

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093244.D
 Acq On : 28 Feb 2017 13:13
 Operator : SJ/MA
 Sample : I1998-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-50-COMP

Manual Integrations
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mohammad
 3/1/2017 4:05:54 PM

Quant Time: Feb 28 14:25:37 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	144288	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	554023	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	259770	20.00	ng	-0.06
63) Phenanthrene-d10	11.33	188	472980	20.00	ng	-0.05
75) Chrysene-d12	13.96	240	304079	20.00	ng	-0.06
86) Perylene-d12	15.39	264	282946	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1071858	127.45	ng	-0.03
7) Phenol-d6	6.45	99	1241440	114.72	ng	-0.03
23) Nitrobenzene-d5	7.38	82	844602	84.89	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	214613	114.23	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1299419	90.62	ng	-0.05
78) Terphenyl-d14	12.91	244	969368	74.90	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	386884	22.11	ng	99
70) Phenanthrene	11.36	178	265985	9.82	ng	97
74) Fluoranthene	12.53	202	387664	13.87	ng	93
77) Pyrene	12.76	202	371952	16.35	ng	98
80) Benzo(a)anthracene	13.95	228	154227	8.29	ng	98
82) Chrysene	13.99	228	113642	6.53	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	52773	3.91	ng	97
87) Benzo(b)fluoranthene	14.98	252	106456m	5.72	ng	
88) Benzo(k)fluoranthene	14.99	252	49253m	3.06	ng	
89) Benzo(a)pyrene	15.32	252	84340	5.24	ng	# 96
91) Benzo(g,h,i)perylene	17.19	276	53222	4.05	ng	# 90

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

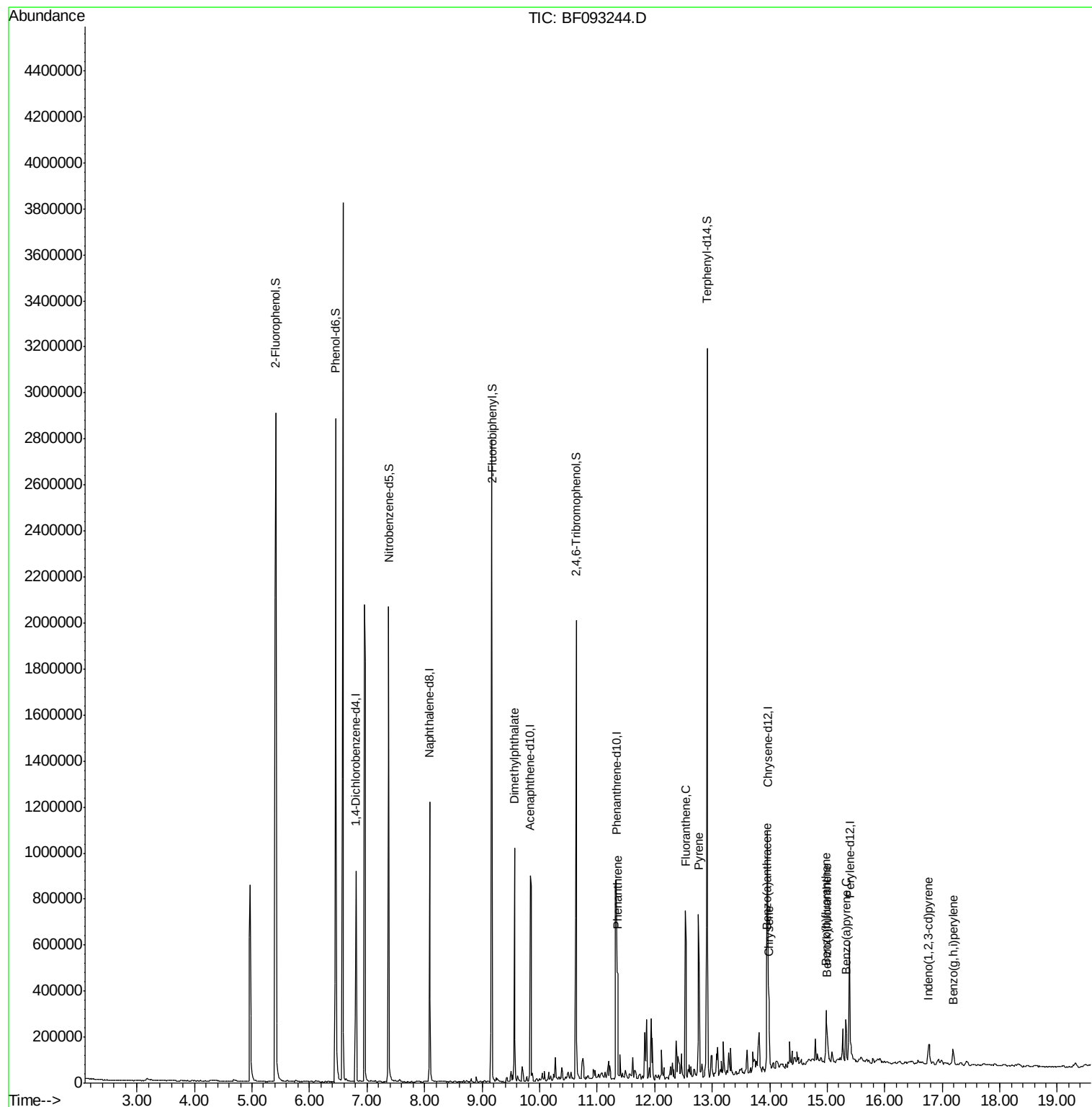
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093244.D
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Operator : SJ/MA
Sample : I1998-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

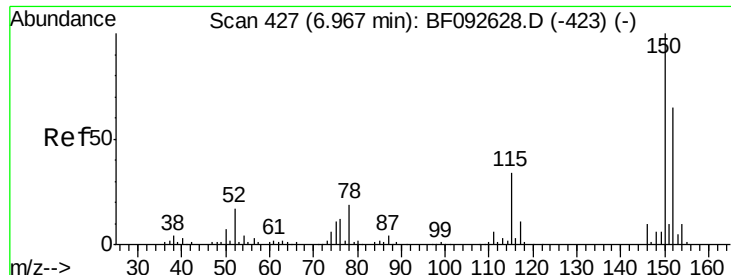
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-50-COMP

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#1

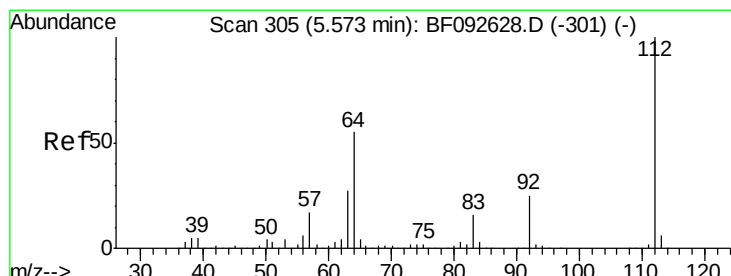
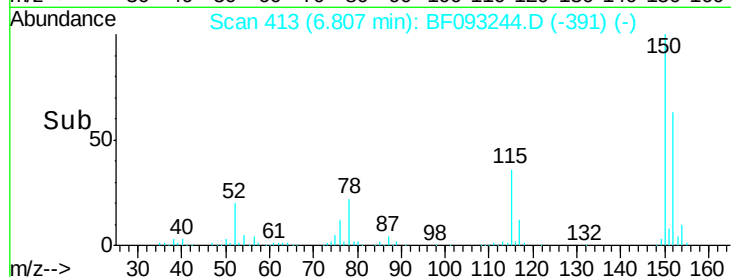
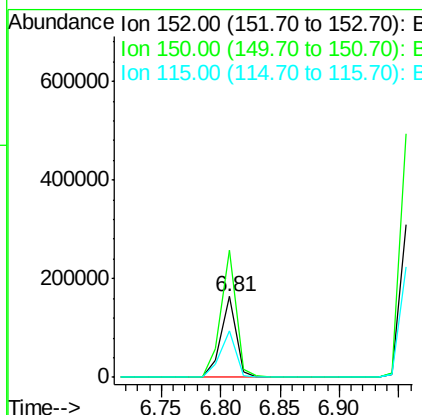
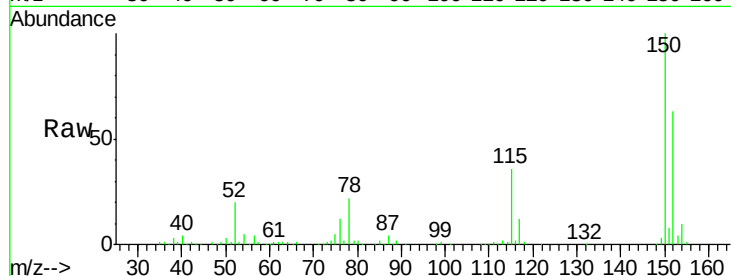
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.9	187.3
115	57.1	46.0	69.0

