

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094403.D
 Acq On : 13 Apr 2017 21:07
 Operator : SJ/MA
 Sample : I2662-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-COMP

Manual Integrations
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Quant Time: Apr 14 07:12:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	162962	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	625933	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	266718	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	410827	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	302719	20.00	ng	-0.06
86) Perylene-d12	16.12	264	252304	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	561832	58.23	ng	-0.05
7) Phenol-d6	5.42	99	903602	75.70	ng	-0.05
23) Nitrobenzene-d5	6.43	82	483758	44.11	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	205607	97.55	ng	-0.05
44) 2-Fluorobiphenyl	8.61	172	1062268	60.75	ng	-0.05
78) Terphenyl-d14	13.22	244	770590	57.06	ng	-0.05
Target Compounds						Qvalue
10) Phenol	5.43	94	51331	3.78	ng	91
49) Dimethylphthalate	9.10	163	136310	7.19	ng	98
70) Phenanthrene	11.27	178	235705	10.31	ng	99
71) Anthracene	11.33	178	57288	2.43	ng	98
74) Fluoranthene	12.73	202	499161	21.33	ng	99
77) Pyrene	13.01	202	477250	21.72	ng	99
80) Benzo(a)anthracene	14.48	228	202149	11.45	ng	99
82) Chrysene	14.53	228	195897m	11.96	ng	
85) Indeno(1,2,3-cd)pyrene	17.41	276	101685	7.17	ng	95
87) Benzo(b)fluoranthene	15.72	252	230786m	14.92	ng	
88) Benzo(k)fluoranthene	15.74	252	90717m	6.00	ng	
89) Benzo(a)pyrene	16.06	252	174316	12.24	ng	99
91) Benzo(a,h,i)perylene	17.79	276	126071	10.37	ng	98

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

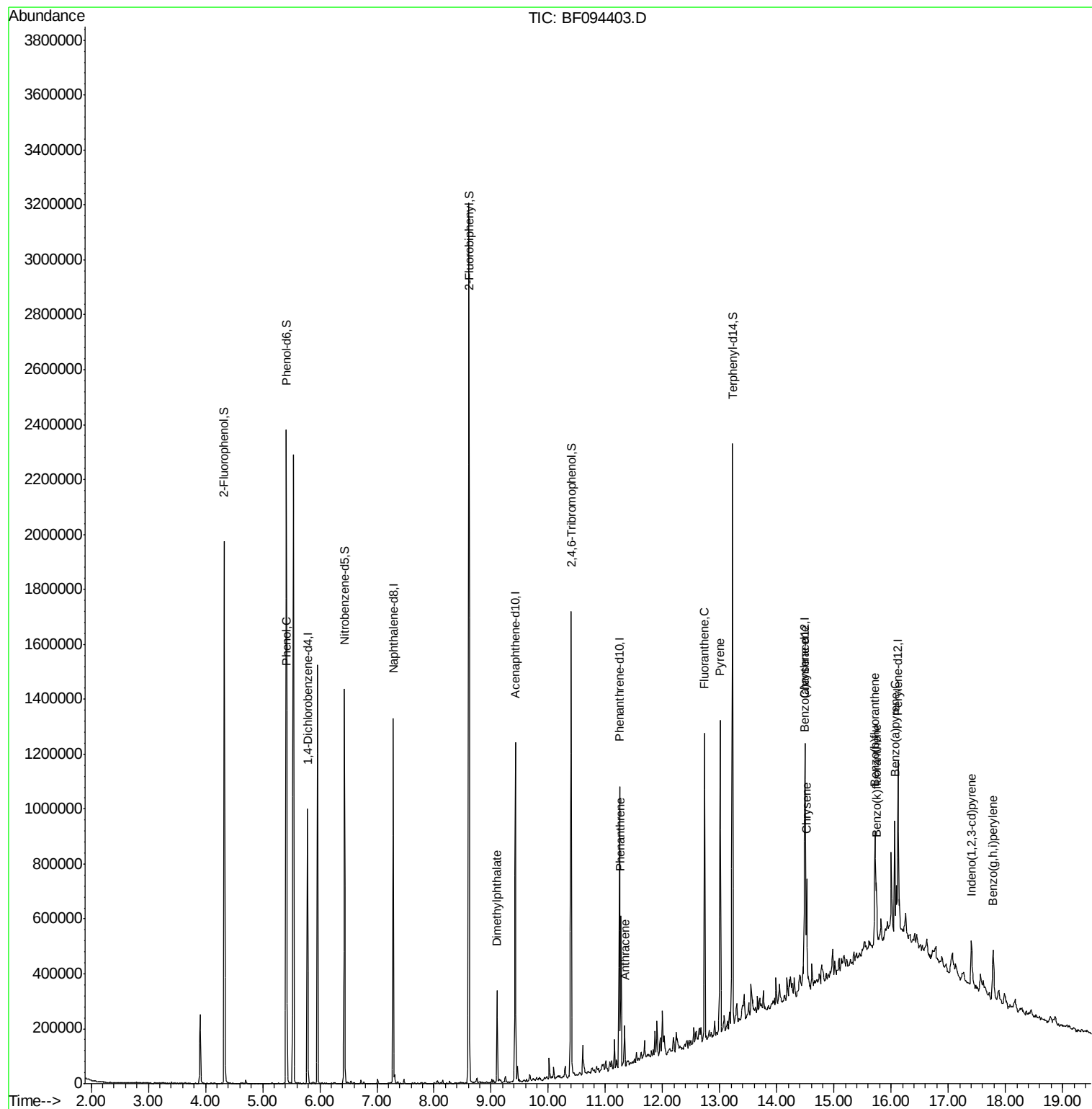
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
Data File : BF094403.D
Acq On : 13 Apr 2017 21:07
Operator : SJ/MA
Sample : I2662-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

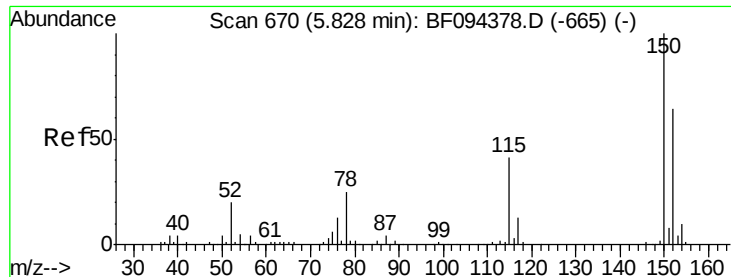
Instrument :
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#1

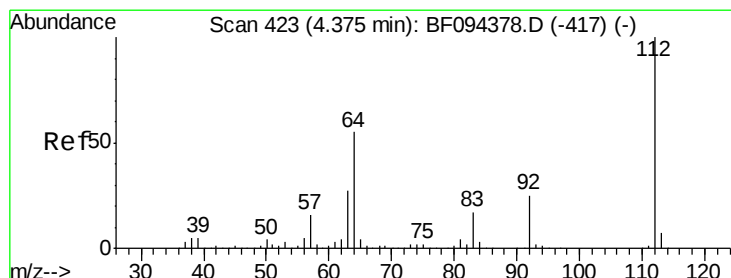
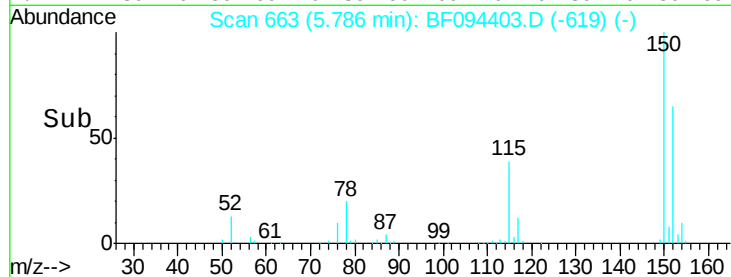
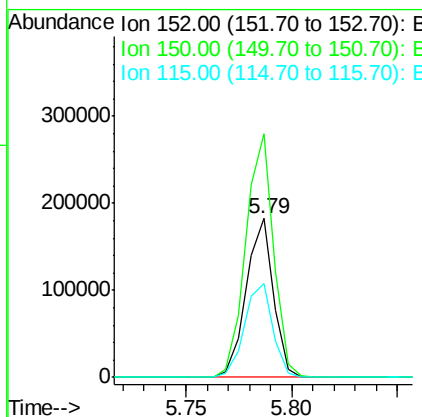
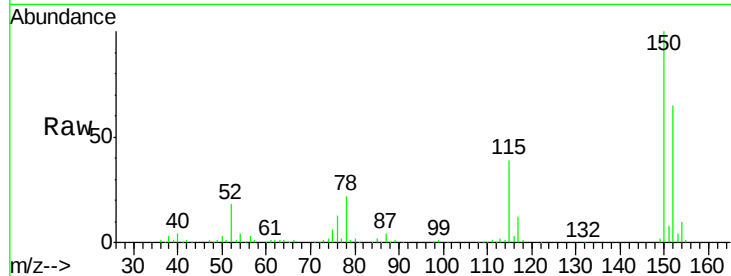
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.2	189.2
115	59.1	52.2	78.2

