

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100166.D
 Acq On : 4 Nov 2017 6:41
 Operator : SJ/JU
 Sample : I6265-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Sohil
 11/4/2017 2:19:51 PM

Quant Time: Nov 06 09:17:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	91470	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	362900	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	153723	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	234798	20.00	ng	0.00
75) Chrysene-d12	13.95	240	151721	20.00	ng	0.00
86) Perylene-d12	15.42	264	152537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	553139	94.94	ng	0.00
7) Phenol-d6	6.42	99	652367	94.43	ng	-0.01
23) Nitrobenzene-d5	7.34	82	356312	63.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	121340	86.62	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	601388	60.36	ng	0.00
78) Terphenyl-d14	12.87	244	361451	52.06	ng	0.00
Target Compounds						
10) Phenol	6.43	94	36003	4.747	ng	# 79
20) 3+4-Methylphenols	7.21	107	79529	13.150	ng	# 80
31) Naphthalene	8.07	128	193411	11.041	ng	97
49) Dimethylphthalate	9.52	163	60566	4.975	ng	99
70) Phenanthrene	11.32	178	159551	12.041	ng	98
71) Anthracene	11.38	178	36484	2.713	ng	99
74) Fluoranthene	12.52	202	162822	11.824	ng	97
77) Pyrene	12.74	202	149083	12.922	ng	98
80) Benzo(a)anthracene	13.94	228	60124	6.251	ng	95
82) Chrysene	13.98	228	56334	6.230	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	33073	3.984	ng	94
87) Benzo(b)fluoranthene	14.99	252	75567m	7.845	ng	
88) Benzo(k)fluoranthene	15.02	252	21463m	2.363	ng	
89) Benzo(a)pyrene	15.36	252	62281	7.198	ng	# 95
91) Benzo(a,h,i)perylene	17.35	276	29950	3.982	ng	97

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

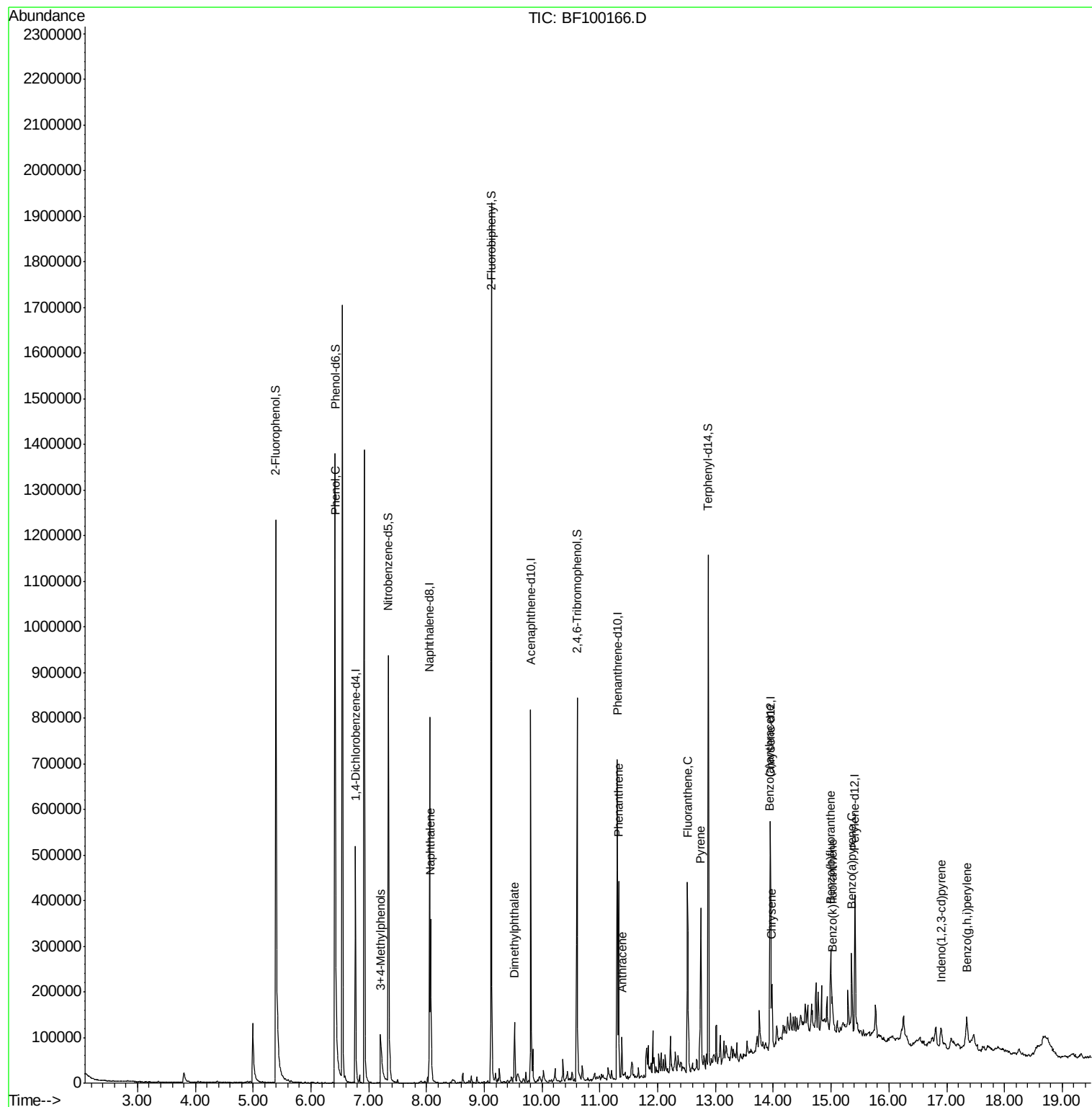
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110317\
Data File : BF100166.D
Acq On : 4 Nov 2017 6:41
Operator : SJ/JU
Sample : I6265-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

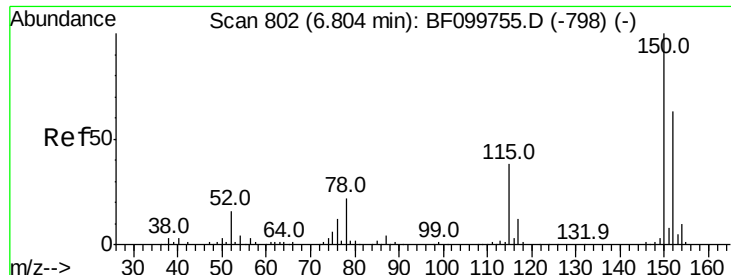
Instrument :
BNA_F
ClientSampleId :
COMP-2

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
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#1

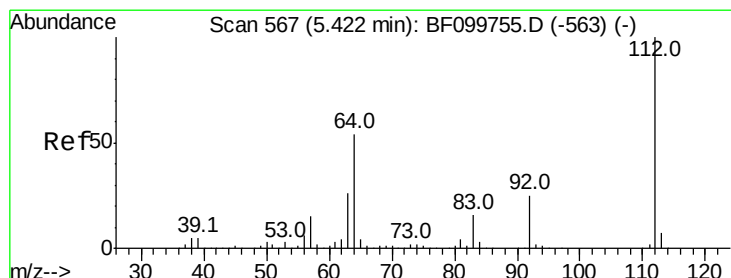
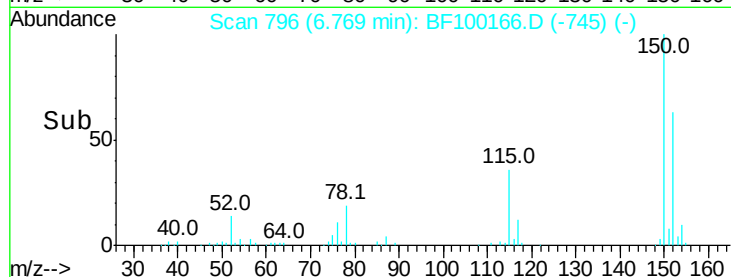
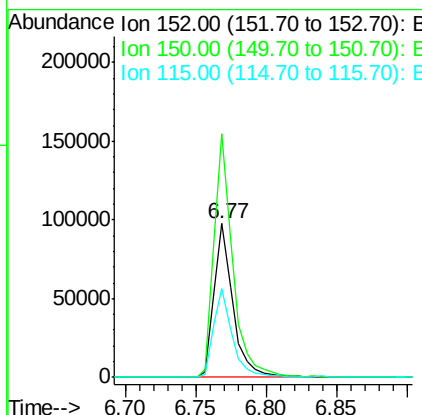
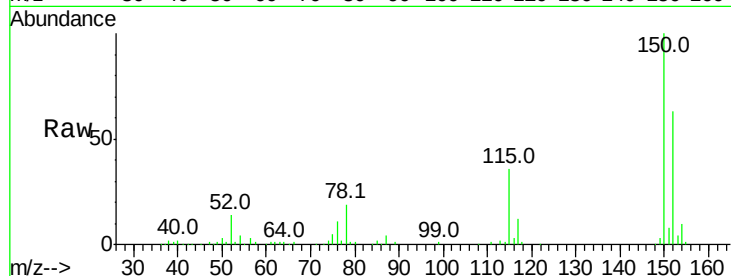
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	57.5	50.1	75.1

