

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF089004.D
 Acq On : 15 Jul 2016 00:21
 Operator : UM/SJ
 Sample : H3972-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS05(0-2in)

Manual Integrations

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Quant Time: Jul 15 03:59:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	53932	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	191265	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	71657	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	118773	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	106844	20.00	ng	-0.03
86) Perylene-d12	15.19	264	72865	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	318826	88.60	ng	-0.01
7) Phenol-d6	6.34	99	479131	103.04	ng	-0.01
23) Nitrobenzene-d5	7.26	82	286737	78.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	53077	79.77	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	371394	81.87	ng	-0.02
78) Terphenyl-d14	12.78	244	230413	48.03	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	68588	13.44	ng	# 99
74) Fluoranthene	12.40	202	31851	4.84	ng	93
77) Pyrene	12.62	202	30964	3.42	ng	97
80) Benzo(a)anthracene	13.81	228	18484m	2.69	ng	
82) Chrysene	13.84	228	19046m	2.80	ng	
87) Benzo(b)fluoranthene	14.81	252	20188m	4.42	ng	
89) Benzo(a)pyrene	15.13	252	14180	3.66	ng	# 85
91) Benzo(g,h,i)perylene	16.85	276	8145	2.44	ng	# 82

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

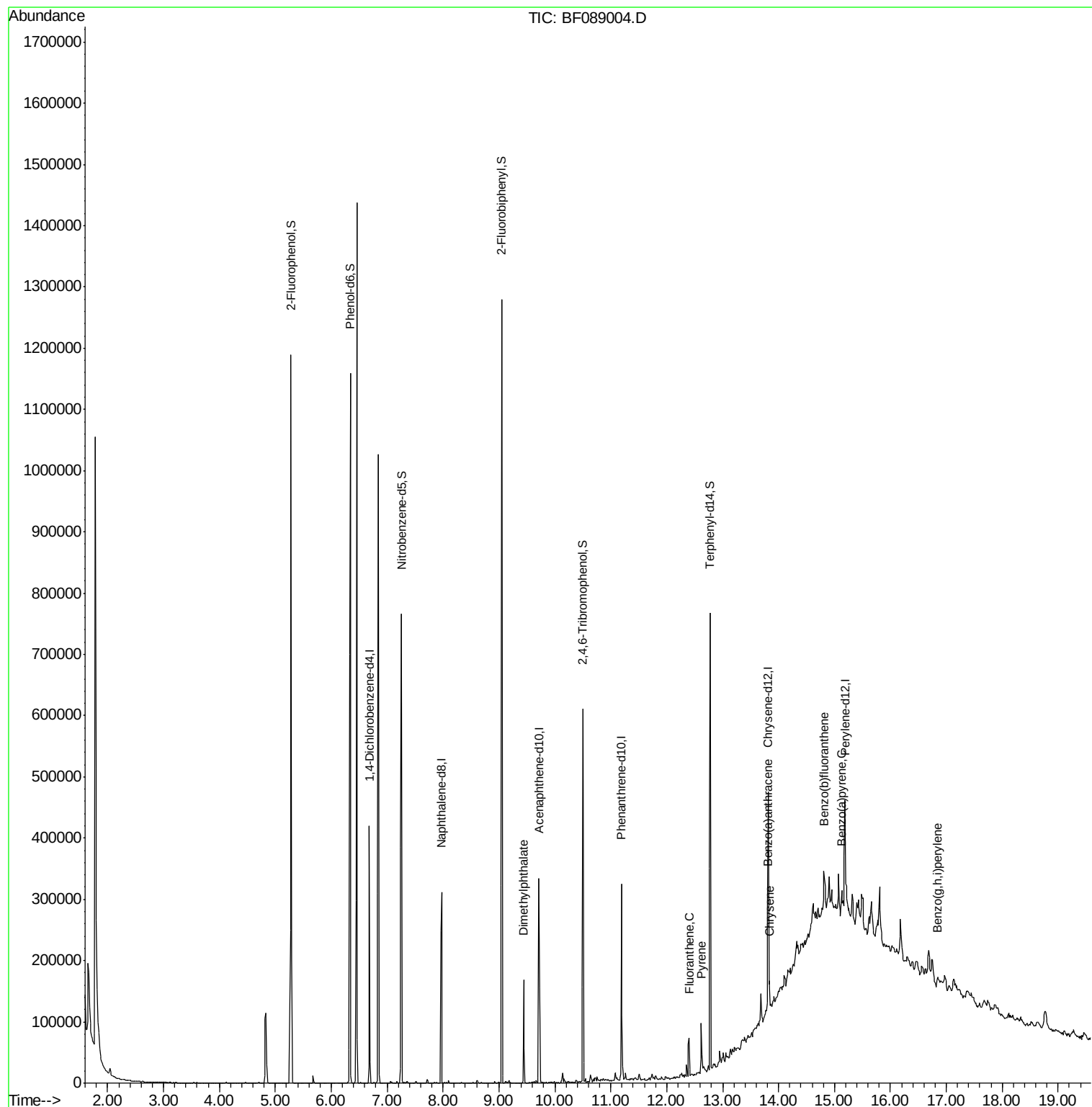
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF089004.D
Acq On : 15 Jul 2016 00:21
Operator : UM/SJ
Sample : H3972-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

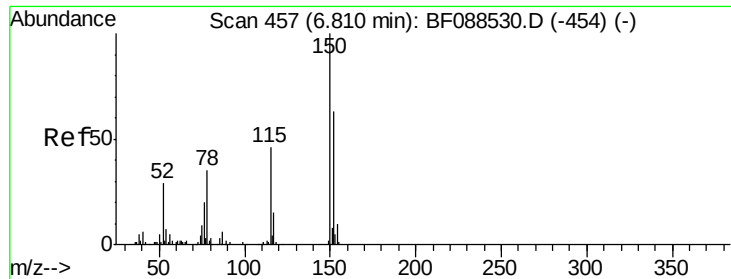
Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

Manual Integrations

Quant Time: Jul 15 03:59:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

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#1

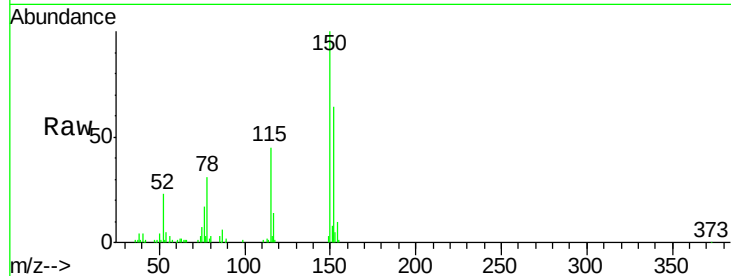
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

