

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093248.D
 Acq On : 28 Feb 2017 15:04
 Operator : SJ/MA
 Sample : I2000-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOUTH(0-2)

Manual Integrations
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 3/1/2017 4:06:02 PM

Quant Time: Mar 01 07:57:57 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140830	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	506842	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	240446	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	365830	20.00	ng	-0.05
75) Chrysene-d12	13.96	240	286744	20.00	ng	-0.06
86) Perylene-d12	15.39	264	292722	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	977173	119.04	ng	-0.03
7) Phenol-d6	6.46	99	1304677	123.53	ng	-0.02
23) Nitrobenzene-d5	7.38	82	792533	87.08	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	179939	103.47	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1219890	91.91	ng	-0.05
78) Terphenyl-d14	12.91	244	734502	60.19	ng	-0.06
Target Compounds						Qvalue
10) Phenol	6.48	94	49847	4.03	ng	# 74
37) 2-Methylnaphthalene	8.81	142	58975	3.57	ng	96
49) Dimethylphthalate	9.56	163	92364	5.70	ng	# 97
51) Acenaphthene	9.88	154	42927	3.05	ng	# 85
70) Phenanthrene	11.36	178	95950	4.58	ng	96
74) Fluoranthene	12.55	202	116474	5.39	ng	92
77) Pyrene	12.77	202	105549	4.92	ng	98
80) Benzo(a)anthracene	13.95	228	45621	2.60	ng	96
82) Chrysene	14.00	228	36767m	2.24	ng	
87) Benzo(b)fluoranthene	14.99	252	44722m	2.32	ng	

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

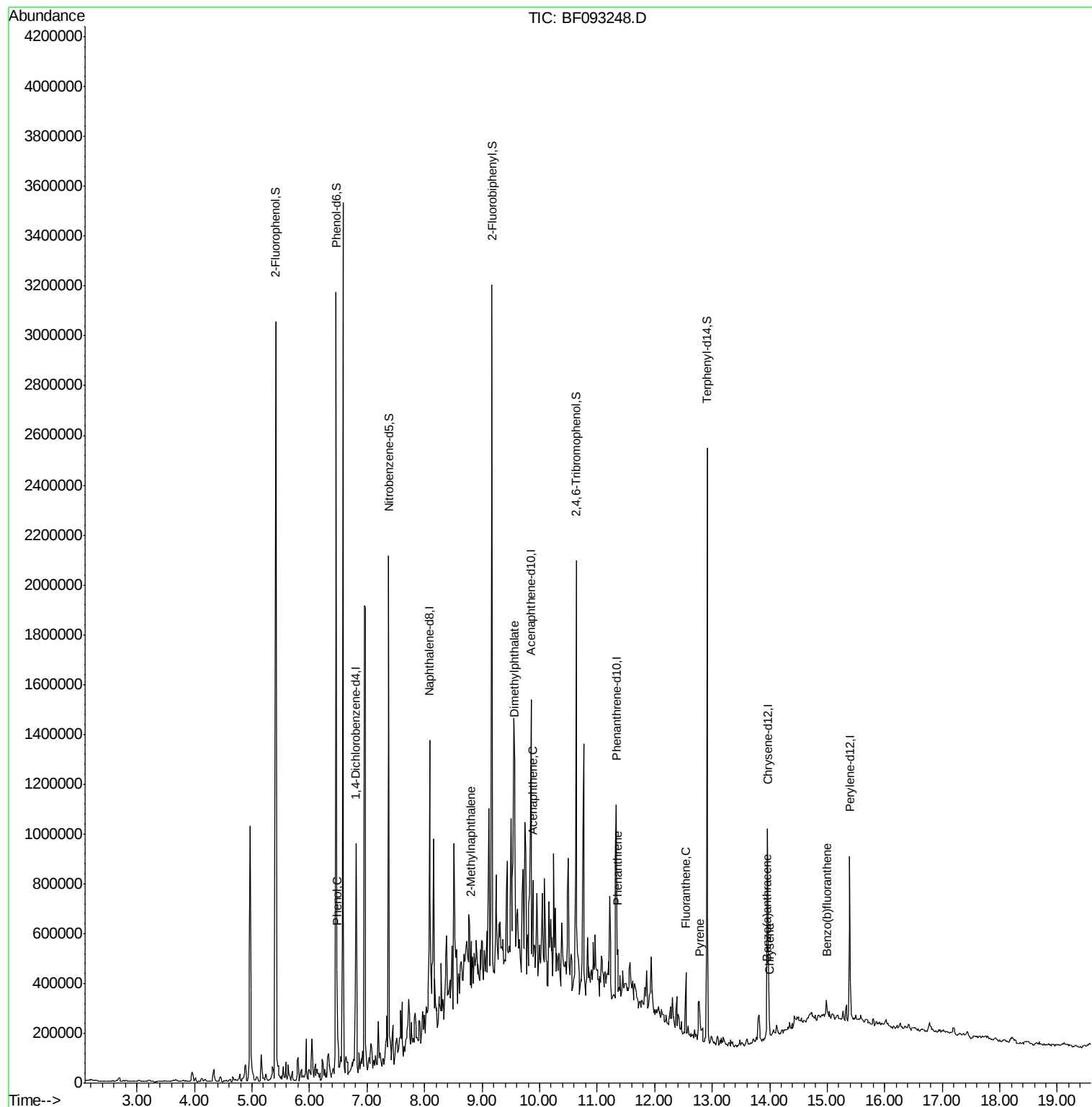
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093248.D
Acq On : 28 Feb 2017 15:04
Operator : SJ/MA
Sample : I2000-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

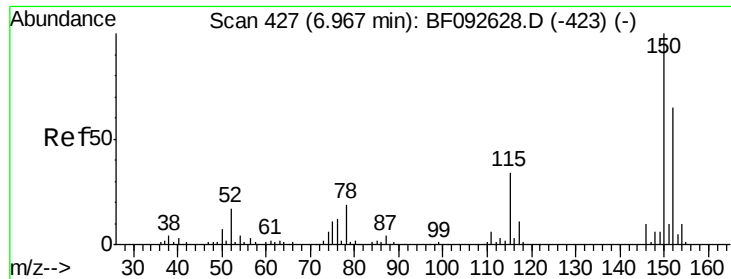
Instrument :
BNA_F
ClientSampleId :
SP-SOUTH(0-2)

Manual Integrations
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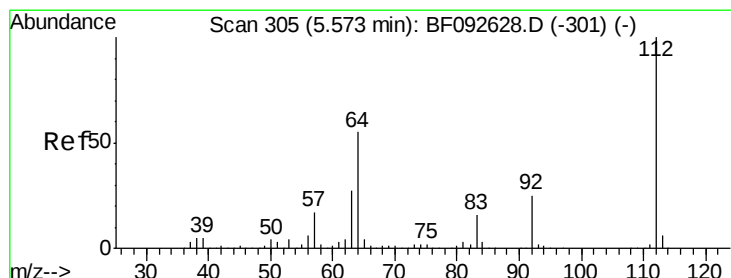
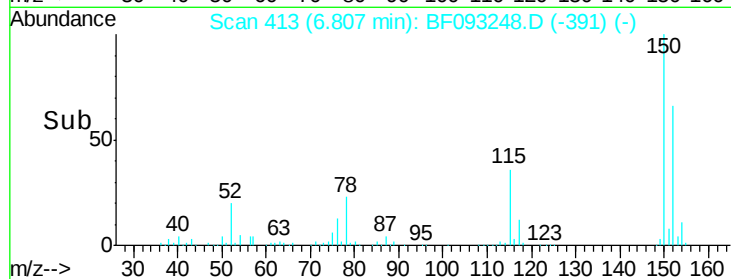
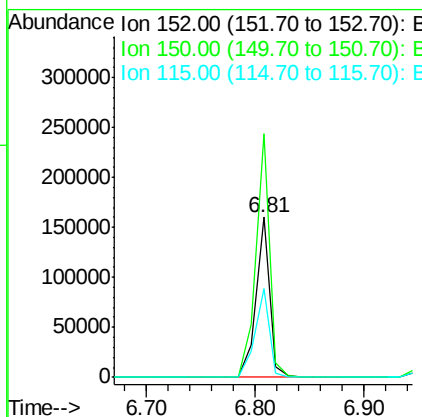
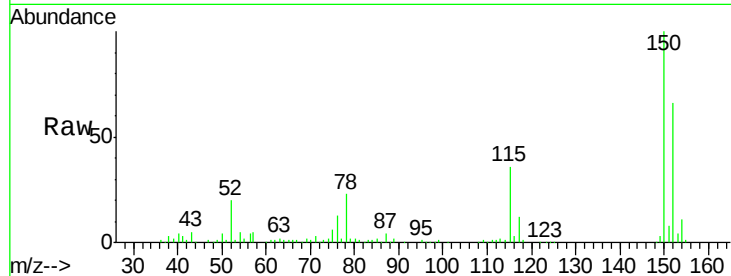
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093248.D
 Acq: 28 Feb 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOUTH(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.9	187.3
115	55.4	46.0	69.0

