

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098224.D
 Acq On : 1 Sep 2017 14:08
 Operator : SJ/JU
 Sample : I5006-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Manual Integrations
 APPROVED

mohammad
 9/5/2017 5:22:04 PM

Quant Time: Sep 01 16:40:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 16:30:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	113762	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	460067	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	196497	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	316480	20.00	ng	0.00
75) Chrysene-d12	13.87	240	226251	20.00	ng	0.00
86) Perylene-d12	15.29	264	205703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	920121	123.03	ng	0.00
7) Phenol-d6	6.37	99	1258466	123.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	780872	92.21	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	208039	122.02	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1047087	78.29	ng	0.00
78) Terphenyl-d14	12.82	244	677773	62.47	ng	0.00
Target Compounds						
10) Phenol	6.38	94	47706	4.014	ng	87
49) Dimethylphthalate	9.47	163	199467	13.887	ng	99
57) Fluorene	10.30	166	27880	2.052	ng	# 97
70) Phenanthrene	11.26	178	308092	18.269	ng	99
71) Anthracene	11.31	178	85027	4.971	ng	98
74) Fluoranthene	12.45	202	342825	19.476	ng	99
77) Pyrene	12.67	202	308698	16.682	ng	98
80) Benzo(a)anthracene	13.86	228	159486	11.761	ng	98
82) Chrysene	13.89	228	131718	9.765	ng	98
87) Benzo(b)fluoranthene	14.88	252	155219m	11.971	ng	
88) Benzo(k)fluoranthene	14.90	252	55765m	4.578	ng	
89) Benzo(a)pyrene	15.23	252	112328	9.786	ng	98
91) Benzo(a,h,i)perylene	17.06	276	45176	4.633	ng	92

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

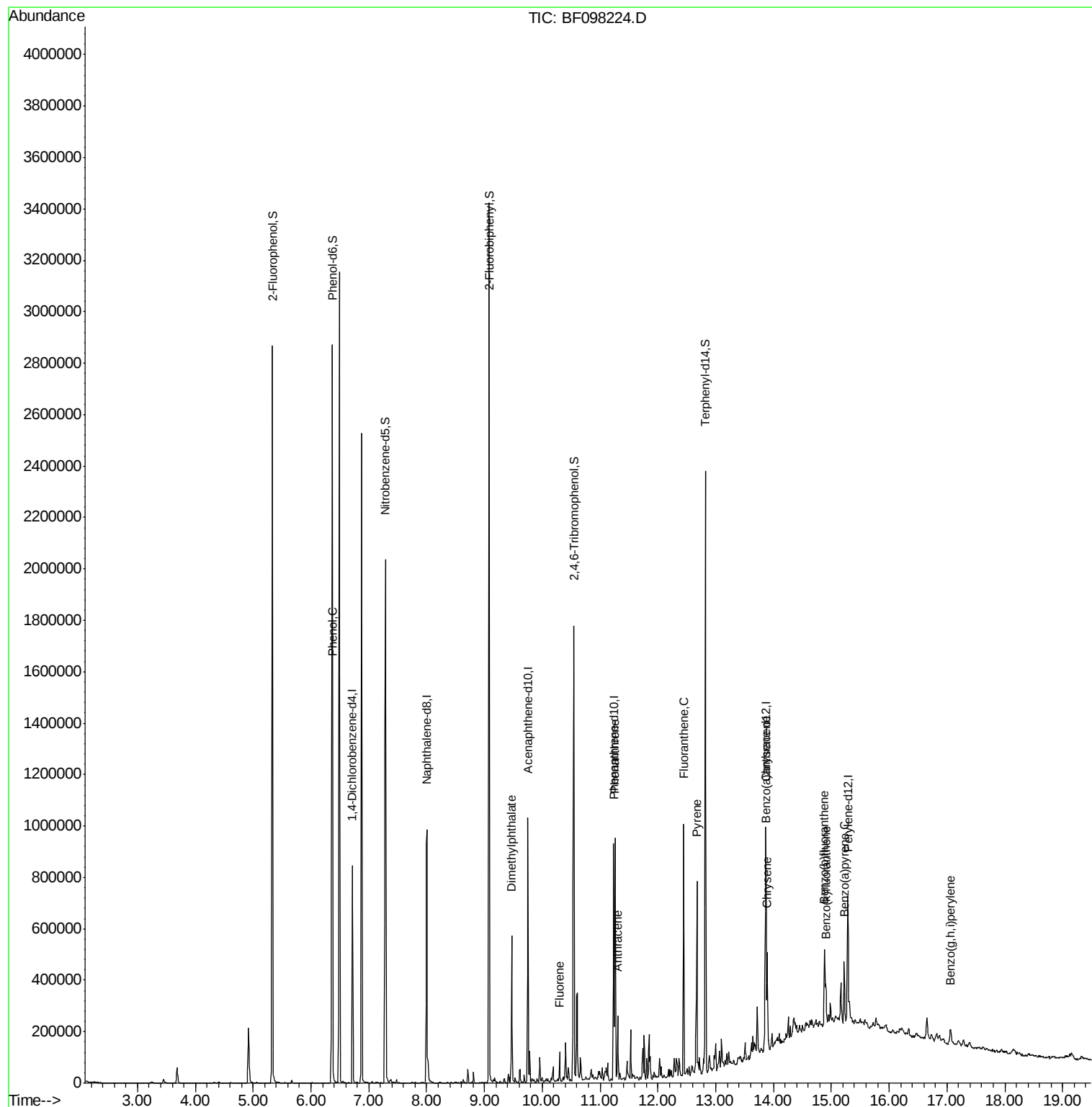
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098224.D
Acq On : 1 Sep 2017 14:08
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Sample : I5006-04
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ALS Vial : 12 Sample Multiplier: 1

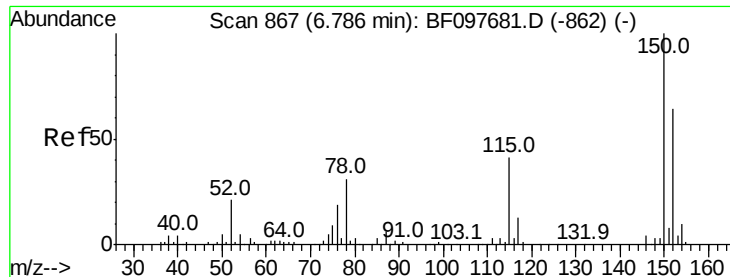
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

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Quant Time: Sep 01 16:40:18 2017
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#1

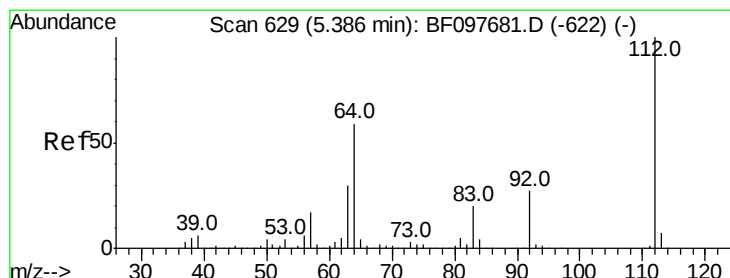
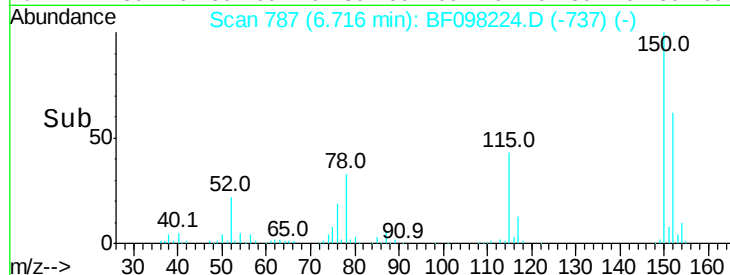
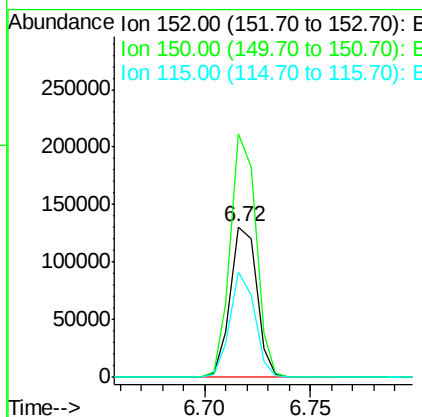
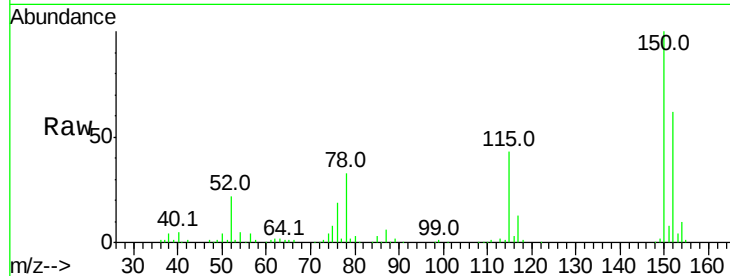
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	126.2	189.2
115	70.1	52.2	78.2

