

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093024.D
 Acq On : 17 Feb 2017 21:31
 Operator : SJ/MA
 Sample : I1884-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-C-COMP

Manual Integrations
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mohammad
 2/20/2017 1:00:05 PM

Quant Time: Feb 20 00:25:10 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	6.85	152	167185	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	624811	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	287792	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	463046	20.00	ng	0.00
75) Chrysene-d12	14.02	240	310940	20.00	ng	0.00
86) Perylene-d12	15.45	264	303459	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1200966	123.24	ng	0.01
7) Phenol-d6	6.50	99	1335967	106.55	ng	0.01
23) Nitrobenzene-d5	7.42	82	868854	77.44	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	231575	111.25	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1452401	91.43	ng	0.00
78) Terphenyl-d14	12.96	244	1023805	77.37	ng	-0.01
Target Compounds						
10) Phenol	6.51	94	127479	8.69	ng	Qvalue # 73
49) Dimethylphthalate	9.61	163	215553	11.12	ng	99
70) Phenanthrene	11.40	178	361807	13.64	ng	96
71) Anthracene	11.45	178	98622	3.70	ng	96
74) Fluoranthene	12.59	202	908526	33.20	ng	96
77) Pyrene	12.82	202	820751	35.27	ng	98
80) Benzo(a)anthracene	14.01	228	421671	22.17	ng	98
82) Chrysene	14.04	228	376023	21.12	ng	97
85) Indeno(1,2,3-cd)pyrene	16.85	276	191526	13.89	ng	96
87) Benzo(b)fluoranthene	15.04	252	448480m	22.45	ng	
88) Benzo(k)fluoranthene	15.05	252	185783m	10.77	ng	
89) Benzo(a)pyrene	15.39	252	329057	19.05	ng	99
90) Dibenzo(a,h)anthracene	16.87	278	48754m	3.49	ng	
91) Benzo(g,h,i)perylene	17.28	276	182179	12.91	ng	# 89

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

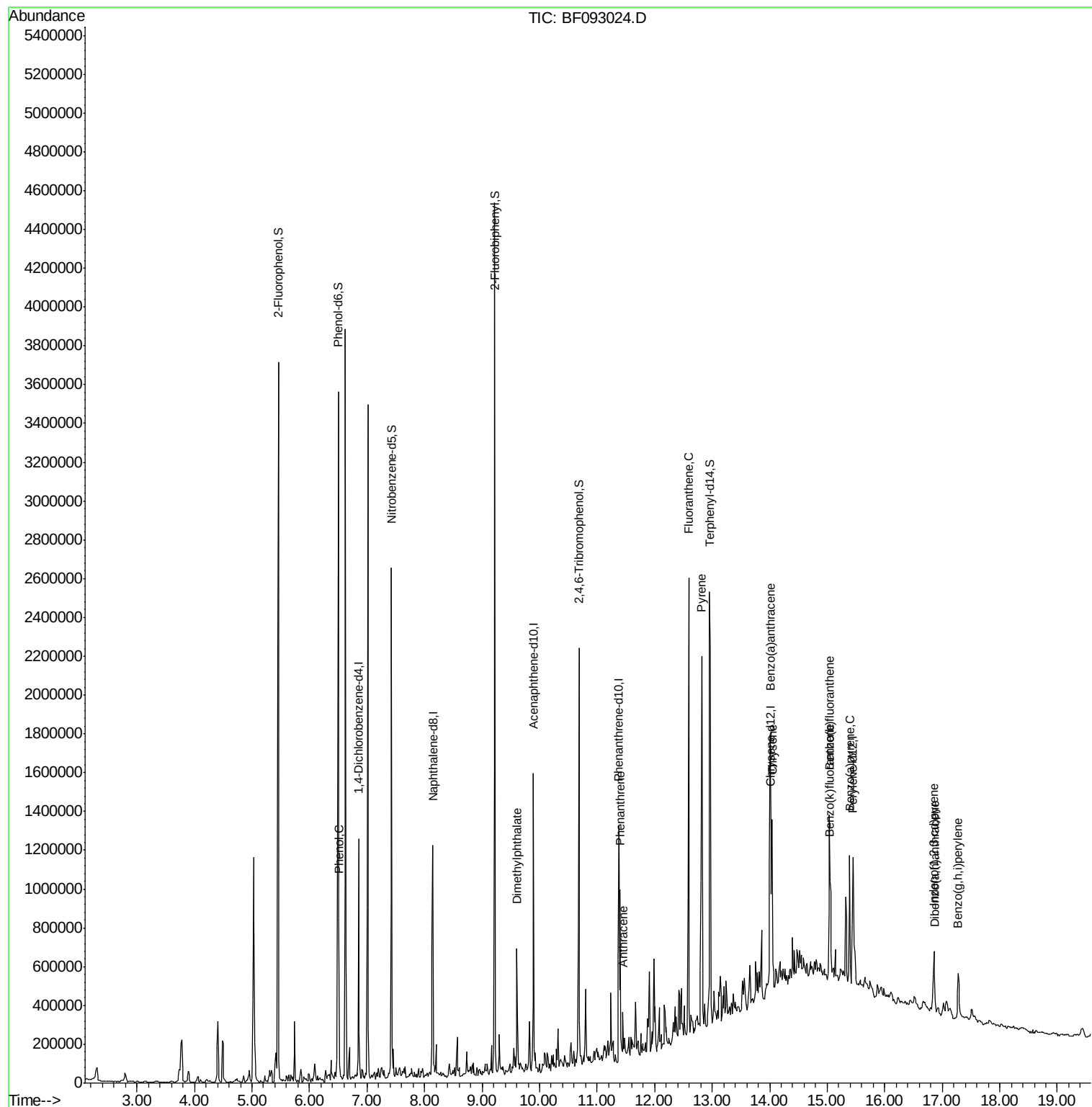
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093024.D
Acq On : 17 Feb 2017 21:31
Operator : SJ/MA
Sample : I1884-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

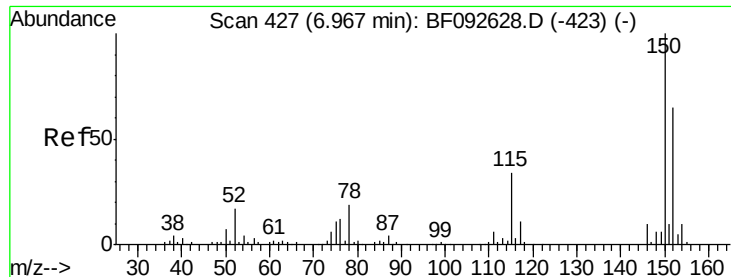
Instrument :
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#1

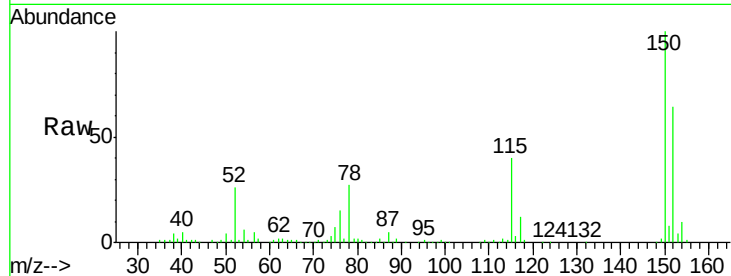
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.9	187.3
115	63.2	46.0	69.0

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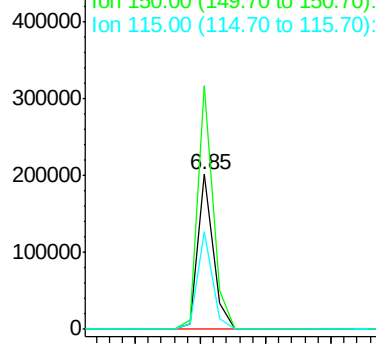


Abundance

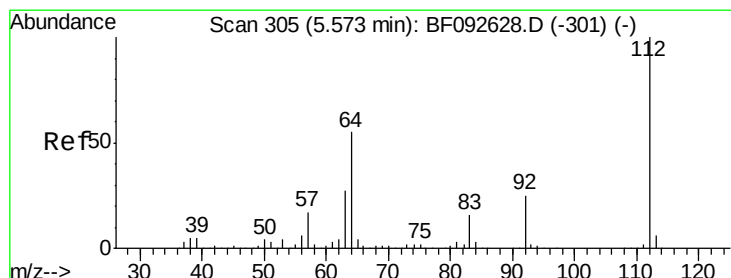
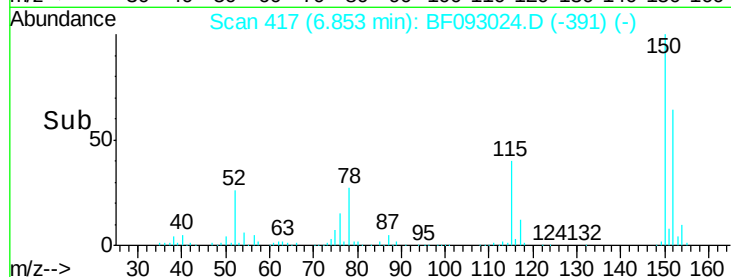
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