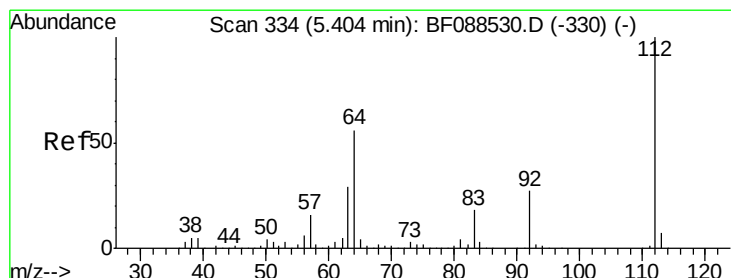
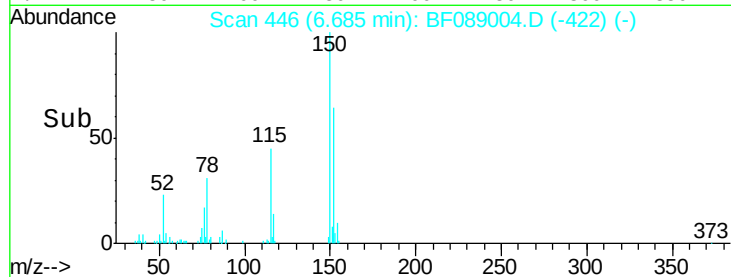
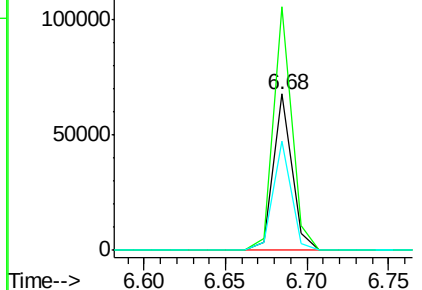
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.8	185.6
115	70.2	39.6	59.4

Manual Integrations

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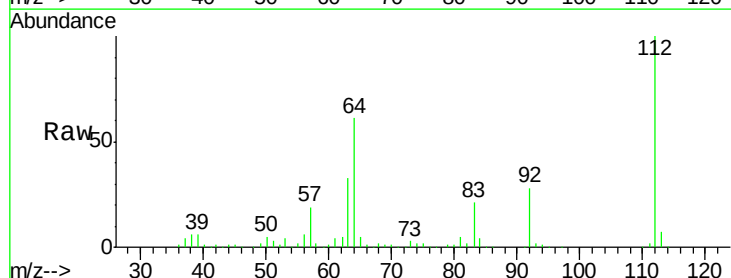
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



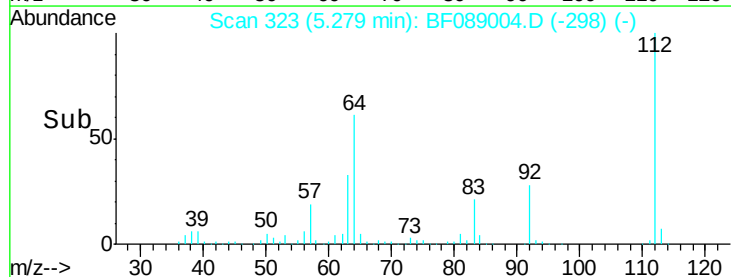
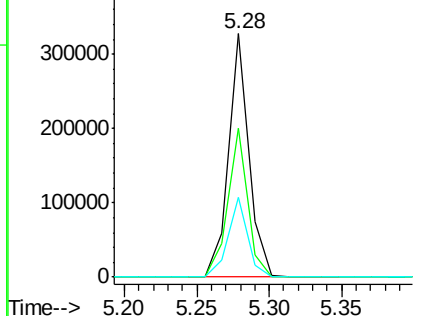
#5

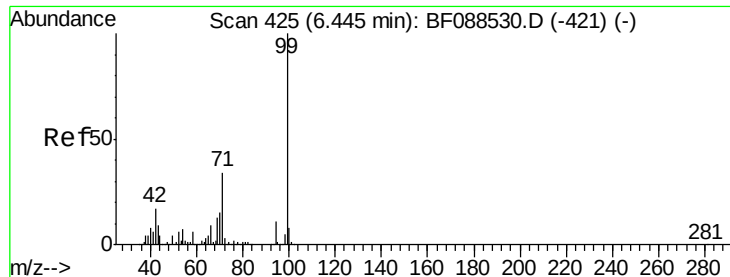
2-Fluorophenol
Concen: 88.60 ng
RT: 5.28 min Scan# 323
Delta R.T. -0.01 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	42.2	63.2
63	32.9	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: 103.04 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Instrument :

BNA_F

ClientSampleId :

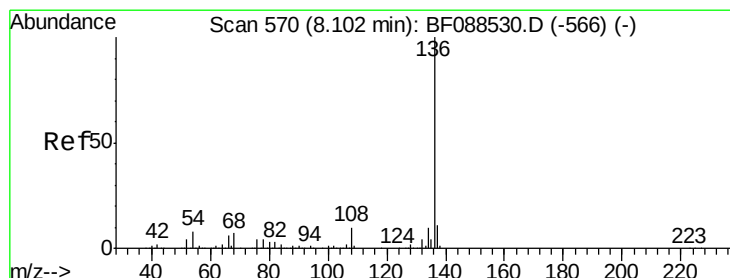
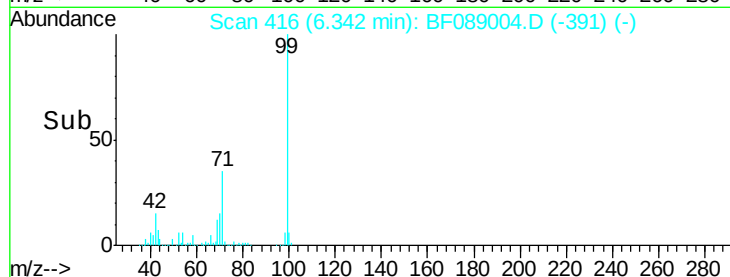
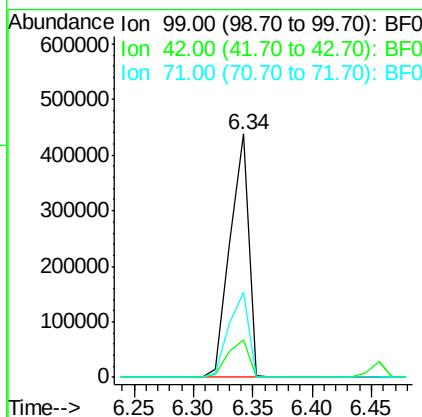
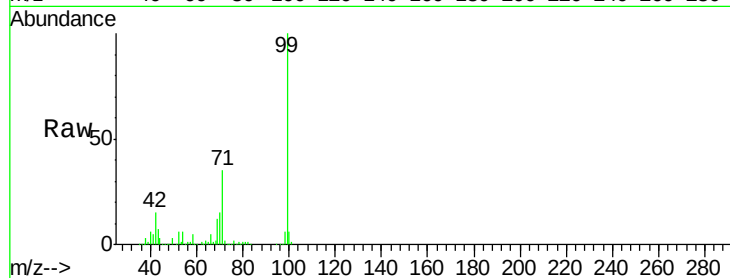
LSS-SS-SS05(0-2in)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		479131		
42	15.2	12.2	18.2		
71	35.1	23.4	35.0#		

