

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF089008.D
 Acq On : 15 Jul 2016 2:21
 Operator : UM/SJ
 Sample : H3995-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD02

Manual Integrations

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 Sohil
 7/15/2016 9:16:45 AM

Quant Time: Jul 15 04:09:30 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	6.68	152	46828	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	189511	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	67370	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	129408	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	89969	20.00	ng	-0.03
86) Perylene-d12	15.19	264	68726	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	369985	118.41	ng	0.00
7) Phenol-d6	6.34	99	394760	97.78	ng	-0.01
23) Nitrobenzene-d5	7.26	82	262633	72.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	61140	97.73	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	369022	86.52	ng	-0.02
78) Terphenyl-d14	12.78	244	278694	69.00	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.45	163	71920	14.98	ng	99
70) Phenanthrene	11.22	178	22345	3.16	ng	100
74) Fluoranthene	12.40	202	58899	8.21	ng	98
77) Pyrene	12.63	202	60874	7.98	ng	98
79) Butylbenzylphthalate	13.26	149	17777	5.22	ng	# 83
80) Benzo(a)anthracene	13.81	228	29127	5.03	ng	94
82) Chrysene	13.84	228	21930m	3.83	ng	
83) Bis(2-ethylhexyl)phthalate	13.82	149	14745	3.80	ng	96
85) Indeno(1,2,3-cd)pyrene	16.47	276	10924	2.48	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	26000m	6.03	ng	
88) Benzo(k)fluoranthene	14.82	252	11567m	3.08	ng	
89) Benzo(a)pyrene	15.13	252	17527	4.80	ng	# 87
91) Benzo(a,h,i)perylene	16.86	276	14209	4.50	ng	# 92

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

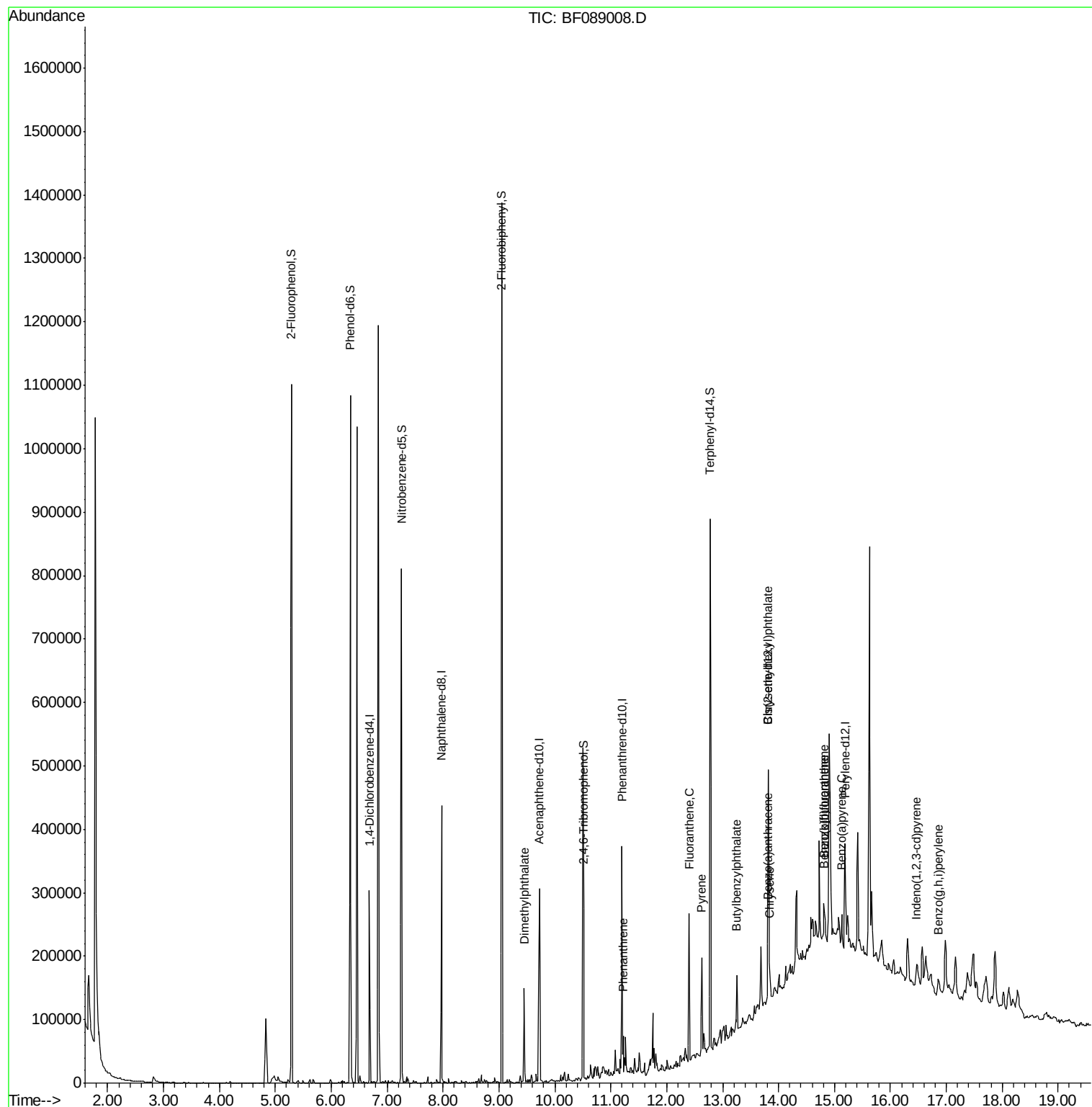
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF089008.D
Acq On : 15 Jul 2016 2:21
Operator : UM/SJ
Sample : H3995-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

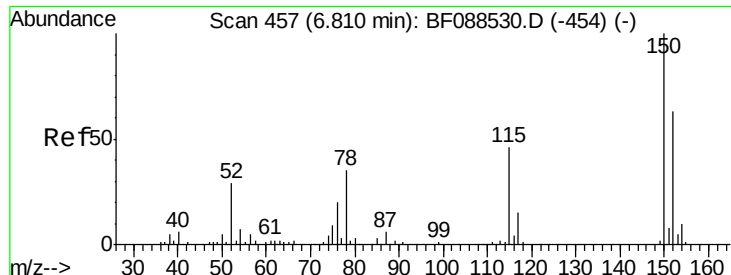
Instrument :
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Quant Time: Jul 15 04:09:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

Tot Ion:152 Resp: 46828

Ion Ratio Lower Upper

152 100

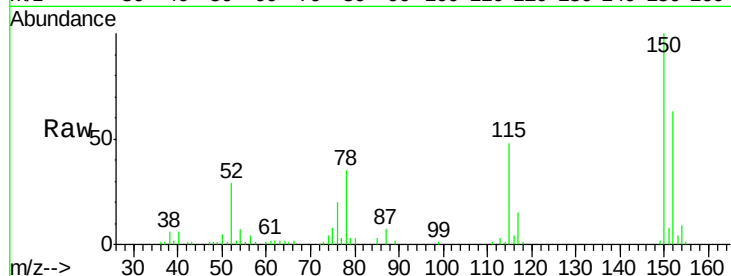
150 159.6 123.8 185.6

115 76.2 39.6 59.4#

Manual Integrations

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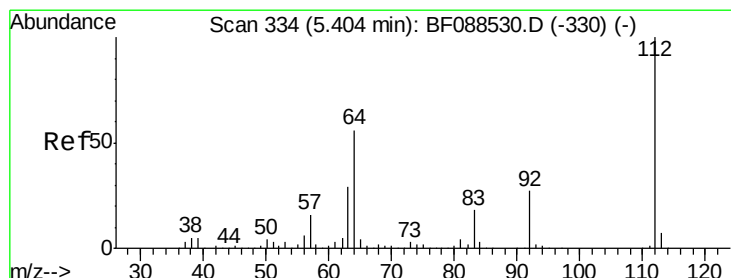
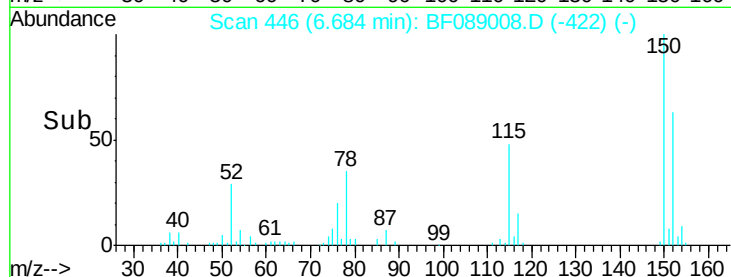
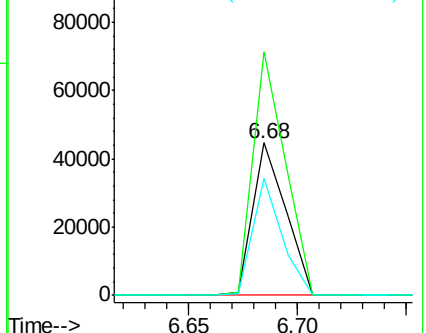
7/15/2016 9:16:45 AM



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: 118.41 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.00 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