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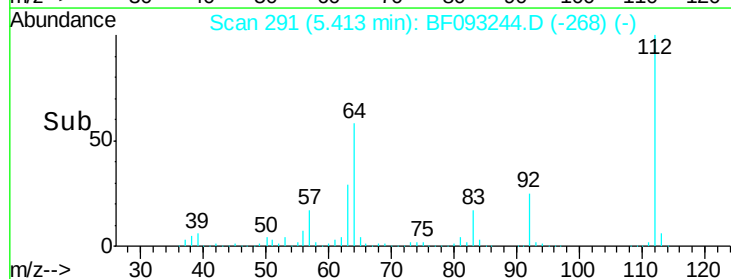
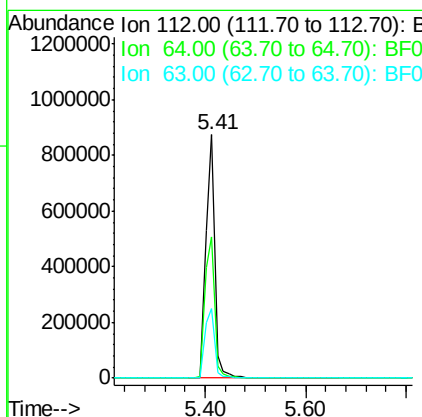
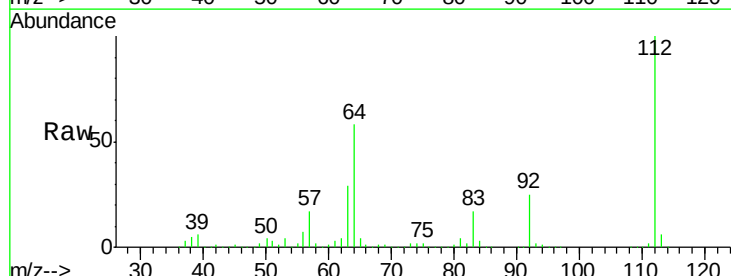
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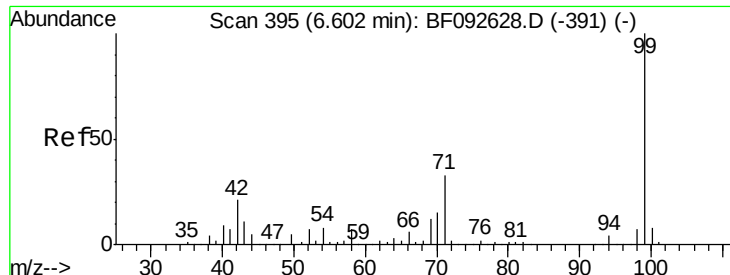


#5

2-Fluorophenol
Concen: 127.45 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.1	69.1
63	28.8	23.8	35.6





#7

Phenol-d6

Concen: 114.72 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15-50-COMP

Tgt Ion: 99 Resp: 1241440

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

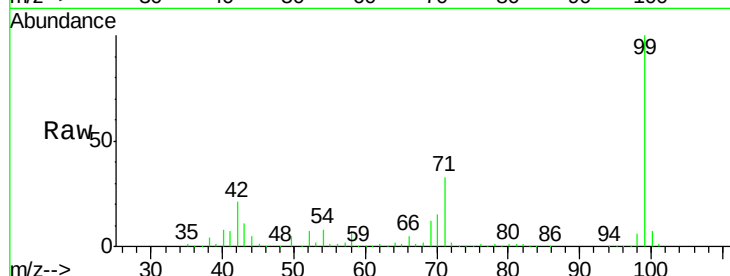
71 33.0 27.5 41.3

Manual Integrations

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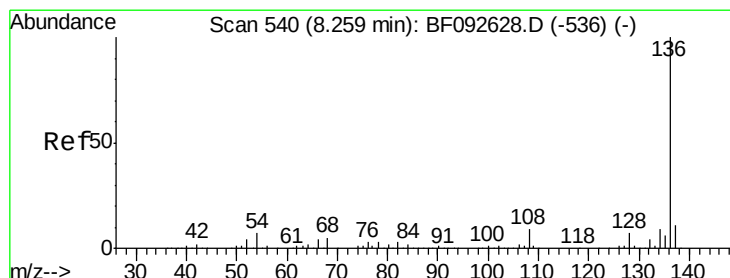
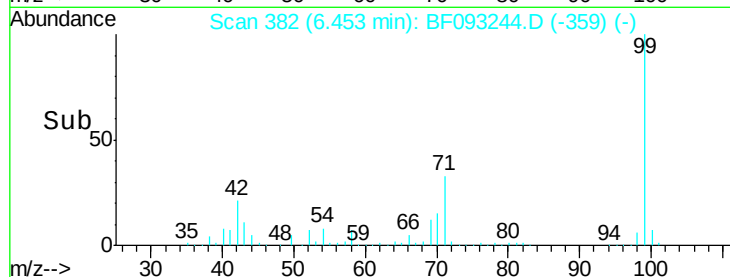
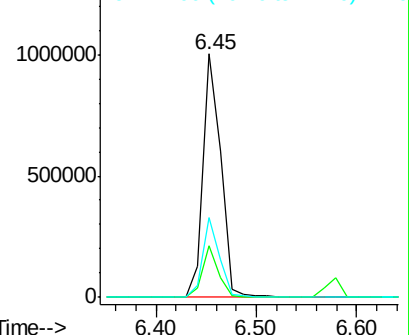
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Tgt Ion: 136 Resp: 554023

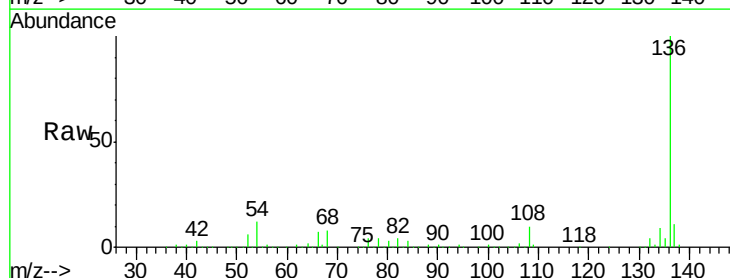
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 11.9 4.5 6.7#

68 8.1 3.6 5.4#

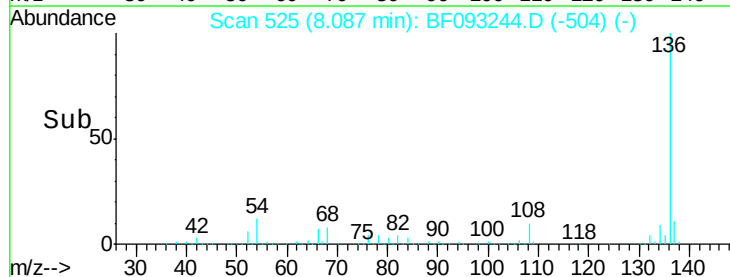
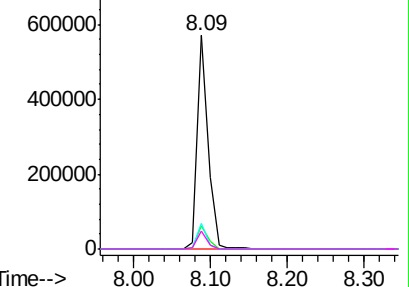


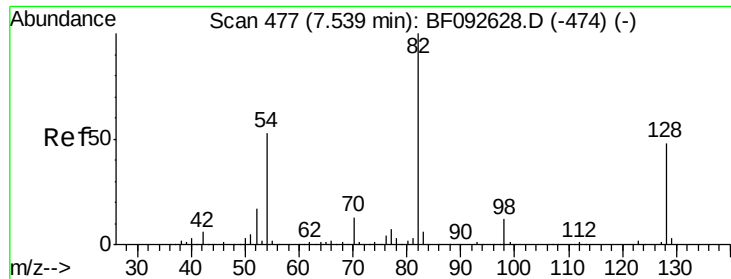
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





