	59.4

Manual Integrations

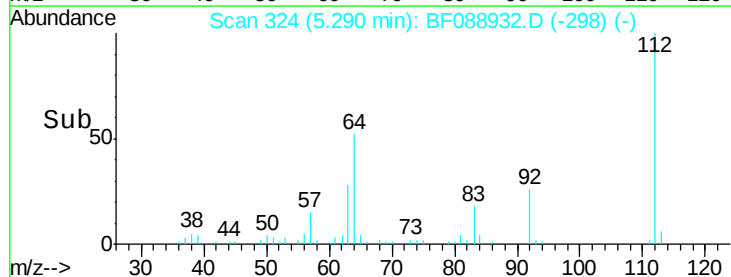
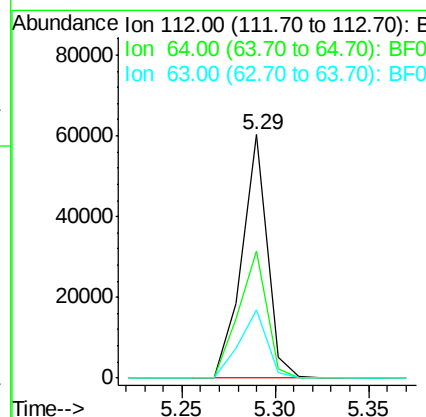
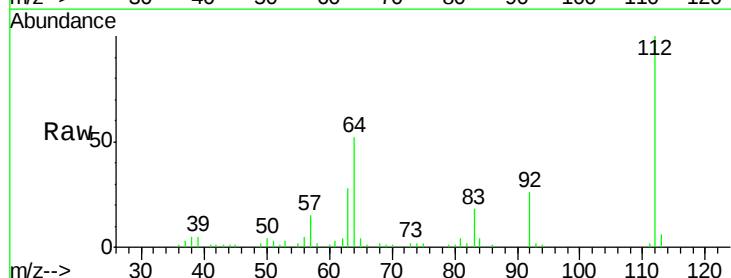
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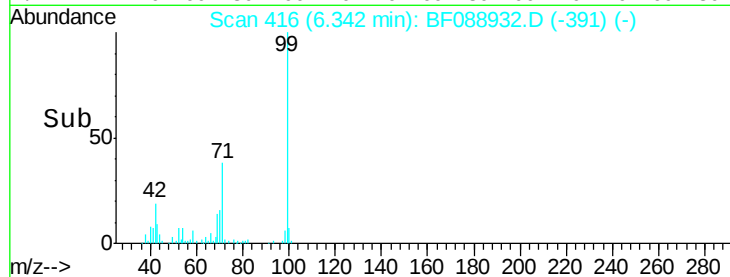
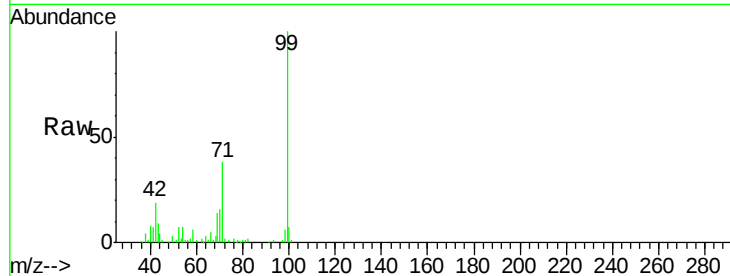


#5

2-Fluorophenol
Concen: 11.61 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.00 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.2	63.2
63	27.8	21.8	32.8





#7

Phenol-d6

Concen: 14.57 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

Instrument :

BNA_F

ClientSampled :

SS-10

Tot Ion: 99 Resp: 93807

Ion Ratio Lower Upper

99 100

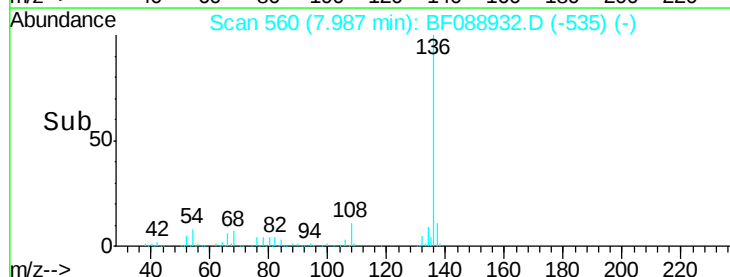
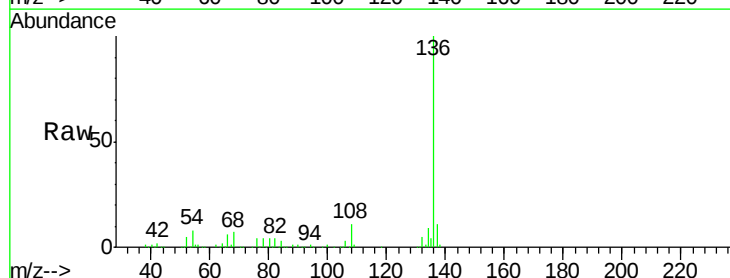
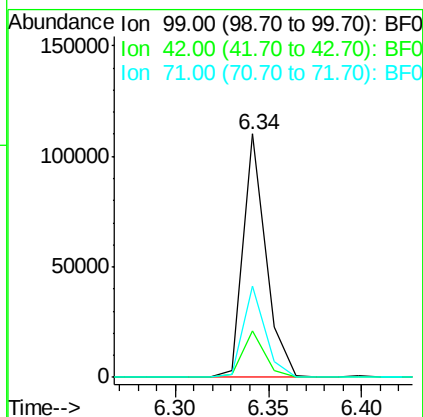
42 19.0 12.2 18.2#

71 37.7 23.4 35.0#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

Tgt Ion: 136 Resp: 293882

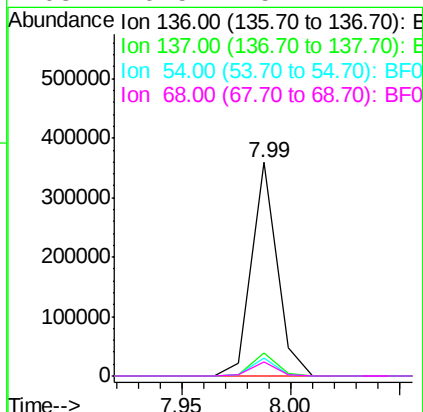
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.3 6.6 10.0