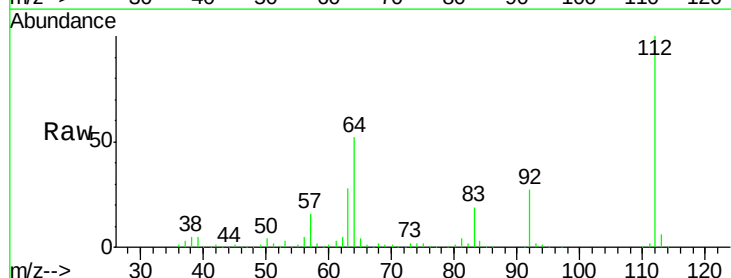
Tgt Ion:112 Resp: 369985

Ion Ratio Lower Upper

112 100

64 51.6 42.2 63.2

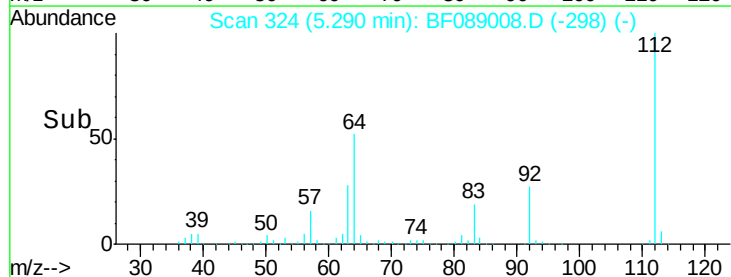
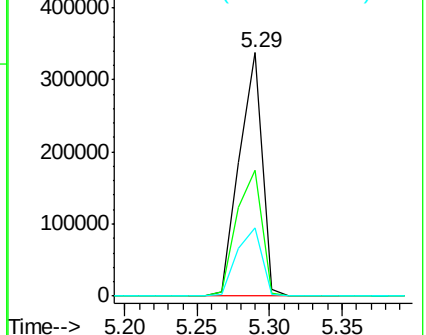
63 28.1 21.8 32.8

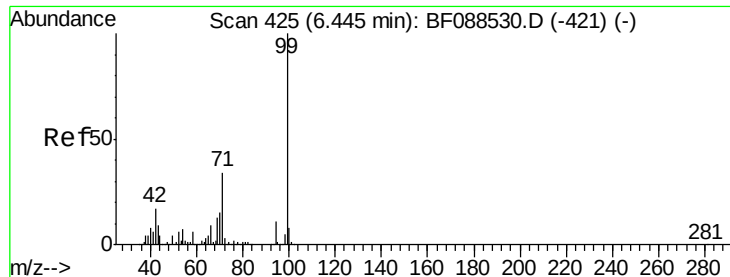


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.78 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

Tot Ion: 99 Resp: 394760

Ion Ratio Lower Upper

99 100

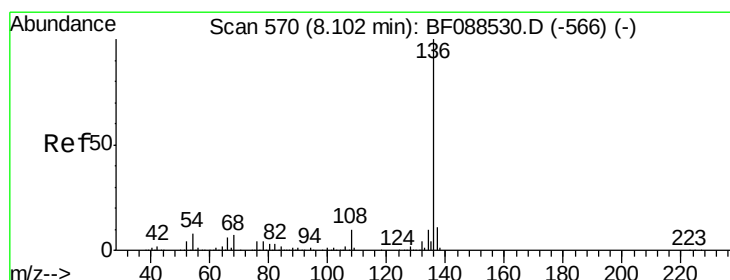
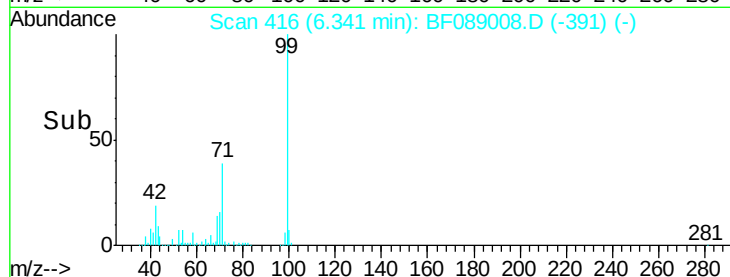
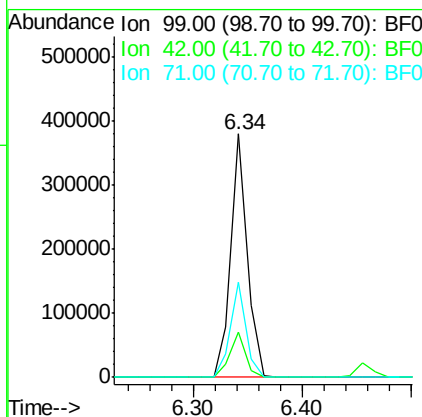
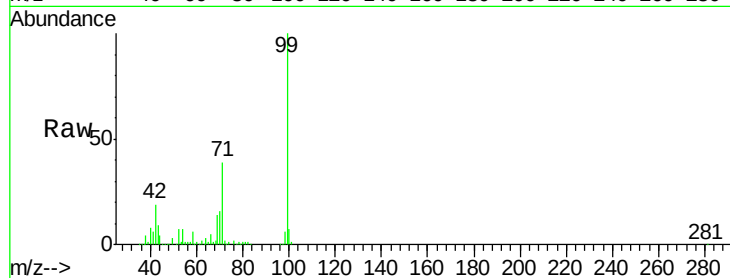
42 18.7 12.2 18.2#

71 38.9 23.4 35.0#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Tgt Ion: 136 Resp: 189511

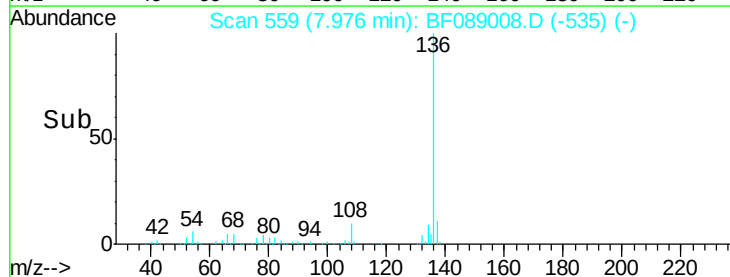
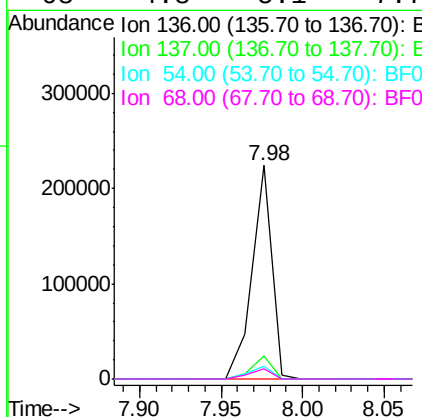
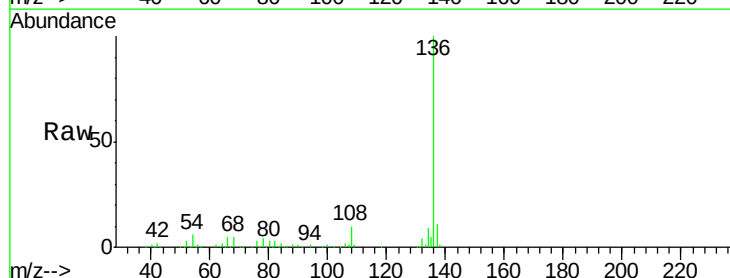
Ion Ratio Lower Upper

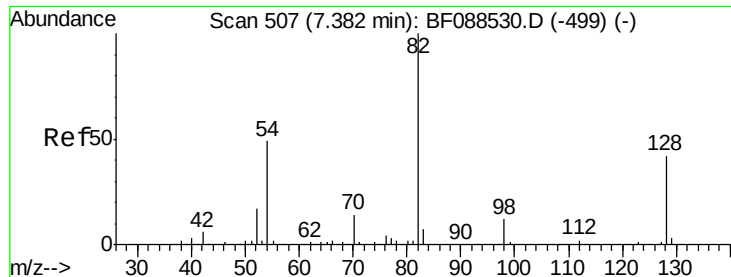
136 100

137 10.5 9.1 13.7

54 5.8 6.6 10.0#

68 4.8 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 72.62 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

