

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099395.D
 Acq On : 12 Oct 2017 15:00
 Operator : SJ/JU
 Sample : I5530-06 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LB-32(14.5-15)

Manual Integrations
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Sohil
 10/13/2017 3:05:32 PM

Quant Time: Oct 12 16:51:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 16:21:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131498	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	520111	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	223869	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	338996	20.00	ng	0.00
75) Chrysene-d12	14.01	240	205663	20.00	ng	0.00
86) Perylene-d12	15.49	264	224366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	175020	21.19	ng	-0.01
7) Phenol-d6	6.48	99	208892	20.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	119447	14.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	34095	18.61	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	253882	18.93	ng	0.00
78) Terphenyl-d14	12.95	244	141206	15.61	ng	0.00
Target Compounds						
70) Phenanthrene	11.40	178	70110	3.864	ng	Qvalue 97
74) Fluoranthene	12.59	202	98431	5.357	ng	98
77) Pyrene	12.82	202	94198	6.007	ng	100
80) Benzo(a)anthracene	14.00	228	41659	3.345	ng	98
82) Chrysene	14.04	228	43123	3.637	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	24393	2.572	ng	99
87) Benzo(b)fluoranthene	15.05	252	51240m	3.714	ng	
89) Benzo(a)pyrene	15.42	252	43712	3.452	ng	# 90
91) Benzo(g,h,i)perylene	17.42	276	33320	3.326	ng	# 85

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

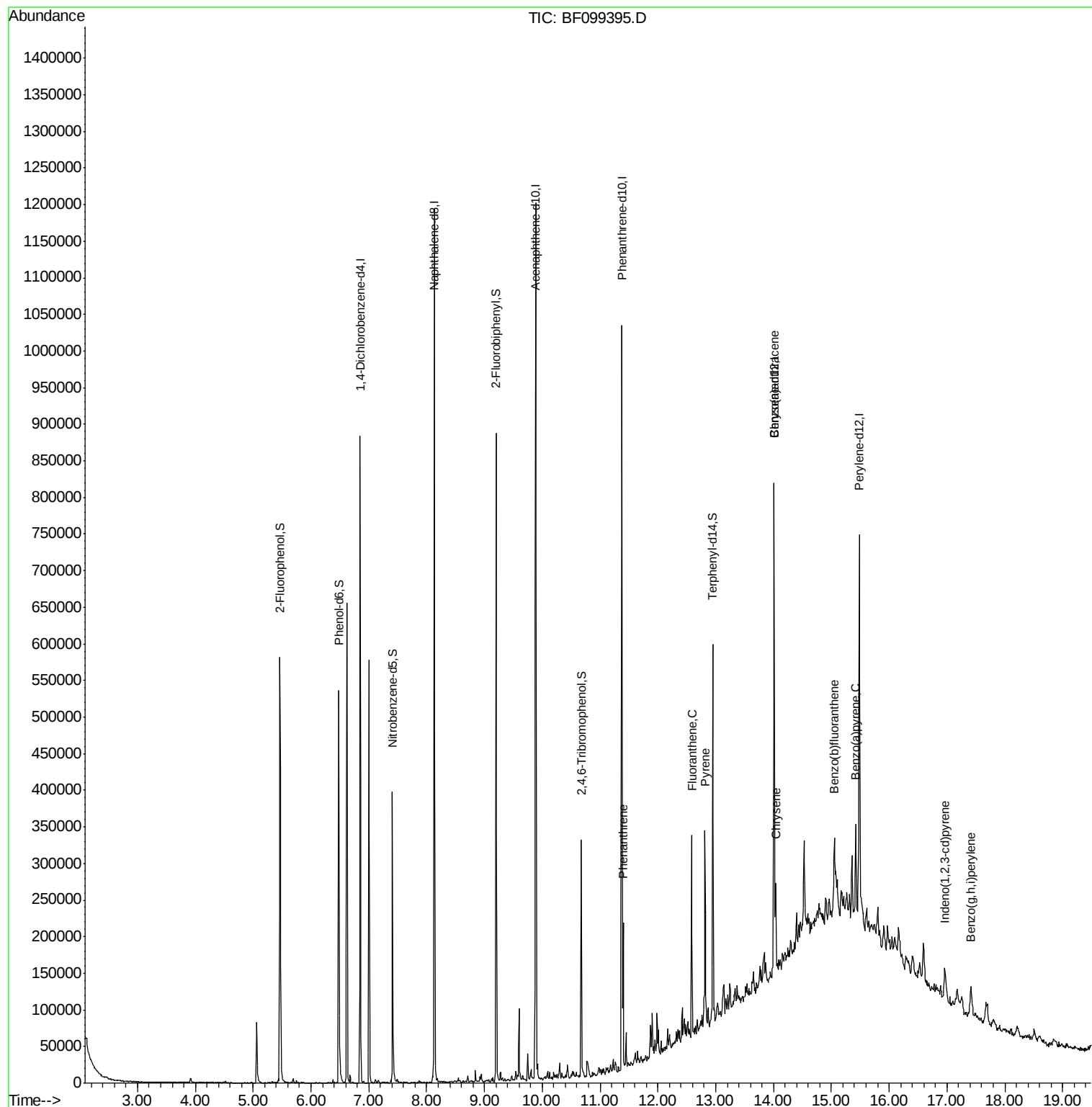
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099395.D
Acq On : 12 Oct 2017 15:00
Operator : SJ/JU
Sample : I5530-06 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

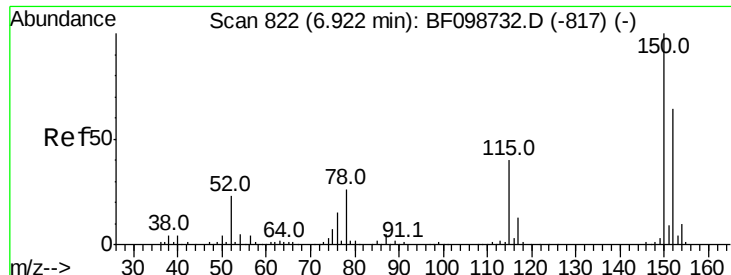
Instrument :
BNA_F
ClientSampled :
LB-32(14.5-15)

Manual Integrations
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Quant Time: Oct 12 16:51:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