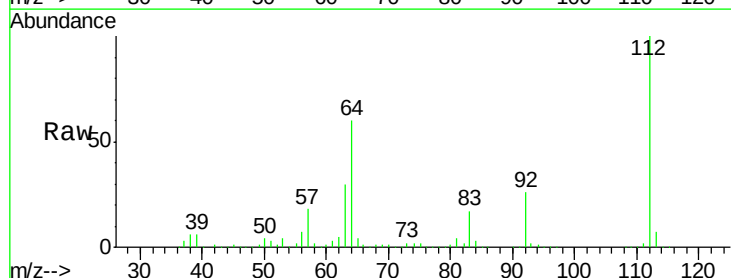
Time-->



#5

2-Fluorophenol
Concen: 123.24 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	46.1	69.1
63	30.1	23.8	35.6

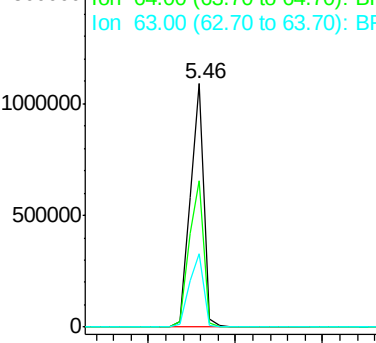


Abundance

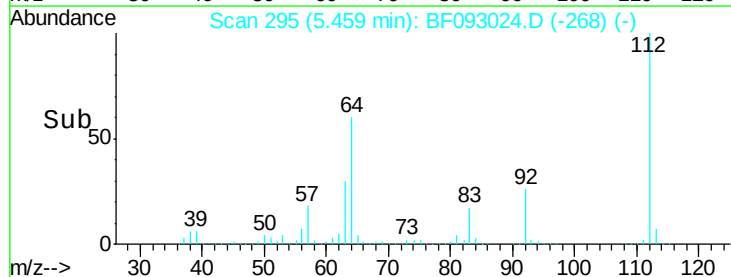
Ion 112.00 (111.70 to 112.70): E

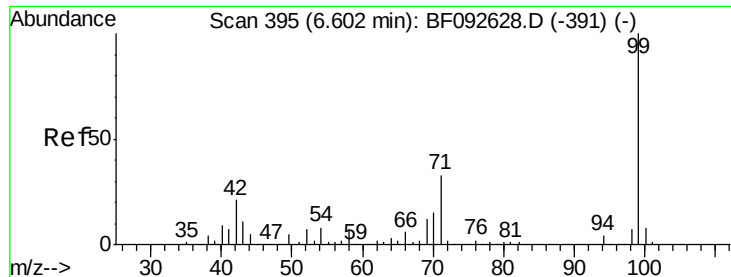
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 106.55 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093024.D

Acq: 17 Feb 2017 21:31

Instrument :

BNA_F

ClientSampleId :

PIT-C-COMP

Tgt Ion: 99 Resp: 1335967

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

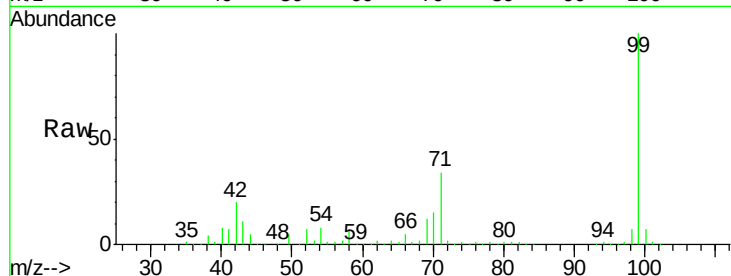
71 33.6 27.5 41.3

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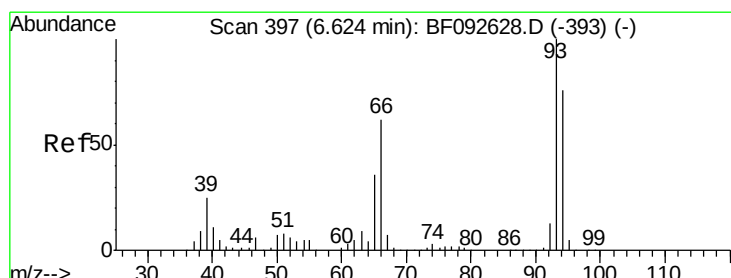
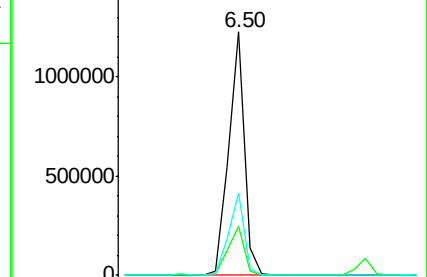
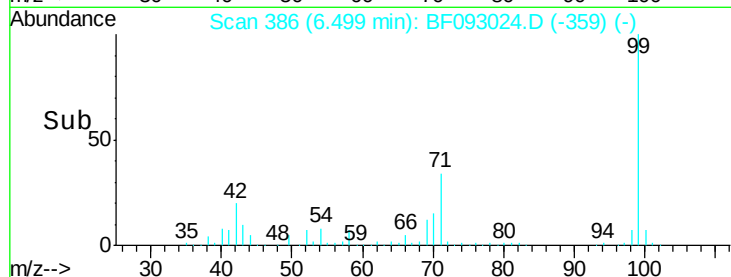
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.69 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF093024.D

Acq: 17 Feb 2017 21:31

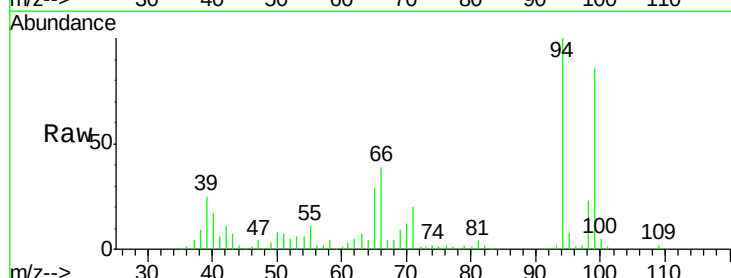
Tgt Ion: 94 Resp: 127479

Ion Ratio Lower Upper

94 100

65 28.7 21.4 61.4

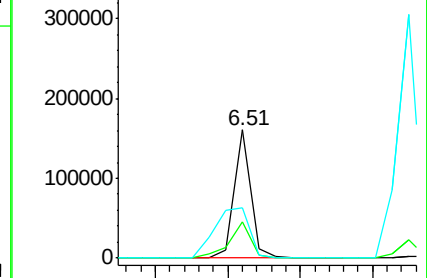
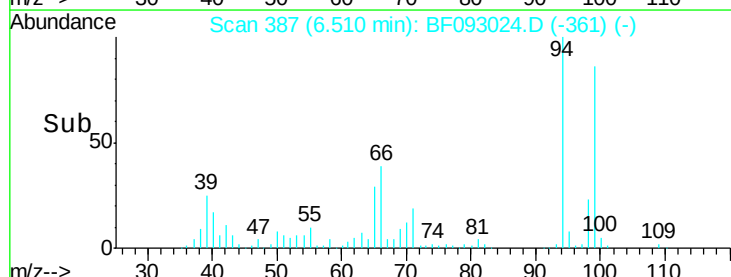
66 39.1 44.0 84.0#

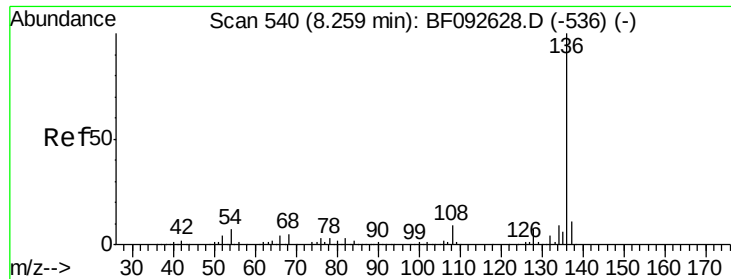


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





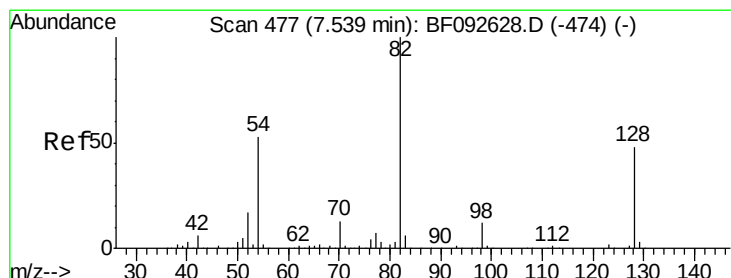
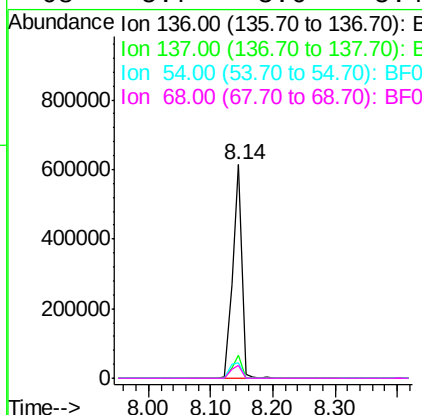
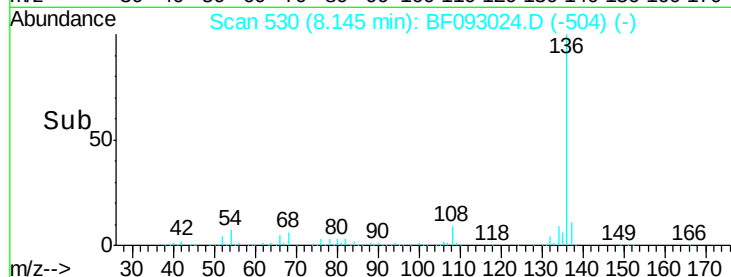
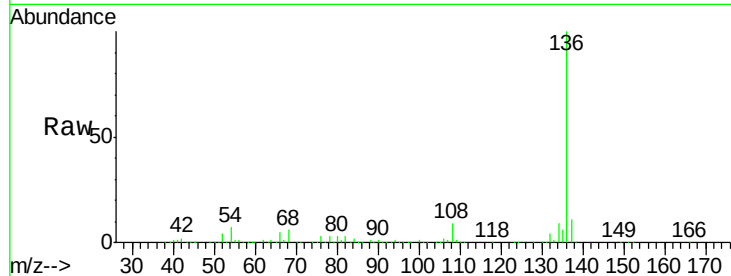
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion:	136	Resp:	624811
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.4	12.6
54	7.4	4.5	6.7#
68	5.7	3.6	5.4#