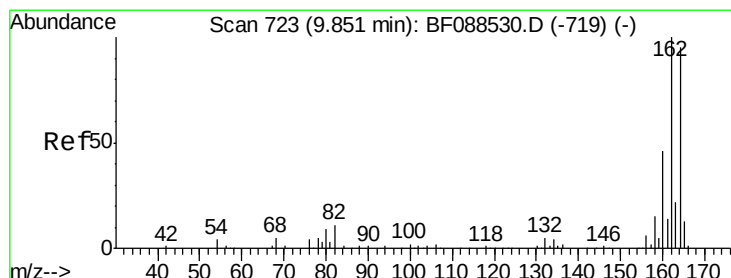
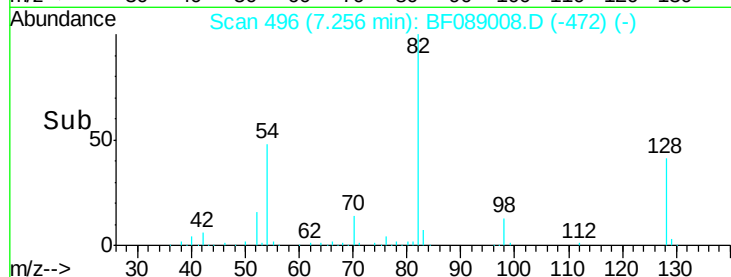
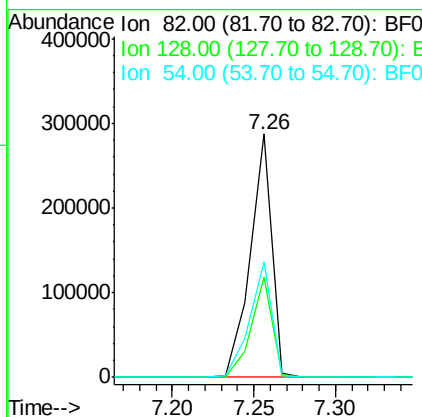
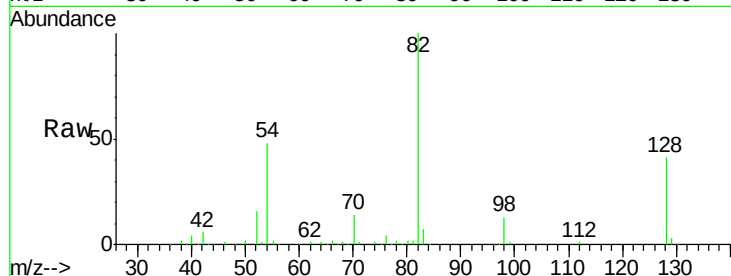
LSS-SB-XD02

Tot Ion:	82	Resp:	262633
Ion Ratio	Lower	Upper	
82	100		
128	41.2	35.9	53.9
54	47.7	40.9	61.3

Manual Integrations

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#38

Acenaphthene-d10

Concen: 20.00 ng

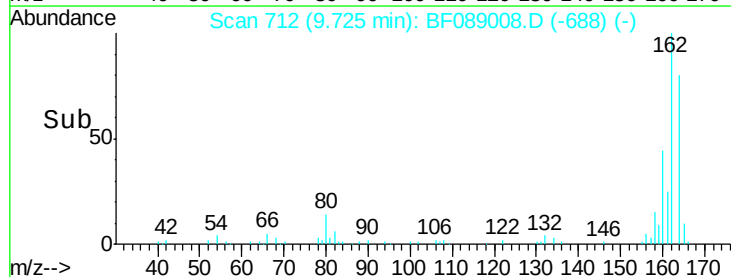
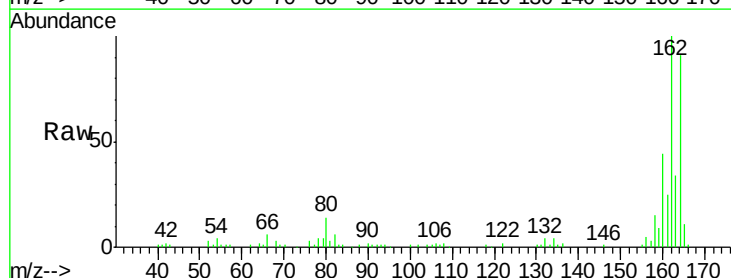
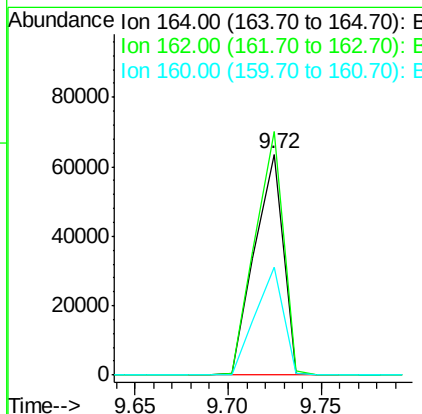
RT: 9.72 min Scan# 712

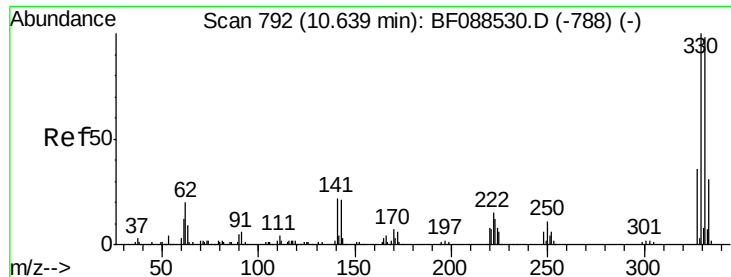
Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Tgt Ion:	164	Resp:	67370
Ion Ratio	Lower	Upper	
164	100		
162	110.3	85.4	128.2
160	48.7	39.5	59.3





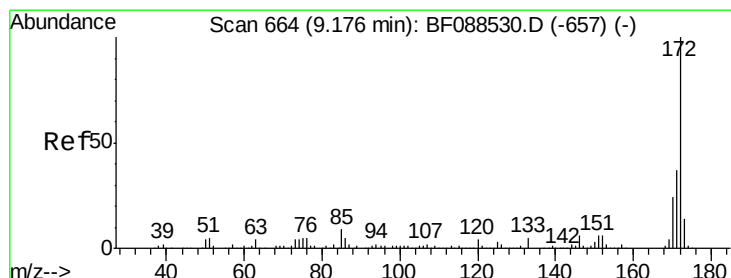
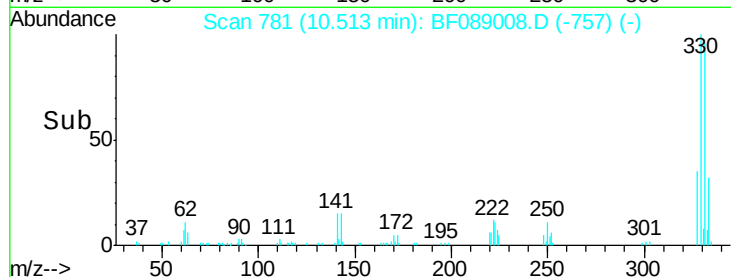
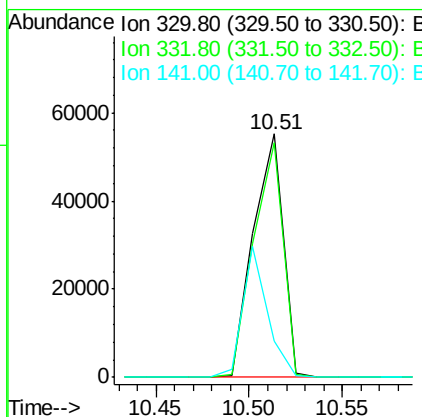
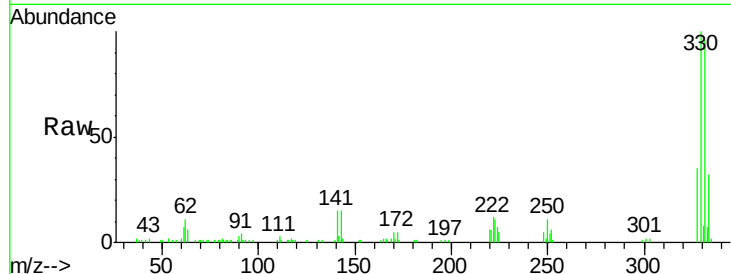
#41
 2,4,6-Tribromophenol
 Concen: 97.73 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD02

Tot Ion	Ratio	Resp	Lower	Upper
330	100	61140		
332	95.4	0.0	0.0	0.0
141	44.9	0.0	0.0	0.0

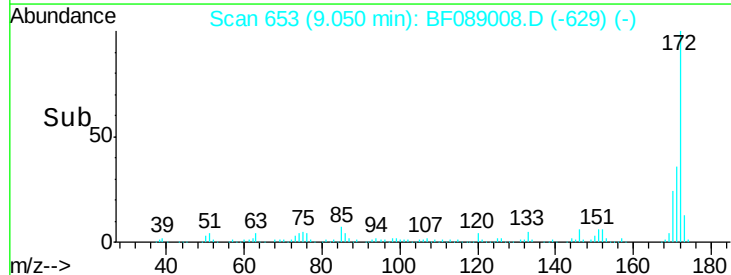
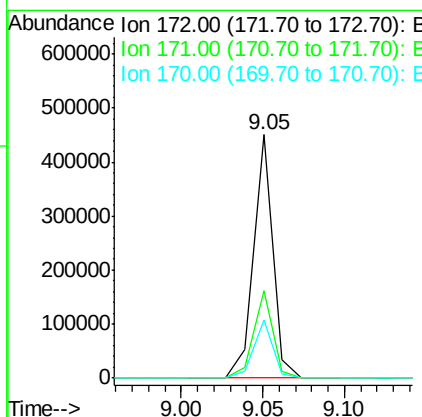
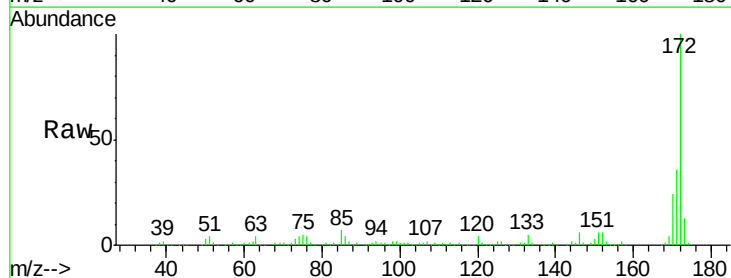
Manual Integrations

