

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099407.D
 Acq On : 12 Oct 2017 21:00
 Operator : SJ/JU
 Sample : I5729-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4W-(2-3)

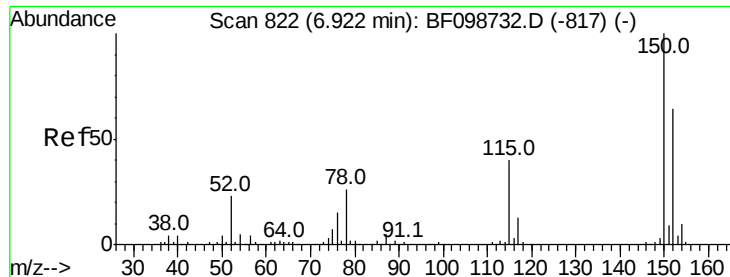
Manual Integrations
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 10/13/2017 3:05:50 PM

Quant Time: Oct 13 02:46:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	116605	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	460682	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	183377	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	259452	20.00	ng	0.00
75) Chrysene-d12	14.02	240	217233	20.00	ng	0.00
86) Perylene-d12	15.49	264	188469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	603990	82.46	ng	0.00
7) Phenol-d6	6.49	99	724145	80.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	422322	58.79	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	107345	71.54	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	793747	72.26	ng	0.00
78) Terphenyl-d14	12.96	244	489973	51.30	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	34909	3.454	ng	94
49) Dimethylphthalate	9.60	163	108059	7.808	ng	100
51) Acenaphthene	9.92	154	33502	2.920	ng	99
57) Fluorene	10.43	166	34888	2.841	ng	99
70) Phenanthrene	11.40	178	499442	35.963	ng	99
71) Anthracene	11.45	178	103005	7.249	ng	98
72) Carbazole	11.60	167	42294	3.039	ng	98
73) Di-n-butylphthalate	11.93	149	47467	2.834	ng	99
74) Fluoranthene	12.59	202	541570	38.511	ng	98
77) Pyrene	12.82	202	492071	29.706	ng	99
80) Benzo(a)anthracene	14.00	228	257133	19.548	ng	99
82) Chrysene	14.04	228	232257	18.546	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	77265	7.713	ng	99
87) Benzo(b)fluoranthene	15.06	252	241089m	20.805	ng	
88) Benzo(k)fluoranthene	15.08	252	81483m	7.119	ng	
89) Benzo(a)pyrene	15.43	252	159708	15.015	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	21813	2.562	ng	# 76
91) Benzo(g,h,i)perylene	17.42	276	73860	8.778	ng	91

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



#1

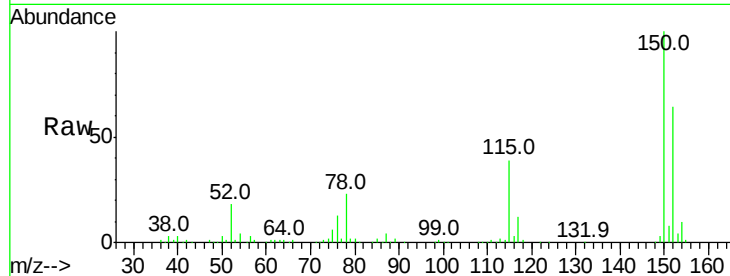
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampleId :
4W-(2-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	60.3	50.1	75.1

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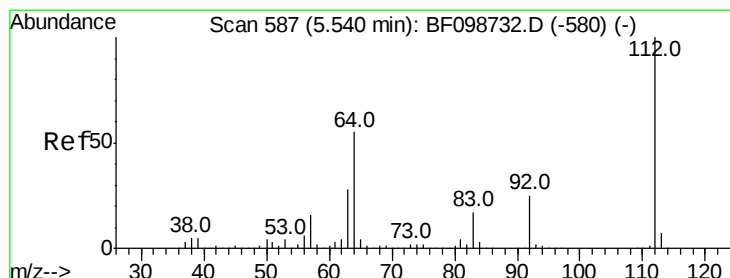
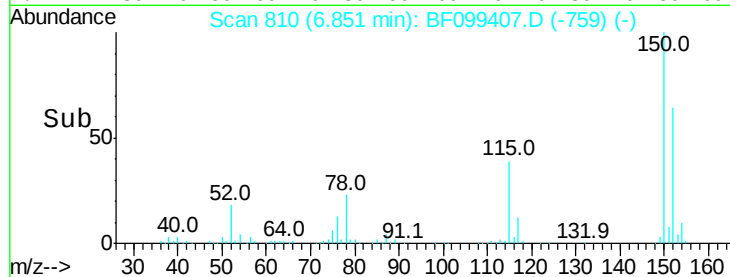
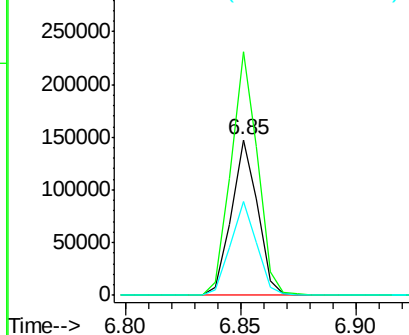


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

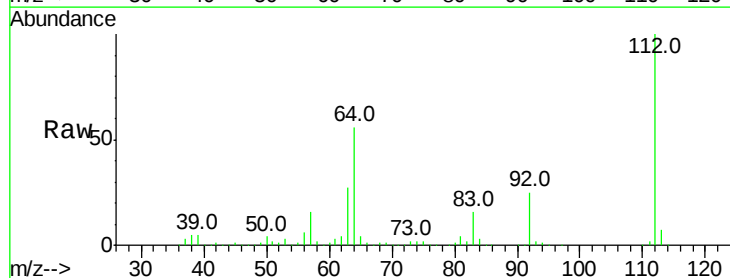
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 82.457 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	27.4	23.7	35.5

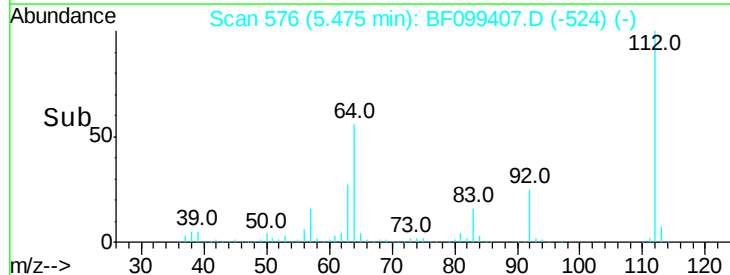
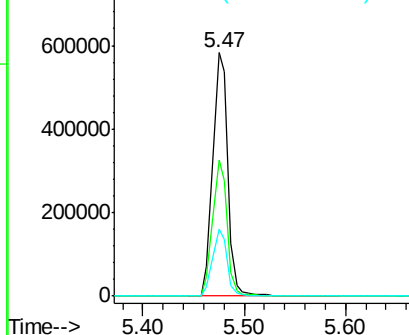


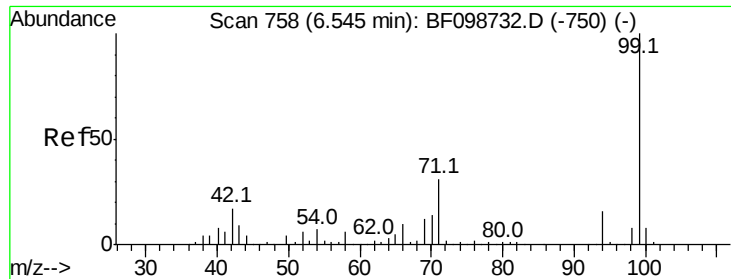
Abundance

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: 80.139 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF099407.D

Acq: 12 Oct 2017 21:00

Instrument :

BNA_F

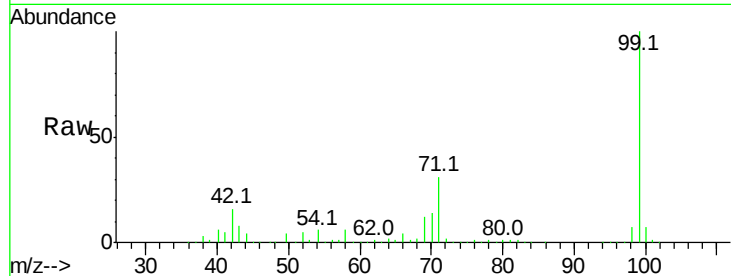
ClientSampled :

4W-(2-3)

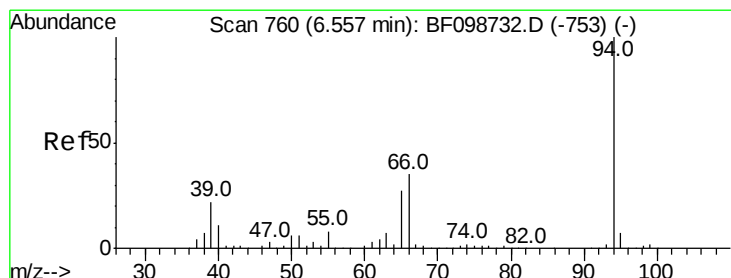
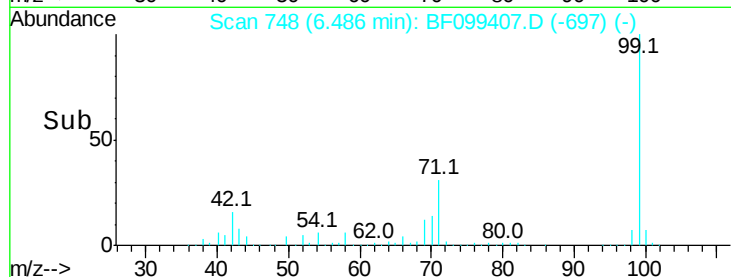
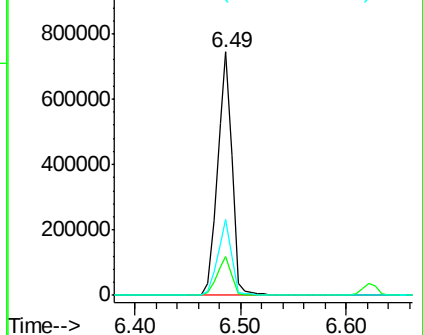
Tot Ion	99	Resp	724145
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	31.4	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.454 ng