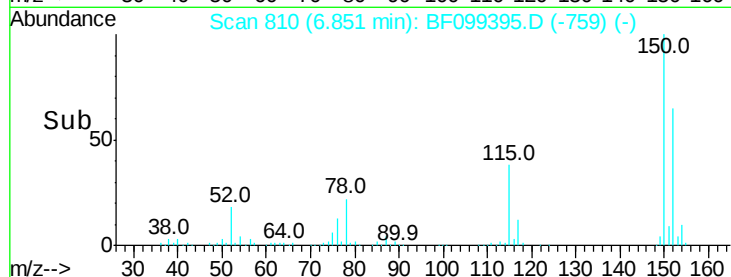
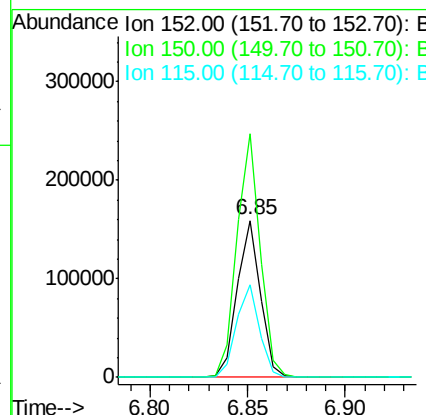
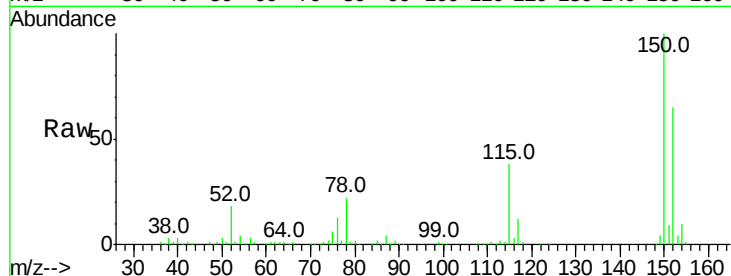
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	58.8	50.1	75.1

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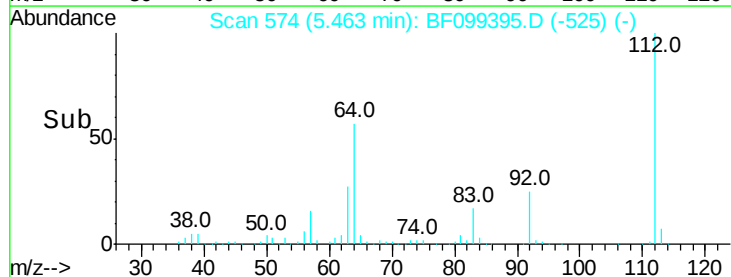
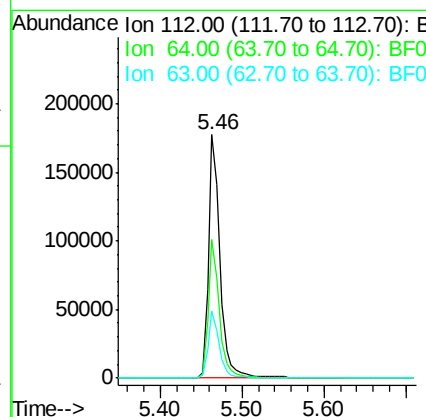
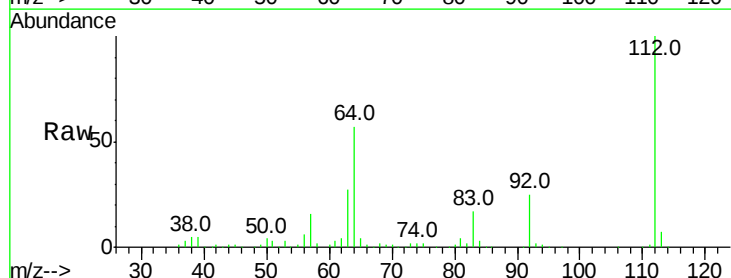
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#5

2-Fluorophenol
Concen: 21.188 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 20.499 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

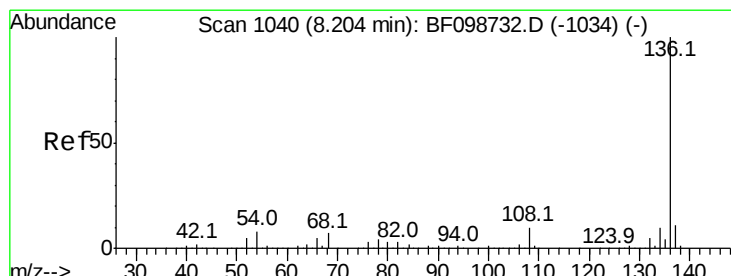
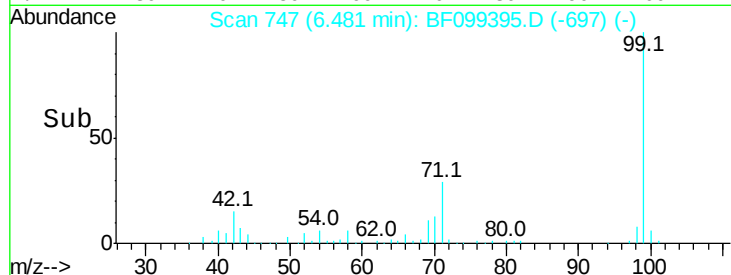
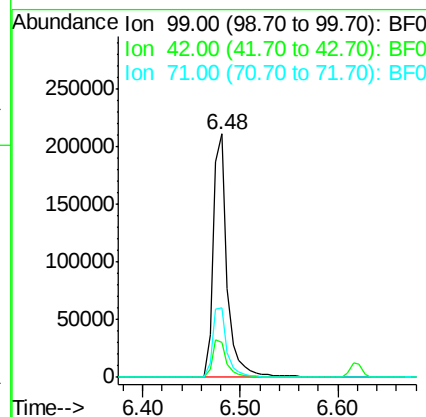
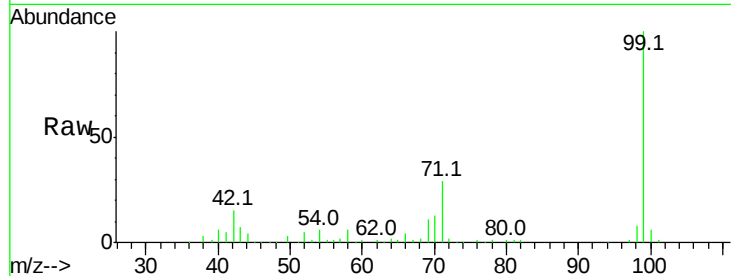
ClientSampled :

LB-32(14.5-15)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		208892		
42	14.5	14.5	21.7		
71	28.5	25.4	38.0		

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

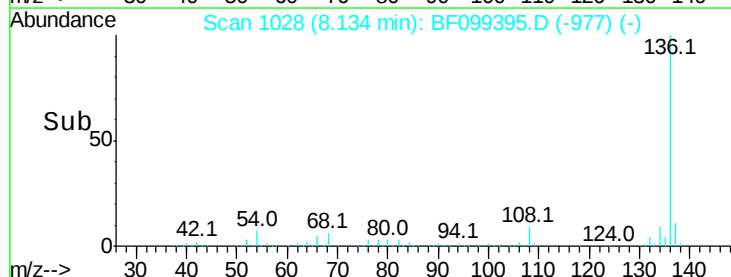
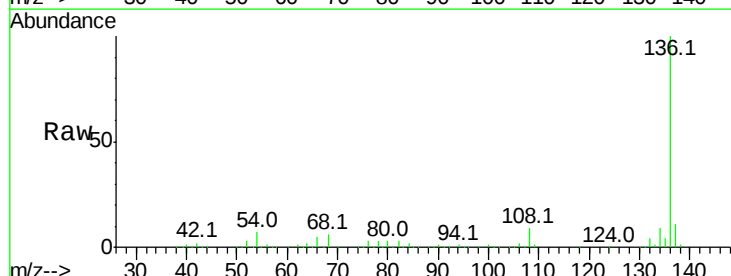
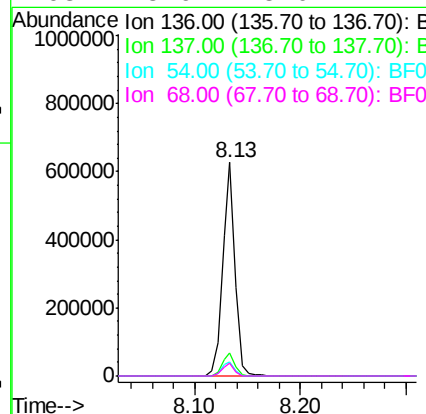
RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		520111		
137	10.6	8.9	13.3		
54	6.9	6.6	9.8		
68	5.9	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 14.728 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