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#21

Naphthalene-d8

Concen: 20.00 ng

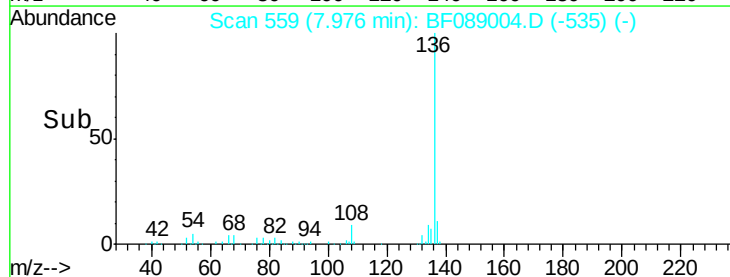
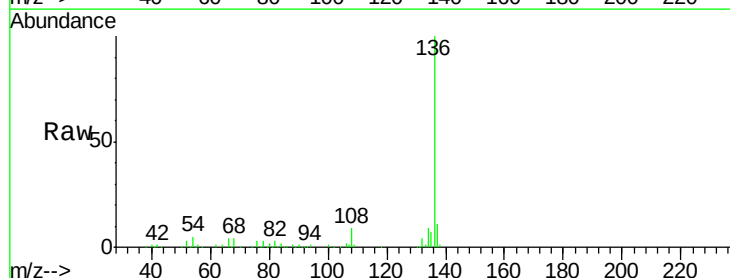
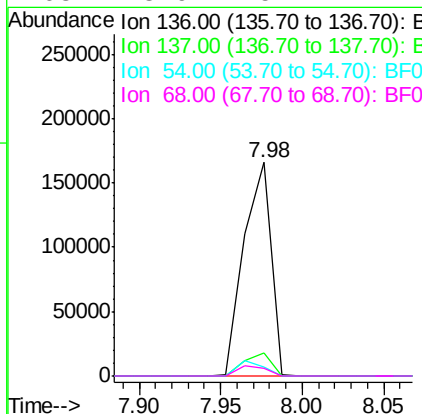
RT: 7.98 min Scan# 559

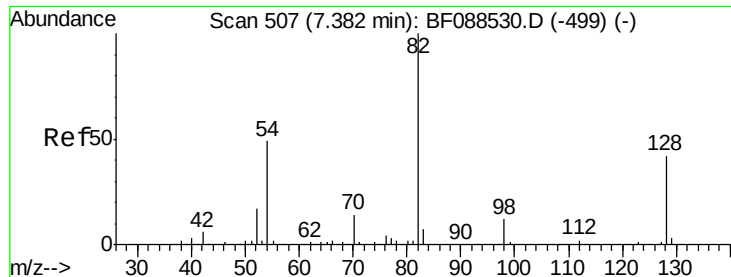
Delta R.T. -0.02 min

Lab File: BF089004.D

Acq: 15 Jul 2016 00:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		191265		
137	10.6	9.1	13.7		
54	4.5	6.6	10.0#		
68	3.9	5.1	7.7#		





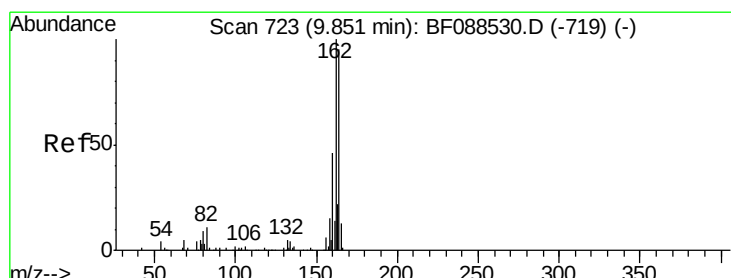
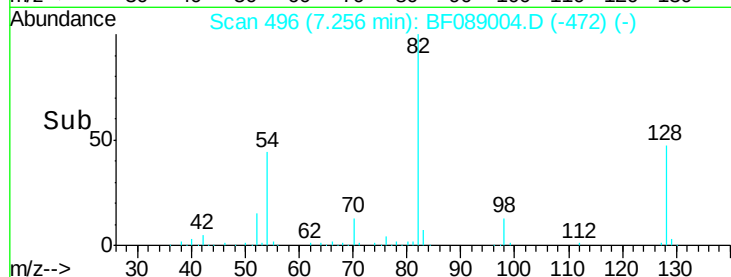
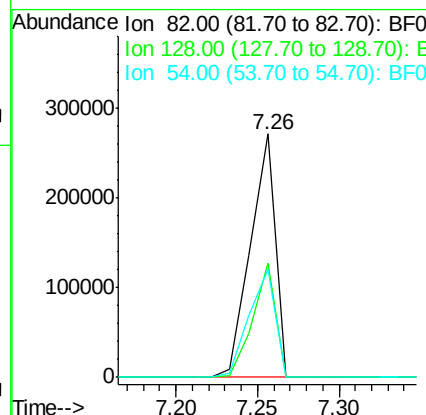
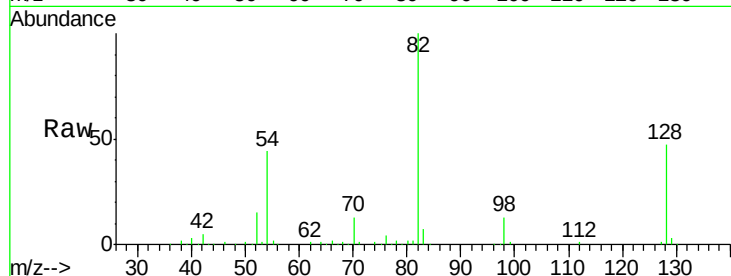
#23
 Nitrobenzene-d5
 Concen: 78.56 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS05(0-2in)

Tot Ion	82	Resp	286737
Ion Ratio	100	Lower	Upper
82	100		
128	46.8	35.9	53.9
54	44.2	40.9	61.3

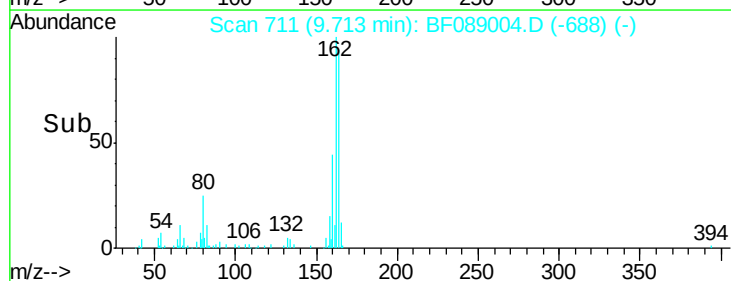
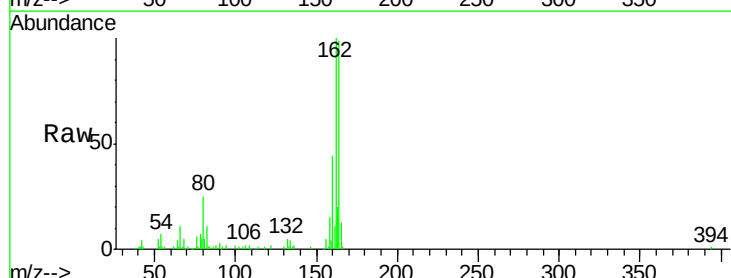
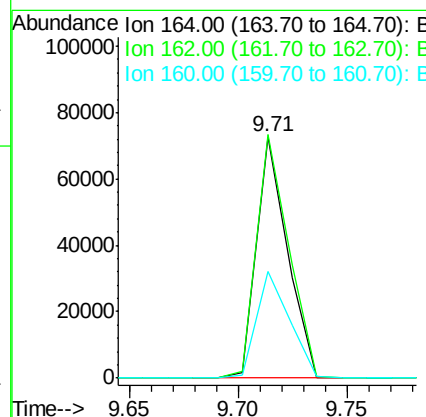
Manual Integrations

