

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116623.D
 Acq On : 28 Aug 2019 19:07
 Operator : HP/JU
 Sample : K4568-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-COMP

Manual Integrations
 APPROVED

Jagrut
 8/29/2019 7:46:58 PM

Quant Time: Aug 29 02:25:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	87499	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	331293	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	179625	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	317377	20.00	ng	0.00
76) Chrysene-d12	14.00	240	149868	20.00	ng	0.00
87) Perylene-d12	15.46	264	127751	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	781962	154.36	ng	0.00
7) Phenol-d6	6.49	99	1047582	152.53	ng	0.00
23) Nitrobenzene-d5	7.42	82	652832	112.76	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	260988	152.68	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1072326	99.35	ng	0.00
79) Terphenyl-d14	12.96	244	1091251	118.42	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	25237	3.350	ng	98
31) Naphthalene	8.16	128	95745	6.033	ng	99
37) 2-Methylnaphthalene	8.85	142	32777	3.307	ng	97
38) 1-Methylnaphthalene	8.95	142	27517	2.843	ng	94
50) Dimethylphthalate	9.60	163	144138	11.936	ng	99
52) Acenaphthene	9.93	154	53304	5.042	ng	96
55) Dibenzofuran	10.10	168	66004	4.636	ng	97
58) Fluorene	10.44	166	69263	6.411	ng	99
71) Phenanthrene	11.40	178	835607	49.018	ng	99
72) Anthracene	11.45	178	179013	10.502	ng	98
73) Carbazole	11.60	167	65358	4.505	ng	98
75) Fluoranthene	12.59	202	726211	47.500	ng	99
78) Pyrene	12.82	202	686391	49.807	ng	99
81) Benzo(a)anthracene	14.00	228	175999	17.614	ng	97
83) Chrysene	14.03	228	163422	16.707	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	62900	11.492	ng	# 94
88) Benzo(b)fluoranthene	15.04	252	132532m	16.893	ng	
89) Benzo(k)fluoranthene	15.06	252	51146m	6.859	ng	
90) Benzo(a)pyrene	15.40	252	104205	14.883	ng	98
91) Dibenzo(a,h)anthracene	16.91	278	14876m	2.277	ng	
92) Benzo(g,h,i)perylene	17.34	276	63291	9.317	ng	97

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

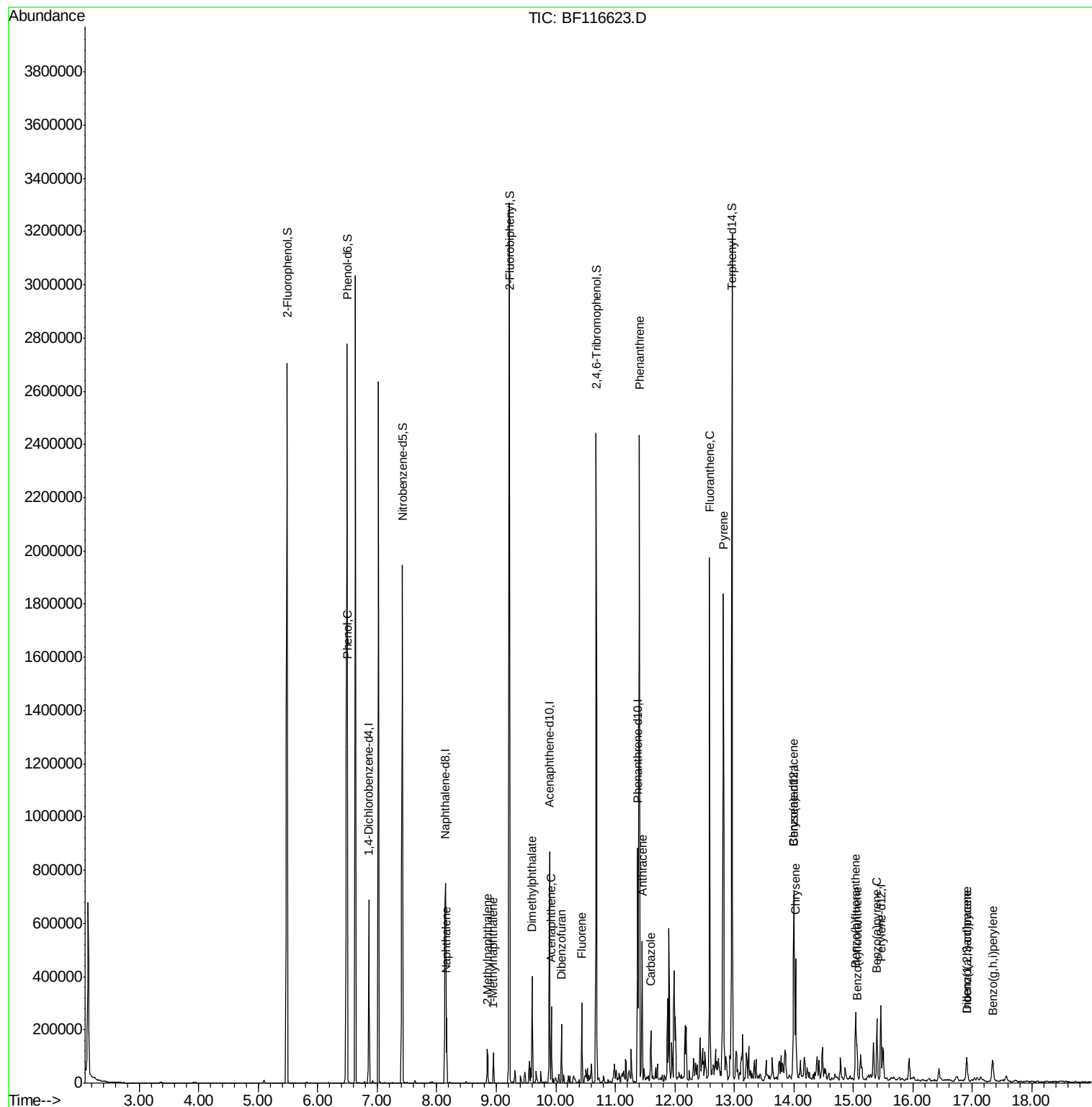
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116623.D
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Sample : K4568-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

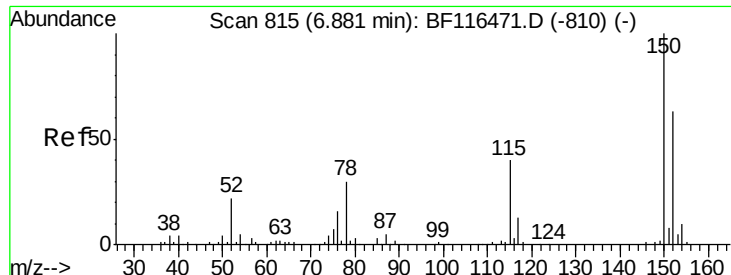
Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

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

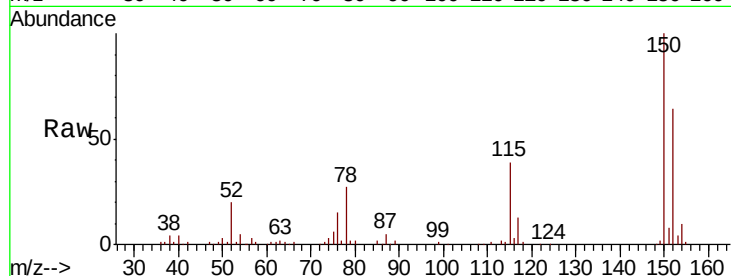
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	123.4	185.2
115	60.9	48.2	72.2

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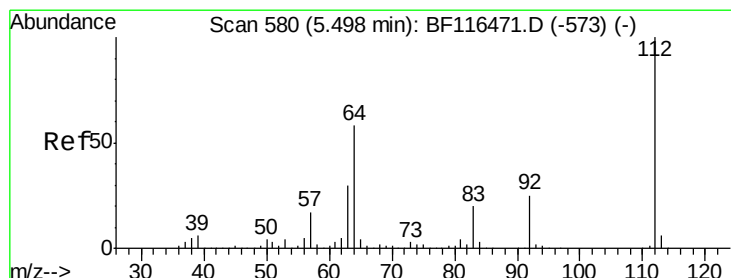
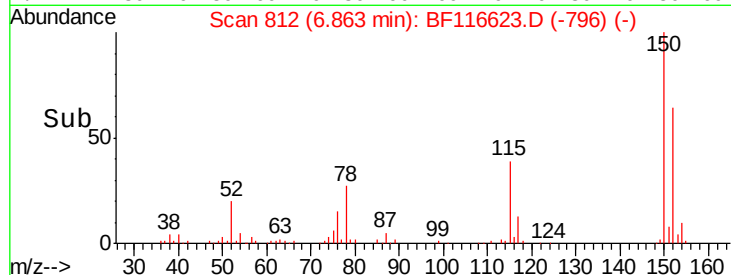
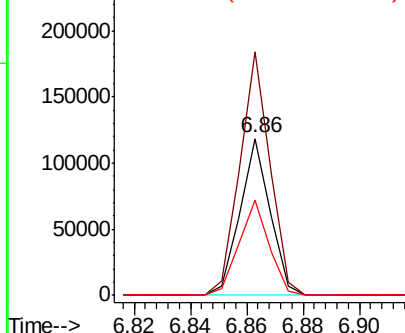


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

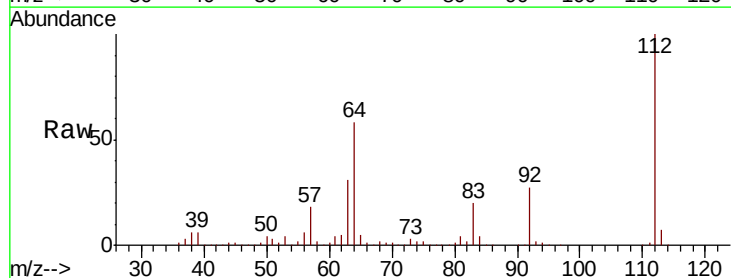
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 154.359 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	48.0	72.0
63	31.0	24.6	36.8