Manual Integrations
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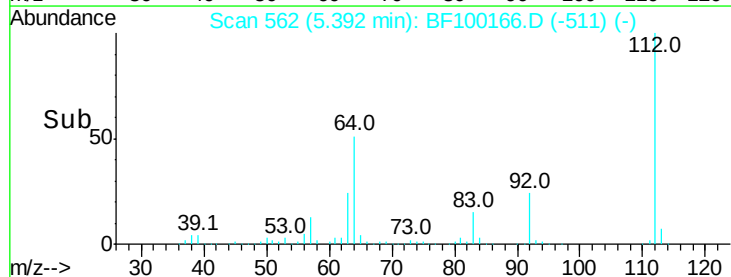
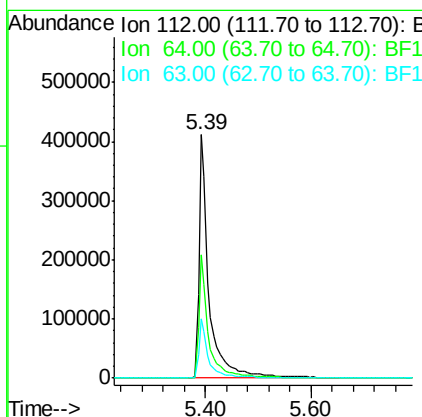
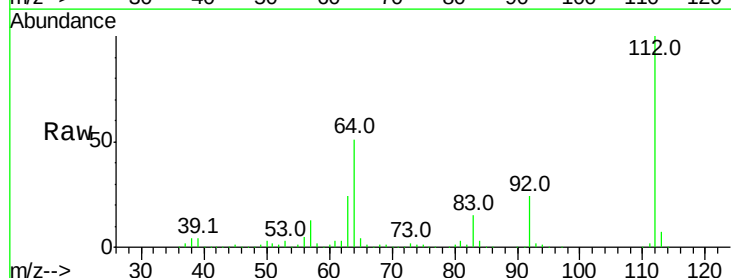
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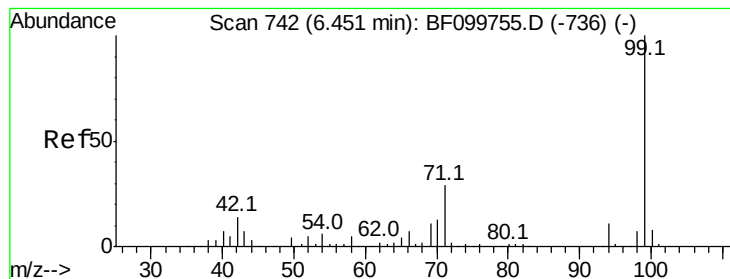


#5

2-Fluorophenol
Concen: 94.939 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	47.9	71.9
63	24.1	23.7	35.5





#7

Phenol-d6

Concen: 94.433 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampled :

COMP-2

Tot Ion: 99 Resp: 652367

Ion Ratio Lower Upper

99 100

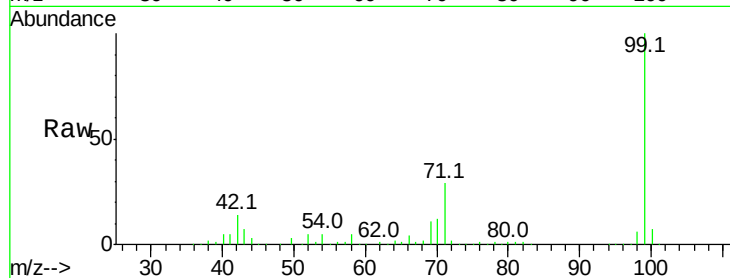
42 13.8 14.5 21.7#

71 29.0 25.4 38.0

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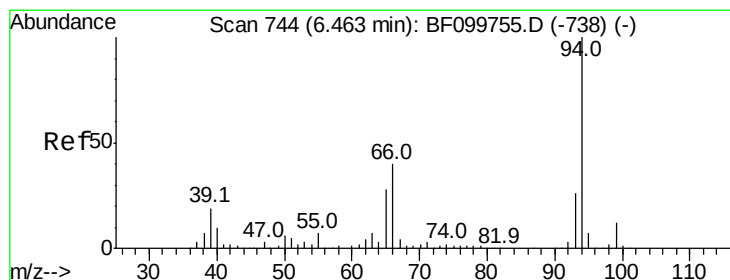
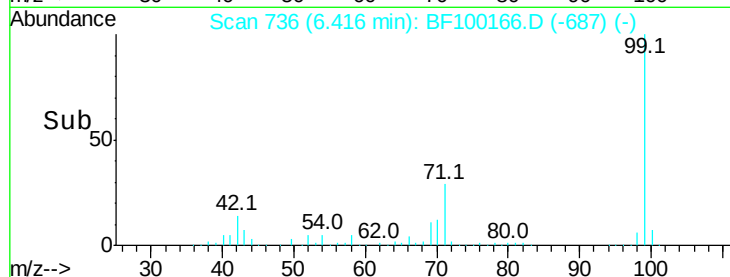
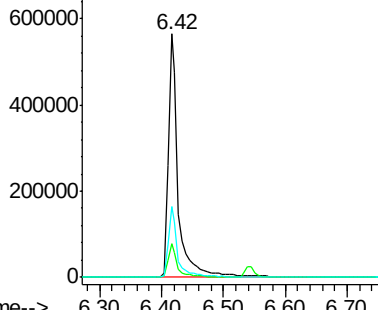
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.747 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

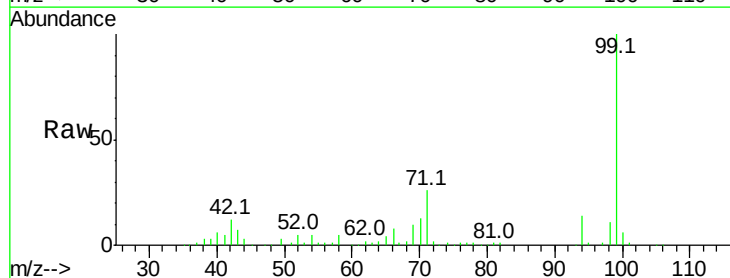
Tgt Ion: 94 Resp: 36003

Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

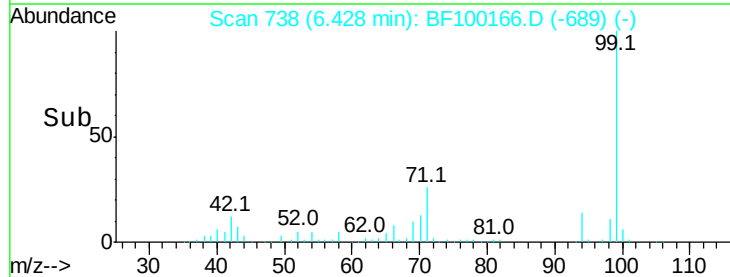
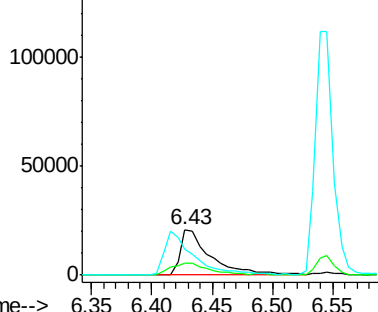
66 57.3 16.2 56.2#

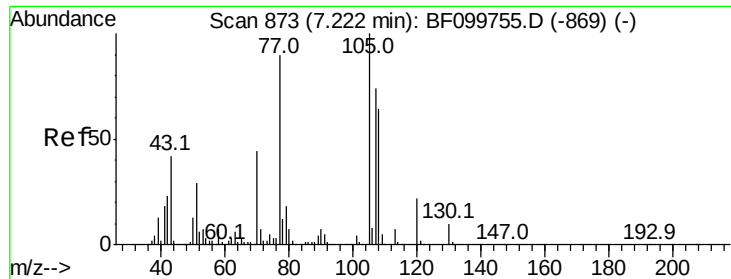


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#20

3+4-Methylphenols

Concen: 13.150 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.01 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

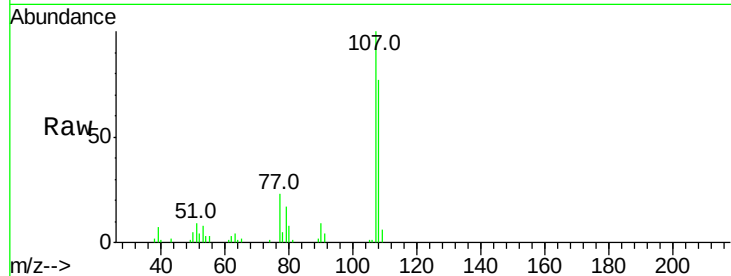
ClientSampled :

COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	77.5	68.2	108.2	
77	22.8	26.7	66.7#	
79	16.9	6.3	46.3	

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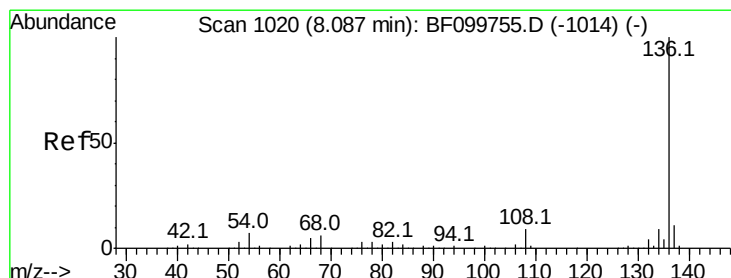
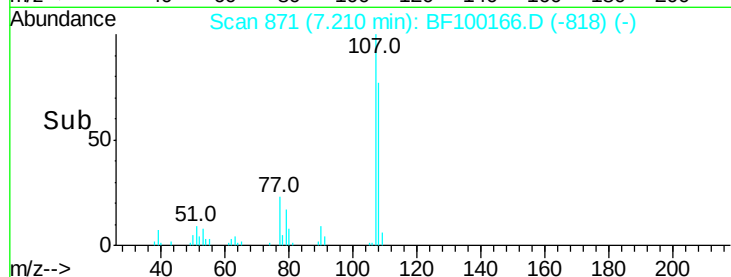
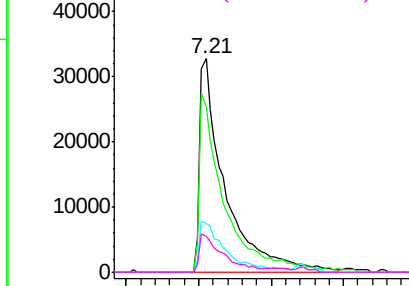