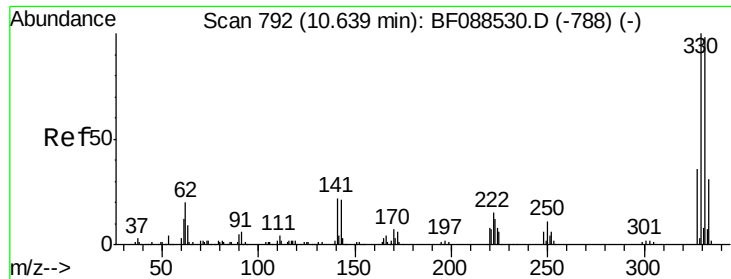
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Tgt Ion	164	Resp	71657
Ion Ratio	100	Lower	Upper
164	100		
162	101.0	85.4	128.2
160	44.4	39.5	59.3





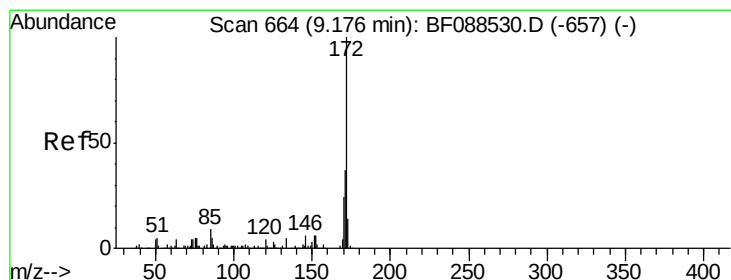
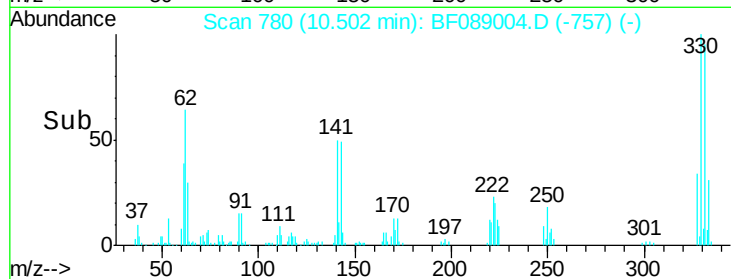
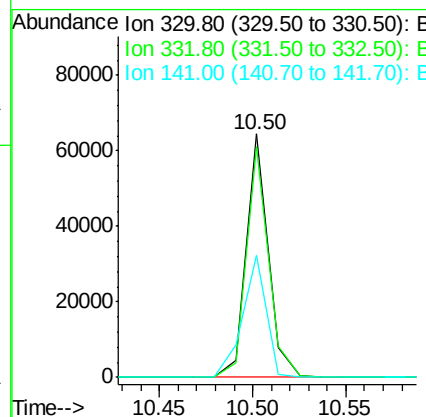
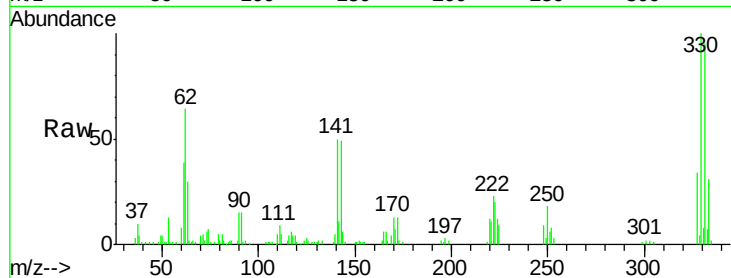
#41
 2,4,6-Tribromophenol
 Concen: 79.77 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS05(0-2in)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	53.8	0.0	0.0#

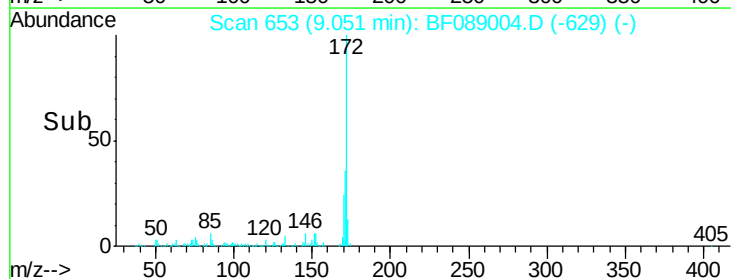
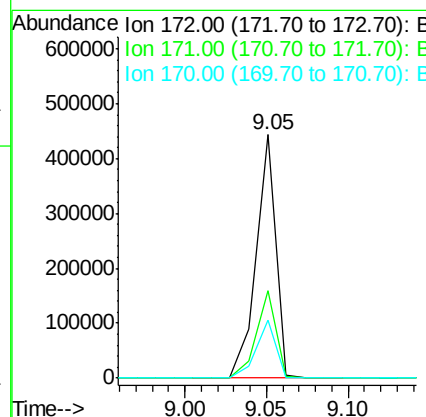
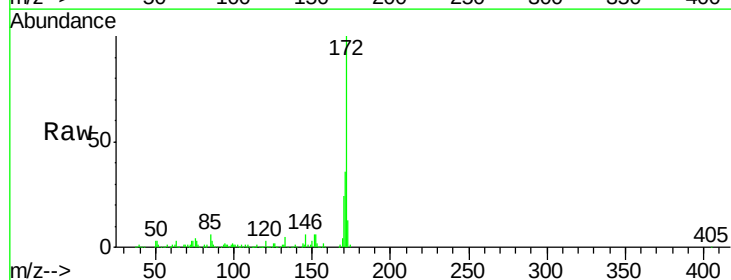
Manual Integrations

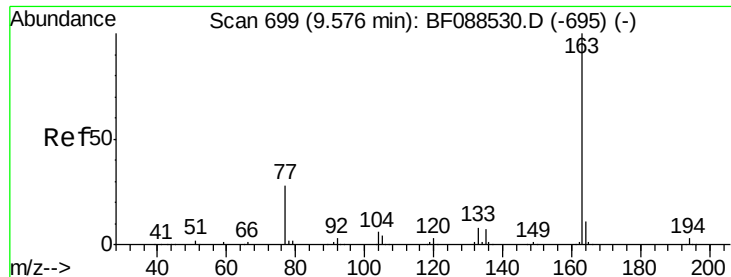
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#44
 2-Fluorobiphenyl
 Concen: 81.87 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.7	19.2	28.8





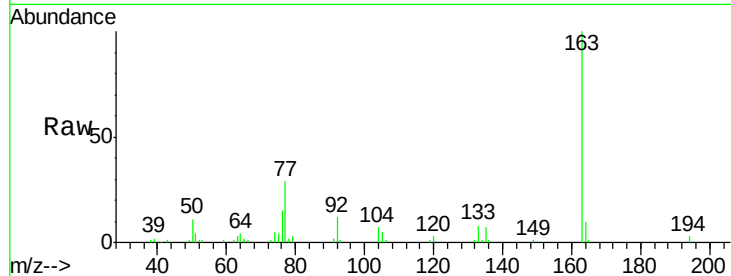
#49
Dimethylphthalate
Concen: 13.44 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