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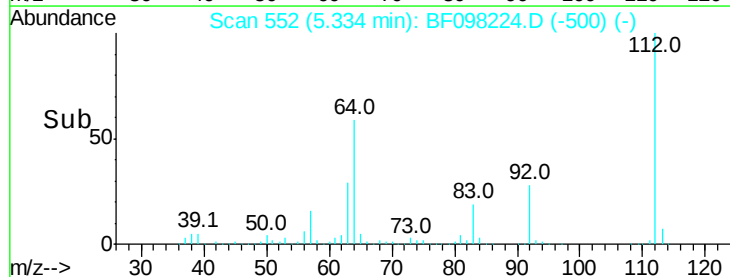
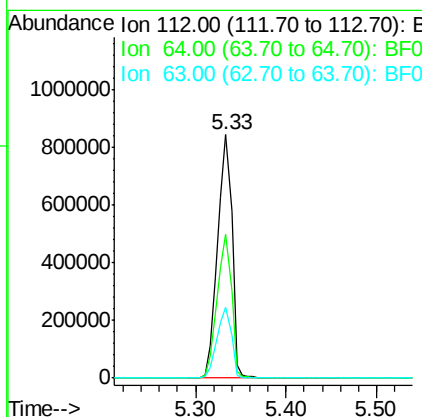
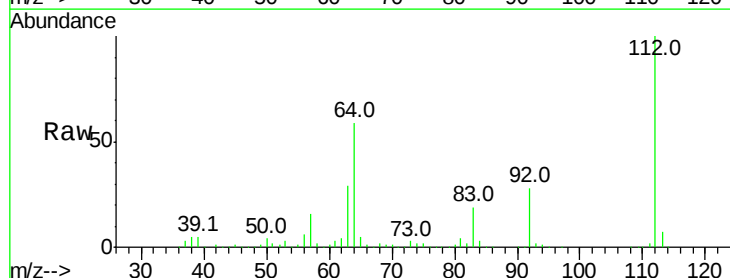
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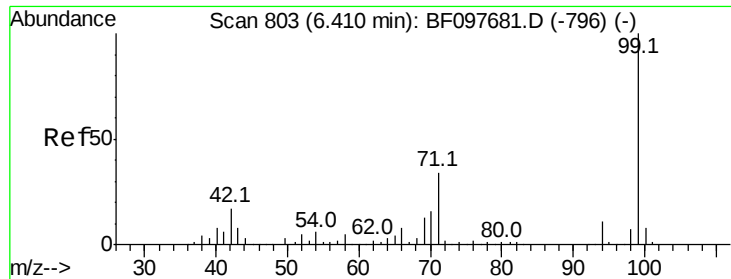


#5

2-Fluorophenol
Concen: 123.026 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

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: 123.842 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

Tot Ion: 99 Resp: 1258466

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

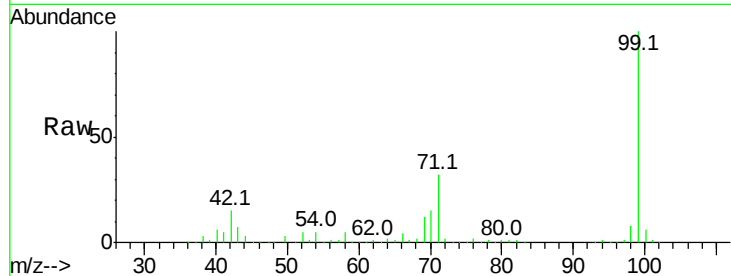
71 32.3 24.5 36.7

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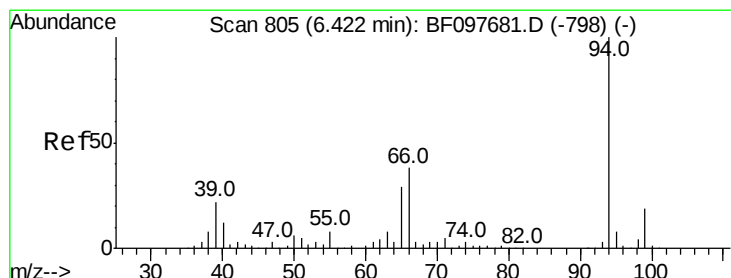
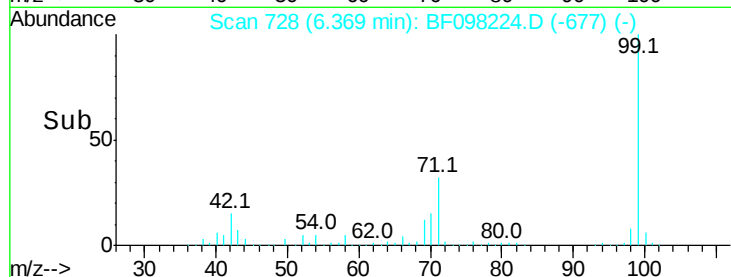
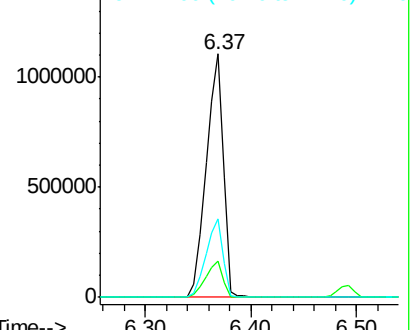
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.014 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

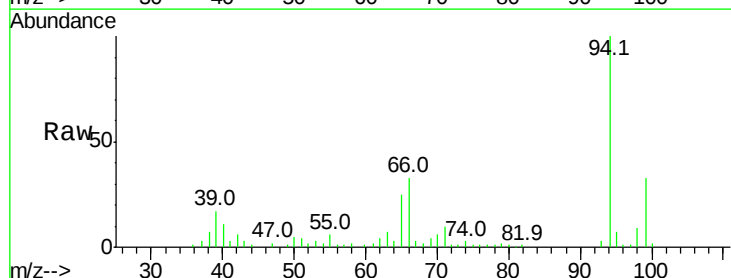
Tgt Ion: 94 Resp: 47706

Ion Ratio Lower Upper

94 100

65 25.3 9.9 49.9

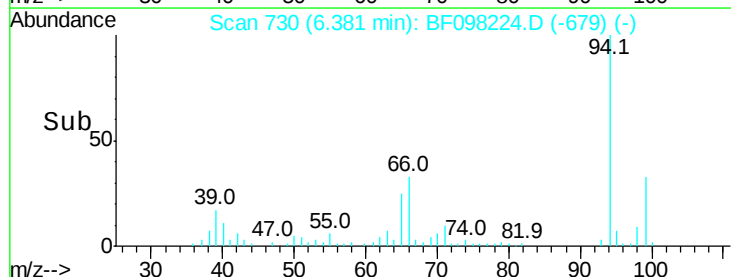
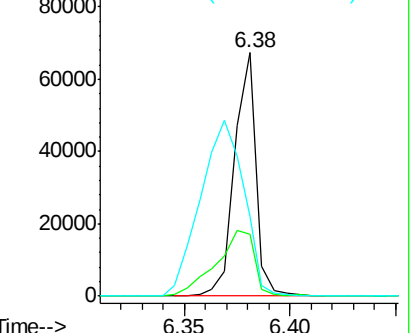
66 32.9 23.1 63.1