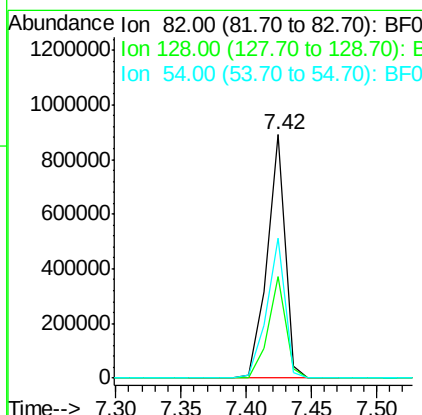
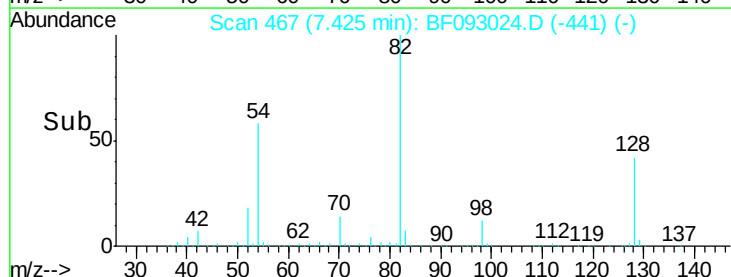
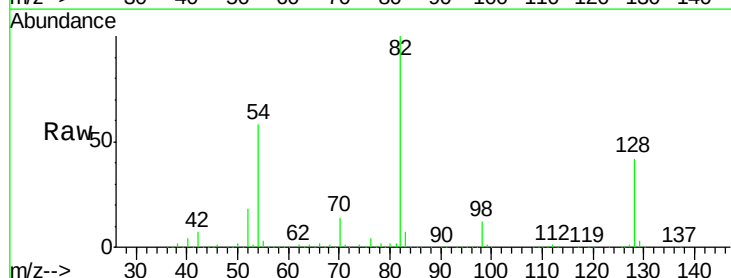
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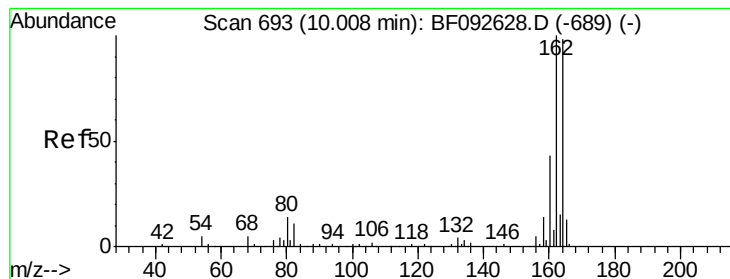
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#23
Nitrobenzene-d5
Concen: 77.44 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion:	82	Resp:	868854
Ion Ratio	Lower	Upper	
82	100		
128	41.7	34.6	52.0
54	57.5	39.5	59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093024.D

Acq: 17 Feb 2017 21:31

Instrument :

BNA_F

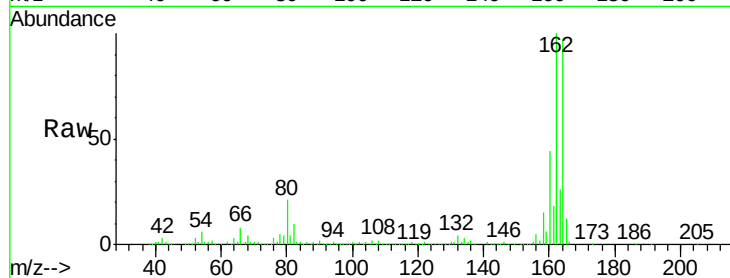
ClientSampleId :

PIT-C-COMP

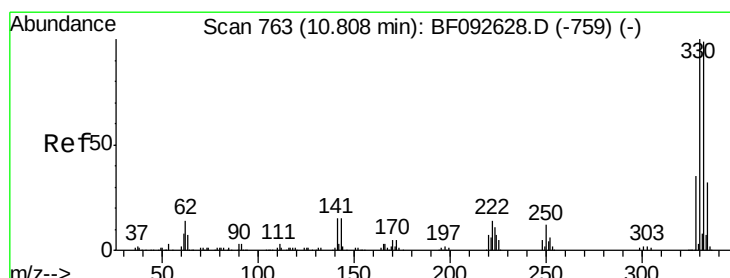
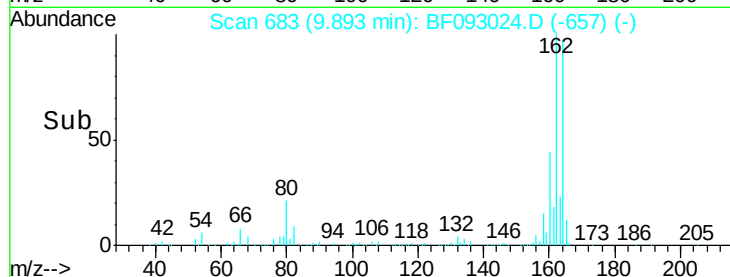
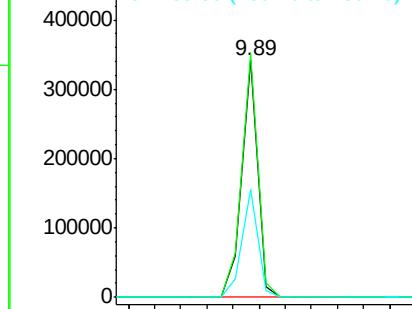
Tgt Ion:	164	Resp:	287792
Ion Ratio	Lower	Upper	
164	100		
162	102.8	80.2	120.2
160	45.4	36.9	55.3

Manual Integrations
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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: 111.25 ng

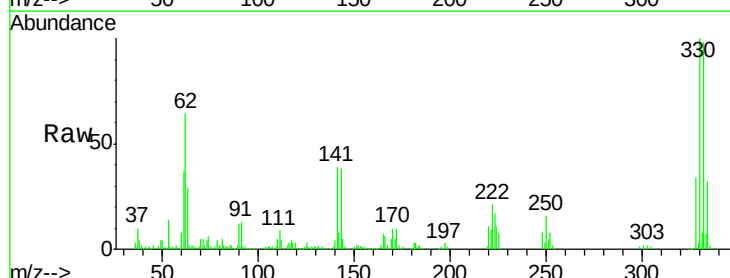
RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

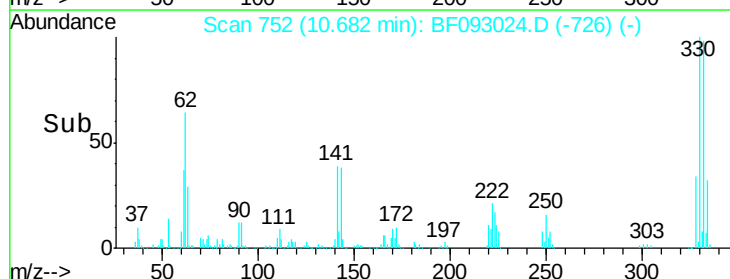
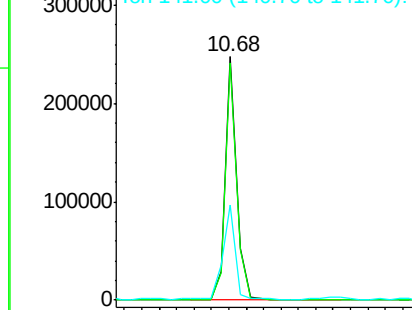
Lab File: BF093024.D

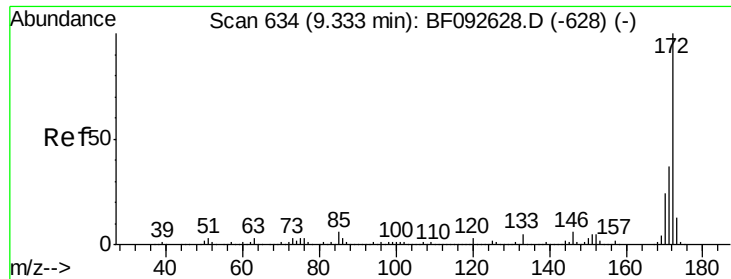
Acq: 17 Feb 2017 21:31

Tgt Ion:	330	Resp:	231575
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.4	116.2
141	43.1	34.1	51.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