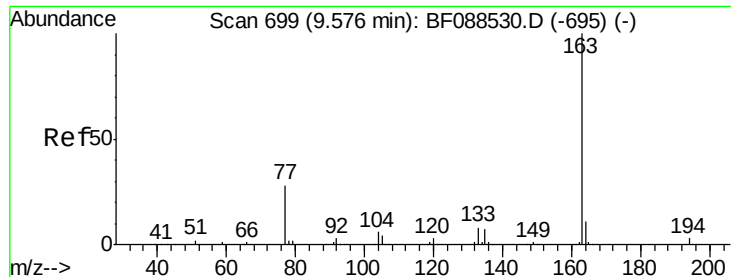
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#44
 2-Fluorobiphenyl
 Concen: 86.52 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	369022		
171	36.1	28.6	43.0	
170	23.7	19.2	28.8	





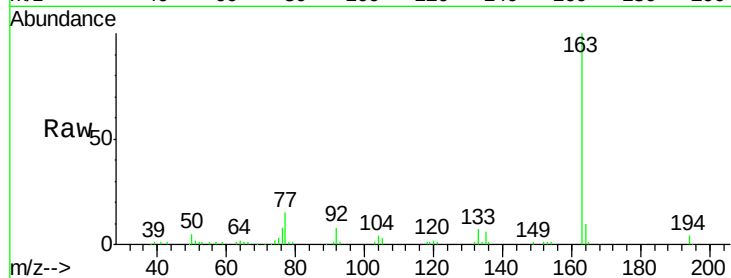
#49
Dimethylphthalate
Concen: 14.98 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	10.0	8.3	12.5

Manual Integrations

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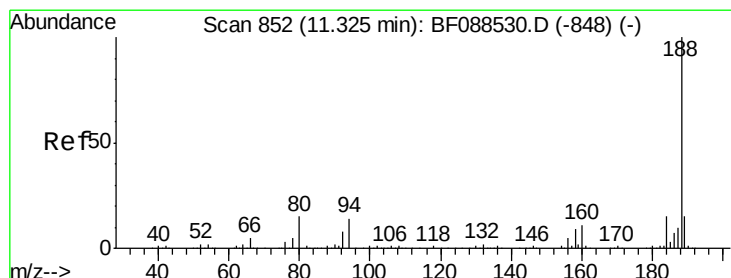
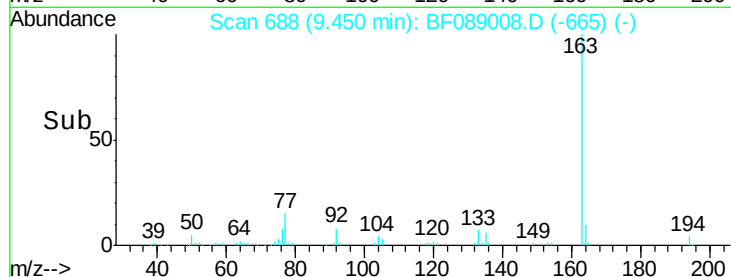
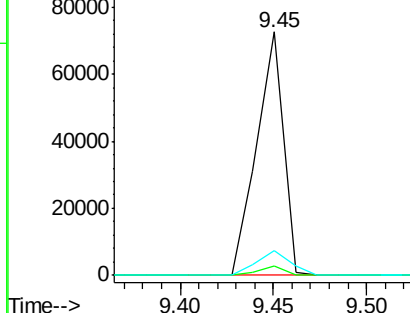


Abundance

Ion 163.00 (162.70 to 163.70): E

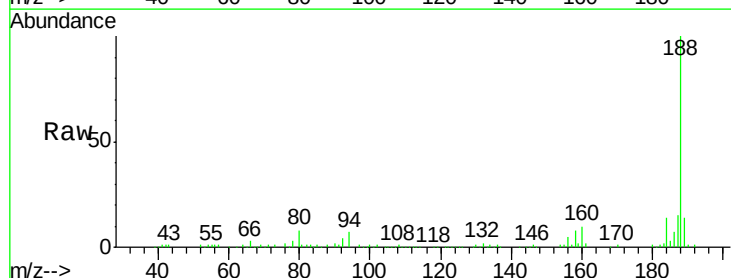
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	9.0	13.6#
80	7.8	10.0	15.0#

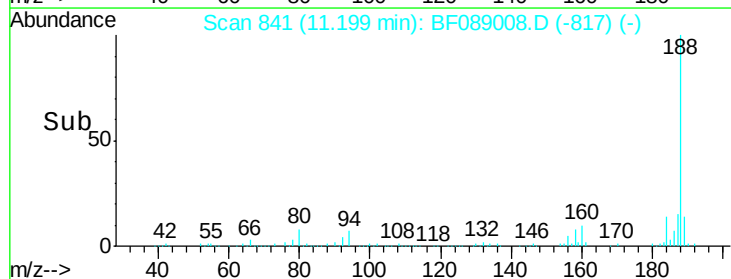
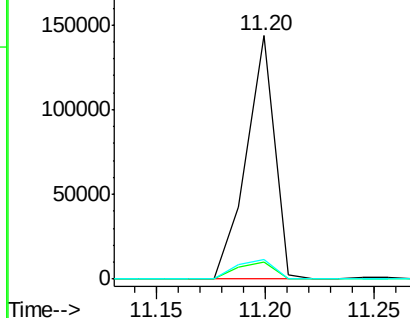


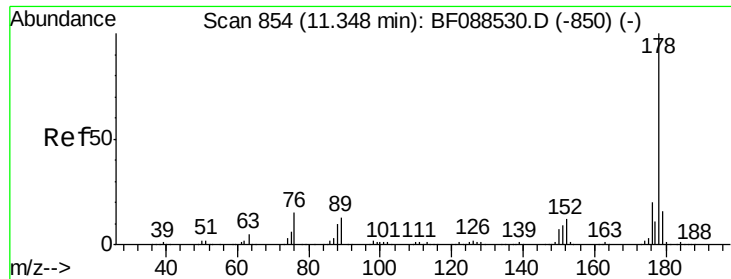
Abundance

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





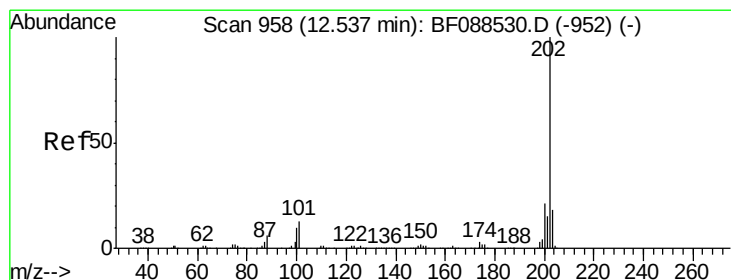
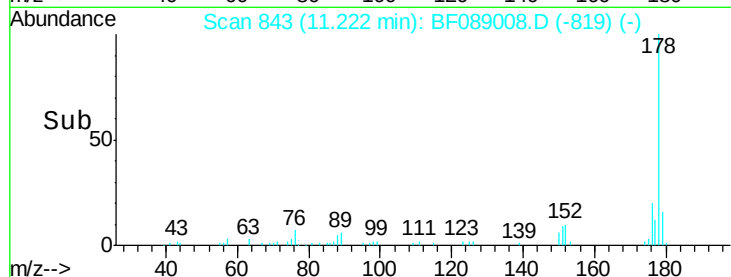
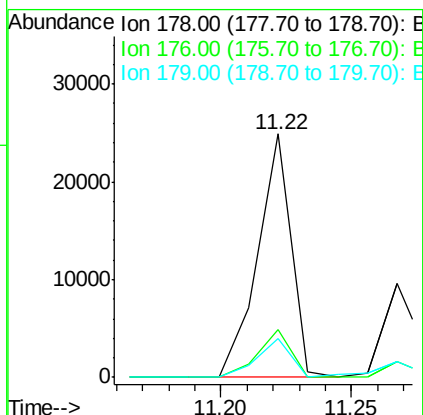
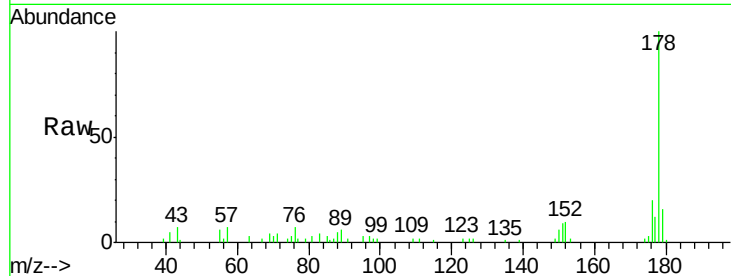
#70
Phenanthrene
Concen: 3.16 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	16.2	13.0	19.4