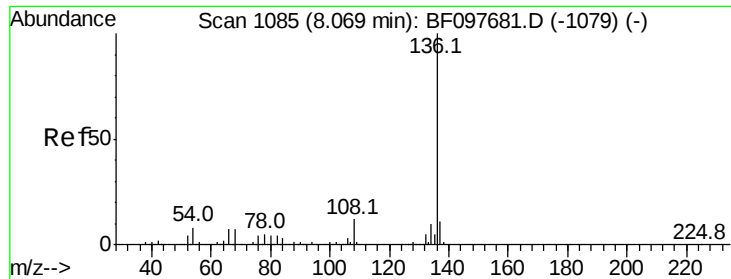


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

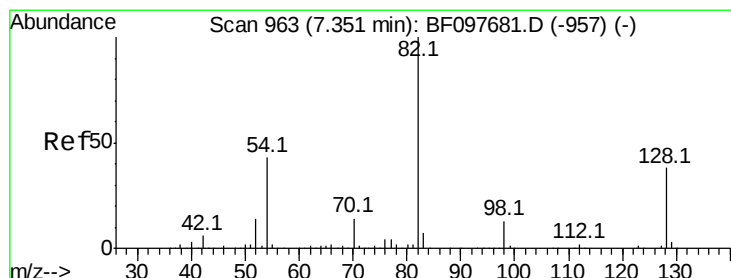
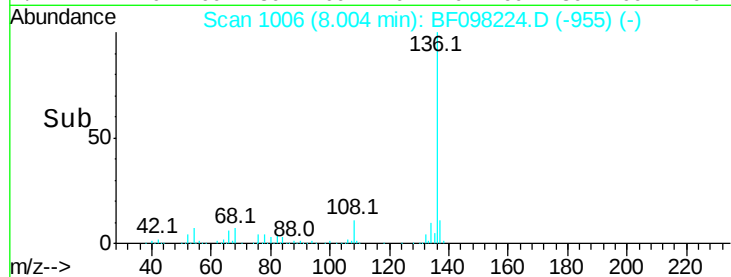
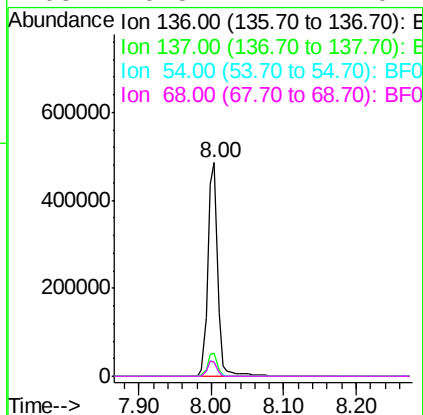
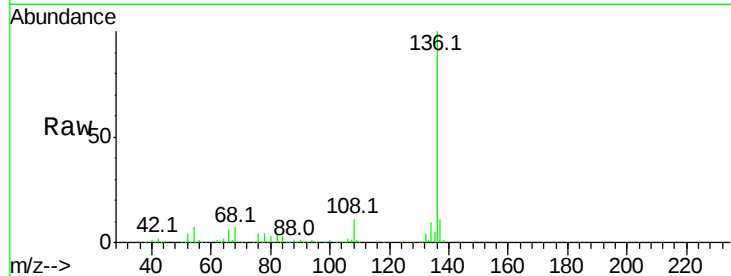
ClientSampleId :

SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	460067		
137	10.7		8.5	12.7
54	6.9		4.9	7.3
68	6.8		4.1	6.1#

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#23

Nitrobenzene-d5

Concen: 92.205 ng

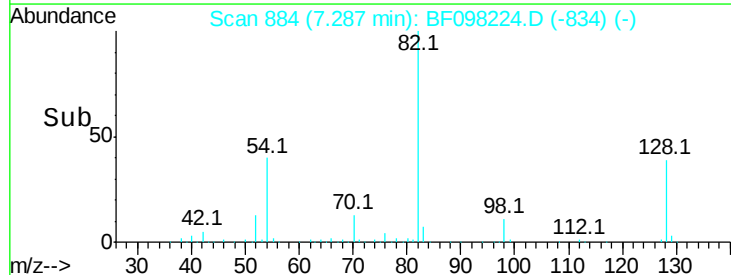
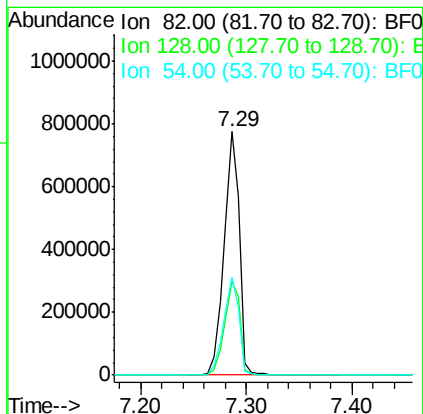
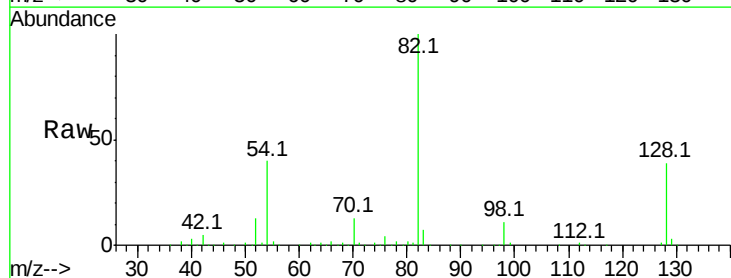
RT: 7.29 min Scan# 884

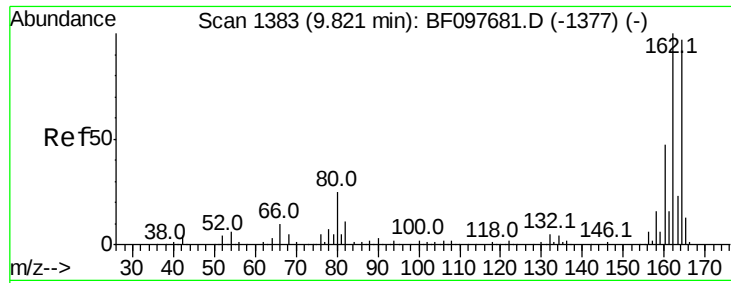
Delta R.T. -0.01 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	780872		
128	38.7		34.0	51.0
54	40.2		42.2	63.2#





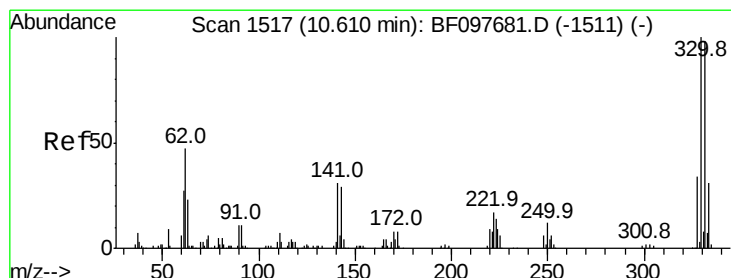
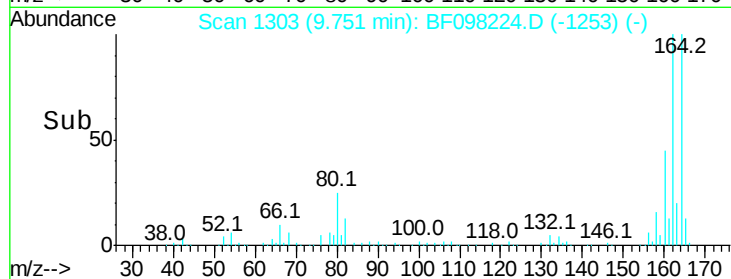
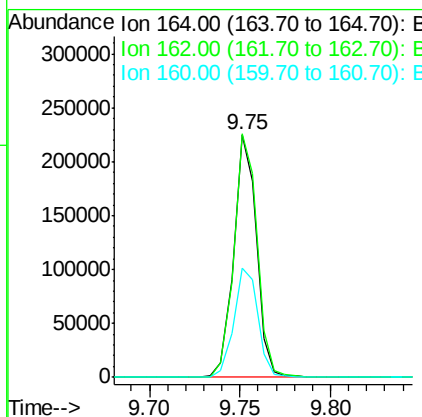
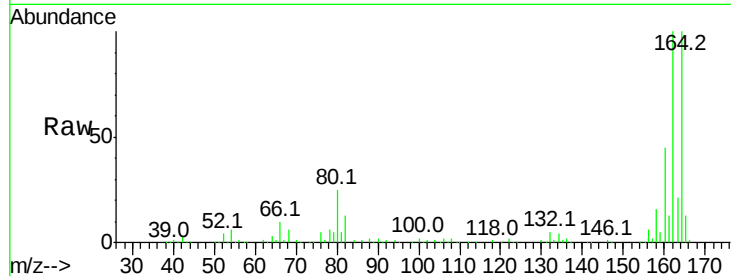
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	196497		
162	100.3	82.6	123.8	
160	44.8	36.2	54.2	

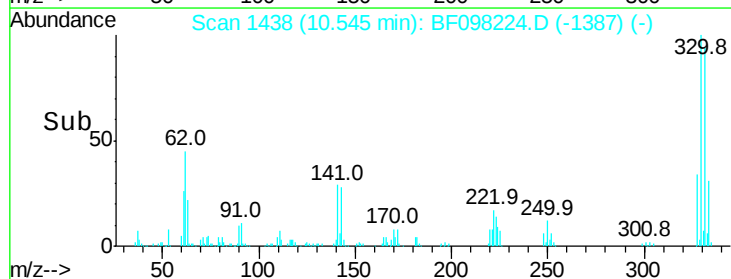
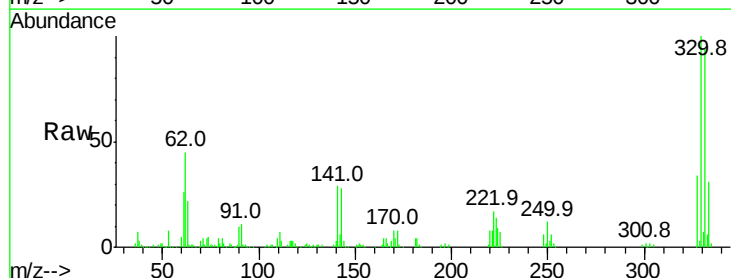
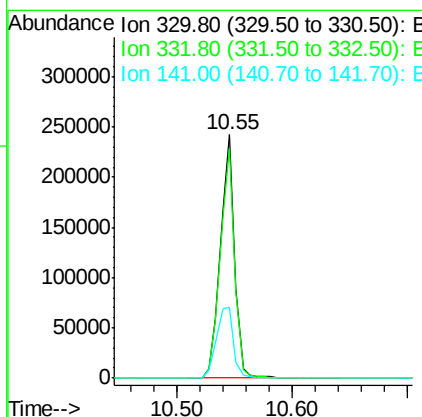
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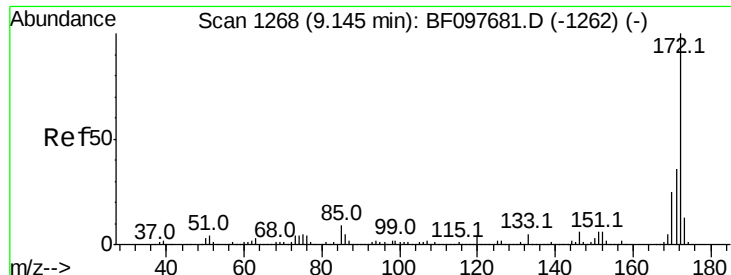
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#41
2,4,6-Tribromophenol
Concen: 122.022 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	208039		
332	95.4	76.6	115.0	
141	35.2	31.4	47.2	