ClientSampleId :

LB-32(14.5-15)

Tot Ion: 82 Resp: 119447

Ion Ratio Lower Upper

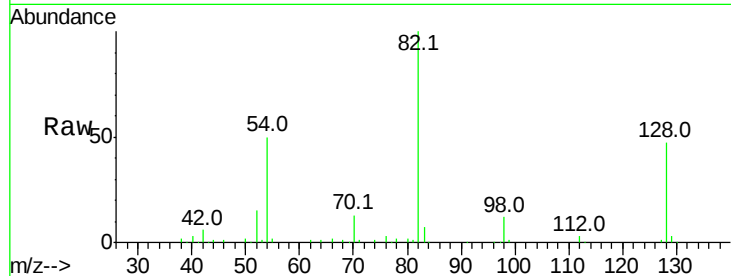
82 100

128 46.9 36.1 54.1

54 50.2 41.4 62.2

Manual Integrations
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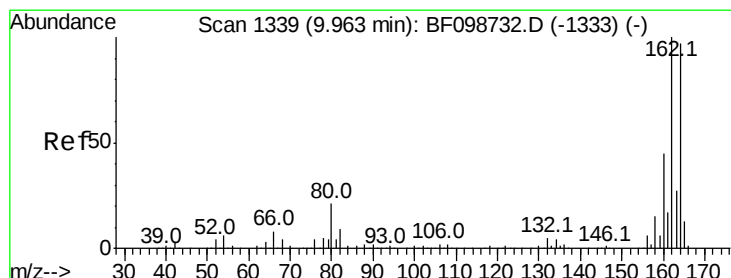
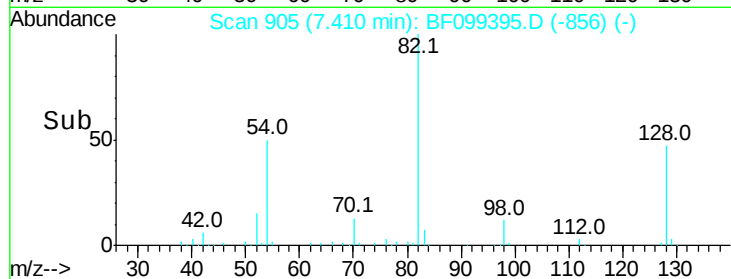
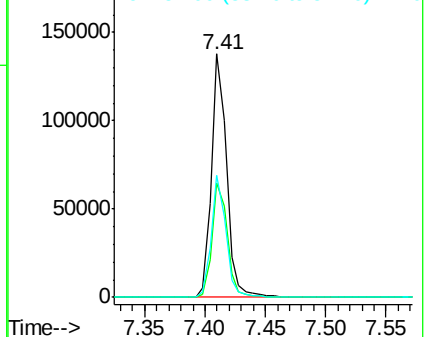
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

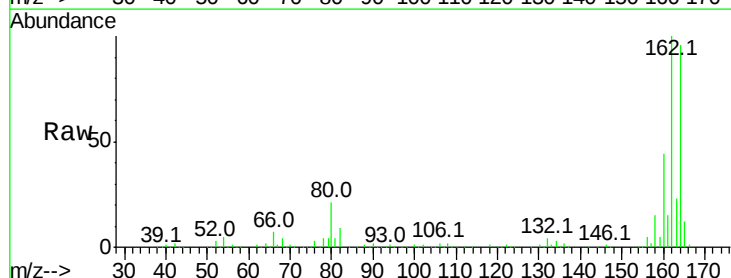
Tgt Ion:164 Resp: 223869

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

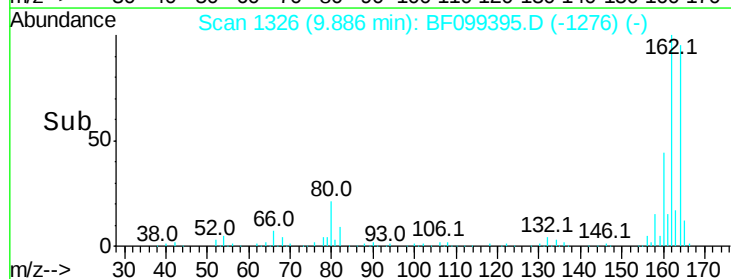
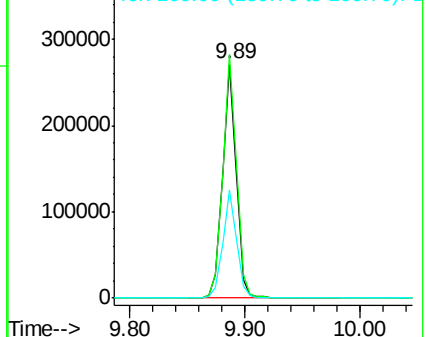
160 46.2 38.3 57.5



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





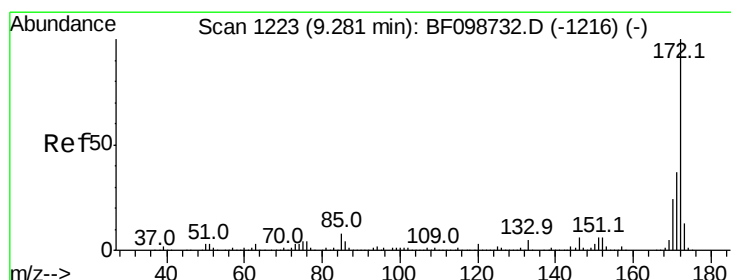
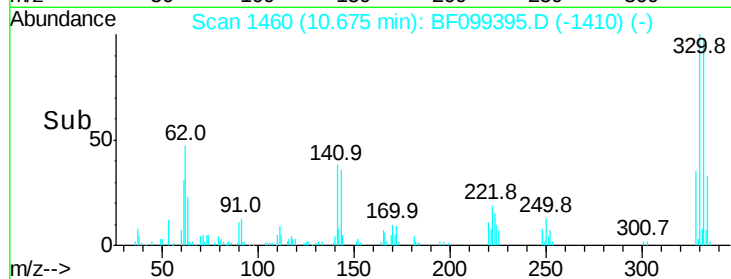
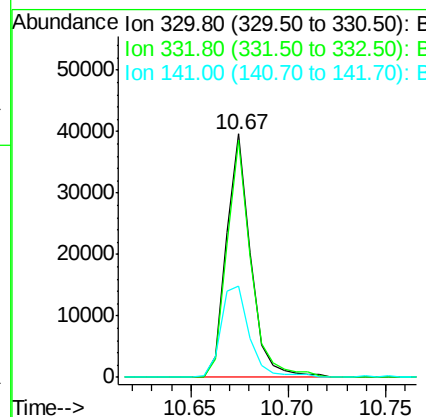
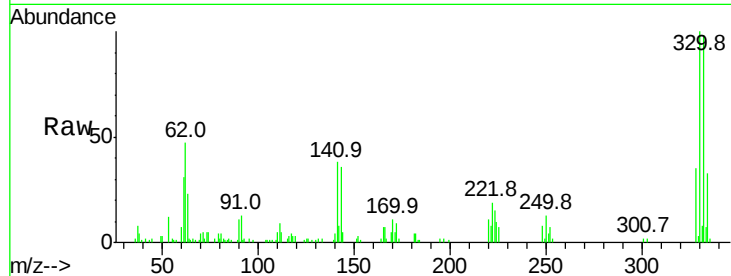
#41
 2,4,6-Tribromophenol
 Concen: 18.612 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Instrument :
 BNA_F
 ClientSampled :
 LB-32(14.5-15)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.7	77.0	115.6	
141	44.7	29.9	44.9	