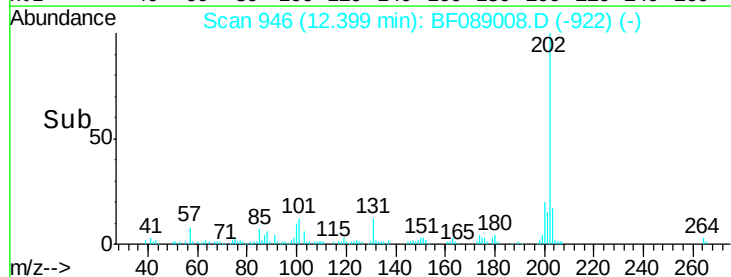
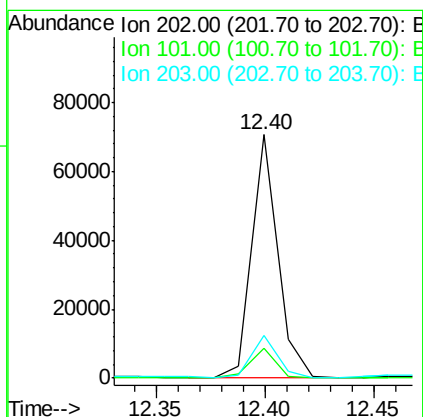
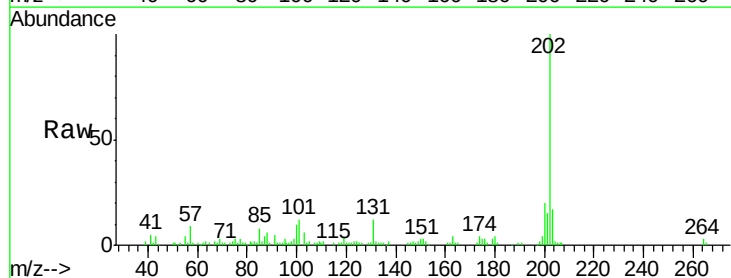
Manual Integrations

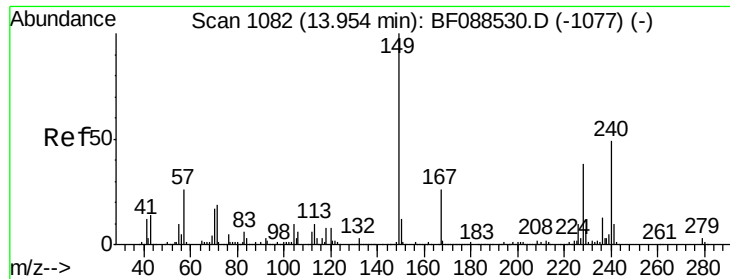
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#74
Fluoranthene
Concen: 8.21 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

Tot Ion:240 Resp: 89969

Ion Ratio Lower Upper

240 100

120 16.0 6.8 10.2#

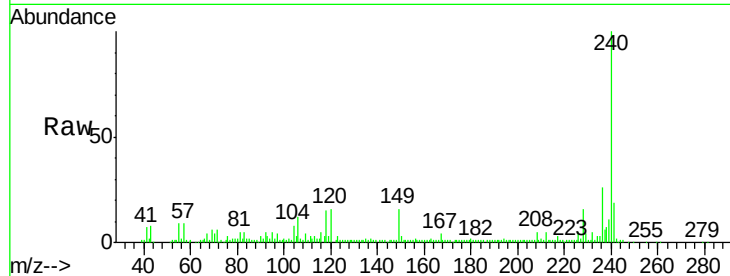
236 25.7 20.2 30.2

Manual Integrations

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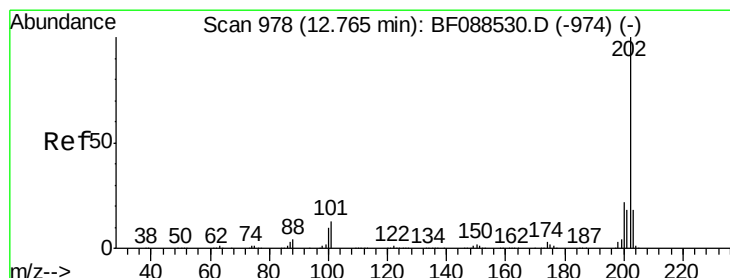
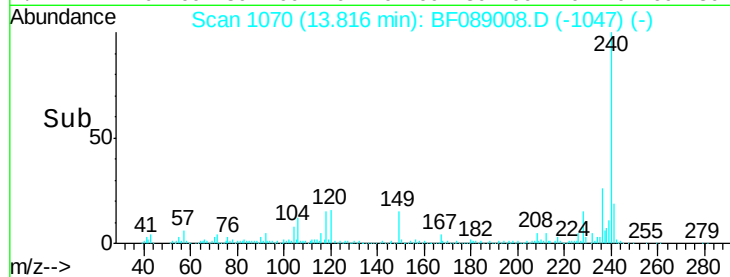
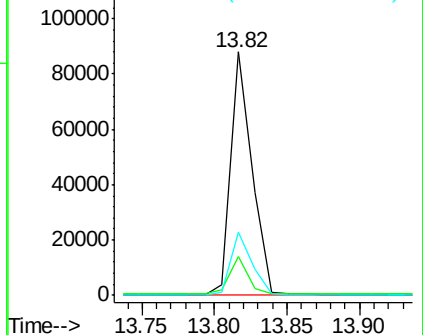
7/15/2016 9:16:45 AM



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



#77

Pyrene

Concen: 7.98 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

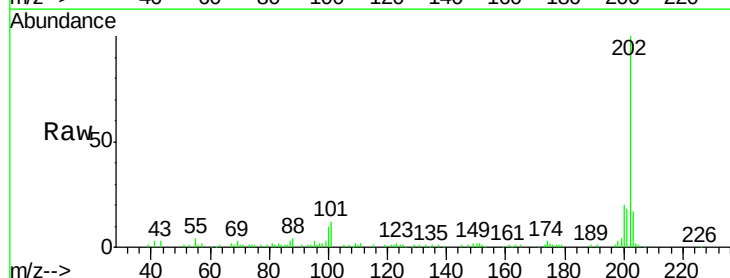
Tgt Ion:202 Resp: 60874

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

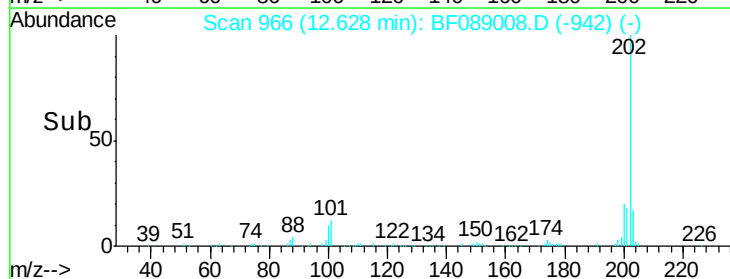
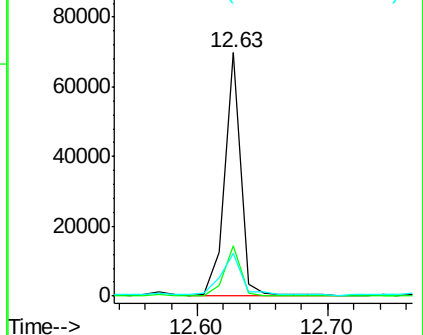
203 17.3 14.5 21.7

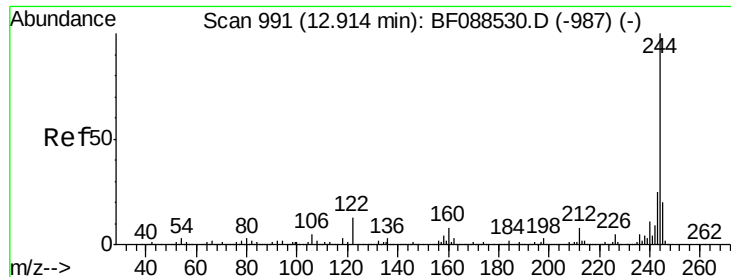


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





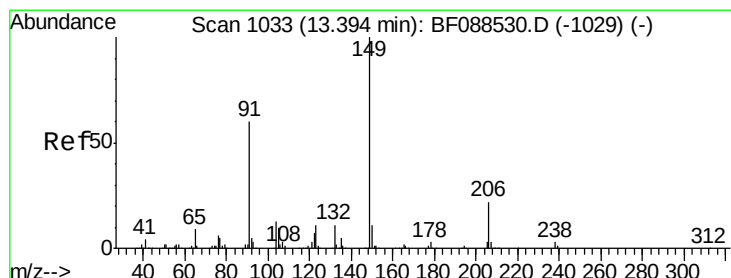
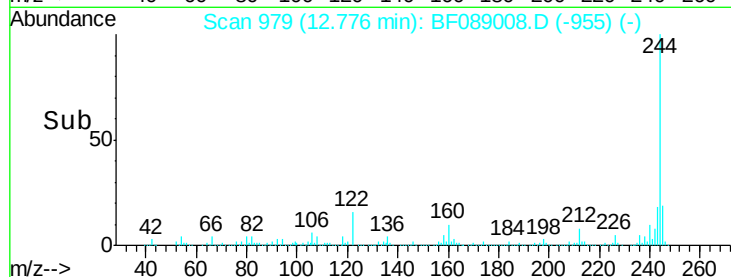
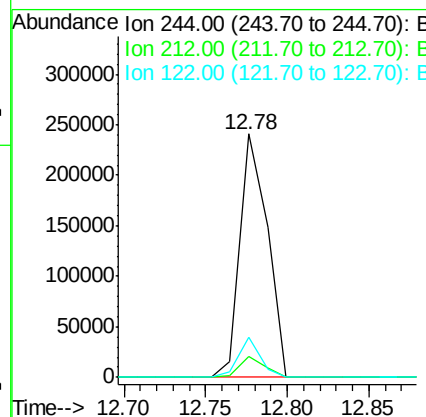
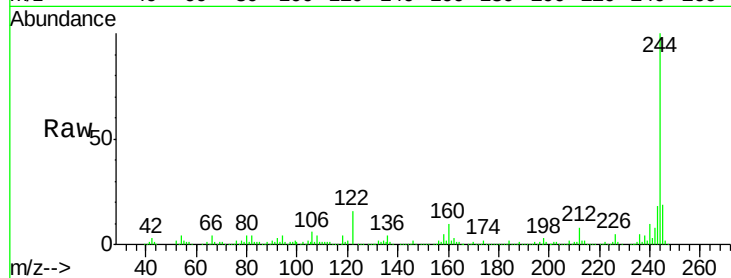
#78
 Terphenyl-d14
 Concen: 69.00 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD02