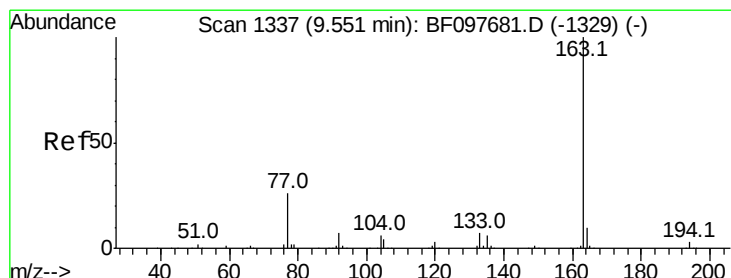
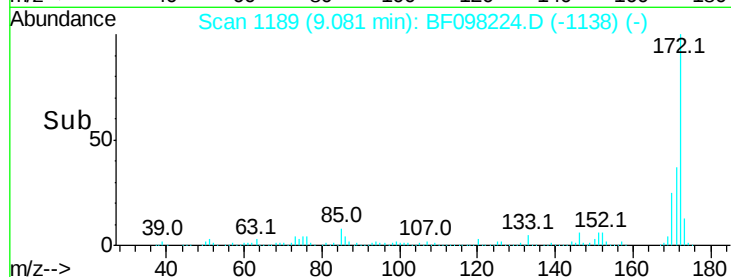
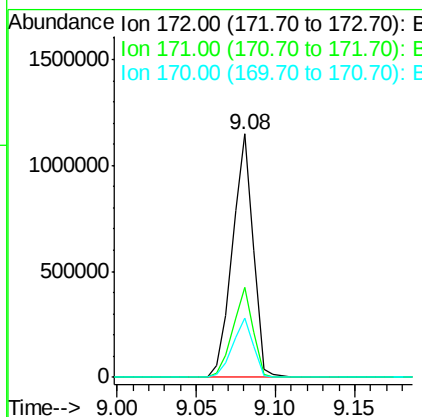
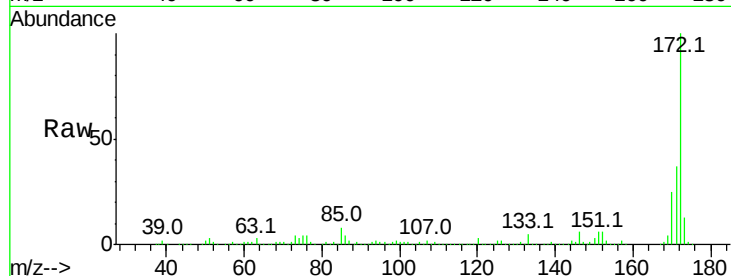
#44
2-Fluorobiphenyl
Concen: 78.291 ng
RT: 9.08 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.6	19.8	29.8

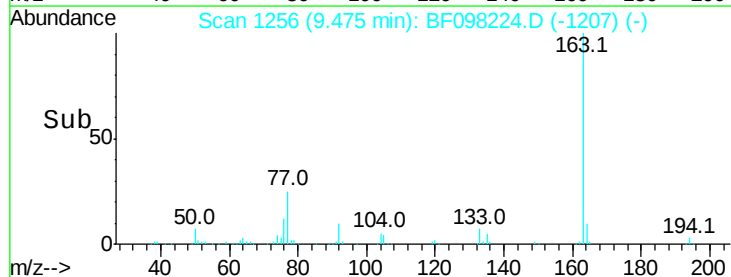
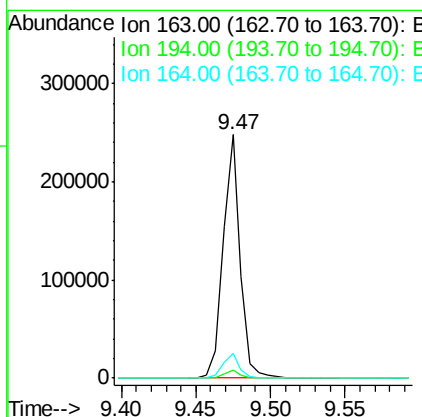
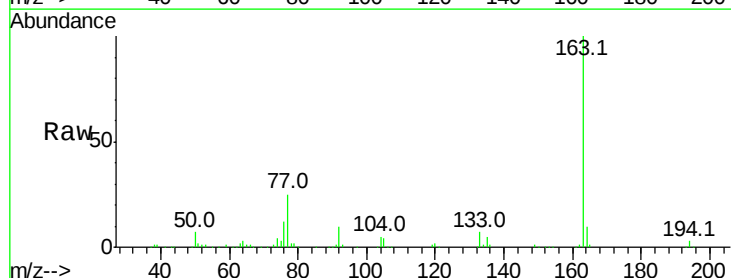
Manual Integrations
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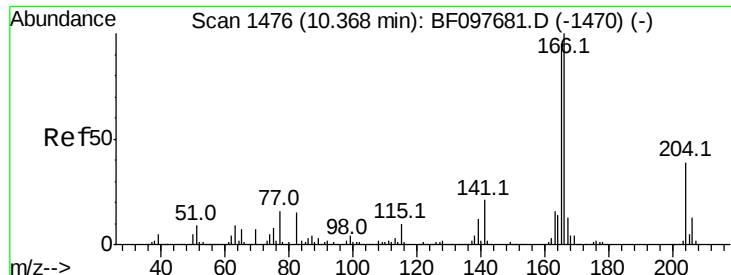
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#49
Dimethylphthalate
Concen: 13.887 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.1	8.4	12.6





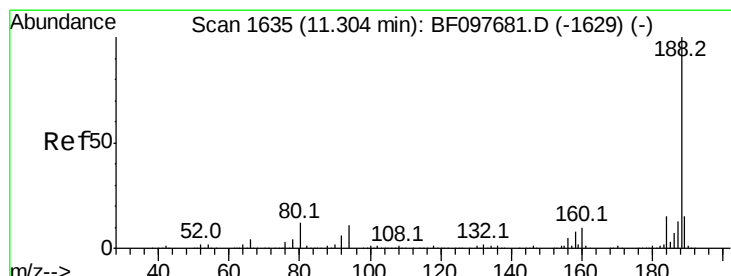
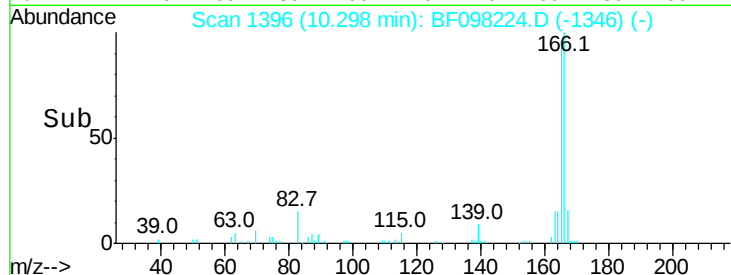
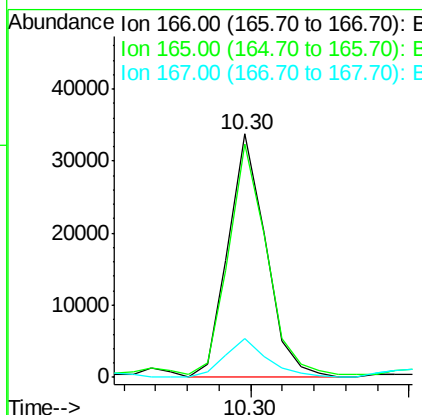
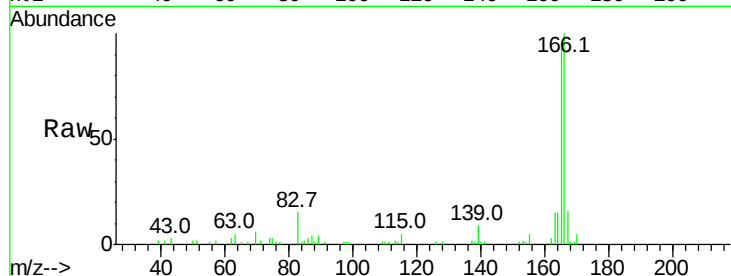
#57
Fluorene
 Concen: 2.052 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
166	100	27880		
165	95.8		78.8	118.2
167	16.2		10.6	16.0#