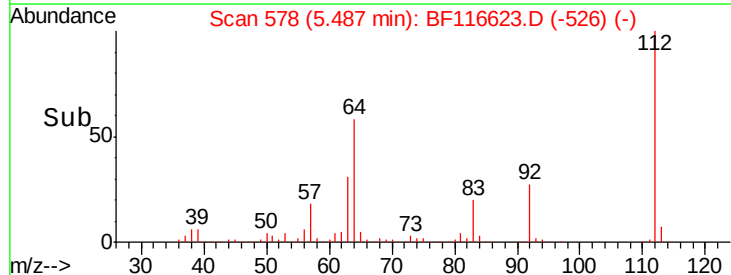
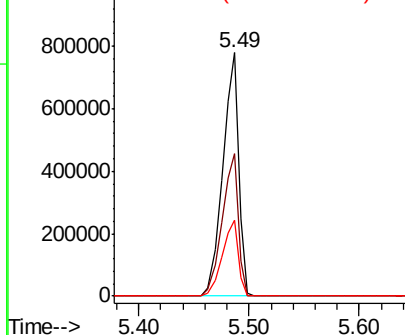


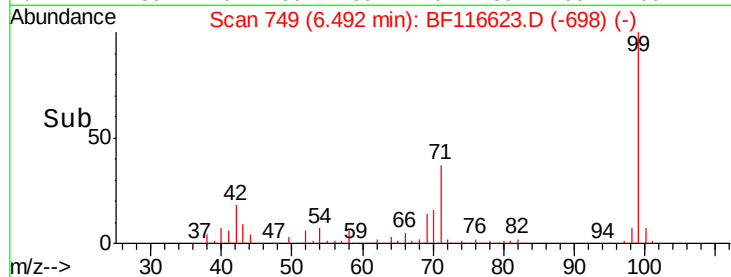
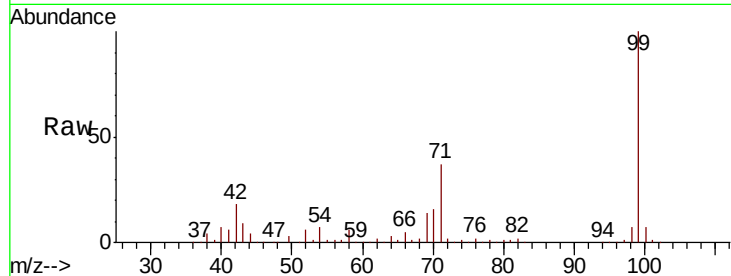
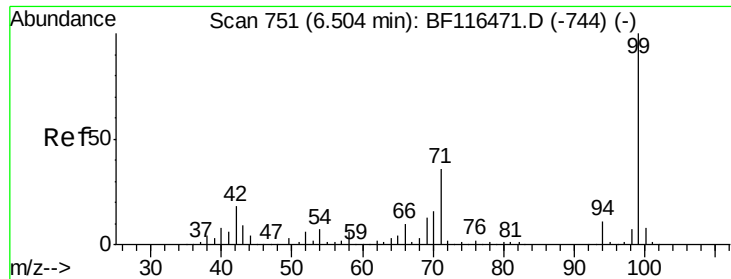
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 152.531 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Tot Ion:	99	Resp:	1047582
Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.2	19.8
71	36.9	27.4	41.2

Instrument :

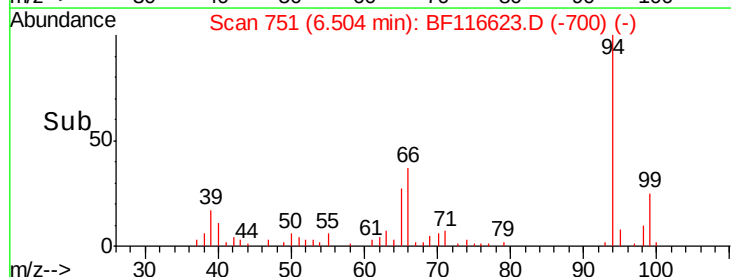
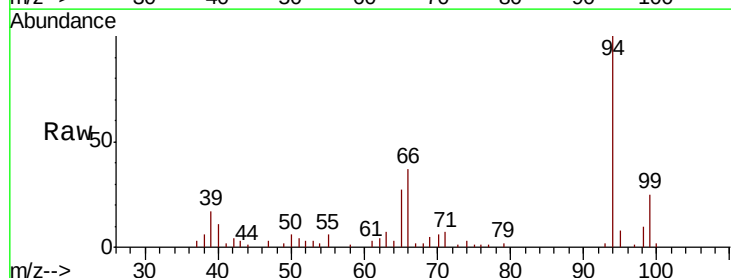
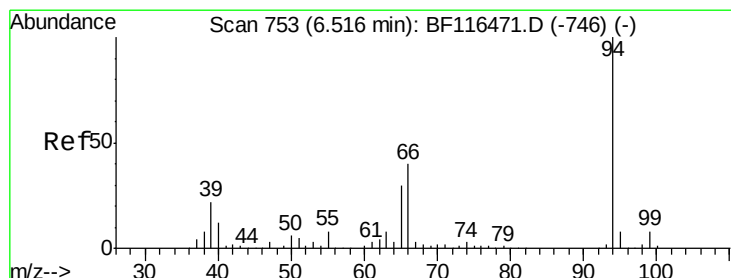
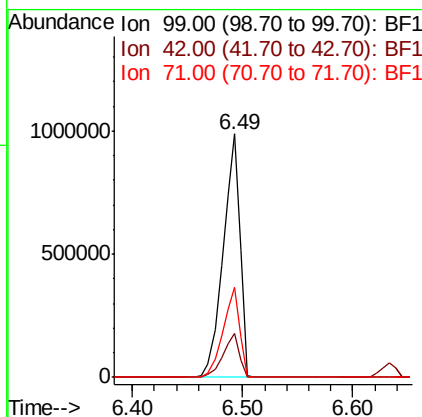
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.350 ng

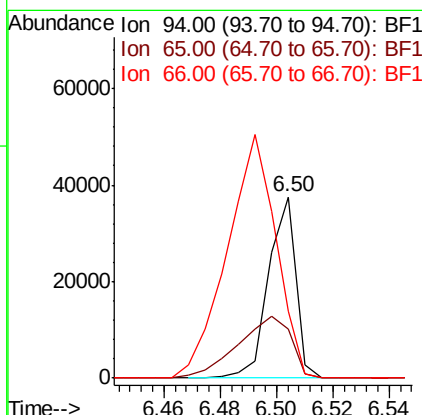
RT: 6.50 min Scan# 751

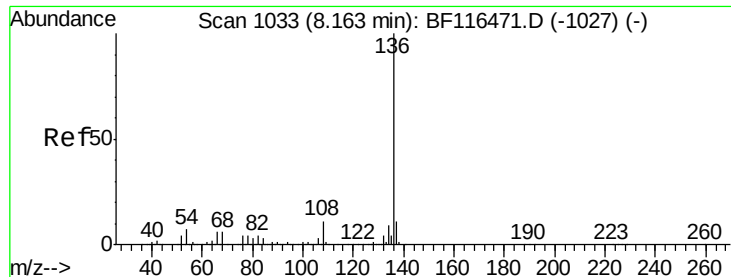
Delta R.T. -0.00 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Tgt Ion:	94	Resp:	25237
Ion	Ratio	Lower	Upper
94	100		
65	27.1	8.6	48.6
66	37.3	18.0	58.0





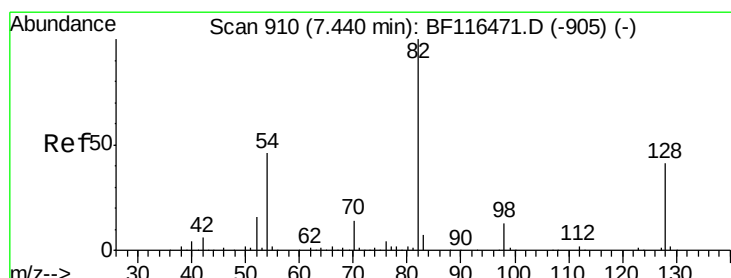
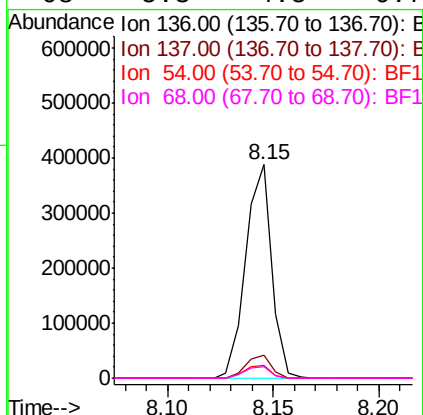
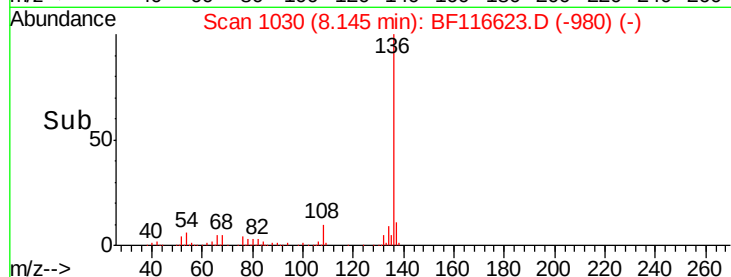
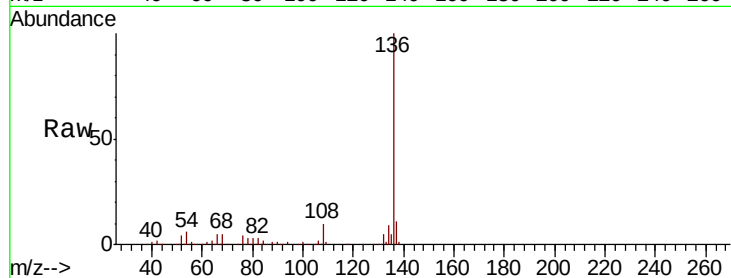
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.7	13.1	
54	5.9	5.0	7.4	
68	5.3	4.5	6.7	