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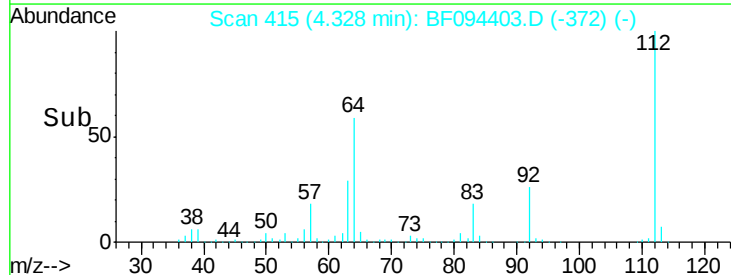
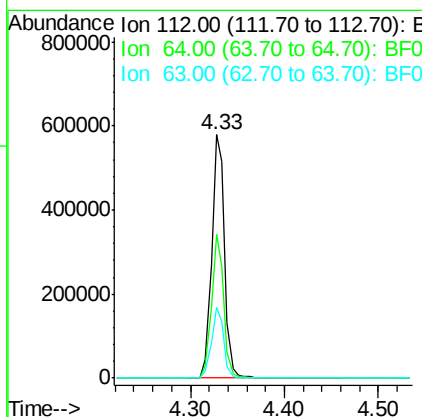
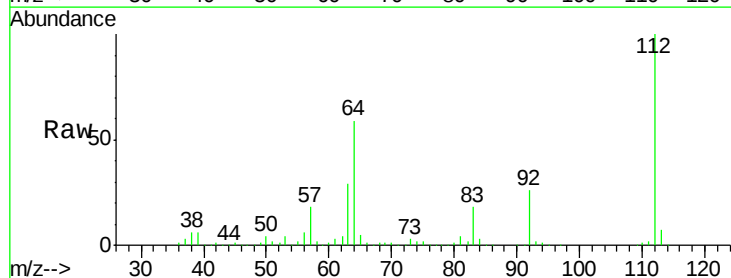
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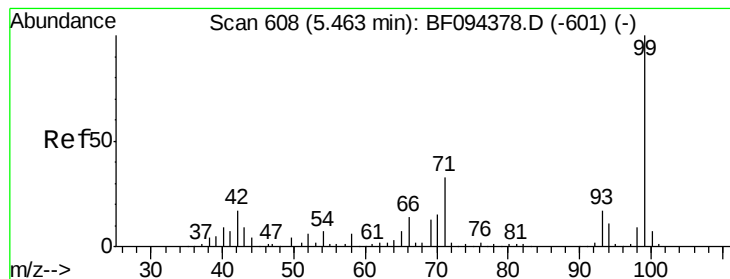


#5

2-Fluorophenol
Concen: 58.23 ng
RT: 4.33 min Scan# 415
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.0	69.0
63	29.3	23.4	35.0





#7

Phenol-d6

Concen: 75.70 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094403.D

Acq: 13 Apr 2017 21:07

Instrument :

BNA_F

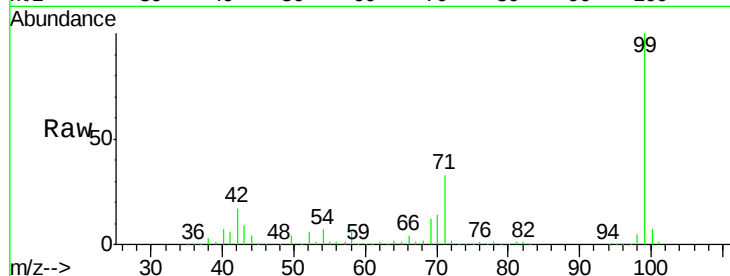
ClientSampleId :

AREA-1-COMP

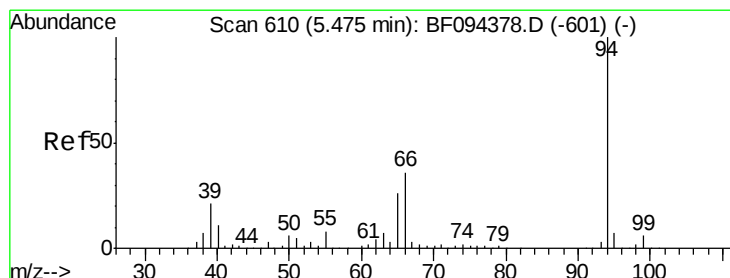
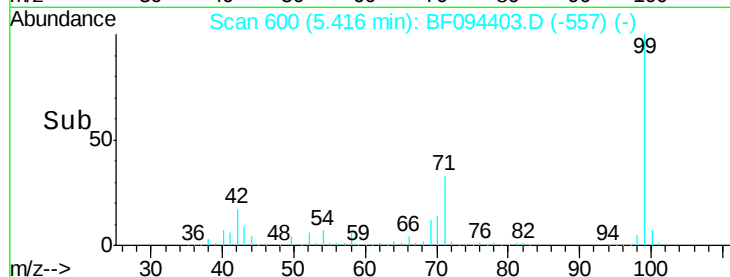
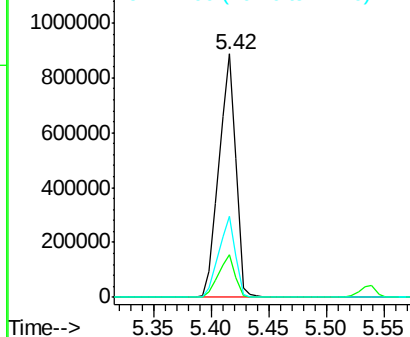
Tot Ion:	99	Resp:	903602
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.5	20.3
71	33.4	24.5	36.7

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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



#10

Phenol

Concen: 3.78 ng

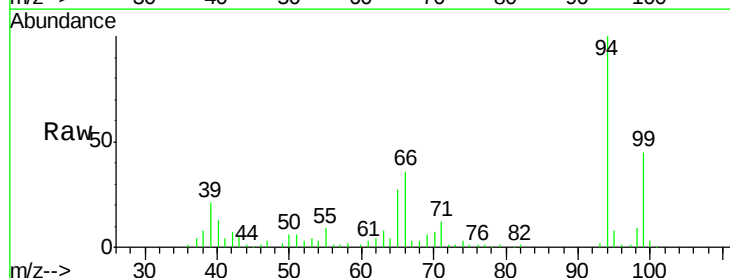
RT: 5.43 min Scan# 602

Delta R.T. -0.05 min

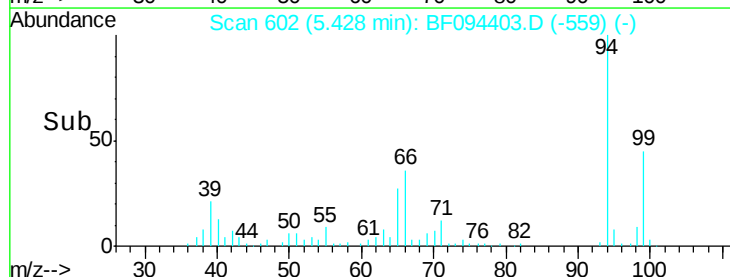
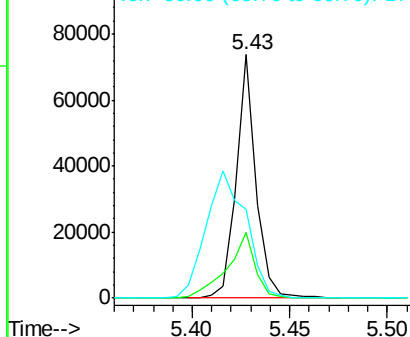
Lab File: BF094403.D

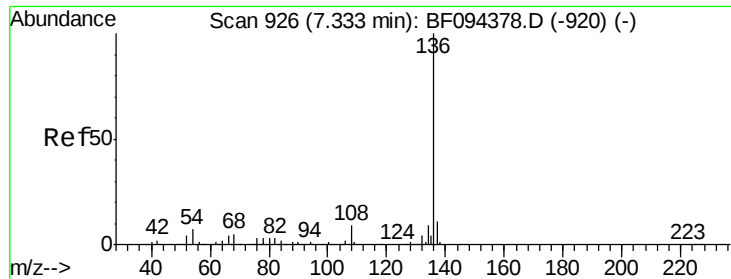
Acq: 13 Apr 2017 21:07

Tgt Ion:	94	Resp:	51331
Ion Ratio	Lower	Upper	
94	100		
65	26.7	9.9	49.9
66	36.3	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





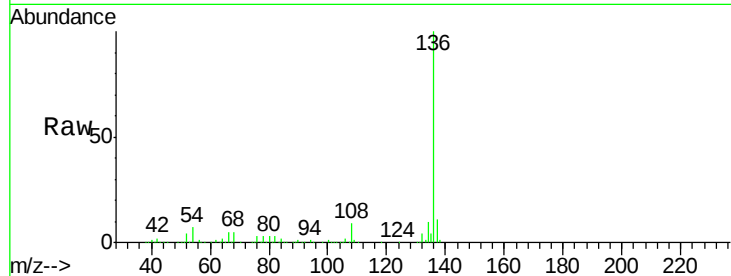
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.29 min Scan# 918
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