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

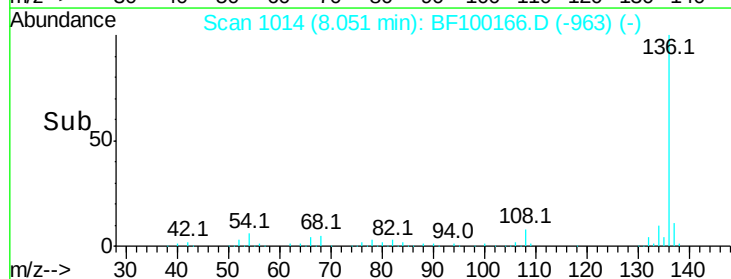
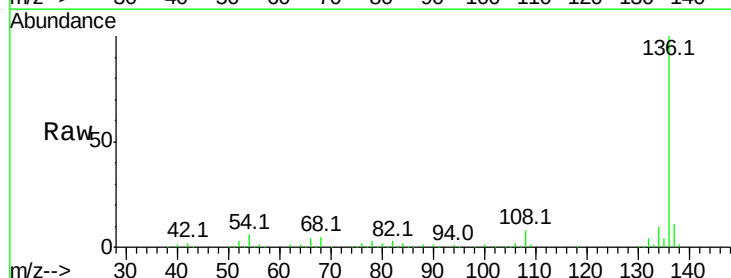
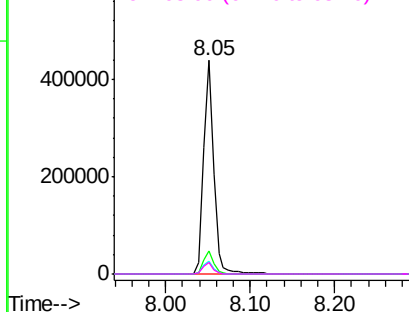
Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	6.1	6.6	9.8#	
68	5.4	5.0	7.4	

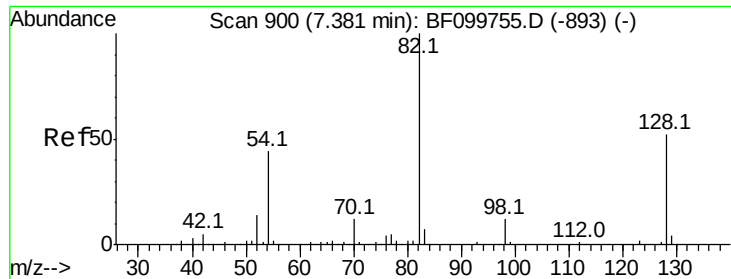
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





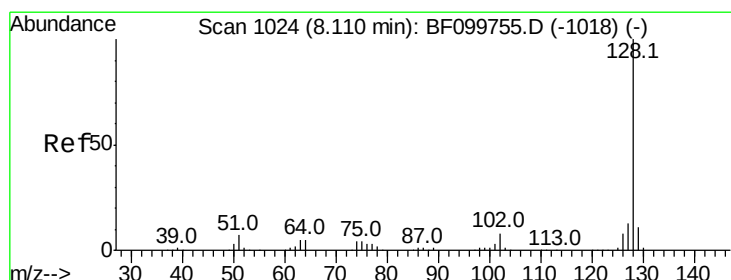
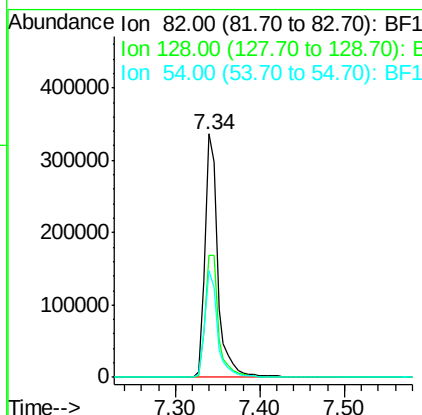
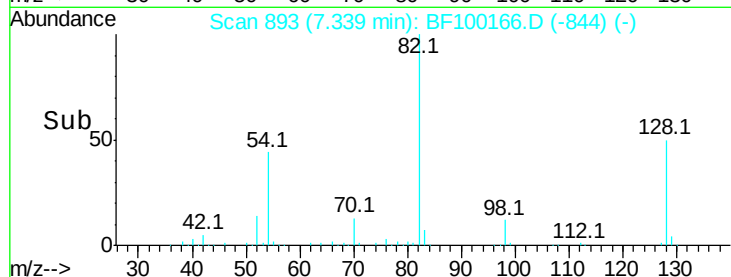
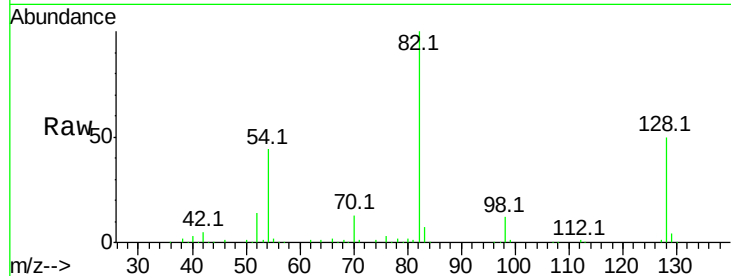
#23
Nitrobenzene-d5
Concen: 63.212 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.3	36.1	54.1
54	43.7	41.4	62.2

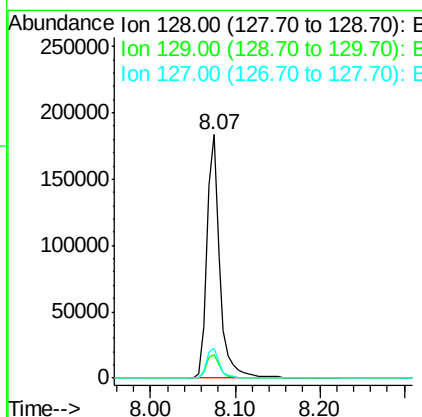
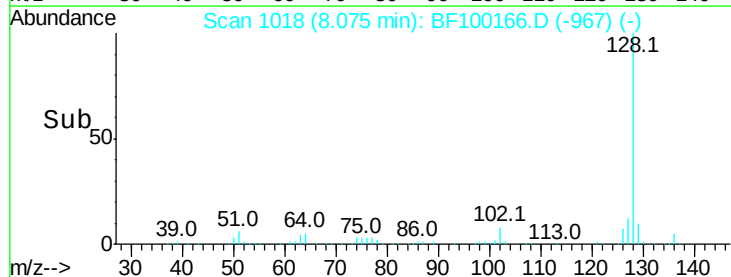
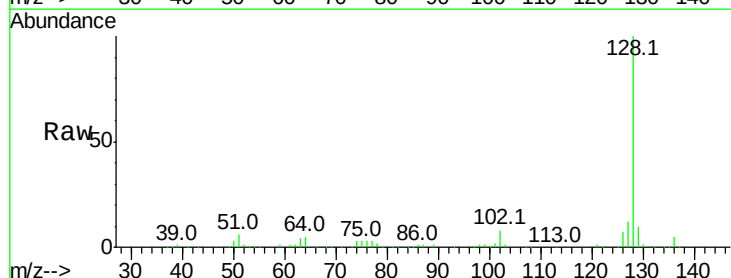
Manual Integrations
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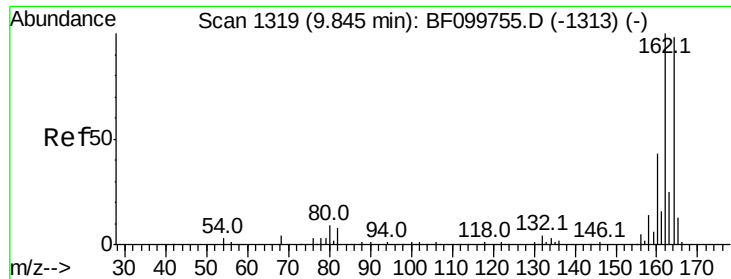
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#31
Naphthalene
Concen: 11.041 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.8	13.2
127	12.4	10.9	16.3





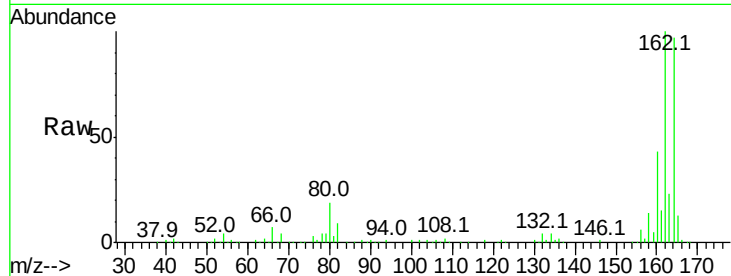
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

