

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097917.D
 Acq On : 21 Aug 2017 20:47
 Operator : SJ/JU
 Sample : I4875-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-E

Manual Integrations
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Sohil
 8/22/2017 5:44:37 PM

Quant Time: Aug 22 11:29:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	113604	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	433991	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	172859	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	284461	20.00	ng	0.00
75) Chrysene-d12	13.90	240	230597	20.00	ng	0.00
86) Perylene-d12	15.32	264	164522	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	692594	92.73	ng	0.00
7) Phenol-d6	6.39	99	953512	93.96	ng	0.00
23) Nitrobenzene-d5	7.31	82	574751	71.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	132103	88.08	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	820013	69.70	ng	0.00
78) Terphenyl-d14	12.85	244	572584	51.78	ng	0.00
Target Compounds						
10) Phenol	6.39	94	26508	2.234	ng	Qvalue # 66
49) Dimethylphthalate	9.50	163	150004	11.872	ng	98
70) Phenanthrene	11.29	178	203675	13.437	ng	100
71) Anthracene	11.34	178	47891	3.115	ng	98
74) Fluoranthene	12.47	202	260011	16.434	ng	99
77) Pyrene	12.70	202	298714	15.838	ng	98
80) Benzo(a)anthracene	13.89	228	103018m	7.454	ng	
82) Chrysene	13.92	228	107905	7.849	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	35560	3.516	ng	91
87) Benzo(b)fluoranthene	14.91	252	96738m	9.328	ng	
88) Benzo(k)fluoranthene	14.93	252	37130m	3.811	ng	
89) Benzo(a)pyrene	15.26	252	68616	7.474	ng	# 91
91) Benzo(a,h,i)perylene	17.11	276	36513	4.682	ng	95

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

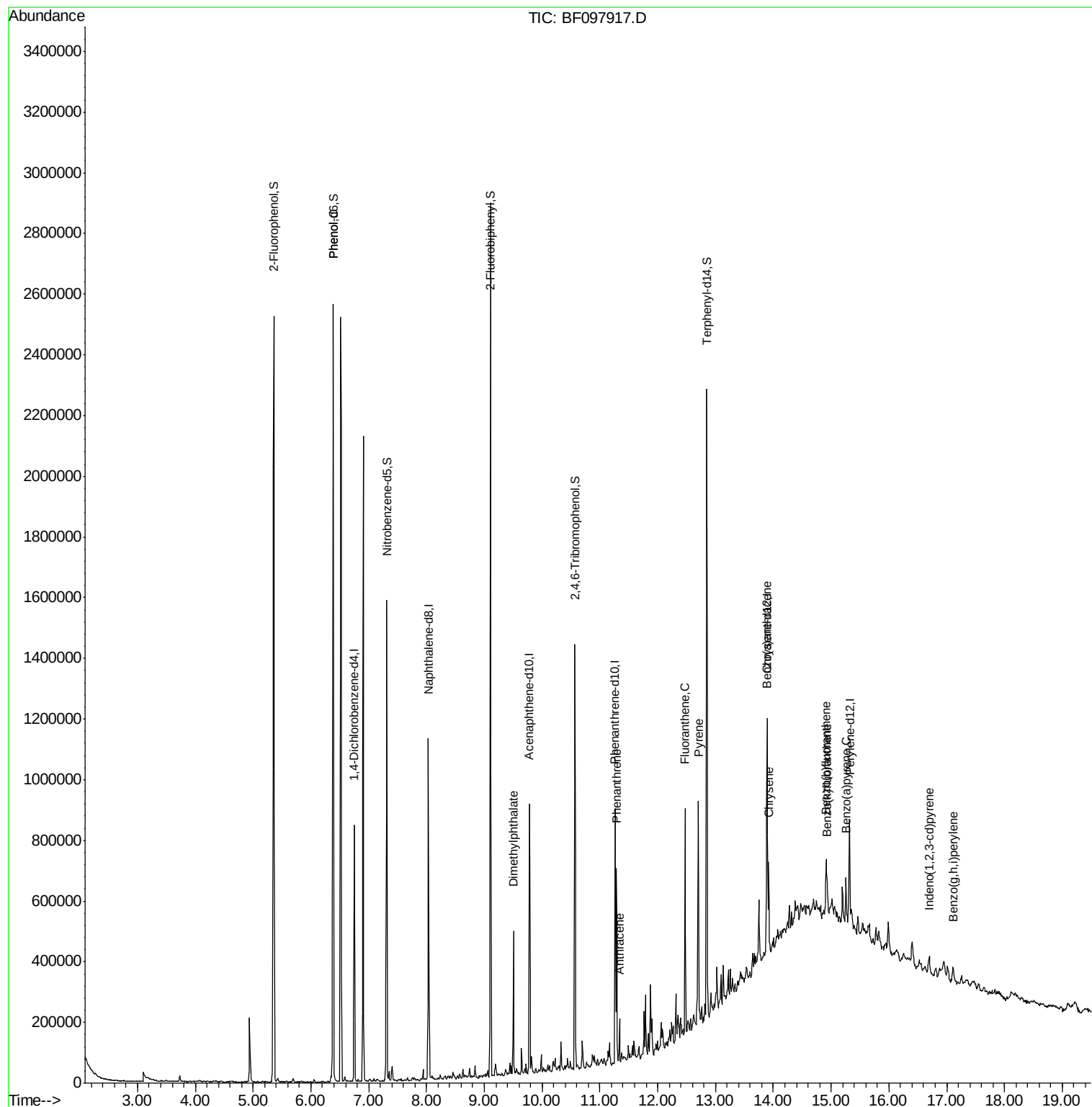
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097917.D
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Sample : I4875-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

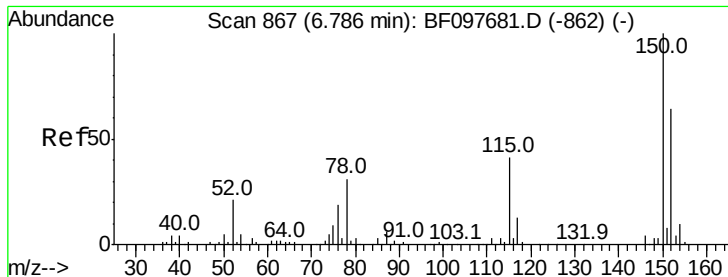
Instrument :
BNA_F
ClientSampled :
CL-02-081717-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

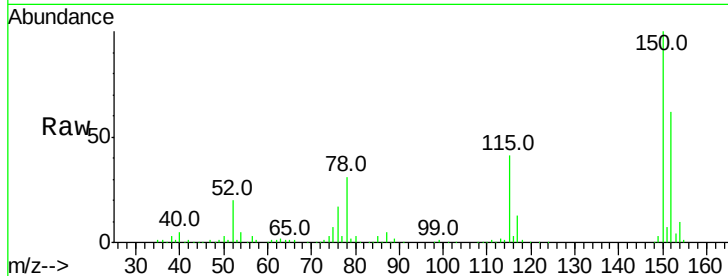
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	65.8	52.2	78.2

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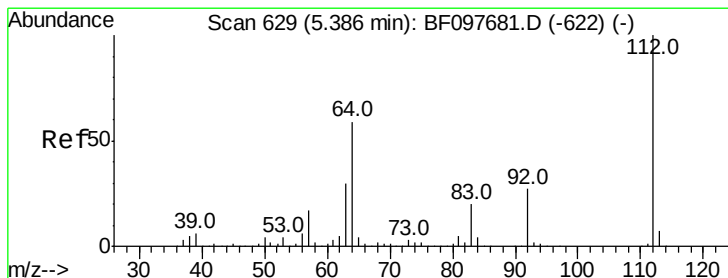
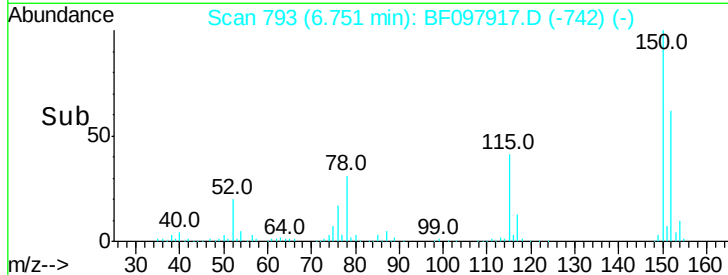
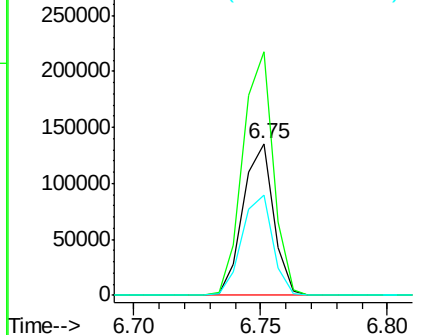