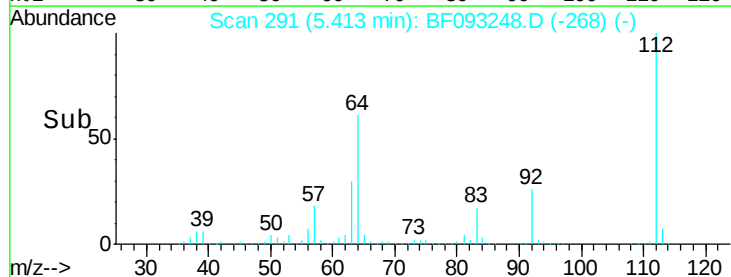
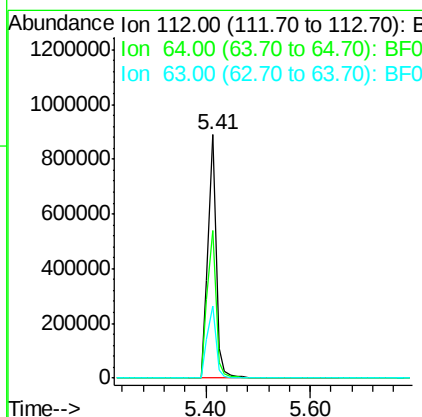
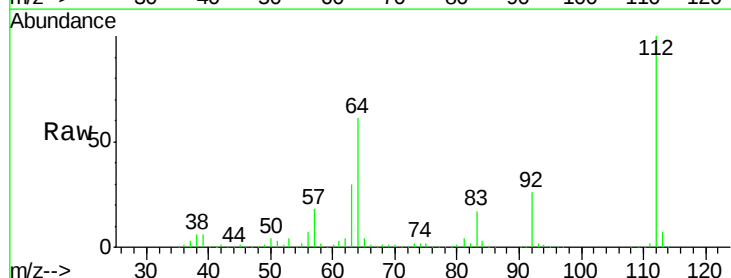
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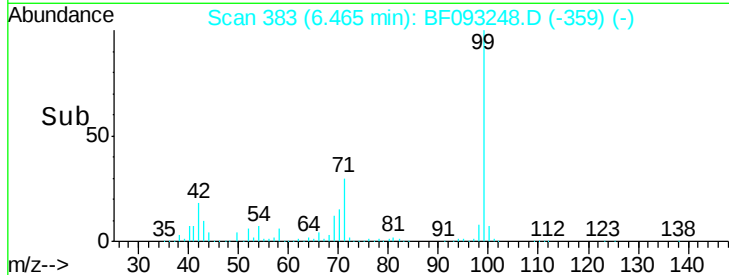
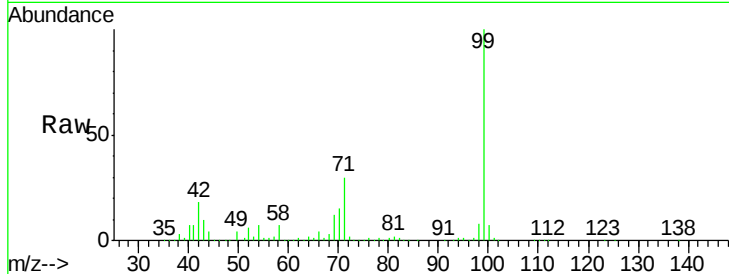
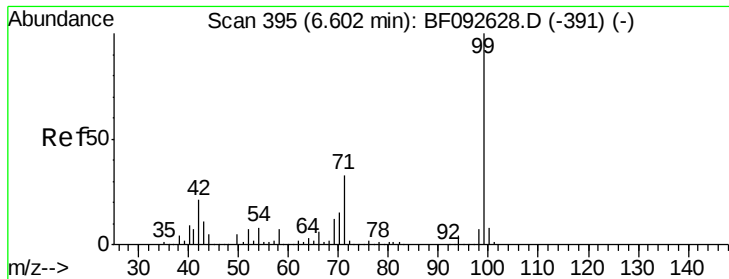
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#5
 2-Fluorophenol
 Concen: 119.04 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093248.D
 Acq: 28 Feb 2017 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	46.1	69.1
63	29.8	23.8	35.6





#7

Phenol-d6

Concen: 123.53 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093248.D

Acq: 28 Feb 2017 15:04

Tgt Ion:	99	Resp:	1304677
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.6	23.4
71	30.4	27.5	41.3

Instrument :

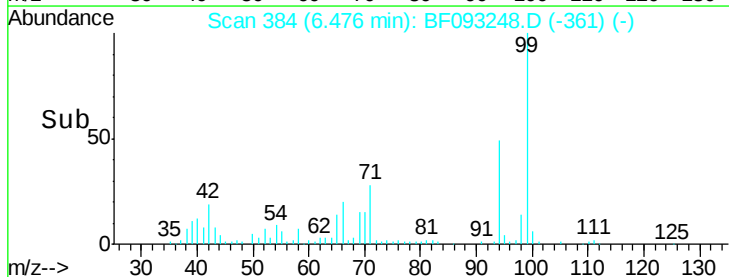
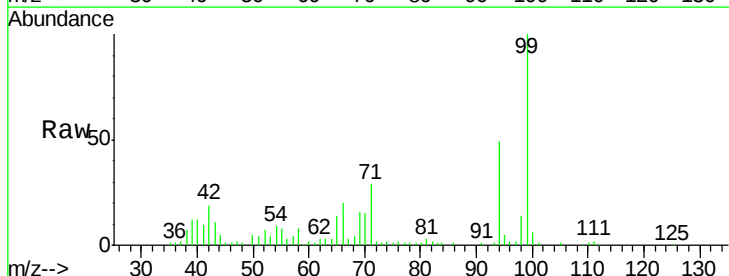
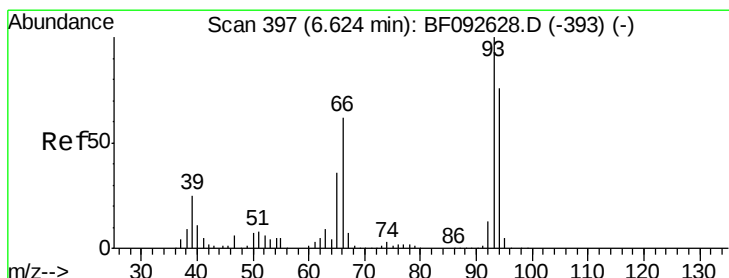
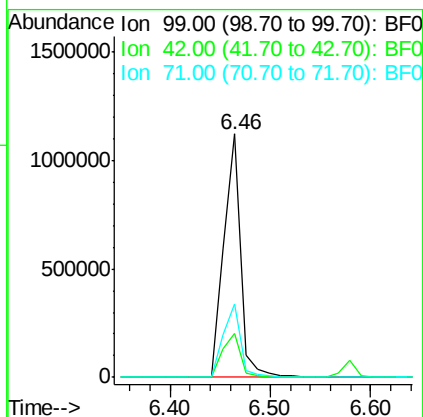
BNA_F

ClientSampleId :

SP-SOUTH(0-2)