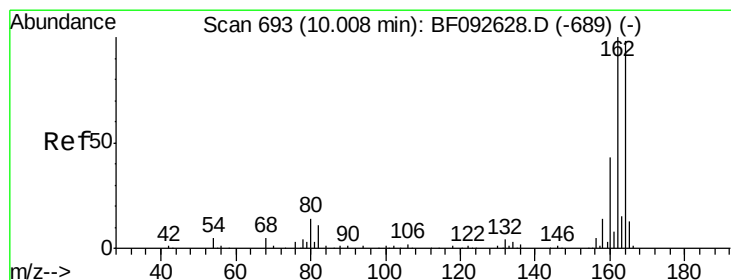
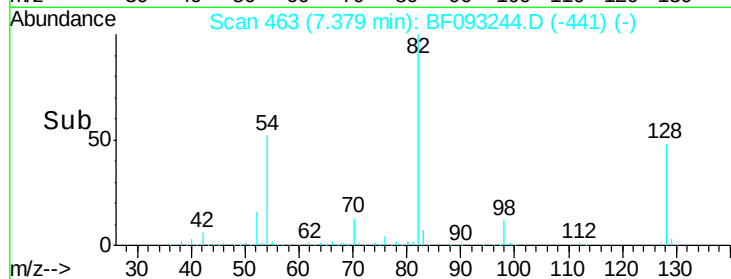
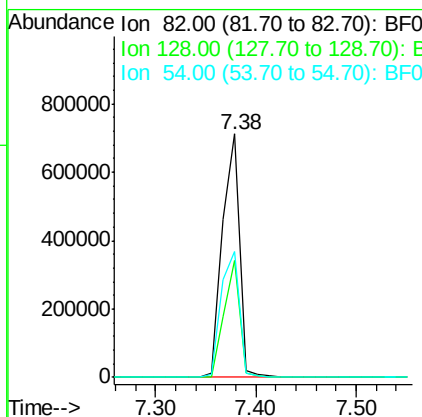
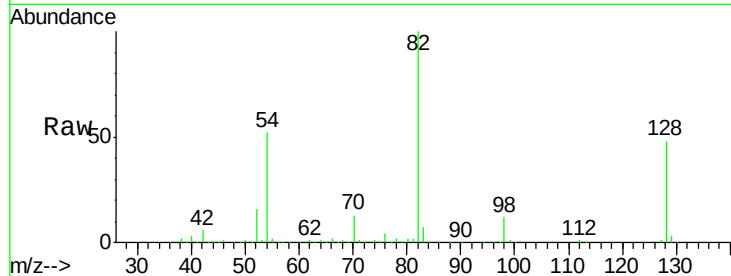
#23
 Nitrobenzene-d5
 Concen: 84.89 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	844602		
128	48.1		34.6	52.0
54	51.5		39.5	59.3

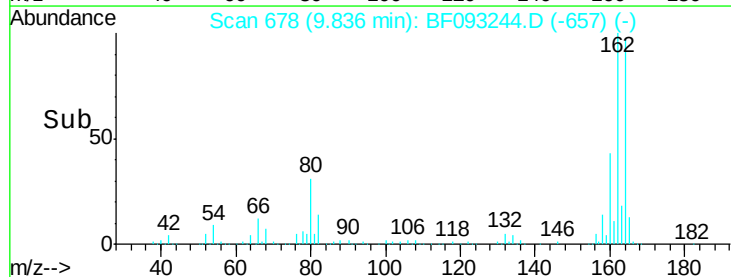
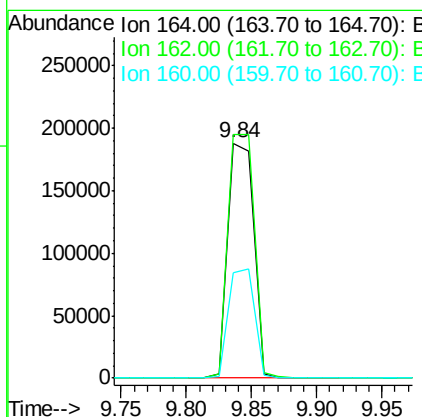
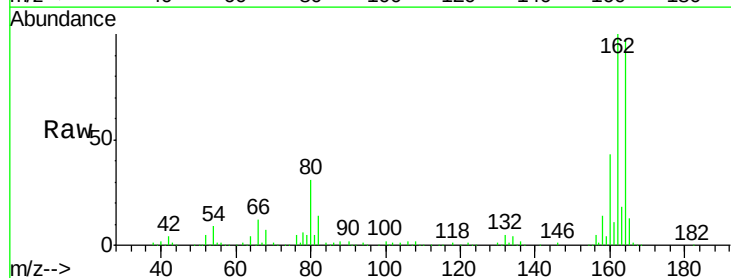
Manual Integrations
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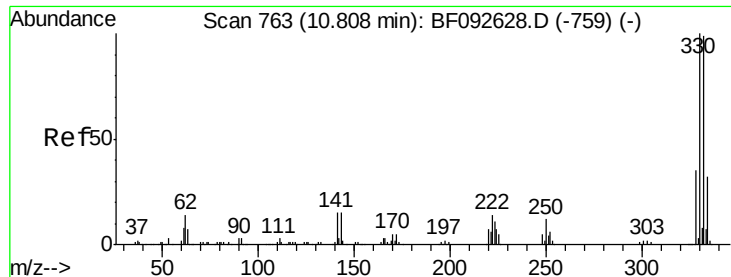
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.06 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	259770		
162	103.5		80.2	120.2
160	44.8		36.9	55.3





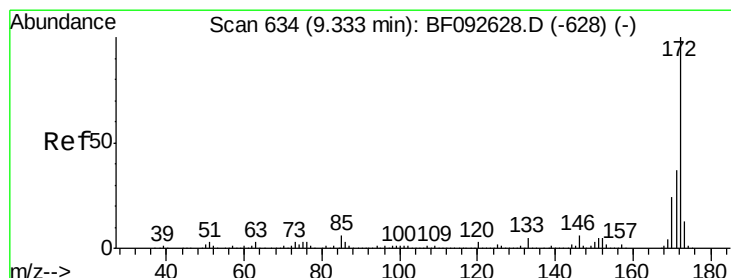
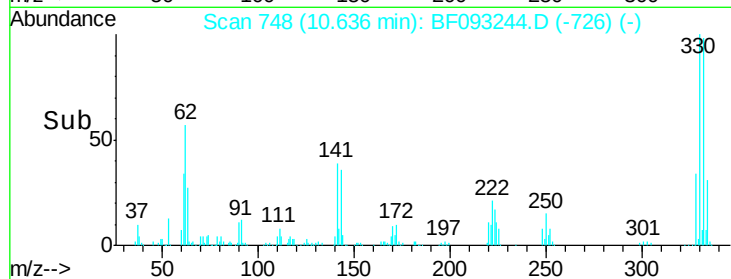
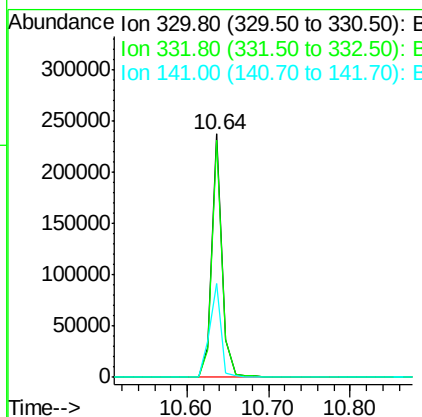
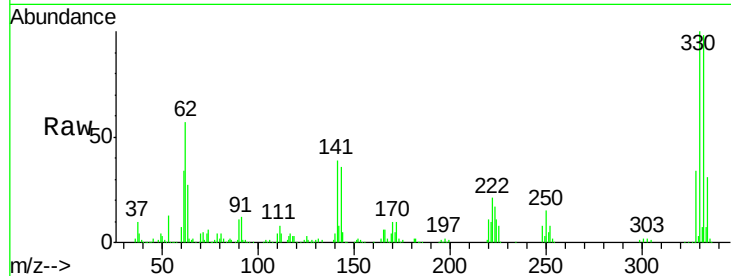
#41
 2,4,6-Tribromophenol
 Concen: 114.23 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	214613		
332	97.0	77.4	116.2	
141	43.3	34.1	51.1	