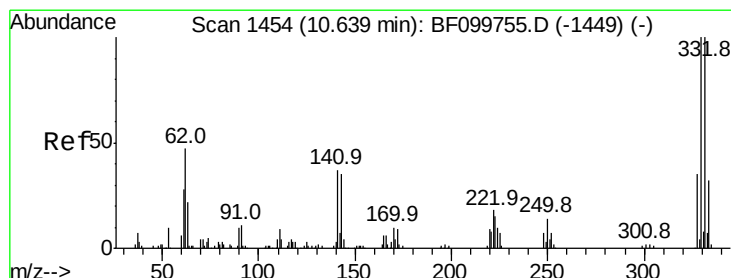
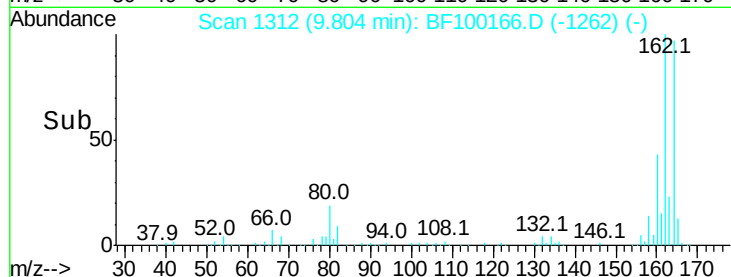
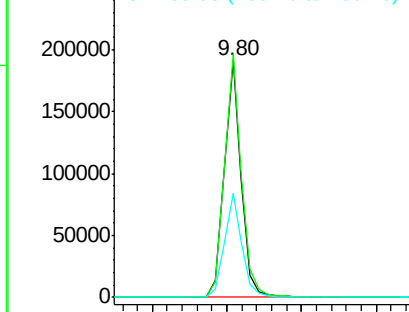
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	43.8	38.3	57.5

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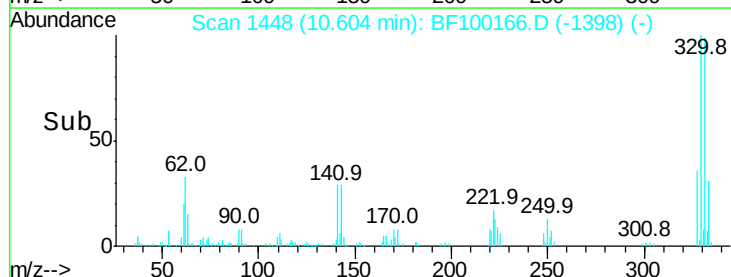
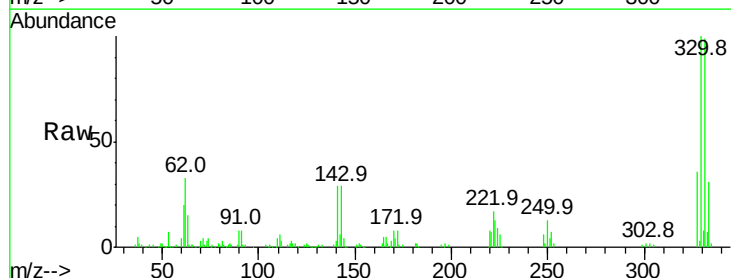
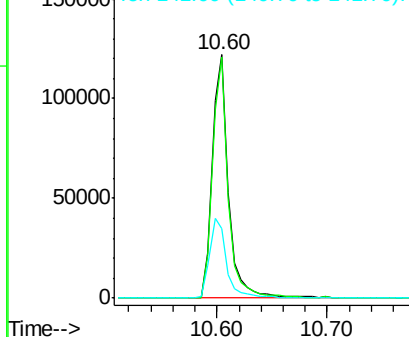
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

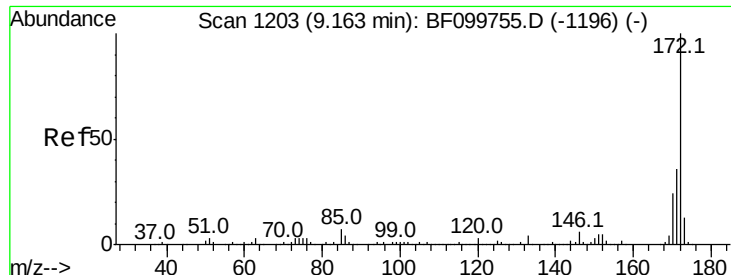


#41
 2,4,6-Tribromophenol
 Concen: 86.616 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	34.6	29.9	44.9

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





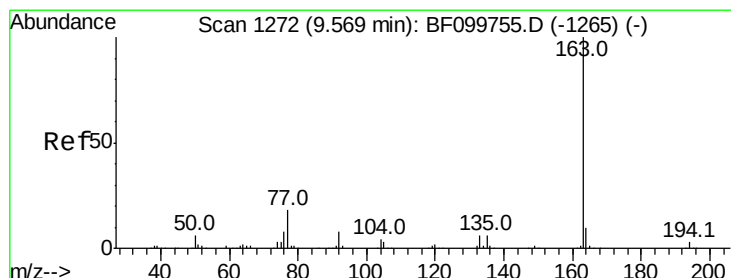
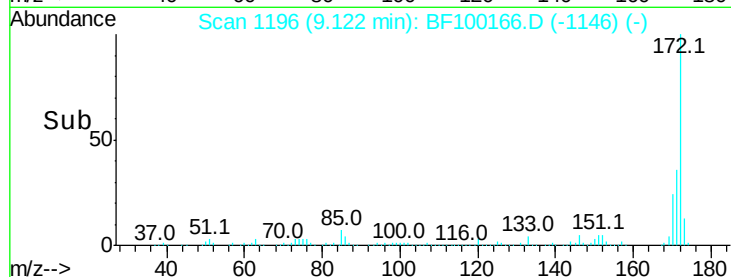
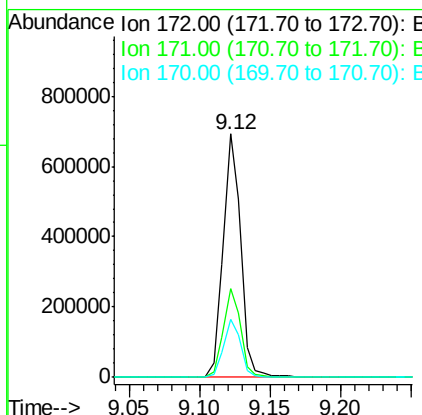
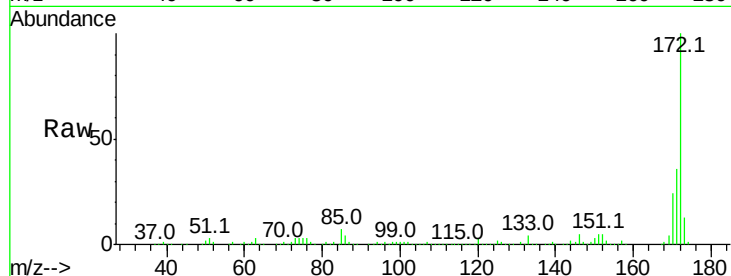
#44
2-Fluorobiphenyl
Concen: 60.358 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	601388		
171	36.3		29.7	44.5
170	23.9		19.6	29.4

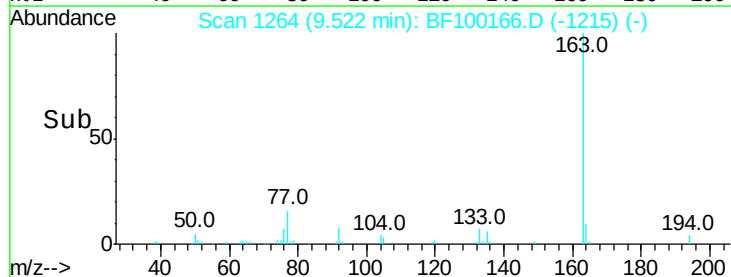
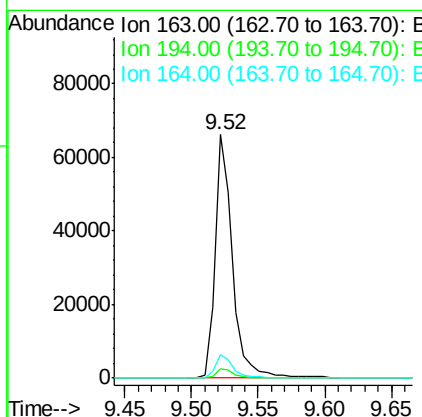
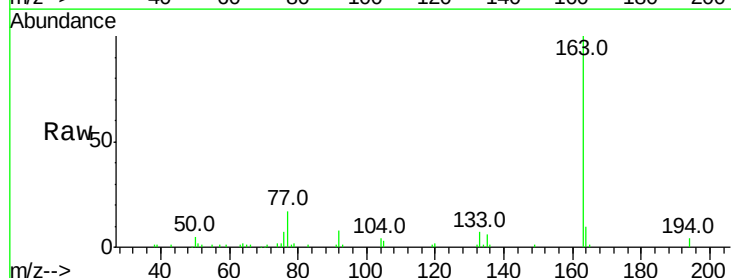
Manual Integrations
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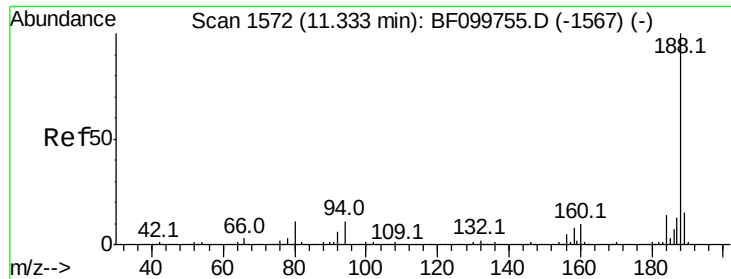
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#49
Dimethylphthalate
Concen: 4.975 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	60566		
194	4.0		2.7	4.1
164	9.9		8.2	12.2