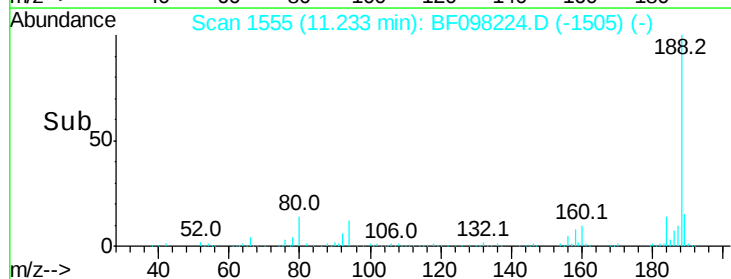
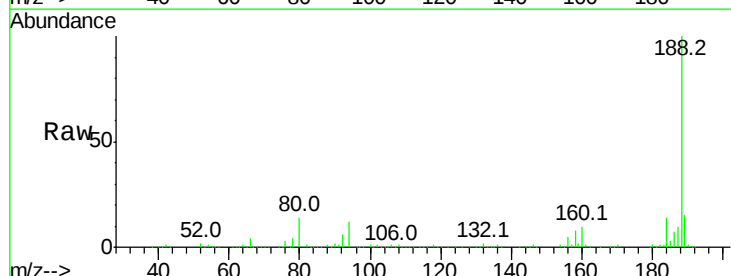
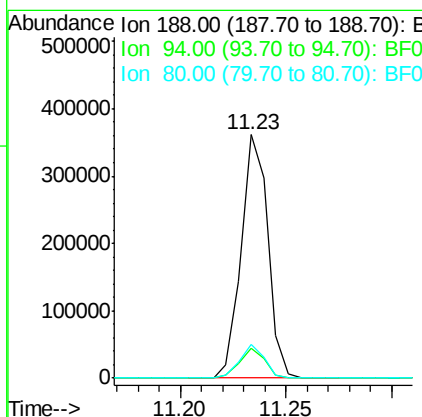
Manual Integrations
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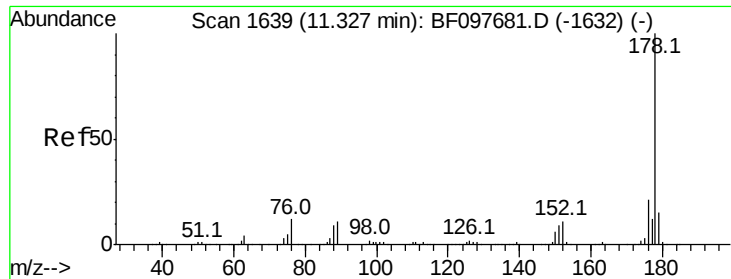
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	316480		
94	12.4		9.4	14.2
80	14.0		10.2	15.2





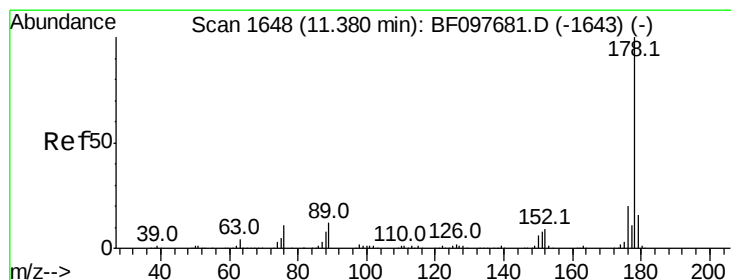
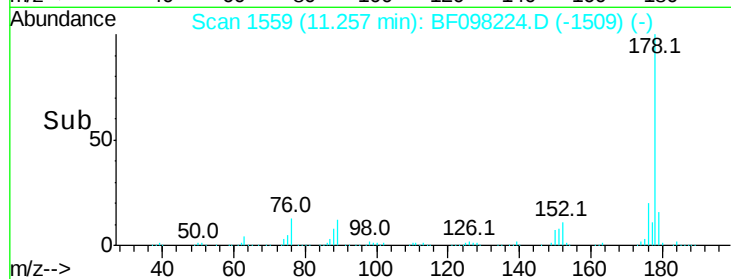
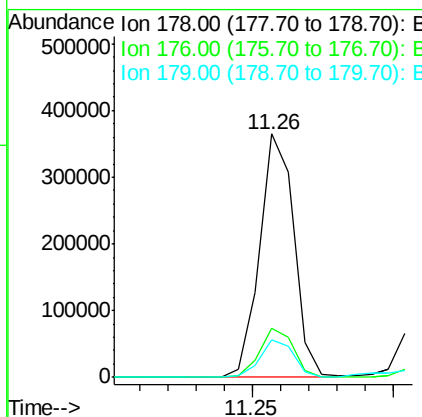
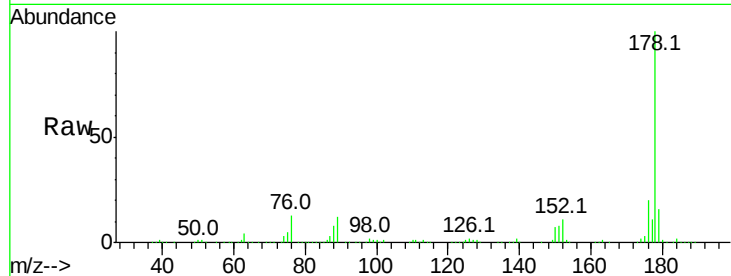
#70
Phenanthrene
Concen: 18.269 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.1	16.2	24.4	
179	15.5	12.6	19.0	

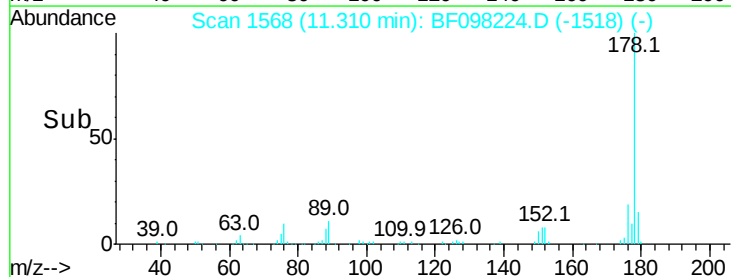
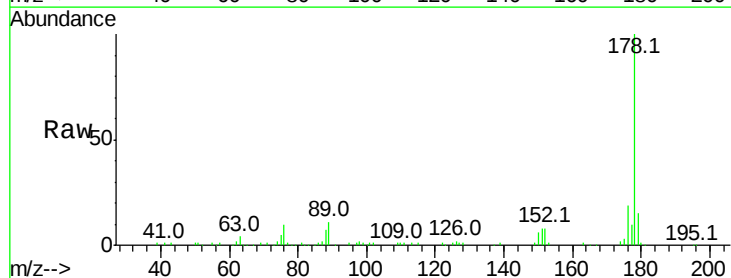
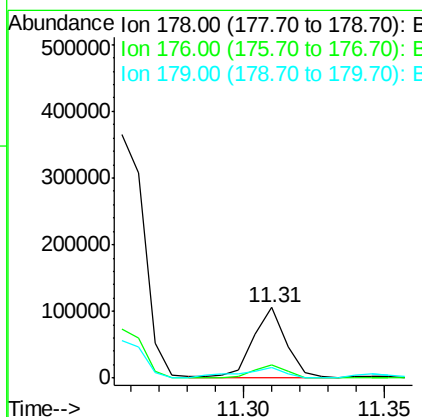
Manual Integrations
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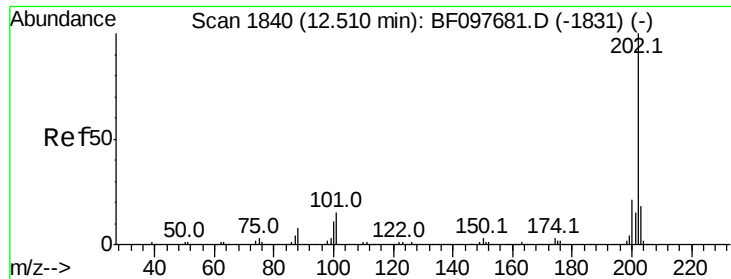
mohammad
9/5/2017 5:22:04 PM



#71
Anthracene
Concen: 4.971 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.2	15.8	23.8	
179	14.6	12.7	19.1	