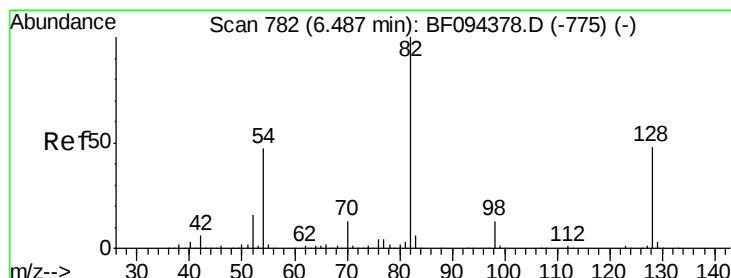
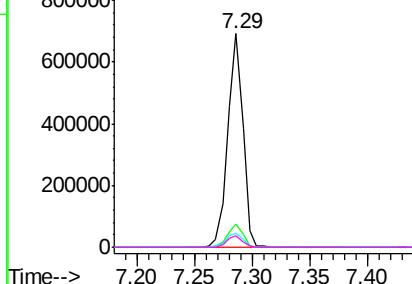
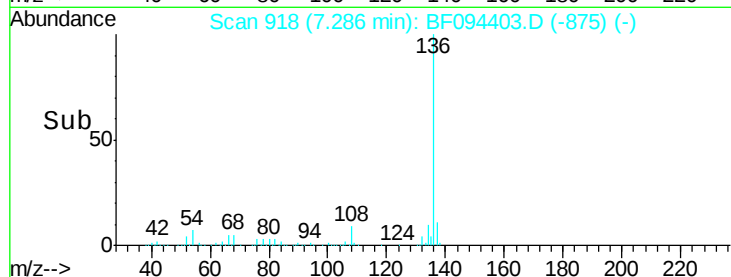
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		625933		
137	11.0		8.5	12.7	
54	6.8		4.9	7.3	
68	5.4		4.1	6.1	

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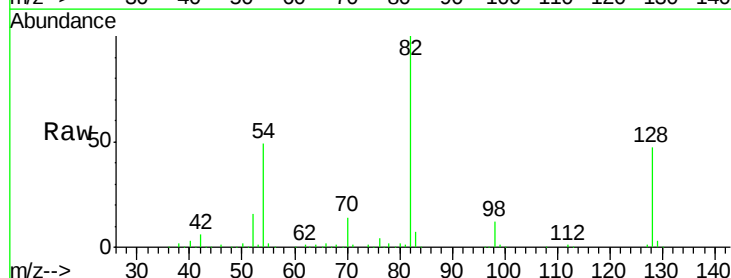


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

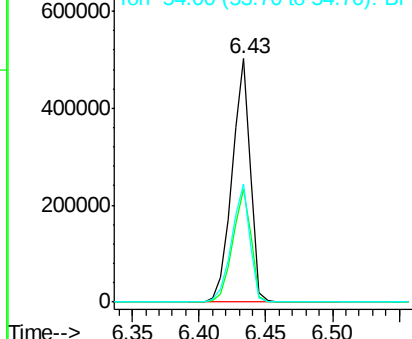
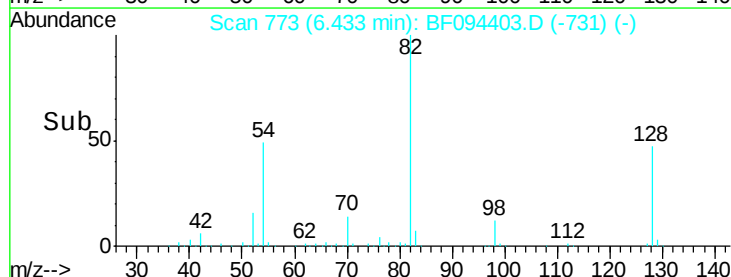


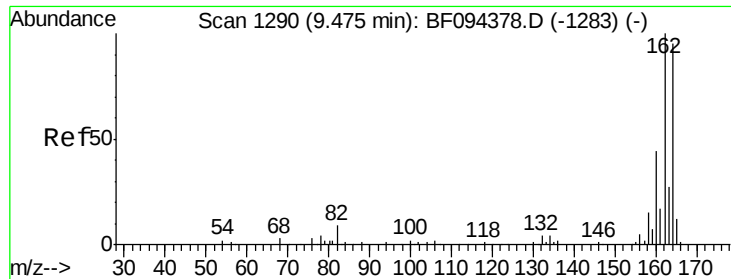
#23
Nitrobenzene-d5
Concen: 44.11 ng
RT: 6.43 min Scan# 773
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		483758		
128	46.6		34.0	51.0	
54	48.7		42.2	63.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





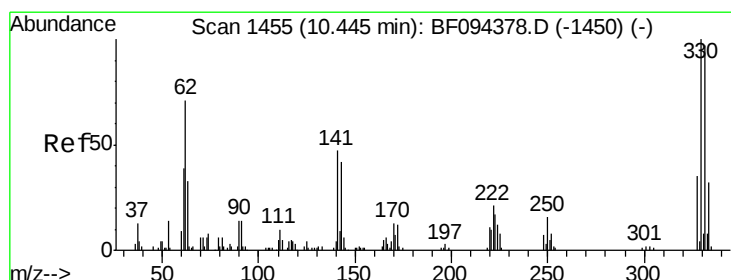
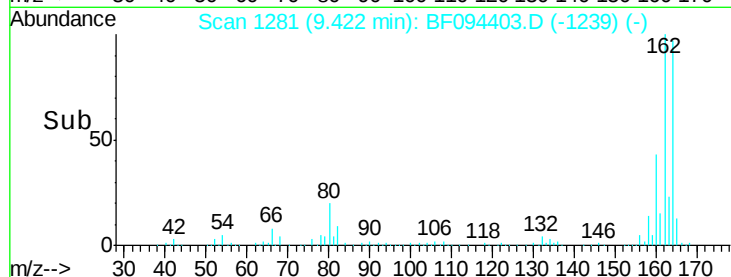
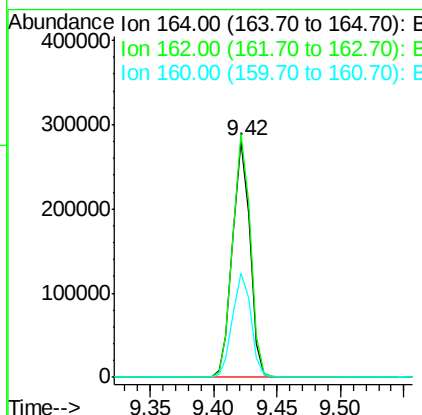
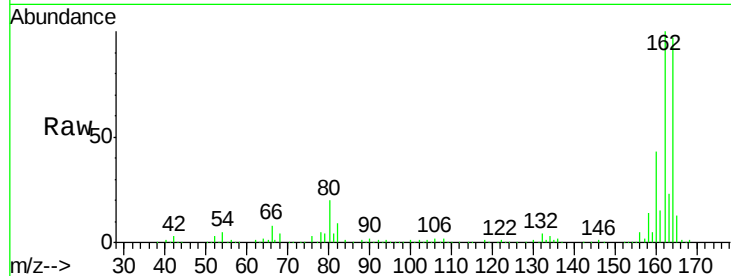
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 1281
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	266718		
162	103.0	82.6	123.8	
160	44.2	36.2	54.2	

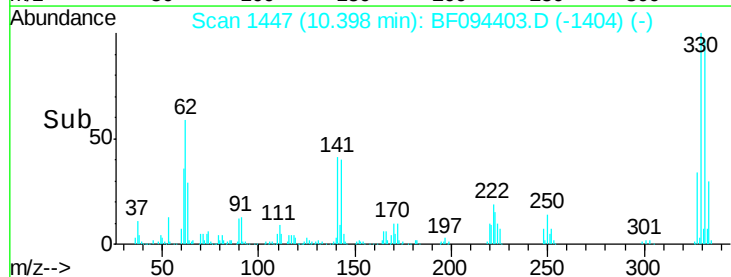
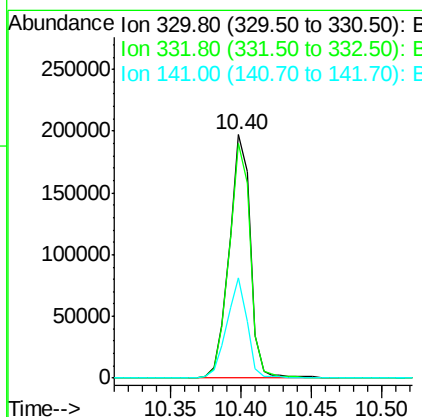
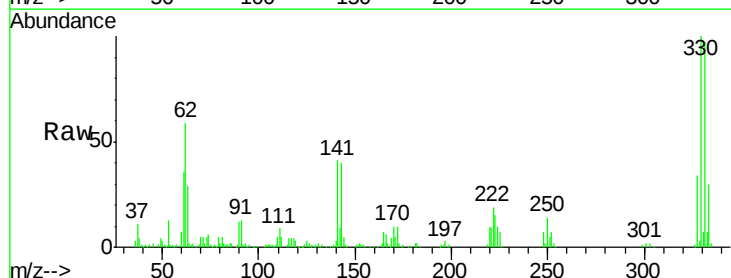
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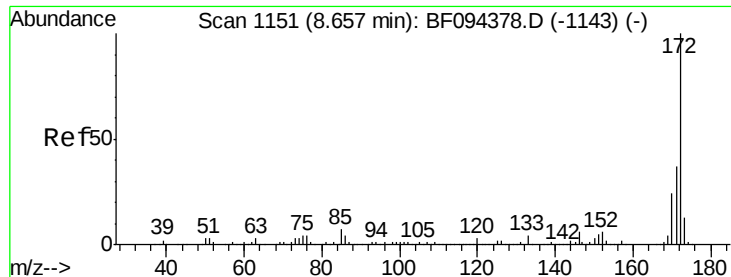
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#41
2,4,6-Tribromophenol
Concen: 97.55 ng
RT: 10.40 min Scan# 1447
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	205607		
332	96.9	76.6	115.0	
141	40.4	31.4	47.2	