68 6.5 5.1 7.7





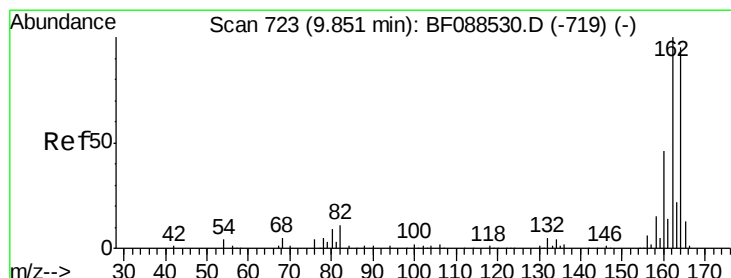
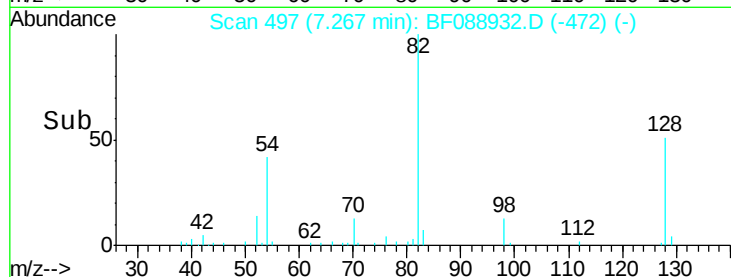
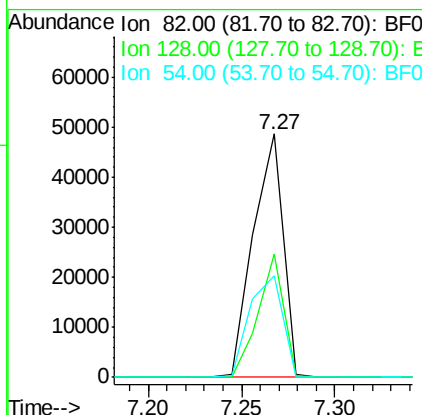
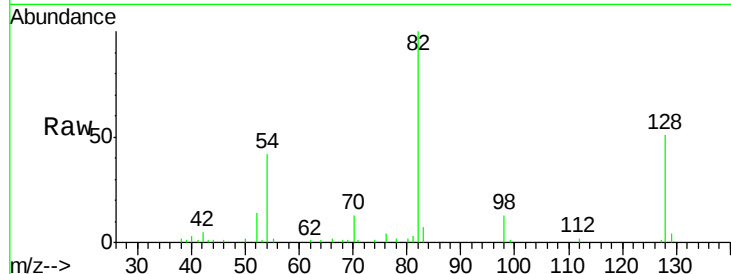
#23
 Nitrobenzene-d5
 Concen: 9.56 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF088932.D
 Acq: 12 Jul 2016 21:28

Instrument :
 BNA_F
 ClientSampled :
 SS-10

Tot Ion	82	Resp	53623
Ion Ratio	100	Lower	Upper
82	100		
128	50.6	35.9	53.9
54	41.8	40.9	61.3

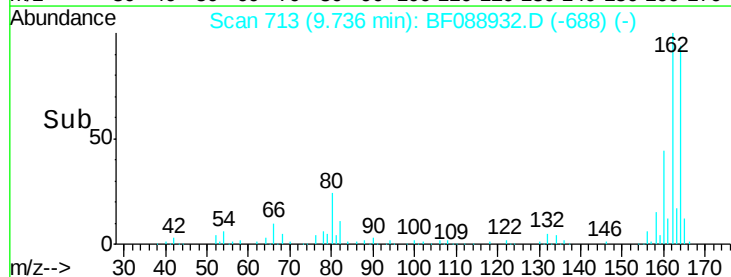
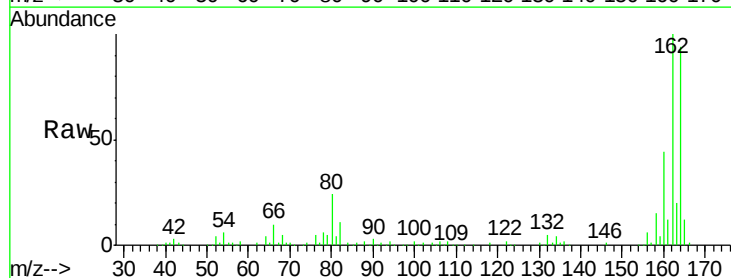
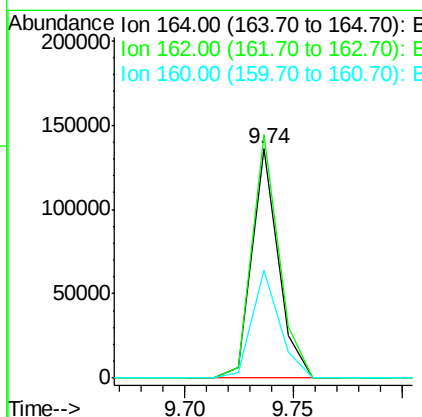
Manual Integrations

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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF088932.D
 Acq: 12 Jul 2016 21:28

Tgt Ion	164	Resp	114955
Ion Ratio	100	Lower	Upper
164	100		
162	106.2	85.4	128.2
160	47.2	39.5	59.3





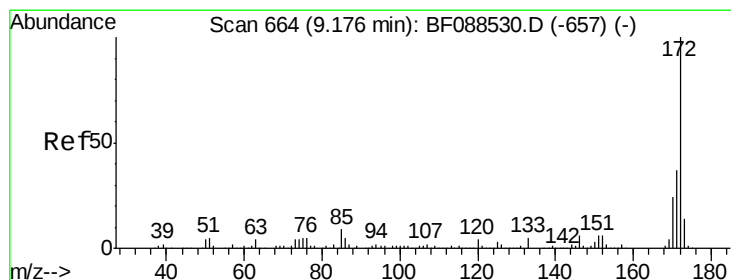
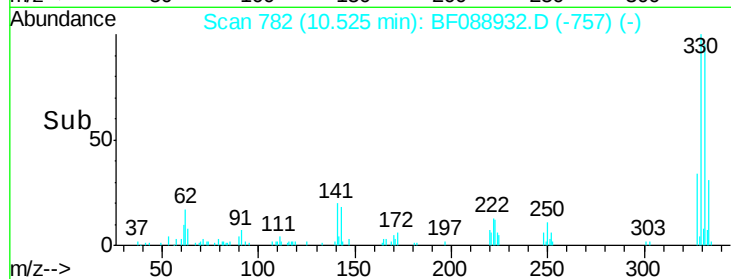
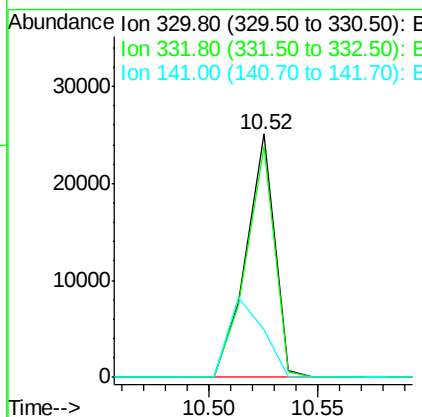
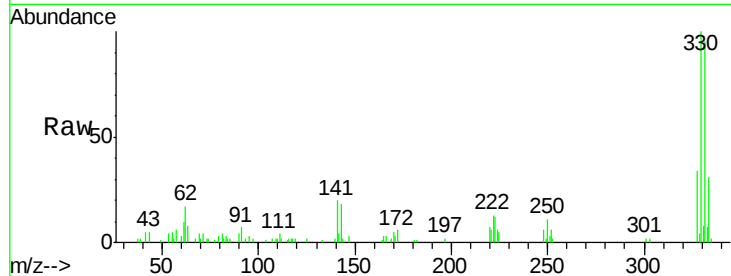
#41
 2,4,6-Tribromophenol
 Concen: 21.52 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088932.D
 Acq: 12 Jul 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	0.0	0.0#
141	39.4	0.0	0.0#