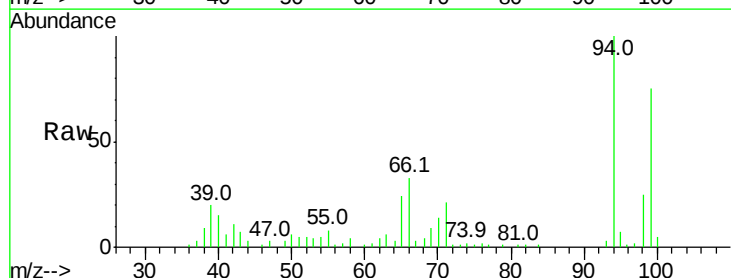
RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

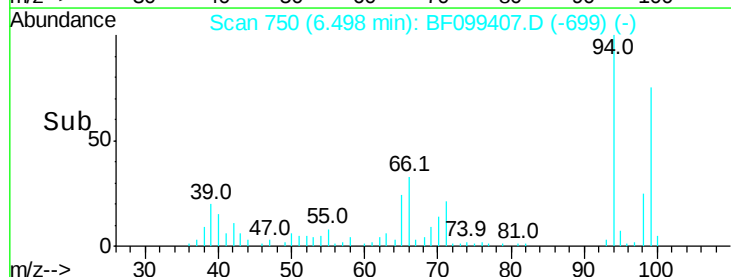
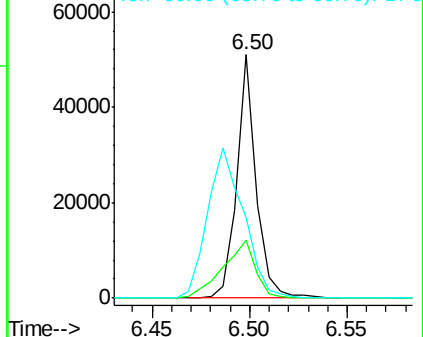
Lab File: BF099407.D

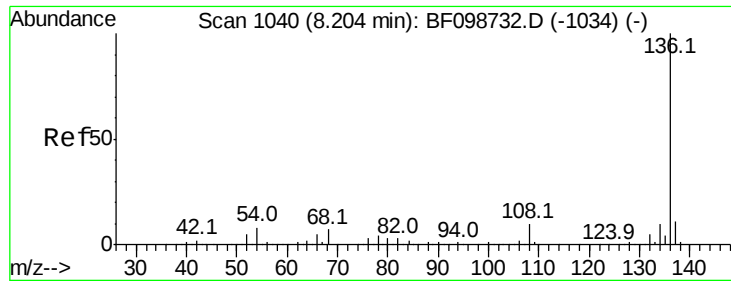
Acq: 12 Oct 2017 21:00

Tgt Ion	94	Resp	34909
Ion Ratio	Lower	Upper	
94	100		
65	24.1	7.9	47.9
66	33.4	16.2	56.2



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





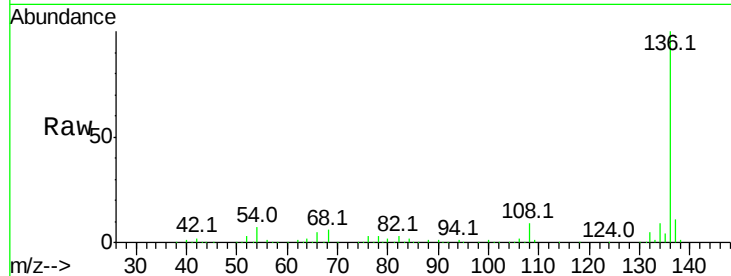
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampleId :
4W-(2-3)

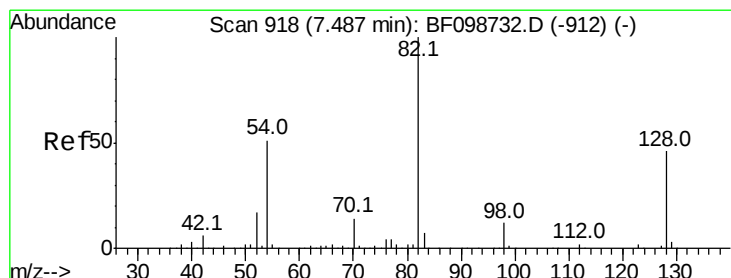
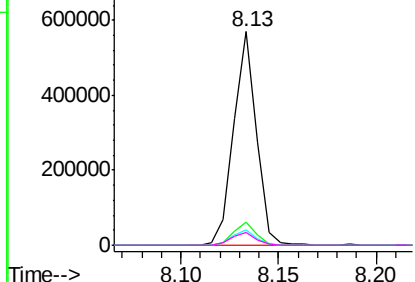
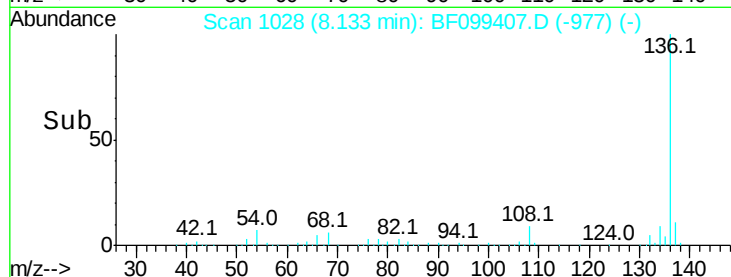
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	7.1	6.6	9.8	
68	6.0	5.0	7.4	

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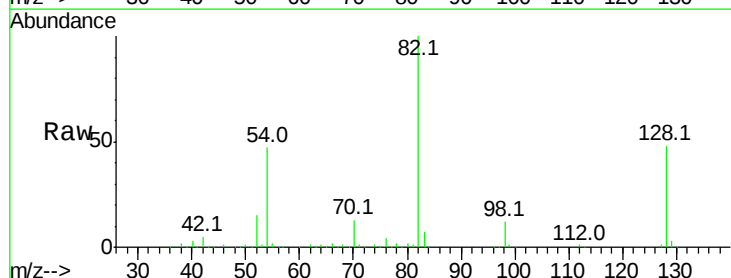


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

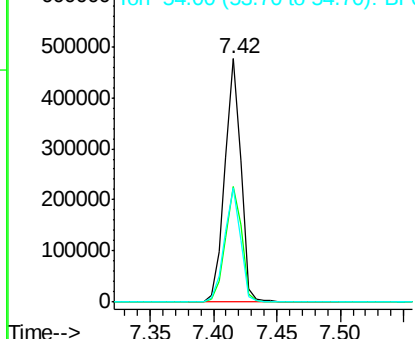
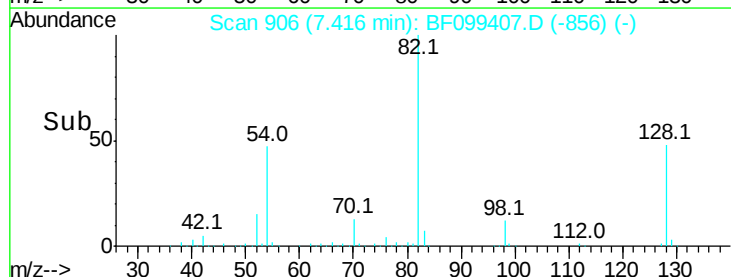


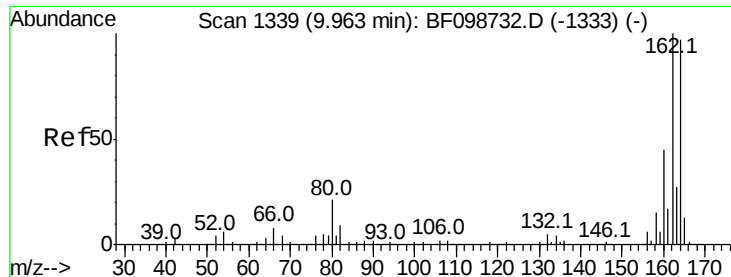
#23
Nitrobenzene-d5
Concen: 58.790 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	36.1	54.1	
54	47.1	41.4	62.2	



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





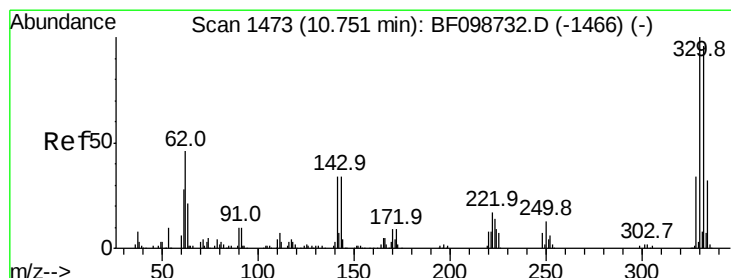
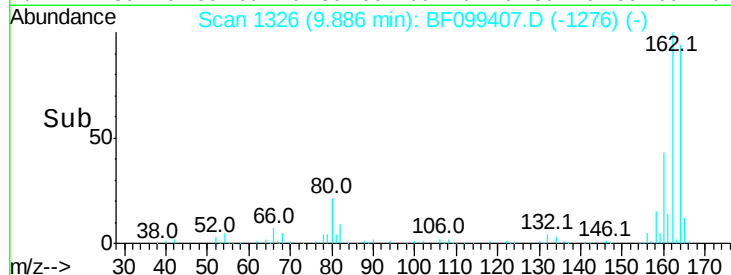
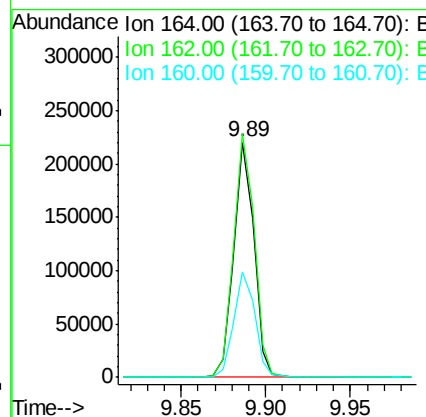
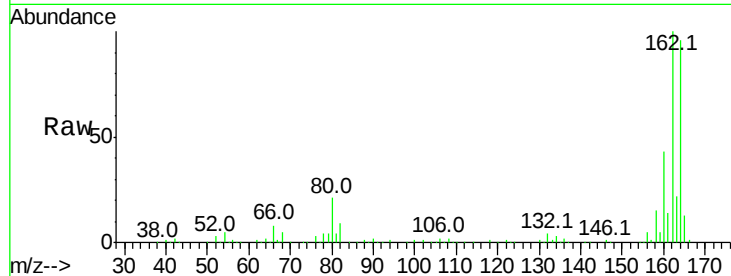
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampleId :
4W-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	183377		
162	103.6	86.1	129.1	
160	45.0	38.3	57.5	