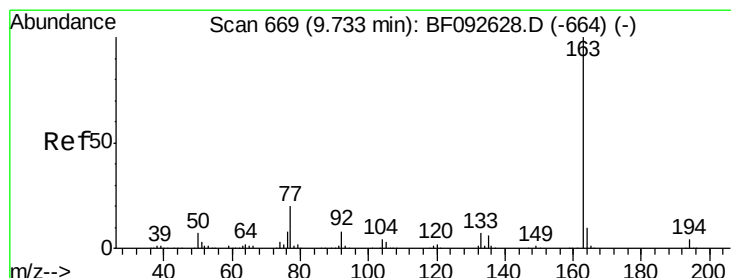
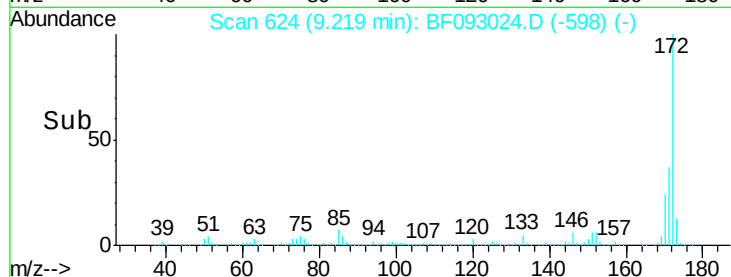
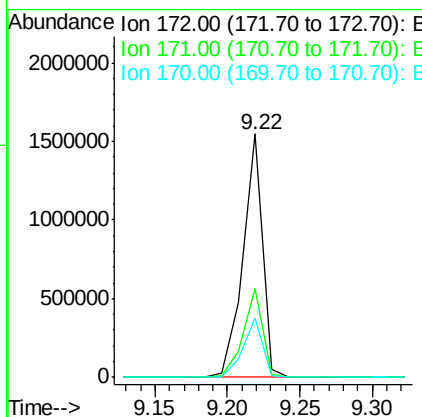
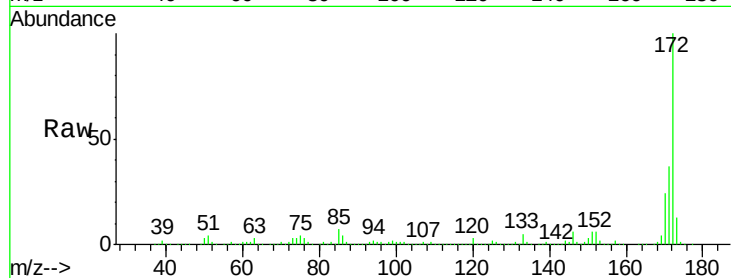
#44
2-Fluorobiphenyl
Concen: 91.43 ng
RT: 9.22 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.3	20.2	30.4

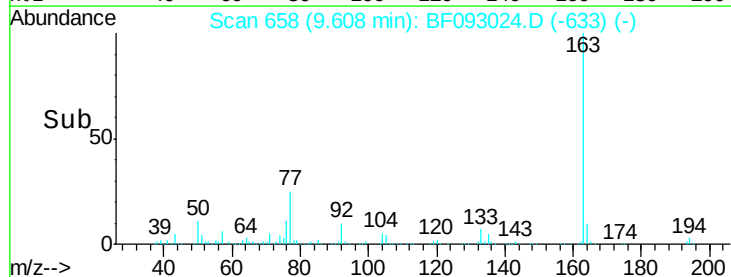
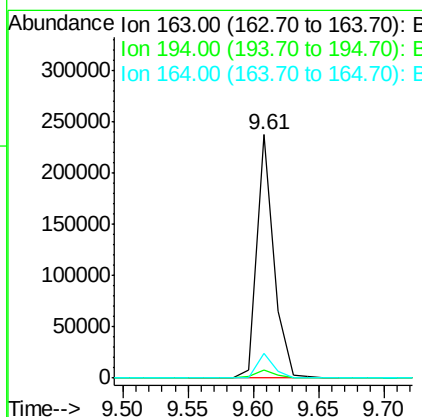
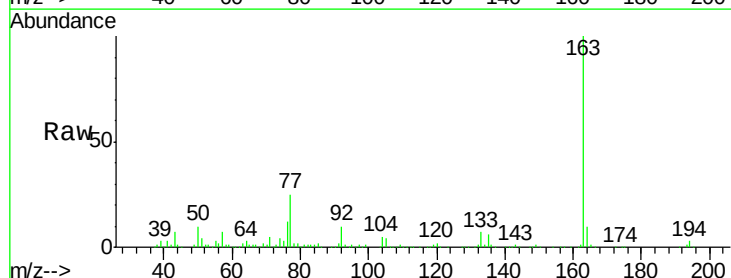
Manual Integrations
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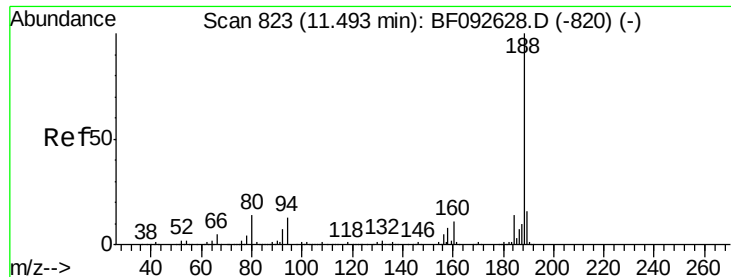
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#49
Dimethylphthalate
Concen: 11.12 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	10.3	8.0	12.0





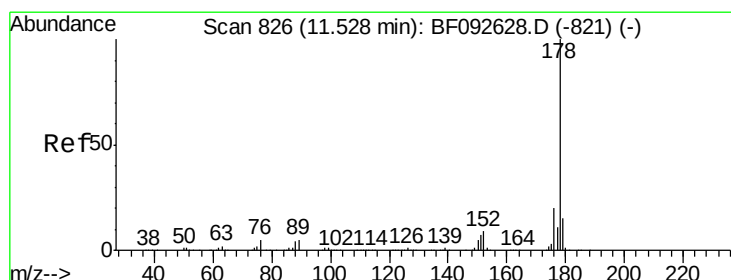
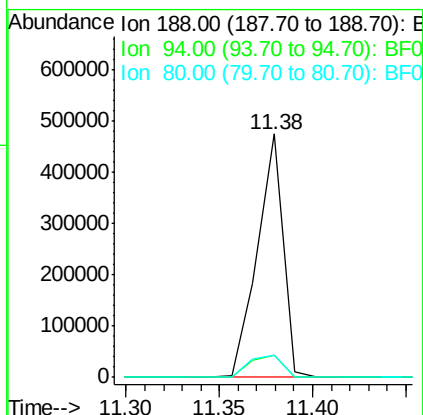
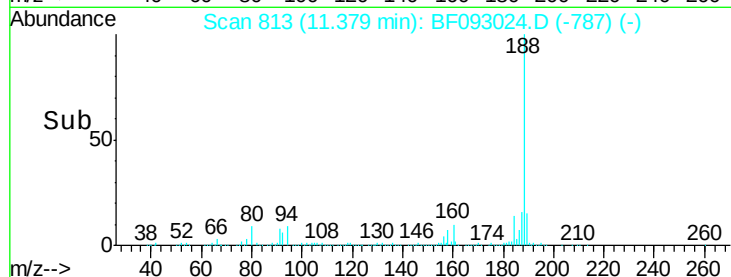
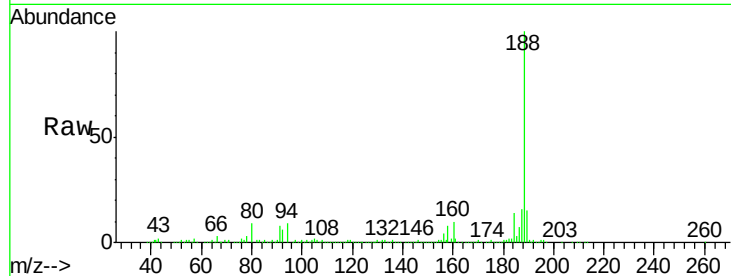
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	463046		
94	8.9	10.0	15.0#	
80	9.0	11.2	16.8#	

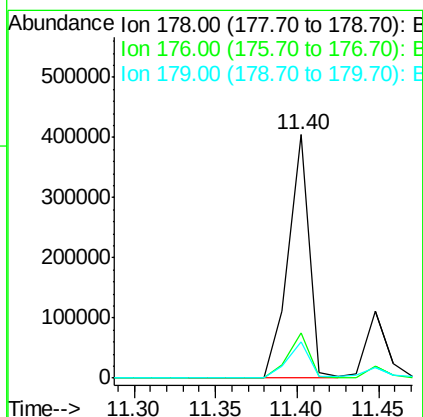
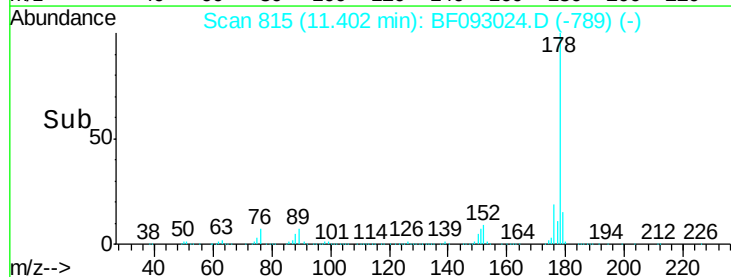
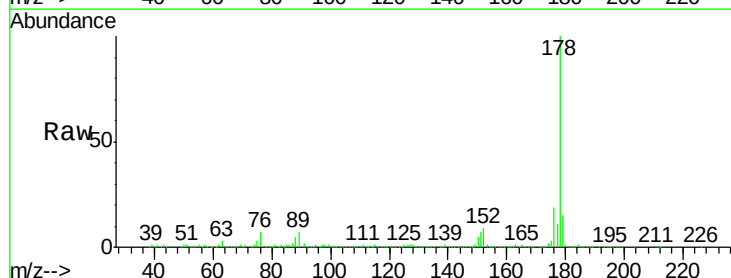
Manual Integrations
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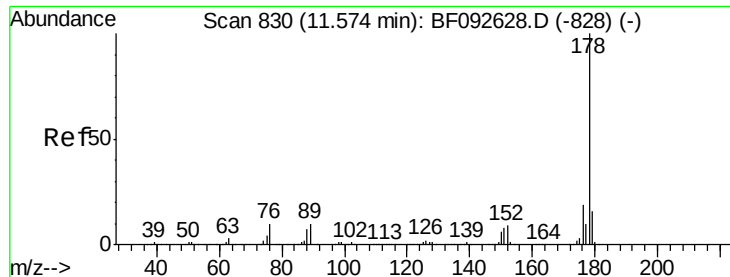
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#70
Phenanthrene
Concen: 13.64 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	361807		
176	18.6	16.6	25.0	
179	15.1	12.8	19.2	