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.0	9.0
122	16.3	11.2	16.8

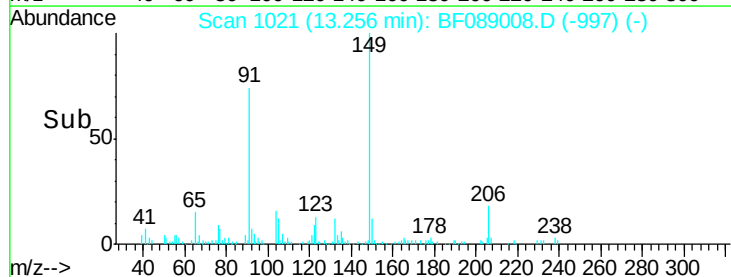
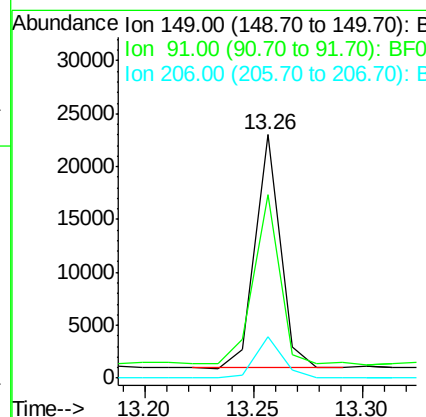
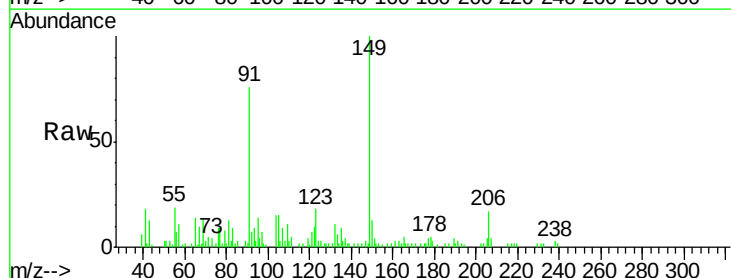
Manual Integrations

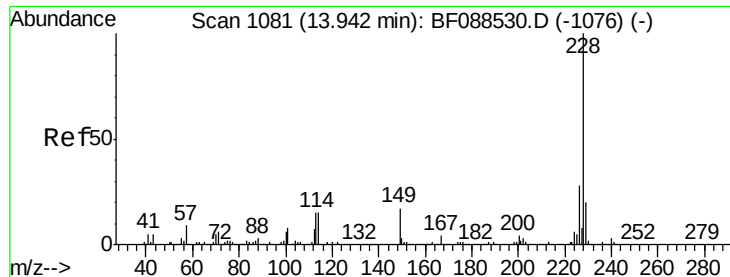
APPROVED
 Sohil
 7/15/2016 9:16:45 AM



#79
 Butylbenzylphthalate
 Concen: 5.22 ng
 RT: 13.26 min Scan# 1021
 Delta R.T. -0.02 min
 Lab File: BF089008.D
 Acq: 15 Jul 2016 2:21

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.5	48.0	72.0#
206	17.1	16.0	24.0





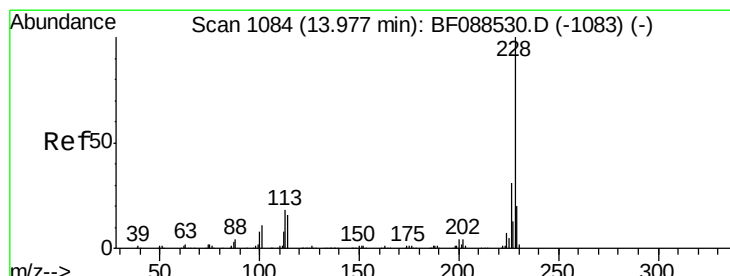
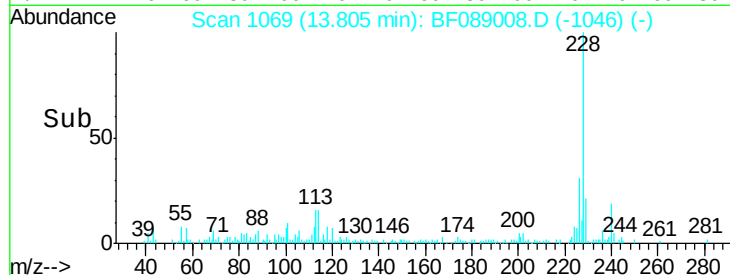
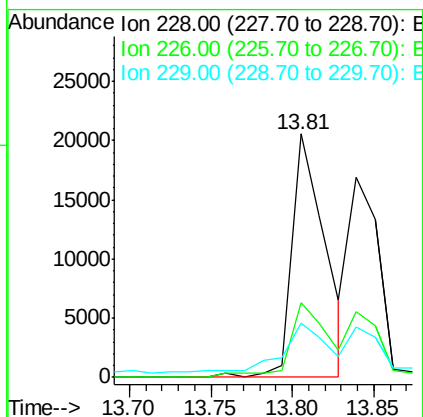
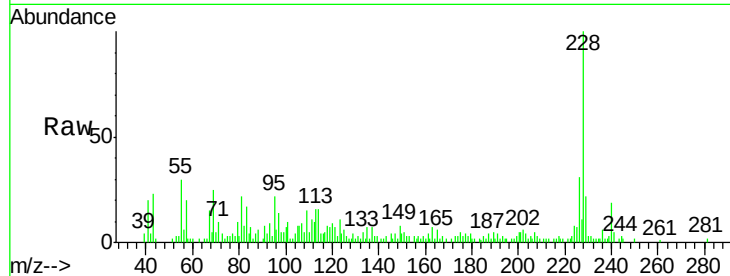
#80
Benzo(a)anthracene
Concen: 5.03 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.3	33.5
229	22.4	16.0	24.0

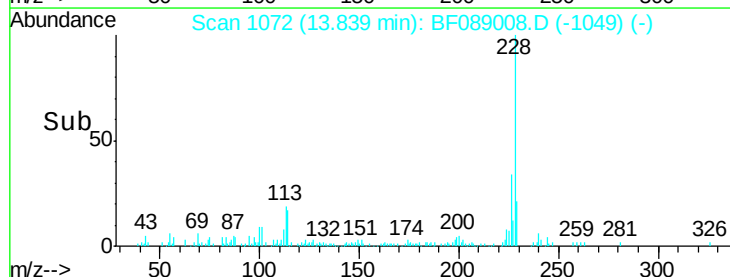
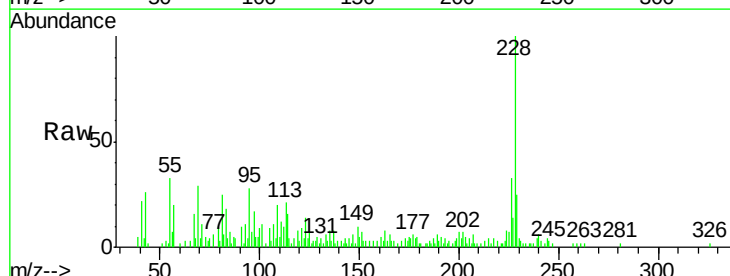
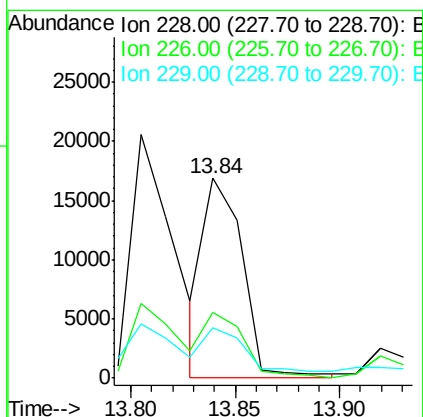
Manual Integrations