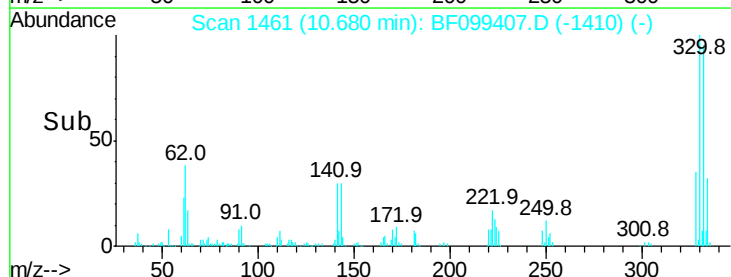
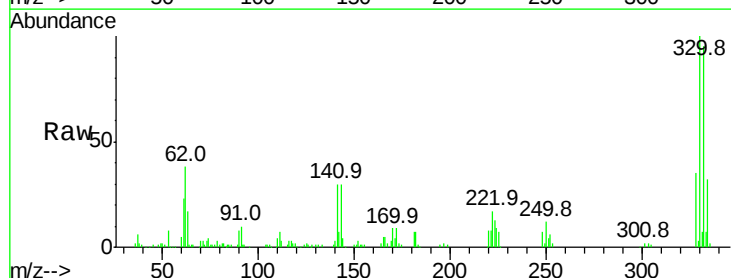
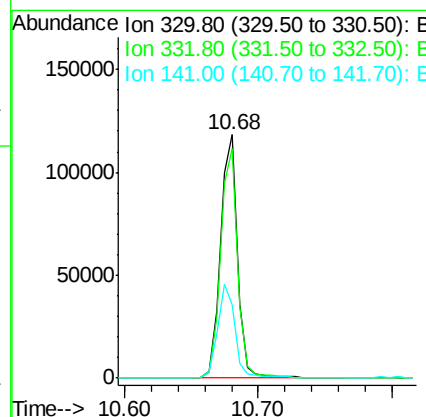
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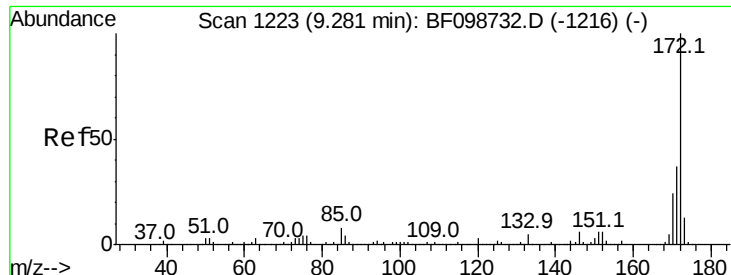
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#41
2,4,6-Tribromophenol
Concen: 71.538 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	107345		
332	94.6	77.0	115.6	
141	40.1	29.9	44.9	





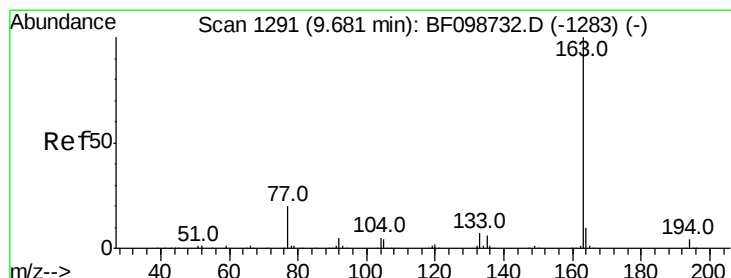
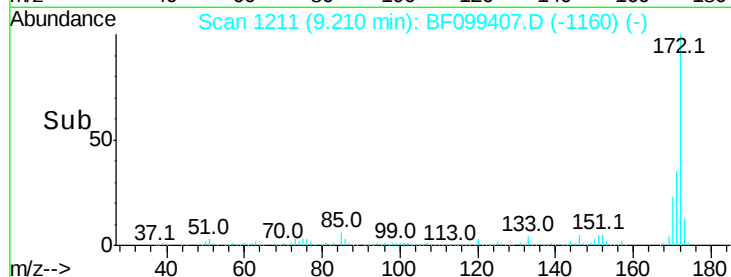
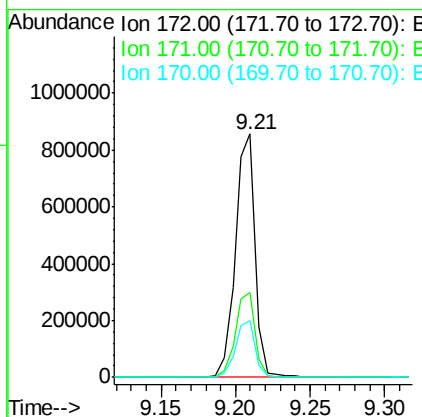
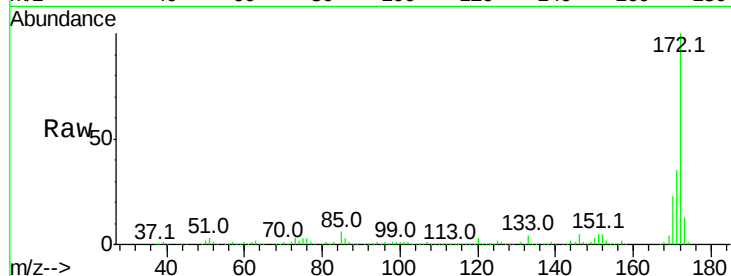
#44
2-Fluorobiphenyl
Concen: 72.261 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampled :
4W-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	793747		
171	35.1		29.7	44.5
170	23.2		19.6	29.4

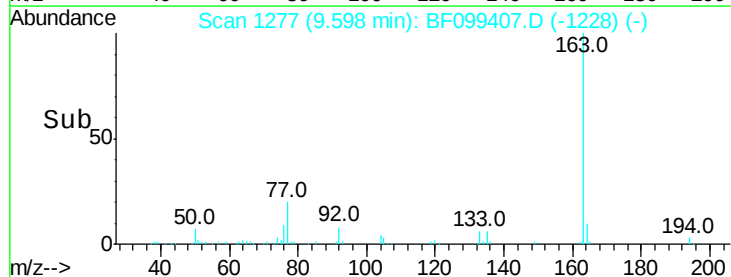
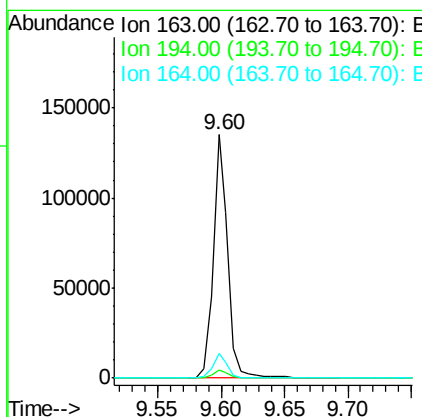
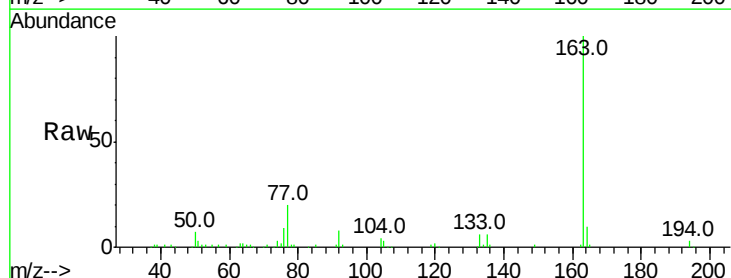
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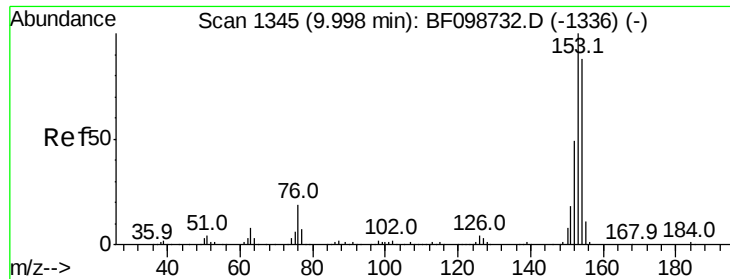
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#49
Dimethylphthalate
Concen: 7.808 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	108059		
194	3.5		2.7	4.1
164	10.1		8.2	12.2





#51

Acenaphthene

Concen: 2.920 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF099407.D

Acq: 12 Oct 2017 21:00

Instrument :

BNA_F

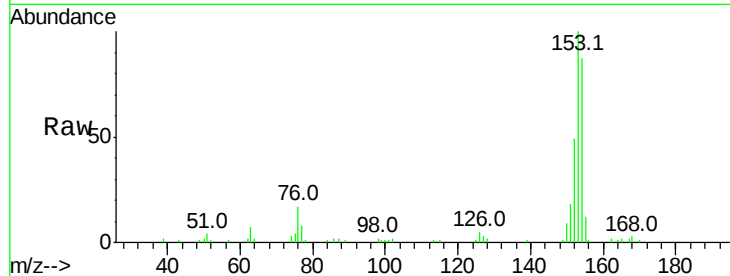
ClientSampled :

4W-(2-3)