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#10

Phenol

Concen: 4.03 ng

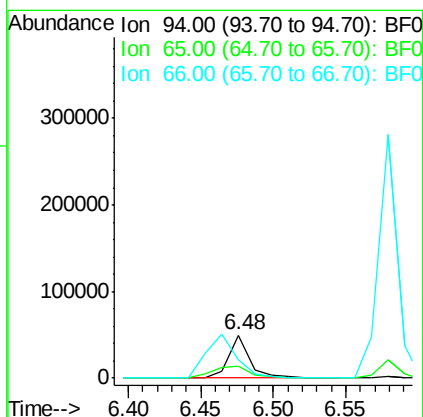
RT: 6.48 min Scan# 384

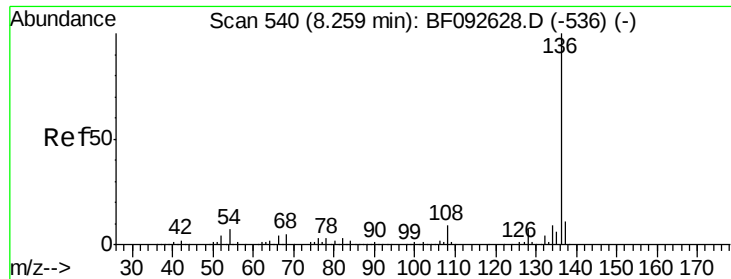
Delta R.T. -0.03 min

Lab File: BF093248.D

Acq: 28 Feb 2017 15:04

Tgt Ion:	94	Resp:	49847
Ion	Ratio	Lower	Upper
94	100		
65	27.7	21.4	61.4
66	41.3	44.0	84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093248.D

Acq: 28 Feb 2017 15:04

Instrument :

BNA_F

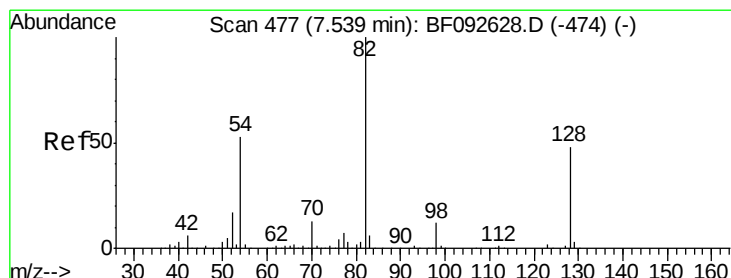
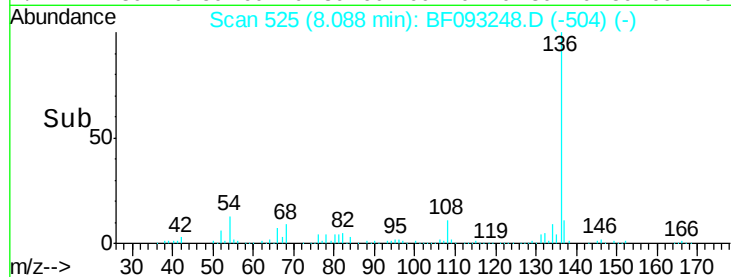
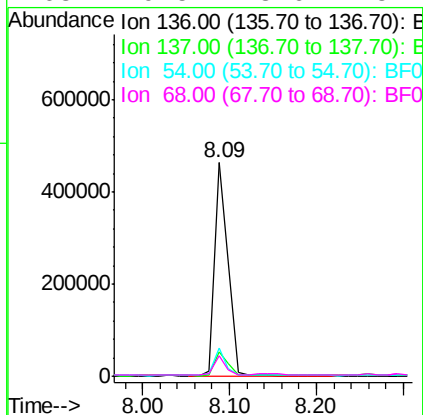
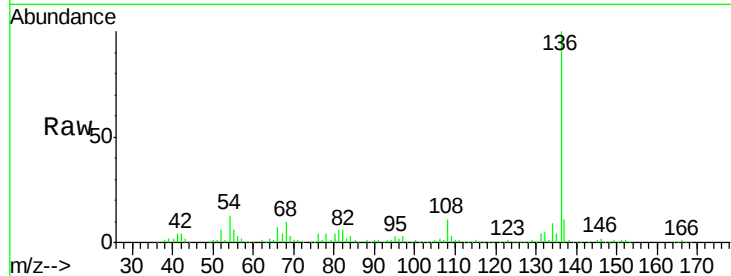
ClientSampleId :

SP-SOUTH(0-2)

Tgt Ion:	136	Resp:	506842
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.4	12.6
54	13.3	4.5	6.7#
68	9.5	3.6	5.4#

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#23

Nitrobenzene-d5

Concen: 87.08 ng

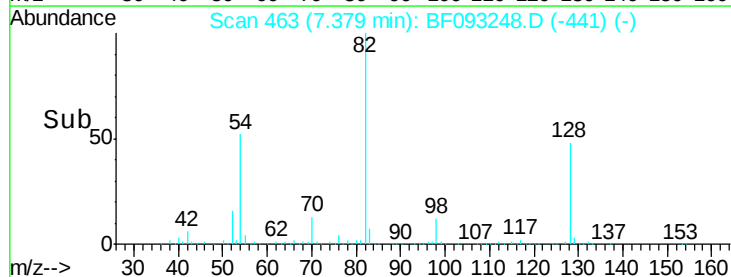
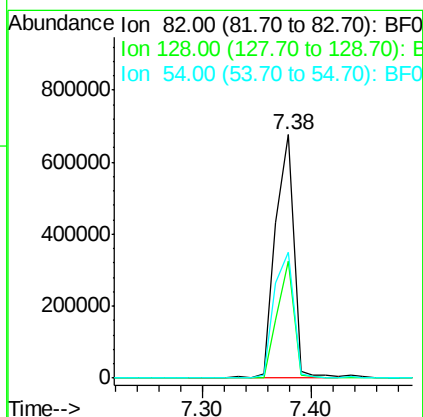
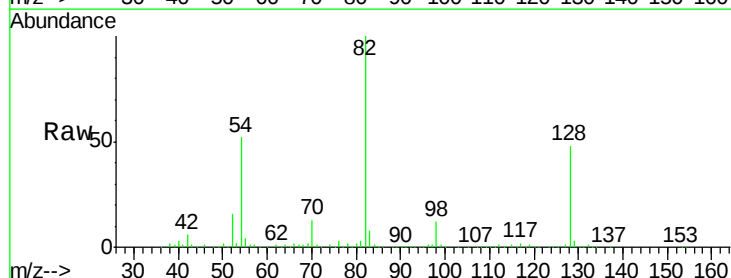
RT: 7.38 min Scan# 463

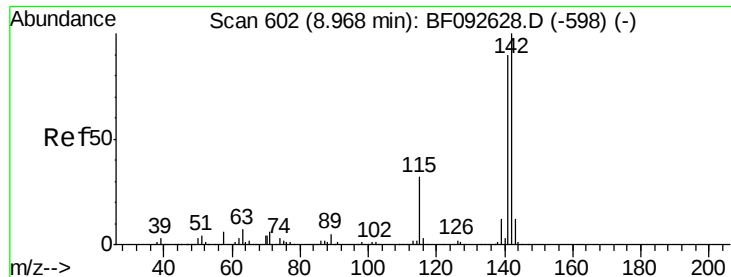
Delta R.T. -0.05 min

Lab File: BF093248.D

Acq: 28 Feb 2017 15:04

Tgt Ion:	82	Resp:	792533
Ion Ratio	Lower	Upper	
82	100		
128	48.3	34.6	52.0
54	51.8	39.5	59.3





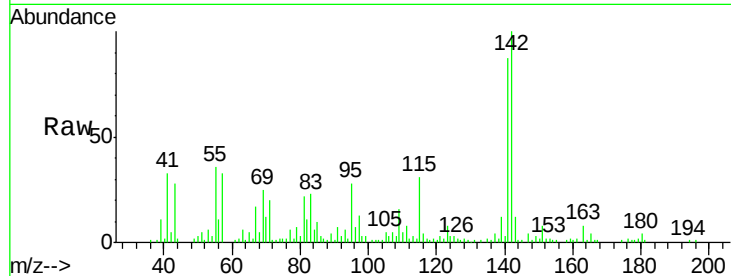
#37
 2-Methylnaphthalene
 Concen: 3.57 ng
 RT: 8.81 min Scan# 588
 Delta R.T. -0.05 min
 Lab File: BF093248.D
 Acq: 28 Feb 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOUTH(0-2)