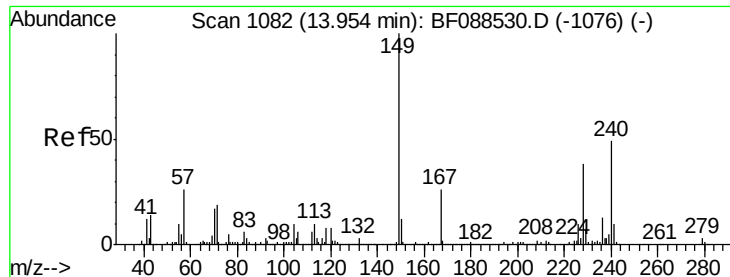
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Sohil
7/15/2016 9:16:45 AM



#82
Chrysene
Concen: 3.83 ng m
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.4	38.2
229	25.4	16.3	24.5#





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.80 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Instrument :

BNA_F

ClientSampleId :

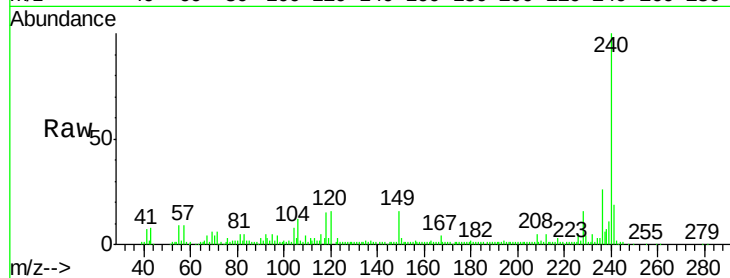
LSS-SB-XD02

Tot Ion:	149	Resp:	14745
Ion Ratio	Lower	Upper	
149	100		
167	23.5	20.5	30.7
279	2.2	2.0	3.0

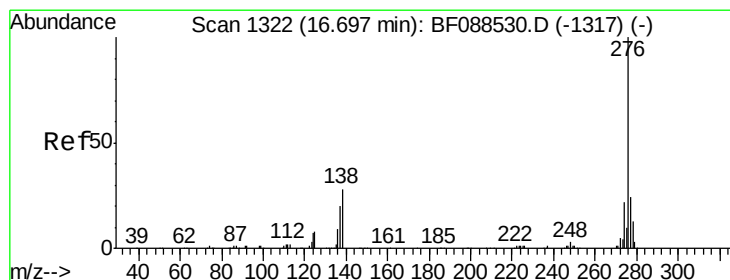
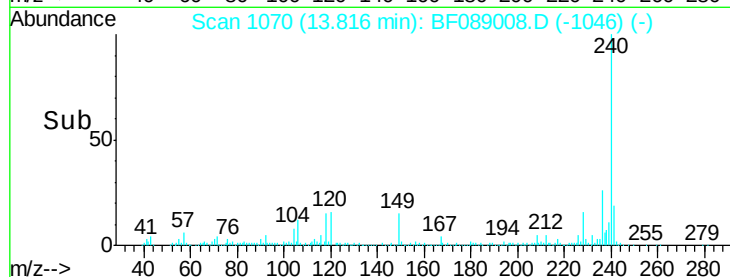
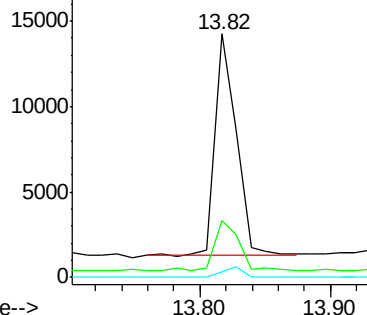
Manual Integrations

Sohil

7/15/2016 9:16:45 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.48 ng

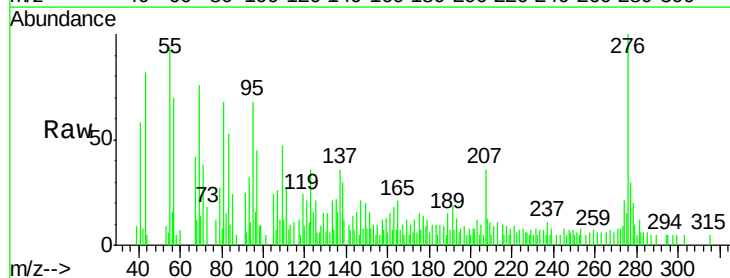
RT: 16.47 min Scan# 1302

Delta R.T. -0.03 min

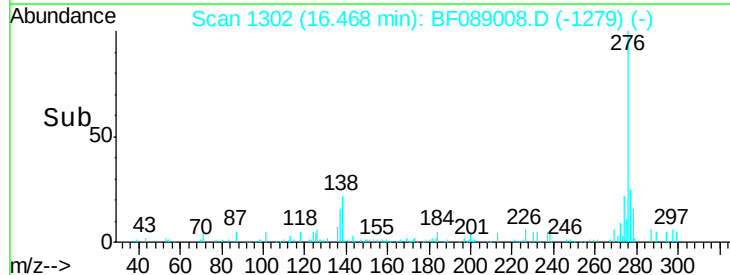
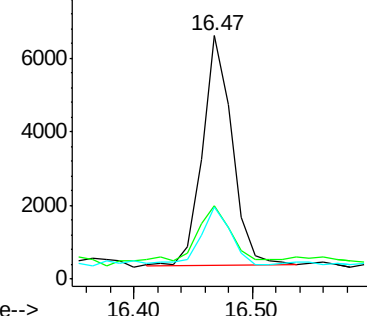
Lab File: BF089008.D

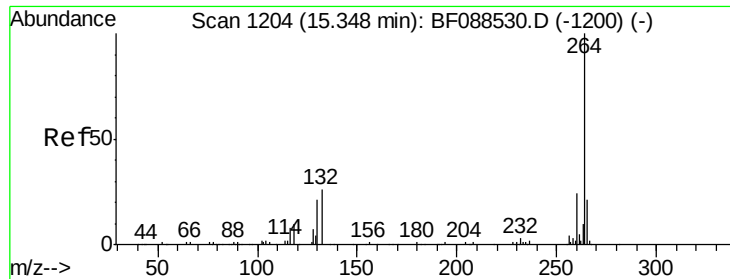
Acq: 15 Jul 2016 2:21

Tgt Ion:	276	Resp:	10924
Ion Ratio	Lower	Upper	
276	100		
138	36.1	0.0	0.0#
277	25.0	0.0	0.0#



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





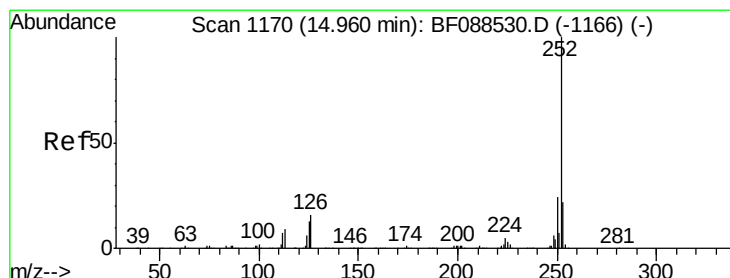
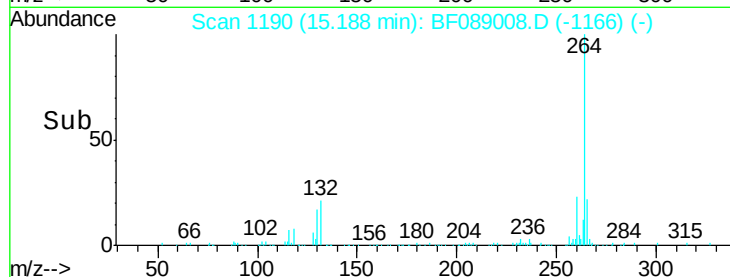
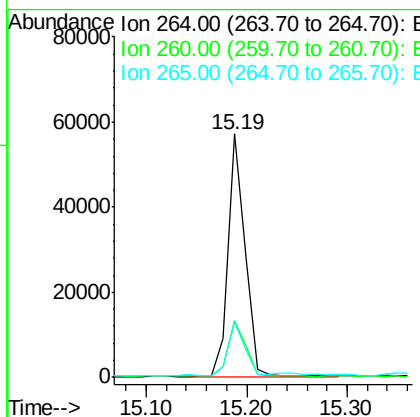
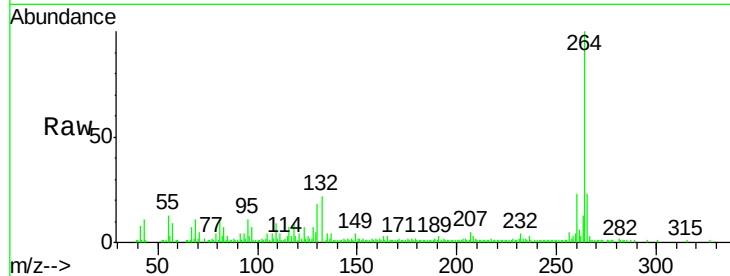
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD02