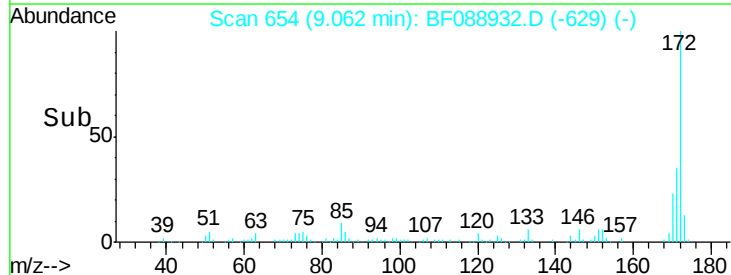
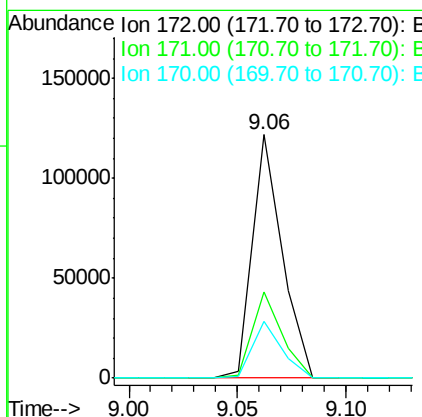
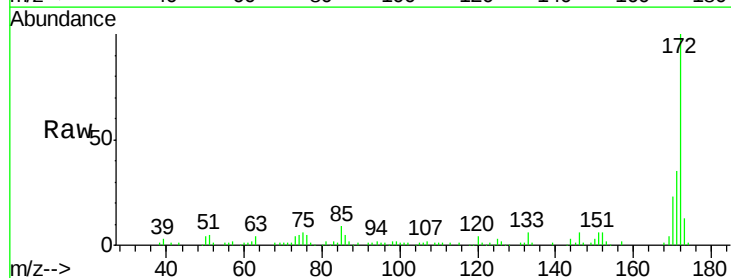
Manual Integrations

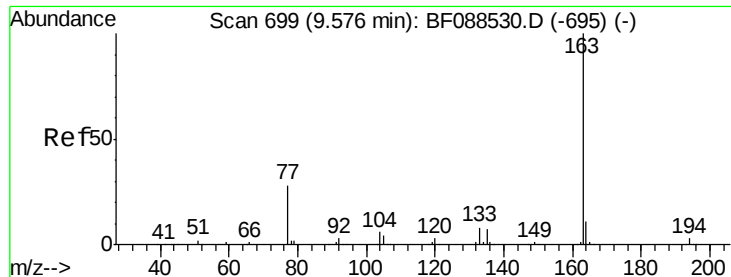
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#44
 2-Fluorobiphenyl
 Concen: 15.88 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088932.D
 Acq: 12 Jul 2016 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.4	19.2	28.8





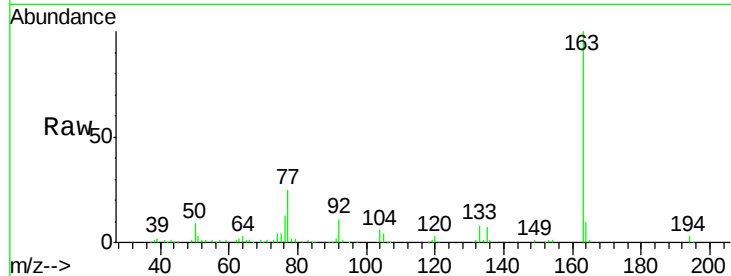
#49
Dimethylphthalate
Concen: 12.56 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Instrument :
BNA_F
ClientSampleId :
SS-10

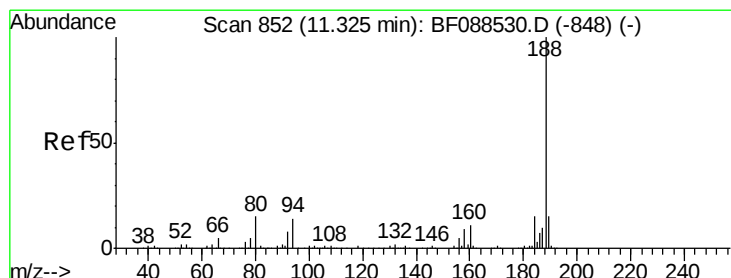
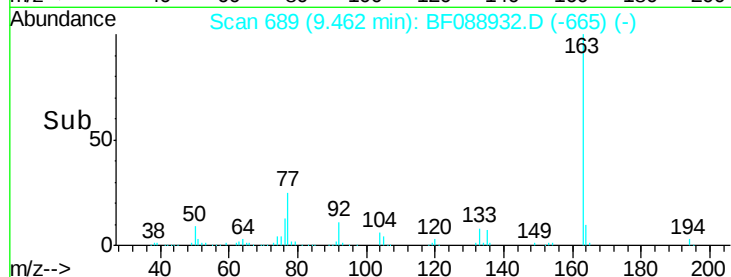
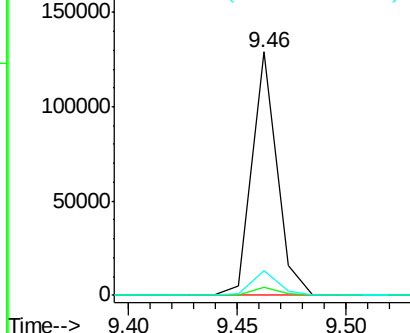
Tot Ion	Ratio	Resp	Lower	Upper
163	100	102900		
194	3.1		2.8	4.2
164	10.2		8.3	12.5