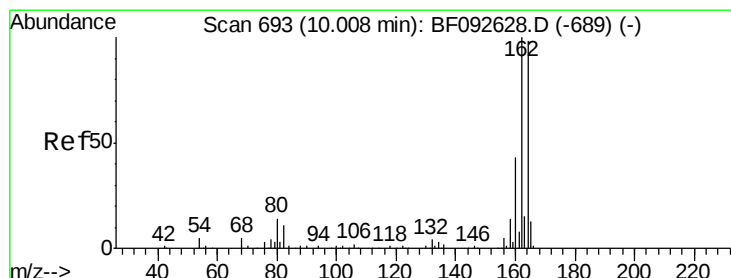
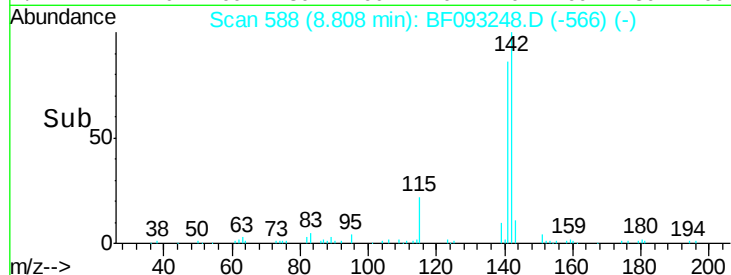
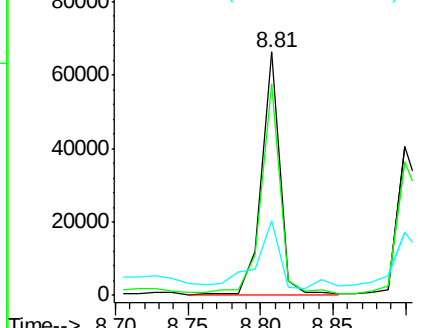
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.0	106.6
115	30.9	28.3	42.5

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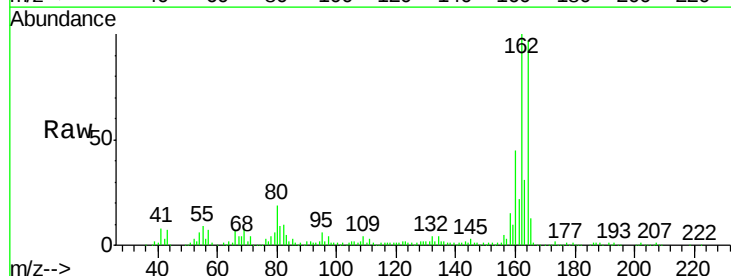


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

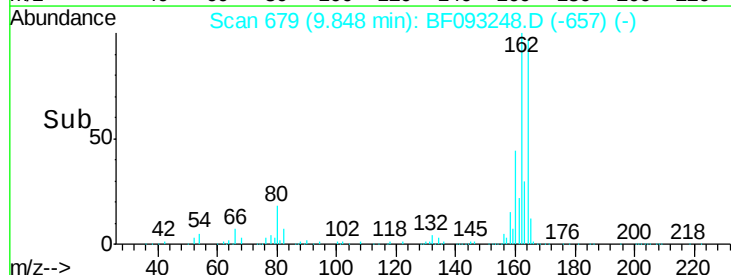
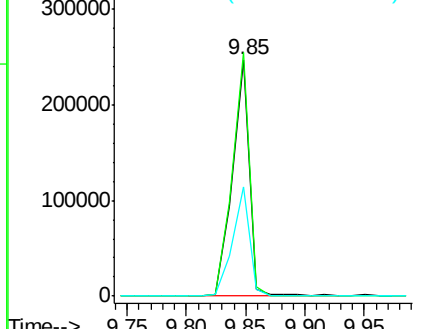


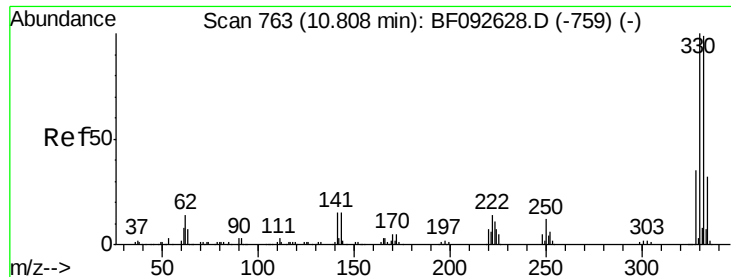
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093248.D
 Acq: 28 Feb 2017 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.2	120.2
160	46.0	36.9	55.3



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





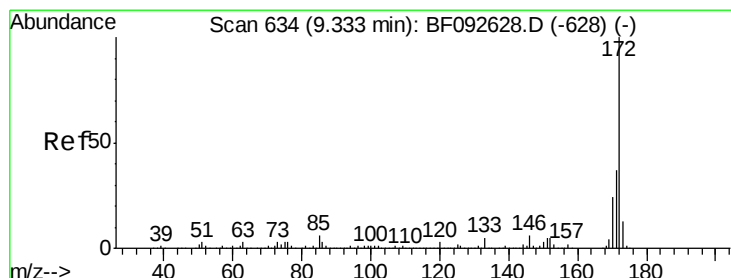
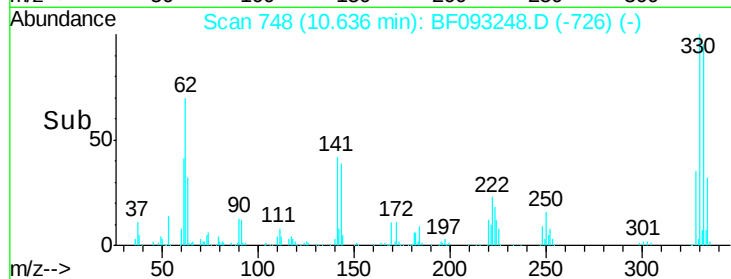
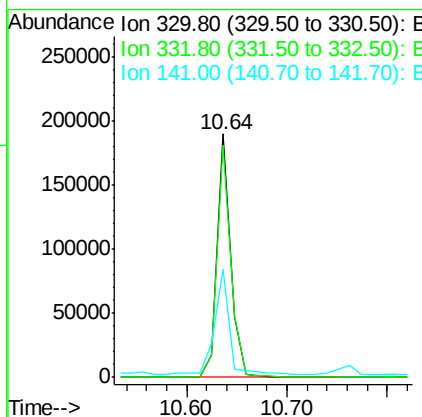
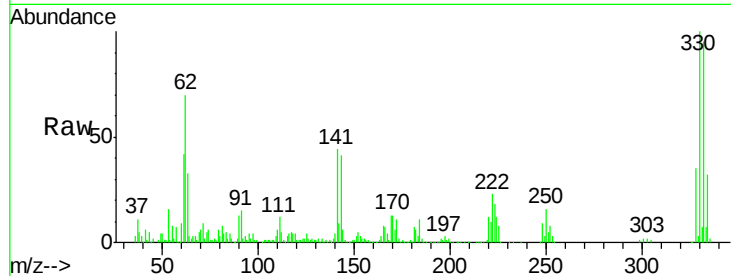
#41
 2,4,6-Tribromophenol
 Concen: 103.47 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093248.D
 Acq: 28 Feb 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOUTH(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	179939		
332	96.7	77.4	116.2	
141	45.8	34.1	51.1	