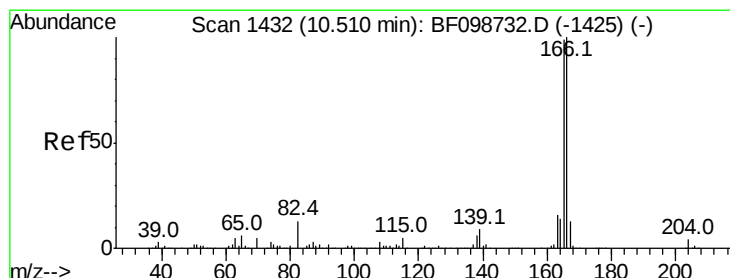
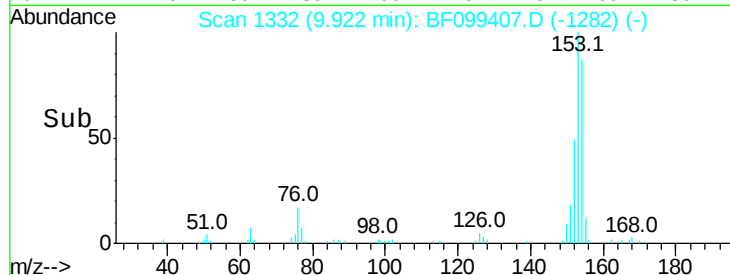
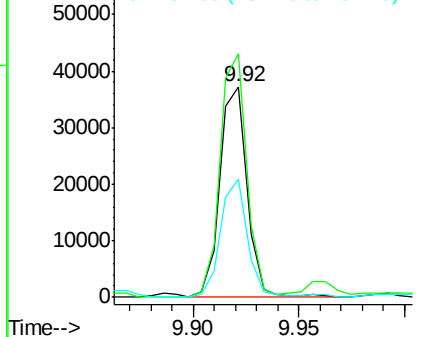
Tot Ion:	154	Resp:	33502
Ion Ratio	Lower	Upper	
154	100		
153	115.4	91.2	136.8
152	56.0	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.841 ng

RT: 10.43 min Scan# 1419

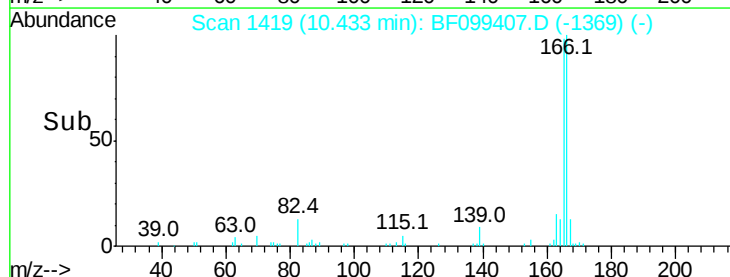
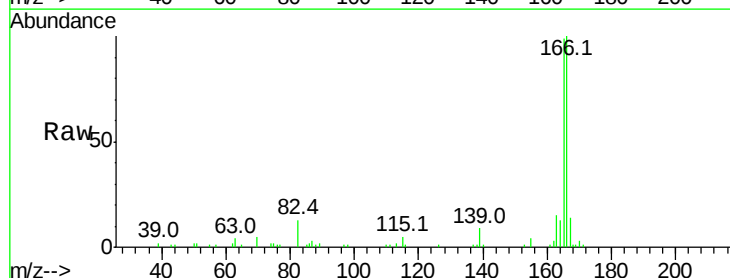
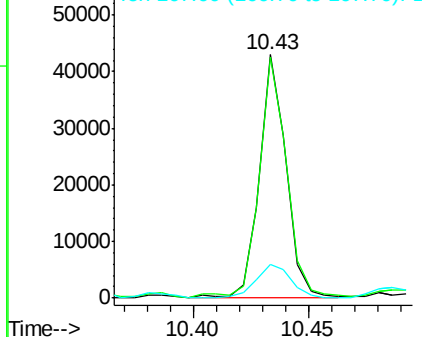
Delta R.T. -0.01 min

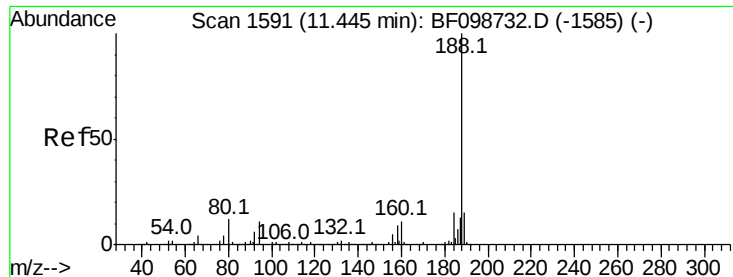
Lab File: BF099407.D

Acq: 12 Oct 2017 21:00

Tgt Ion:	166	Resp:	34888
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.8	119.8
167	14.0	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





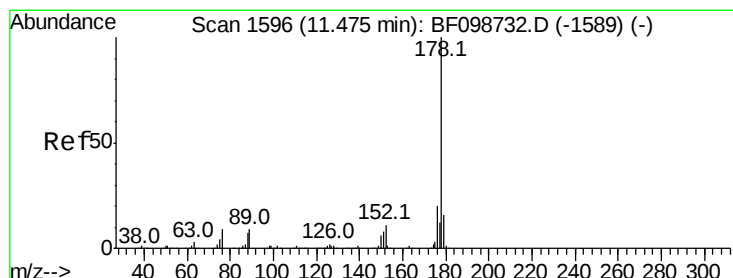
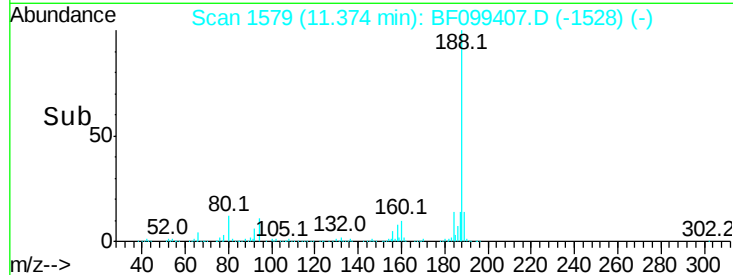
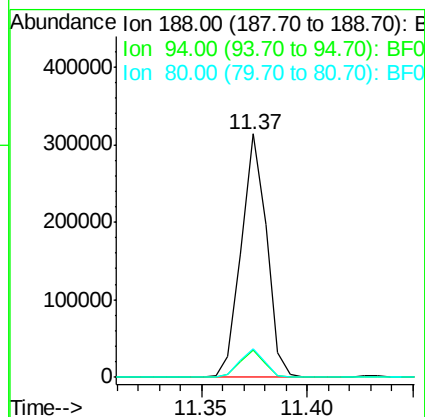
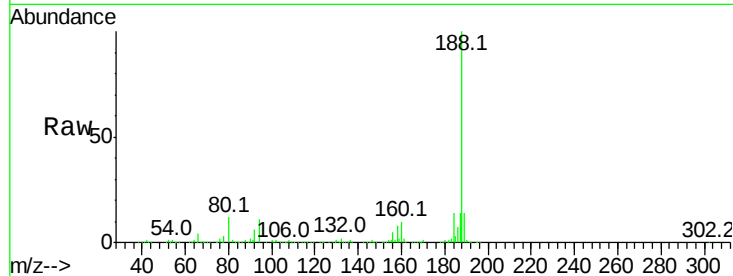
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampleId :
4W-(2-3)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.6	9.2	13.8

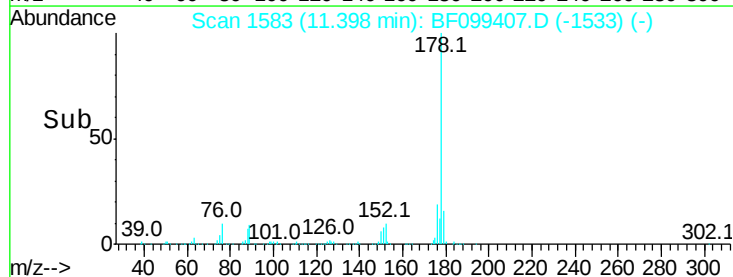
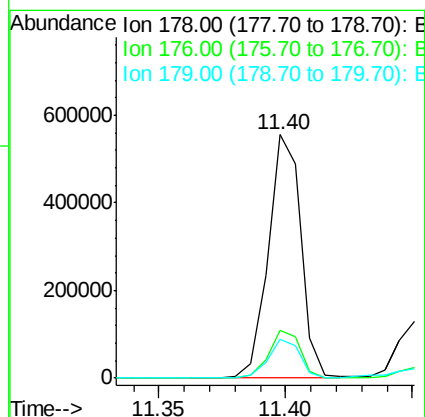
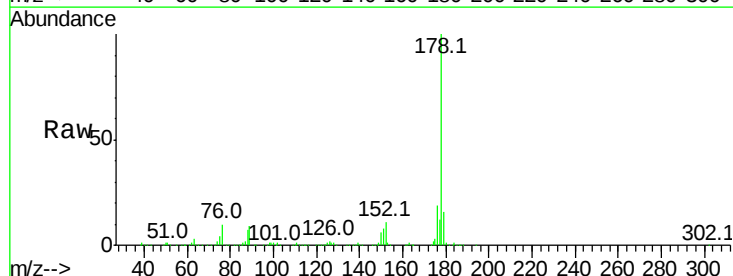
Manual Integrations
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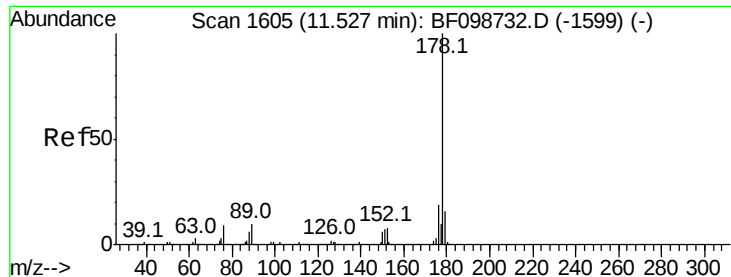
Sohil
10/13/2017 3:05:50 PM



#70
Phenanthrene
Concen: 35.963 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.8	13.0	19.6