Manual Integrations

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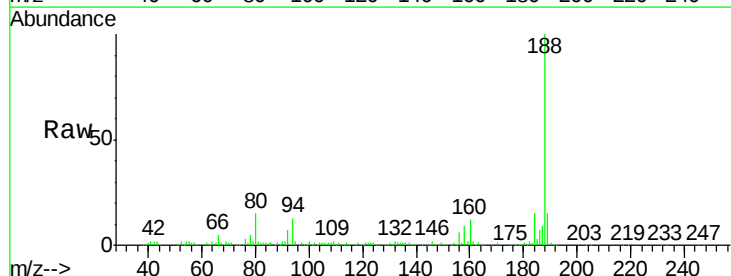


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

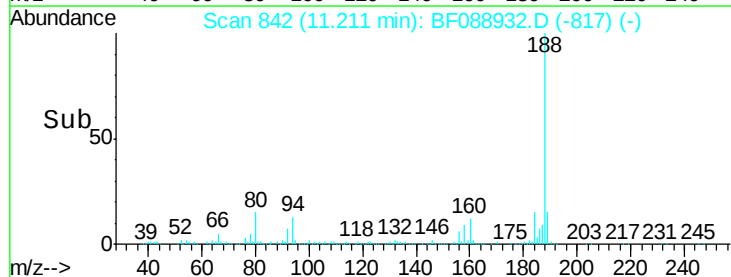
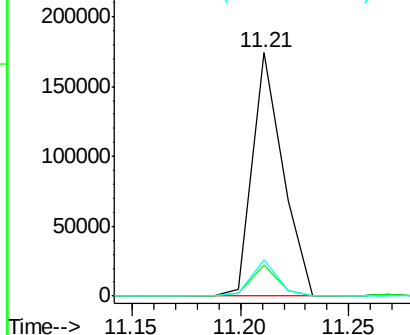


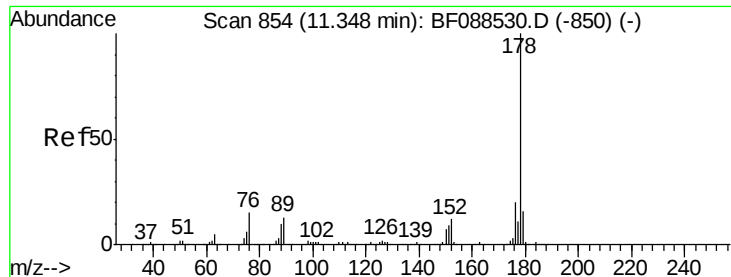
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	170089		
94	12.8		9.0	13.6
80	14.7		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: 2.05 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

Instrument :

BNA_F

ClientSampled :

SS-10

Tot Ion:178 Resp: 19020

Ion Ratio Lower Upper

178 100

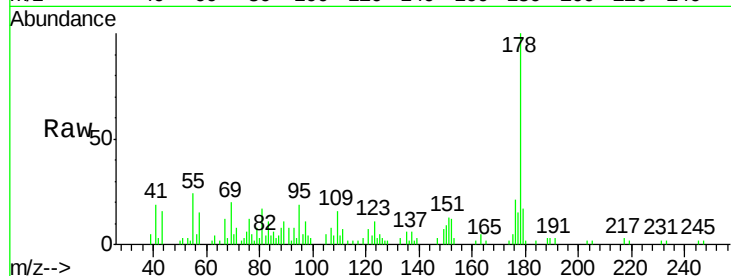
176 21.4 15.8 23.6

179 16.8 13.0 19.4

Manual Integrations

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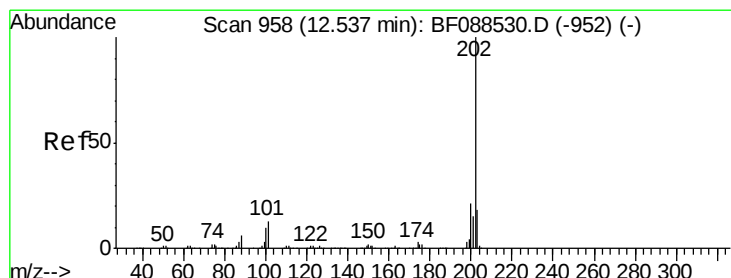
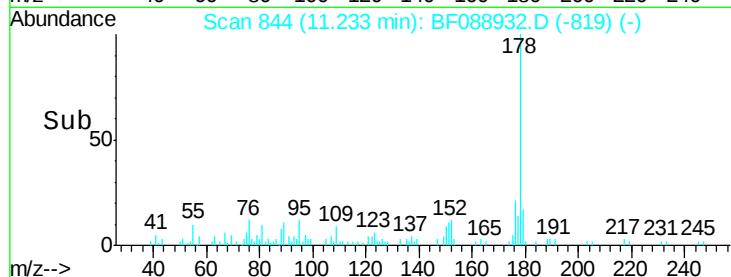
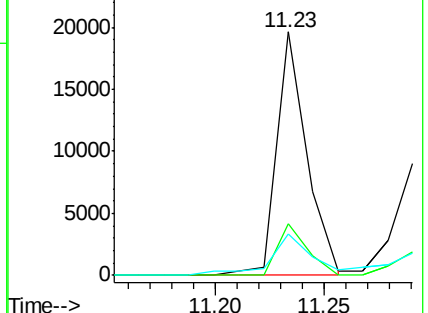
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.84 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

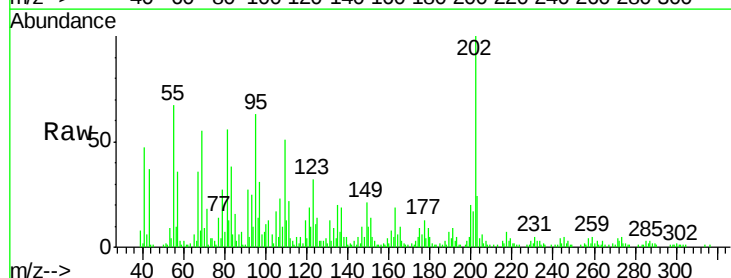
Tgt Ion:202 Resp: 45645

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.1

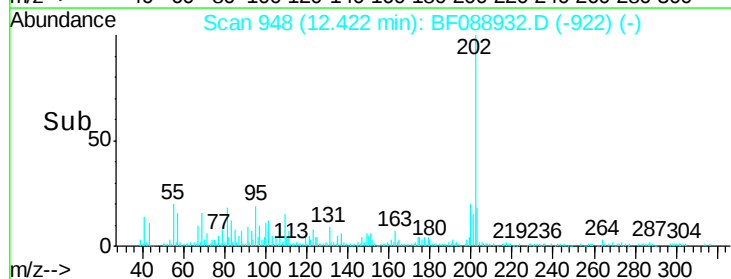
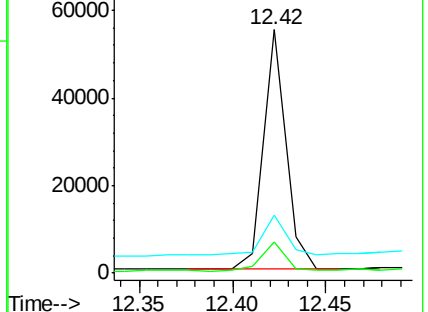
203 24.0 0.0 38.1