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

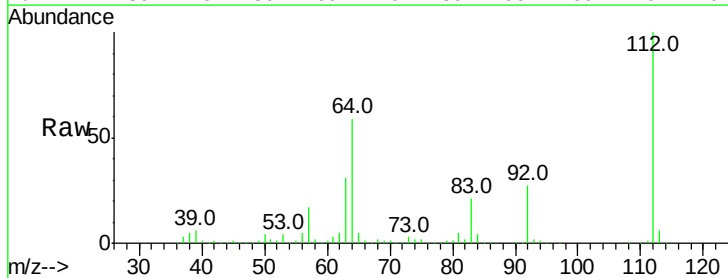
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.733 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.0	69.0
63	30.9	23.4	35.0

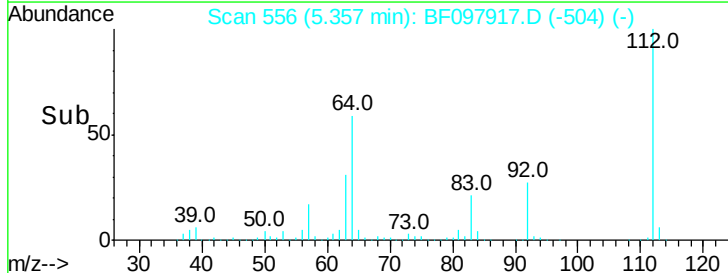
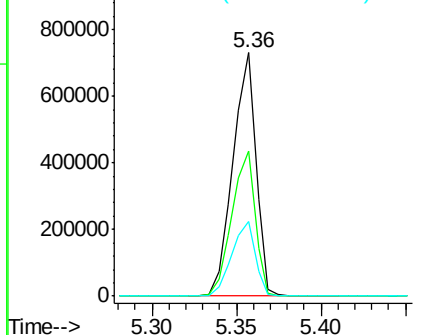


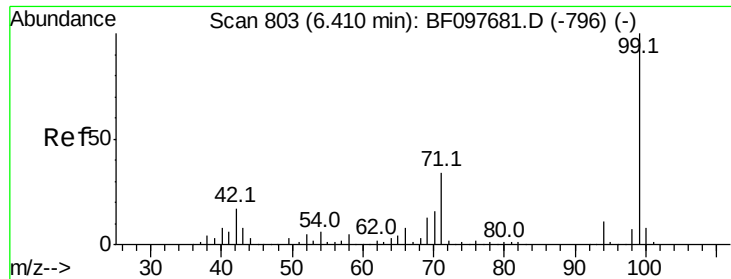
Abundance

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





#7

Phenol-d6

Concen: 93.963 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

Instrument :

BNA_F

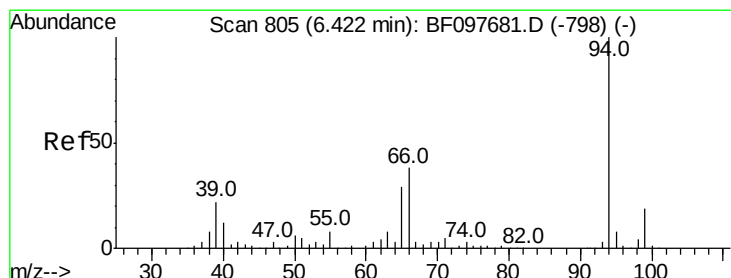
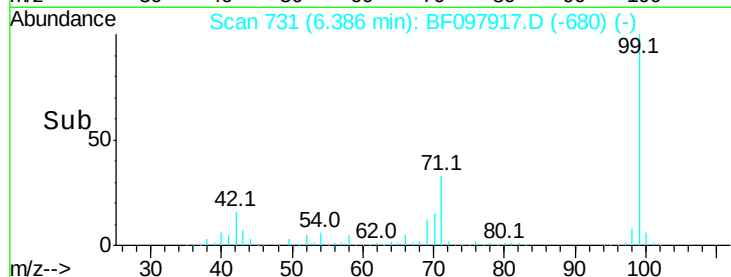
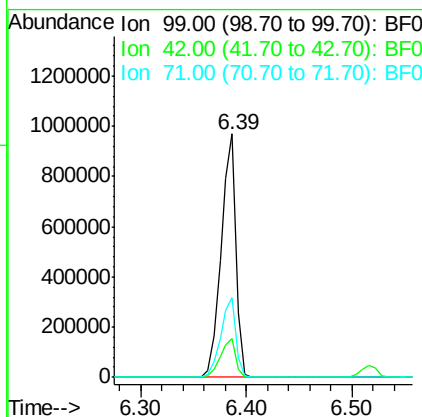
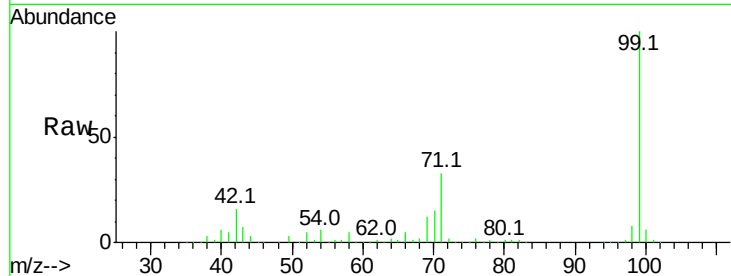
ClientSampleId :

CL-02-081717-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		953512		
42	15.8	13.5	20.3		
71	32.7	24.5	36.7		

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#10

Phenol

Concen: 2.234 ng

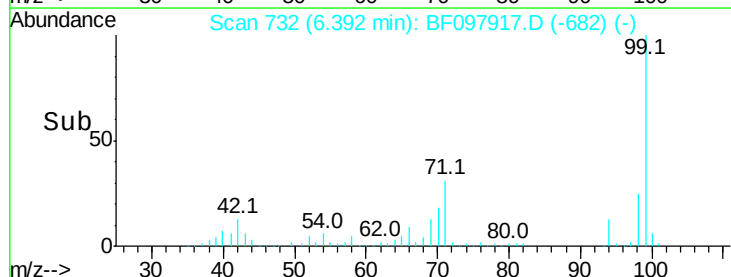
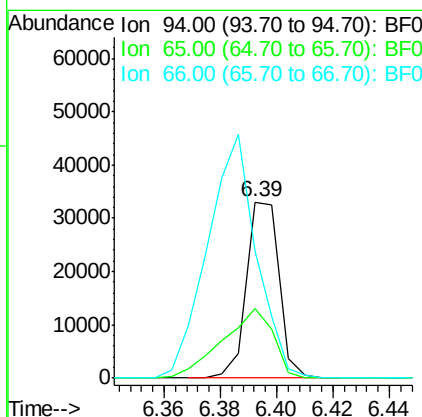
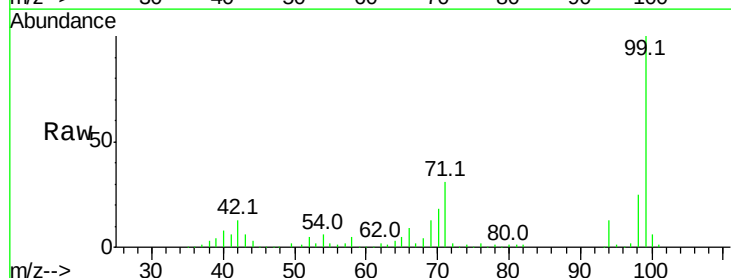
RT: 6.39 min Scan# 732

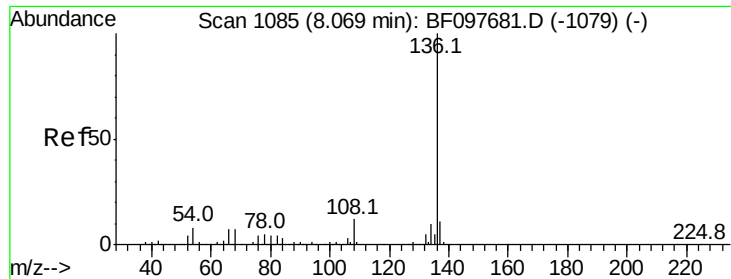
Delta R.T. -0.01 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		26508		
65	39.3	9.9	49.9		
66	72.0	23.1	63.1#		