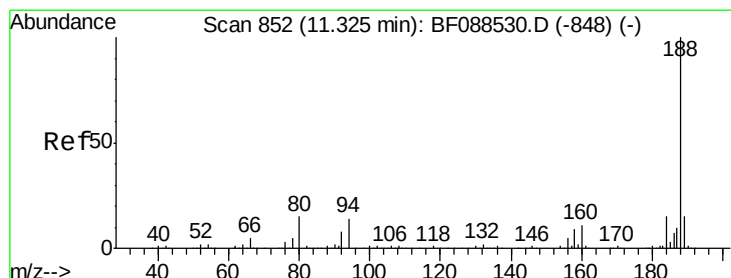
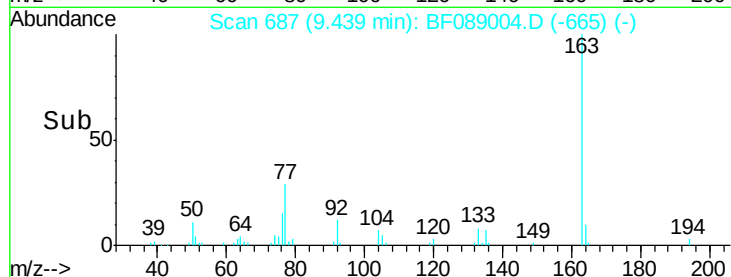
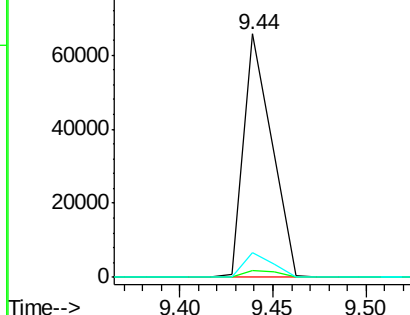
Tot Ion:163 Resp: 68588
Ion Ratio Lower Upper
163 100
194 2.7 2.8 4.2#
164 10.4 8.3 12.5

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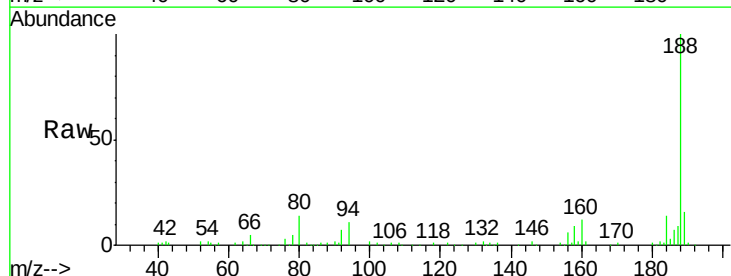


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

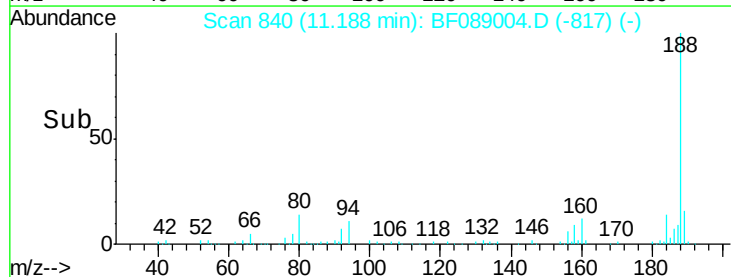
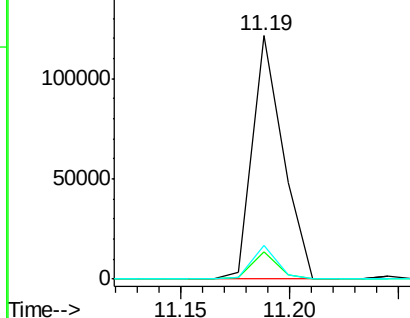


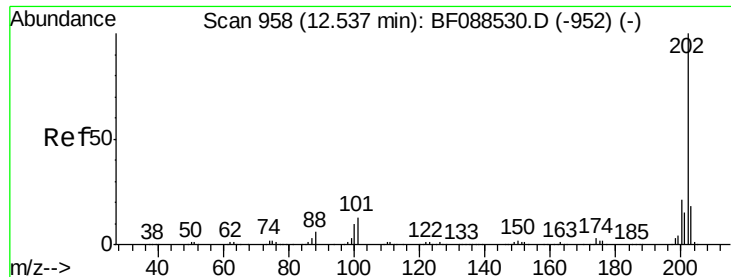
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion:188 Resp: 118773
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.6
80 14.0 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





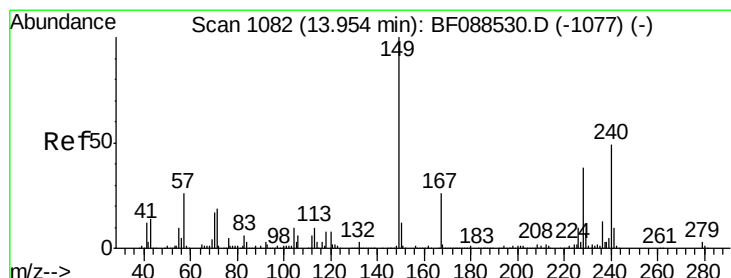
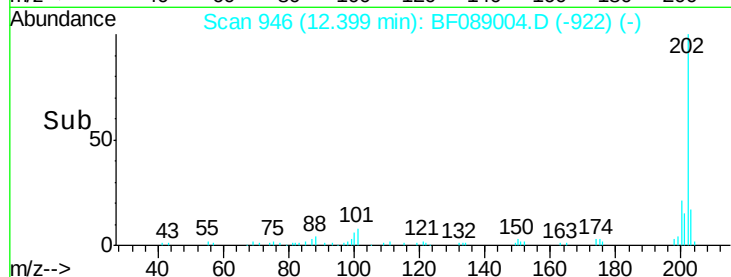
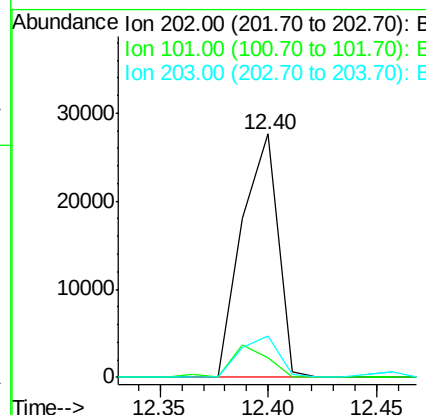
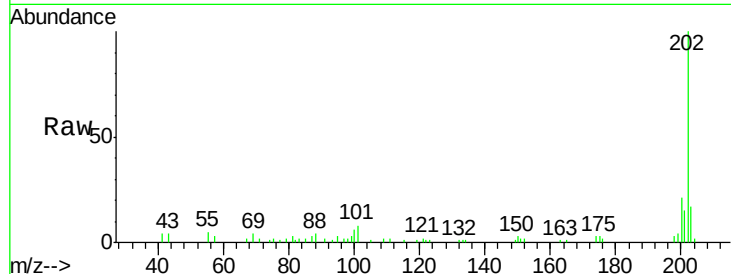
#74
Fluoranthene
 Concen: 4.84 ng
 RT: 12.40 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS05(0-2in)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.0	0.0	33.1
203	16.9	0.0	38.1