#74

Fluoranthene

Concen: 19.476 ng

RT: 12.45 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

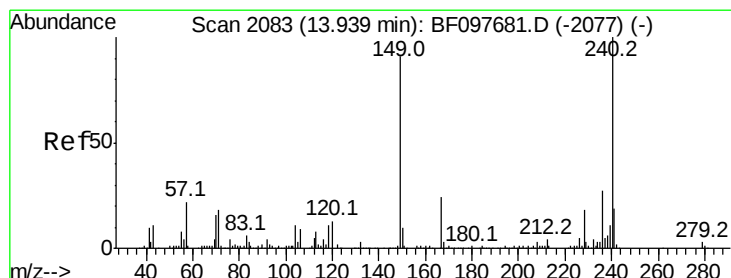
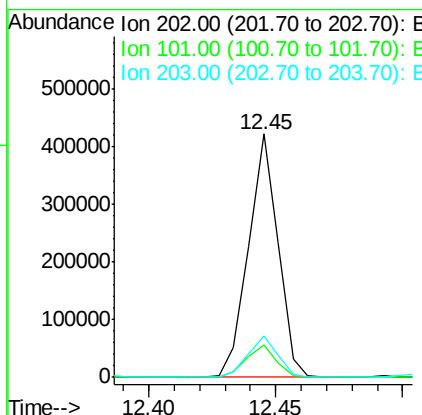
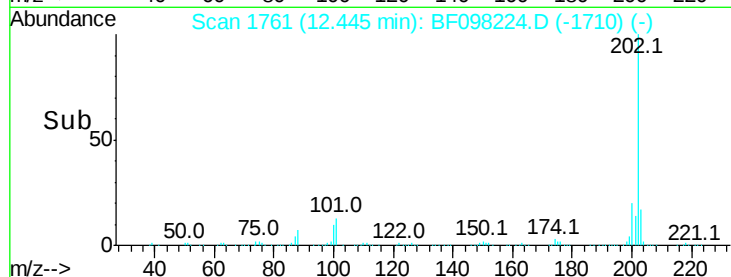
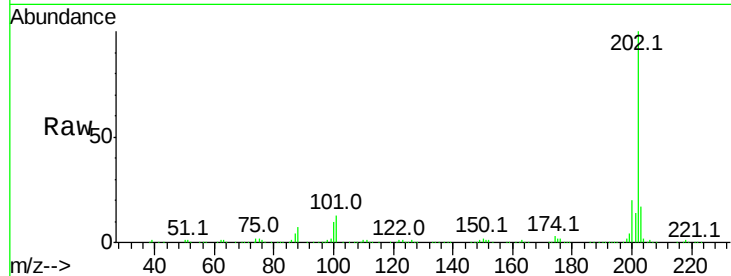
ClientSampleId :

SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	342825		
101	13.3	0.0	33.2	
203	17.2	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

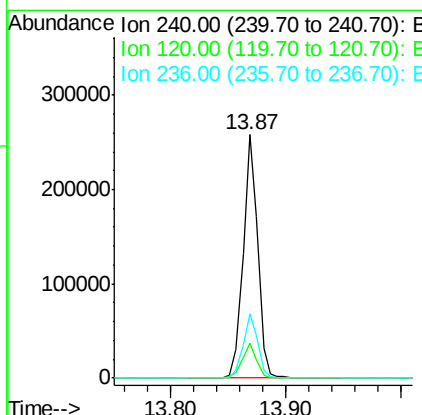
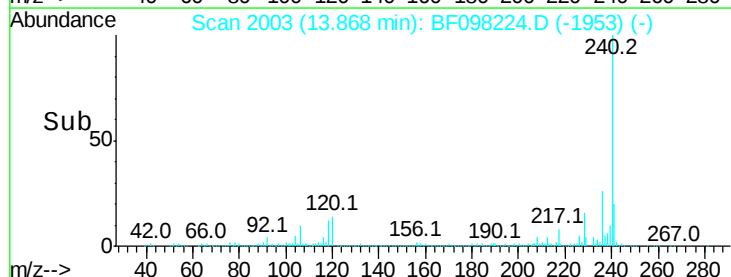
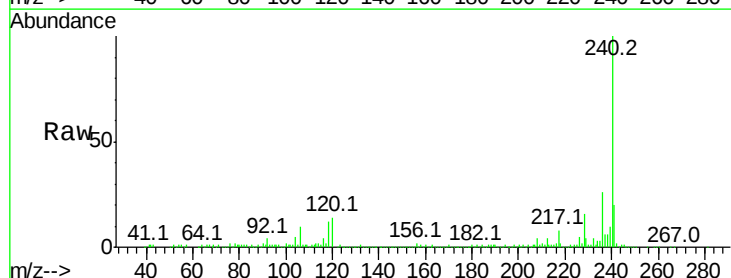
RT: 13.87 min Scan# 2003

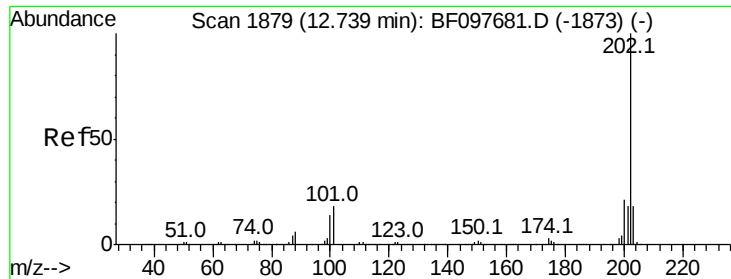
Delta R.T. -0.01 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	226251		
120	14.5	5.8	8.8#	
236	26.3	20.5	30.7	





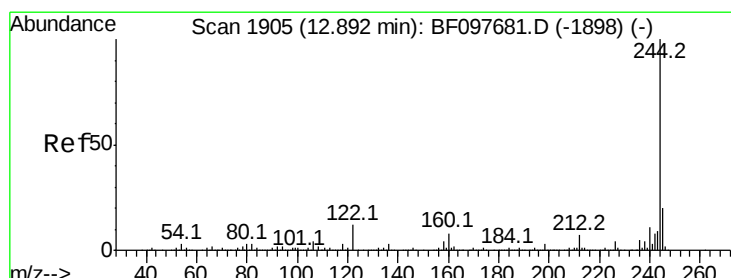
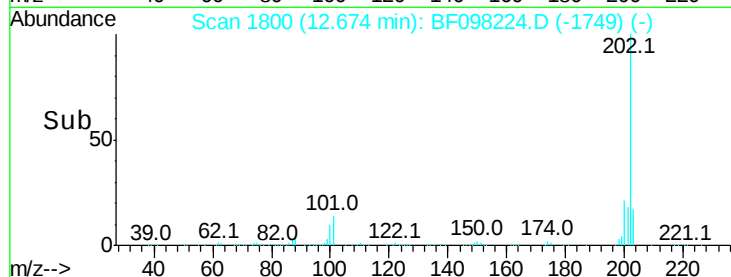
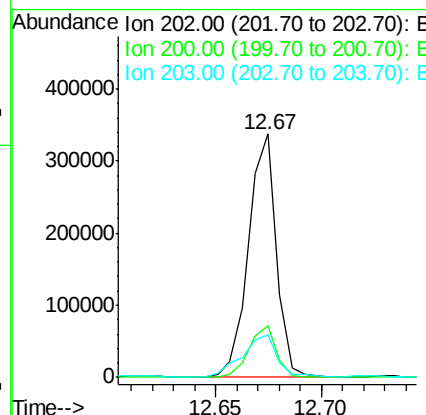
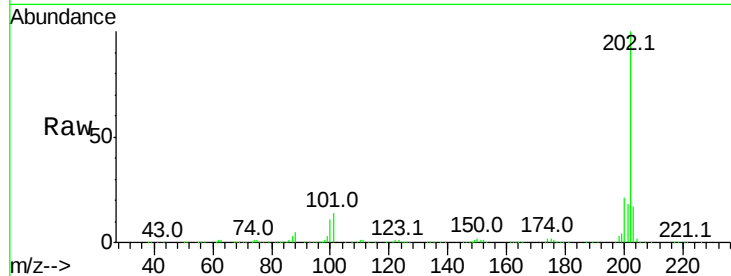
#77
Pvrene
Concen: 16.682 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.00 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.4	14.4	21.6