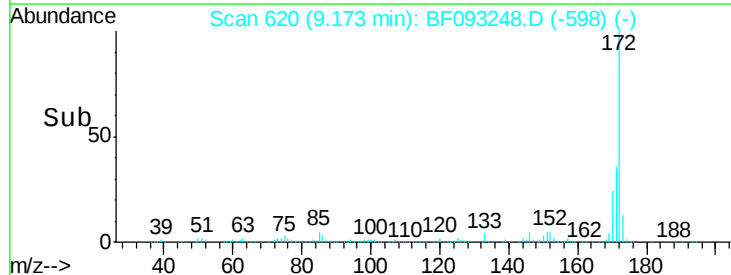
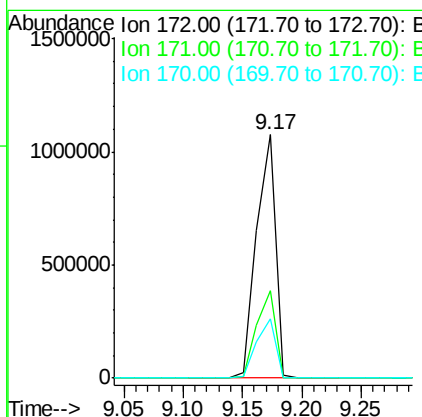
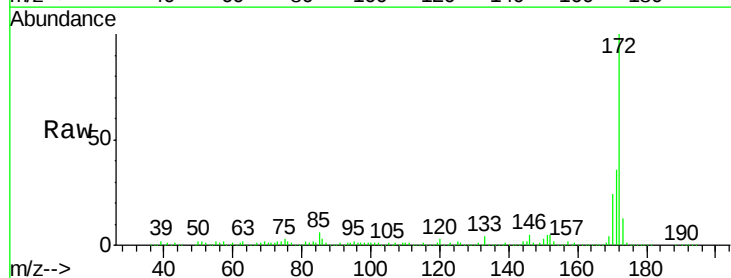
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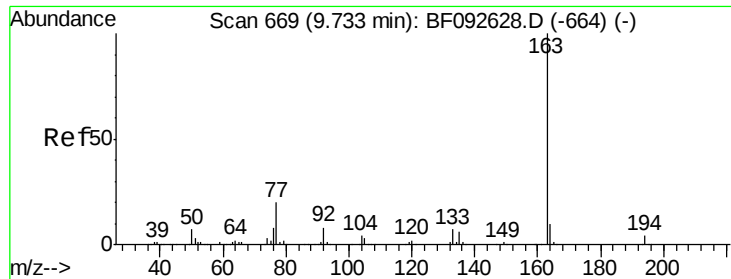
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#44
 2-Fluorobiphenyl
 Concen: 91.91 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093248.D
 Acq: 28 Feb 2017 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1219890		
171	35.7	29.4	44.0	
170	24.4	20.2	30.4	





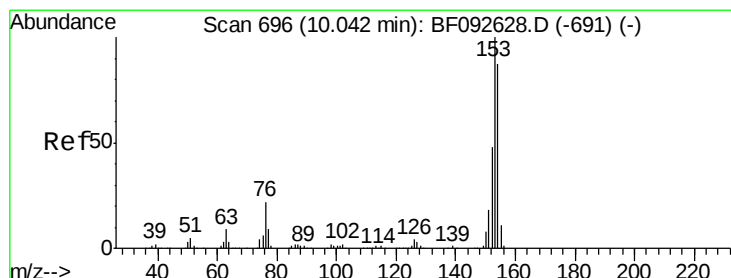
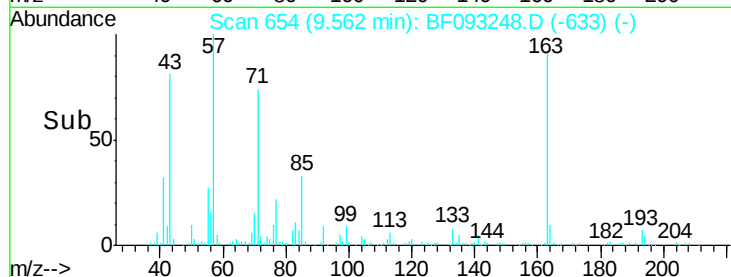
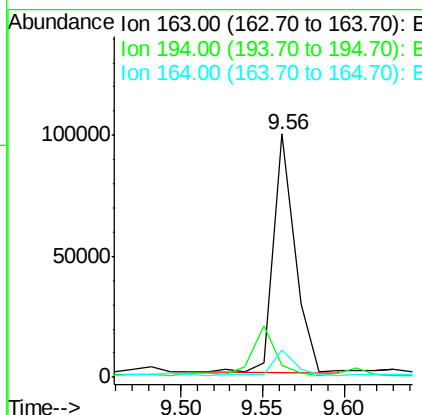
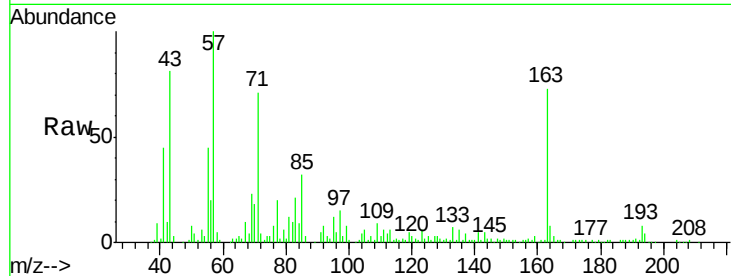
#49
Dimethylphthalate
Concen: 5.70 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Instrument :
BNA_F
ClientSampleId :
SP-SOUTH(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	92364		
194	5.1	3.0	4.4#	
164	11.1	8.0	12.0	

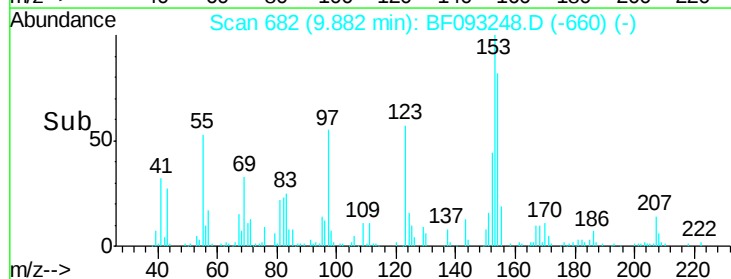
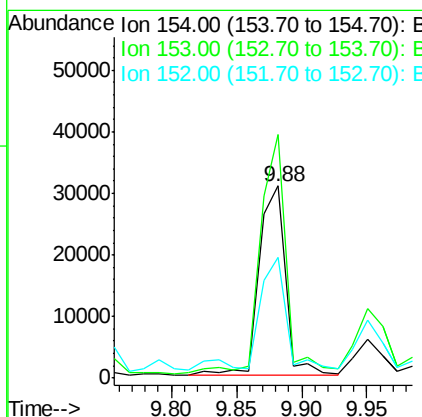
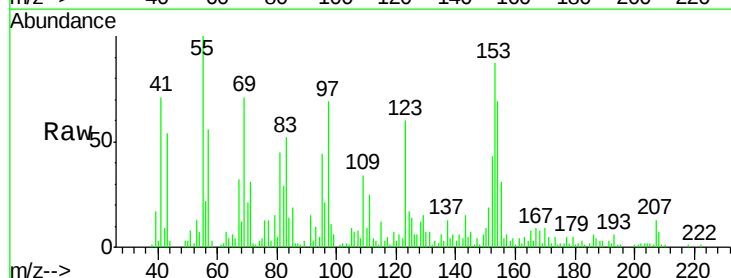
Manual Integrations
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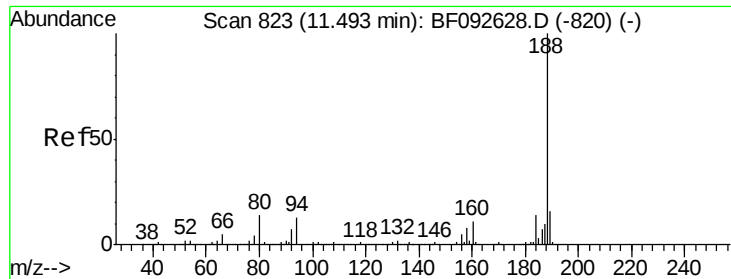
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#51
Acenaphthene
Concen: 3.05 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42927		
153	126.7	88.6	133.0	
152	63.0	41.6	62.4#	