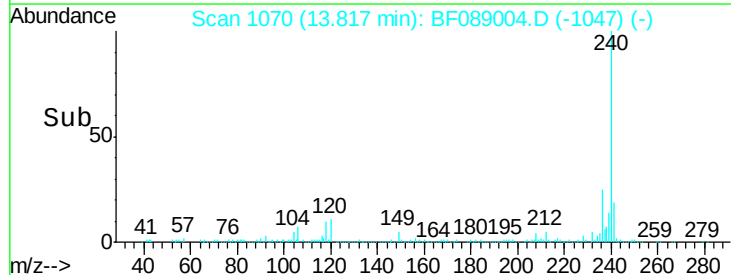
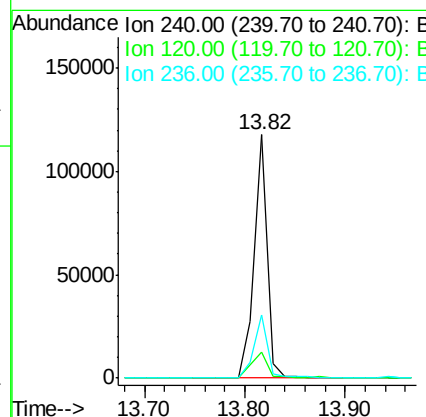
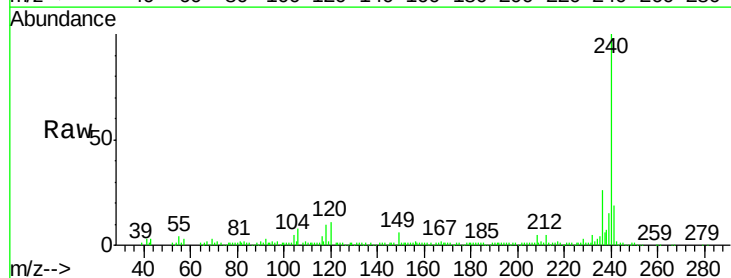
Manual Integrations

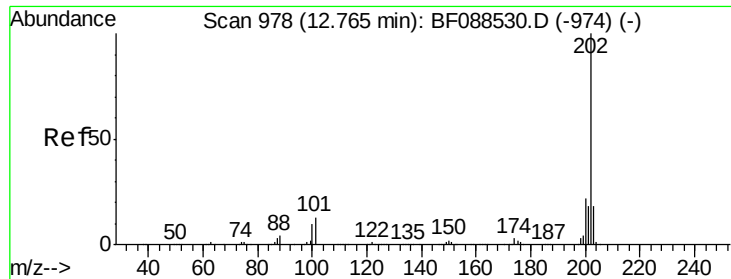
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.03 min
 Lab File: BF089004.D
 Acq: 15 Jul 2016 00:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.9	6.8	10.2#
236	25.8	20.2	30.2





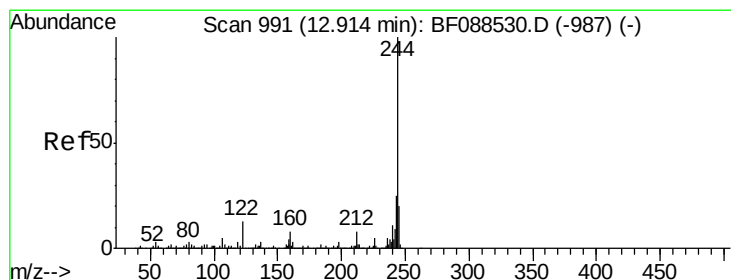
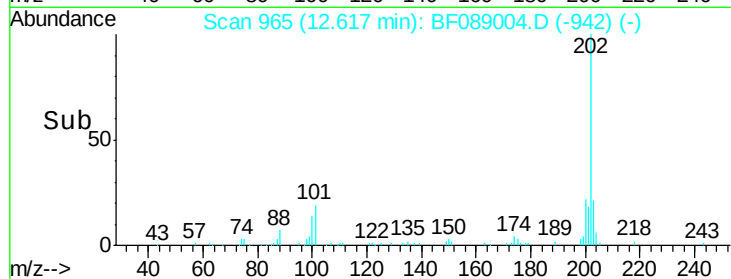
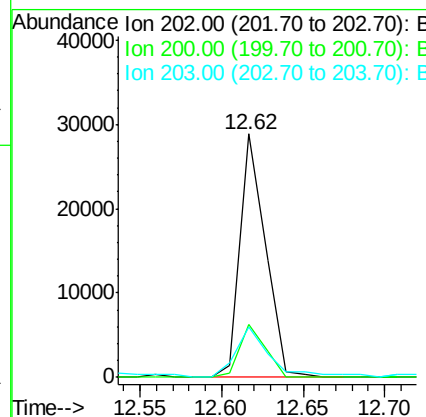
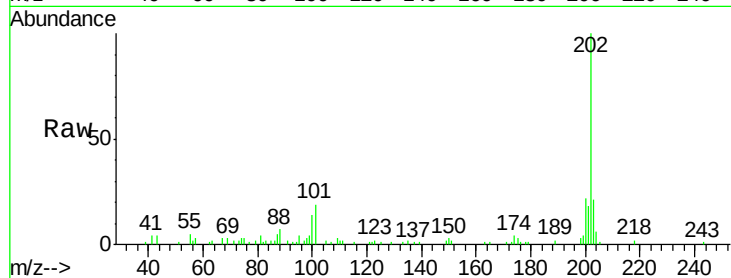
#77
Pvrene
Concen: 3.42 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

Tot Ion:	202	Resp:	30964
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	20.8	14.5	21.7

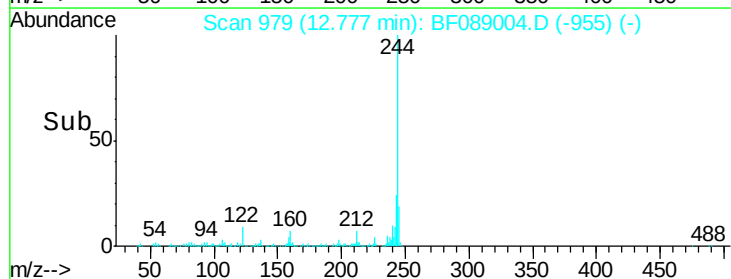
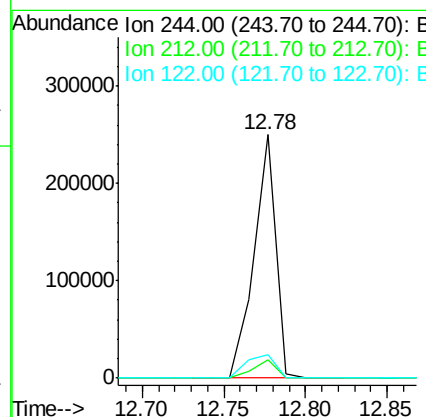
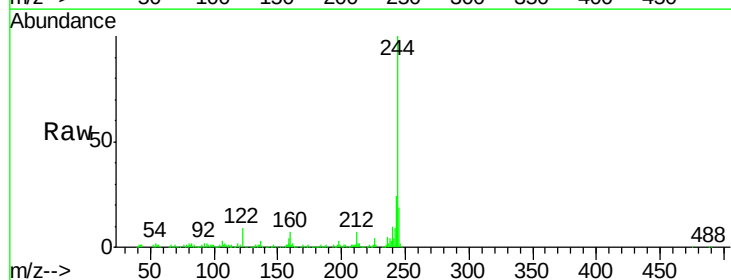
Manual Integrations