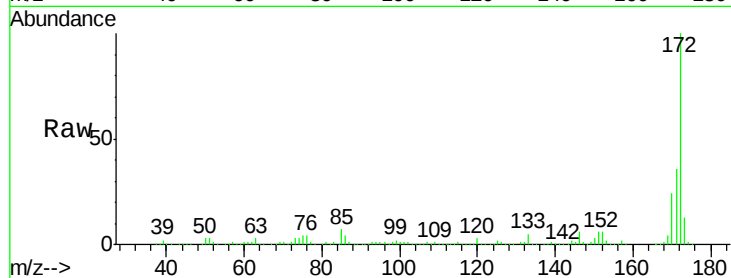
#44
2-Fluorobiphenyl
Concen: 60.75 ng
RT: 8.61 min Scan# 1143
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

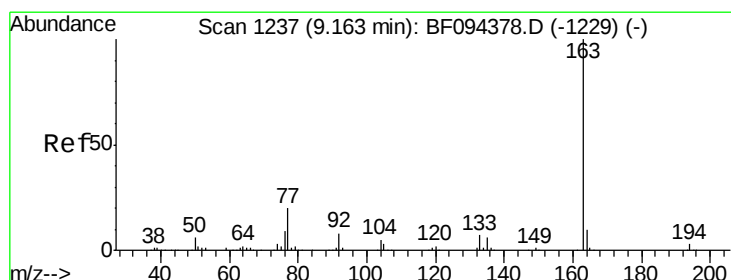
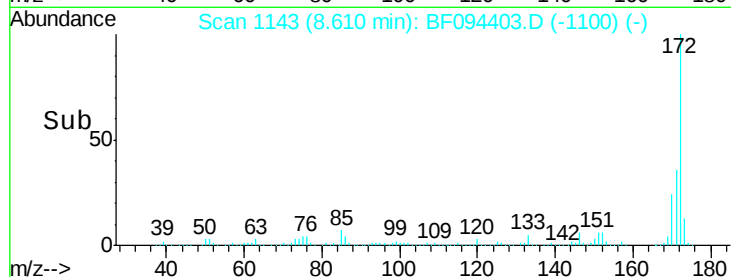
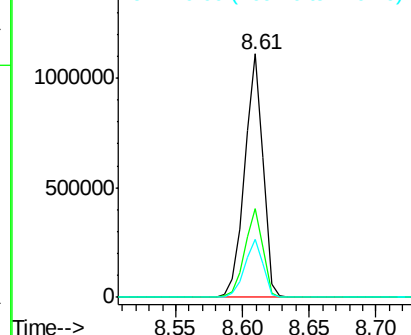
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.4	29.6	44.4	
170	23.7	19.8	29.8	

Manual Integrations
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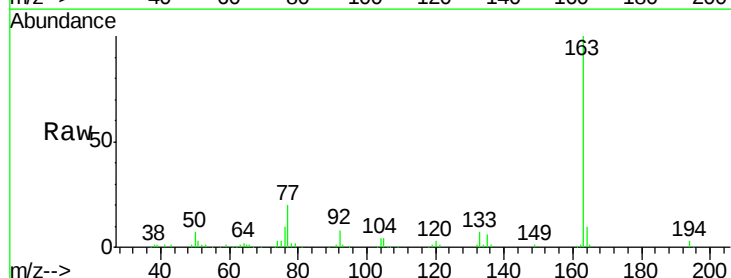


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

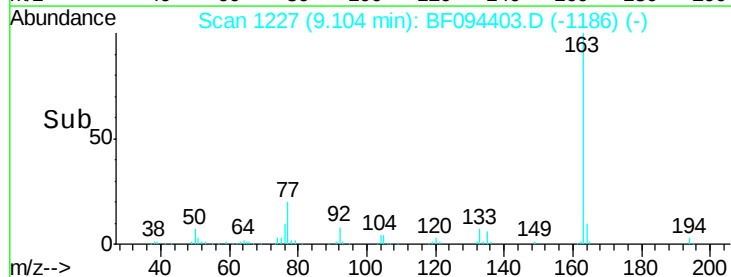
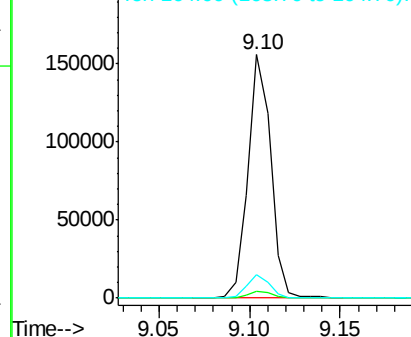


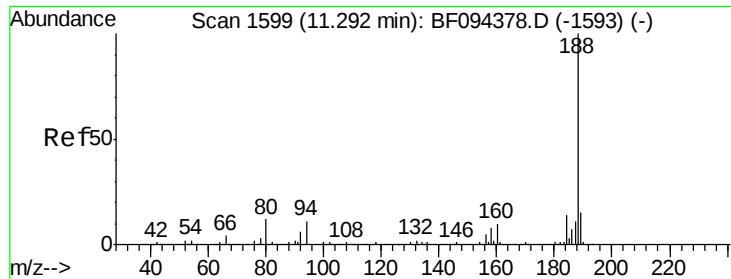
#49
Dimethylphthalate
Concen: 7.19 ng
RT: 9.10 min Scan# 1227
Delta R.T. -0.06 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	2.8	2.6	4.0	
164	9.8	8.4	12.6	



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





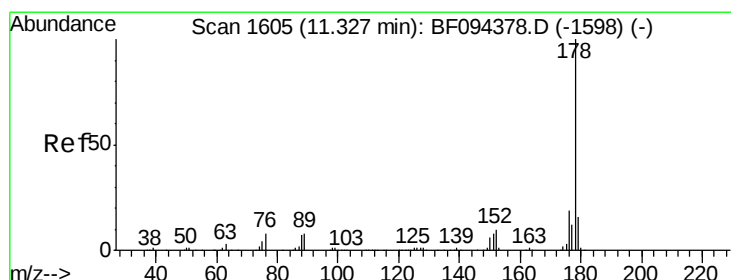
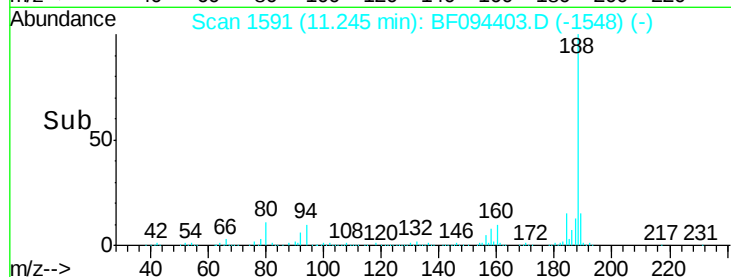
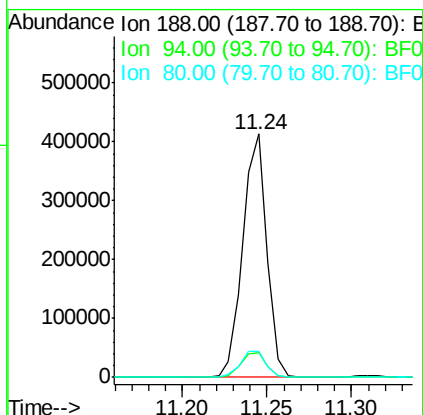
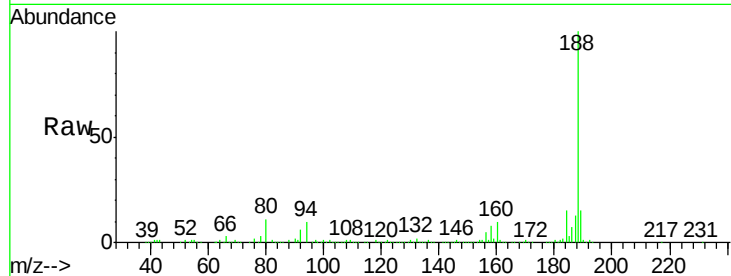
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1591
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	410827		
94	10.1		9.4	14.2
80	10.9		10.2	15.2