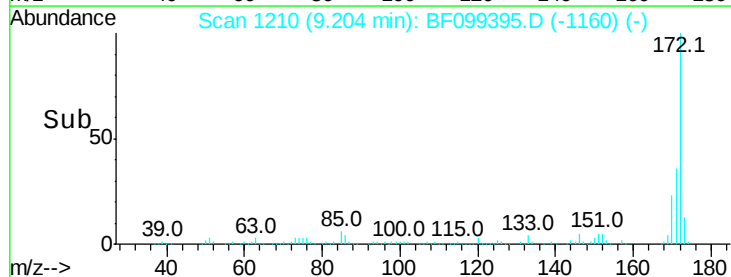
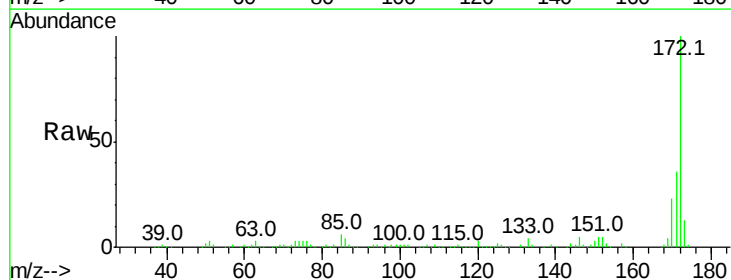
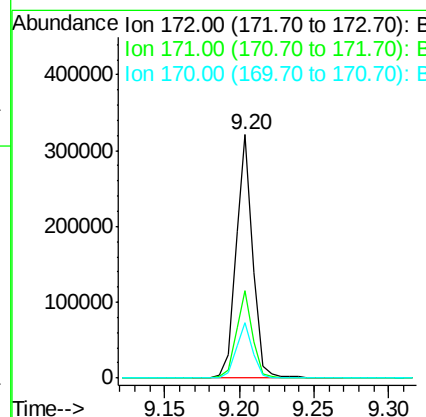
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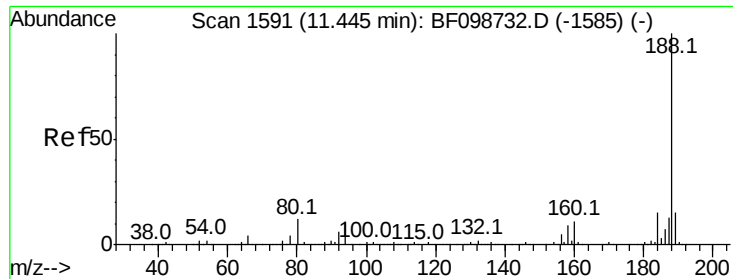
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#44
 2-Fluorobiphenyl
 Concen: 18.932 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	22.9	19.6	29.4	





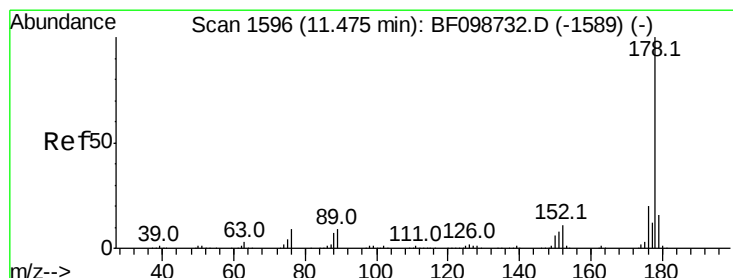
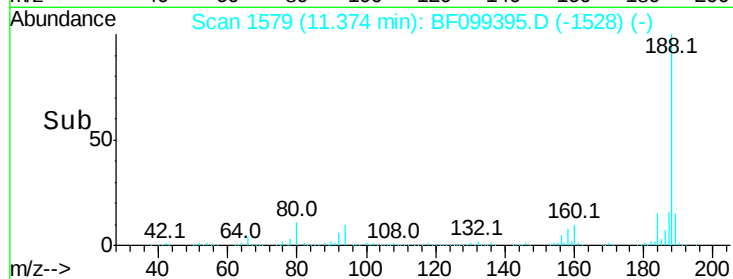
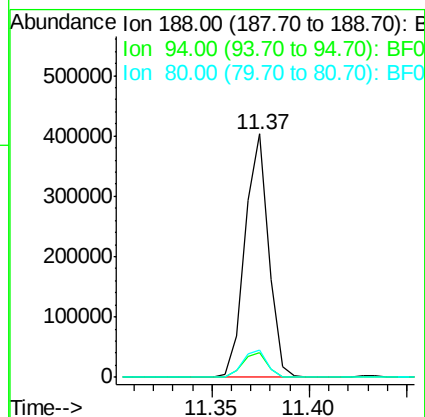
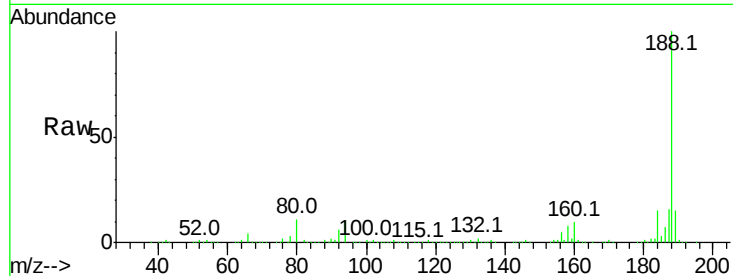
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

Tot Ion:	188	Resp:	338996
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.5	12.7
80	11.2	9.2	13.8