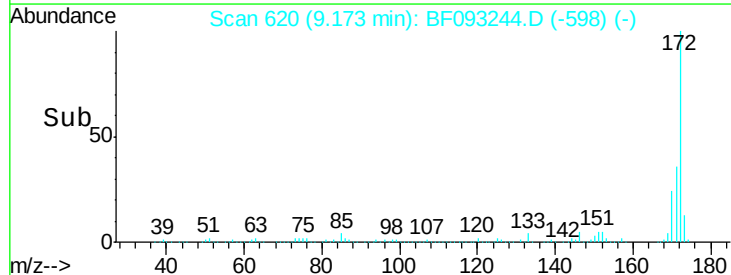
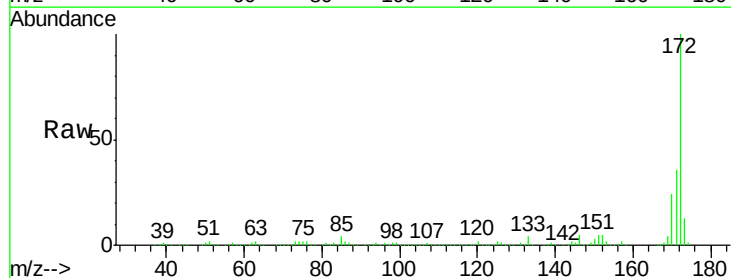
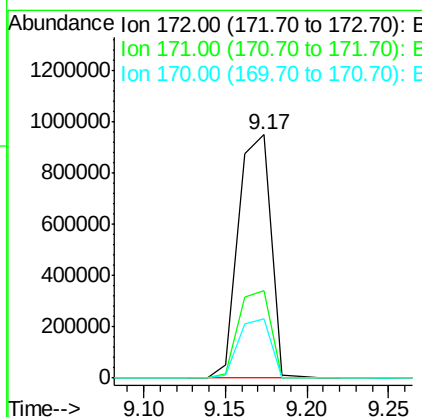
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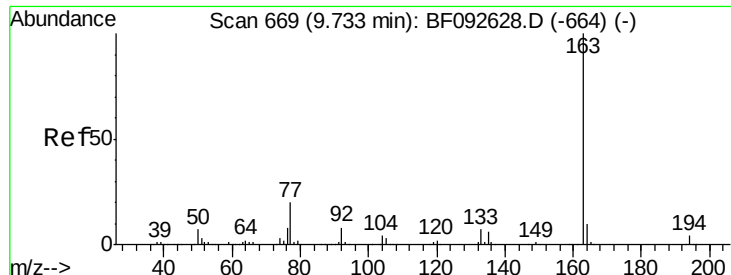
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#44
 2-Fluorobiphenyl
 Concen: 90.62 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1299419		
171	36.1	29.4	44.0	
170	24.2	20.2	30.4	





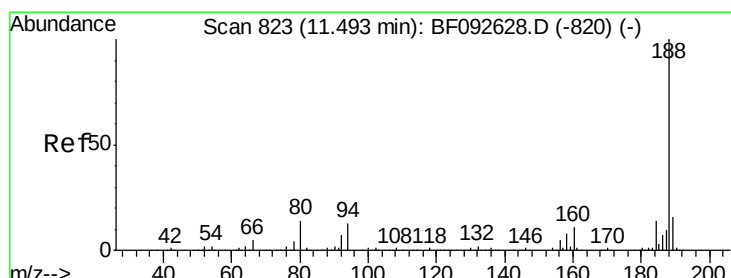
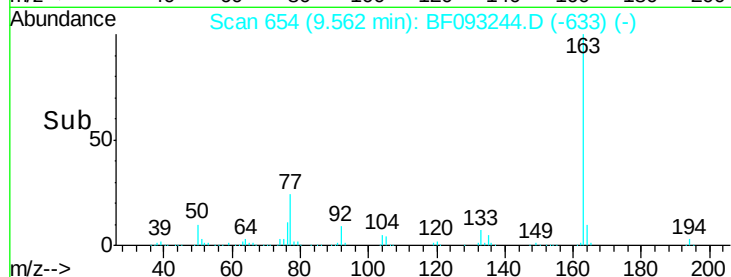
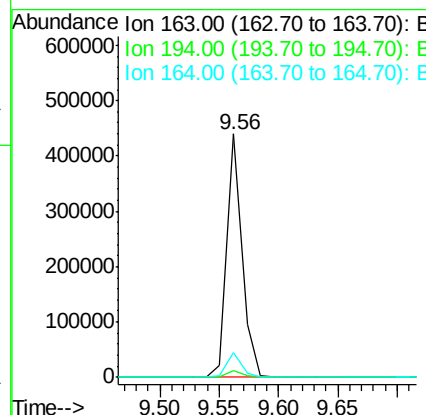
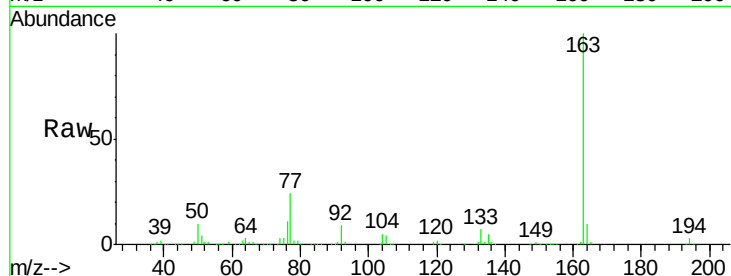
#49
Dimethylphthalate
Concen: 22.11 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	386884		
194	3.0		3.0	4.4
164	10.1		8.0	12.0

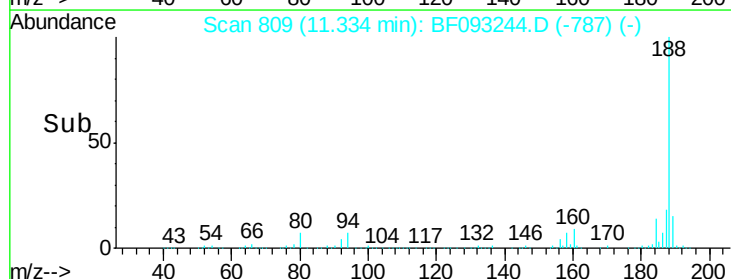
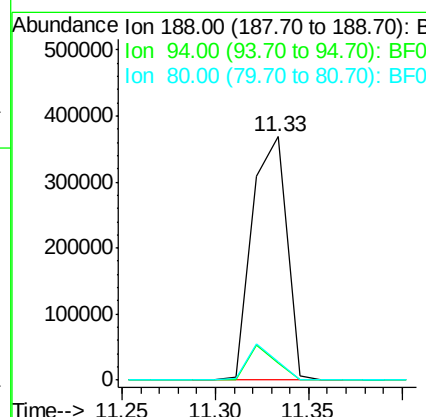
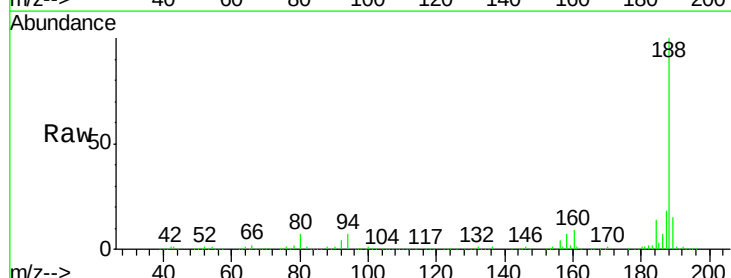
Manual Integrations
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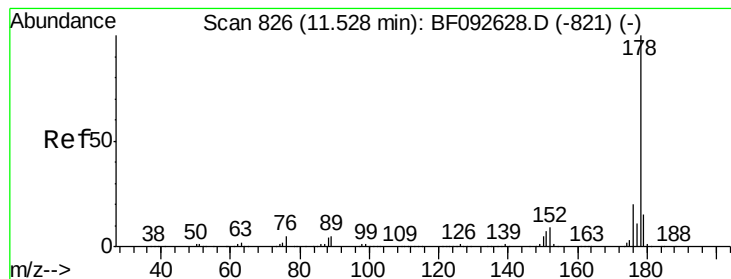
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	472980		
94	7.0		10.0	15.0#
80	7.3		11.2	16.8#