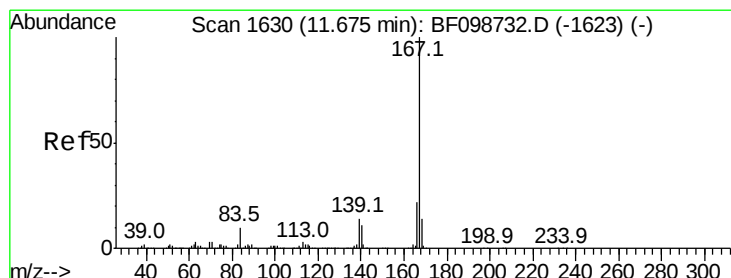
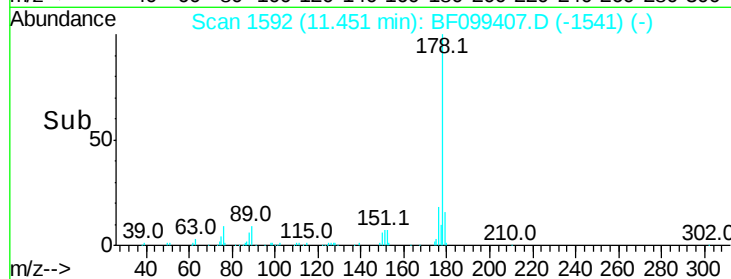
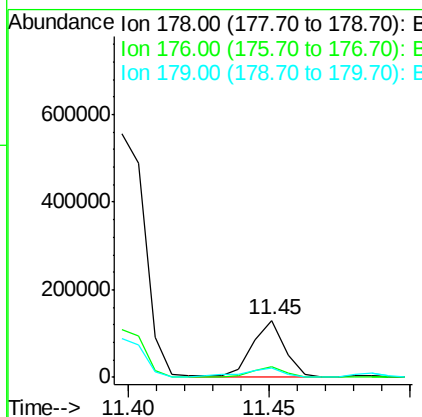
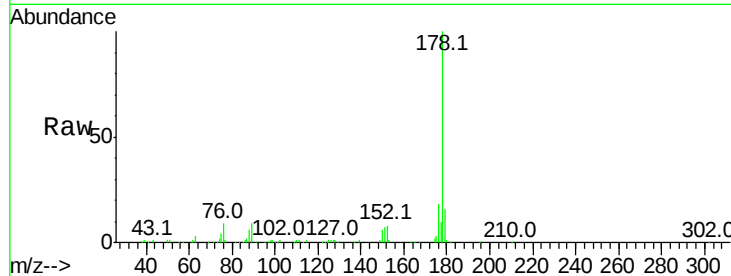
#71
 Anthracene
 Concen: 7.249 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF099407.D
 Acq: 12 Oct 2017 21:00

Instrument :
 BNA_F
 ClientSampled :
 4W-(2-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.8	12.6	19.0

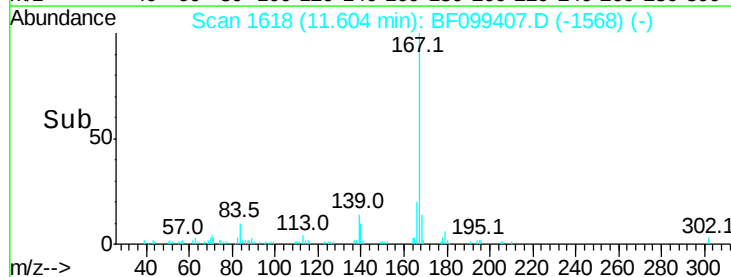
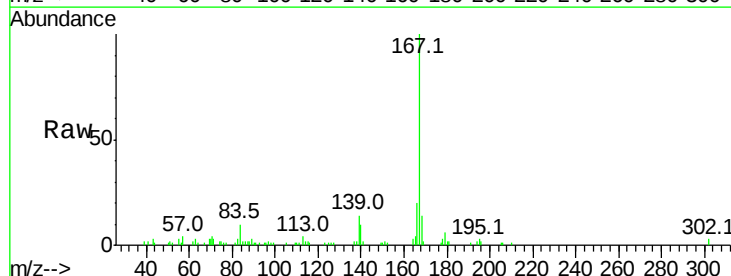
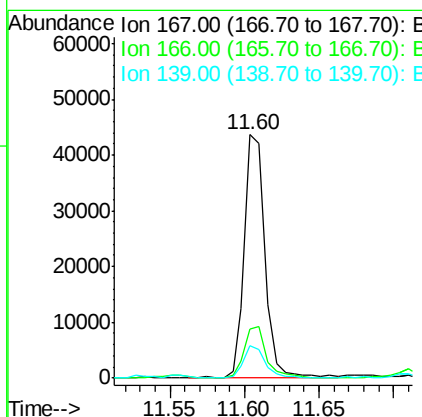
Manual Integrations
 APPROVED

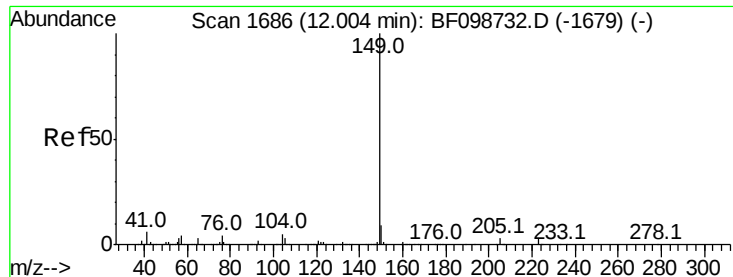
Sohil
 10/13/2017 3:05:50 PM



#72
 Carbazole
 Concen: 3.039 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF099407.D
 Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.6	26.4
139	13.6	10.9	16.3





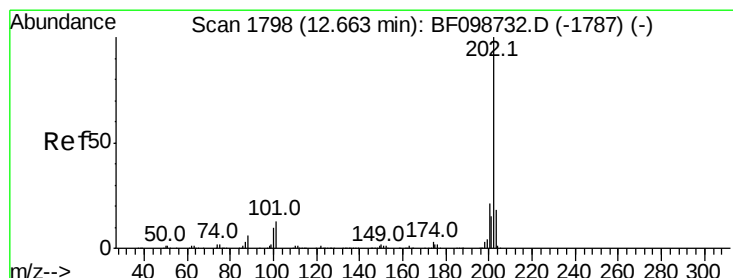
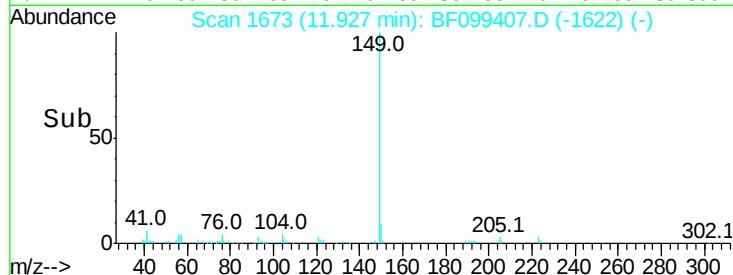
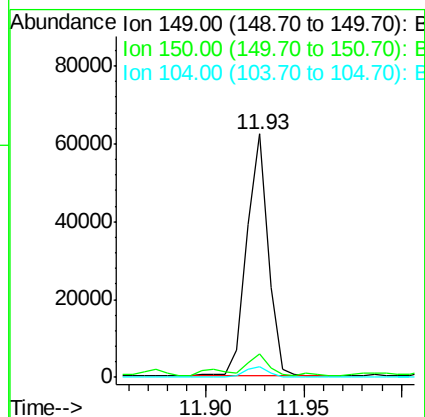
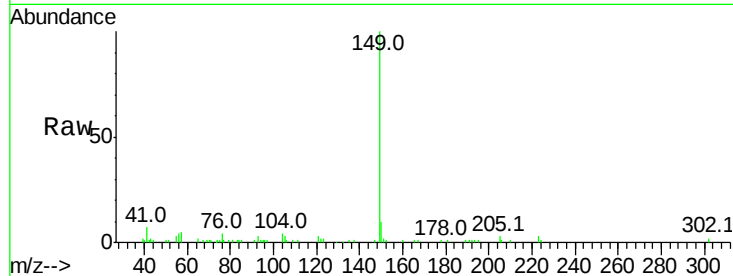
#73
Di-n-butylphthalate
Concen: 2.834 ng
RT: 11.93 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampleId :
4W-(2-3)

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.8	11.6
104	4.3	3.8	5.8

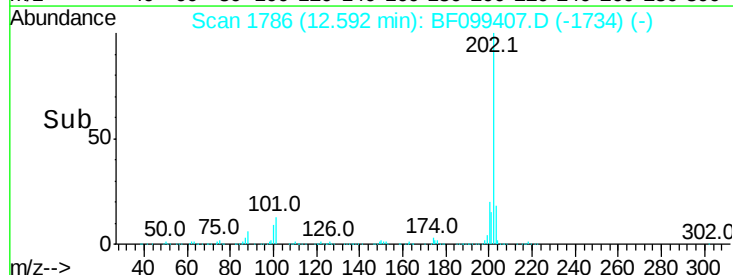
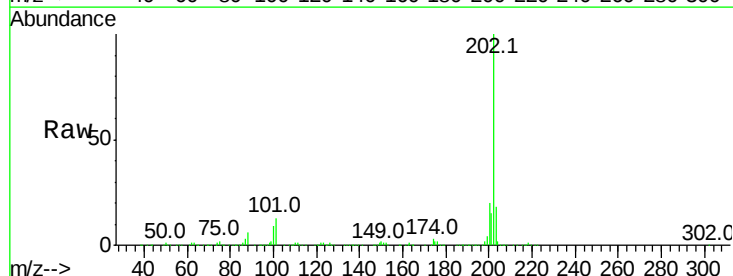
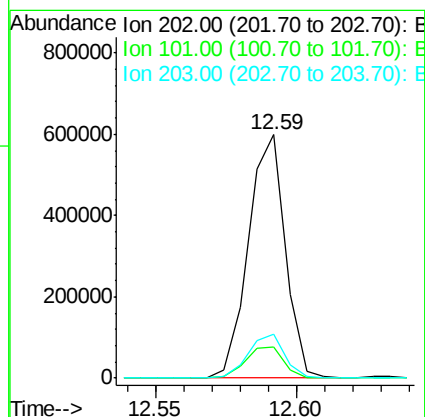
Manual Integrations
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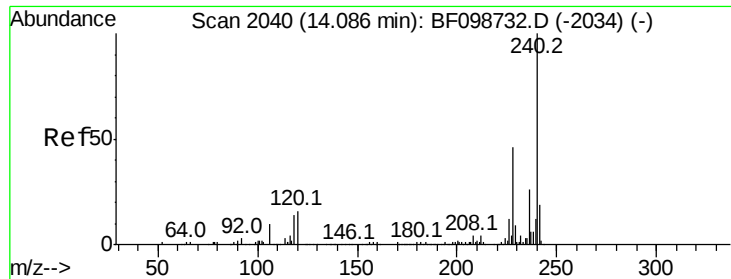
Sohil
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#74
Fluoranthene
Concen: 38.511 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.9	0.0	38.1