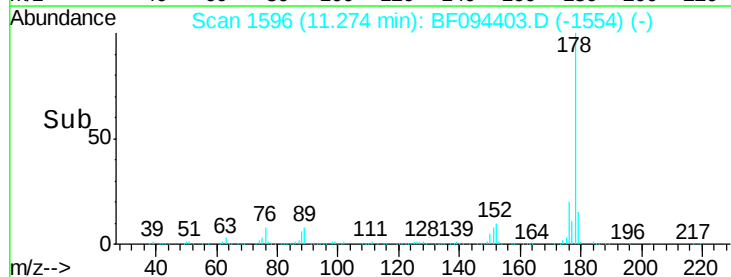
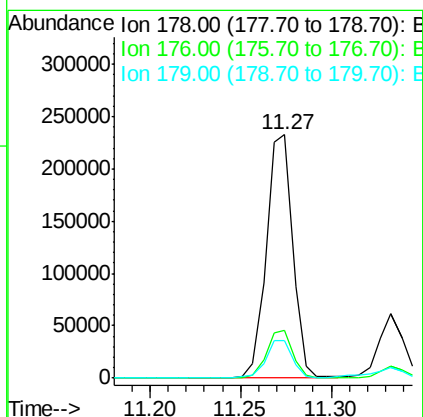
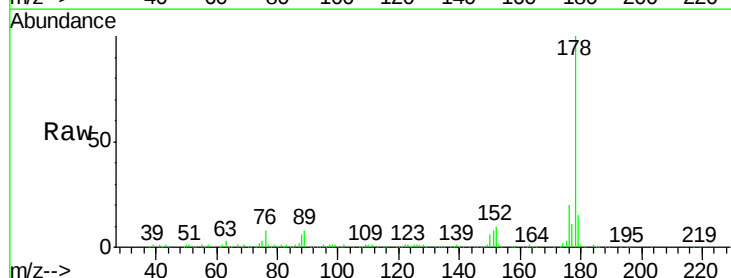
Manual Integrations
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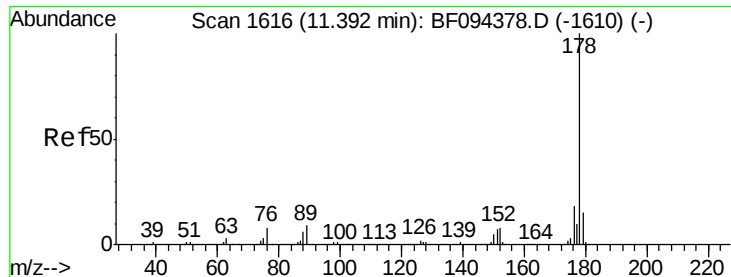
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#70
Phenanthrene
Concen: 10.31 ng
RT: 11.27 min Scan# 1596
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	235705		
176	19.5		16.2	24.4
179	15.3		12.6	19.0





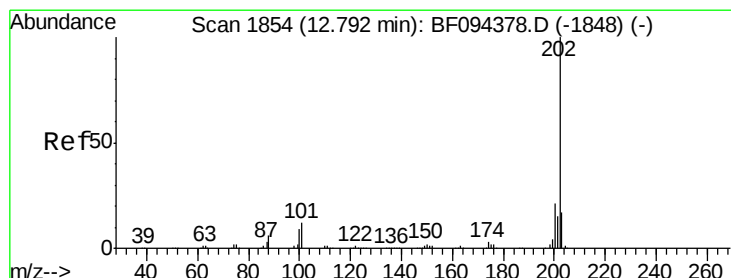
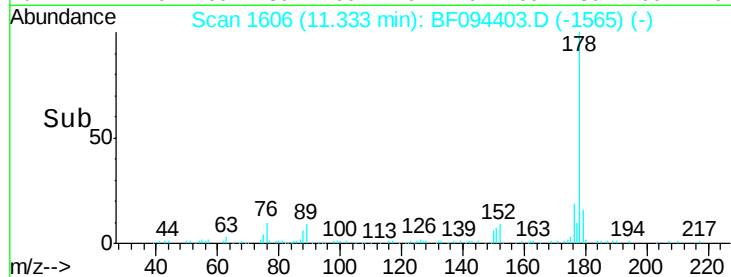
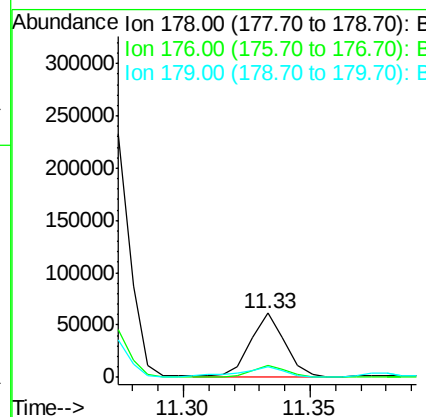
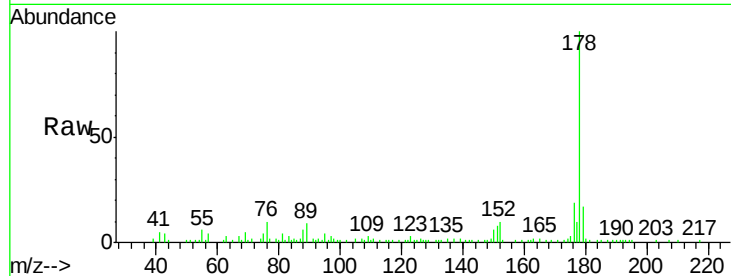
#71
 Anthracene
 Concen: 2.43 ng
 RT: 11.33 min Scan# 1606
 Delta R.T. -0.06 min
 Lab File: BF094403.D
 Acq: 13 Apr 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	17.2	12.7	19.1

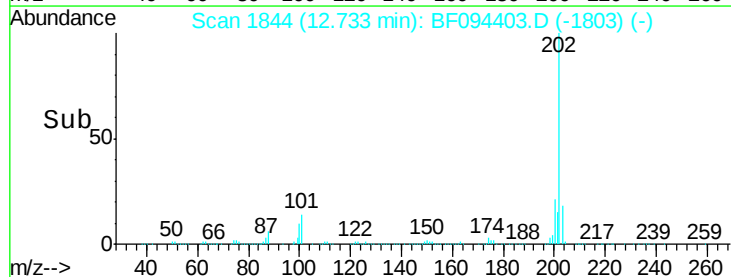
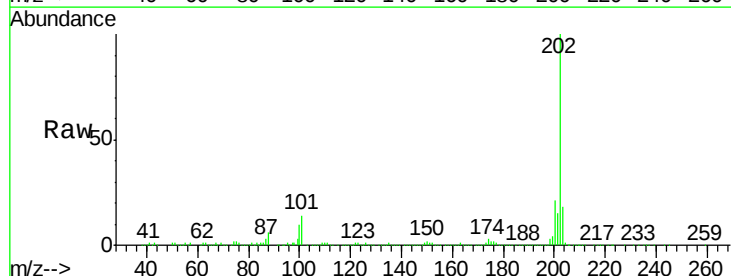
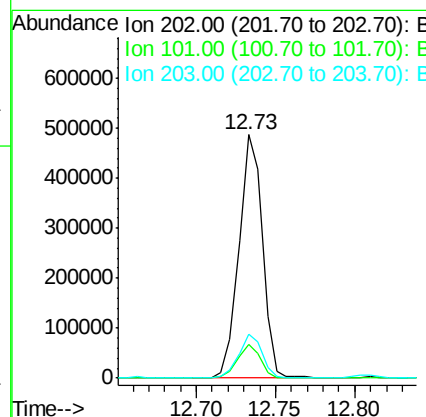
Manual Integrations
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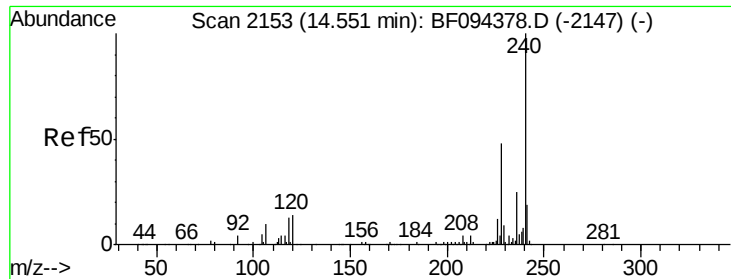
mohammad
 4/14/2017 1:37:01 PM



#74
 Fluoranthene
 Concen: 21.33 ng
 RT: 12.73 min Scan# 1844
 Delta R.T. -0.06 min
 Lab File: BF094403.D
 Acq: 13 Apr 2017 21:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.49 min Scan# 2143

Delta R.T. -0.06 min

Lab File: BF094403.D

Acq: 13 Apr 2017 21:07

Instrument :

BNA_F

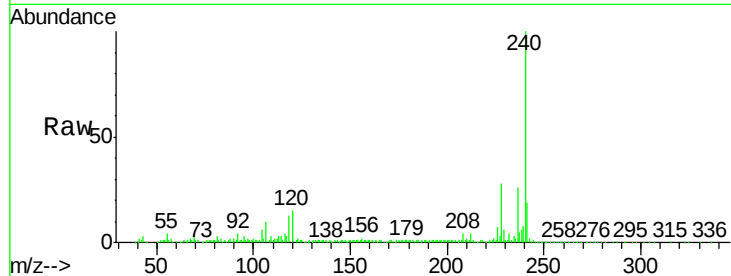
ClientSampleId :