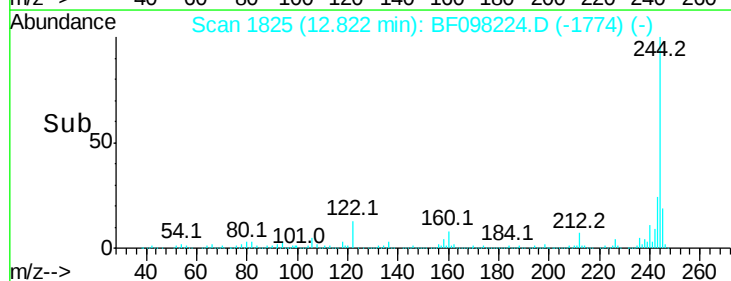
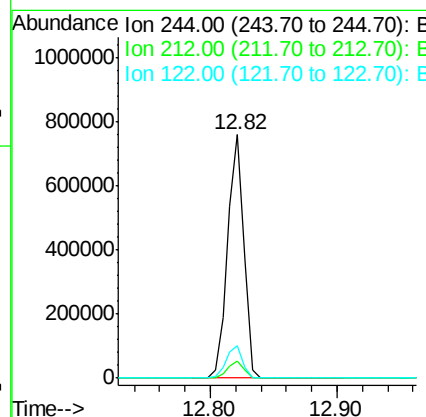
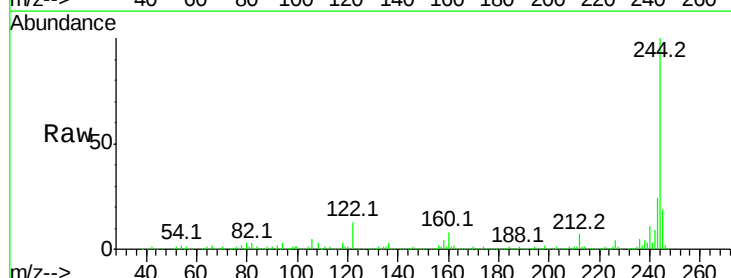
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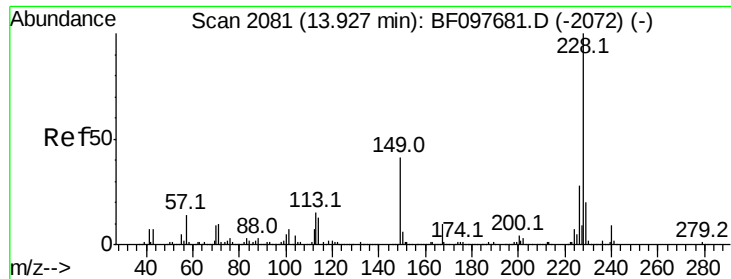
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#78
Terphenyl-d14
Concen: 62.470 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.1	10.3	15.5





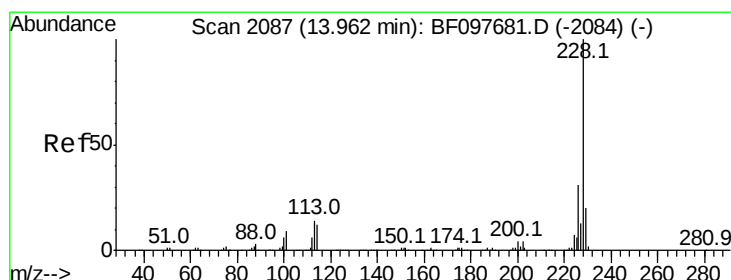
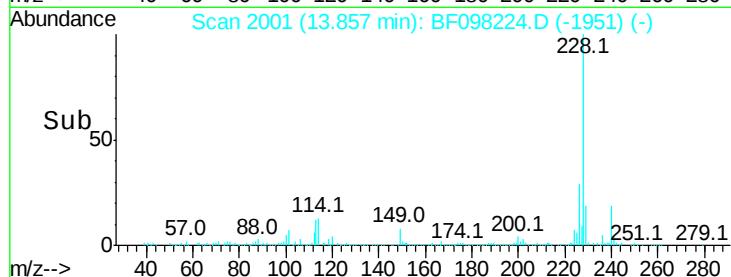
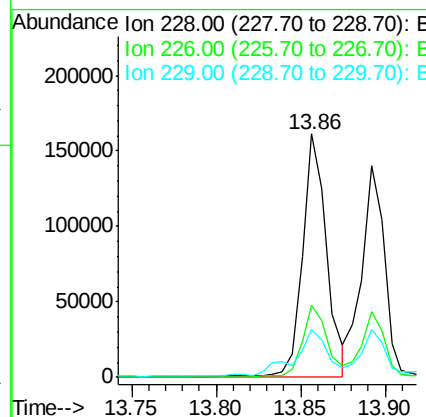
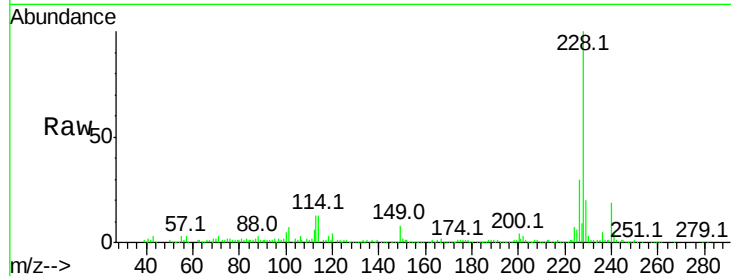
#80
Benzo(a)anthracene
Concen: 11.761 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
228	100	159486		
226	29.7		22.6	33.8
229	19.7		16.3	24.5

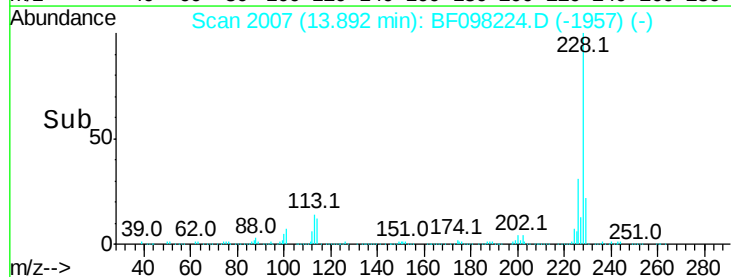
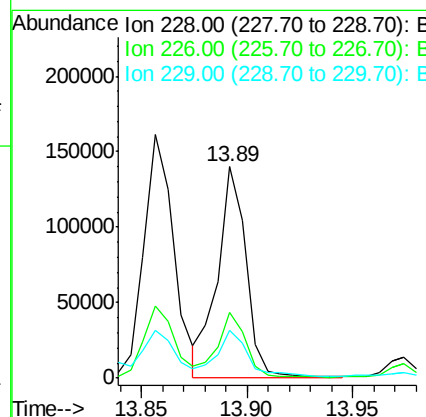
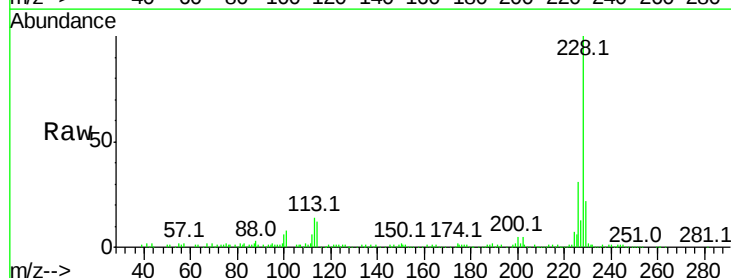
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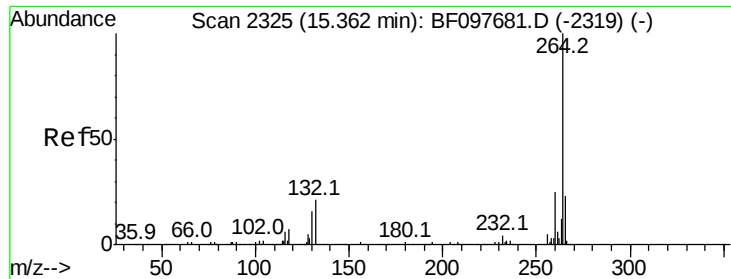
mohammad
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#82
Chrysene
Concen: 9.765 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	131718		
226	31.2		24.9	37.3
229	22.5		15.8	23.6





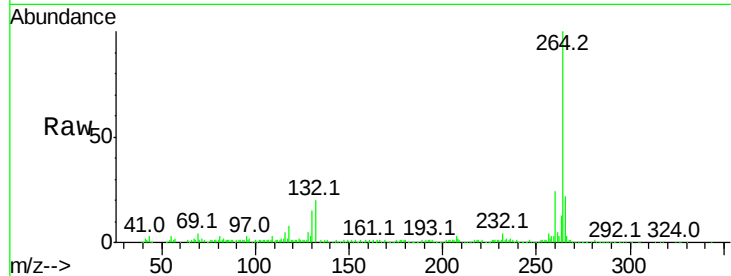
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.0	17.2	25.8

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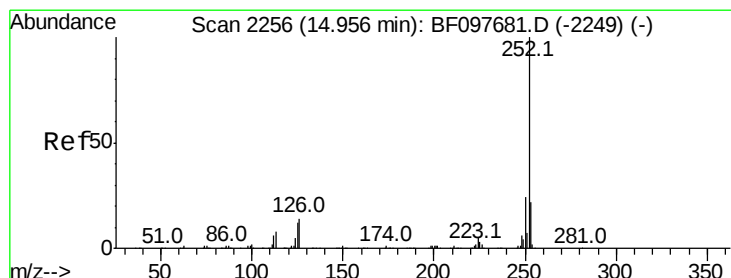
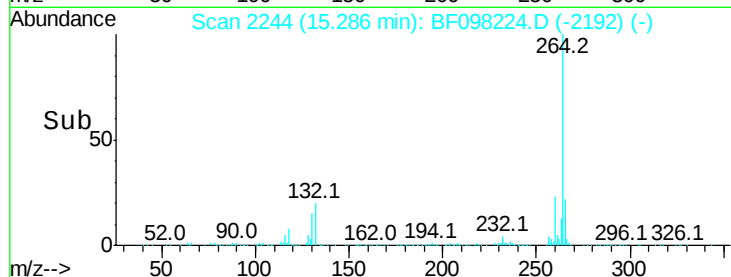
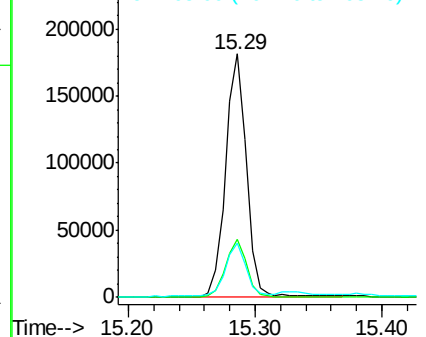