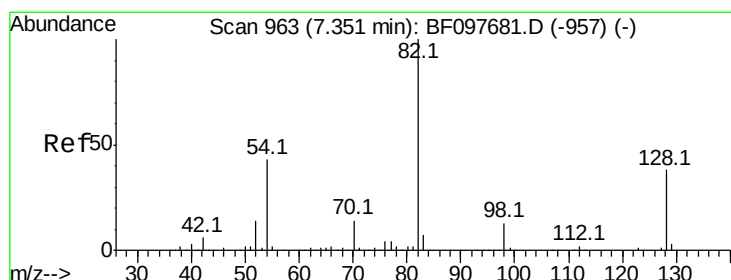
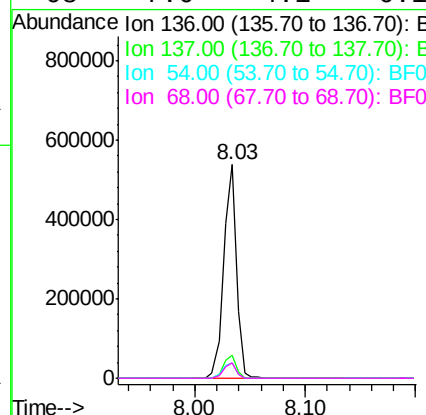
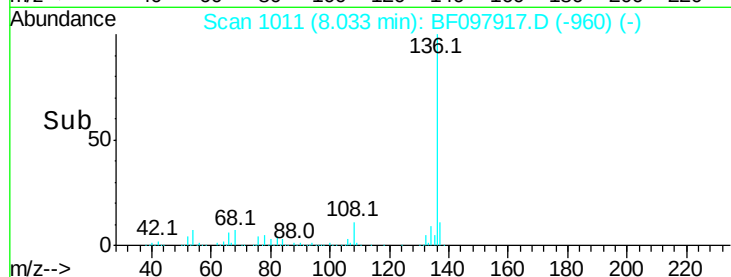
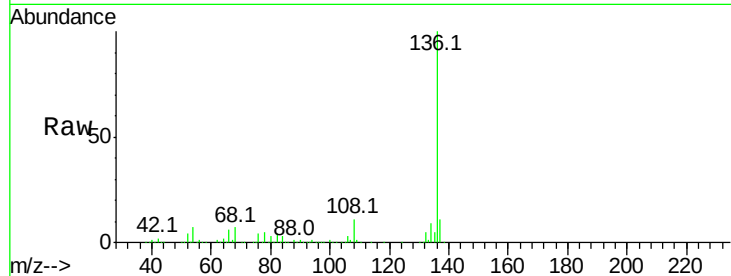
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	7.2	4.9	7.3	
68	7.0	4.1	6.1	

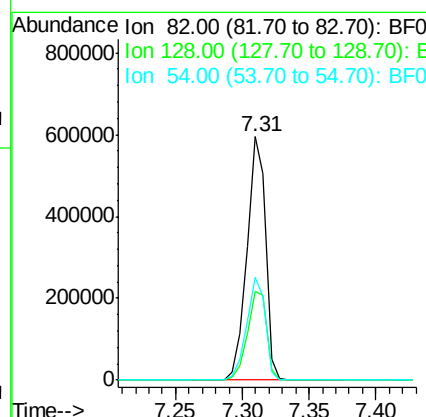
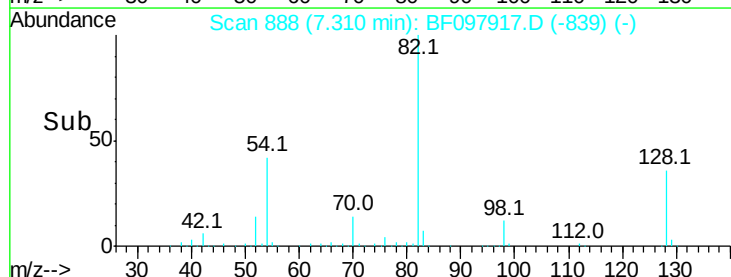
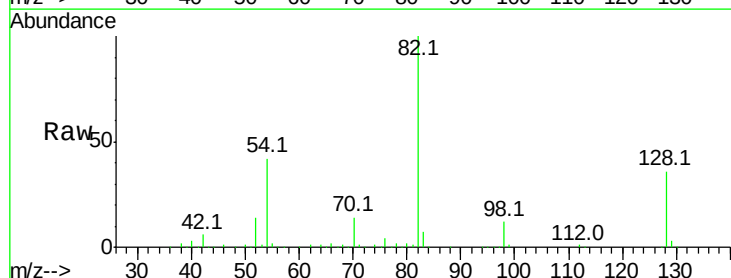
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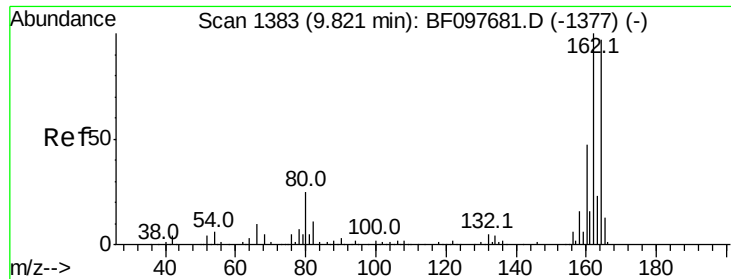
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#23
Nitrobenzene-d5
Concen: 71.944 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.4	34.0	51.0	
54	42.4	42.2	63.2	





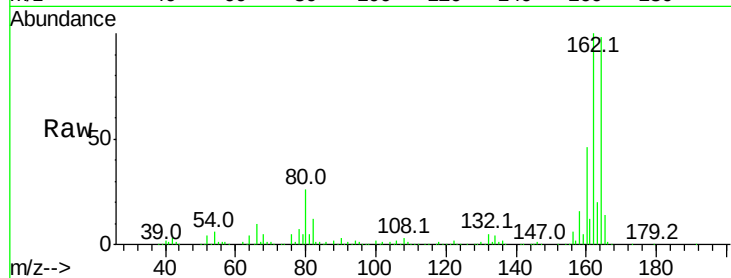
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

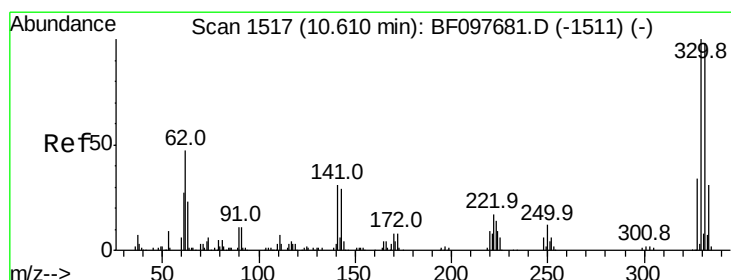
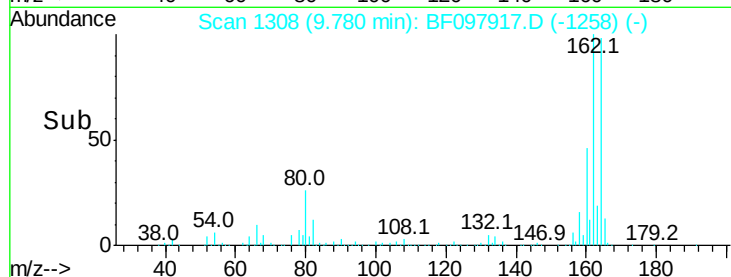
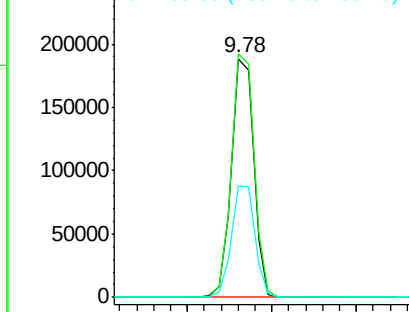
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	123.8
160	46.9	36.2	54.2

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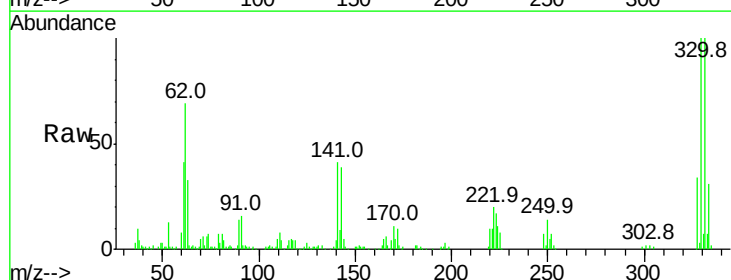


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

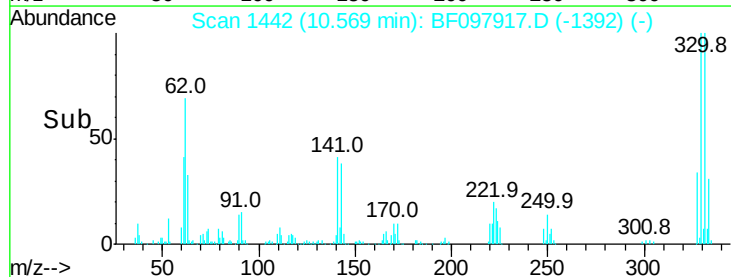
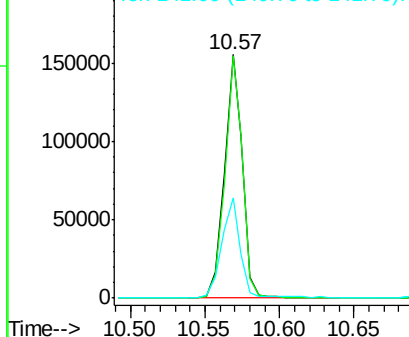


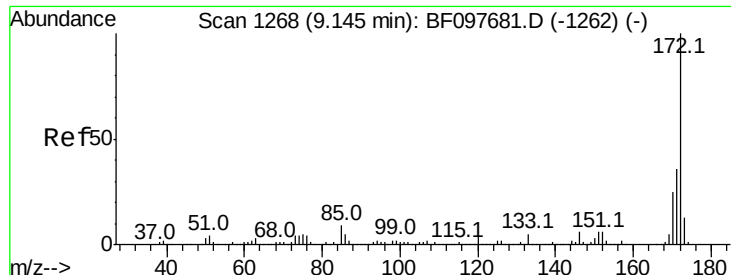
#41
2,4,6-Tribromophenol
Concen: 88.078 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	43.6	31.4	47.2