AREA-1-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.7	20.5	30.7

Manual Integrations
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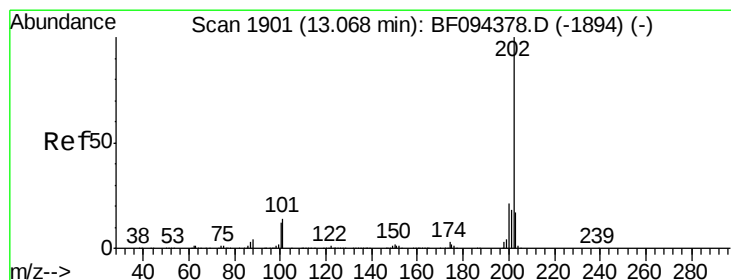
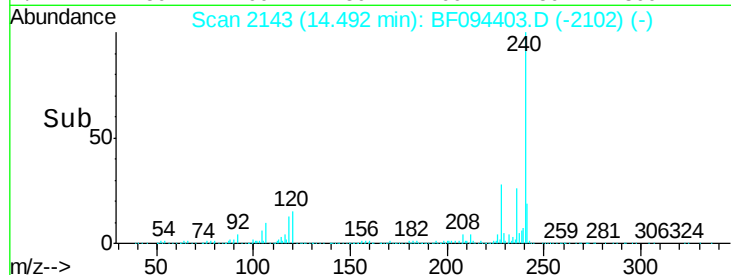
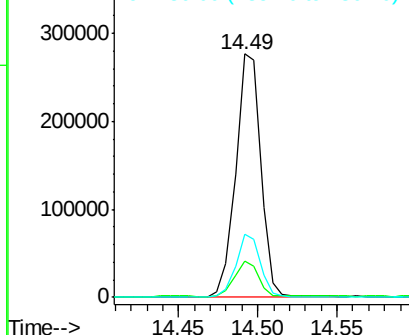
mohammad
4/14/2017 1:37:01 PM



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: 21.72 ng

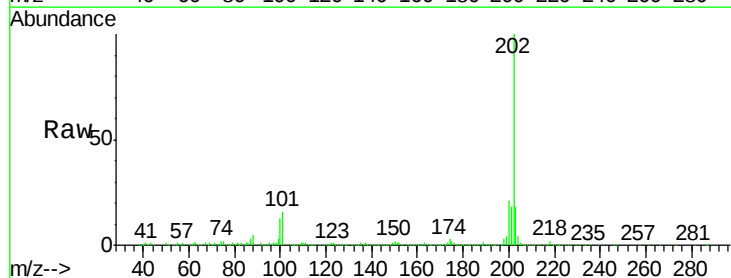
RT: 13.01 min Scan# 1891

Delta R.T. -0.06 min

Lab File: BF094403.D

Acq: 13 Apr 2017 21:07

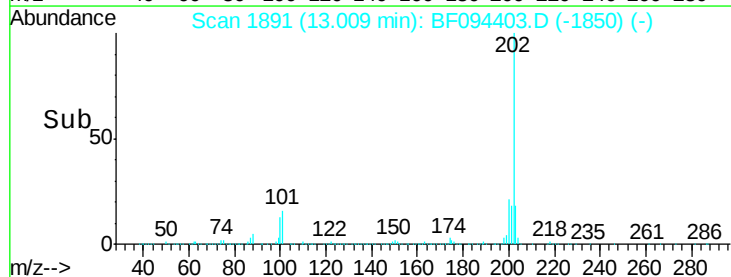
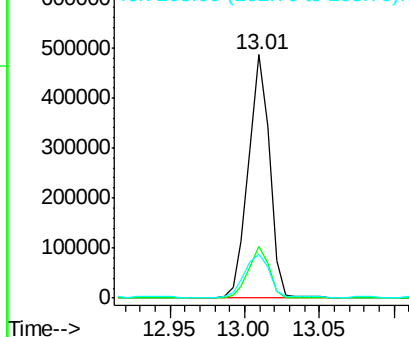
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.1	14.4	21.6

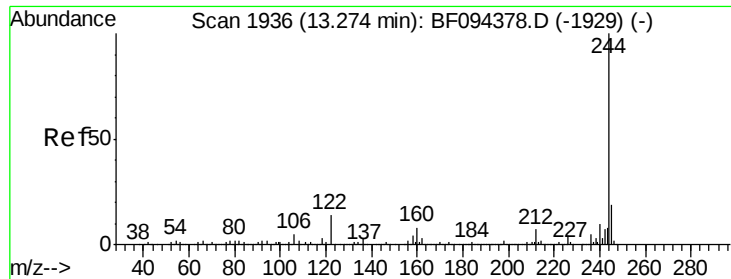


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





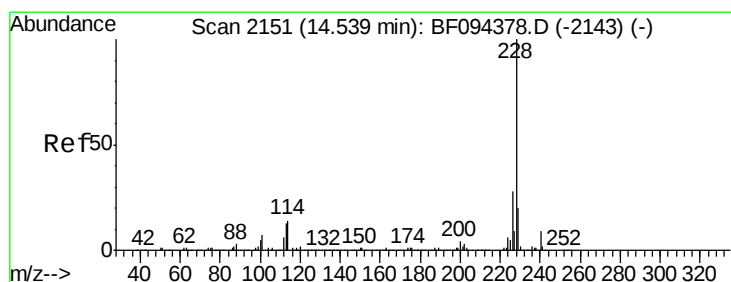
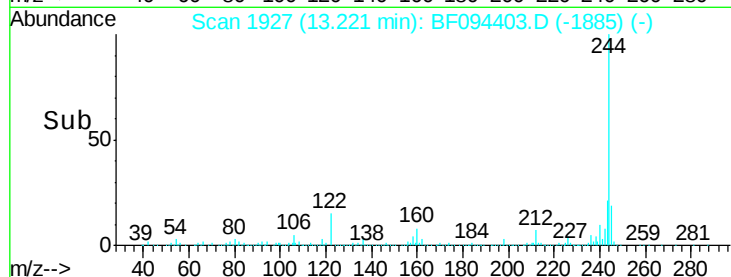
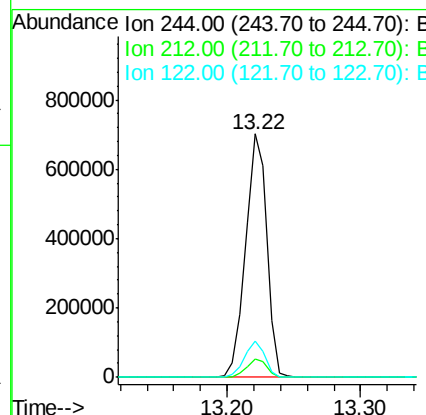
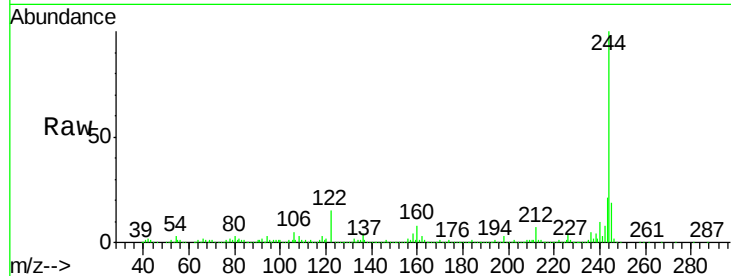
#78
 Terphenyl-d14
 Concen: 57.06 ng
 RT: 13.22 min Scan# 1927
 Delta R.T. -0.05 min
 Lab File: BF094403.D
 Acq: 13 Apr 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.8	10.3	15.5

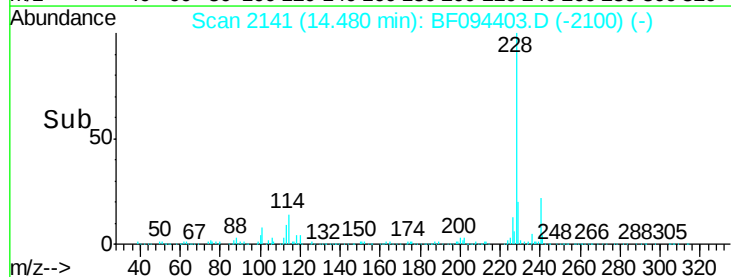
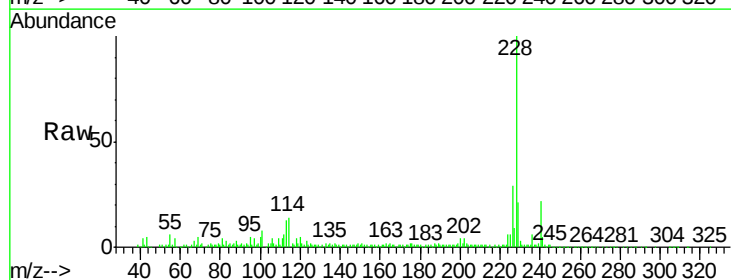
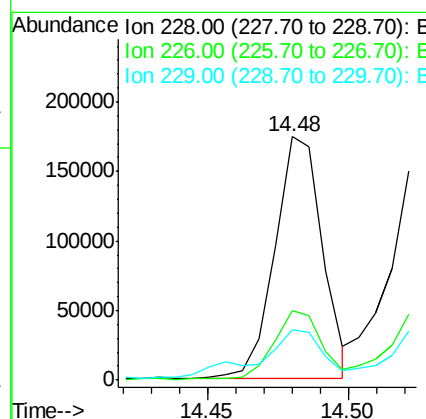
Manual Integrations
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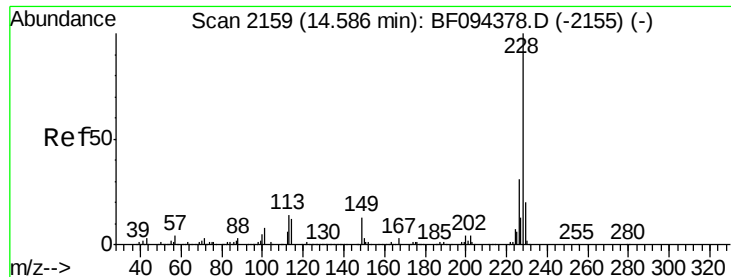
mohammad
 4/14/2017 1:37:01 PM