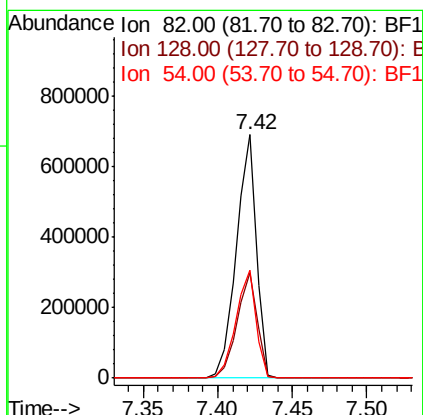
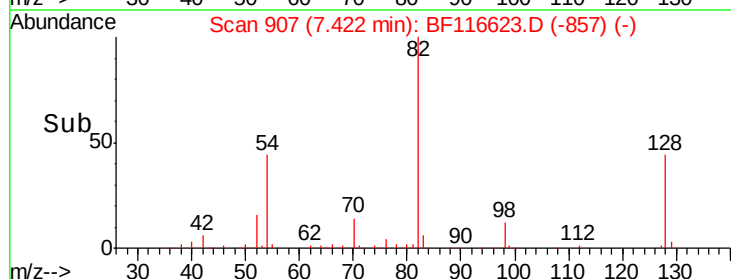
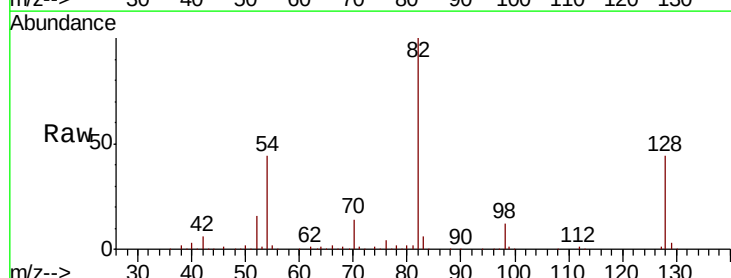
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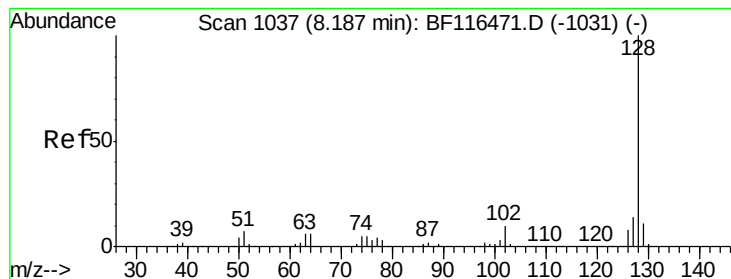
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#23
Nitrobenzene-d5
Concen: 112.755 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.5	35.0	52.6	
54	44.3	34.4	51.6	





#31

Naphthalene

Concen: 6.033 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Instrument :

BNA_F

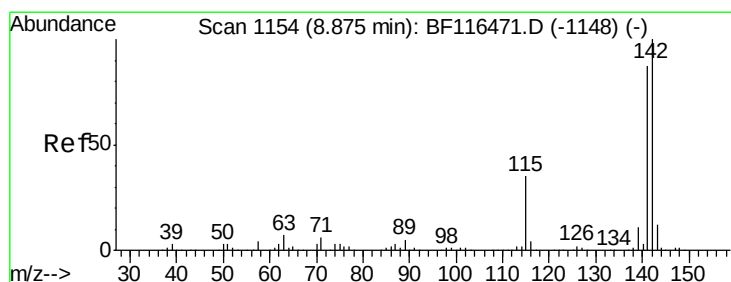
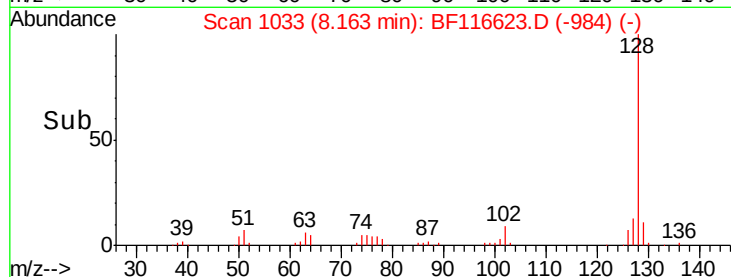
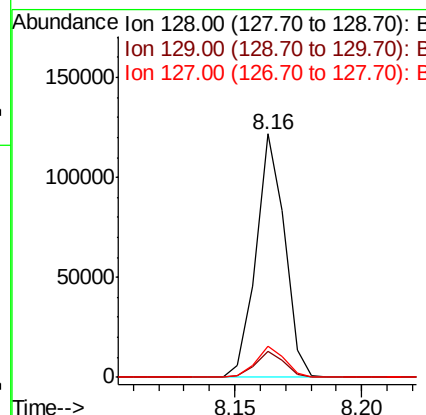
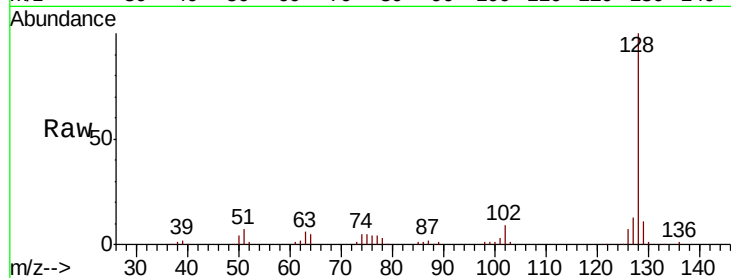
ClientSampleId :

SB-19-COMP

Tot Ion:	128	Resp:	95745
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.9	13.3
127	12.7	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 3.307 ng

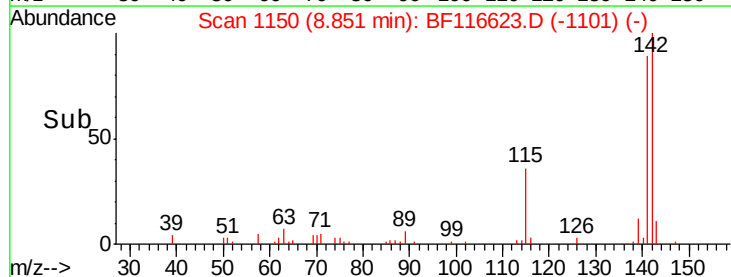
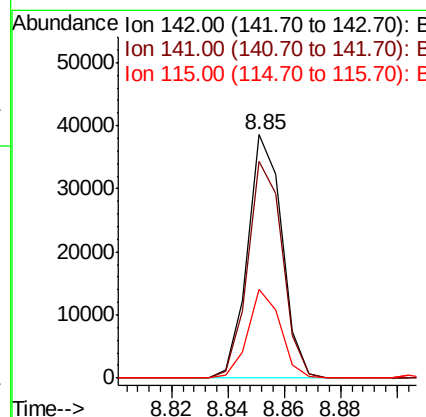
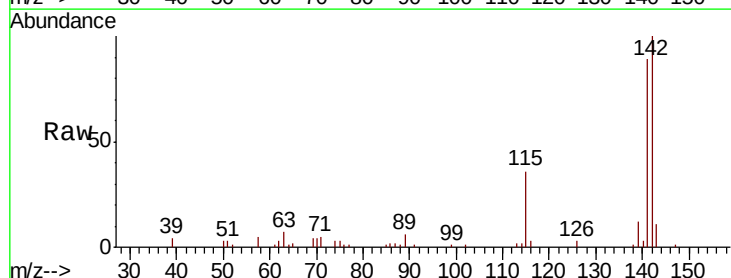
RT: 8.85 min Scan# 1150

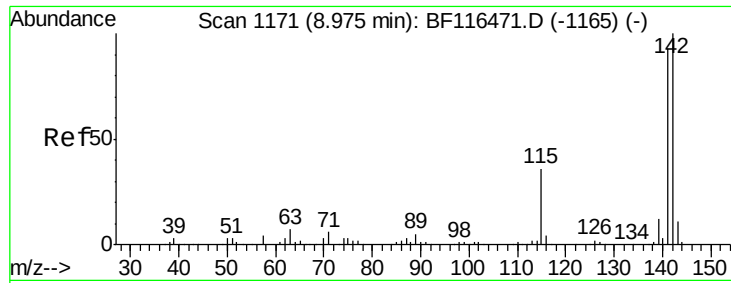
Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Tgt Ion:	142	Resp:	32777
Ion Ratio	Lower	Upper	
142	100		
141	88.8	69.5	104.3
115	36.4	26.0	39.0