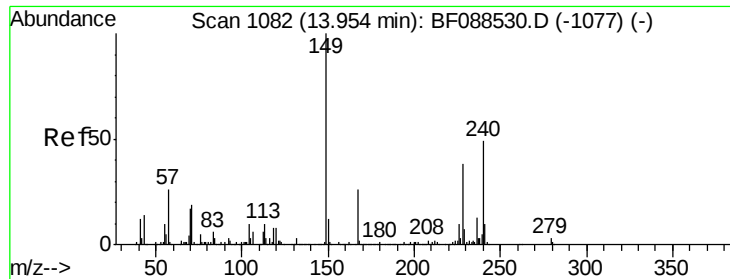


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

Instrument :

BNA_F

ClientSampleId :

SS-10

Tot Ion:240 Resp: 152052

Ion Ratio Lower Upper

240 100

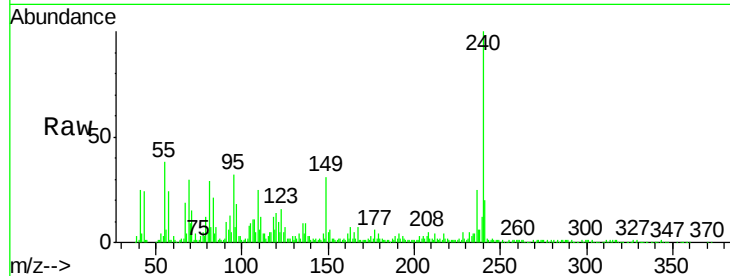
120 13.9 6.8 10.2#

236 25.4 20.2 30.2

Manual Integrations

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7/13/2016 9:25:39 AM

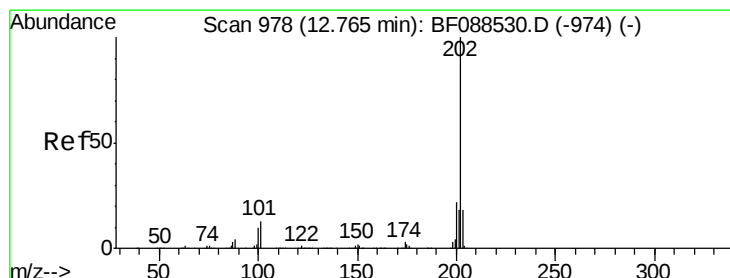
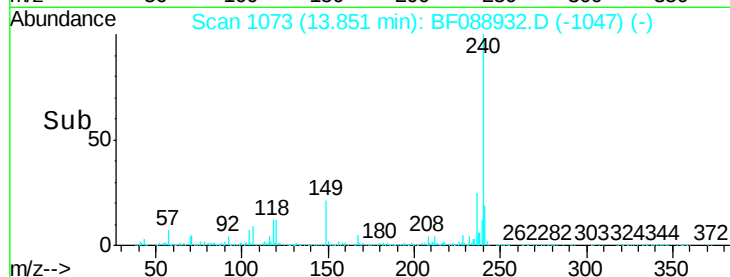
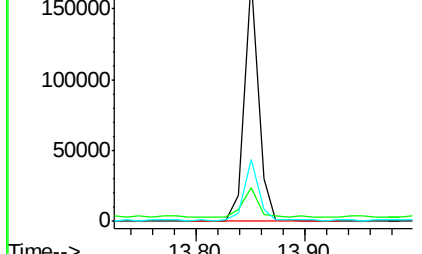


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.85



#77

Pyrene

Concen: 3.38 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

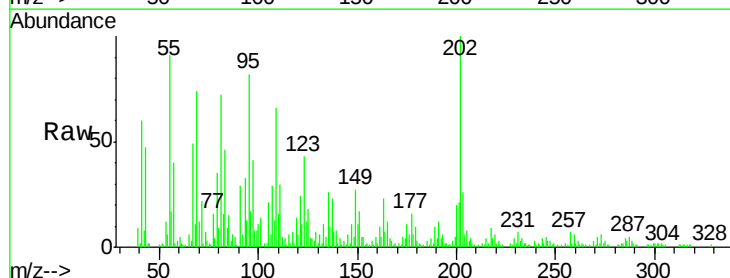
Tgt Ion:202 Resp: 43520

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

203 26.4 14.5 21.7#

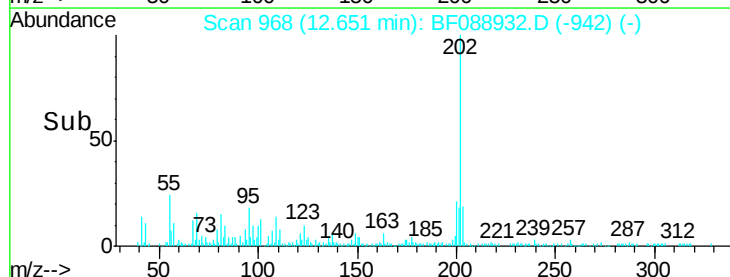
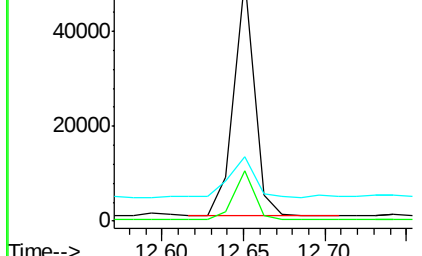


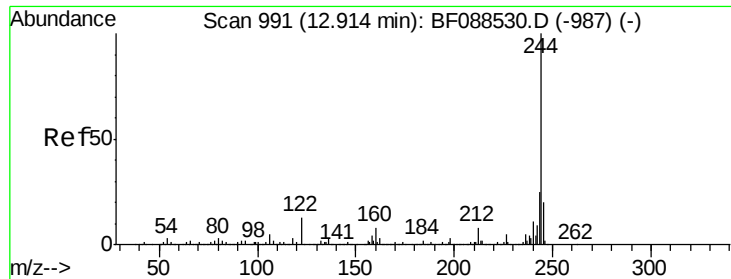
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.65





#78

Terphenyl-d14

Concen: 15.72 ng

RT: 12.80 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

Instrument :

BNA_F

ClientSampled :