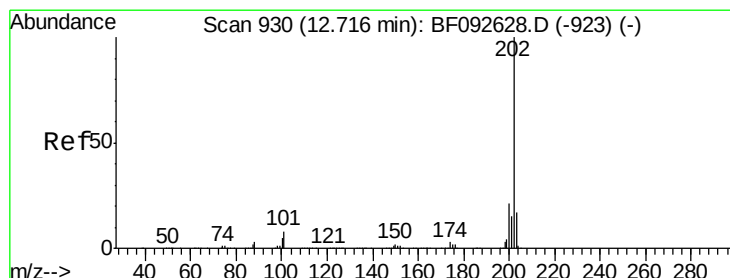
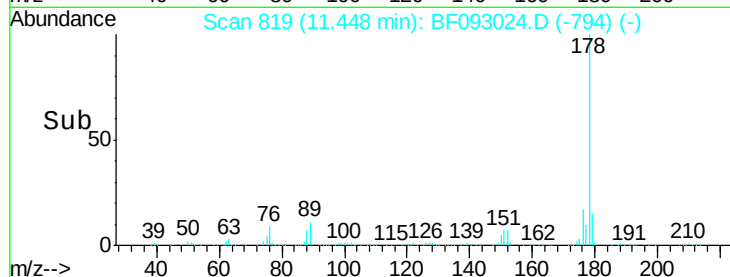
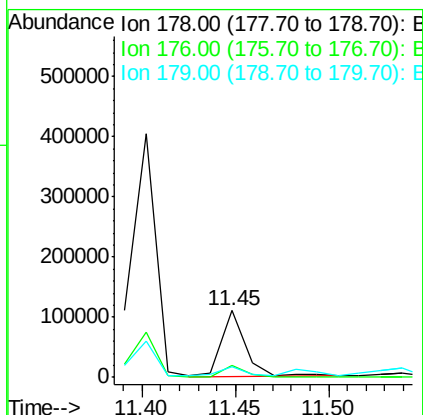
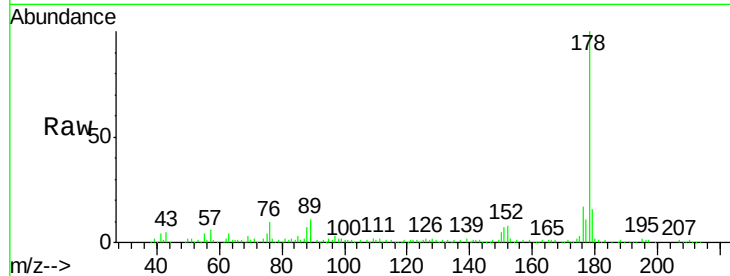
#71
 Anthracene
 Concen: 3.70 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF093024.D
 Acq: 17 Feb 2017 21:31

Instrument :
 BNA_F
 ClientSampled :
 PIT-C-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.9	23.9
179	15.7	13.2	19.8

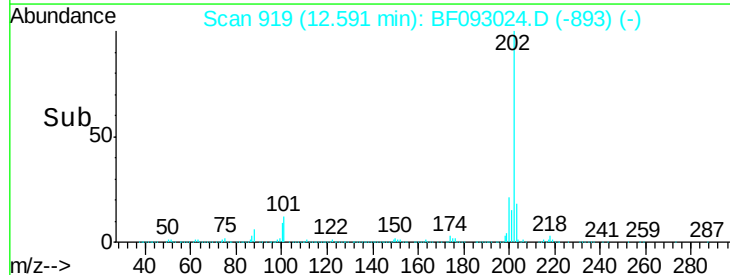
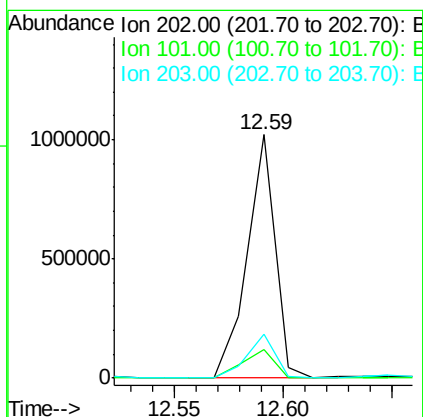
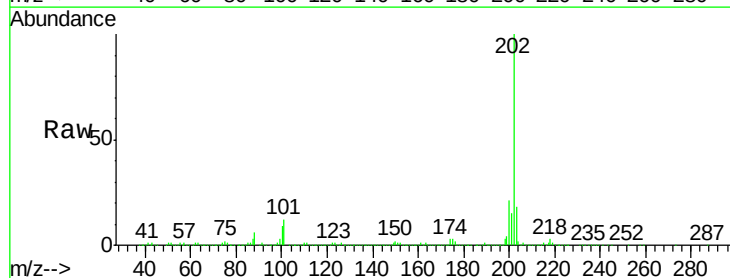
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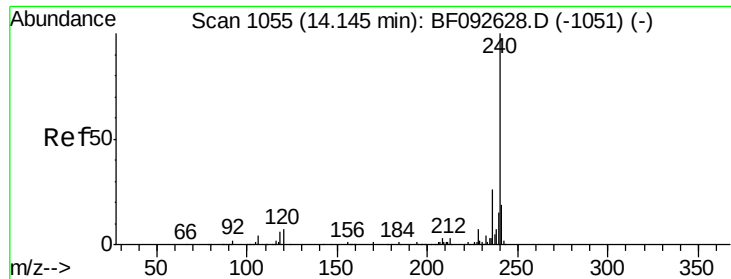
mohammad
 2/20/2017 1:00:05 PM



#74
 Fluoranthene
 Concen: 33.20 ng
 RT: 12.59 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BF093024.D
 Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.6
203	17.8	0.0	38.7





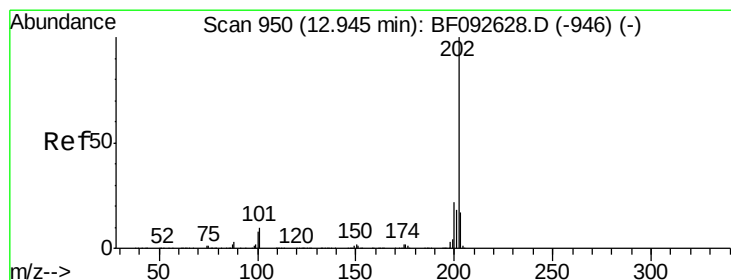
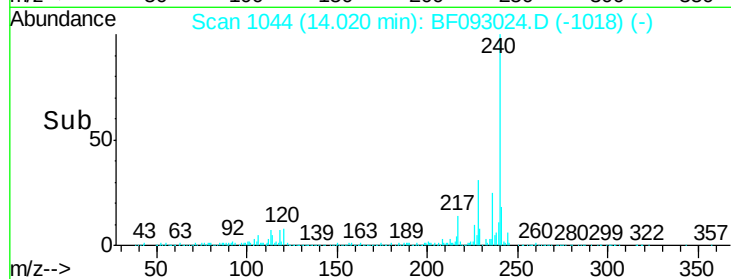
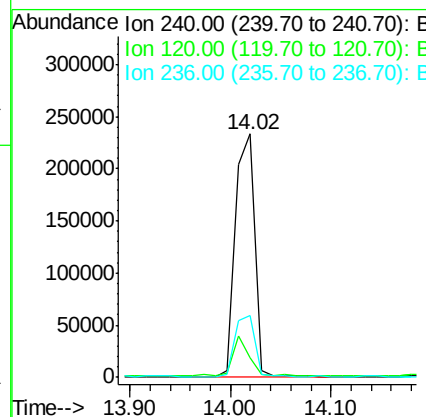
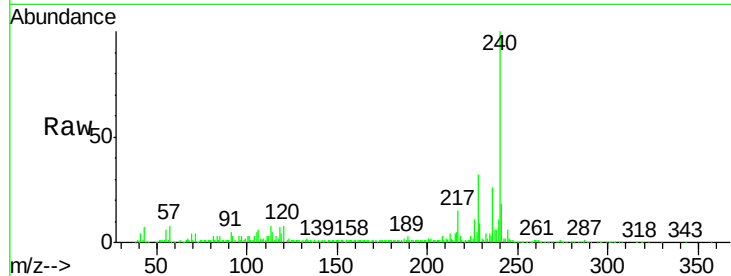
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	310940		
120	8.0	12.9	19.3#	
236	25.5	20.9	31.3	