#70

Phenanthrene

Concen: 9.82 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093244.D

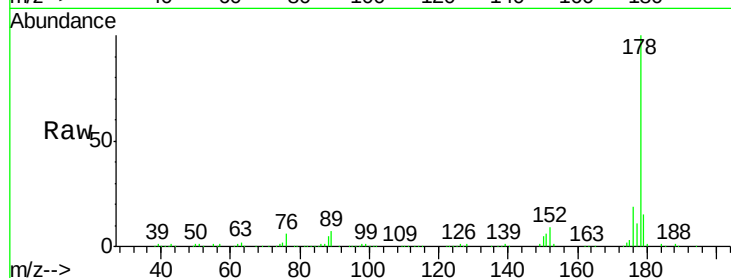
Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

ClientSampleId :

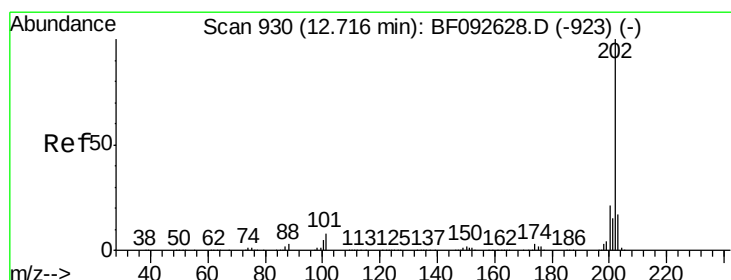
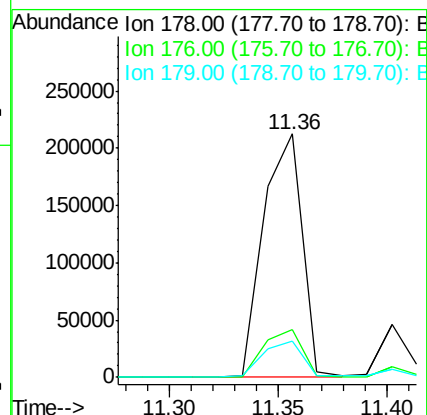
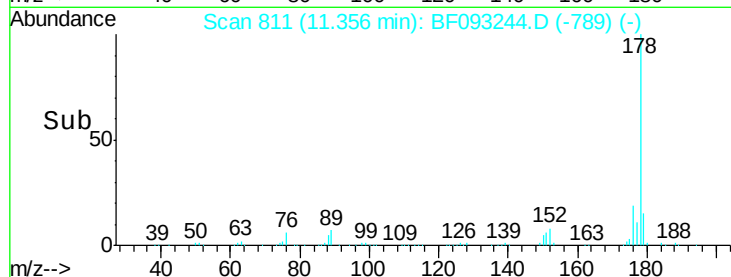
ROLL-OFF-15-50-COMP



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	15.0	12.8	19.2

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#74

Fluoranthene

Concen: 13.87 ng

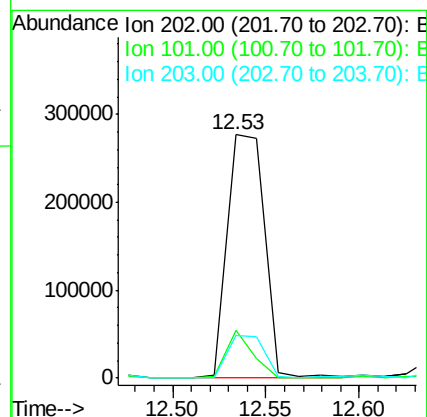
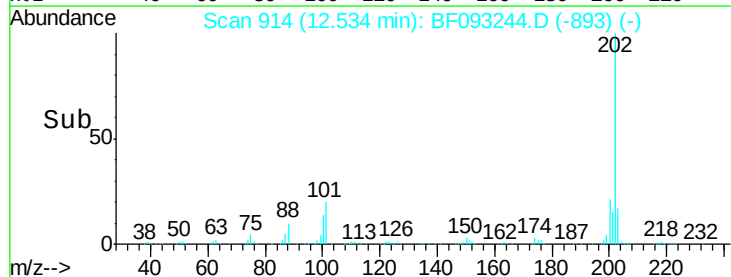
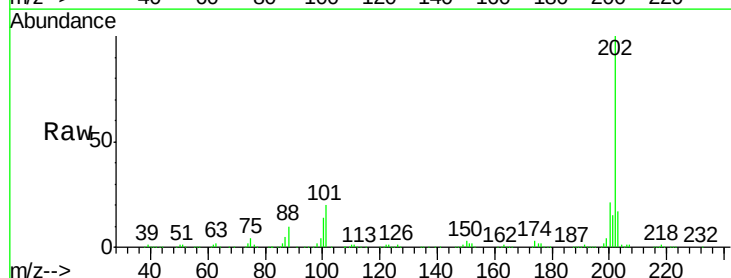
RT: 12.53 min Scan# 914

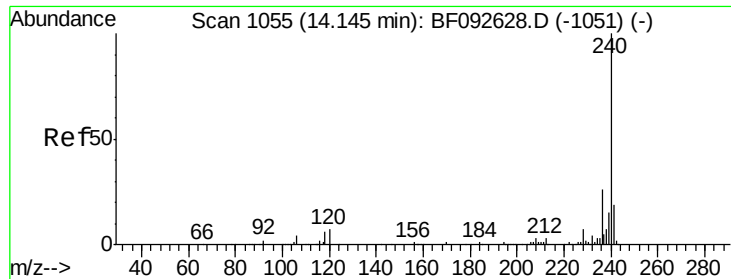
Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.8	0.0	34.6
203	17.4	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

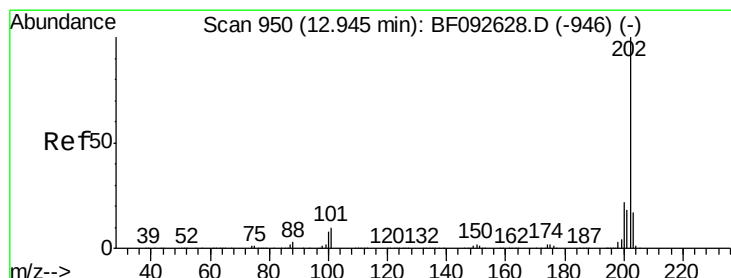
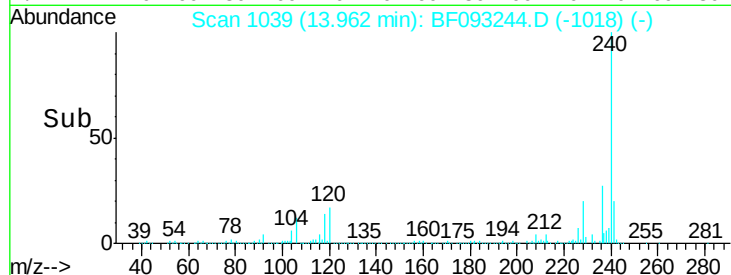
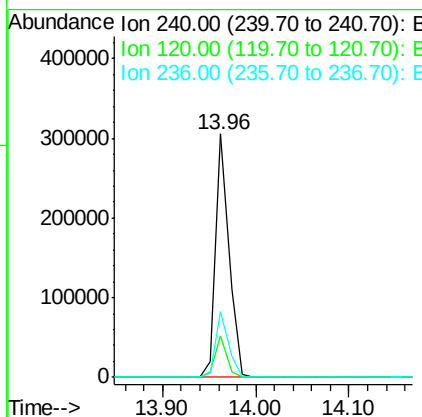
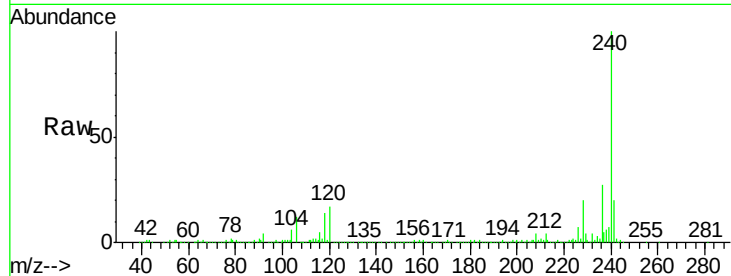
ClientSampleId :

ROLL-OFF-15-50-COMP

Tgt Ion:	240	Resp:	304079
Ion Ratio		Lower	Upper
240	100		
120	17.1	12.9	19.3
236	26.7	20.9	31.3