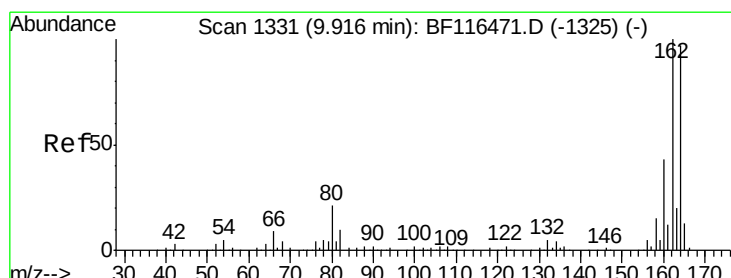
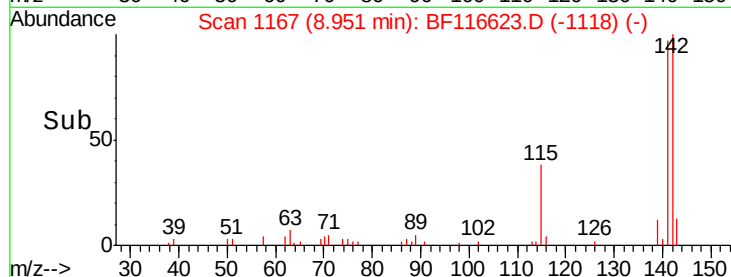
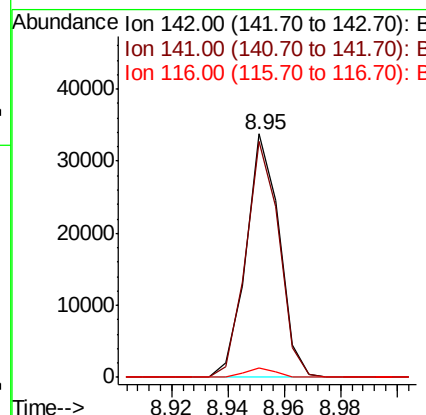
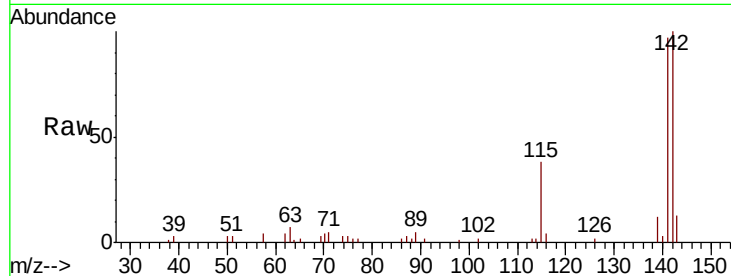
#38
 1-Methylnaphthalene
 Concen: 2.843 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF116623.D
 Acq: 28 Aug 2019 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	97.0	73.1	109.7
116	3.9	2.7	4.1

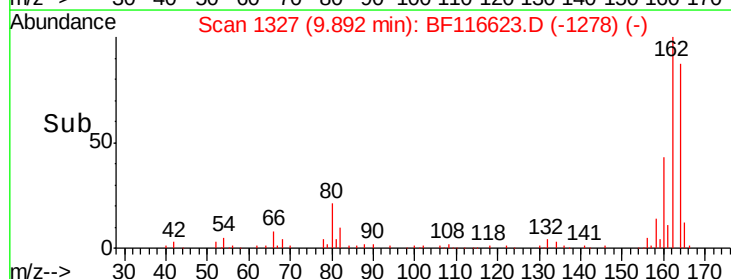
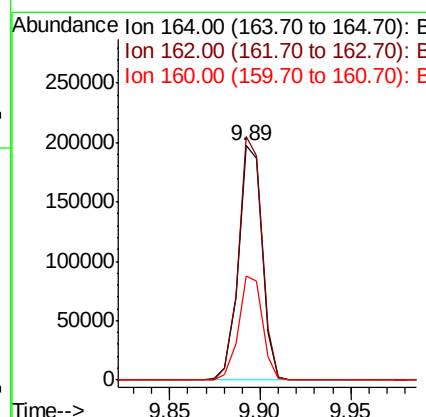
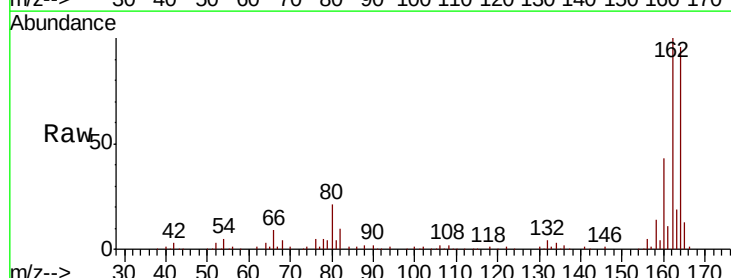
Manual Integrations
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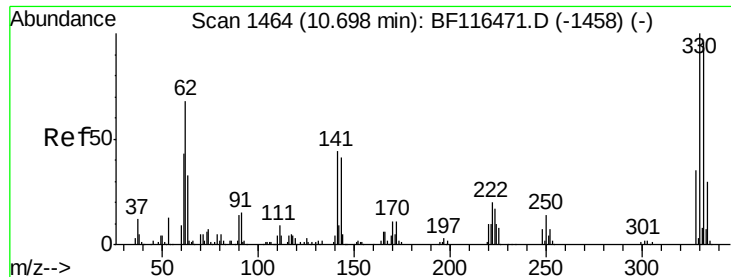
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF116623.D
 Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.4	125.0
160	44.6	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 152.685 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Instrument :

BNA_F

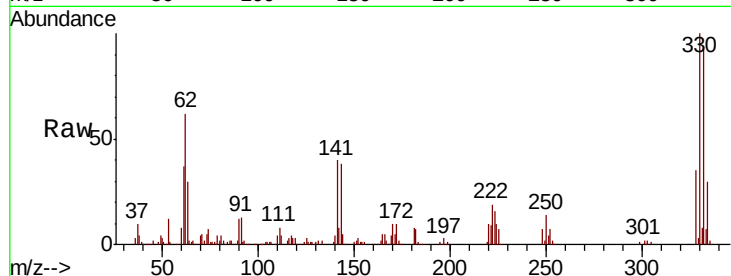
ClientSampleId :

SB-19-COMP

Tot Ion:	330	Resp:	260988
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.5	116.3
141	38.6	28.2	42.2

Manual Integrations
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8/29/2019 7:46:58 PM

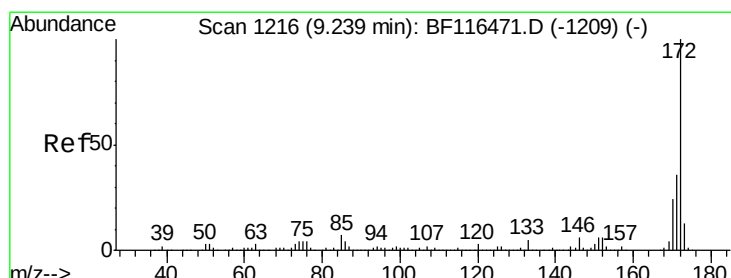
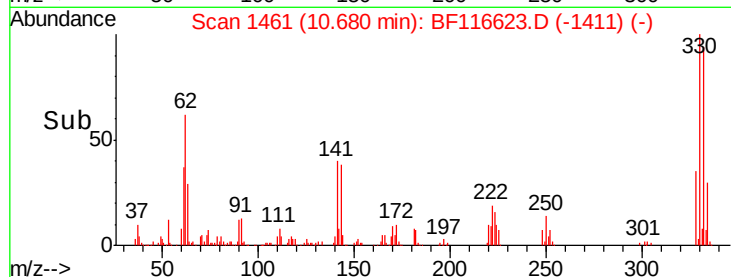
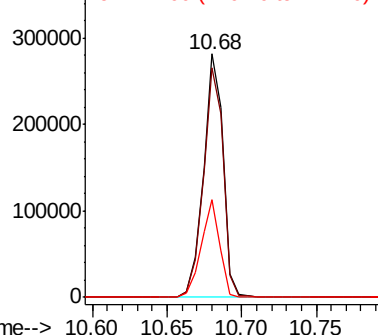


Abundance

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



#45

2-Fluorobiphenyl

Concen: 99.349 ng

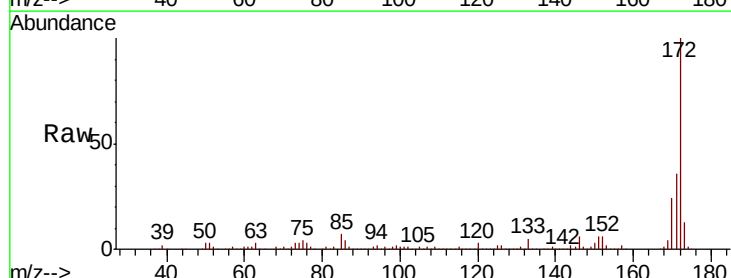
RT: 9.22 min Scan# 1213

Delta R.T. -0.00 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Tgt Ion:	172	Resp:	1072326
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.0	43.6
170	24.0	19.3	28.9

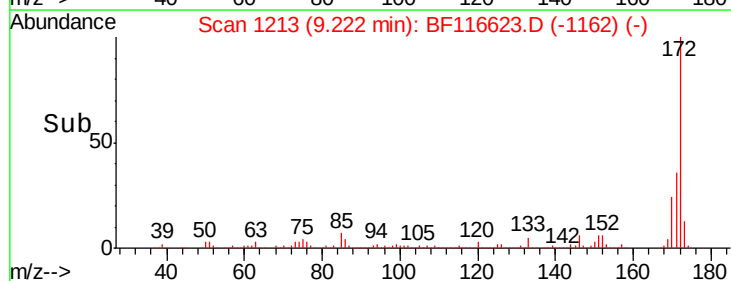
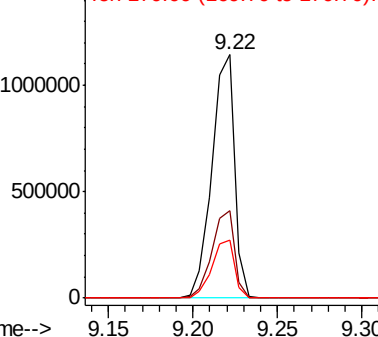


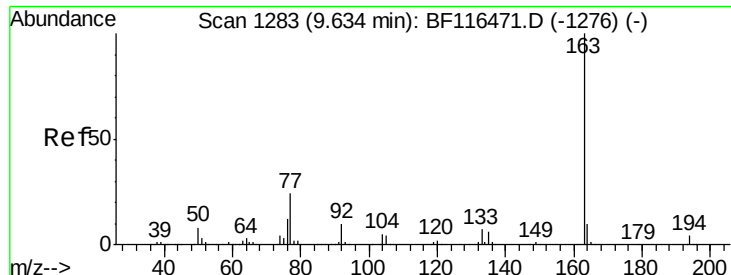
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