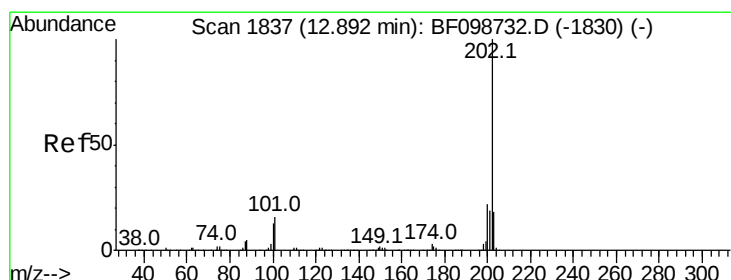
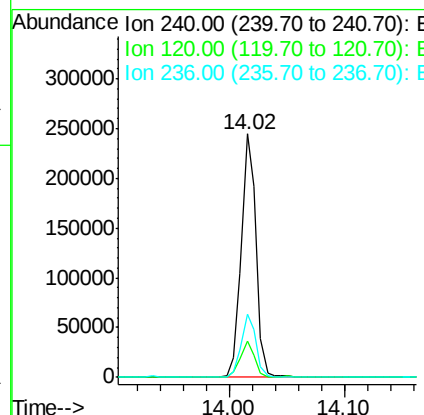
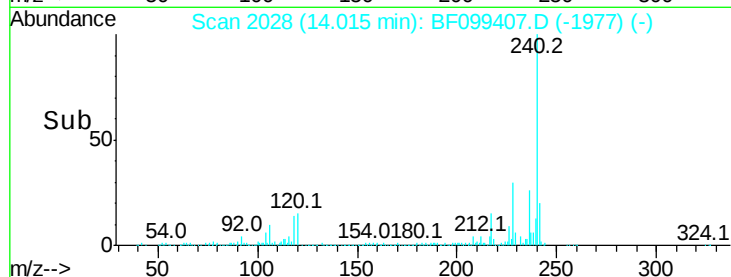
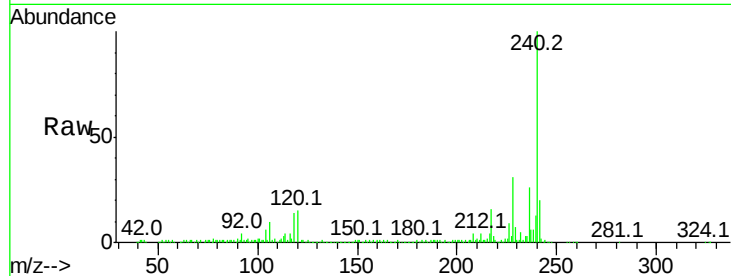
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampled :
4W-(2-3)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.5	14.3
236	25.9	20.7	31.1

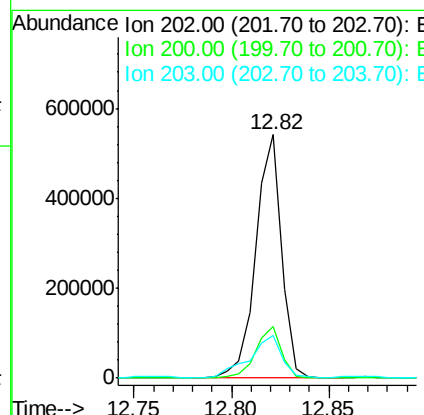
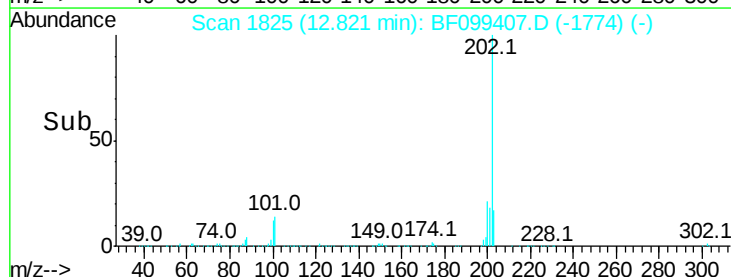
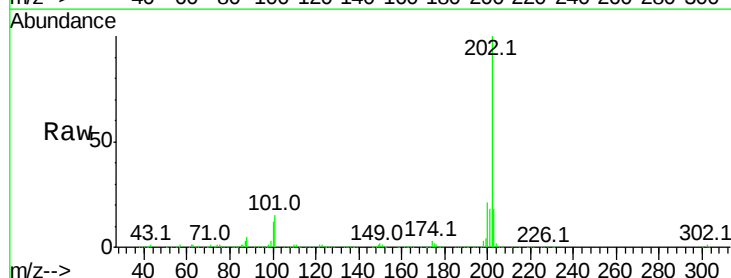
Manual Integrations
APPROVED

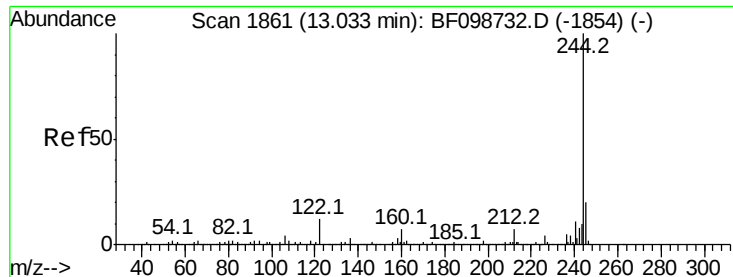
Sohil
10/13/2017 3:05:50 PM



#77
Pyrene
Concen: 29.706 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.7	14.3	21.5





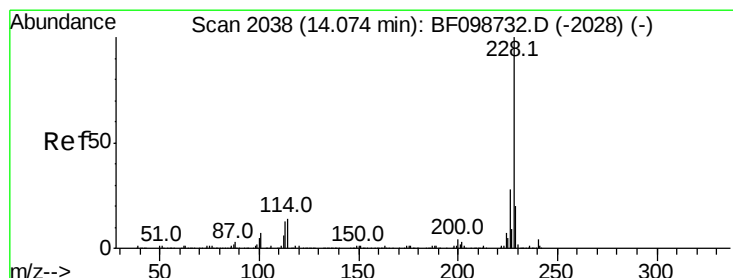
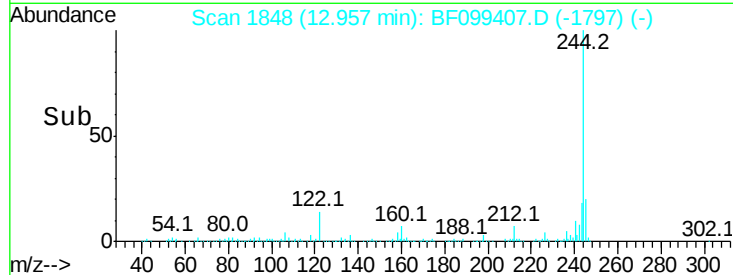
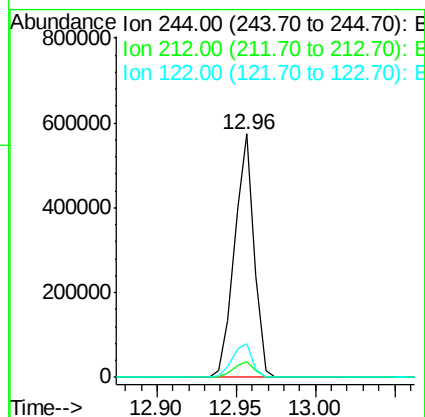
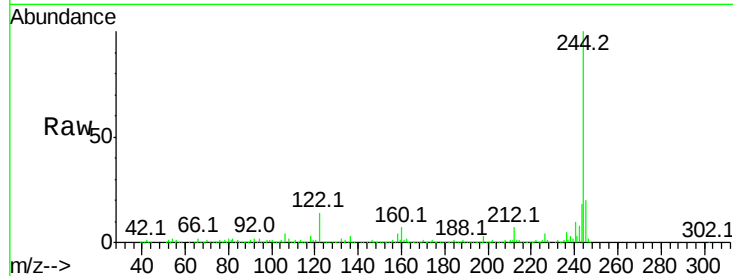
#78
 Terphenyl-d14
 Concen: 51.295 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF099407.D
 Acq: 12 Oct 2017 21:00

Instrument :
 BNA_F
 ClientSampleId :
 4W-(2-3)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.6	11.0	16.4

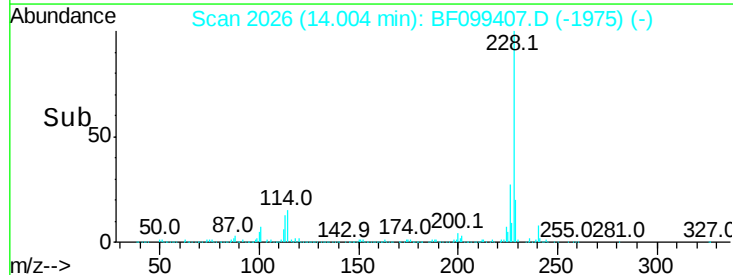
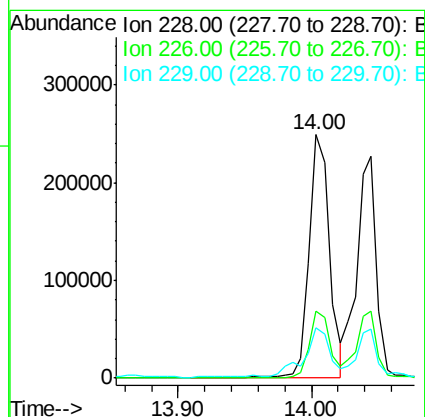
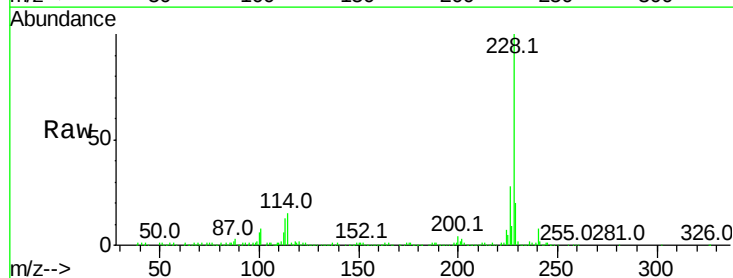
Manual Integrations
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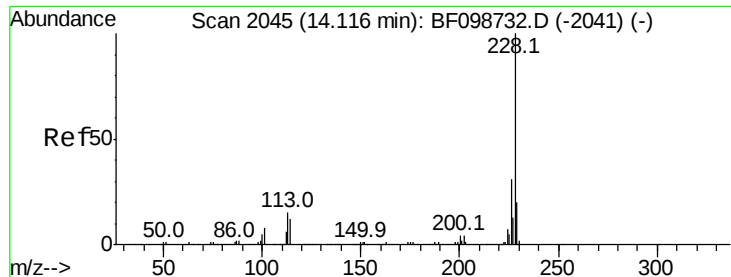
Sohil
 10/13/2017 3:05:50 PM