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





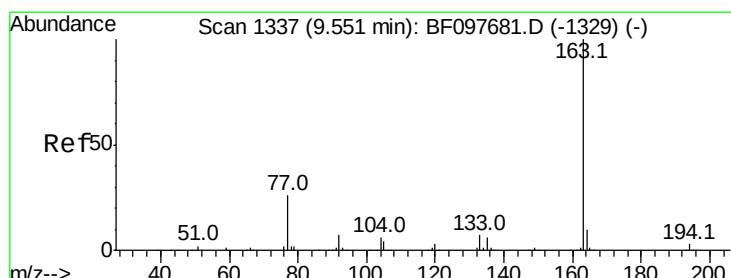
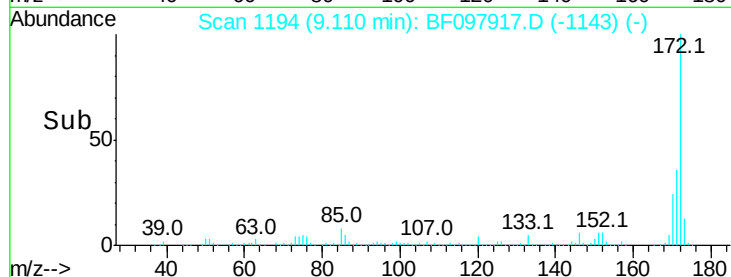
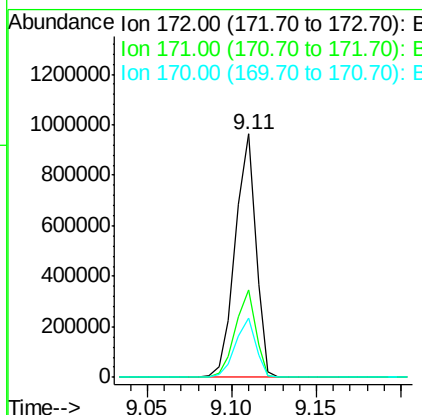
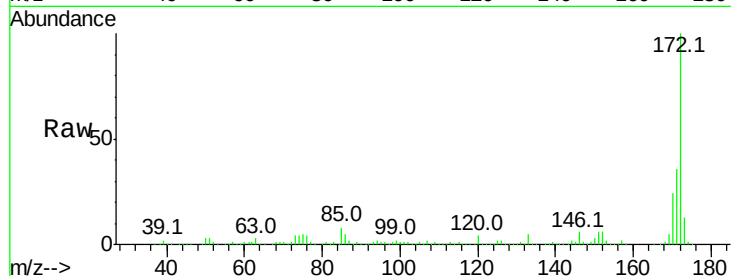
#44
2-Fluorobiphenyl
Concen: 69.697 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

Tot Ion	Ratio	Resp	Lower	Upper
172	100	820013		
171	35.8		29.6	44.4
170	24.4		19.8	29.8

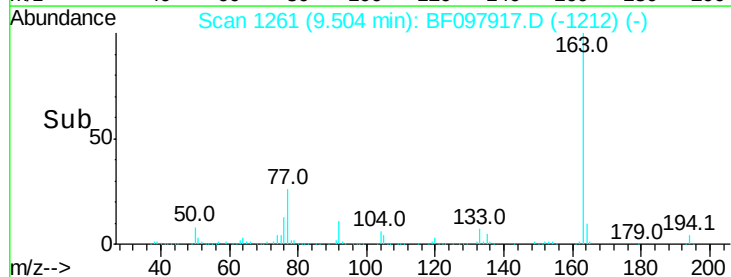
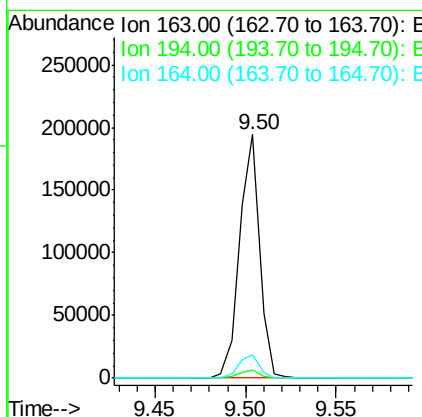
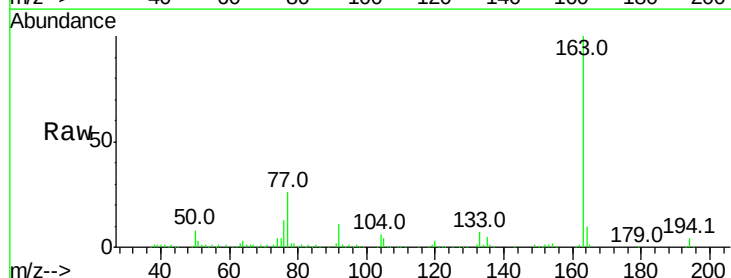
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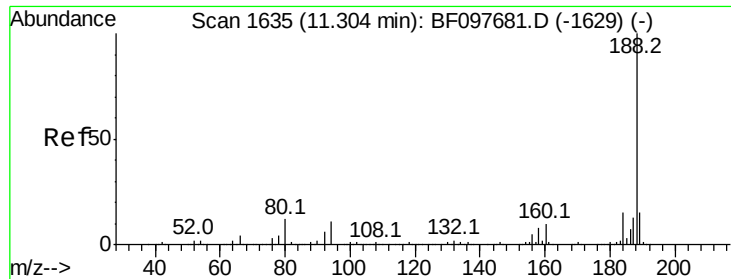
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#49
Dimethylphthalate
Concen: 11.872 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	150004		
194	3.6		2.6	4.0
164	9.6		8.4	12.6





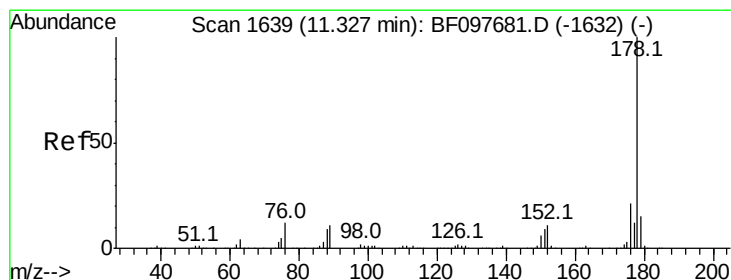
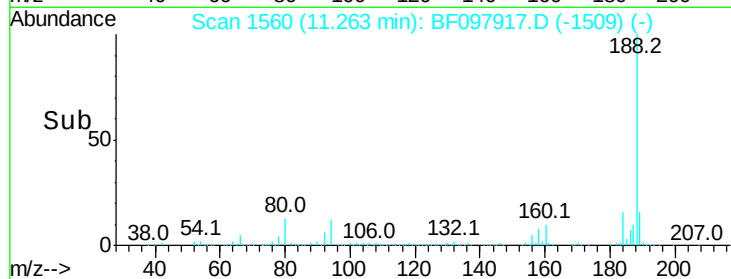
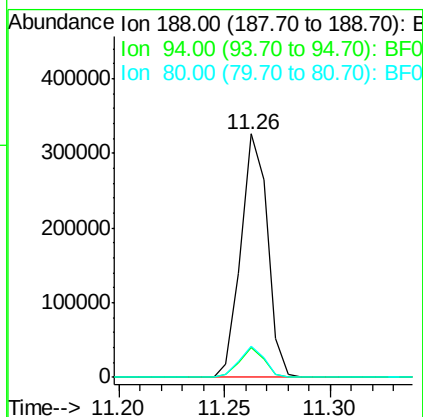
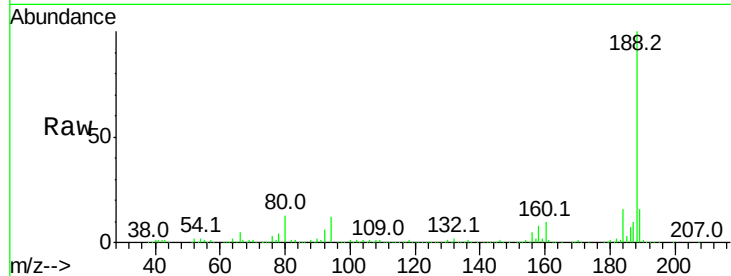
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

Tot Ion	Ratio	Resp	Lower	Upper
188	100	284461		
94	12.5		9.4	14.2
80	13.0		10.2	15.2