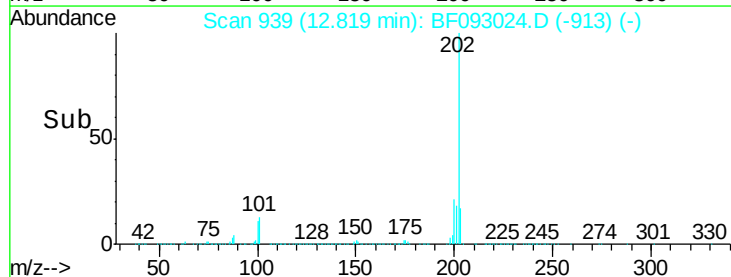
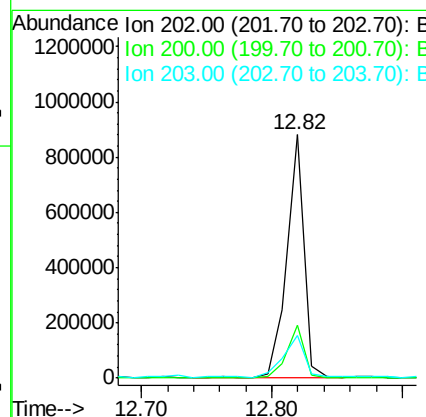
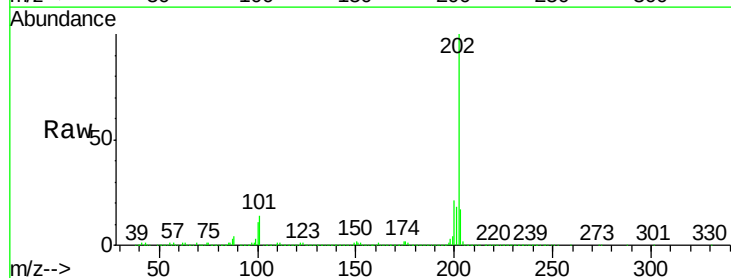
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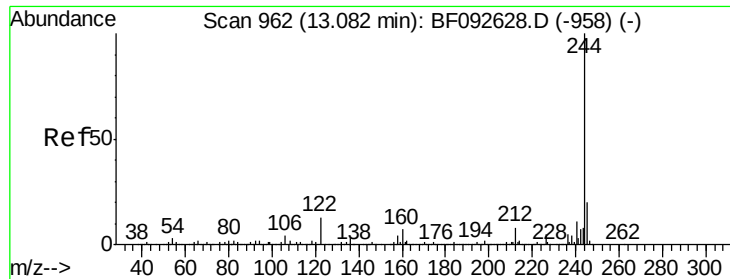
mohammad
2/20/2017 1:00:05 PM



#77
Pyrene
Concen: 35.27 ng
RT: 12.82 min Scan# 939
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	820751		
200	21.5	17.7	26.5	
203	17.4	14.7	22.1	





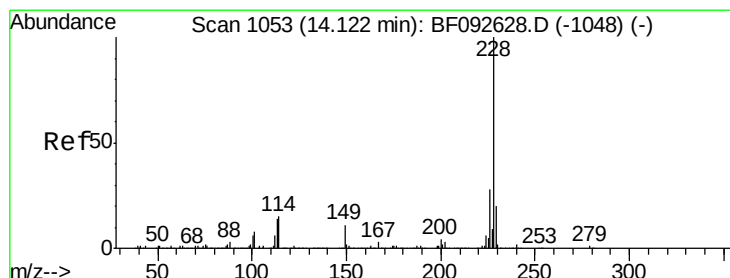
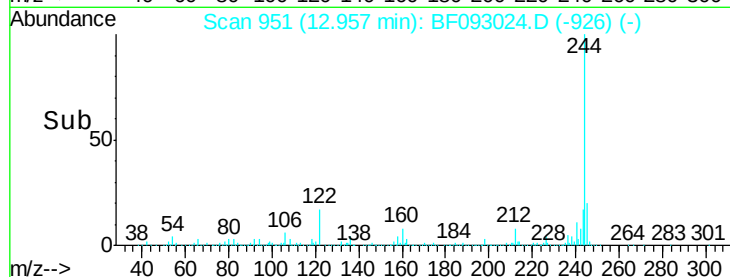
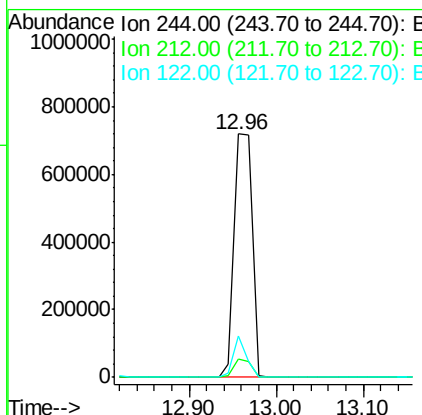
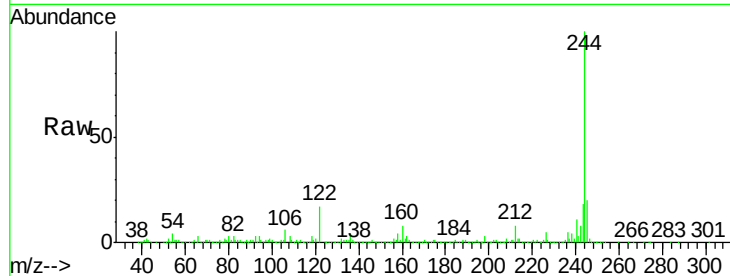
#78
 Terphenyl-d14
 Concen: 77.37 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093024.D
 Acq: 17 Feb 2017 21:31

Instrument :
 BNA_F
 ClientSampled :
 PIT-C-COMP

Tgt Ion:244 Resp: 1023805
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 17.0 11.4 17.2

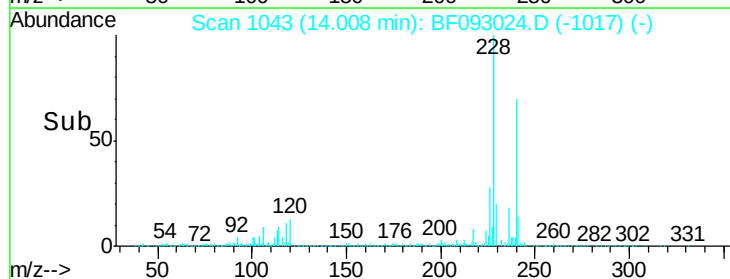
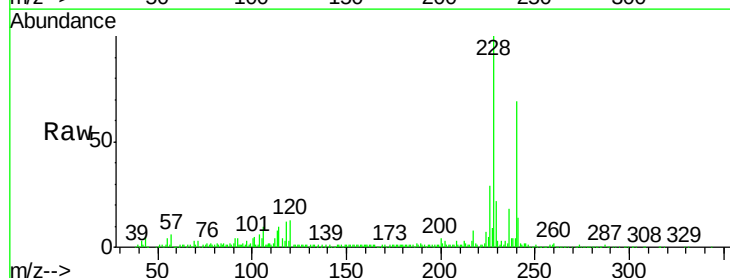
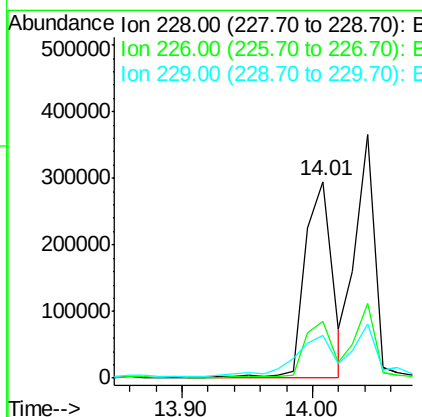
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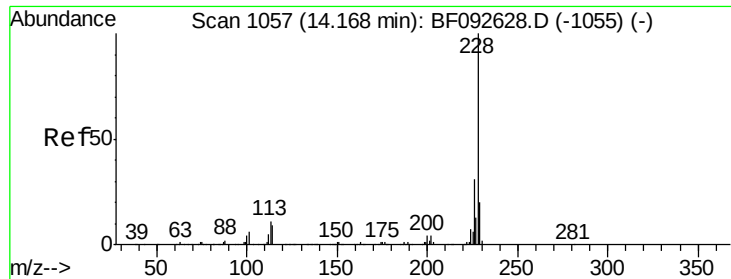
mohammad
 2/20/2017 1:00:05 PM



#80
 Benzo(a)anthracene
 Concen: 22.17 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF093024.D
 Acq: 17 Feb 2017 21:31

Tgt Ion:228 Resp: 421671
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.4 33.6
 229 21.9 16.2 24.4





#82

Chrysene

Concen: 21.12 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF093024.D

Acq: 17 Feb 2017 21:31

Instrument :

BNA_F

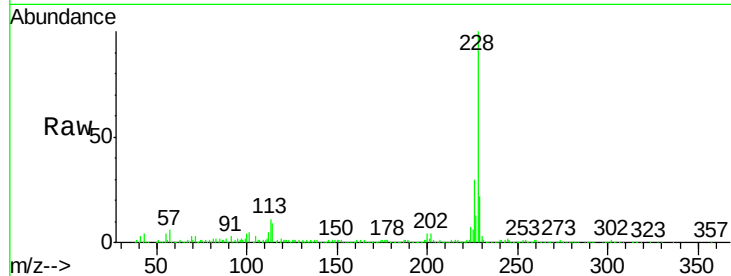
ClientSampleId :