#80
 Benzo(a)anthracene
 Concen: 19.548 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: BF099407.D
 Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 18.546 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF099407.D

Acq: 12 Oct 2017 21:00

Instrument :

BNA_F

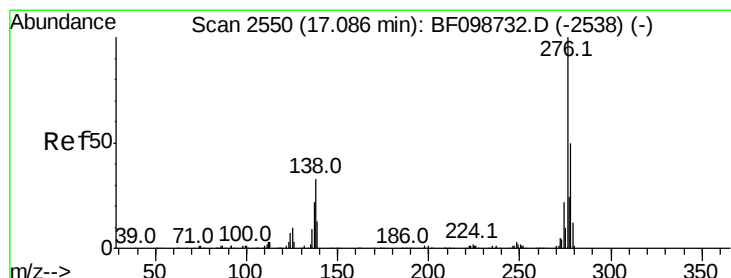
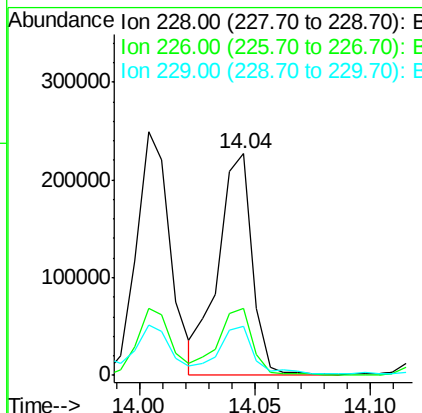
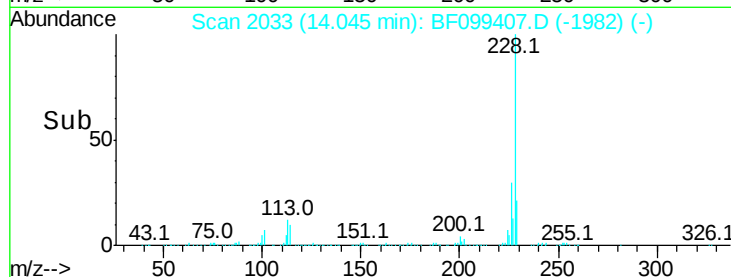
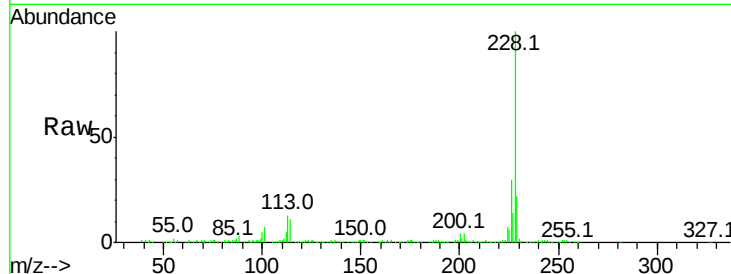
ClientSampleId :

4W-(2-3)

Tot Ion:	228	Resp:	232257
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	21.9	16.2	24.4

Manual Integrations
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Sohil
10/13/2017 3:05:50 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.713 ng

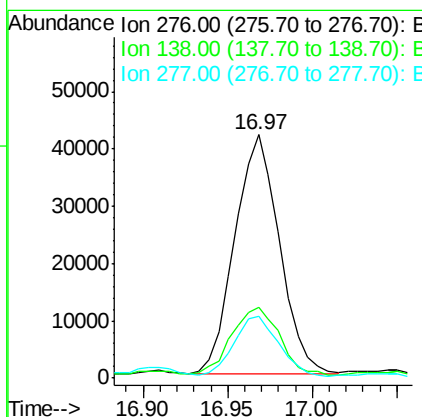
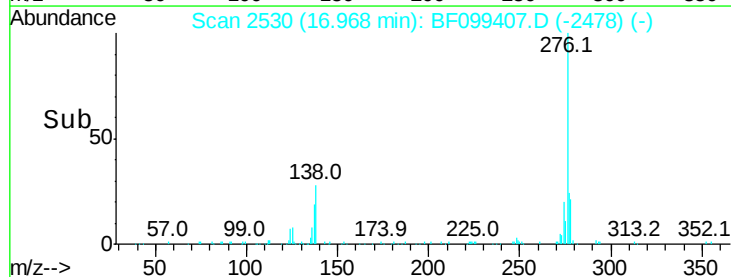
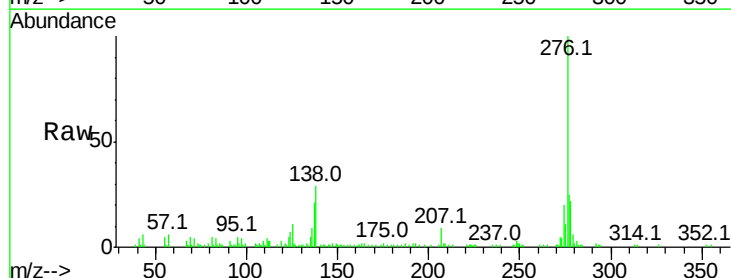
RT: 16.97 min Scan# 2530

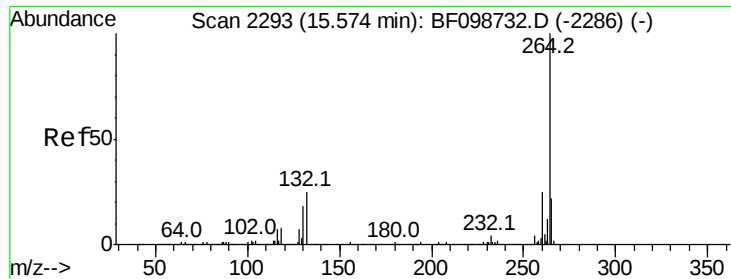
Delta R.T. 0.01 min

Lab File: BF099407.D

Acq: 12 Oct 2017 21:00

Tgt Ion:	276	Resp:	77265
Ion Ratio	Lower	Upper	
276	100		
138	30.6	25.0	37.6
277	25.0	20.1	30.1





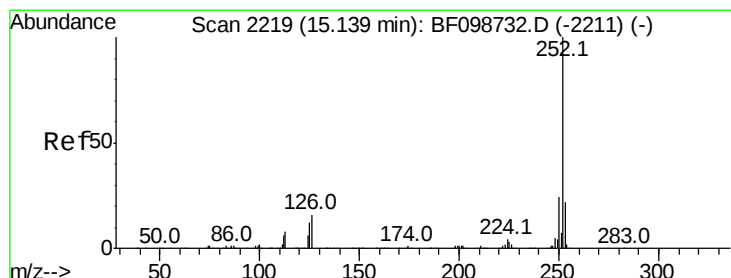
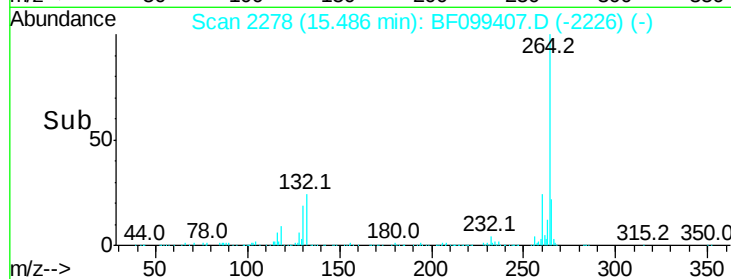
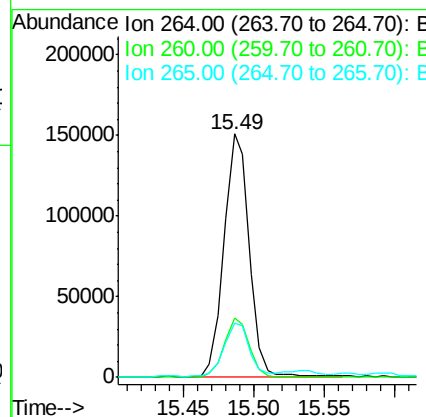
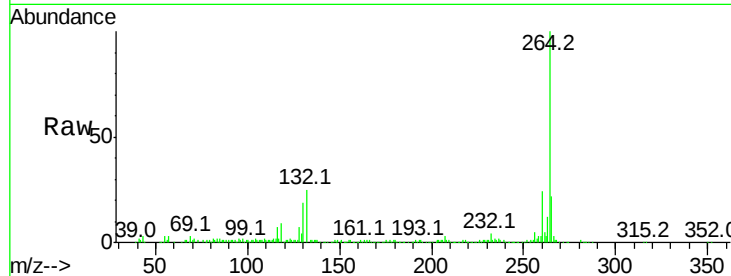
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampled :
4W-(2-3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.2	17.5	26.3