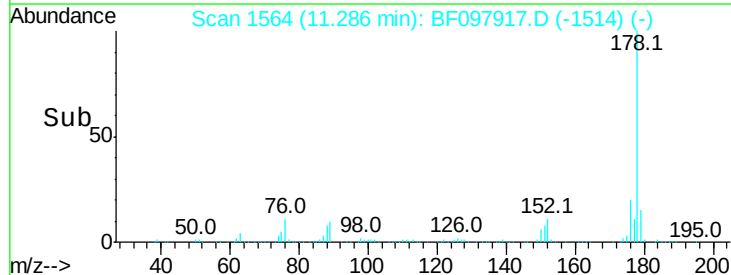
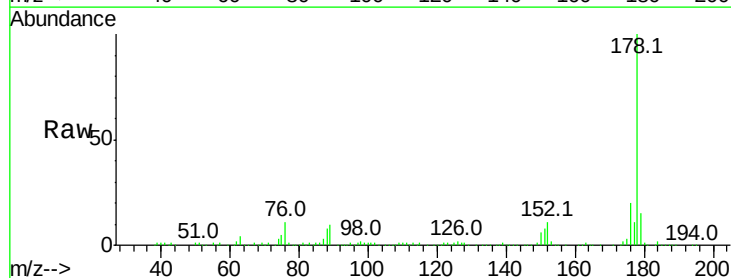
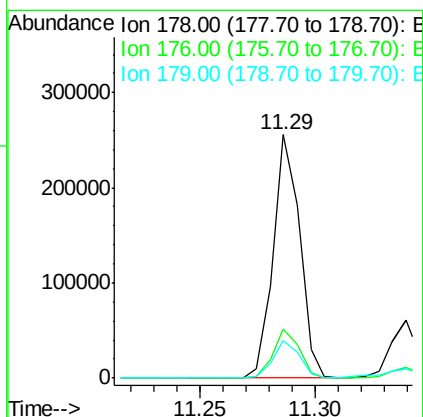
Manual Integrations
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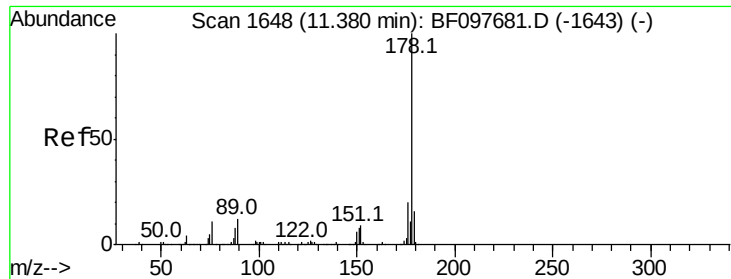
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#70
Phenanthrene
Concen: 13.437 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	203675		
176	20.3		16.2	24.4
179	15.4		12.6	19.0





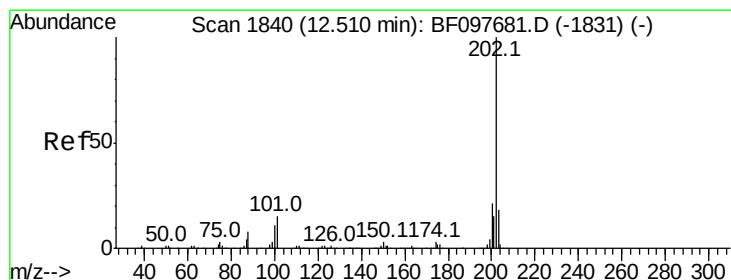
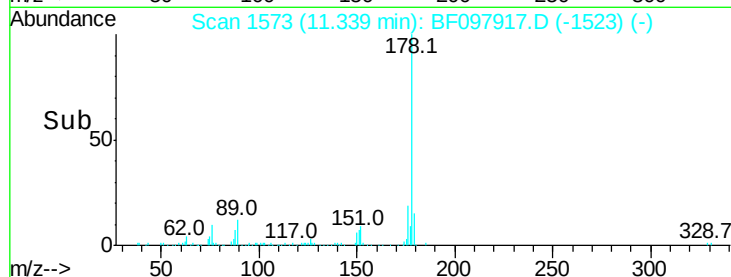
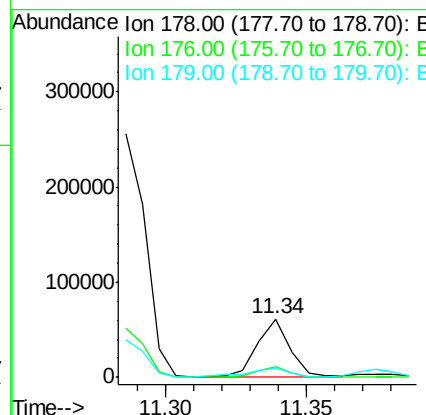
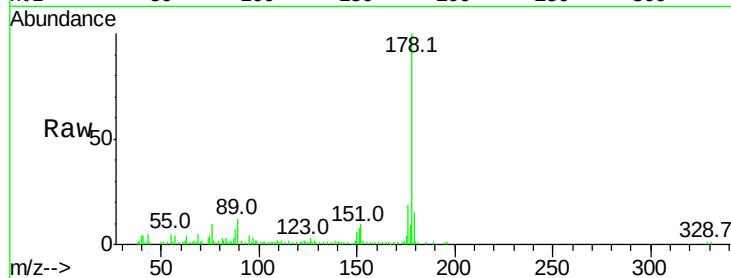
#71
 Anthracene
 Concen: 3.115 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-E

Tot Ion:	178	Resp:	47891
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	15.3	12.7	19.1

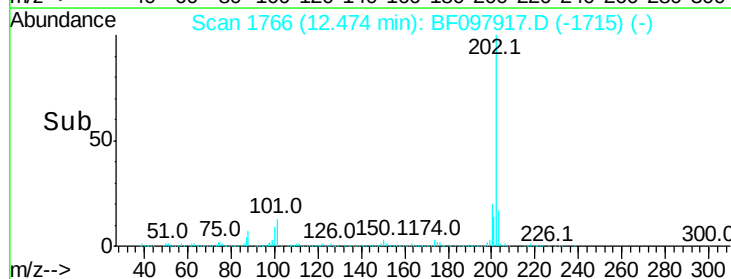
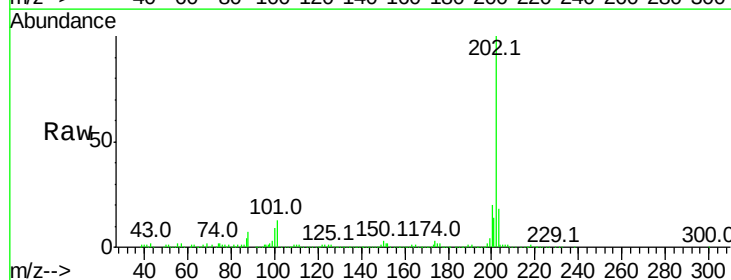
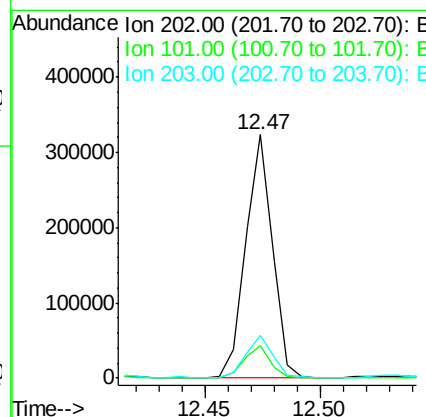
Manual Integrations
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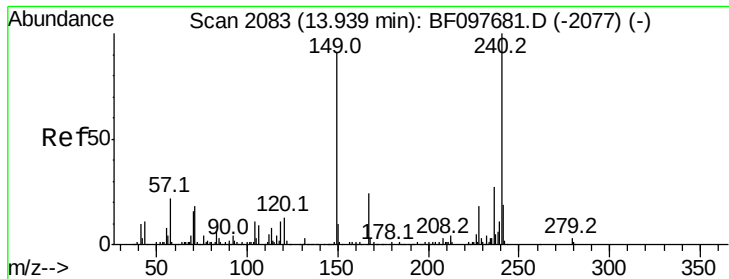
Sohil
 8/22/2017 5:44:37 PM



#74
 Fluoranthene
 Concen: 16.434 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Tgt Ion:	202	Resp:	260011
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

Instrument :

BNA_F

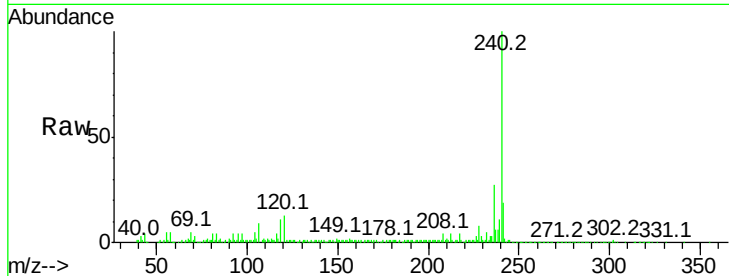
ClientSampleId :

CL-02-081717-E

Tot Ion:	240	Resp:	230597
Ion Ratio	Lower	Upper	
240	100		
120	13.1	5.8	8.8#
236	26.8	20.5	30.7