Abundance

Ion 264.00 (263.70 to 264.70): E

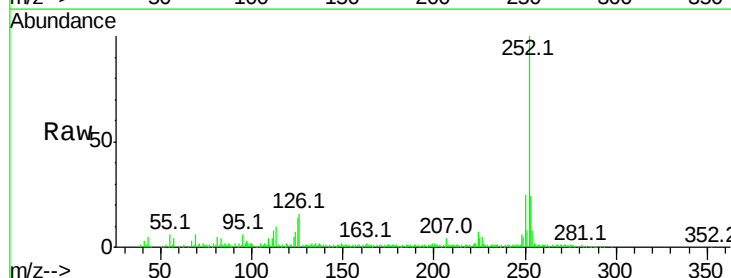
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 11.971 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	13.7	9.8	14.8

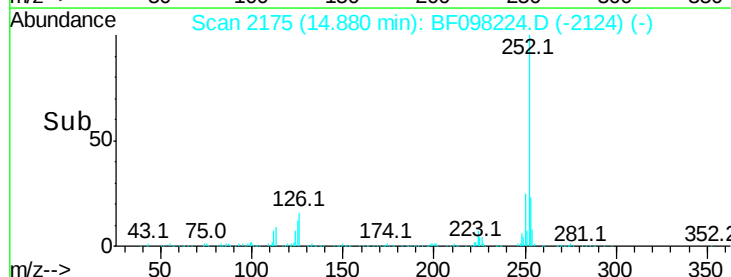
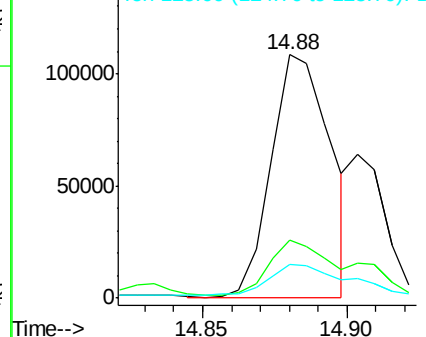


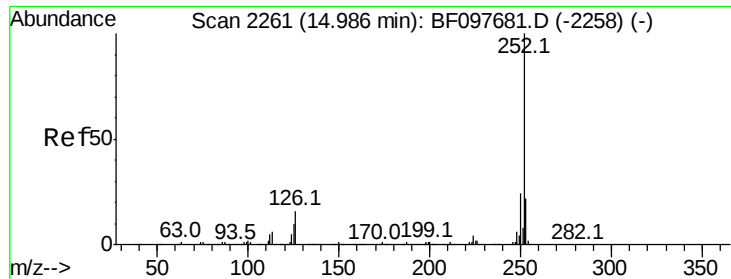
Abundance

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





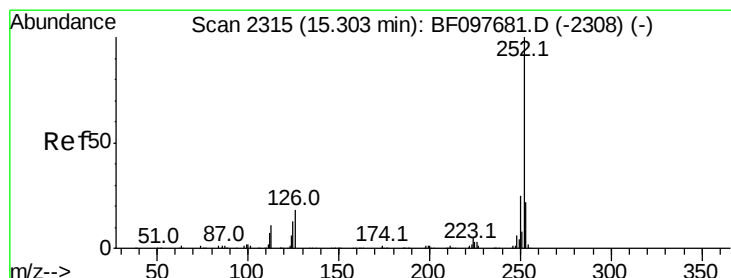
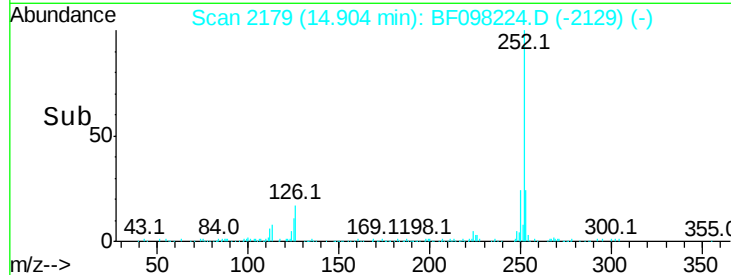
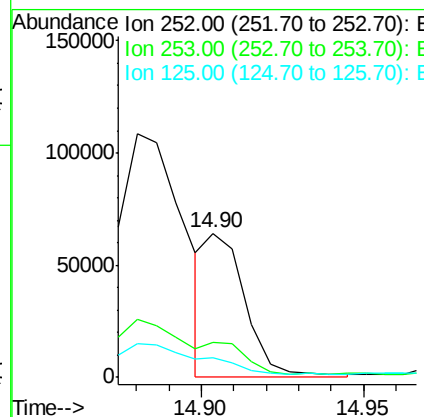
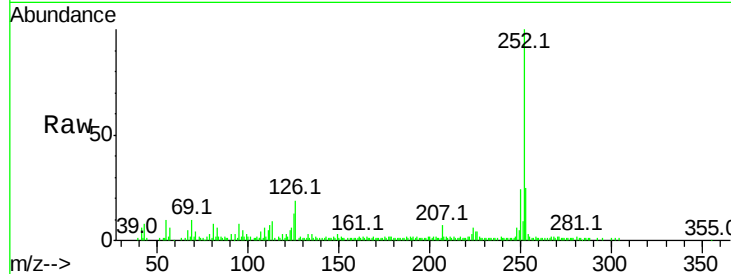
#88
Benzo(k)fluoranthene
Concen: 4.578 ng/mL
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion:	252	Resp:	55765
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.4	27.6
125	13.3	13.1	19.7

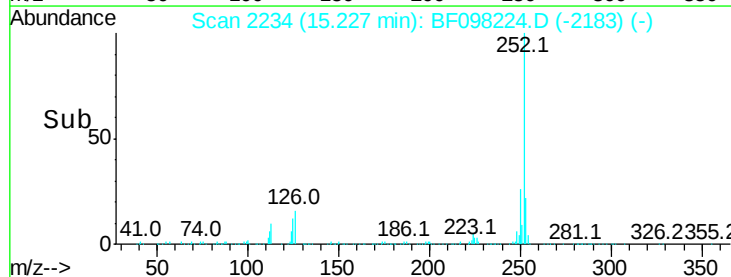
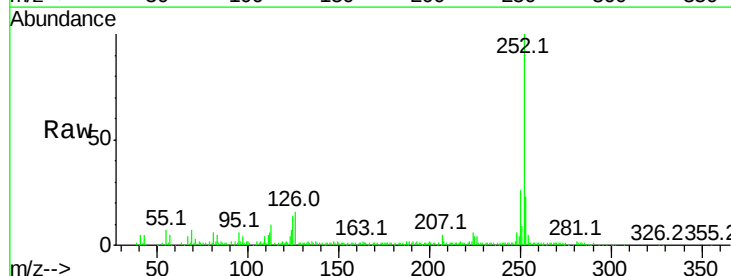
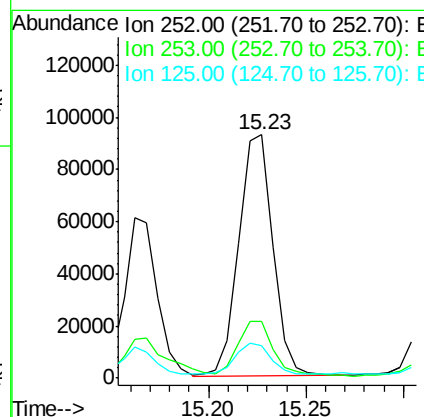
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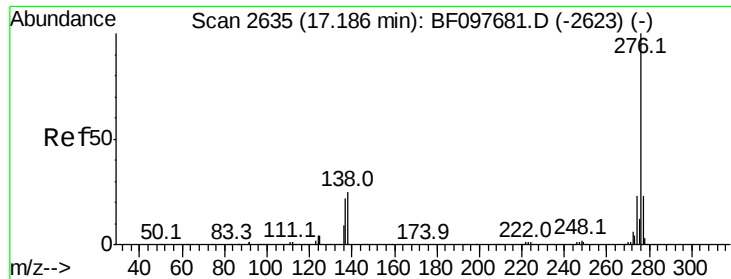
mohammad
9/5/2017 5:22:04 PM



#89
Benzo(a)pyrene
Concen: 9.786 ng/mL
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion:	252	Resp:	112328
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	13.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.633 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	25.5	25.4	38.0

Manual Integrations
 APPROVED

mohammad
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