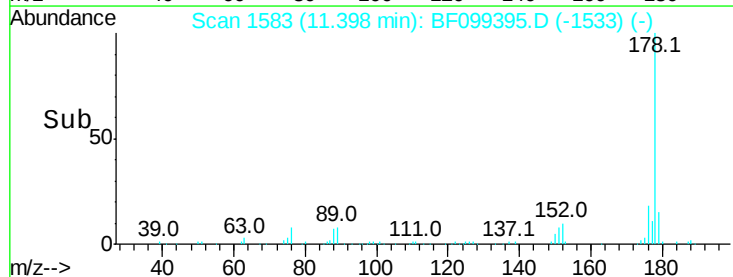
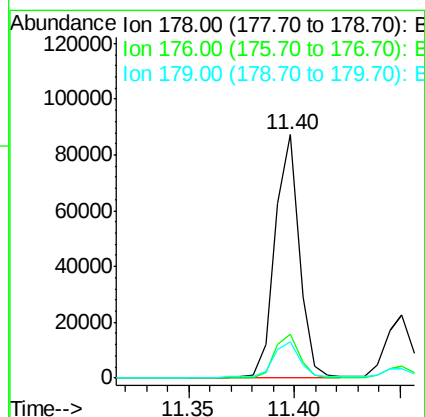
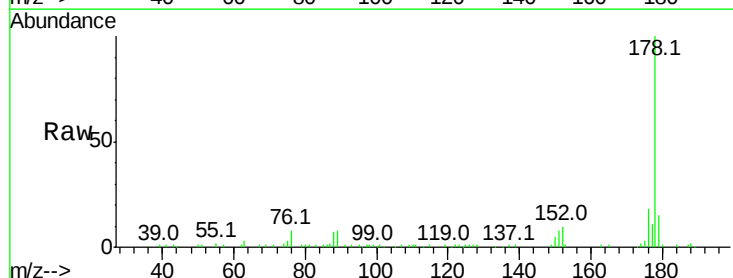
Manual Integrations
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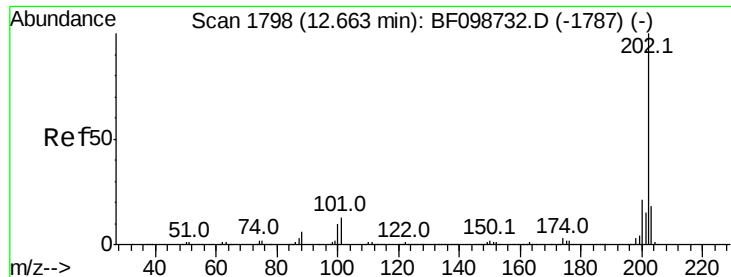
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#70
Phenanthrene
Concen: 3.864 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion:	178	Resp:	70110
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.8	23.8
179	15.0	13.0	19.6





#74

Fluoranthene

Concen: 5.357 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

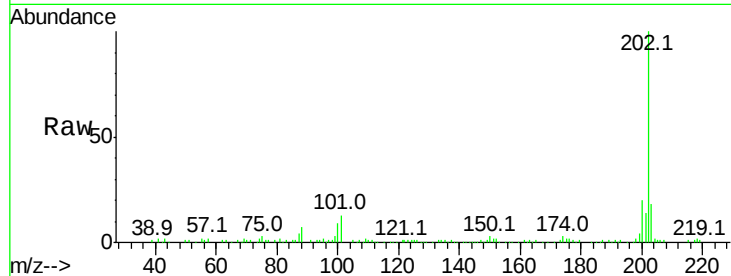
ClientSampleId :

LB-32(14.5-15)

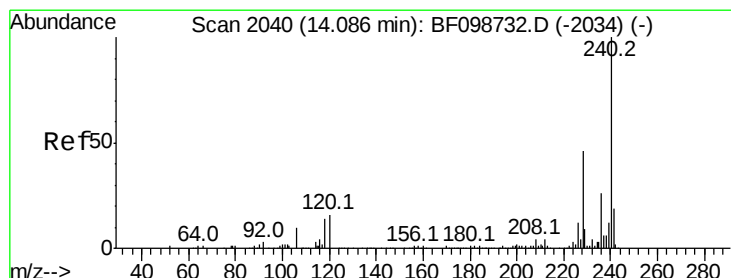
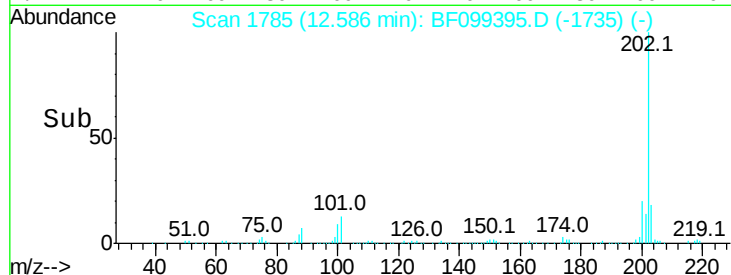
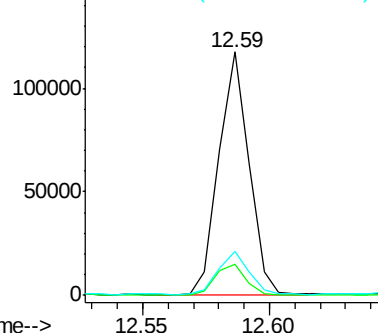
Tot Ion:	202	Resp:	98431
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	17.9	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

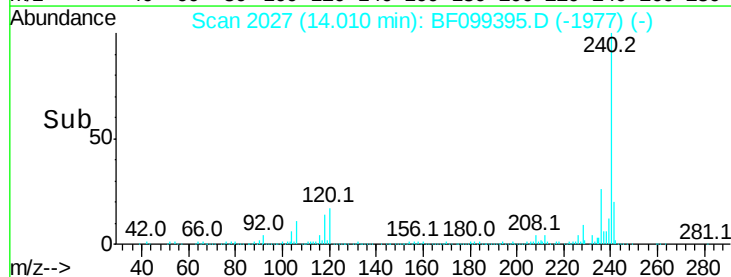
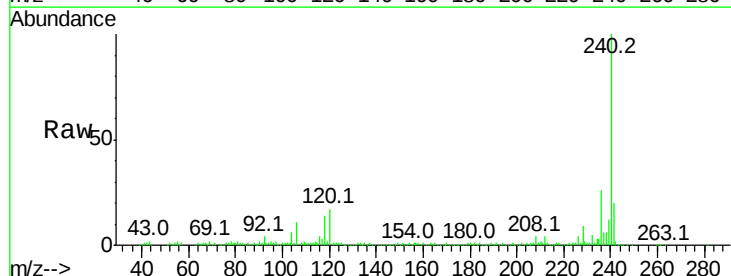
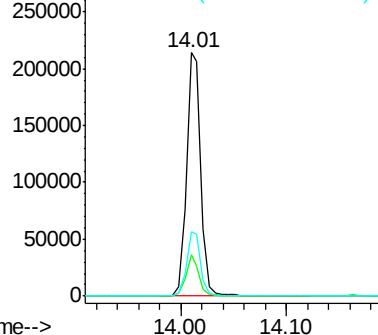
Delta R.T. -0.01 min

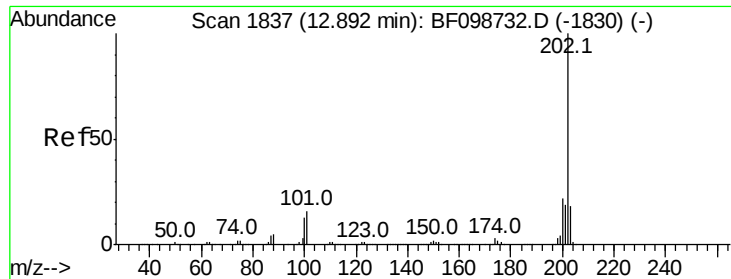
Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Tgt Ion:	240	Resp:	205663
Ion Ratio	Lower	Upper	
240	100		
120	16.9	9.5	14.3#
236	26.4	20.7	31.1