Manual Integrations
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#77

Pyrene

Concen: 16.35 ng

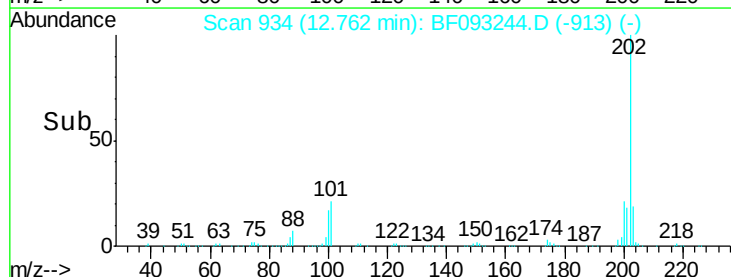
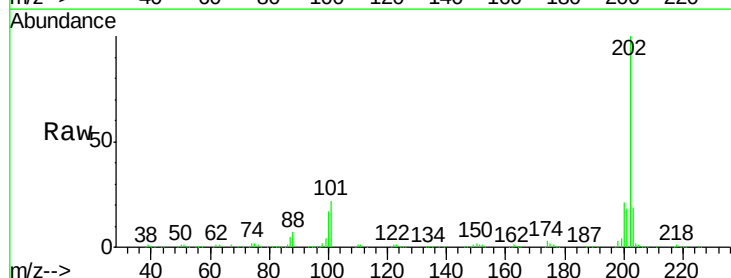
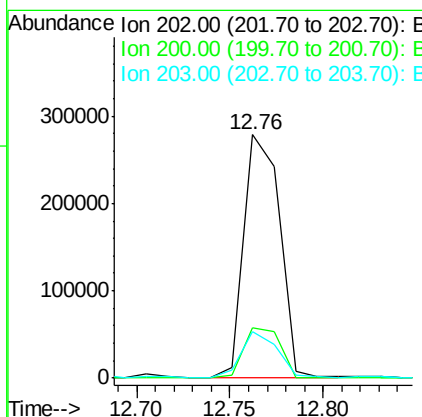
RT: 12.76 min Scan# 934

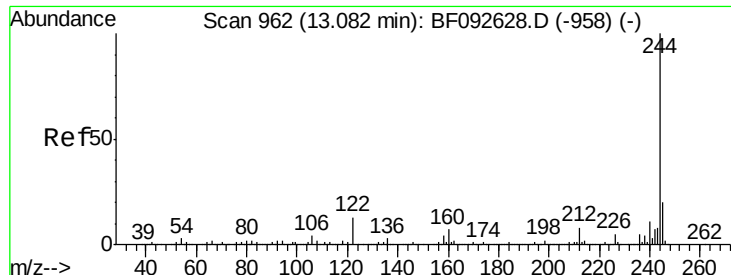
Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Tgt Ion:	202	Resp:	371952
Ion Ratio		Lower	Upper
202	100		
200	20.8	17.7	26.5
203	18.9	14.7	22.1





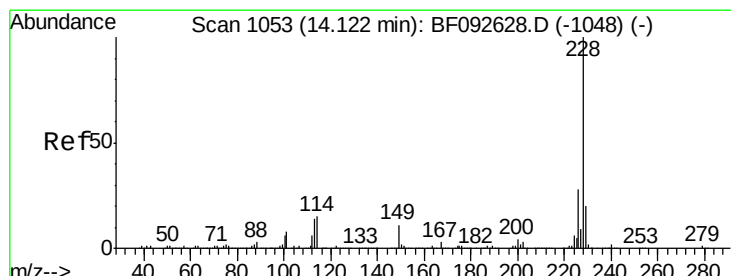
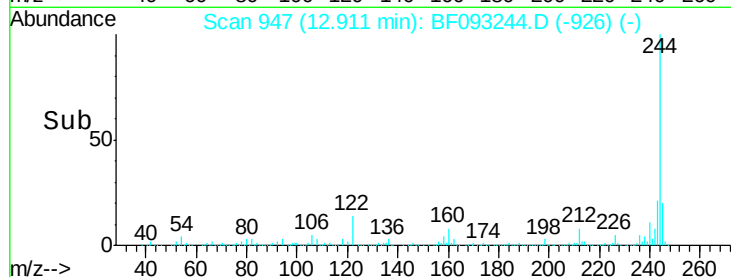
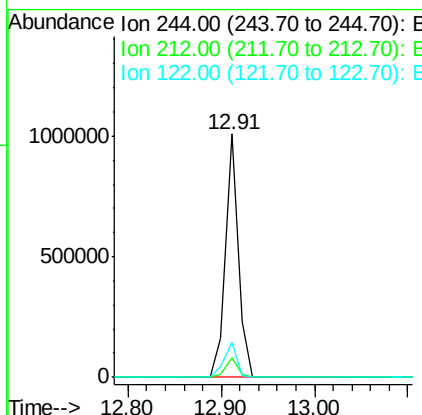
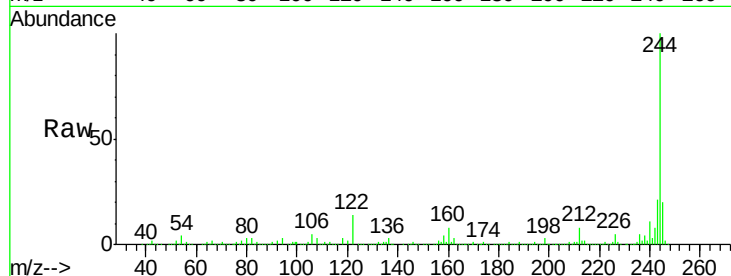
#78
 Terphenyl-d14
 Concen: 74.90 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.9	6.2	9.2
122	14.5	11.4	17.2

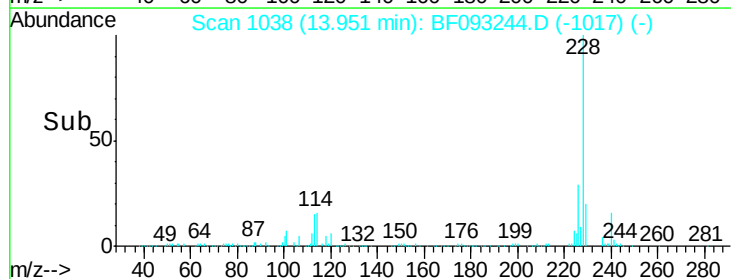
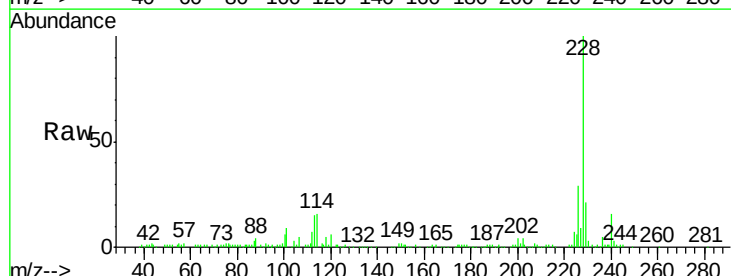
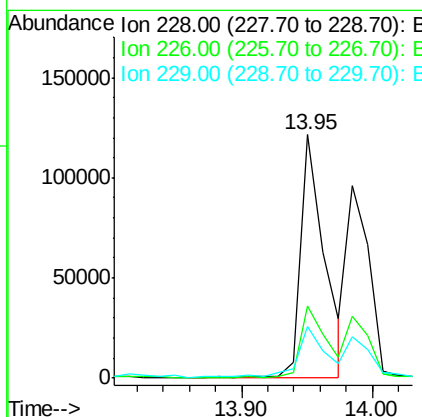
Manual Integrations
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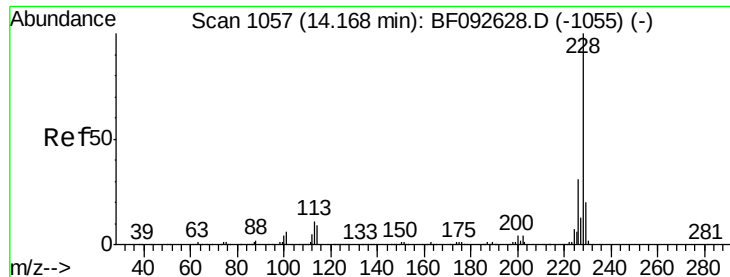
mohammad
 3/1/2017 4:05:54 PM



#80
 Benzo(a)anthracene
 Concen: 8.29 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.06 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.4	22.4	33.6
229	21.2	16.2	24.4





#82

Chrysene

Concen: 6.53 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.06 min

Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Instrument :