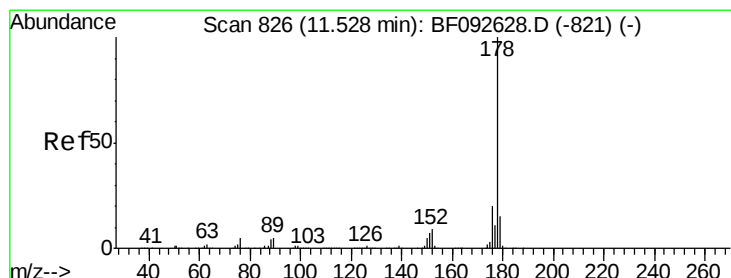
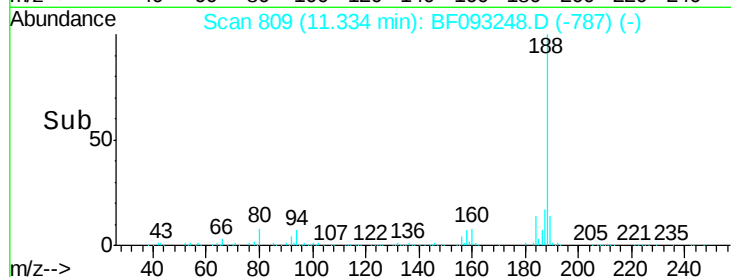
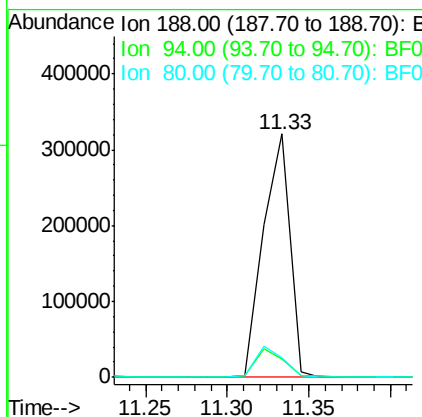
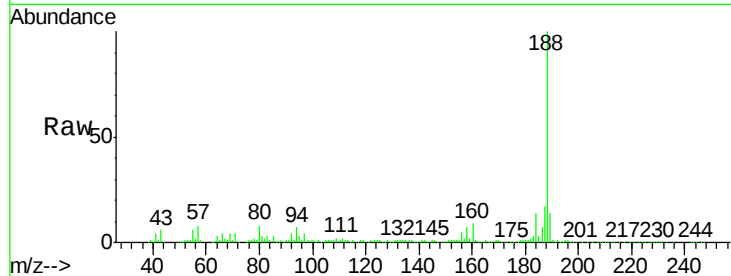
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Instrument :
BNA_F
ClientSampleId :
SP-SOUTH(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	365830		
94	7.5	10.0	15.0#	
80	7.8	11.2	16.8#	

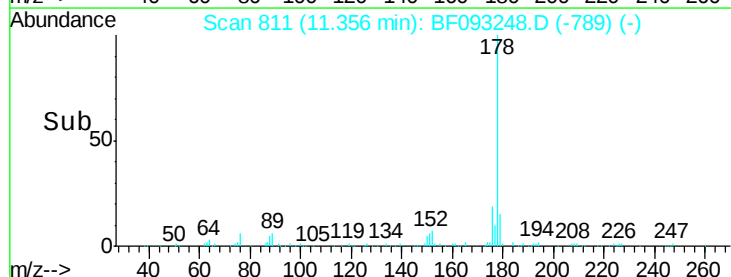
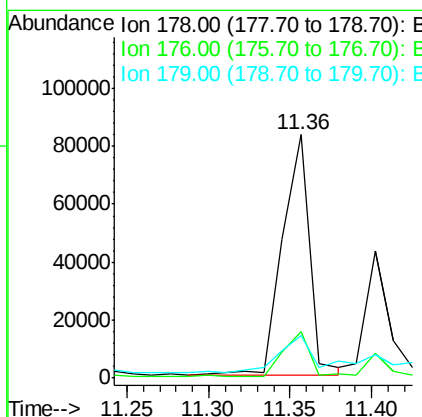
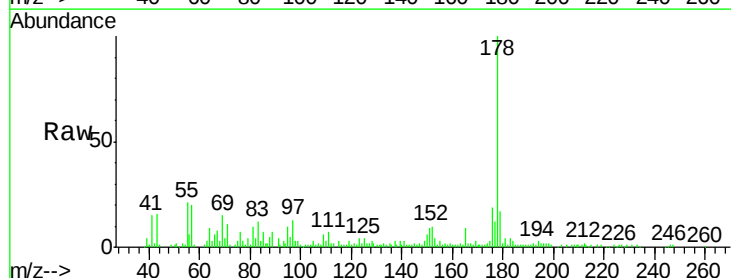
Manual Integrations
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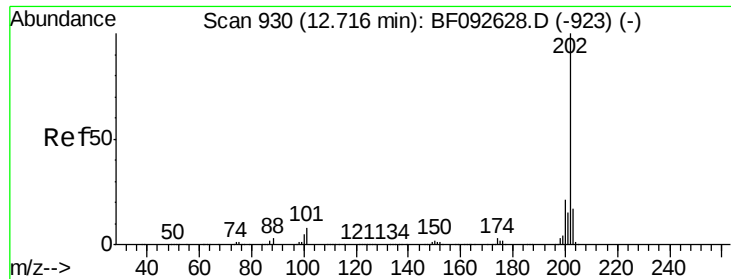
mohammad
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#70
Phenanthrene
Concen: 4.58 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	95950		
176	18.9	16.6	25.0	
179	17.4	12.8	19.2	





#74

Fluoranthene

Concen: 5.39 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093248.D

Acq: 28 Feb 2017 15:04

Instrument :

BNA_F

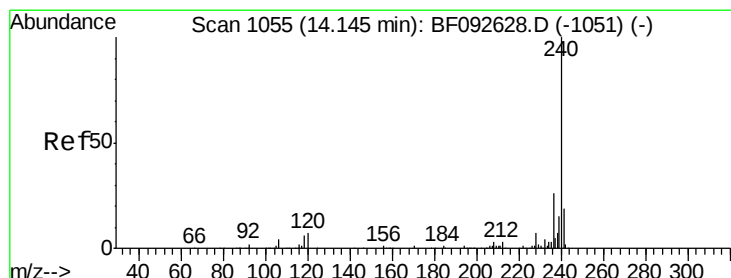
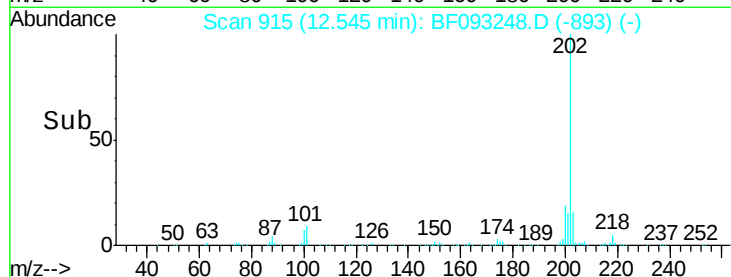
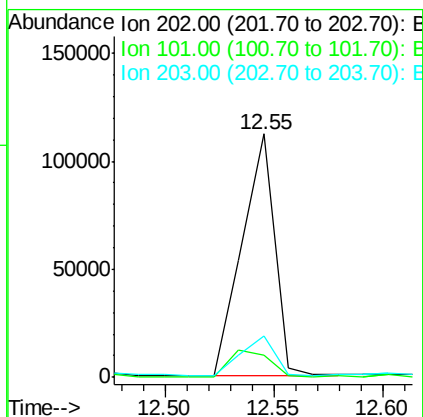
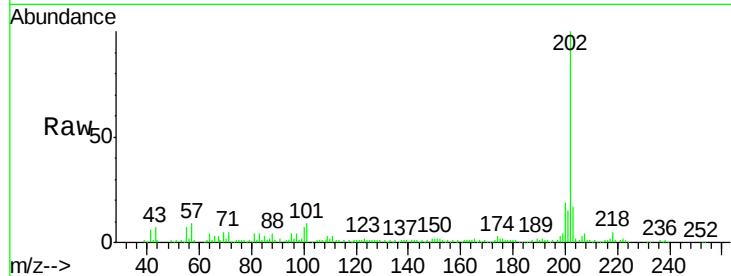
ClientSampleId :

SP-SOUTH(0-2)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		116474		
101	9.1	0.0	34.6		
203	16.9	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