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





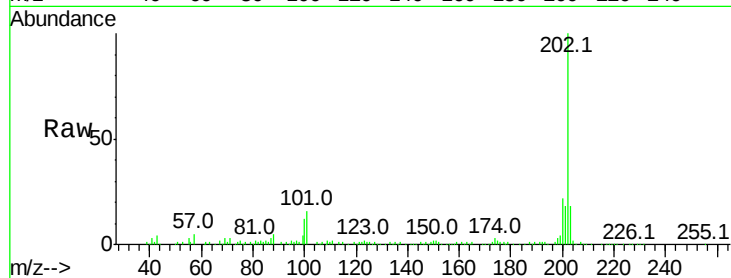
#77
Pvrene
Concen: 6.007 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampled :
LB-32(14.5-15)

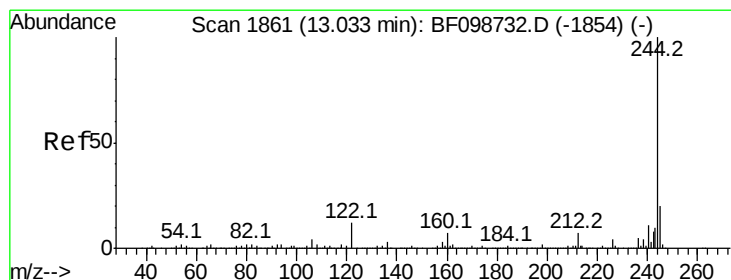
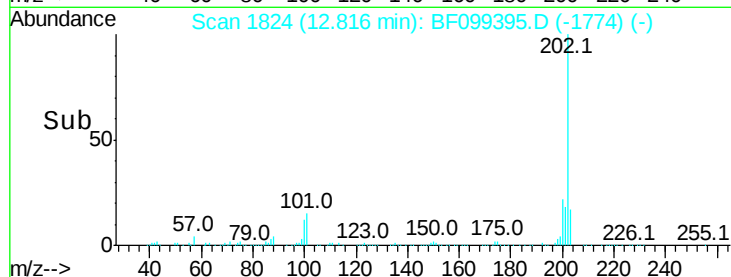
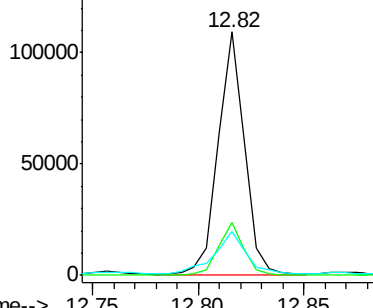
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
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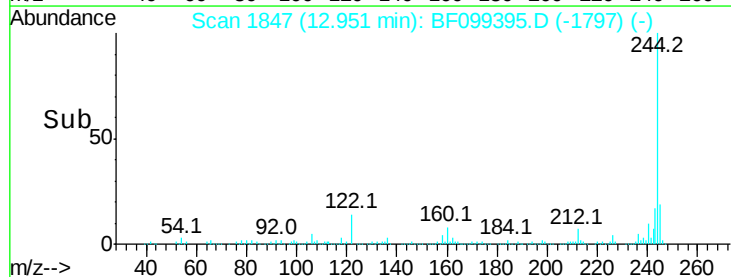
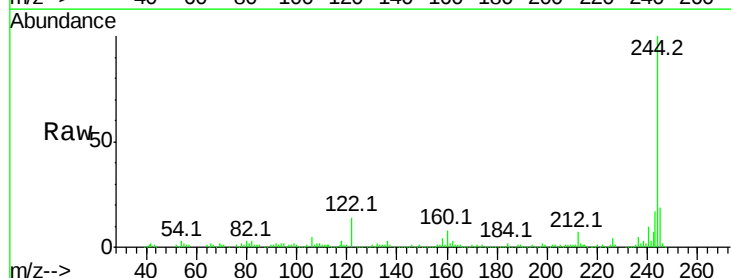
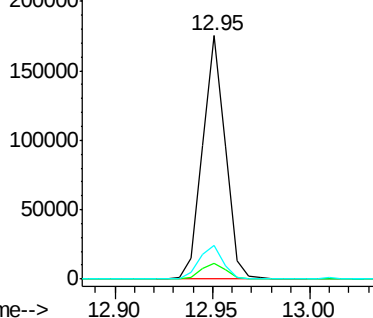
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

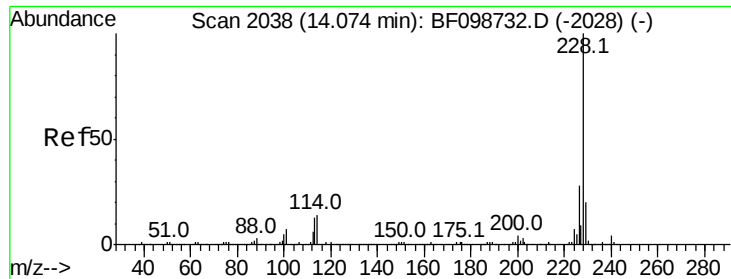


#78
Terphenyl-d14
Concen: 15.614 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.8	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





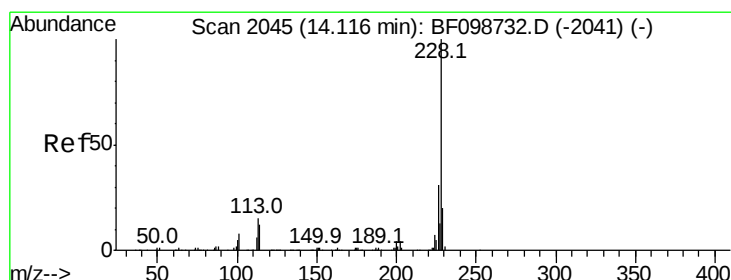
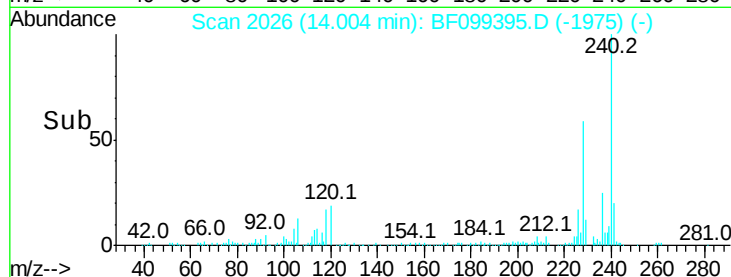
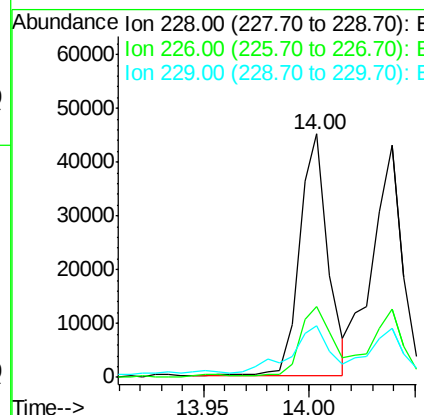
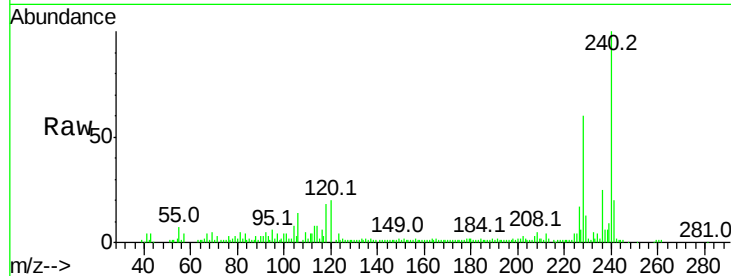
#80
Benzo(a)anthracene
Concen: 3.345 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.3	15.8	23.6