SS-10

Tot Ion:244 Resp: 107297

Ion Ratio Lower Upper

244 100

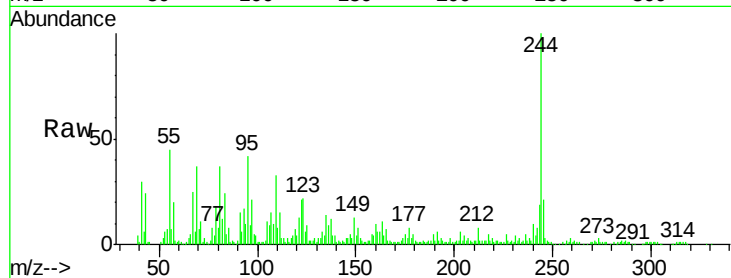
212 7.9 6.0 9.0

122 20.9 11.2 16.8#

Manual Integrations

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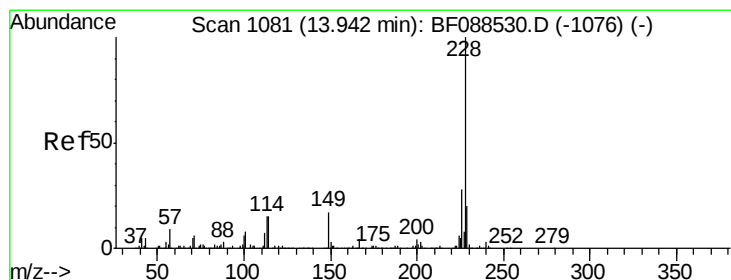
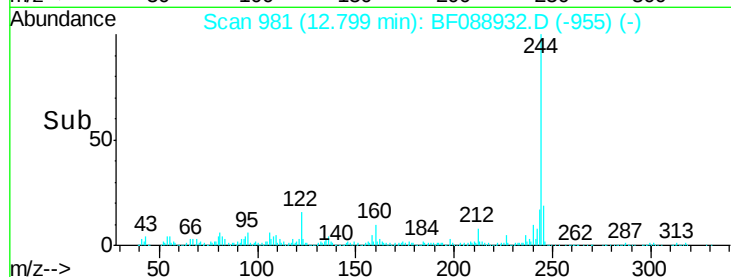
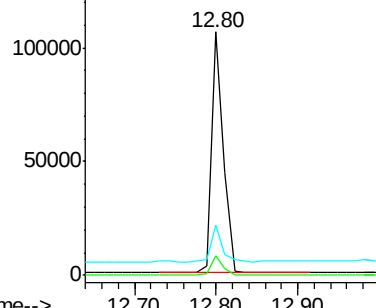
7/13/2016 9:25:39 AM



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



#80

Benzo(a)anthracene

Concen: 2.06 ng m

RT: 13.84 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

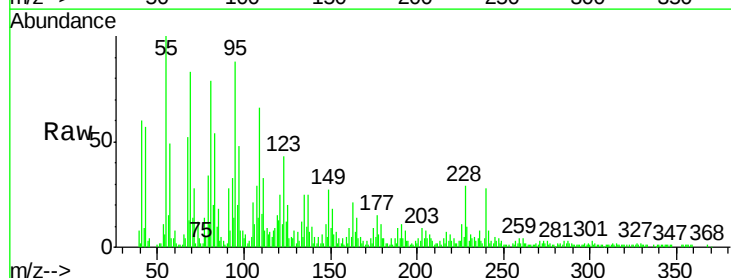
Tgt Ion:228 Resp: 20135

Ion Ratio Lower Upper

228 100

226 37.1 22.3 33.5#

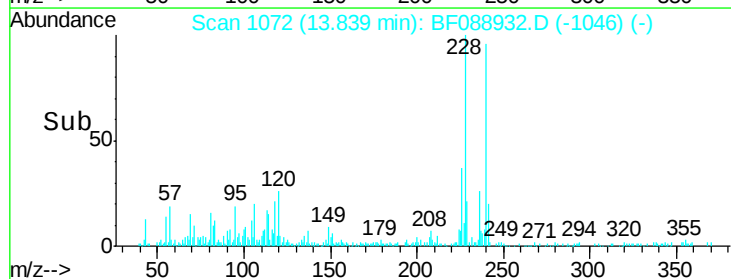
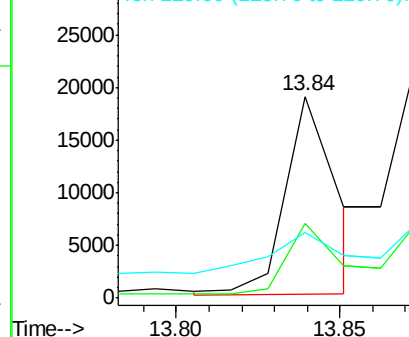
229 32.7 16.0 24.0#