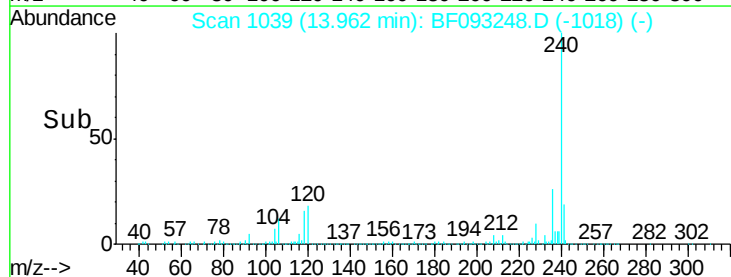
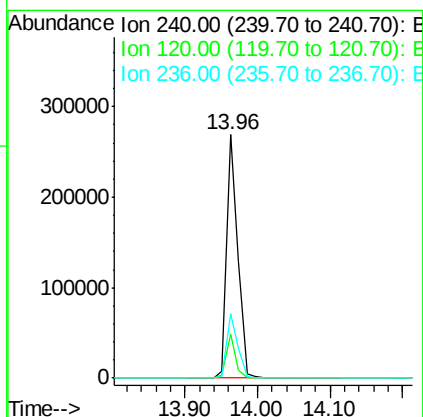
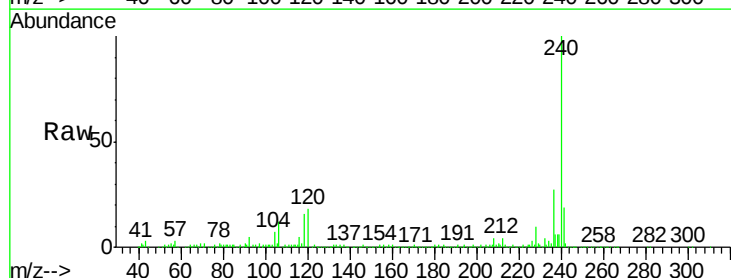
RT: 13.96 min Scan# 1039

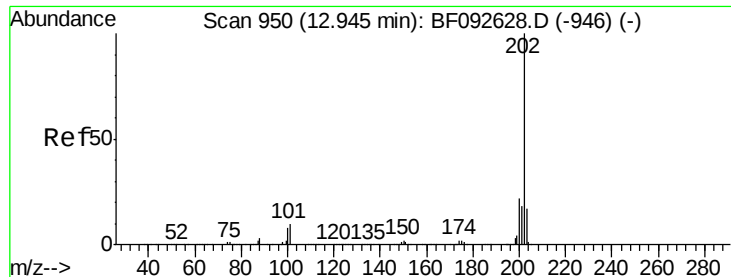
Delta R.T. -0.06 min

Lab File: BF093248.D

Acq: 28 Feb 2017 15:04

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		286744		
120	18.0	12.9	19.3		
236	26.6	20.9	31.3		





#77

Pyrene

Concen: 4.92 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093248.D

Acq: 28 Feb 2017 15:04

Instrument :

BNA_F

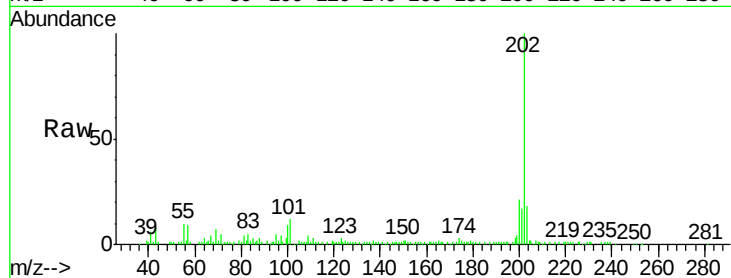
ClientSampleId :

SP-SOUTH(0-2)

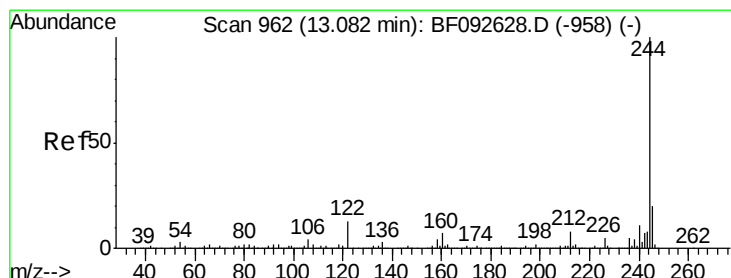
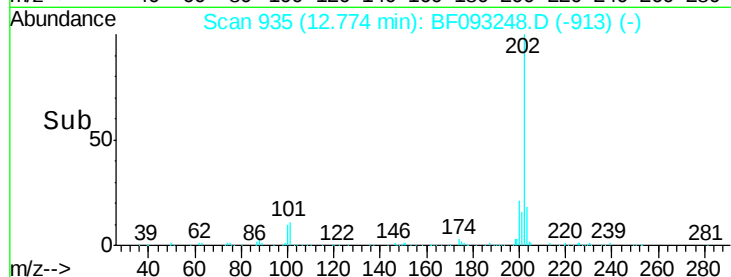
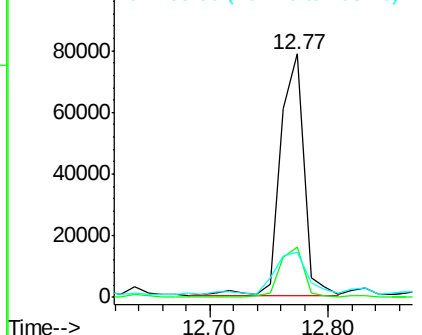
Tgt Ion:	202	Resp:	105549
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.7	26.5
203	18.3	14.7	22.1

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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: 60.19 ng

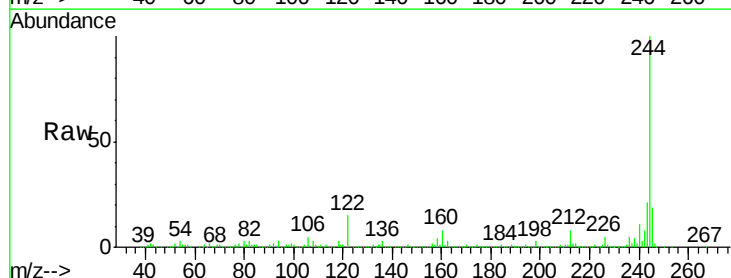
RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

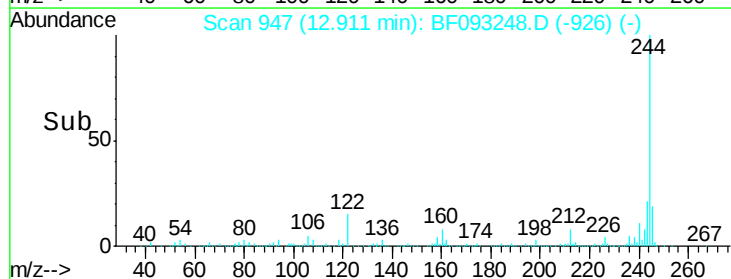
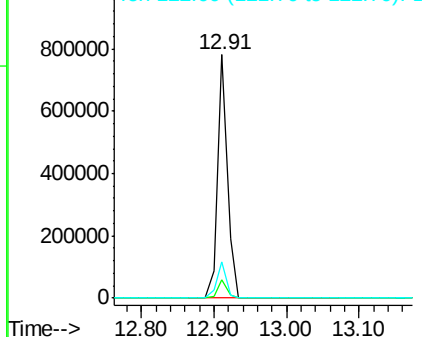
Lab File: BF093248.D

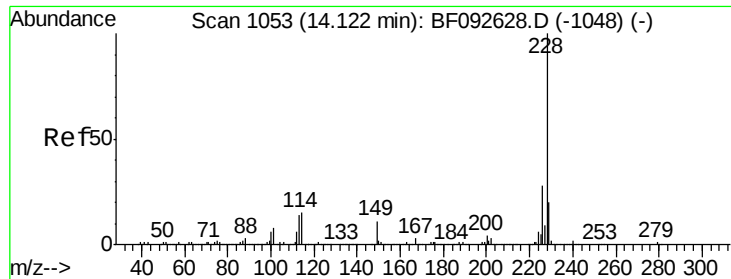
Acq: 28 Feb 2017 15:04

Tgt Ion:	244	Resp:	734502
Ion Ratio		Lower	Upper
244	100		
212	7.6	6.2	9.2
122	14.9	11.4	17.2