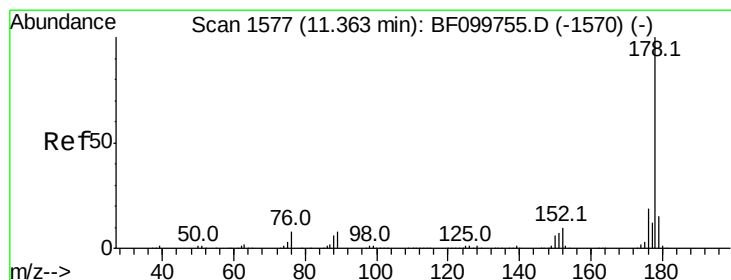
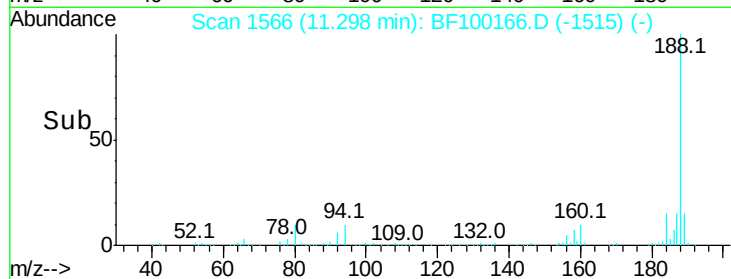
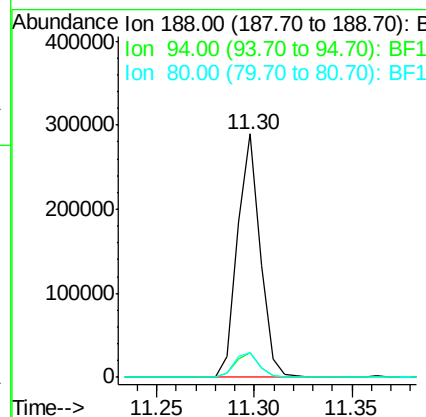
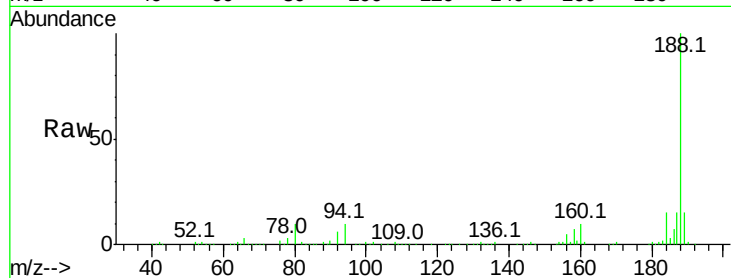
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.2	9.2	13.8

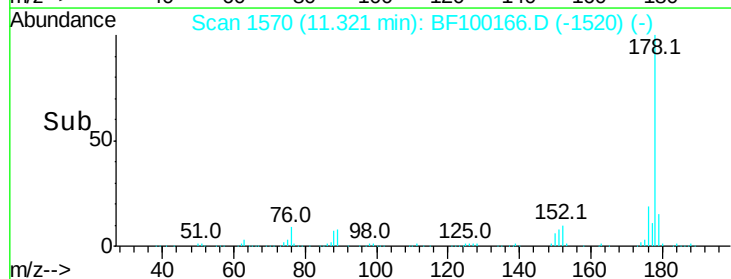
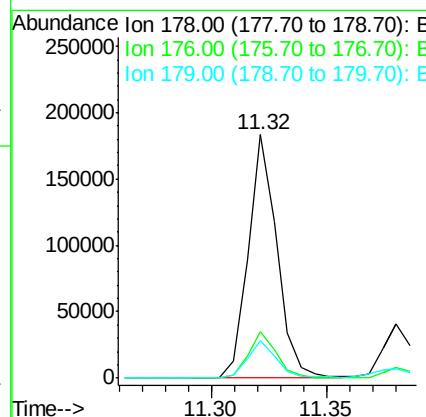
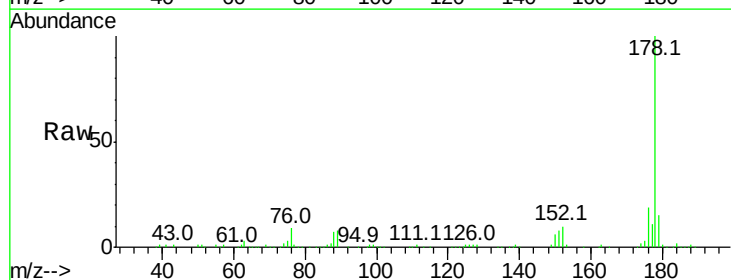
Manual Integrations
APPROVED

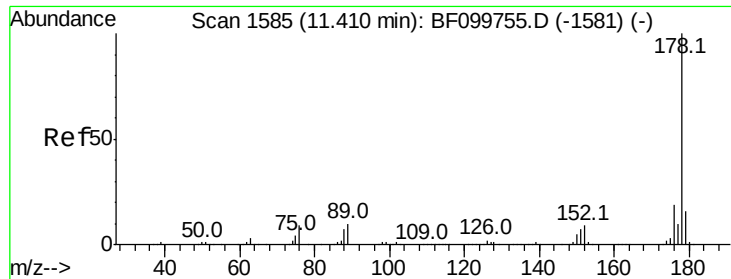
Sohil
11/4/2017 2:19:51 PM



#70
Phenanthrene
Concen: 12.041 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6





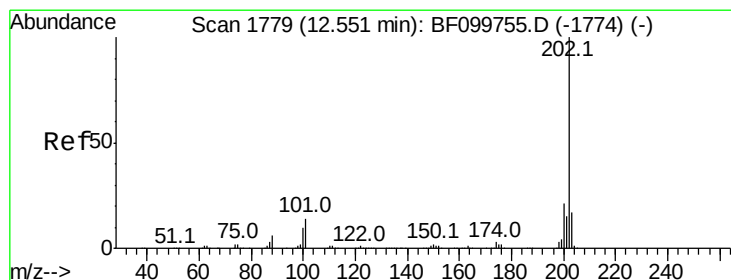
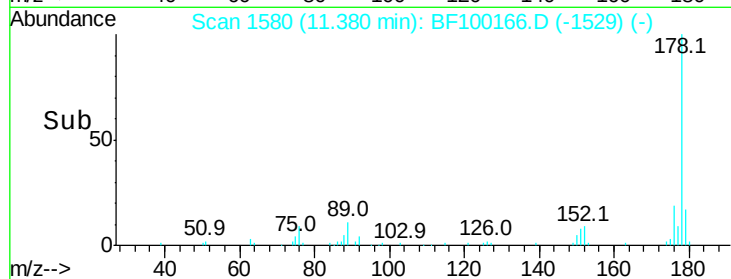
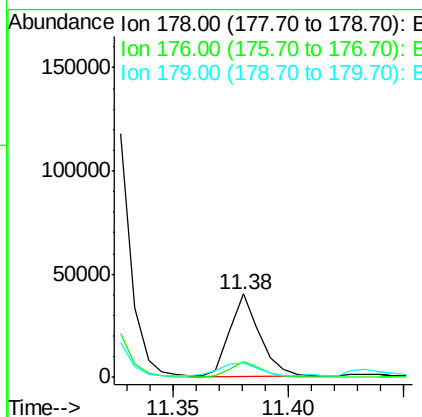
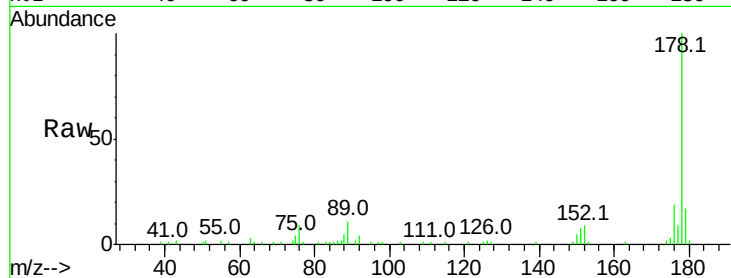
#71
 Anthracene
 Concen: 2.713 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.9	12.6	19.0

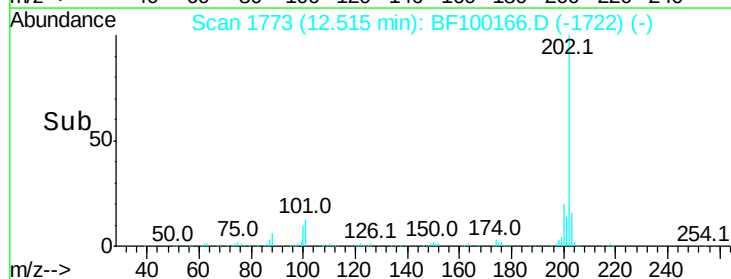
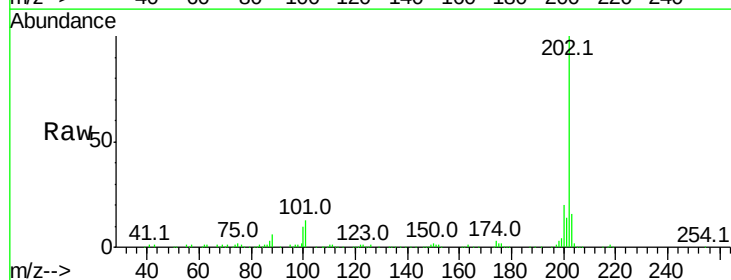
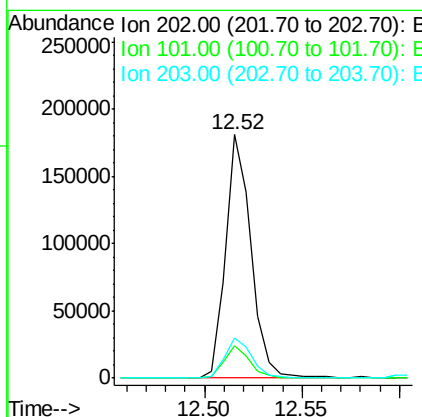
Manual Integrations
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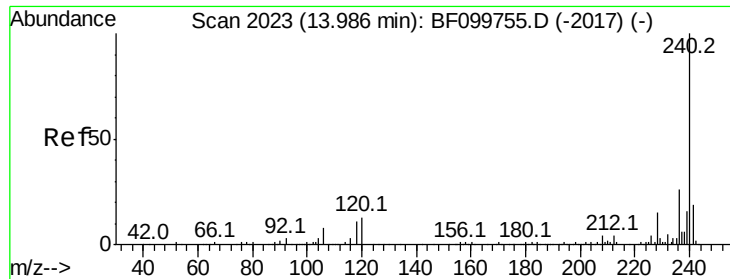
Sohil
 11/4/2017 2:19:51 PM