Manual Integrations
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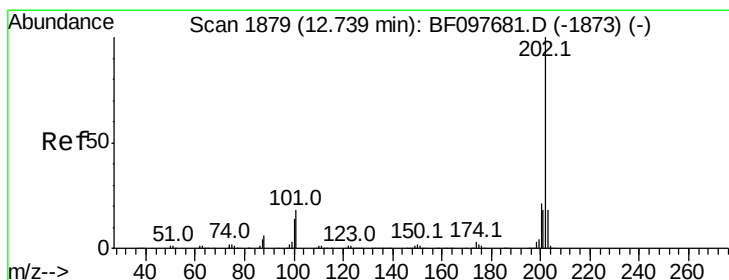
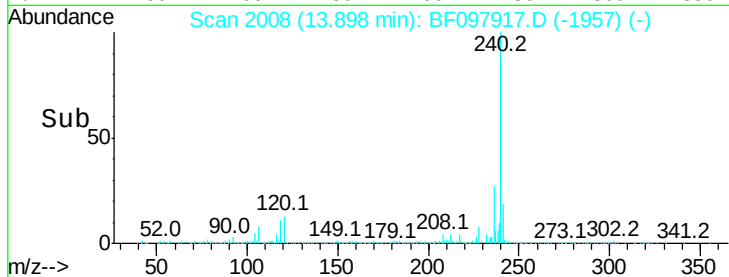
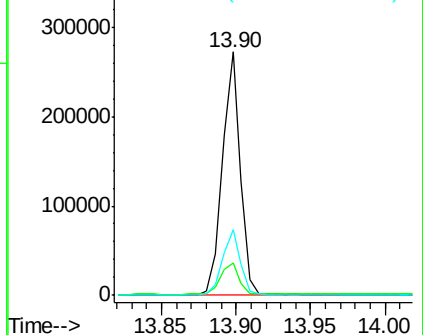
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.838 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF097917.D

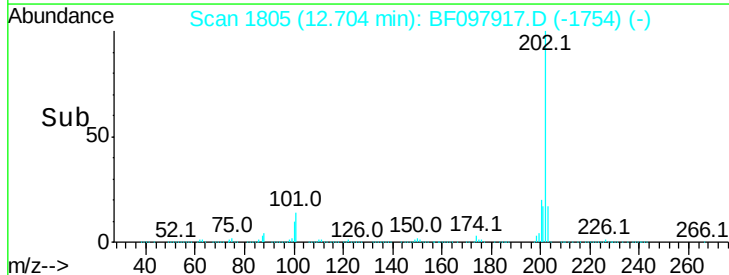
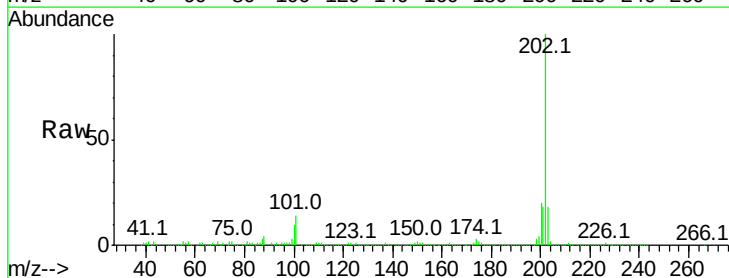
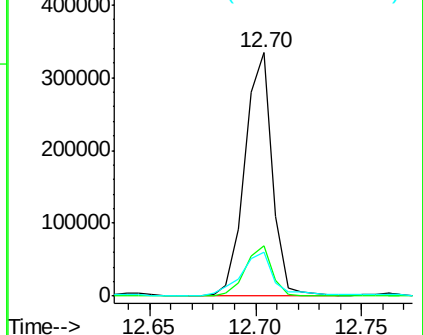
Acq: 21 Aug 2017 20:47

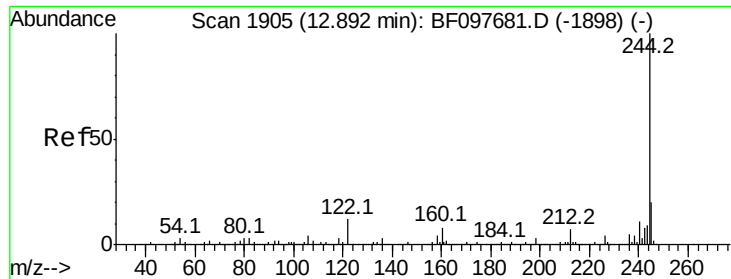
Tgt Ion:	202	Resp:	298714
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.6	26.4
203	18.0	14.4	21.6

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





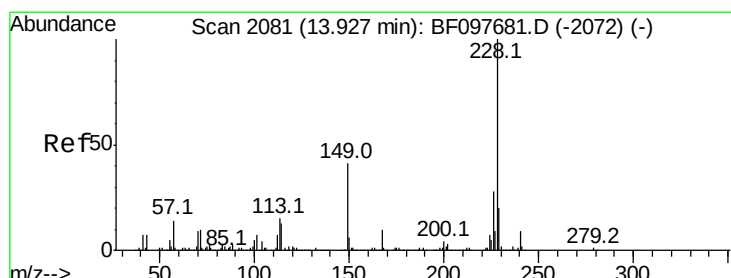
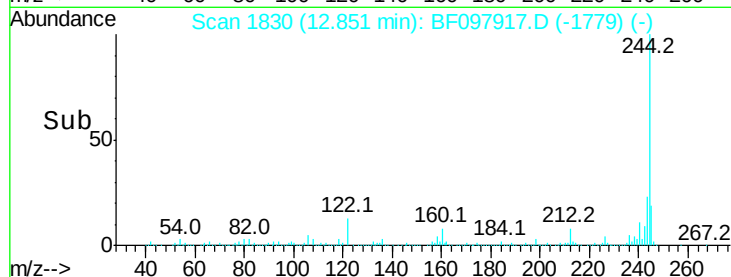
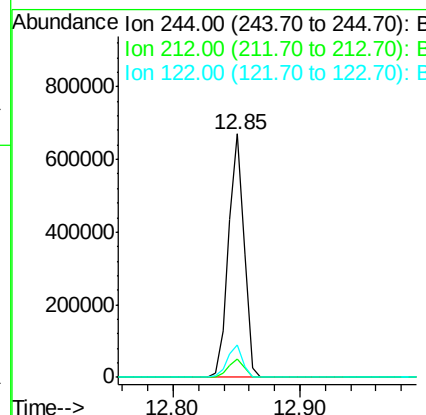
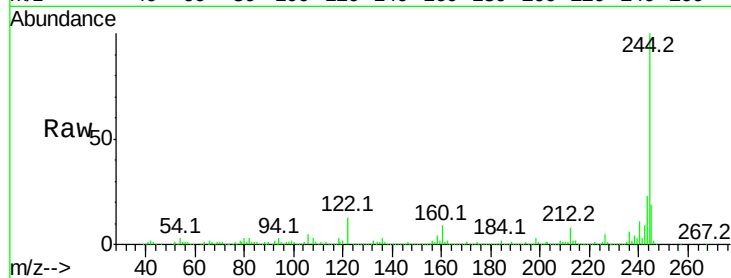
#78
 Terphenyl-d14
 Concen: 51.780 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-E

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.3	10.3	15.5

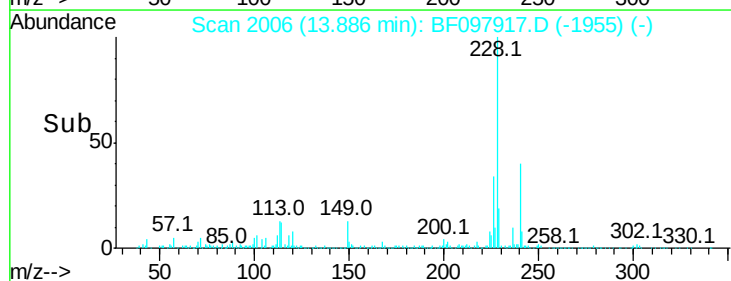
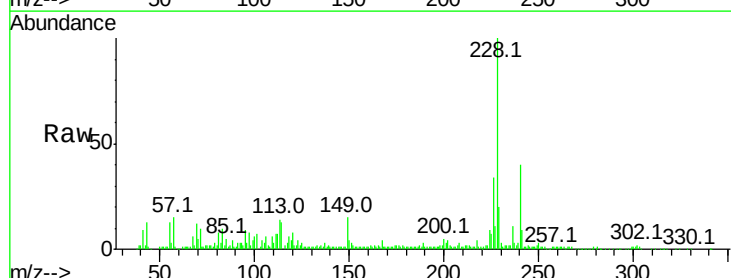
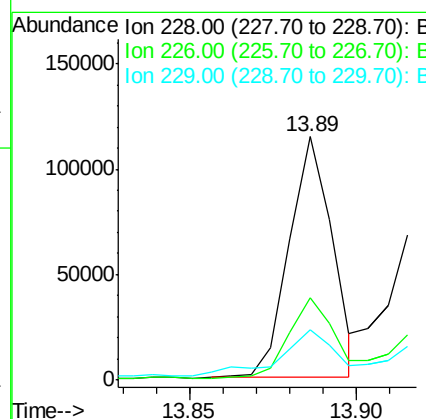
Manual Integrations
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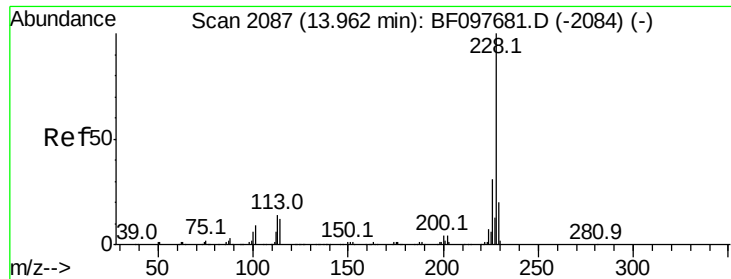
Sohil
 8/22/2017 5:44:37 PM