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





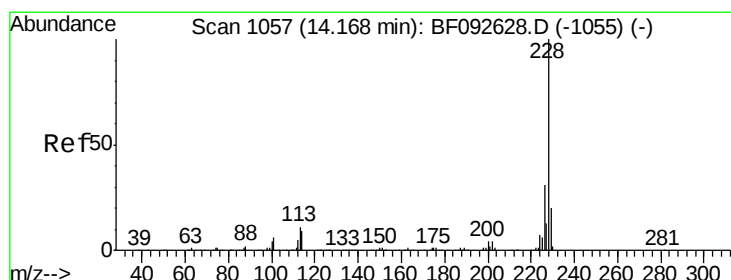
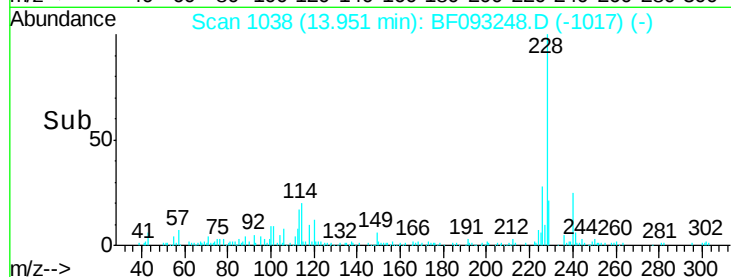
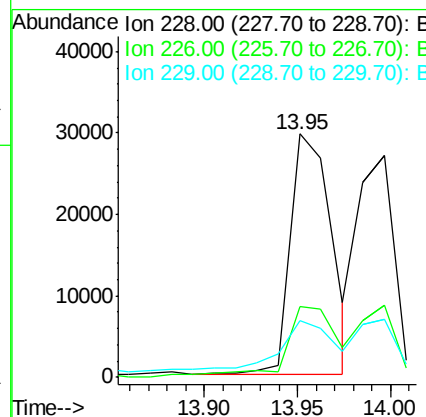
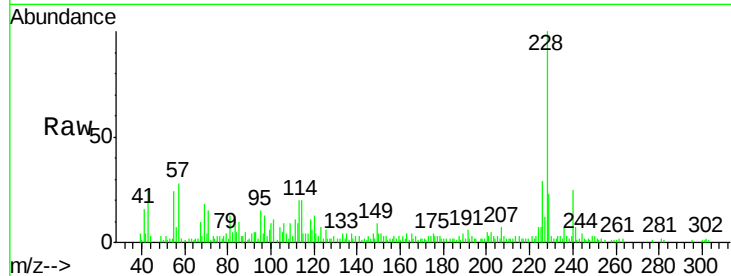
#80
Benzo(a)anthracene
Concen: 2.60 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.06 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Instrument :
BNA_F
ClientSampleId :
SP-SOUTH(0-2)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.4	33.6
229	23.4	16.2	24.4

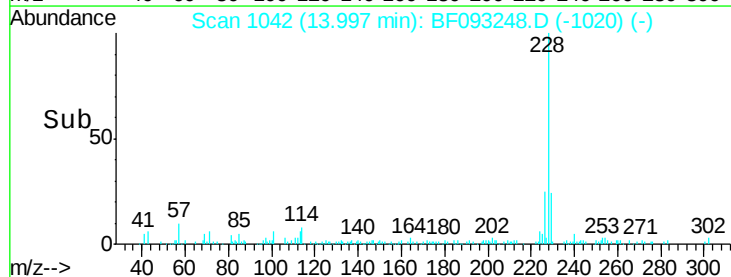
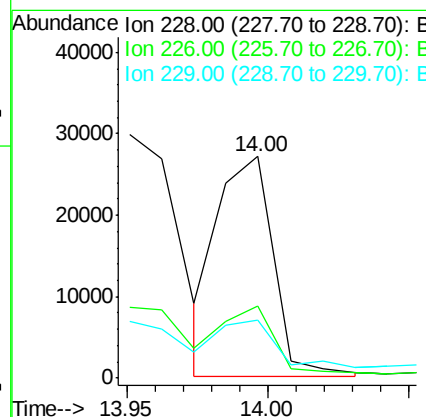
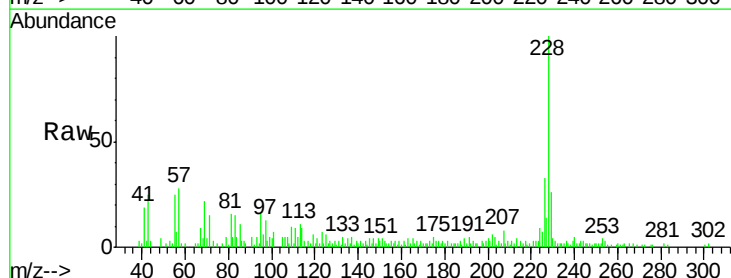
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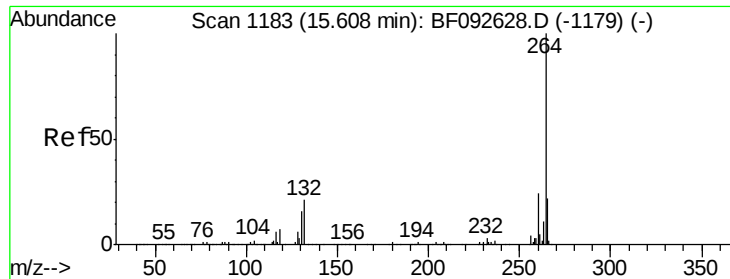
mohammad
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#82
Chrysene
Concen: 2.24 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.4	38.0
229	26.2	16.2	24.2





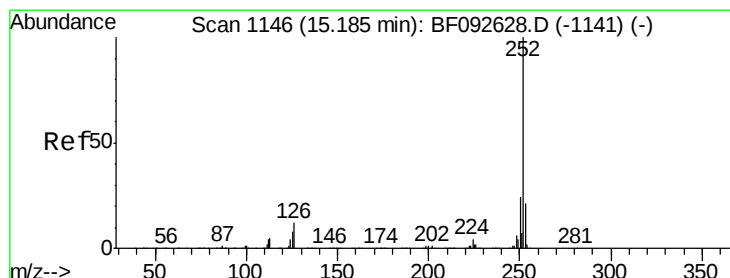
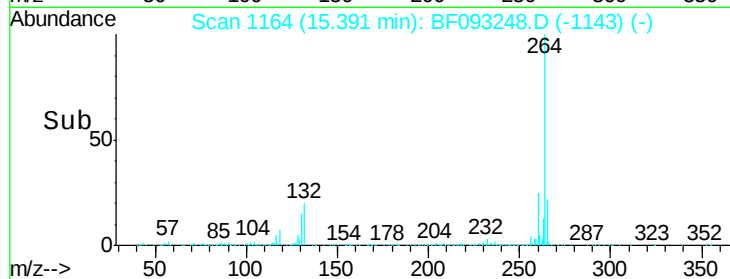
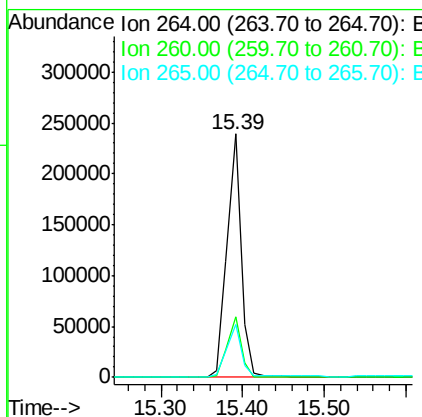
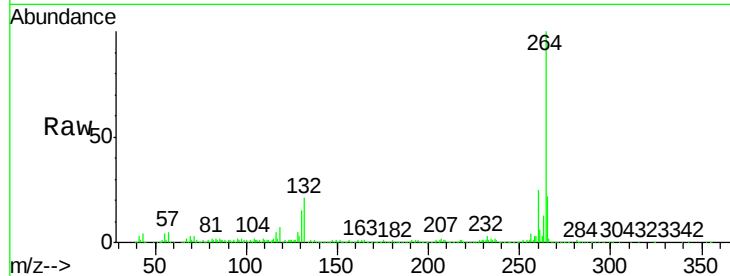
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Instrument :
BNA_F
ClientSampleId :
SP-SOUTH(0-2)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.9	17.4	26.0

Manual Integrations
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#87
Benzo(b)fluoranthene
Concen: 2.32 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093248.D
Acq: 28 Feb 2017 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	21.1	9.8	14.6#