#74
 Fluoranthene
 Concen: 11.824 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	16.4	0.0	38.1





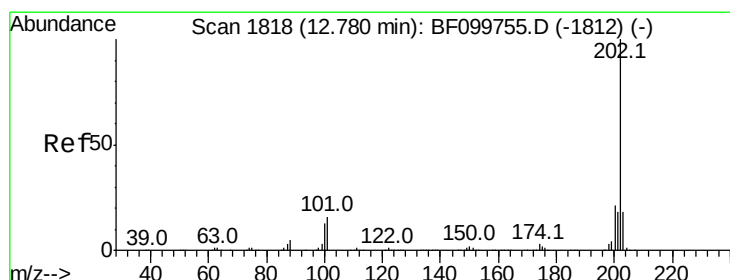
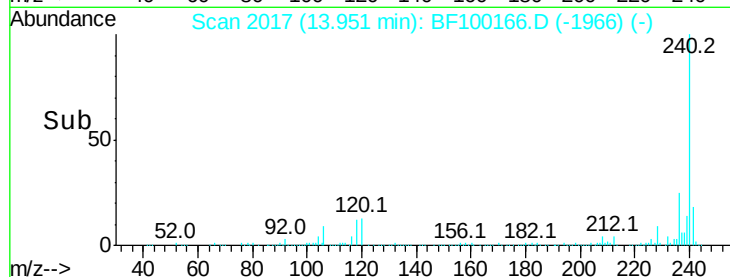
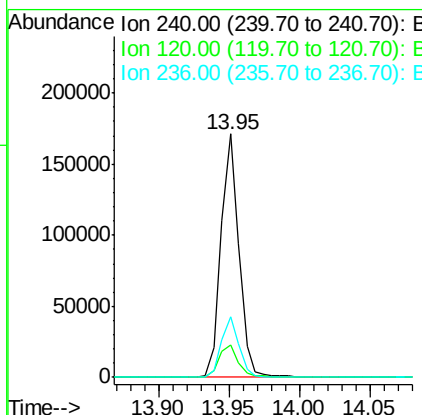
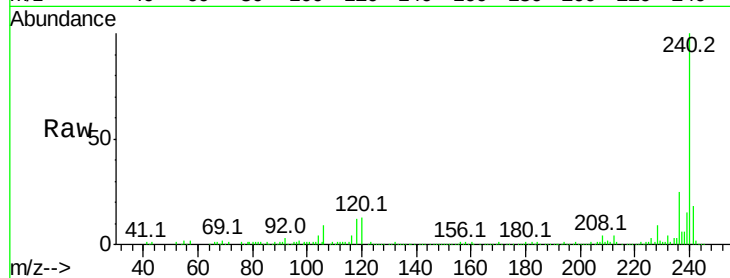
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.3	9.5	14.3	
236	25.0	20.7	31.1	

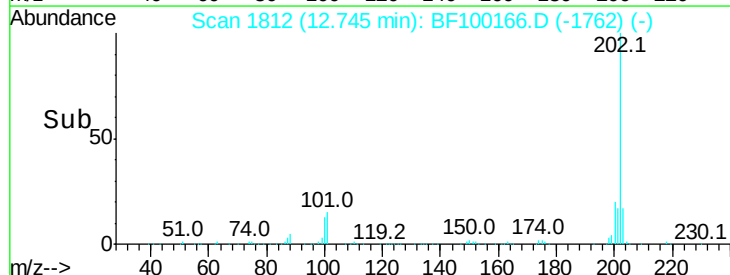
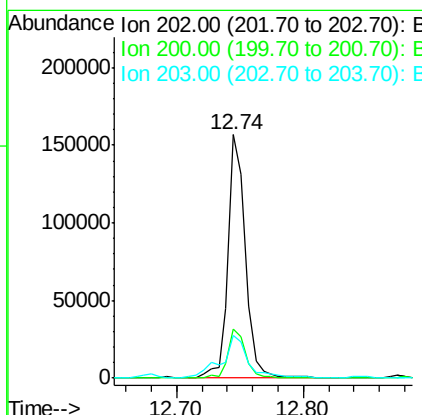
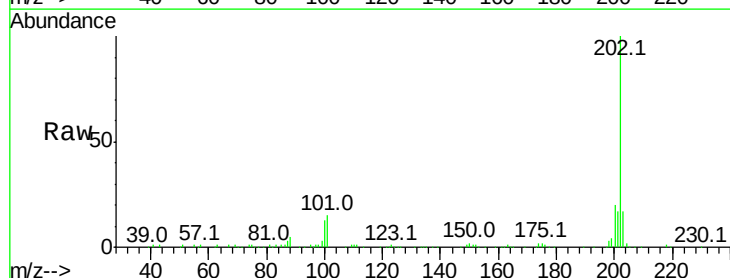
Manual Integrations
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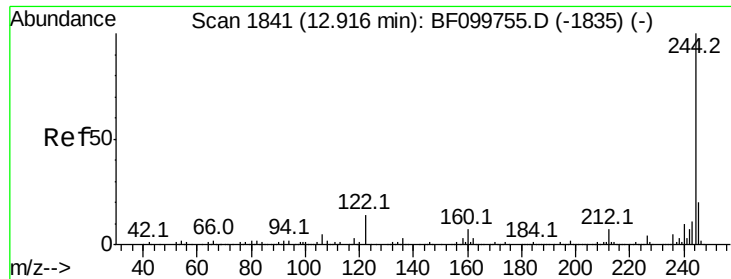
Sohil
11/4/2017 2:19:51 PM



#77
Pyrene
Concen: 12.922 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	17.4	26.2	
203	17.4	14.3	21.5	





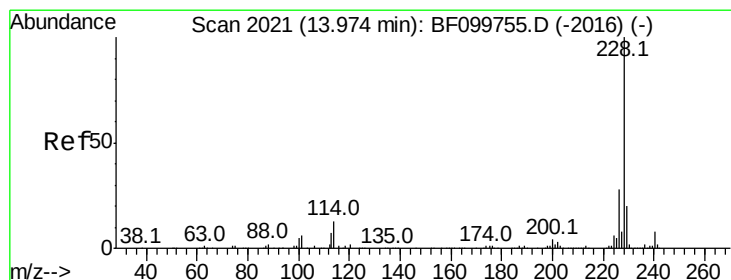
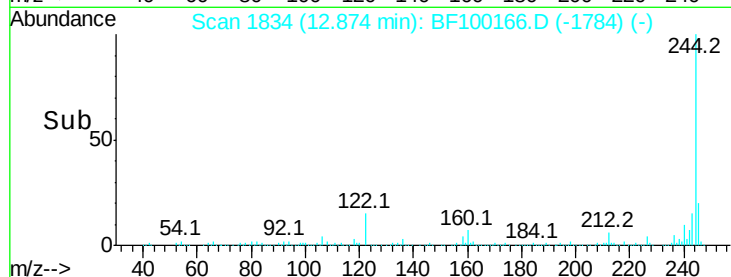
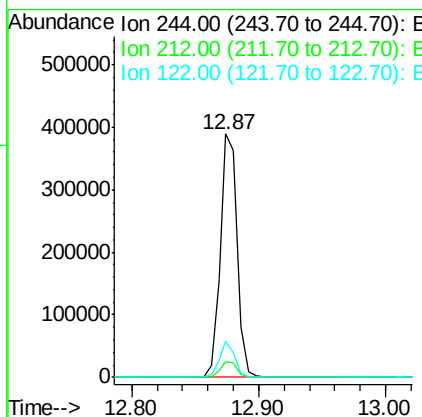
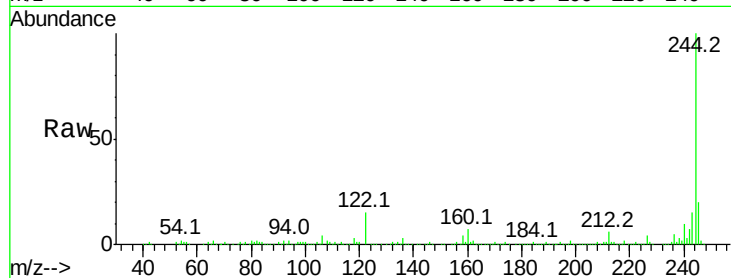
#78
 Terphenyl-d14
 Concen: 52.063 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	14.9	11.0	16.4