PIT-C-COMP

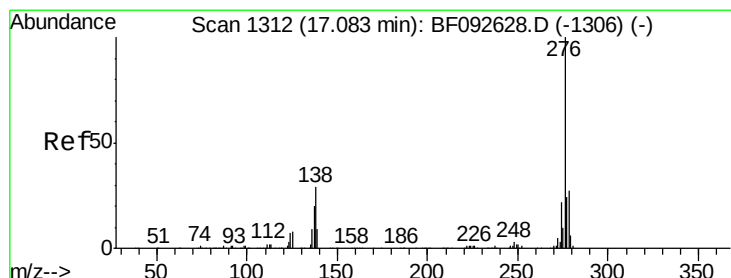
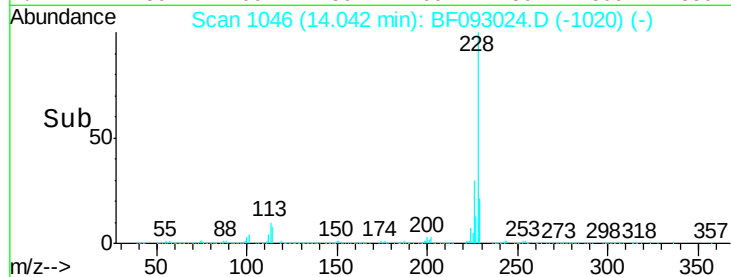
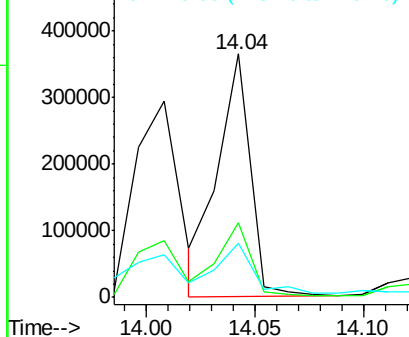
Tgt Ion:	228	Resp:	376023
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.4	38.0
229	22.4	16.2	24.2

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.89 ng

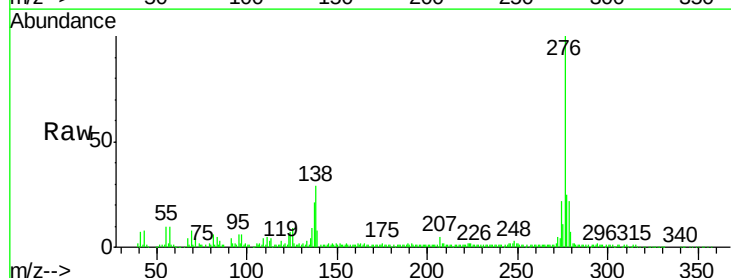
RT: 16.85 min Scan# 1292

Delta R.T. 0.00 min

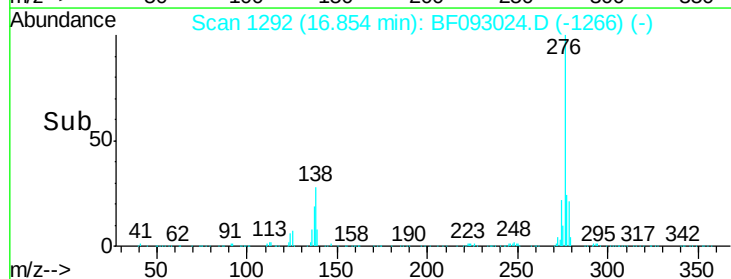
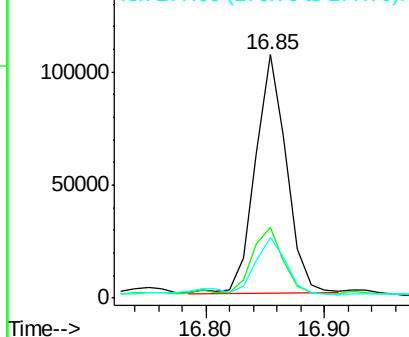
Lab File: BF093024.D

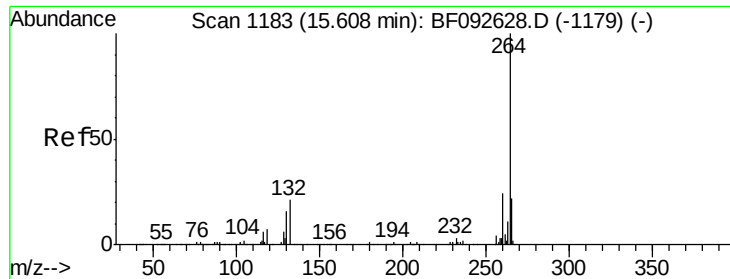
Acq: 17 Feb 2017 21:31

Tgt Ion:	276	Resp:	191526
Ion Ratio	Lower	Upper	
276	100		
138	29.3	21.8	32.6
277	27.8	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





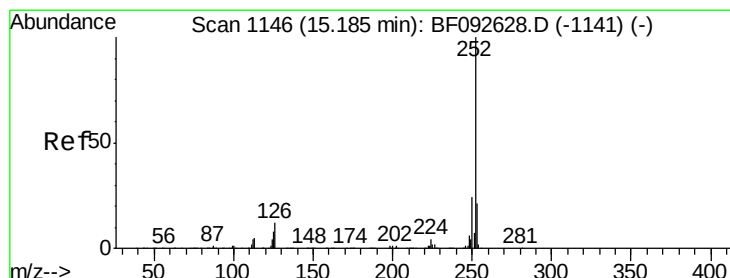
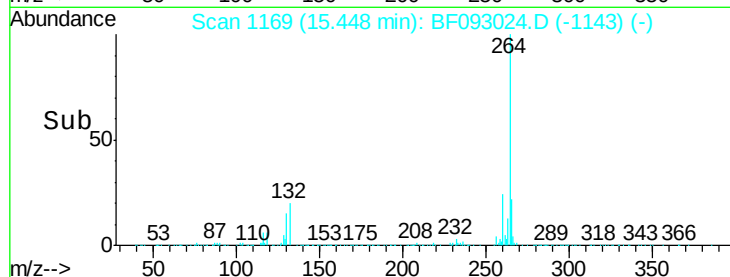
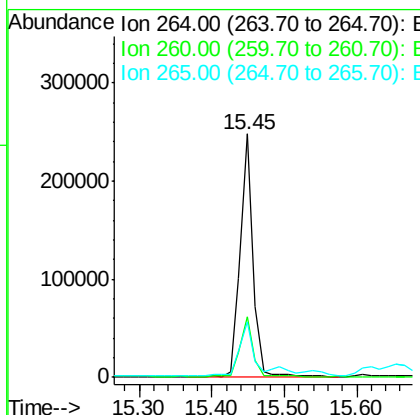
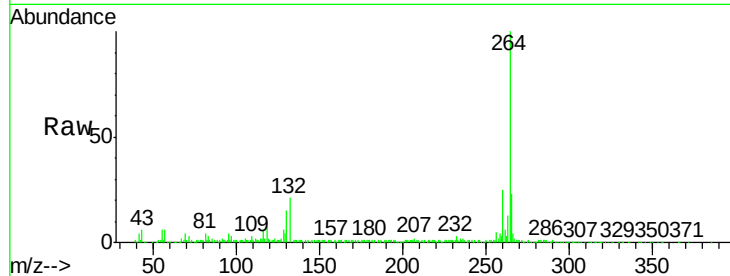
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	303459		
260	24.7	19.2	28.8	
265	22.5	17.4	26.0	

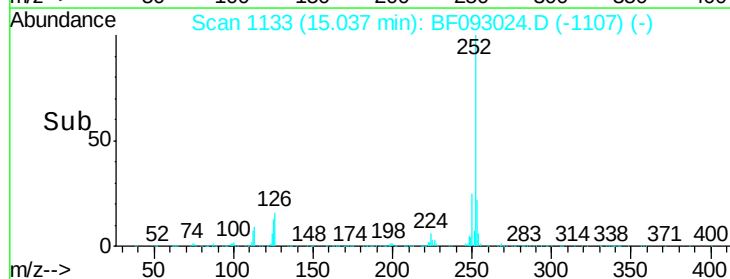
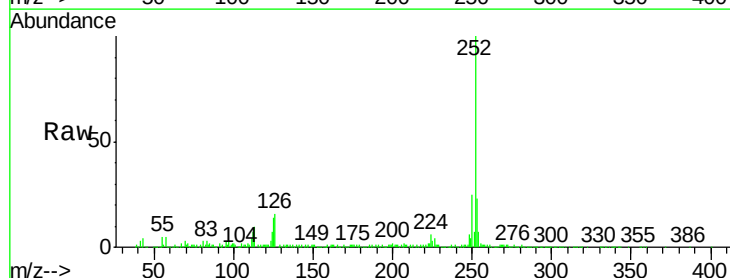
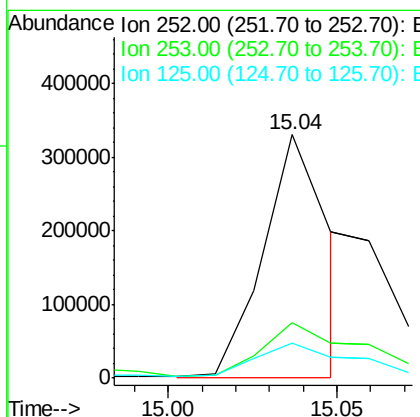
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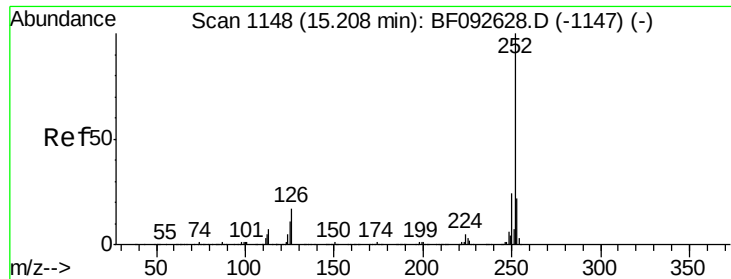
mohammad
2/20/2017 1:00:05 PM