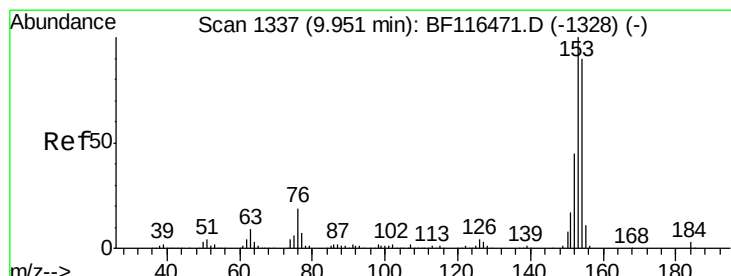
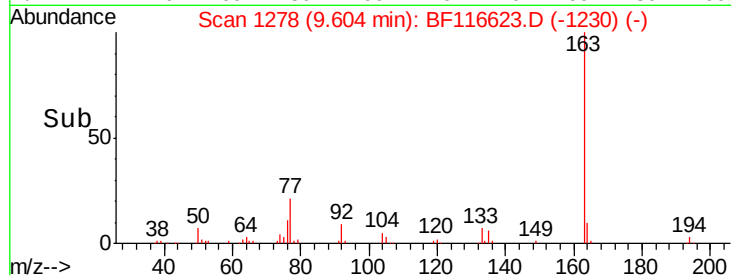
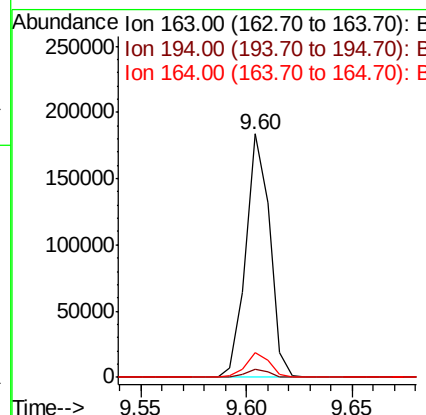
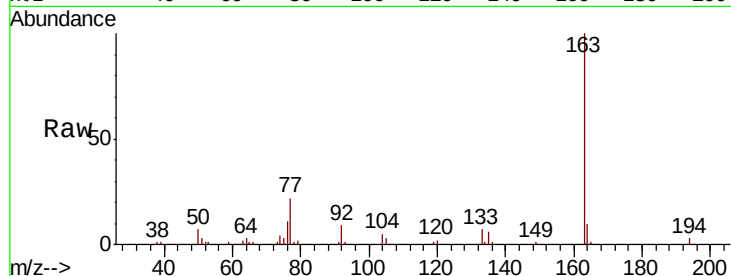
#50
Dimethylphthalate
Concen: 11.936 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	144138		
194	3.3		3.0	4.6
164	10.0		8.2	12.2

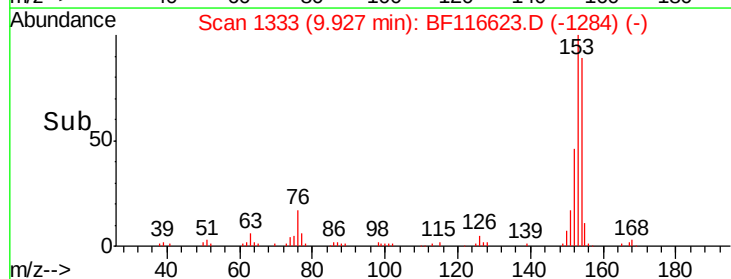
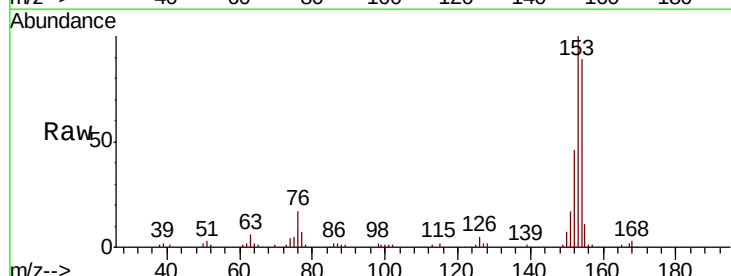
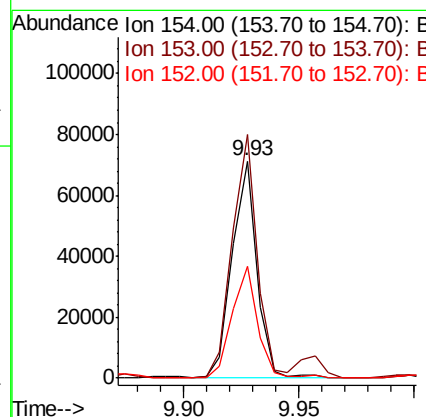
Manual Integrations
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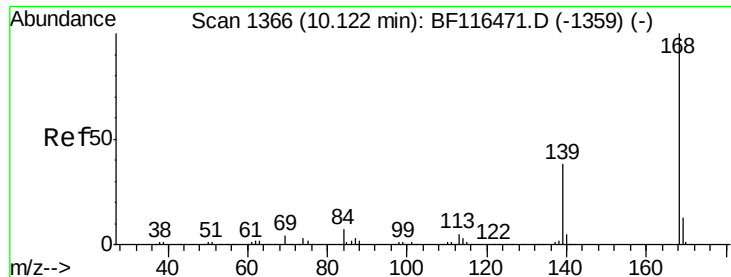
Jagrut
8/29/2019 7:46:58 PM



#52
Acenaphthene
Concen: 5.042 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	53304		
153	112.3		86.6	129.8
152	51.5		39.4	59.0





#55

Dibenzenofuran

Concen: 4.636 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Instrument :

BNA_F

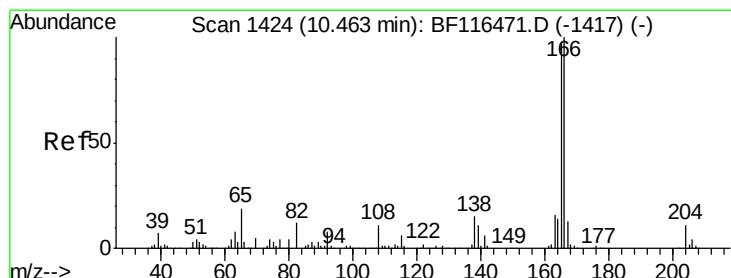
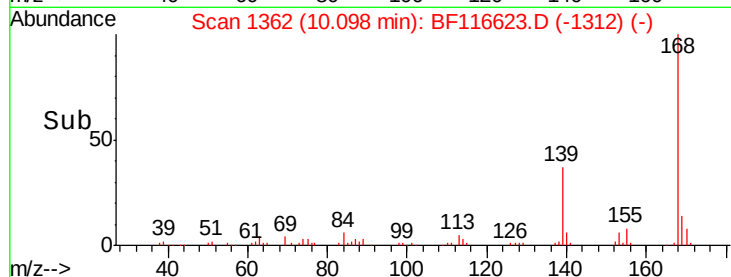
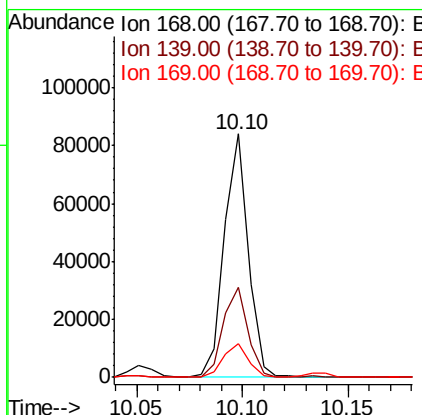
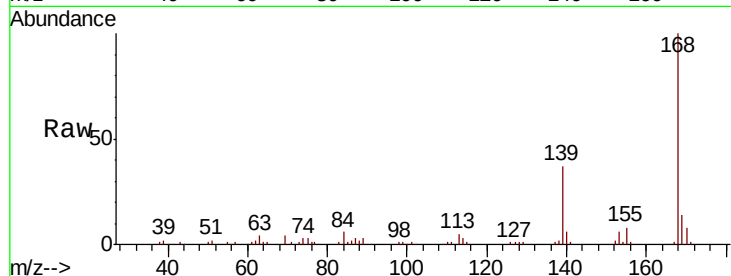
ClientSampled :

SB-19-COMP

Tot Ion:	168	Resp:	66004
Ion Ratio	Lower	Upper	
168	100		
139	36.9	31.3	46.9
169	14.0	11.3	16.9

Manual Integrations
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#58

Fluorene

Concen: 6.411 ng

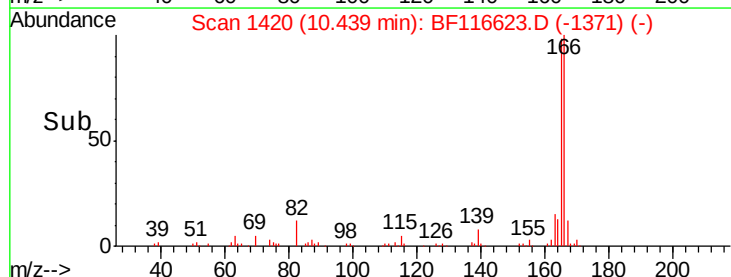
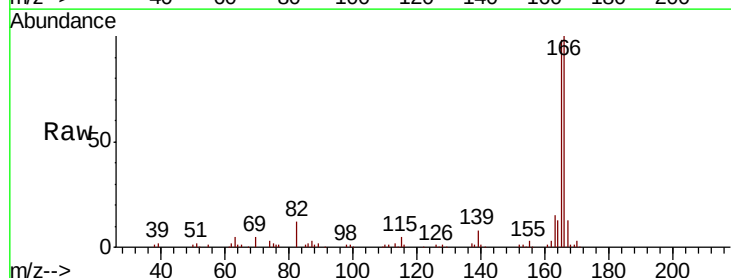
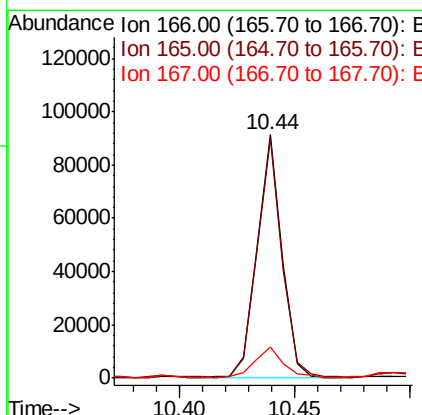
RT: 10.44 min Scan# 1420