#80
 Benzo(a)anthracene
 Concen: 7.454 ng m
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	22.6	33.8#
229	20.5	16.3	24.5





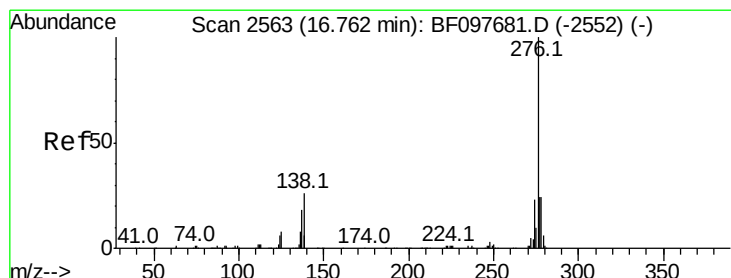
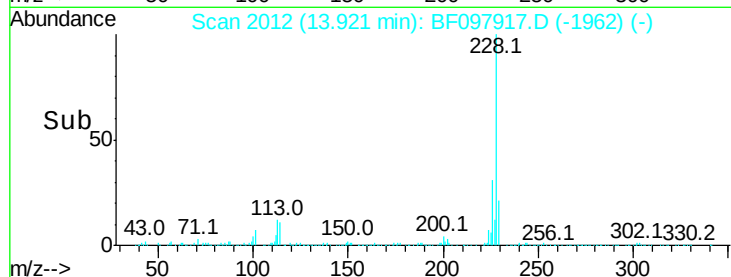
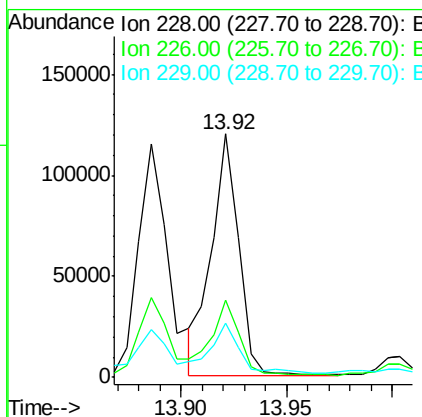
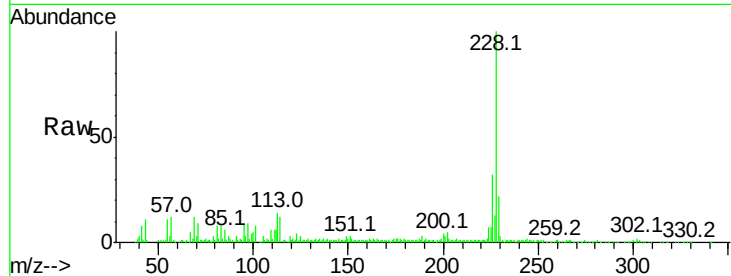
#82
Chrysene
Concen: 7.849 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	22.5	15.8	23.6

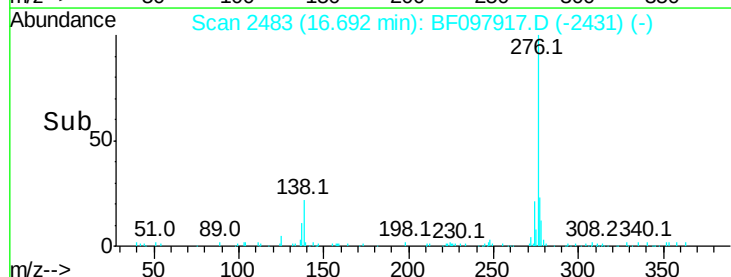
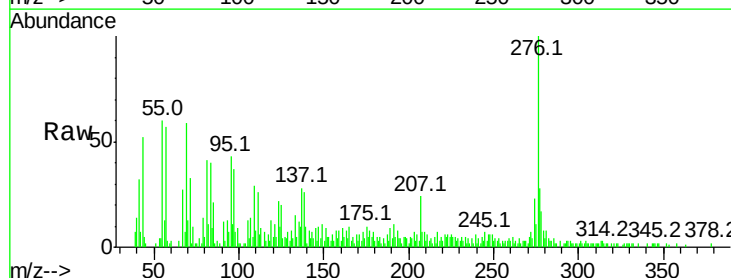
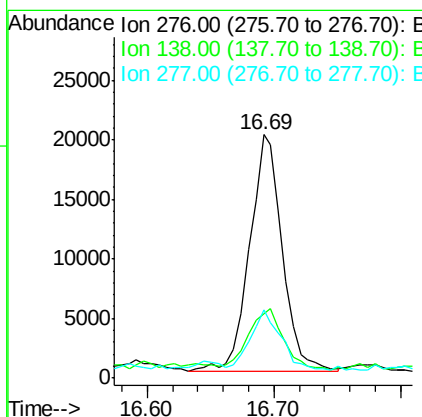
Manual Integrations
APPROVED

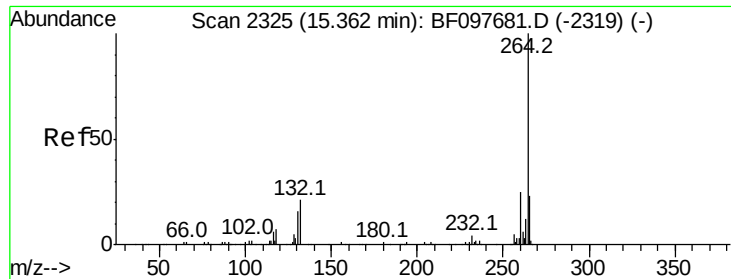
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.516 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	27.8	41.6
277	23.3	20.2	30.4





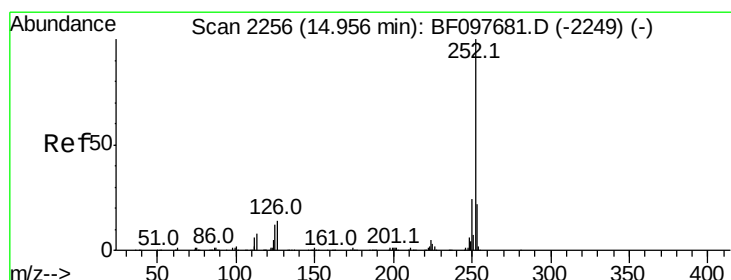
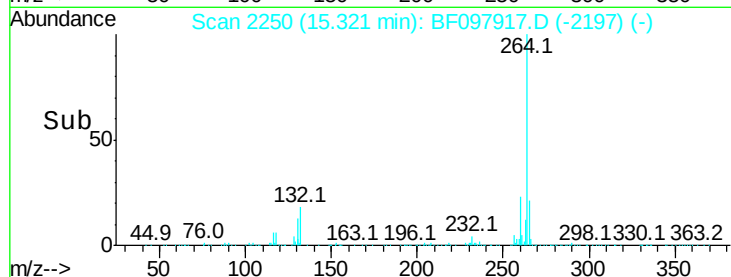
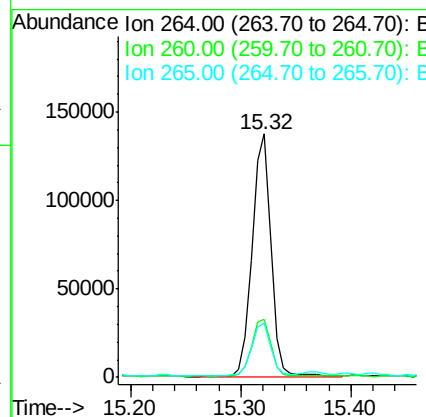
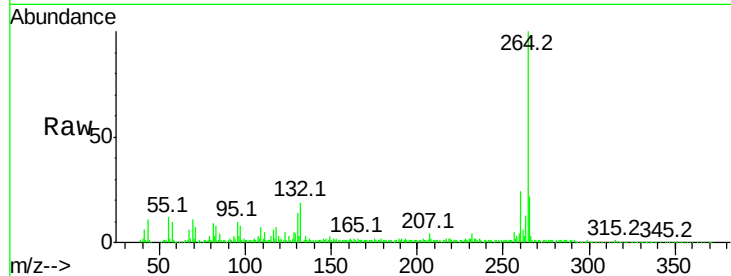
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.0	17.2	25.8