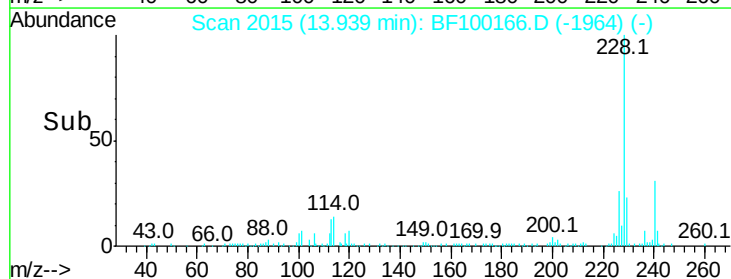
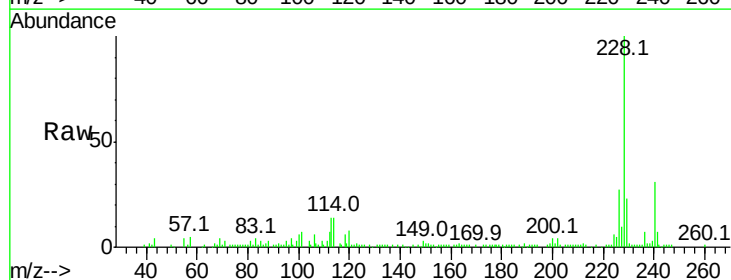
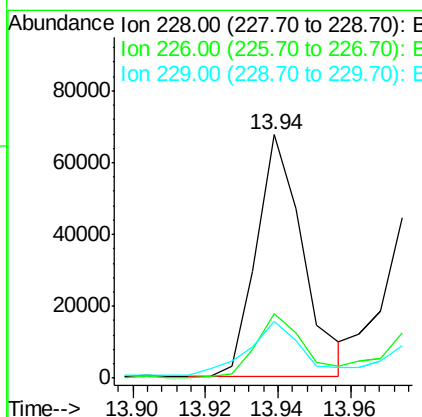
Manual Integrations
 APPROVED

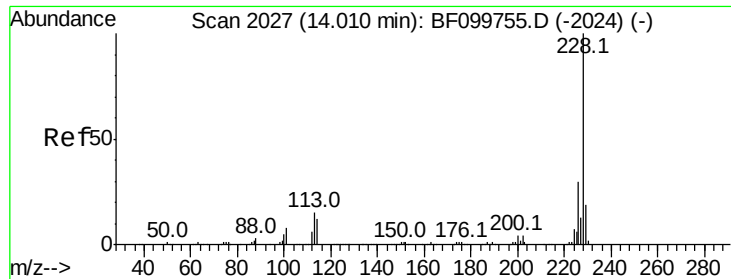
Sohil
 11/4/2017 2:19:51 PM



#80
 Benzo(a)anthracene
 Concen: 6.251 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.6	33.8
229	23.2	15.8	23.6





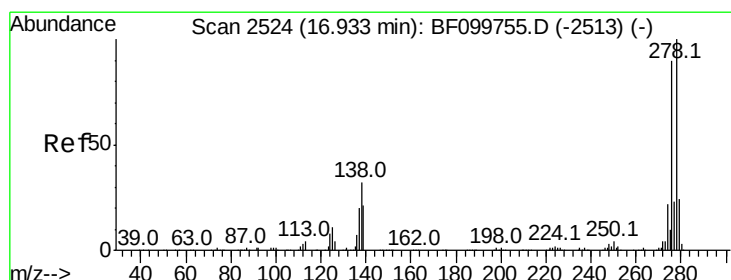
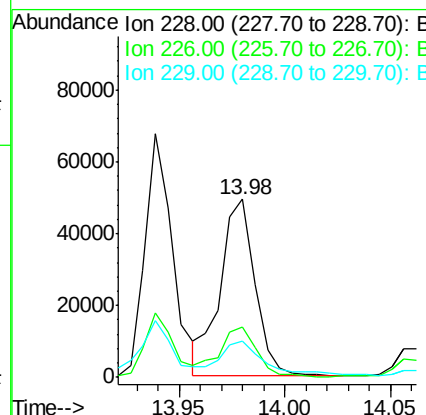
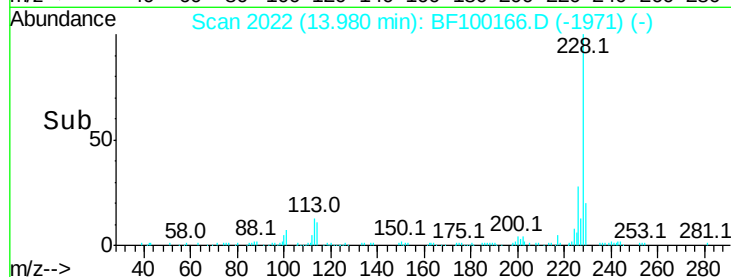
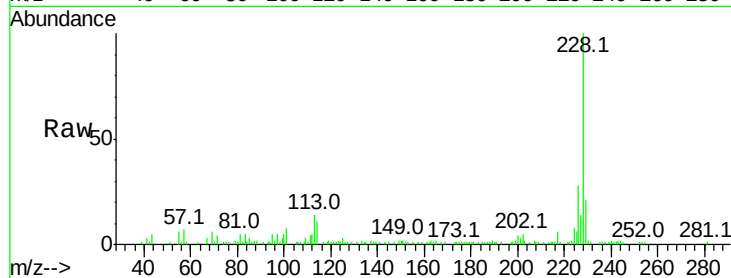
#82
Chrysene
Concen: 6.230 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion:	228	Resp:	56334
Ion Ratio	Lower	Upper	
228	100		
226	28.5	25.0	37.6
229	20.7	16.2	24.4

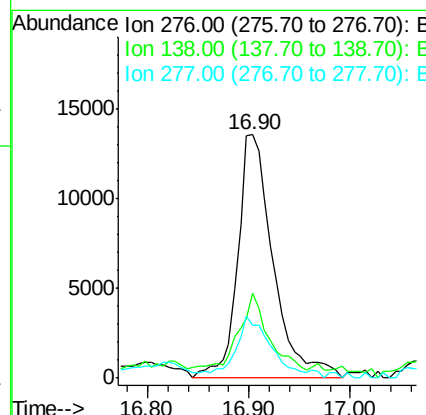
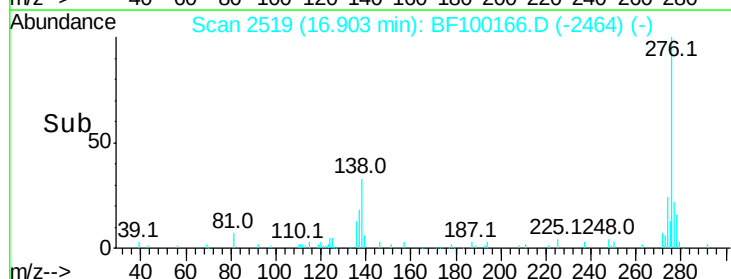
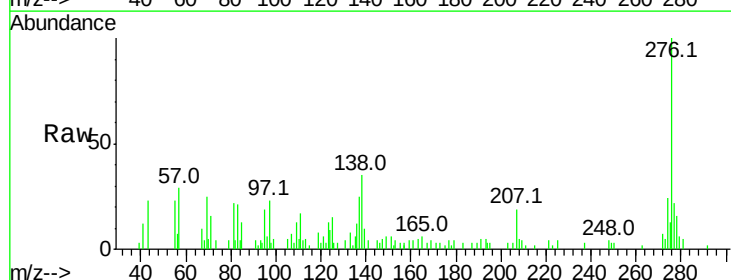
Manual Integrations
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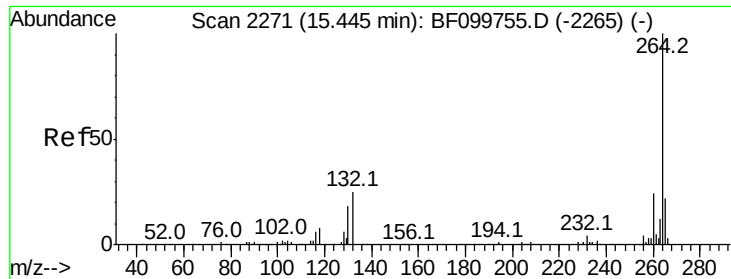
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.984 ng
RT: 16.90 min Scan# 2519
Delta R.T. 0.02 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion:	276	Resp:	33073
Ion Ratio	Lower	Upper	
276	100		
138	26.2	25.0	37.6
277	25.6	20.1	30.1





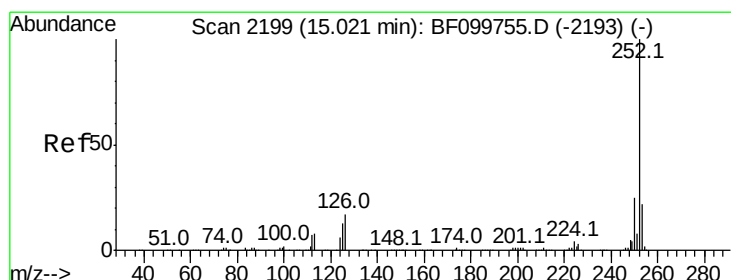
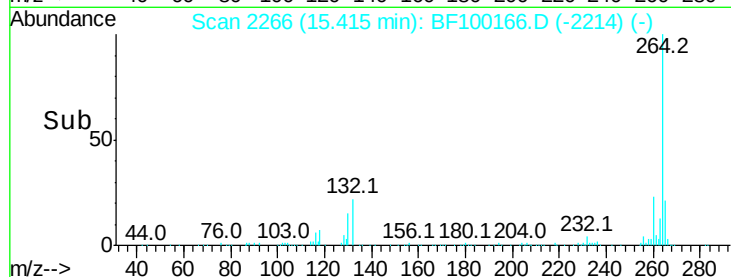
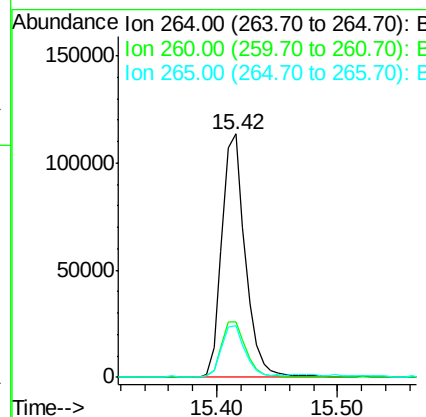
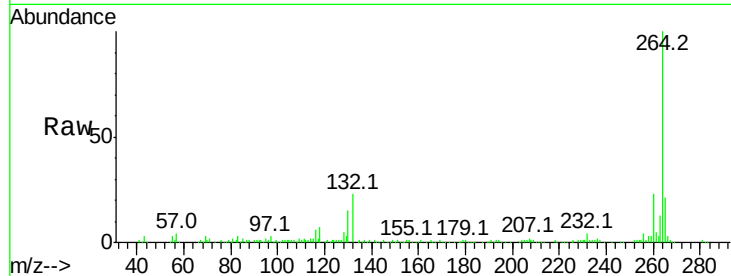
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.1	17.5	26.3