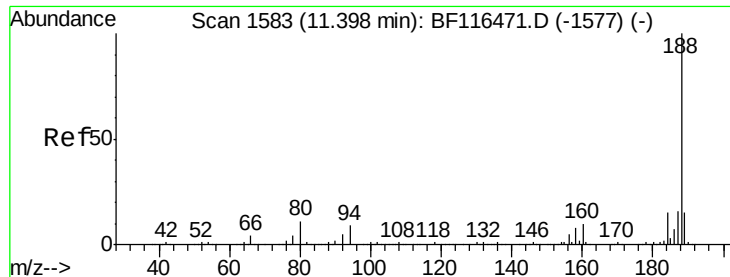
Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Tgt Ion:	166	Resp:	69263
Ion Ratio	Lower	Upper	
166	100		
165	98.4	77.8	116.6
167	12.8	10.6	16.0





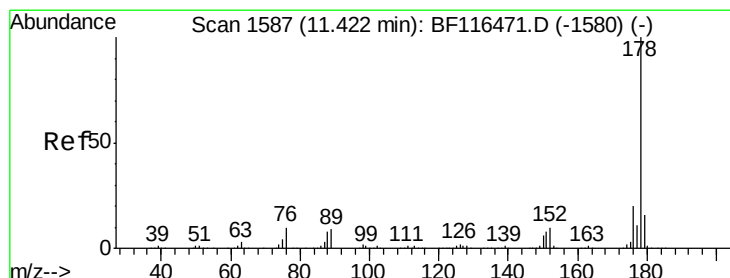
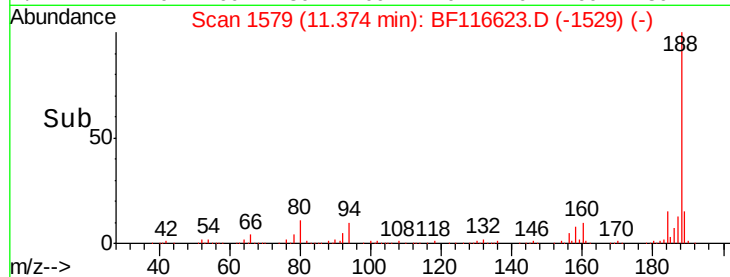
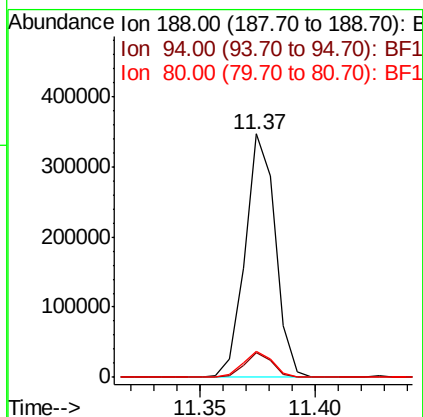
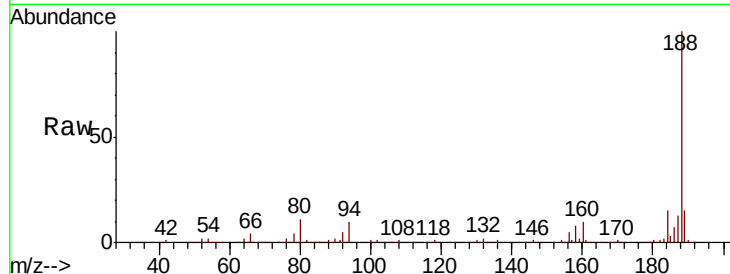
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

Tot Ion	188	Resp	317377
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.2	12.4
80	10.7	8.9	13.3

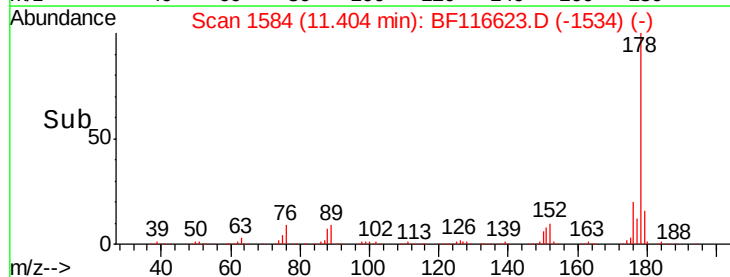
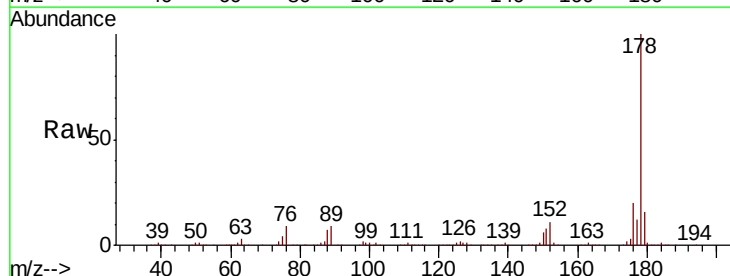
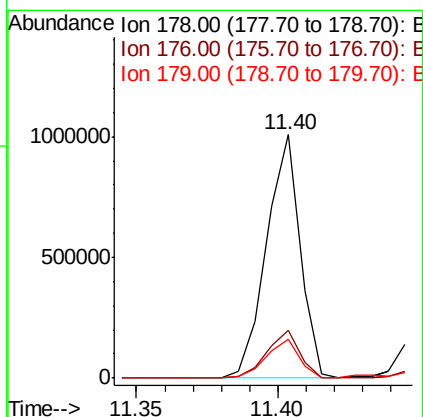
Manual Integrations
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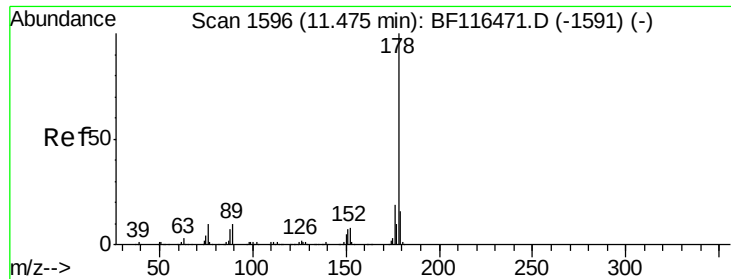
Jagrut
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#71
Phenanthrene
Concen: 49.018 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Tgt Ion	178	Resp	835607
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.5	23.3
179	15.8	12.4	18.6





#72

Anthracene

Concen: 10.502 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Instrument :

BNA_F

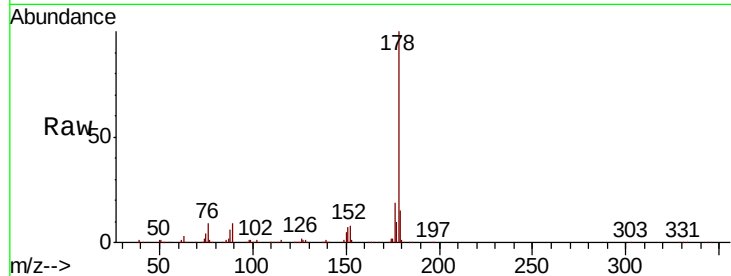
ClientSampled :

SB-19-COMP

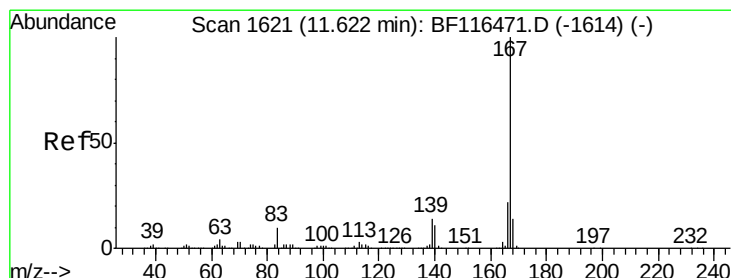
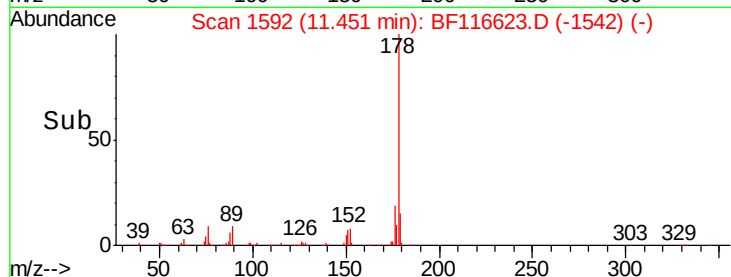
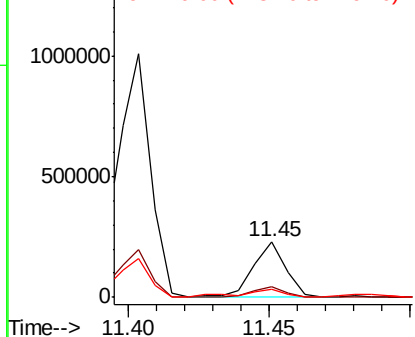
Tot Ion:	178	Resp:	179013
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.1	22.7
179	14.6	12.7	19.1