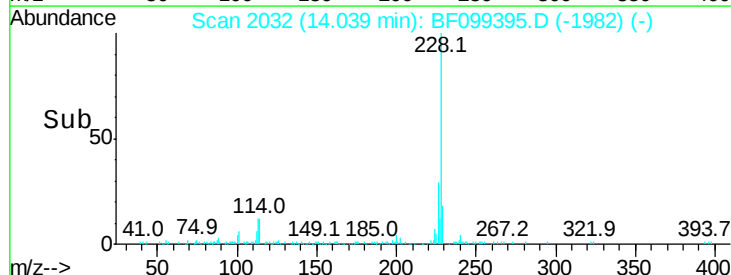
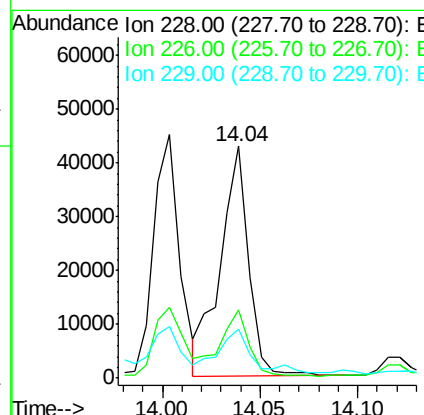
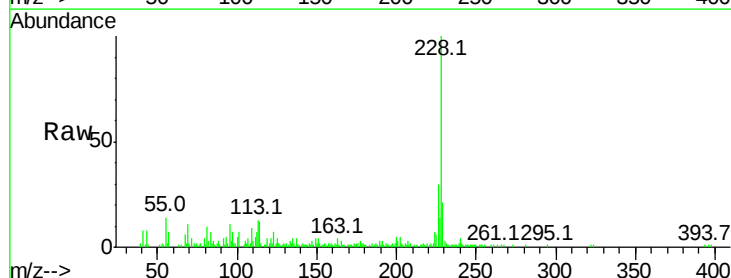
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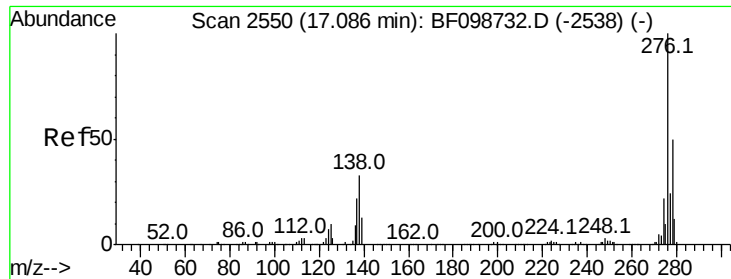
Sohil
10/13/2017 3:05:32 PM



#82
Chrysene
Concen: 3.637 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.0	16.2	24.4





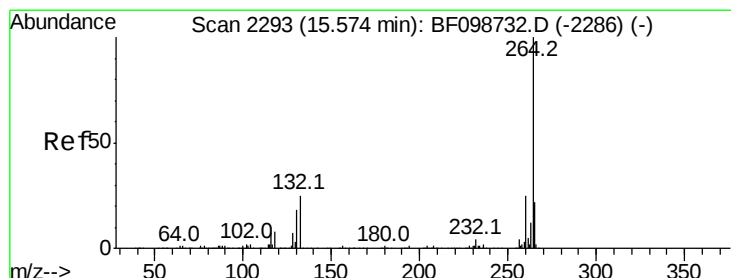
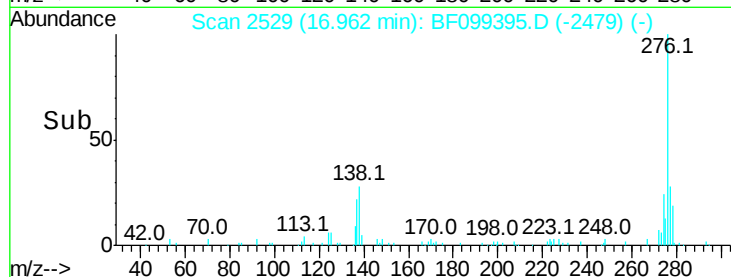
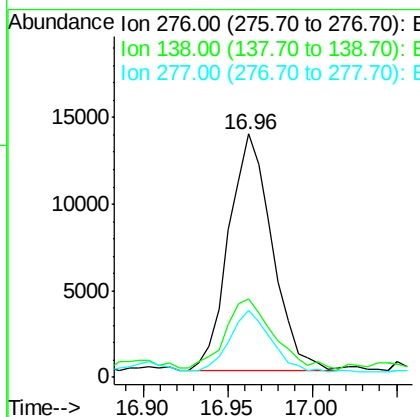
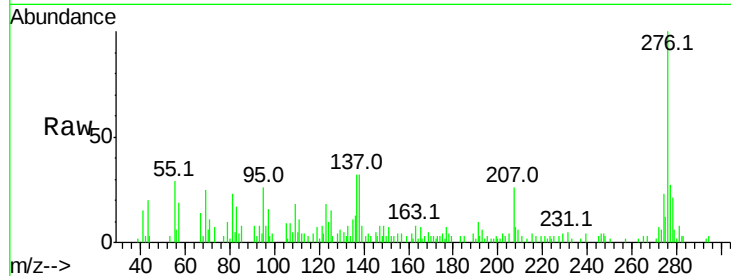
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.572 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.0	25.0	37.6
277	25.3	20.1	30.1

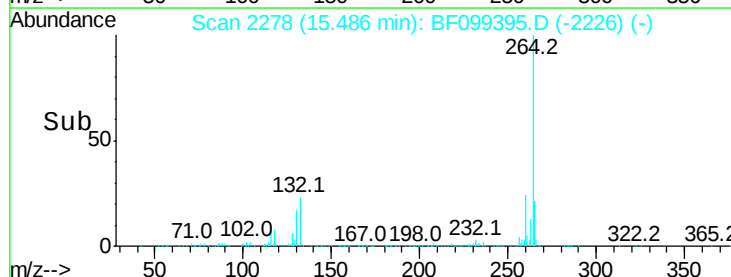
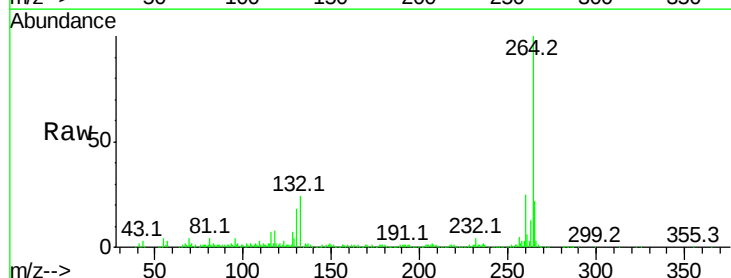
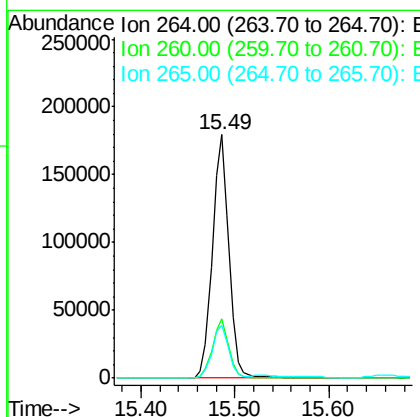
Manual Integrations
APPROVED