#80
 Benzo(a)anthracene
 Concen: 11.45 ng
 RT: 14.48 min Scan# 2141
 Delta R.T. -0.06 min
 Lab File: BF094403.D
 Acq: 13 Apr 2017 21:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.5	16.3	24.5





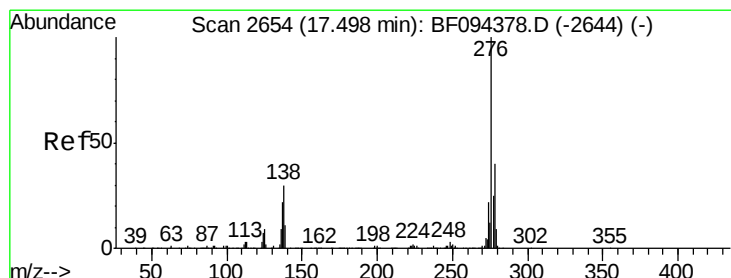
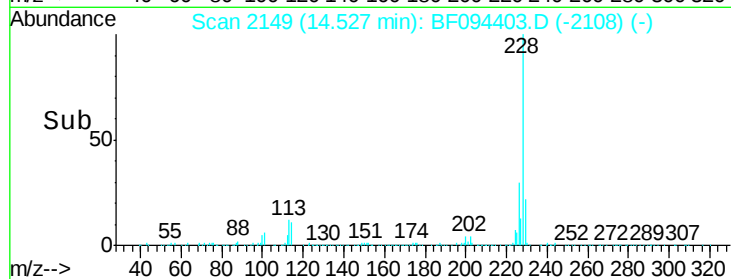
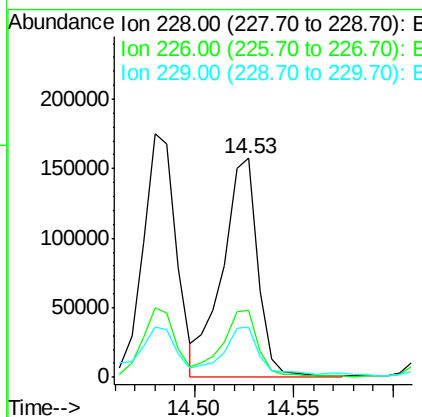
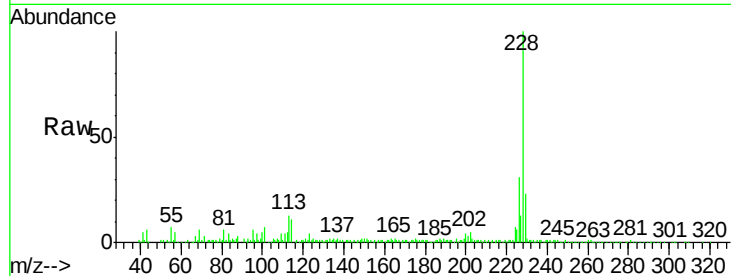
#82
Chrysene
Concen: 11.96 ng/ml
RT: 14.53 min Scan# 2149
Delta R.T. -0.06 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

Tot Ion:	228	Resp:	195897
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	23.0	15.8	23.6

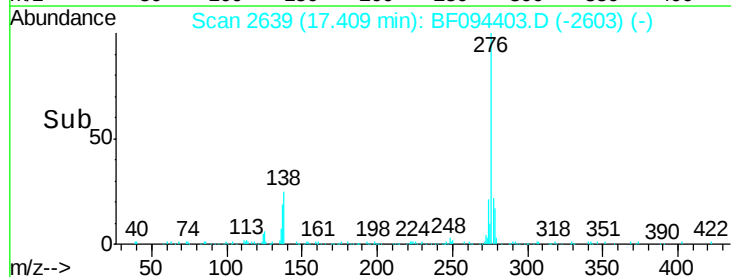
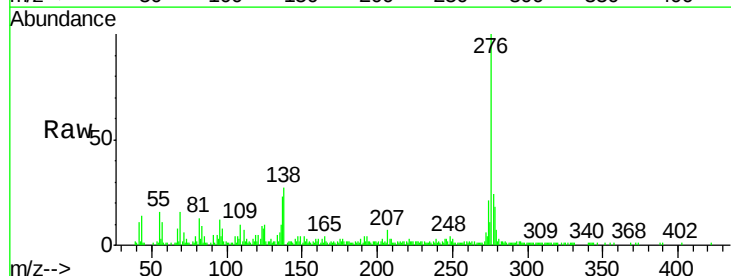
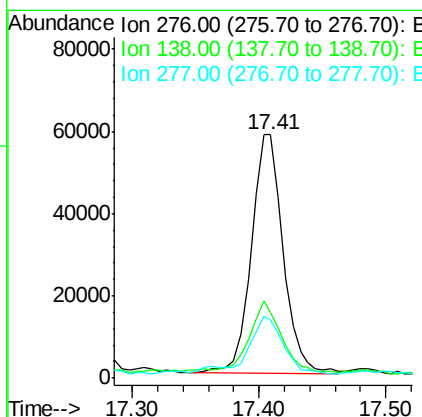
Manual Integrations
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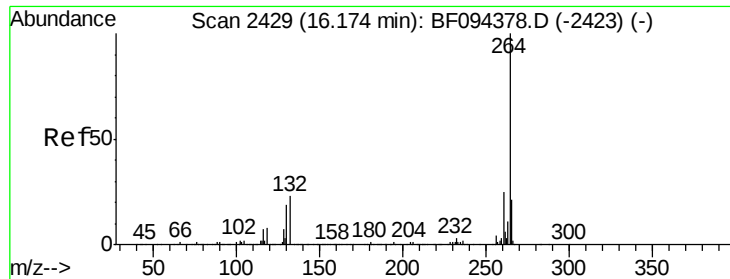
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.17 ng
RT: 17.41 min Scan# 2639
Delta R.T. -0.09 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Tgt Ion:	276	Resp:	101685
Ion Ratio	Lower	Upper	
276	100		
138	30.6	27.8	41.6
277	24.1	20.2	30.4





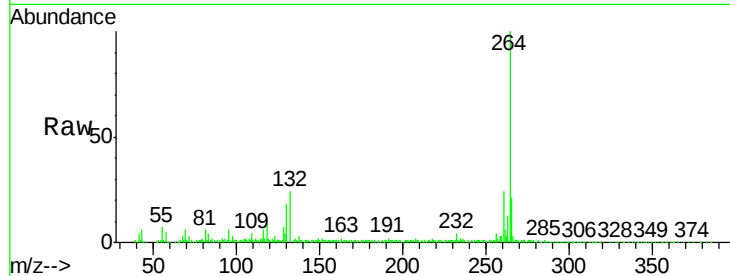
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.3	17.2	25.8

Manual Integrations
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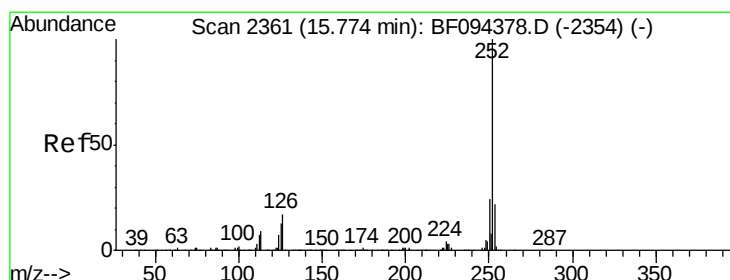
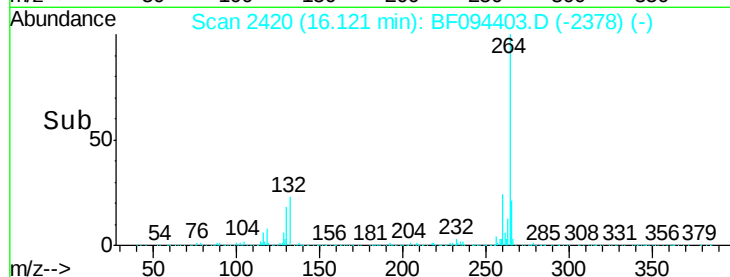
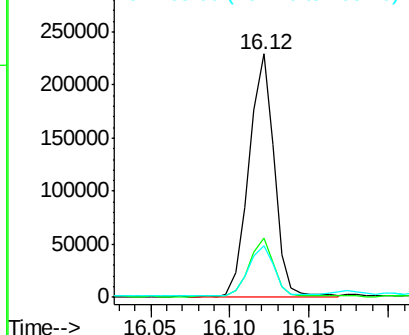