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 4.505 ng

RT: 11.60 min Scan# 1617

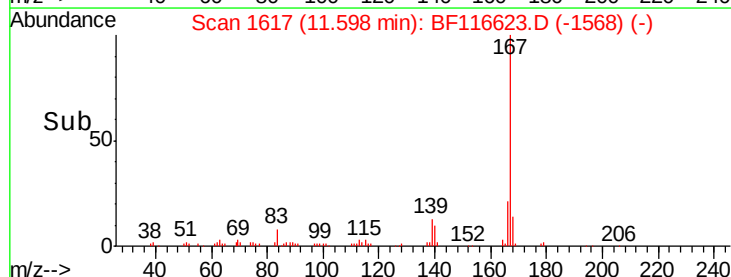
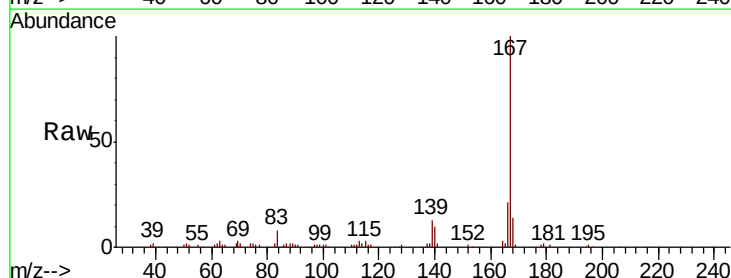
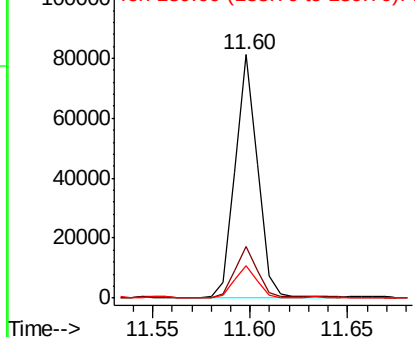
Delta R.T. -0.01 min

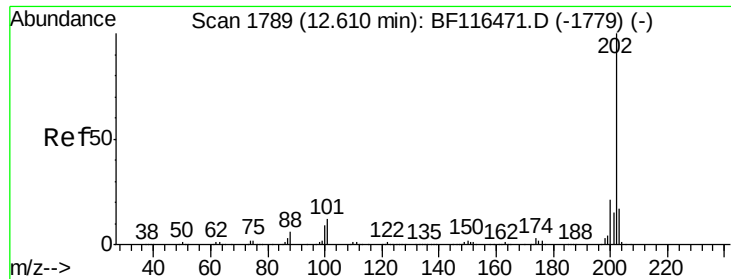
Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Tgt Ion:	167	Resp:	65358
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.9	26.9
139	13.1	10.3	15.5

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 47.500 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Instrument :

BNA_F

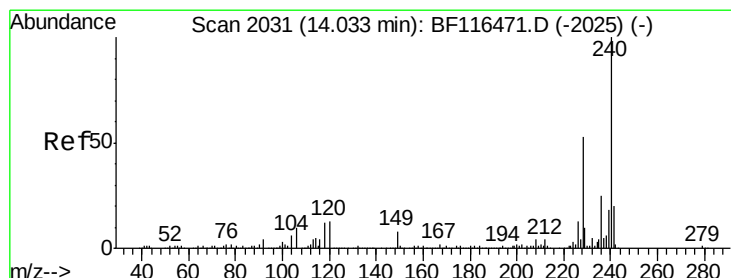
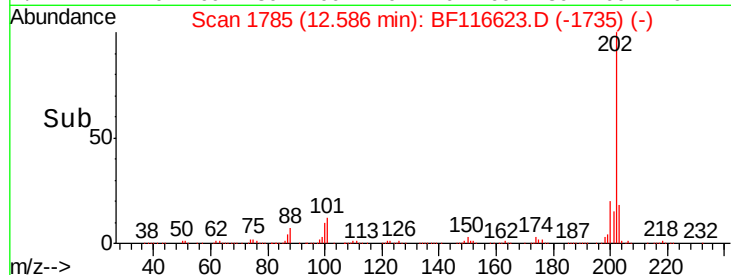
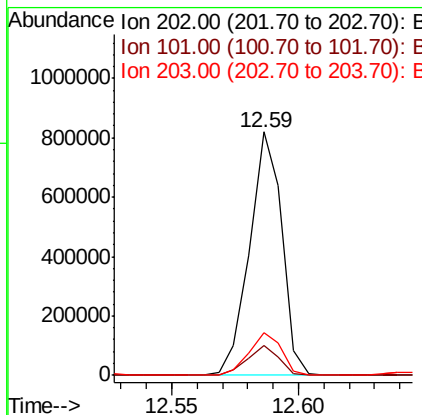
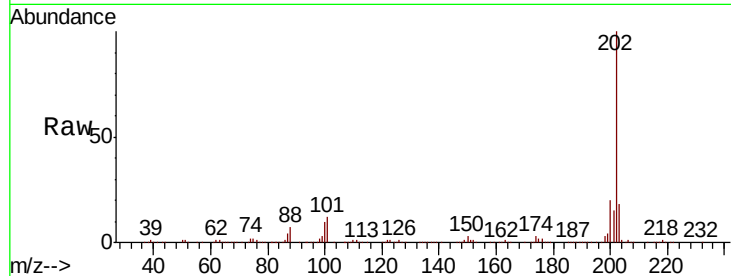
ClientSampled :

SB-19-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	726211		
101	12.4	0.0	31.8	
203	17.6	0.0	37.1	

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#76

Chrysene-d12

Concen: 20.000 ng

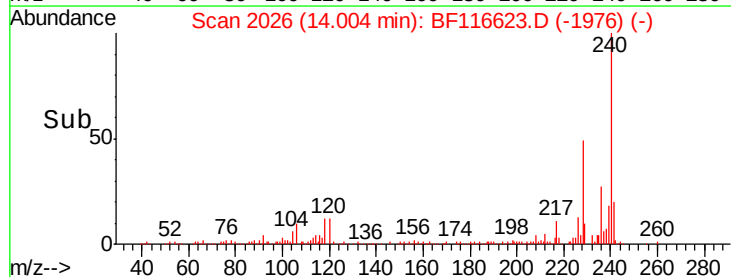
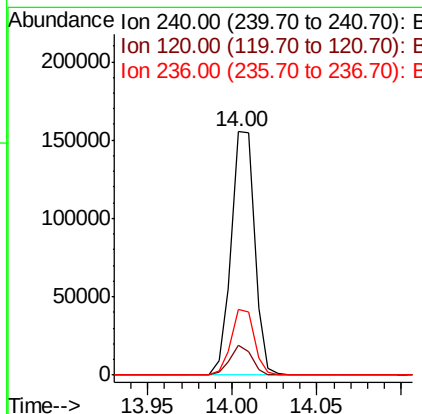
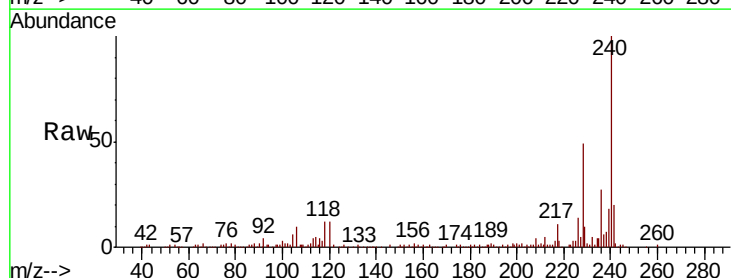
RT: 14.00 min Scan# 2026

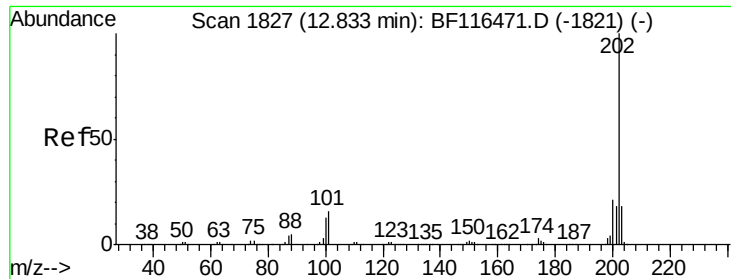
Delta R.T. -0.01 min

Lab File: BF116623.D

Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	149868		
120	12.4	11.3	16.9	
236	27.2	21.4	32.2	





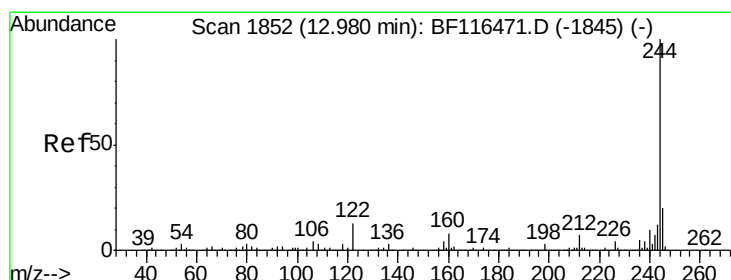
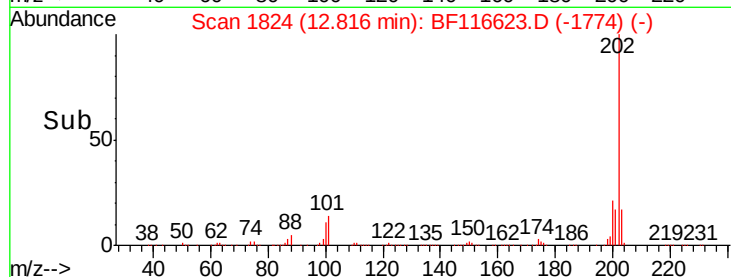
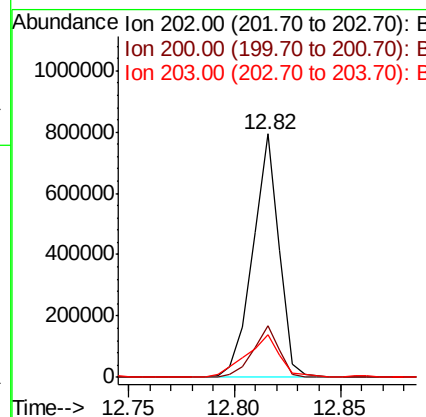
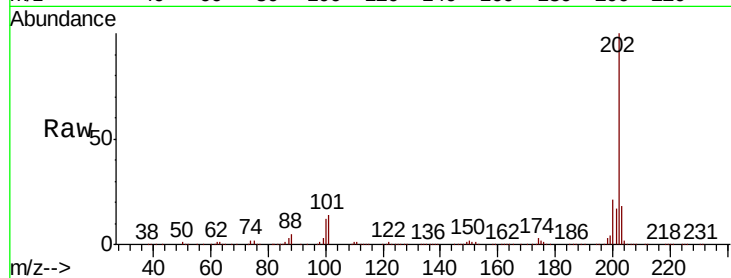
#78
Pvrene
Concen: 49.807 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		686391		
200	21.1	17.4	26.0		
203	17.8	14.2	21.4		