#87
Benzo(b)fluoranthene
Concen: 22.45 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	448480		
253	23.0	18.2	27.4	
125	14.3	9.8	14.6	





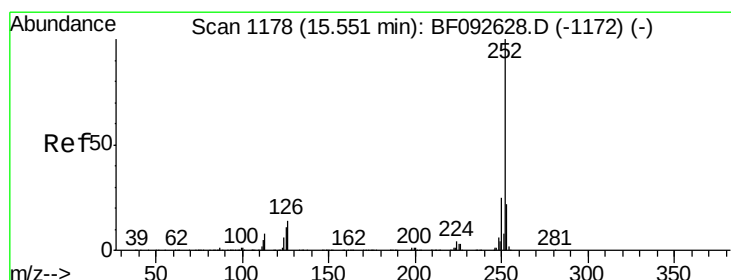
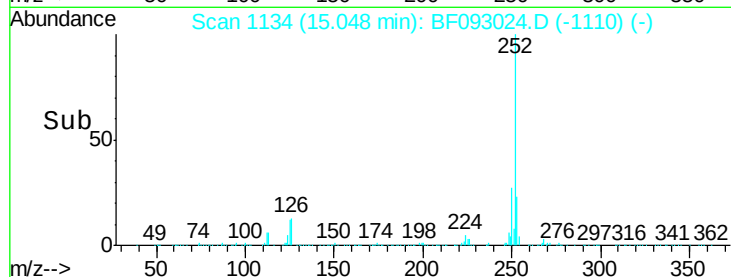
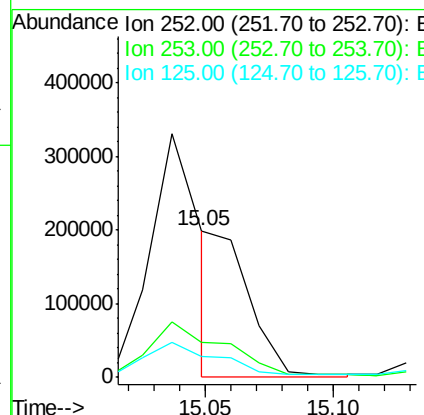
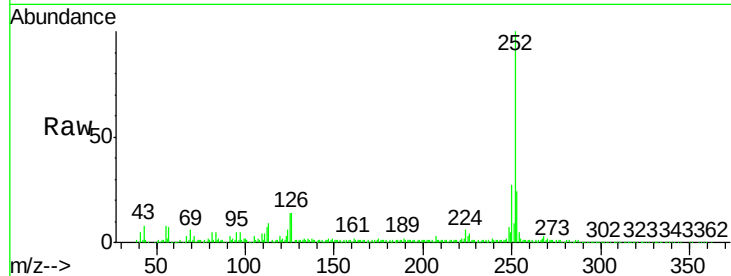
#88
Benzo(k)fluoranthene
Concen: 10.77 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	185783		
253	24.0	18.5	27.7	
125	14.3	8.9	13.3#	

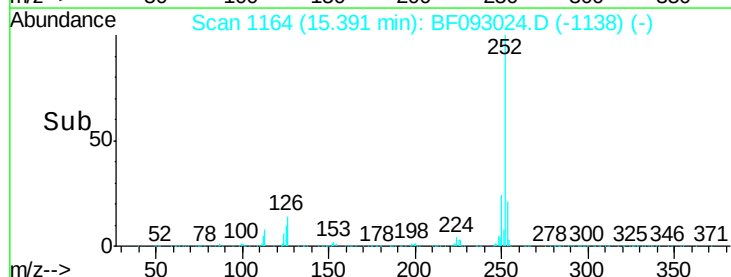
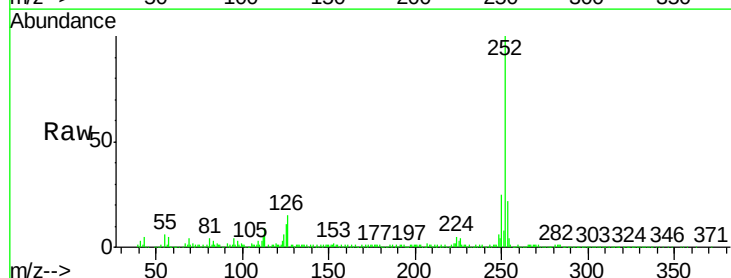
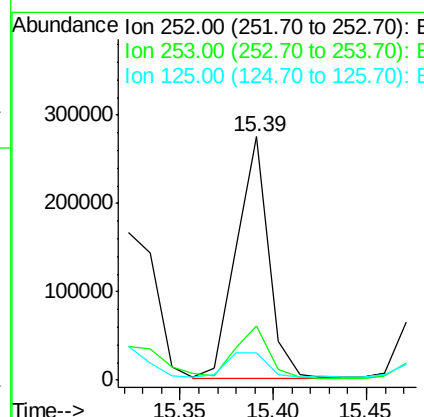
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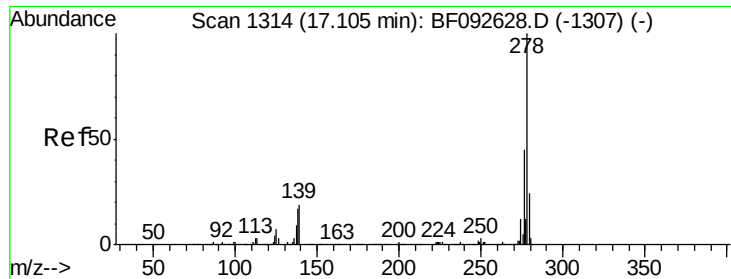
mohammad
2/20/2017 1:00:05 PM



#89
Benzo(a)pyrene
Concen: 19.05 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	329057		
253	22.5	18.2	27.2	
125	11.4	10.0	15.0	





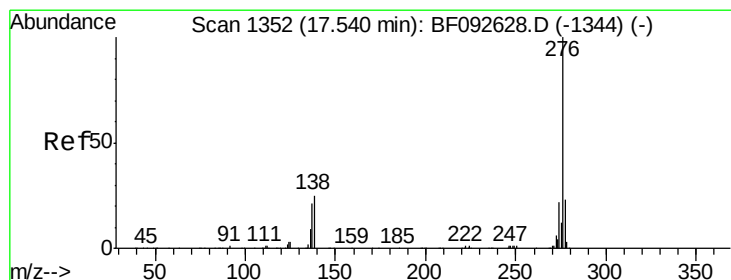
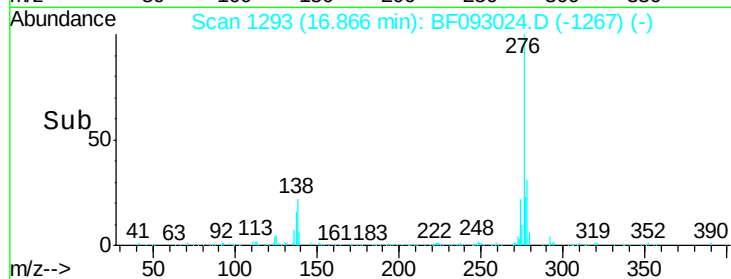
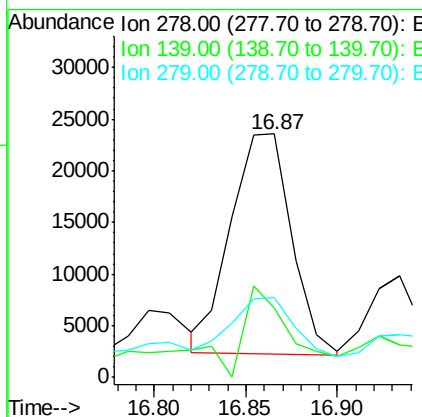
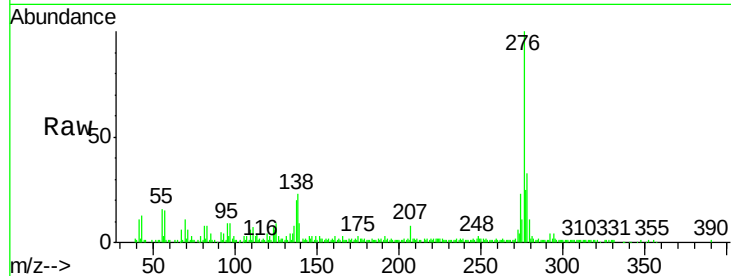
#90
Dibenzo(a,h)anthracene
Concen: 3.49 ng m
RT: 16.87 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Instrument :
BNA_F
ClientSampleId :
PIT-C-COMP

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	14.8	22.2#
279	32.7	19.8	29.6#

Manual Integrations
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2/20/2017 1:00:05 PM



#91
Benzo(g,h,i)perylene
Concen: 12.91 ng
RT: 17.28 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF093024.D
Acq: 17 Feb 2017 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	30.0	16.0	24.0#