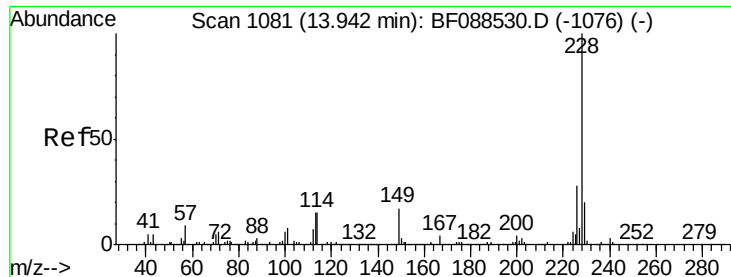
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#78
Terphenyl-d14
Concen: 48.03 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion:	244	Resp:	230413
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	9.4	11.2	16.8#





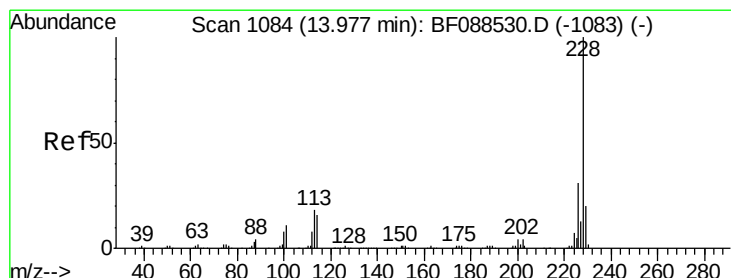
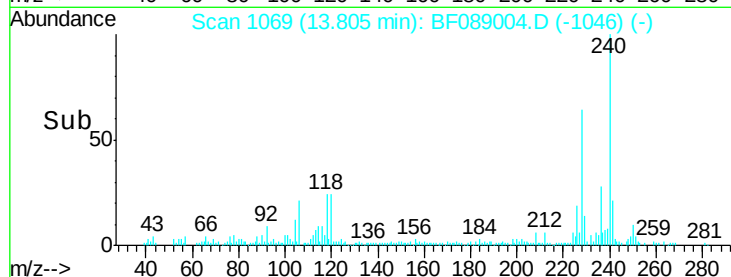
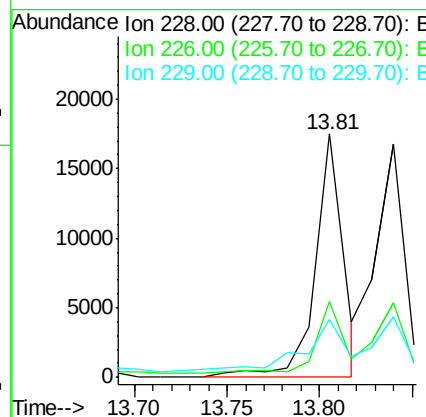
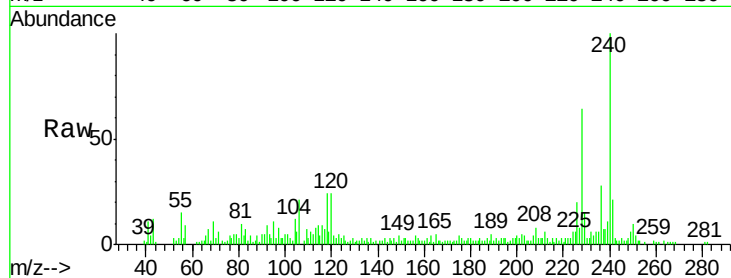
#80
Benzo(a)anthracene
Concen: 2.69 ng m
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.4	22.3	33.5	
229	23.8	16.0	24.0	

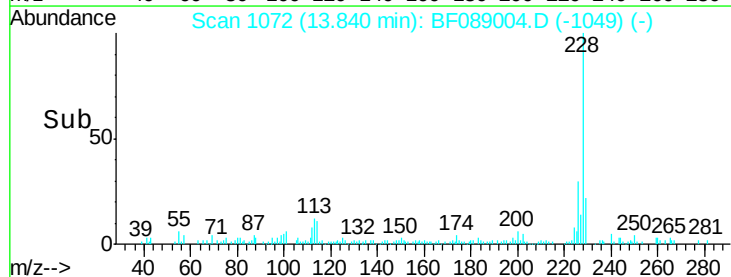
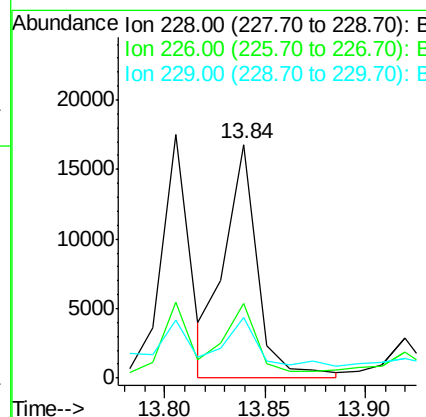
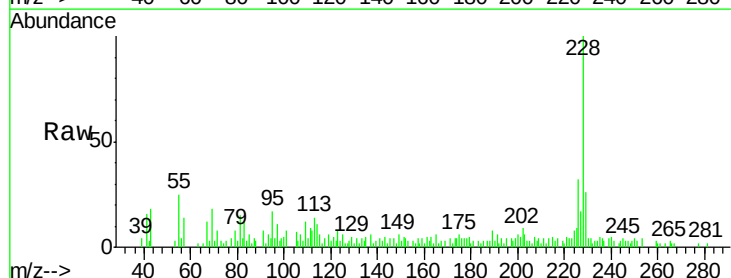
Manual Integrations

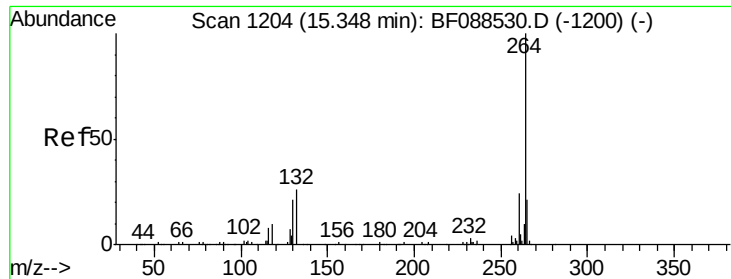
APPROVED
Sohil
7/15/2016 9:16:35 AM



#82
Chrysene
Concen: 2.80 ng m
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.9	25.4	38.2	
229	26.2	16.3	24.5	