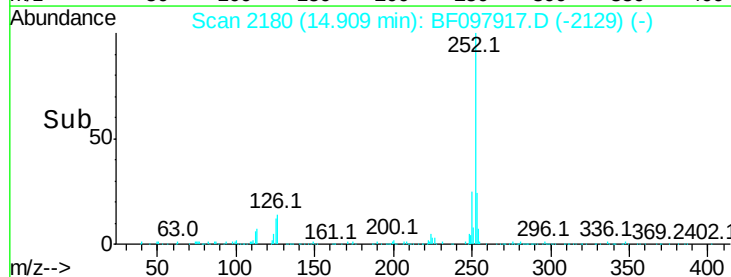
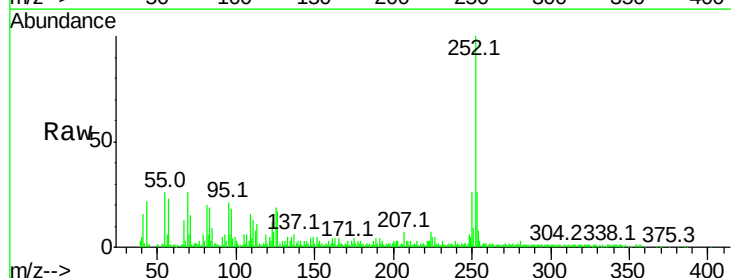
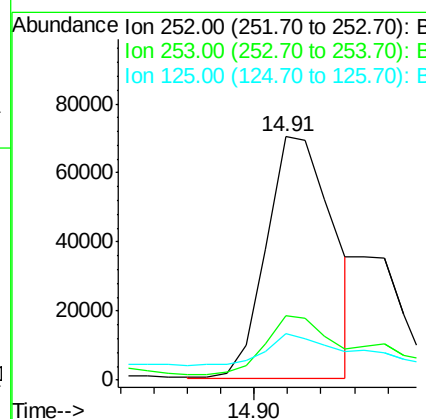
Manual Integrations
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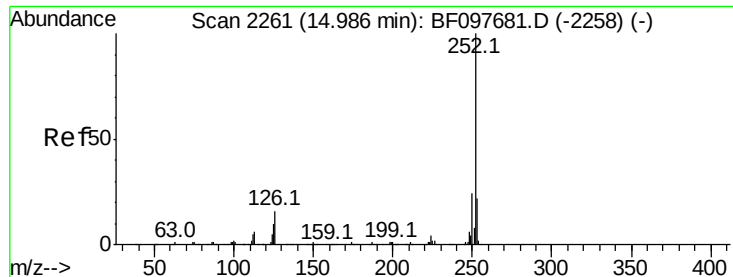
Sohil
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#87
Benzo(b)fluoranthene
Concen: 9.328 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.1	27.1
125	19.1	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.811 ng/mL

RT: 14.93 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

Instrument :

BNA_F

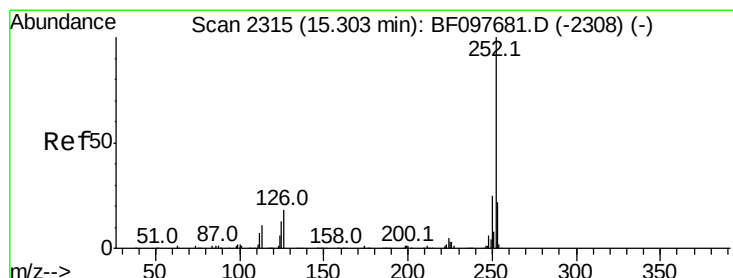
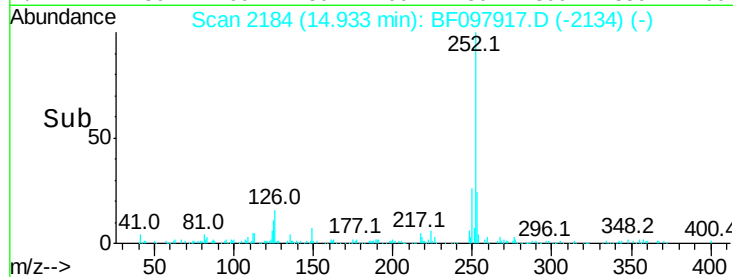
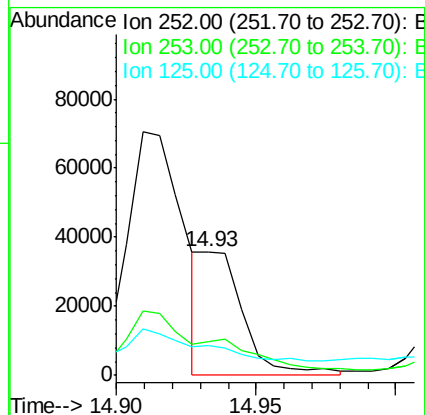
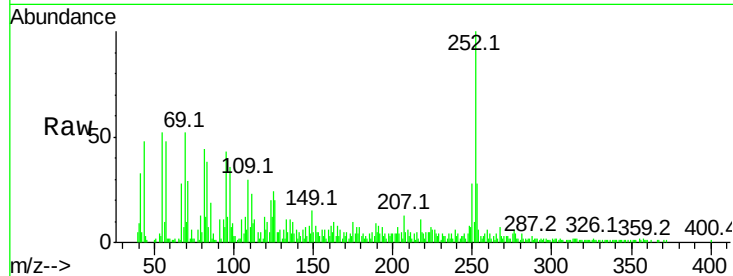
ClientSampleId :

CL-02-081717-E

Tot Ion:	252	Resp:	37130
Ion Ratio	Lower	Upper	
252	100		
253	27.7	18.4	27.6#
125	24.4	13.1	19.7#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 7.474 ng/mL

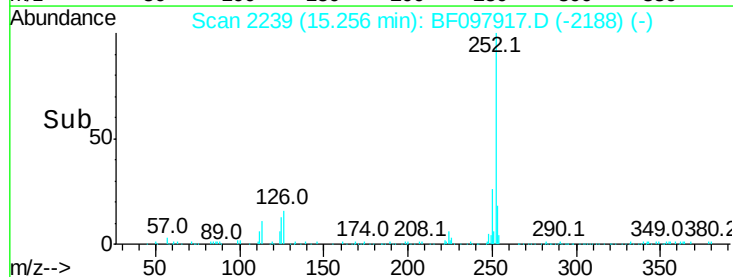
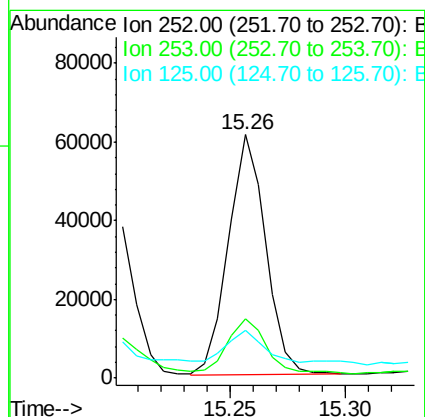
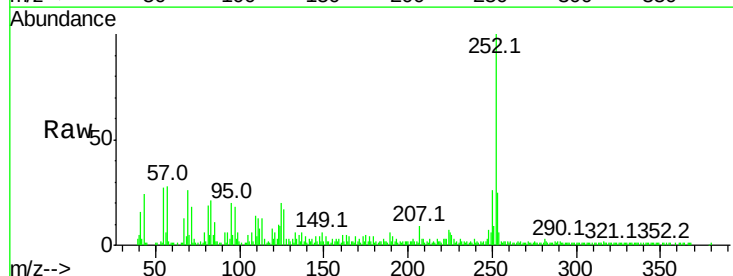
RT: 15.26 min Scan# 2239

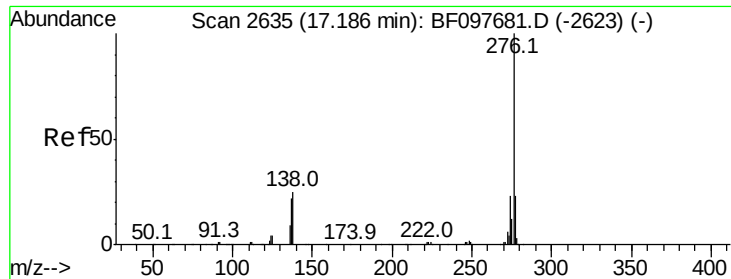
Delta R.T. -0.00 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

Tgt Ion:	252	Resp:	68616
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	19.6	11.0	16.4#





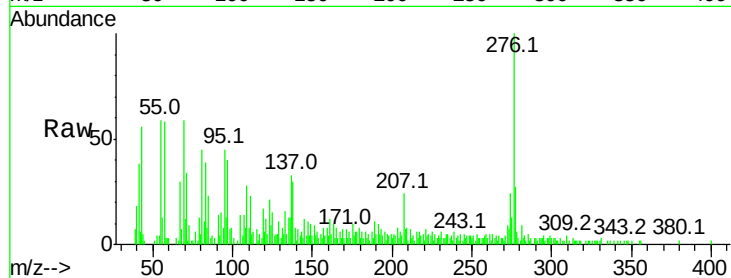
#91
 Benzo(a,h,i)perylene
 Concen: 4.682 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-E

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.6	28.0
138	29.9	25.4	38.0

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