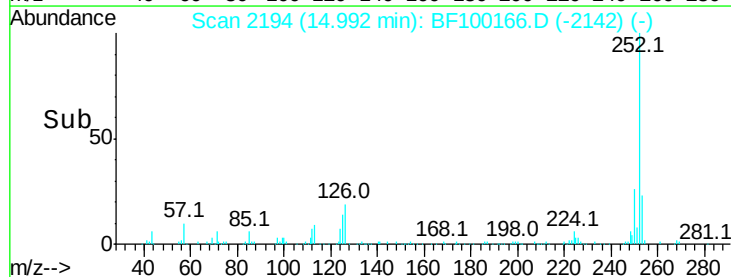
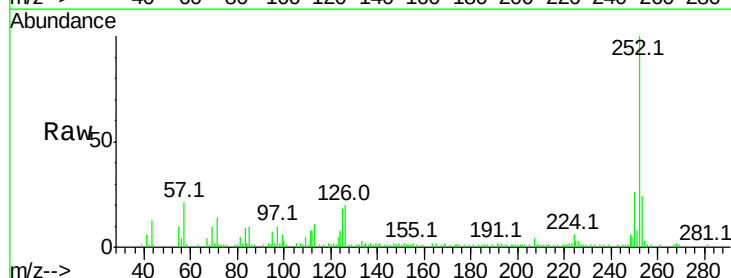
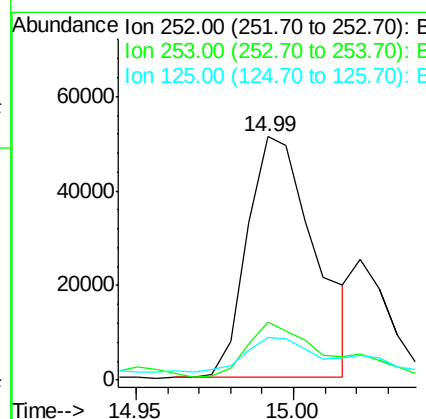
Manual Integrations
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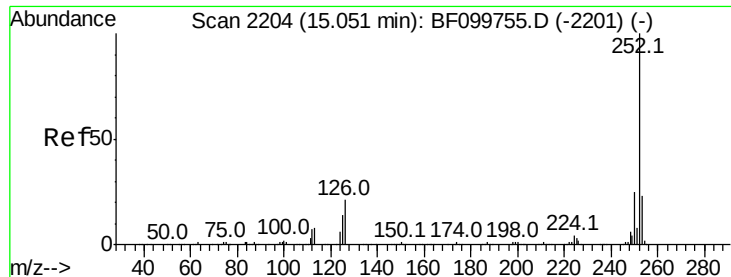
Sohil
11/4/2017 2:19:51 PM



#87
Benzo(b)fluoranthene
Concen: 7.845 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	17.5	9.0	13.6#





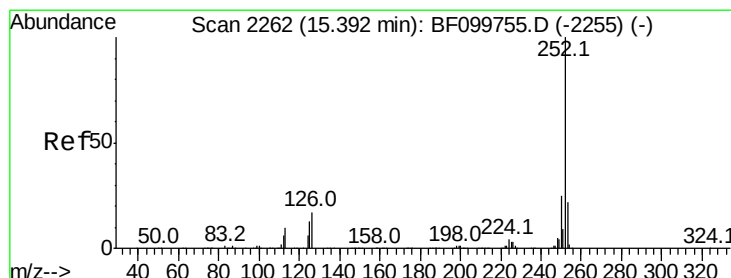
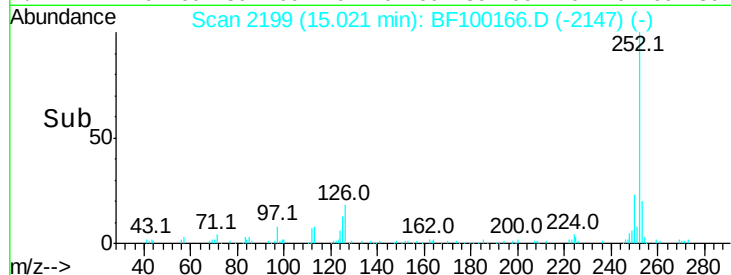
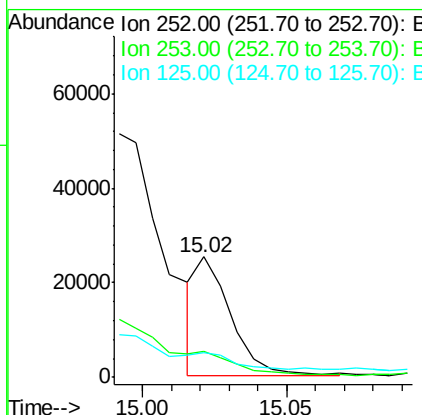
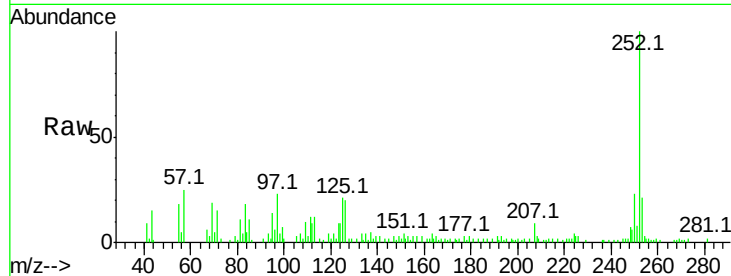
#88
Benzo(k)fluoranthene
Concen: 2.363 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	20.8	10.2	15.2

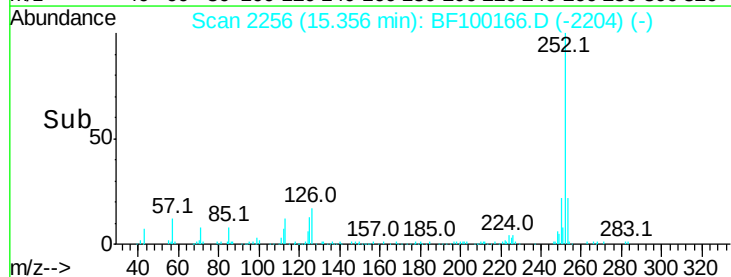
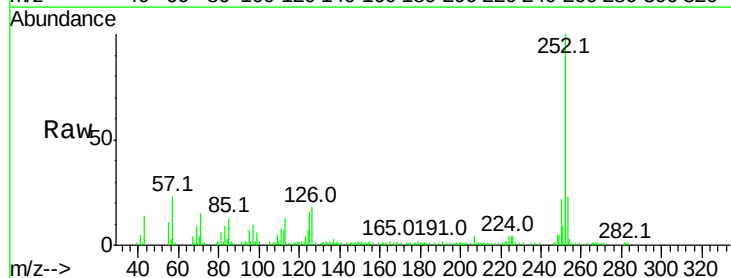
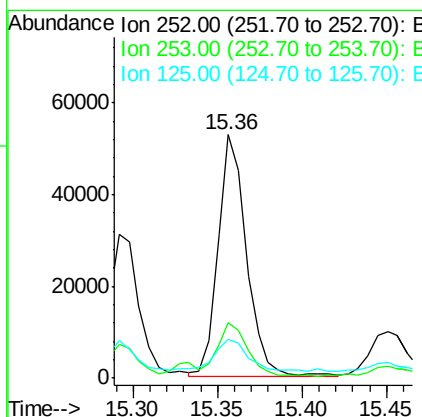
Manual Integrations
APPROVED

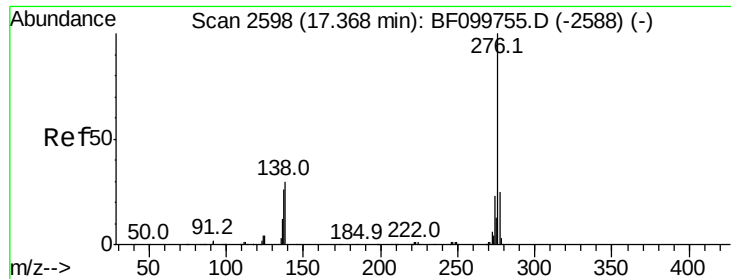
Sohil
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#89
Benzo(a)pyrene
Concen: 7.198 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	16.1	9.8	14.6





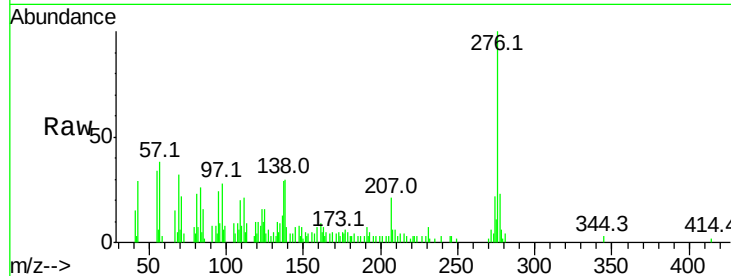
#91
 Benzo(a,h,i)perylene
 Concen: 3.982 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. 0.03 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	30.0	21.8	32.8

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