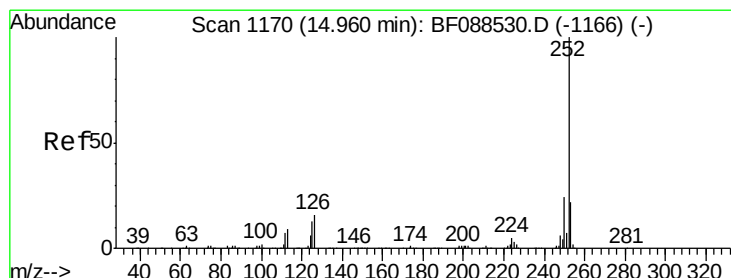
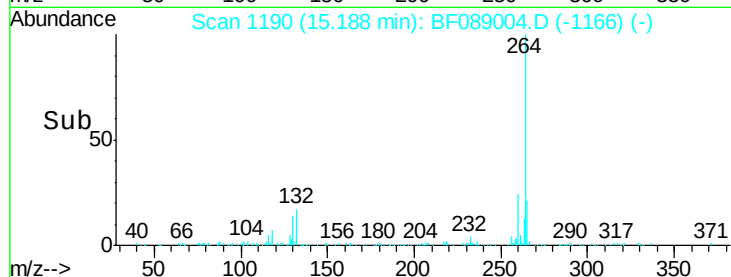
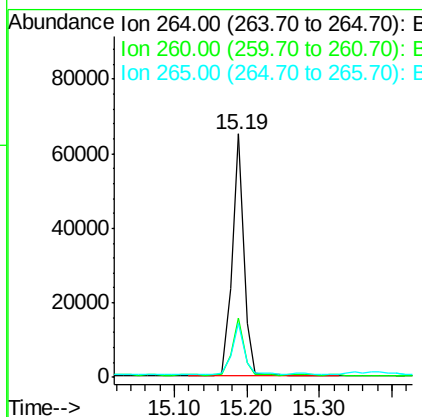
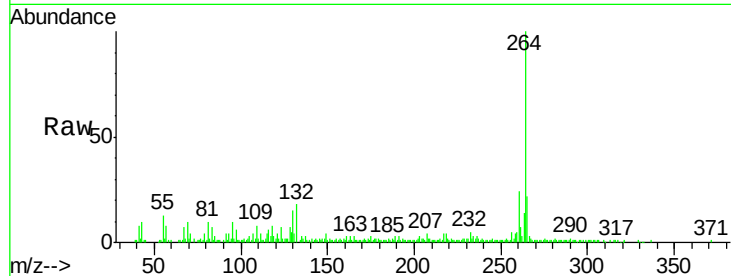
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	16.9	25.3

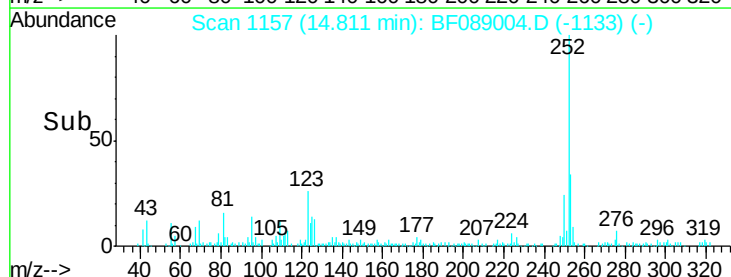
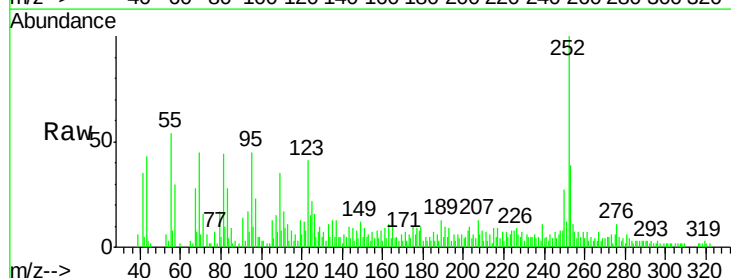
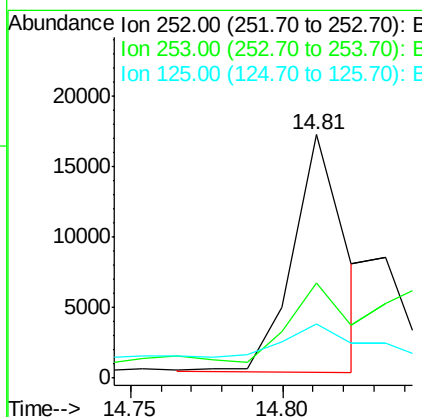
Manual Integrations

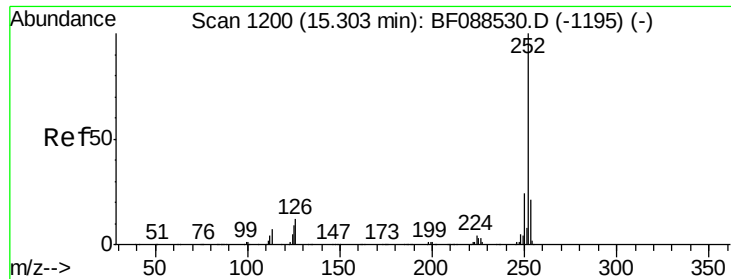
APPROVED
Sohil
7/15/2016 9:16:35 AM



#87
Benzo(b)fluoranthene
Concen: 4.42 ng m
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.3	17.4	26.2#
125	22.2	7.1	10.7#





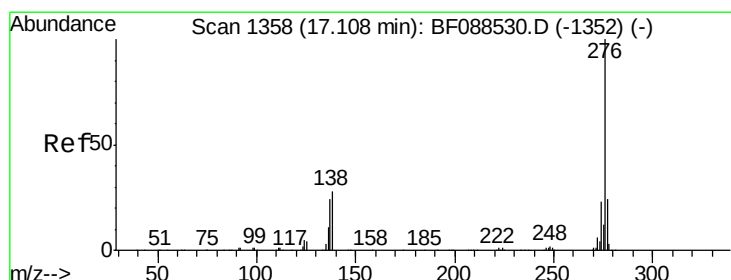
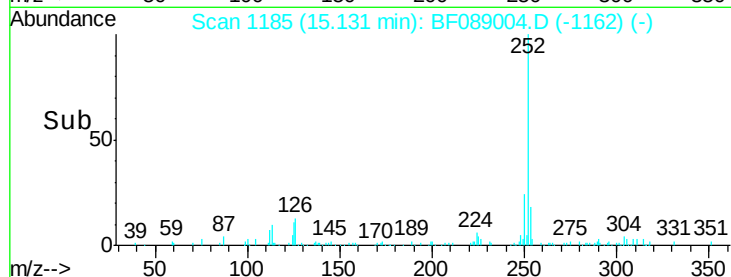
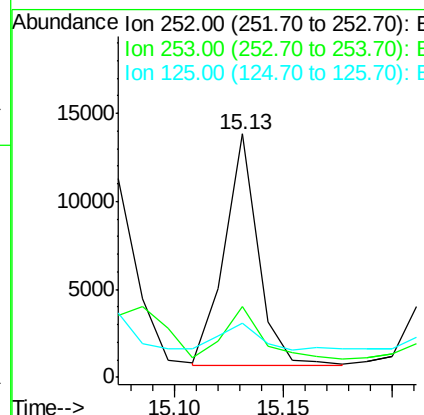
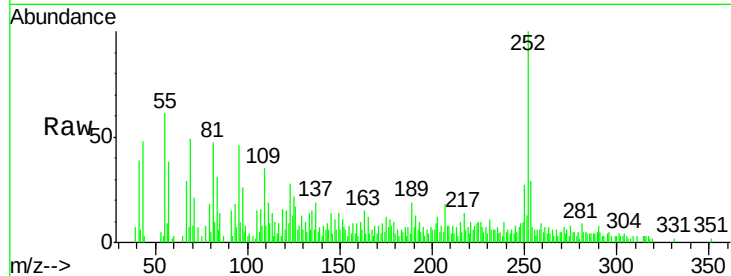
#89
Benzo(a)pyrene
Concen: 3.66 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS05(0-2in)

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.9	26.9#
125	22.5	12.5	18.7#

Manual Integrations

APPROVED
Sohil
7/15/2016 9:16:35 AM



#91
Benzo(g,h,i)perylene
Concen: 2.44 ng
RT: 16.85 min Scan# 1335
Delta R.T. -0.05 min
Lab File: BF089004.D
Acq: 15 Jul 2016 00:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.5	18.9	28.3#
138	38.0	21.4	32.2#