BNA_F

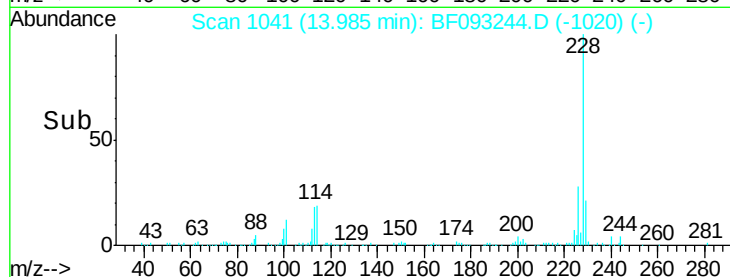
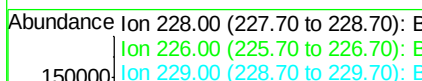
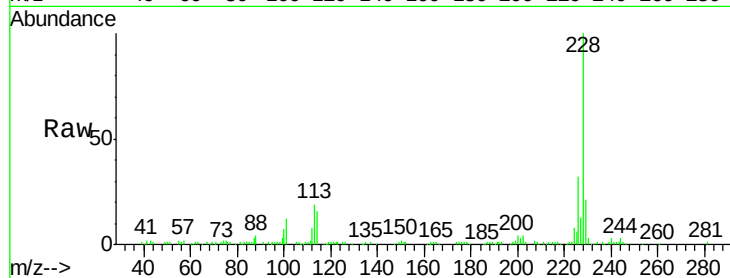
ClientSampleId :

ROLL-OFF-15-50-COMP

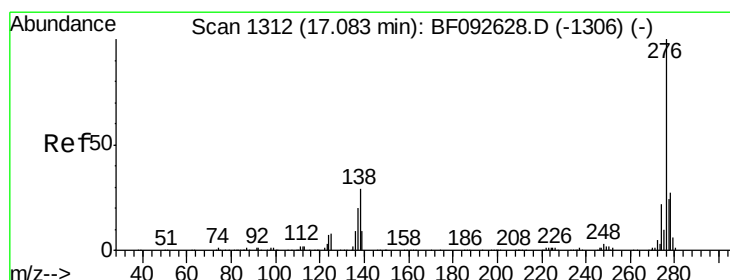
Tgt Ion:	228	Resp:	113642
Ion Ratio	Lower	Upper	
228	100		
226	32.3	25.4	38.0
229	21.5	16.2	24.2

Manual Integrations
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Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.91 ng

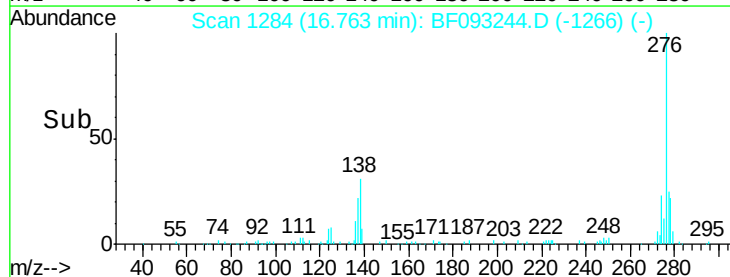
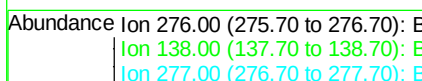
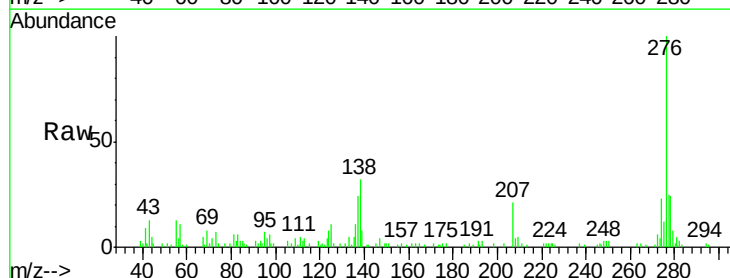
RT: 16.76 min Scan# 1284

Delta R.T. -0.09 min

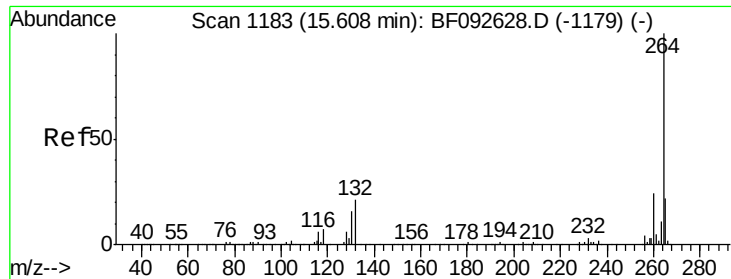
Lab File: BF093244.D

Acq: 28 Feb 2017 13:13

Tgt Ion:	276	Resp:	52773
Ion Ratio	Lower	Upper	
276	100		
138	29.0	21.8	32.6
277	23.7	20.2	30.4



Time-->



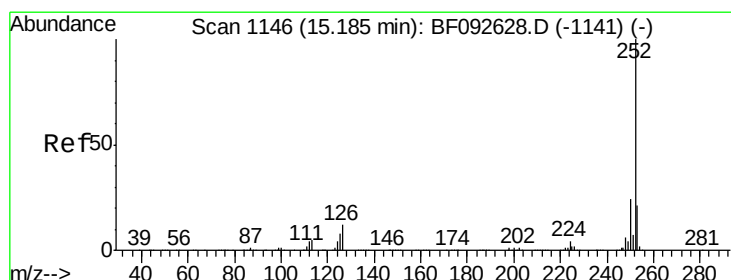
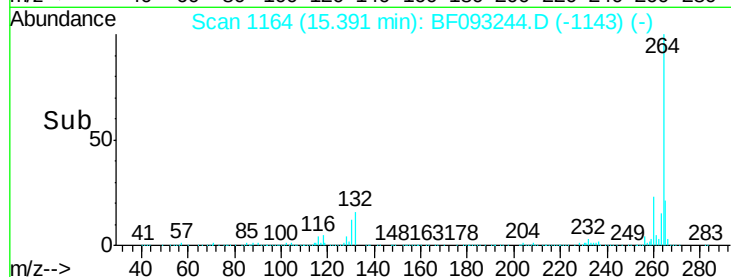
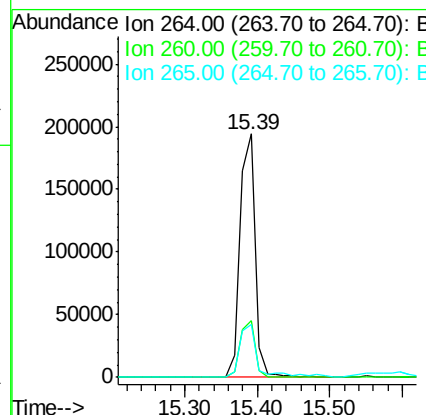
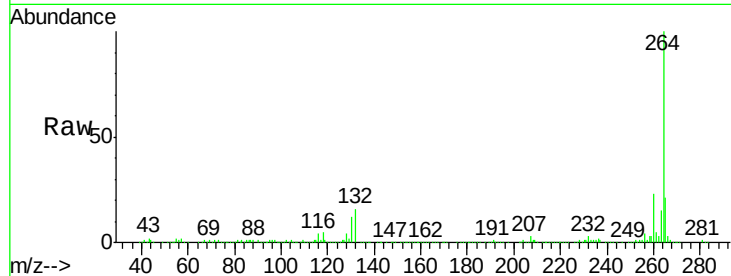
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.4	26.0