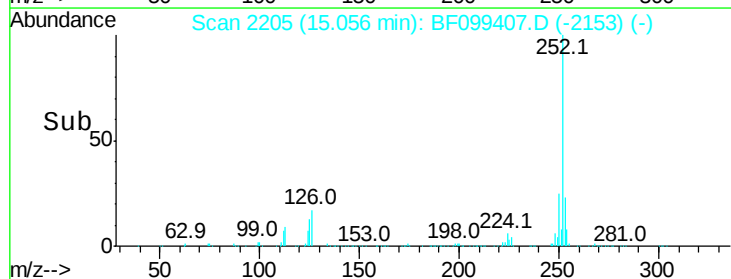
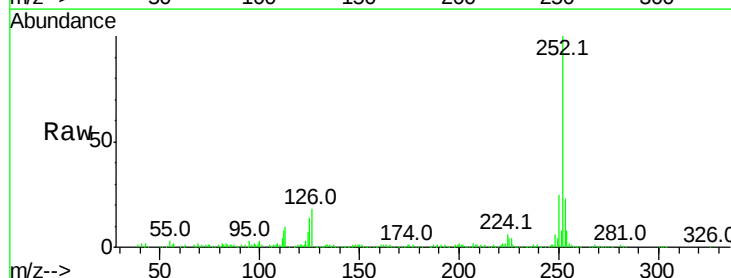
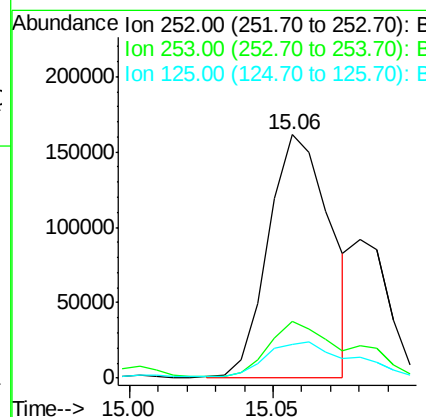
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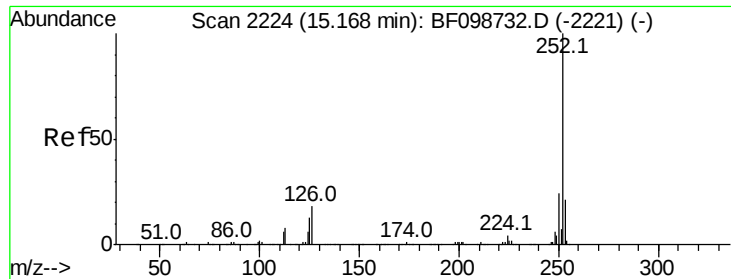
Sohil
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#87
Benzo(b)fluoranthene
Concen: 20.805 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.9	9.0	13.6#





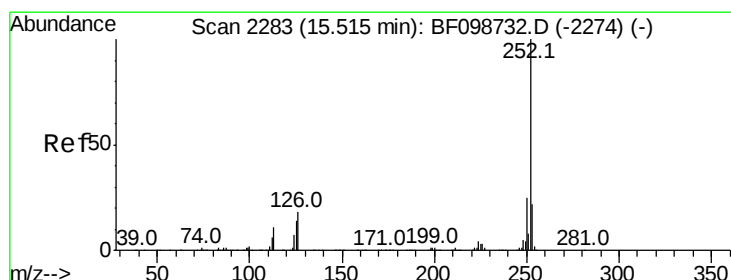
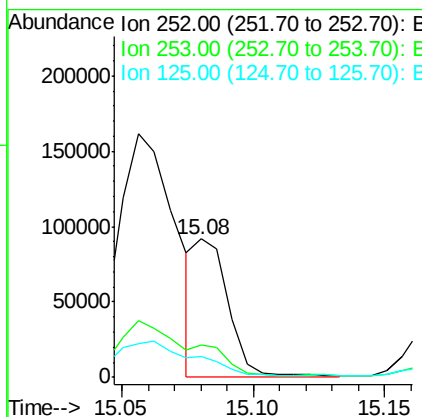
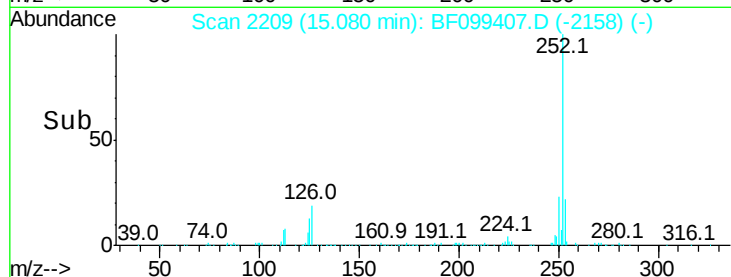
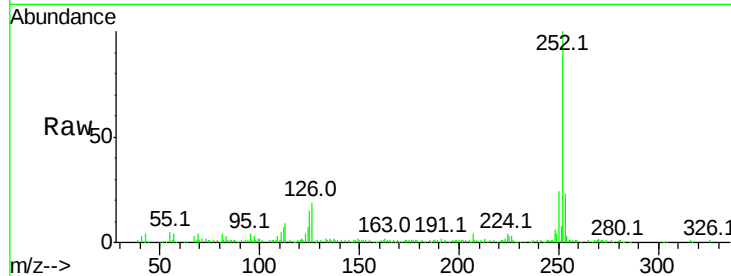
#88
Benzo(k)fluoranthene
Concen: 7.119 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampled :
4W-(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	14.7	10.2	15.2

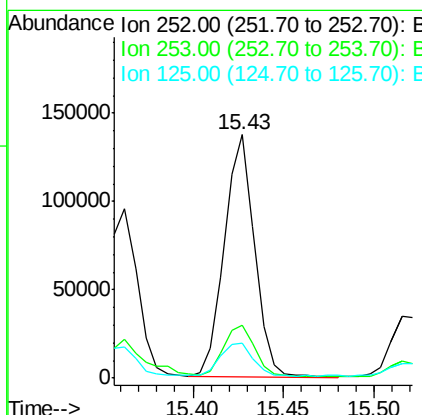
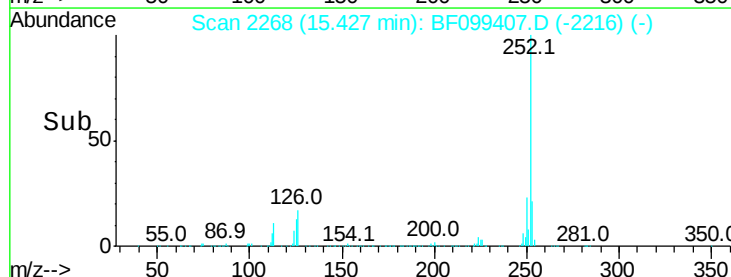
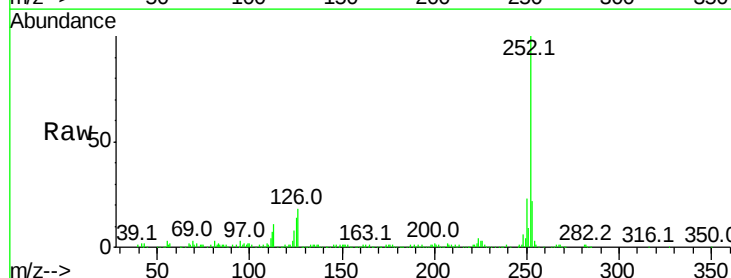
Manual Integrations
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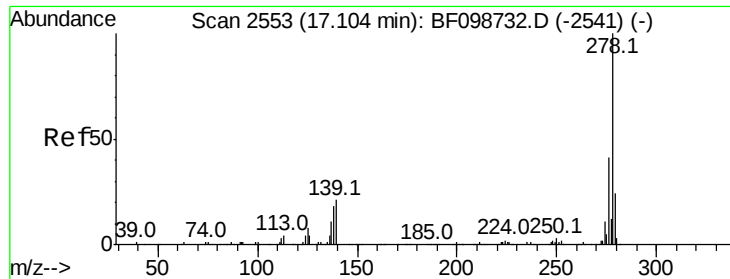
Sohil
10/13/2017 3:05:50 PM



#89
Benzo(a)pyrene
Concen: 15.015 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	14.2	9.8	14.6





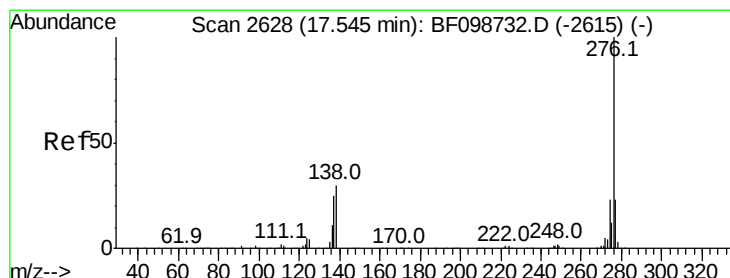
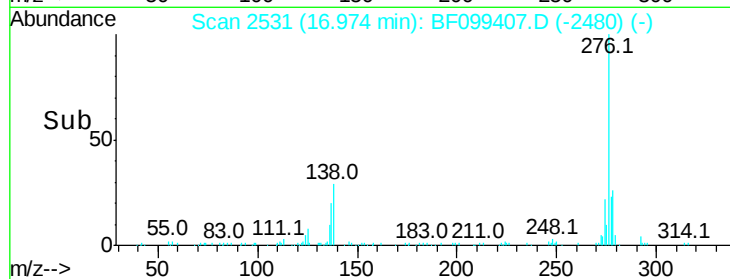
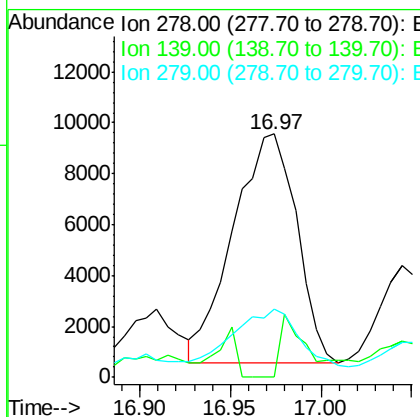
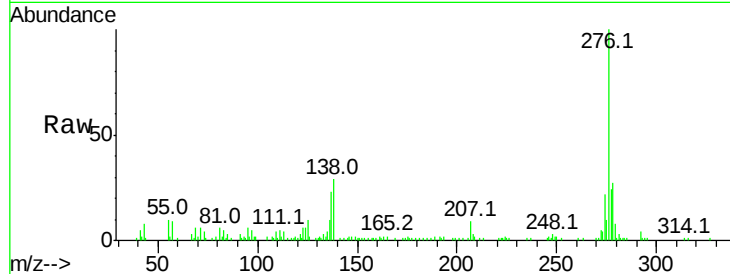
#90
Dibenzo(a,h)anthracene
Concen: 2.562 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Instrument :
BNA_F
ClientSampleId :
4W-(2-3)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.9	19.0	28.4

Manual Integrations
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Sohil
10/13/2017 3:05:50 PM



#91
Benzo(g,h,i)perylene
Concen: 8.778 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF099407.D
Acq: 12 Oct 2017 21:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	32.1	21.8	32.8