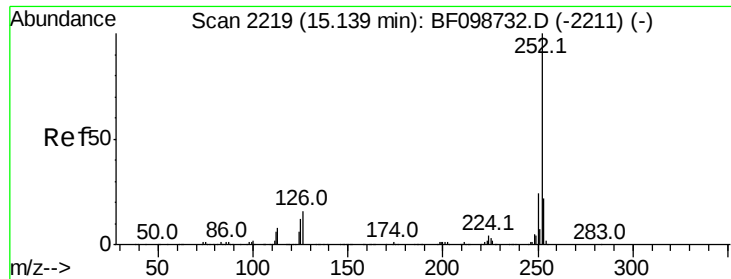
Sohil
10/13/2017 3:05:32 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.6	17.5	26.3





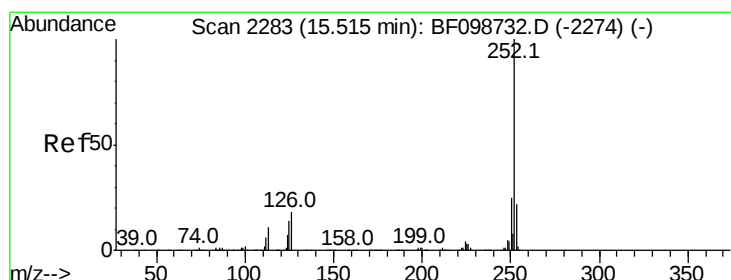
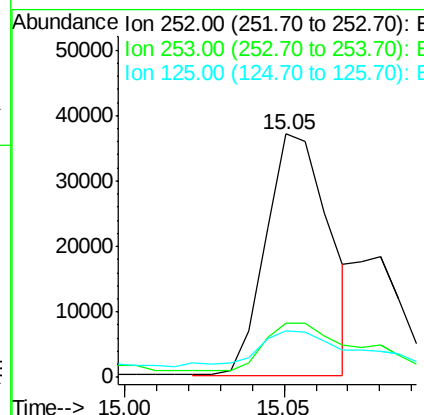
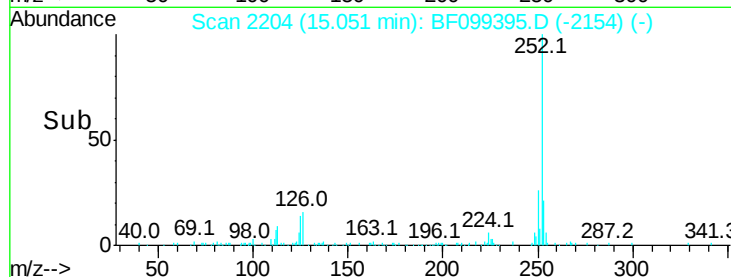
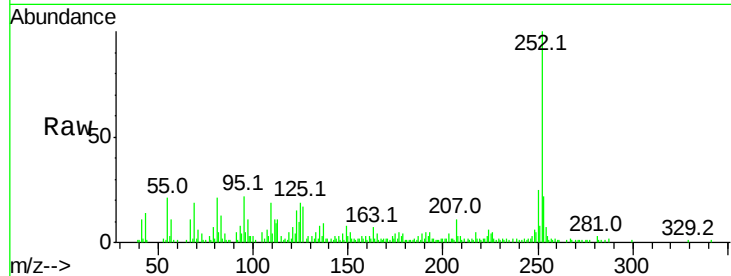
#87
Benzo(b)fluoranthene
Concen: 3.714 ng/mL
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampleID :
LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	19.0	9.0	13.6

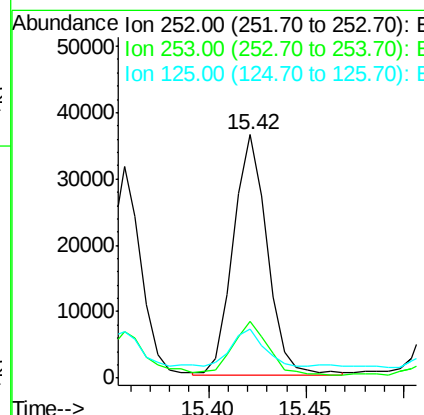
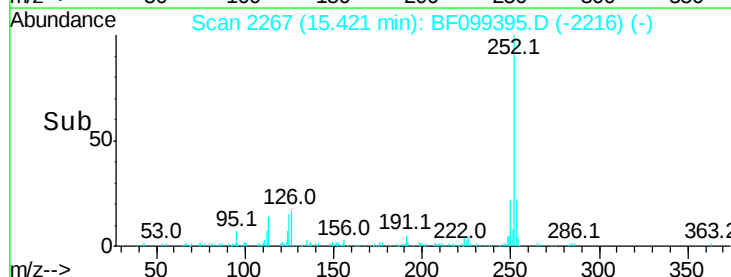
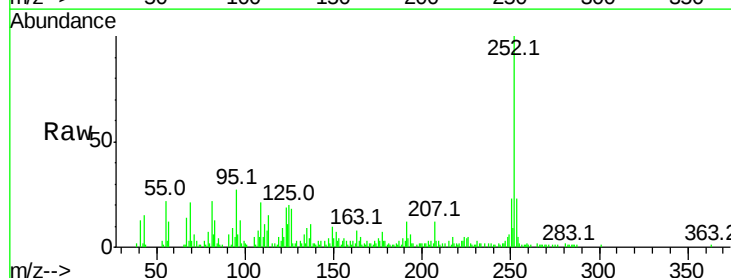
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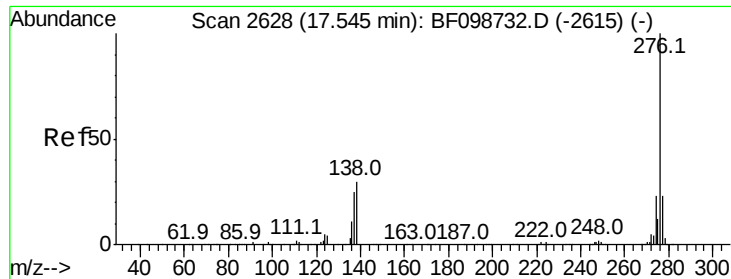
Sohil
10/13/2017 3:05:32 PM



#89
Benzo(a)pyrene
Concen: 3.452 ng/mL
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	20.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.326 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	37.0	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 10/13/2017 3:05:32 PM