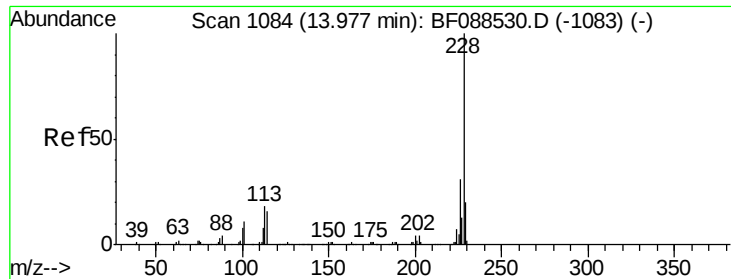


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





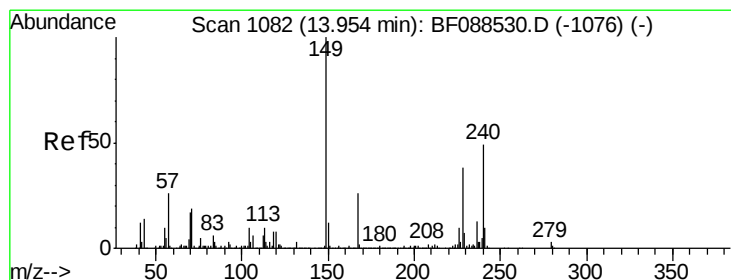
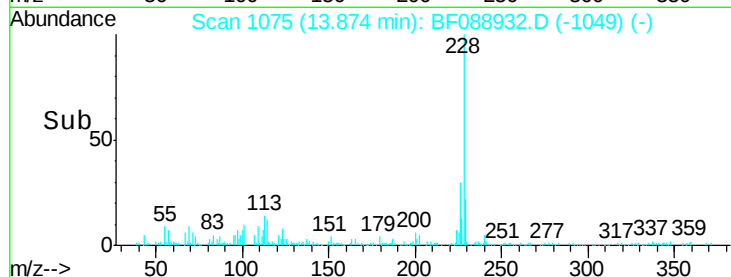
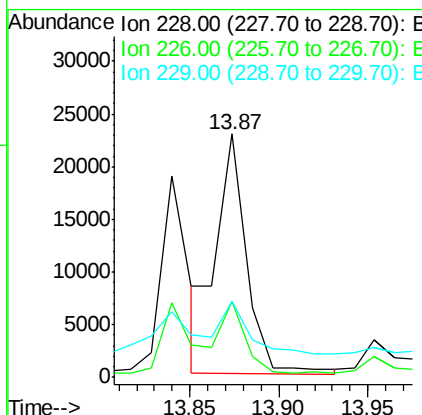
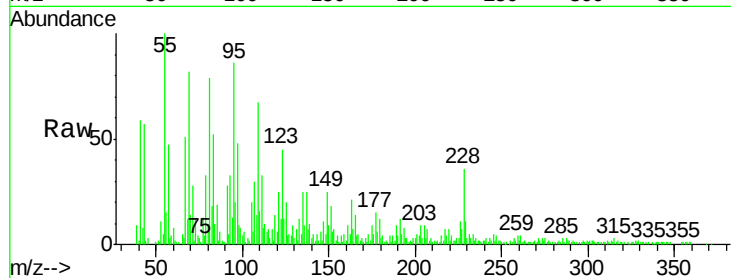
#82
Chrysene
Concen: 2.76 ng/ml
RT: 13.87 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion:	228	Resp:	26778
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.4	38.2
229	31.3	16.3	24.5

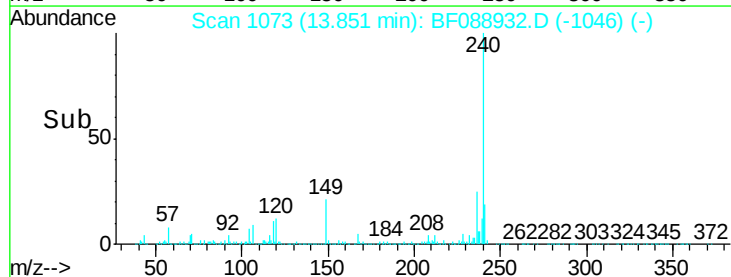
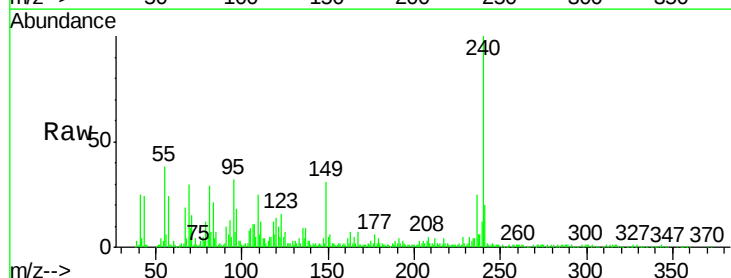
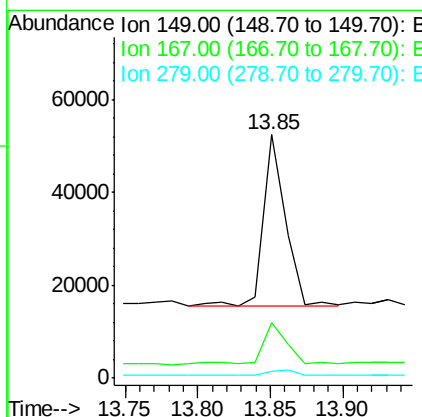
Manual Integrations

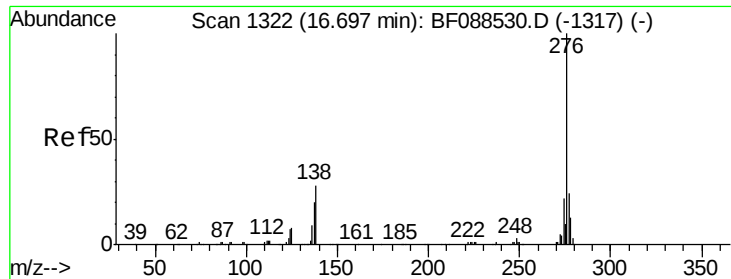
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SOHIL
7/13/2016 9:25:39 AM



#83
Bis(2-ethylhexyl)phthalate
Concen: 6.04 ng
RT: 13.85 min Scan# 1073
Delta R.T. 0.01 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Tgt Ion:	149	Resp:	39624
Ion Ratio	Lower	Upper	
149	100		
167	23.0	20.5	30.7
279	2.6	2.0	3.0





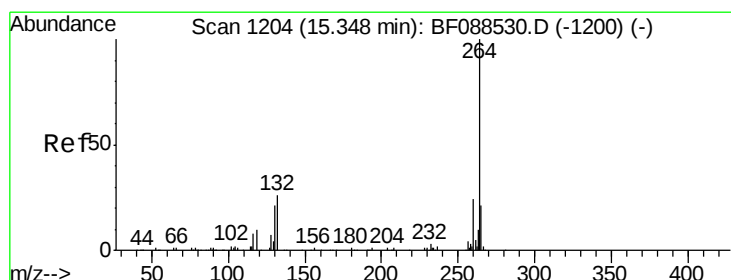
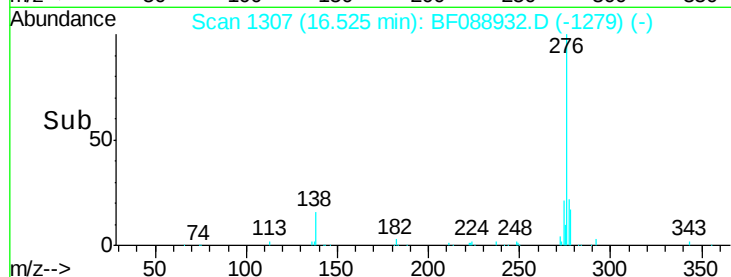
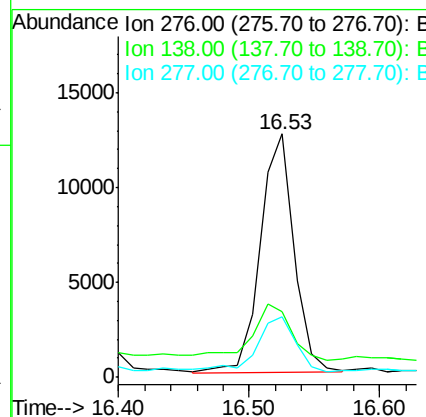
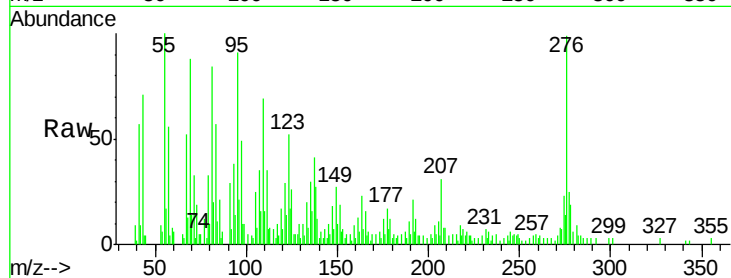
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.04 ng
RT: 16.53 min Scan# 1307
Delta R.T. 0.02 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.5	0.0	0.0#
277	26.3	0.0	0.0#