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 14.92 ng m
RT: 15.72 min Scan# 2352
Delta R.T. -0.05 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

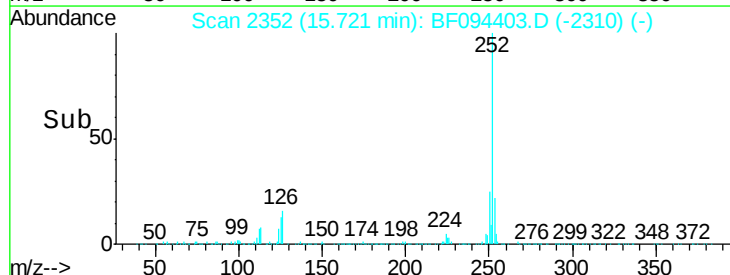
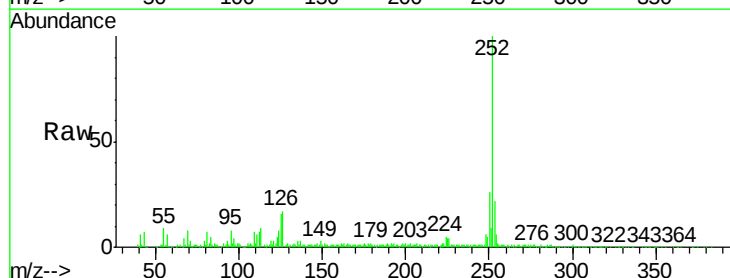
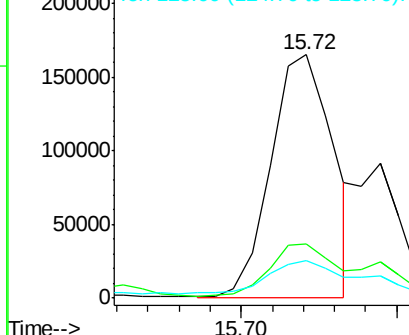
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	15.5	9.8	14.8#

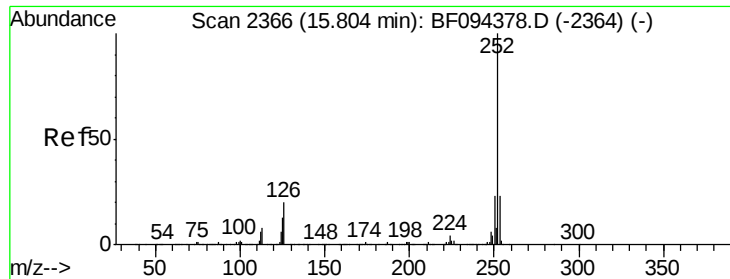
Abundance

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





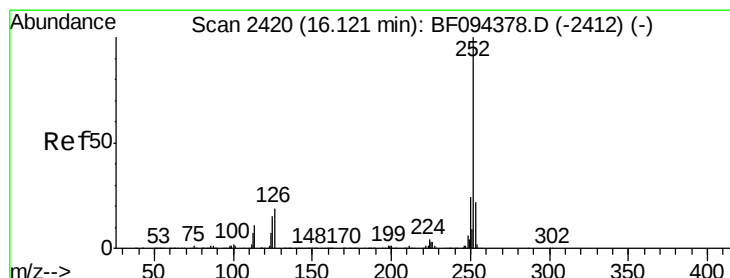
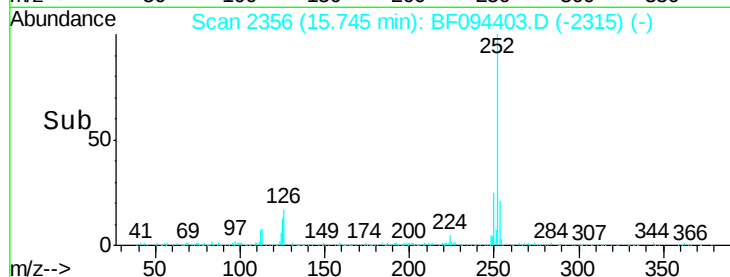
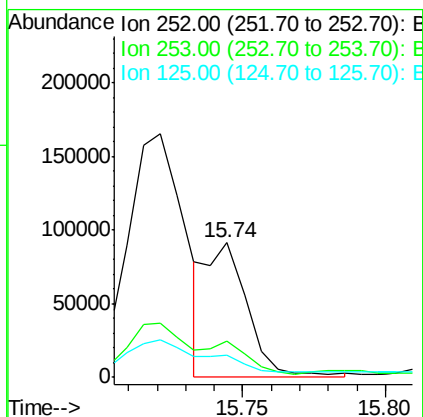
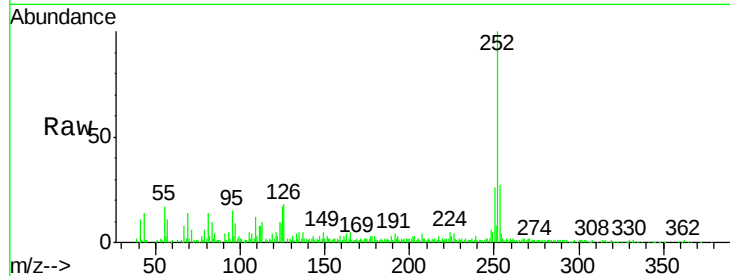
#88
Benzo(k)fluoranthene
Concen: 6.00 ng m
RT: 15.74 min Scan# 2356
Delta R.T. -0.06 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Instrument :
BNA_F
ClientSampleId :
AREA-1-COMP

Tot Ion:	252	Resp:	90717
Ion Ratio	Lower	Upper	
252	100		
253	26.7	18.4	27.6
125	16.9	13.1	19.7

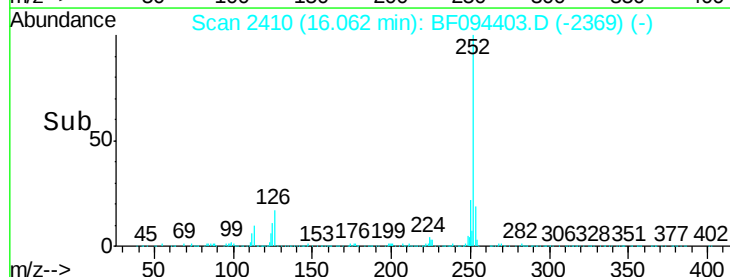
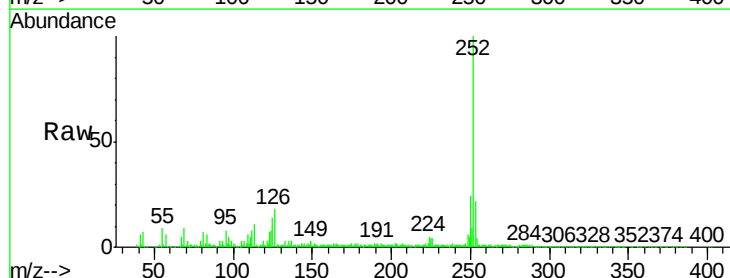
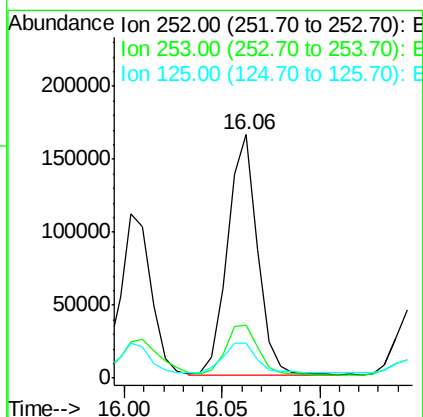
Manual Integrations
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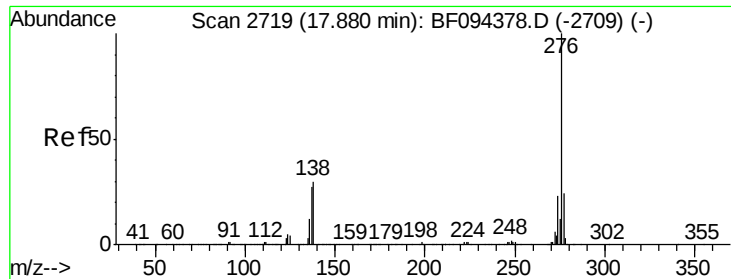
mohammad
4/14/2017 1:37:01 PM



#89
Benzo(a)pyrene
Concen: 12.24 ng
RT: 16.06 min Scan# 2410
Delta R.T. -0.06 min
Lab File: BF094403.D
Acq: 13 Apr 2017 21:07

Tgt Ion:	252	Resp:	174316
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	14.4	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 10.37 ng
 RT: 17.79 min Scan# 2703
 Delta R.T. -0.09 min
 Lab File: BF094403.D
 Acq: 13 Apr 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 AREA-1-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	32.2	25.4	38.0

Manual Integrations
 APPROVED

mohammad
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