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.5	16.9	25.3

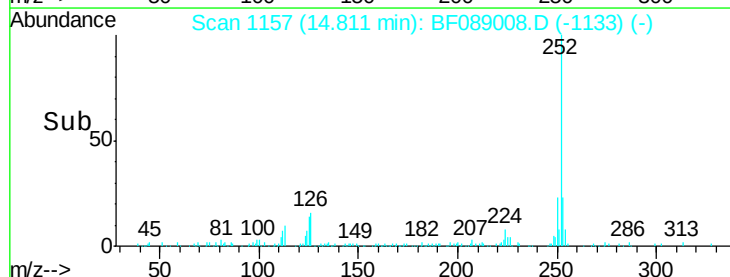
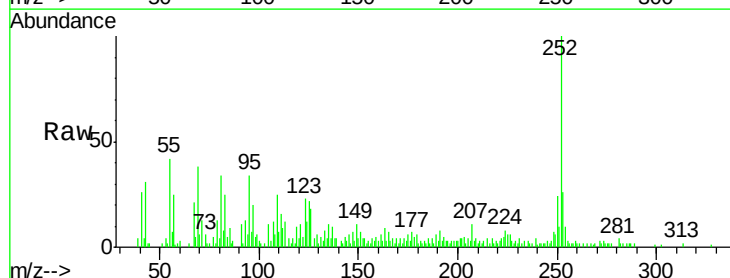
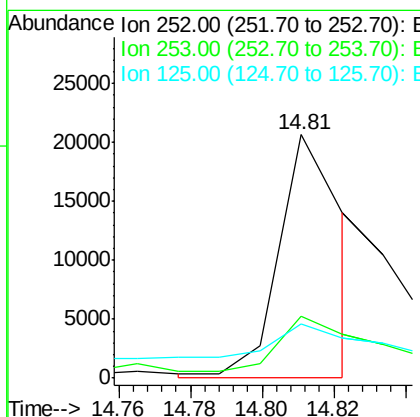
Manual Integrations

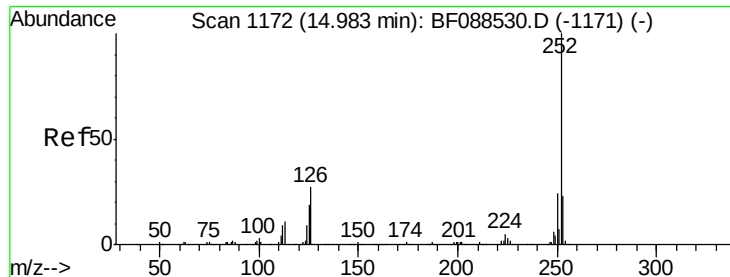
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7/15/2016 9:16:45 AM



#87
Benzo(b)fluoranthene
Concen: 6.03 ng m
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.4	26.2
125	22.2	7.1	10.7#





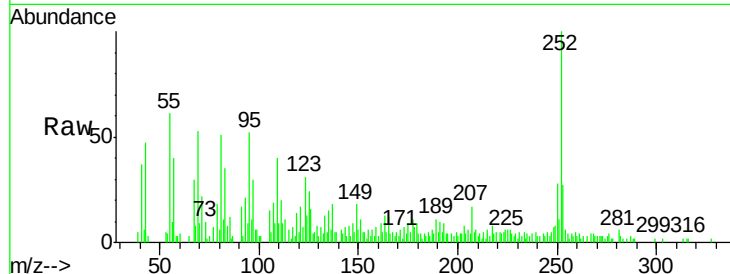
#88
Benzo(k)fluoranthene
Concen: 3.08 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.05 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

Instrument :
BNA_F
ClientSampled :
LSS-SB-XD02

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.0	27.0
125	23.9	11.2	16.8

Manual Integrations

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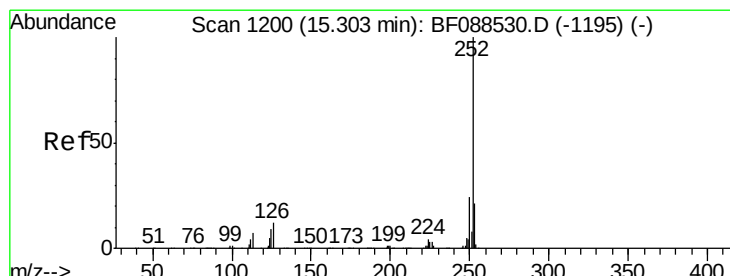
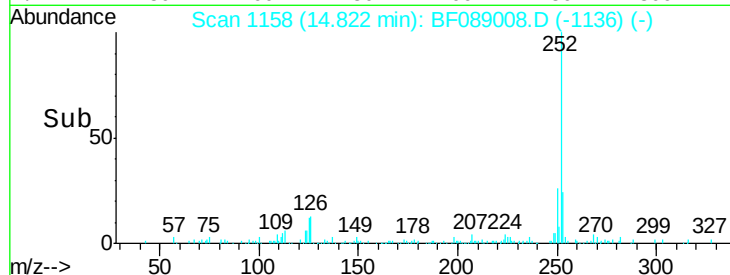
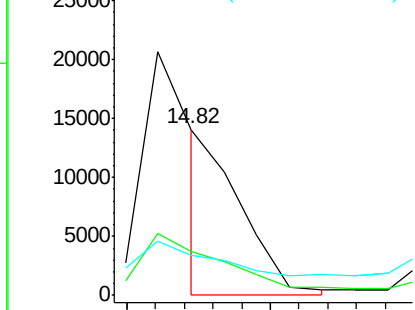


Abundance

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: 4.80 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089008.D
Acq: 15 Jul 2016 2:21

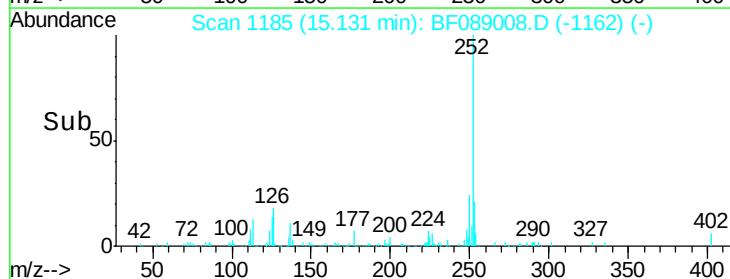
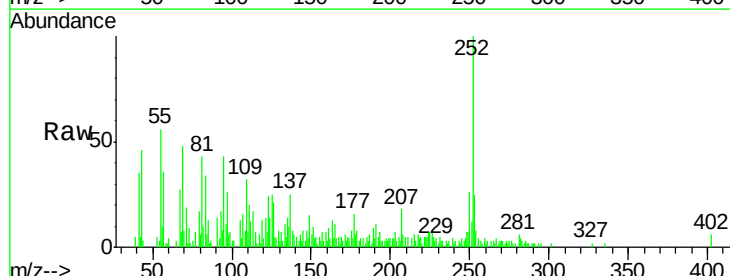
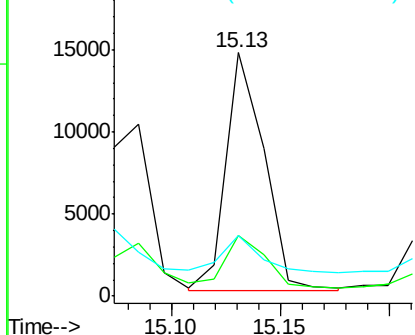
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	25.1	12.5	18.7

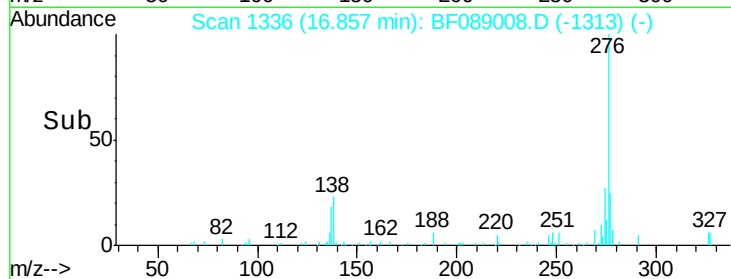
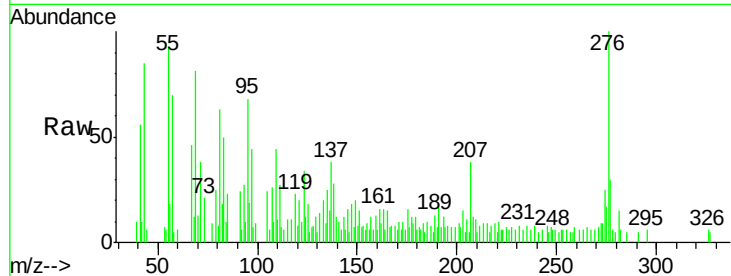
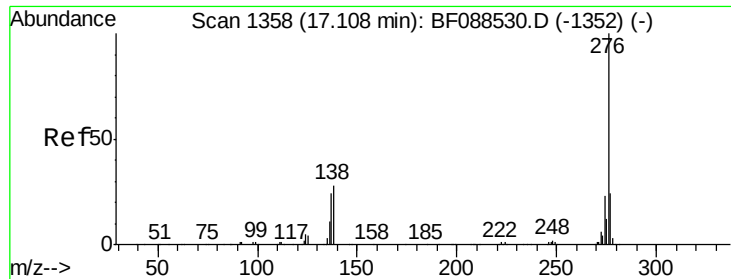
Abundance

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: 4.50 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF089008.D

Acq: 15 Jul 2016 2:21

Tot Ion:	276	Resp:	14209
Ion Ratio	Lower	Upper	
276	100		
277	29.9	18.9	28.3#
138	28.4	21.4	32.2

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD02

Manual Integrations

Sohil

7/15/2016 9:16:45 AM