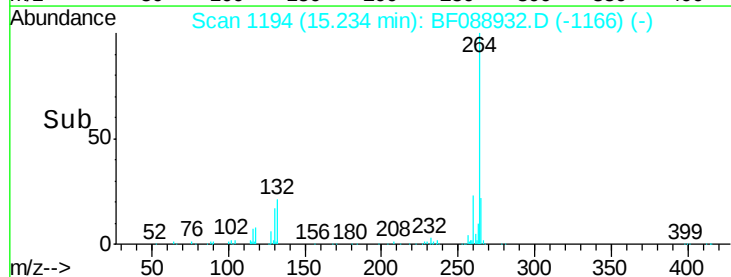
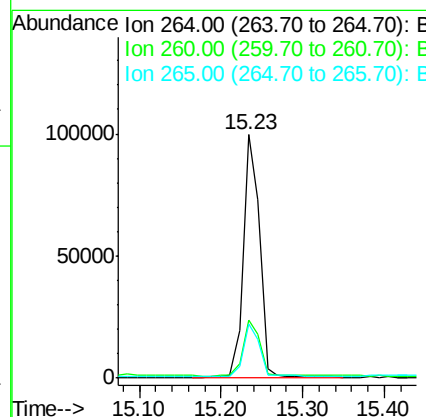
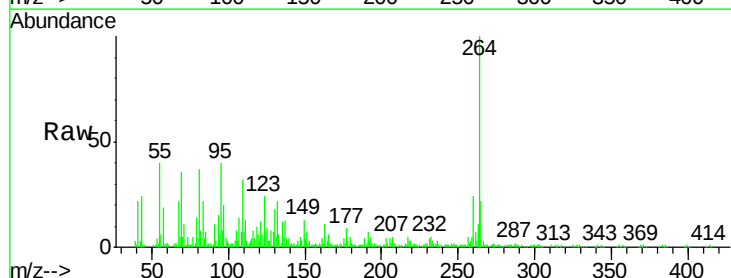
Manual Integrations

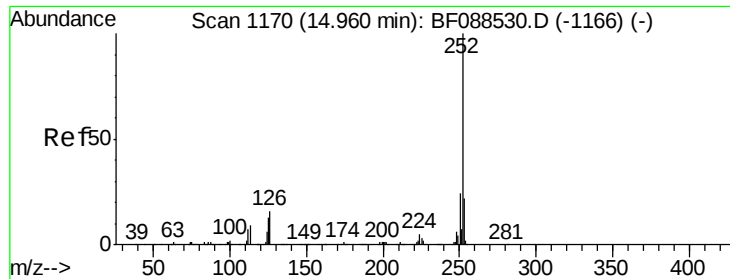
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SOHIL
7/13/2016 9:25:39 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 1194
Delta R.T. 0.02 min
Lab File: BF088932.D
Acq: 12 Jul 2016 21:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 5.33 ng/mL

RT: 14.86 min Scan# 1161

Delta R.T. 0.02 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

Instrument :

BNA_F

ClientSampled :

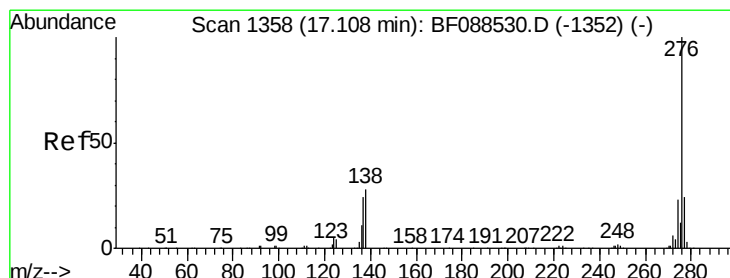
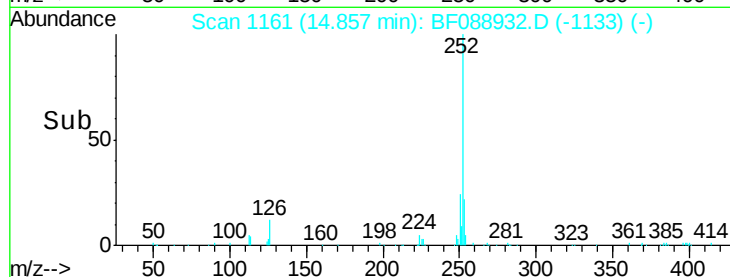
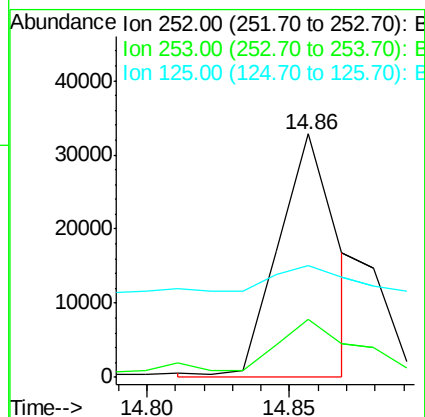
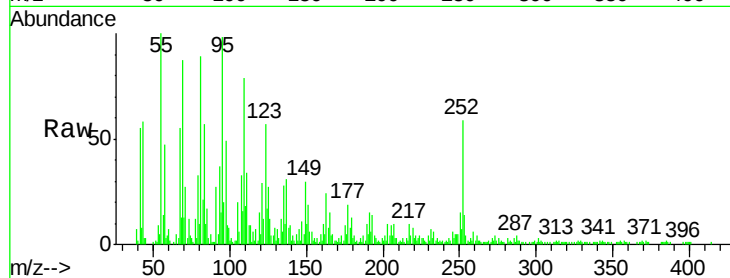
SS-10

Tot Ion:	252	Resp:	46625
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.2
125	46.1	7.1	10.7#

Manual Integrations

SOHIL

7/13/2016 9:25:39 AM



#91

Benzo(g,h,i)perylene

Concen: 3.70 ng/mL

RT: 16.90 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF088932.D

Acq: 12 Jul 2016 21:28

Tgt Ion:	276	Resp:	23656
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	30.4	21.4	32.2