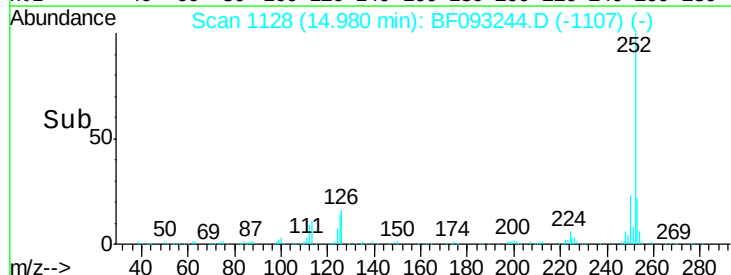
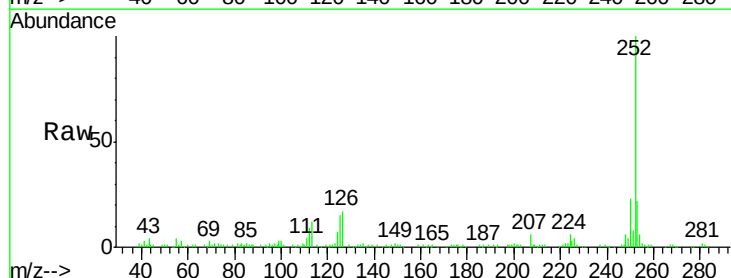
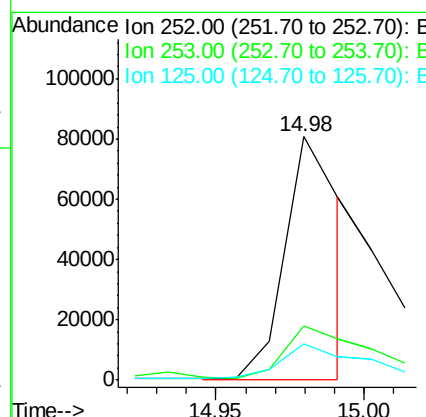
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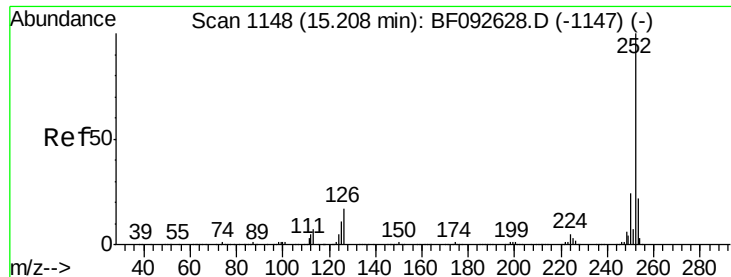
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#87
Benzo(b)fluoranthene
Concen: 5.72 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.06 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	14.9	9.8	14.6#





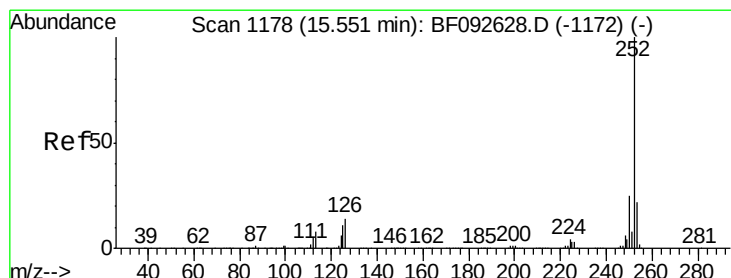
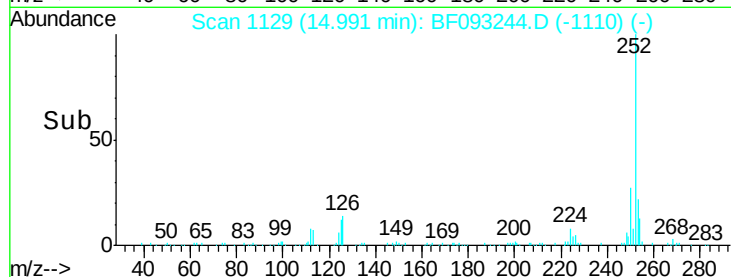
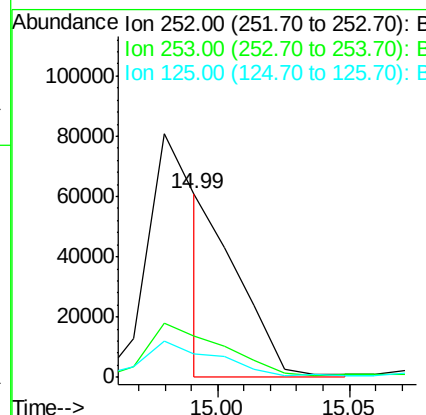
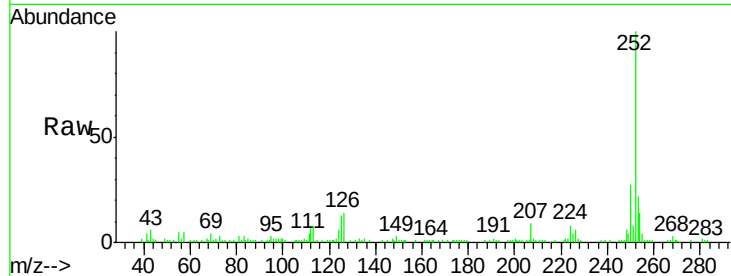
#88
Benzo(k)fluoranthene
Concen: 3.06 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.08 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	12.8	8.9	13.3

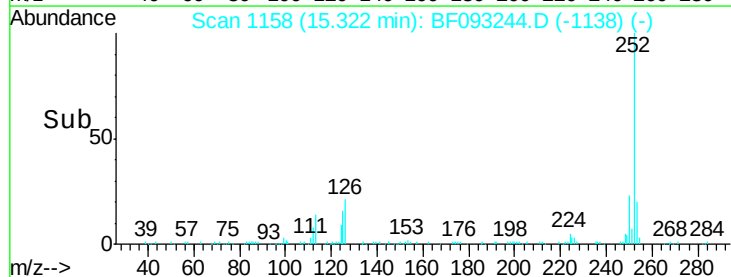
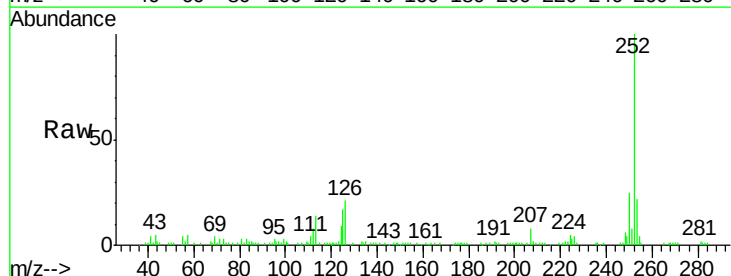
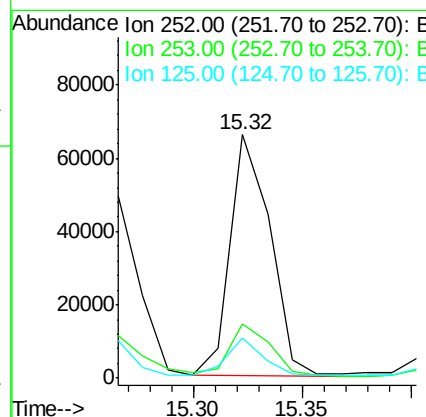
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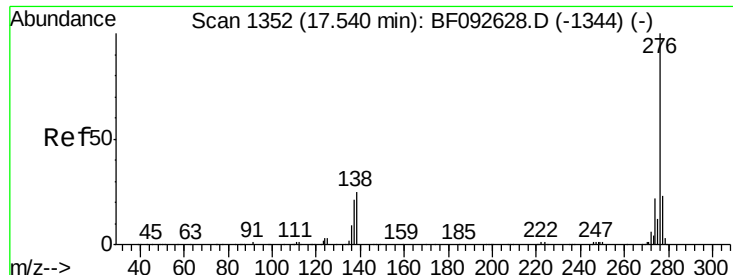
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#89
Benzo(a)pyrene
Concen: 5.24 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.07 min
Lab File: BF093244.D
Acq: 28 Feb 2017 13:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	16.6	10.0	15.0#





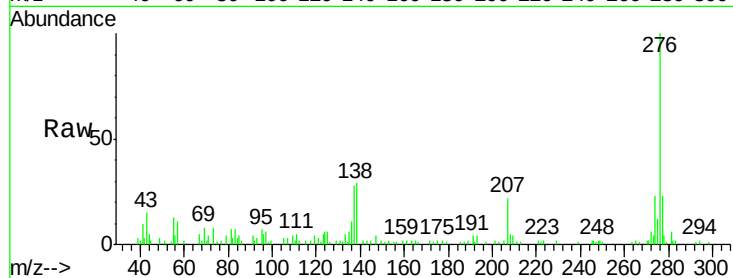
#91
 Benzo(g,h,i)perylene
 Concen: 4.05 ng
 RT: 17.19 min Scan# 1321
 Delta R.T. -0.10 min
 Lab File: BF093244.D
 Acq: 28 Feb 2017 13:13

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-50-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	28.8	16.0	24.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