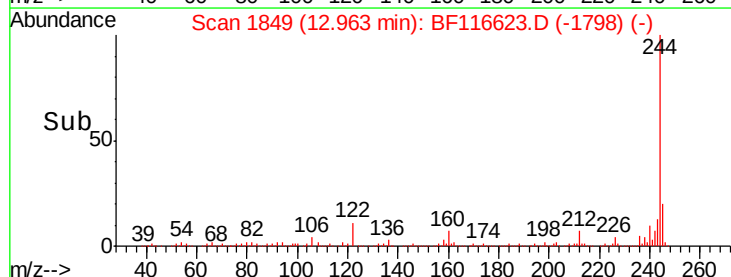
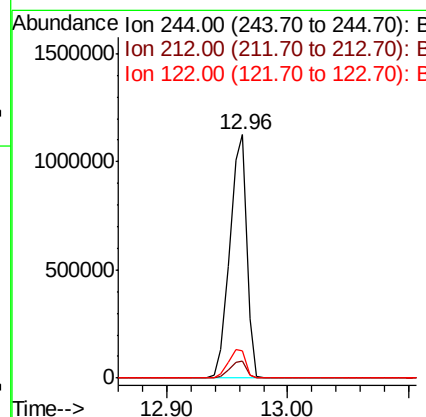
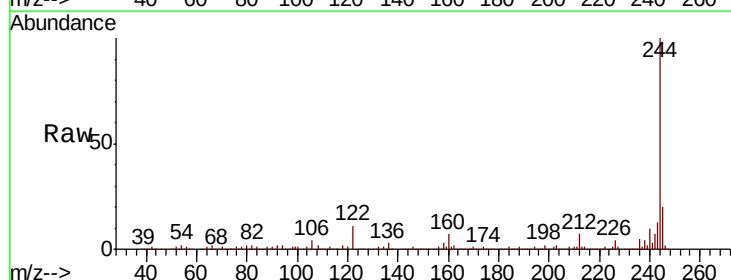
Manual Integrations
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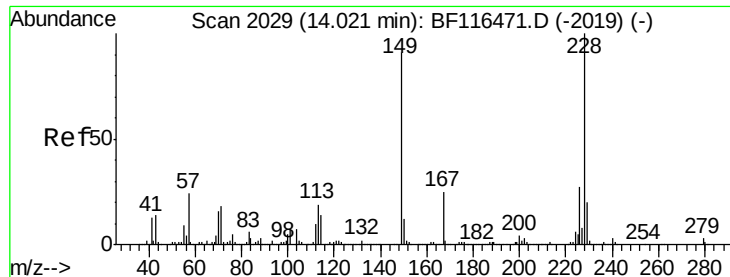
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#79
Terphenyl-d14
Concen: 118.421 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		1091251		
212	7.2	5.9	8.9		
122	11.0	10.0	15.0		





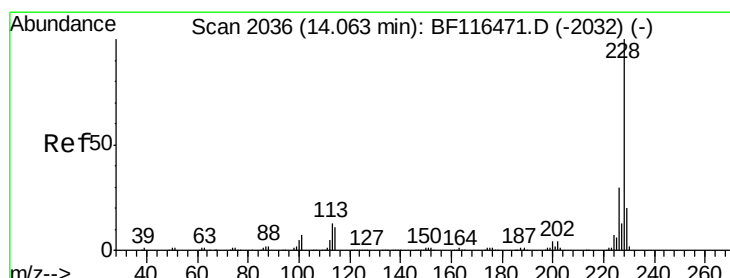
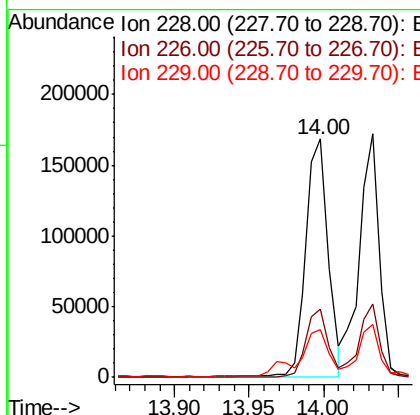
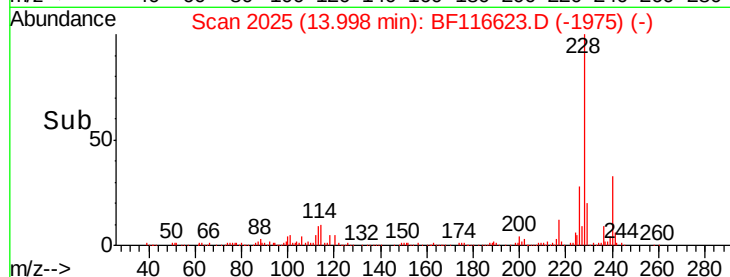
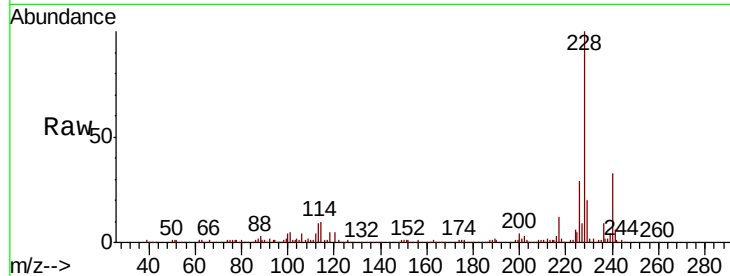
#81
Benzo(a)anthracene
Concen: 17.614 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.5	32.3
229	20.3	15.4	23.0

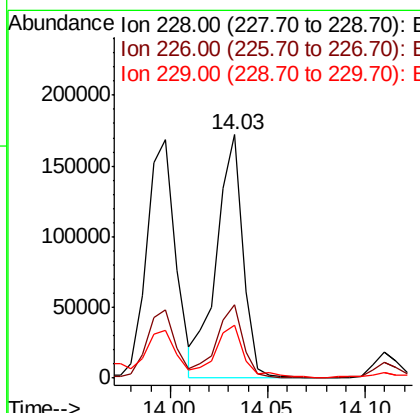
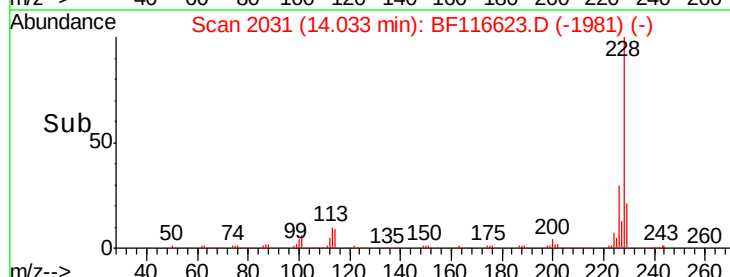
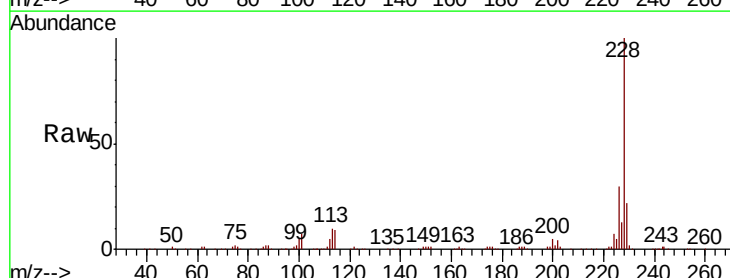
Manual Integrations
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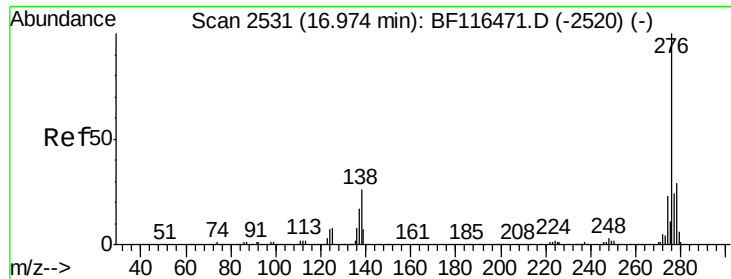
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#83
Chrysene
Concen: 16.707 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.7	15.8	23.8





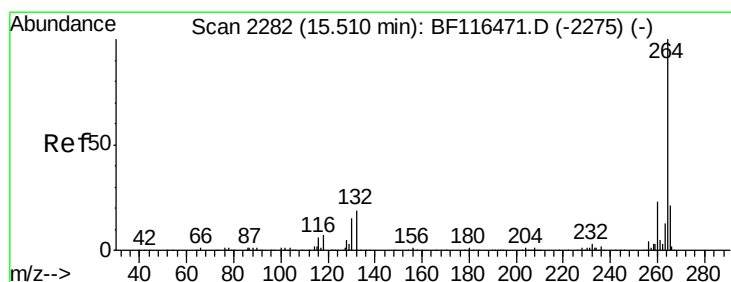
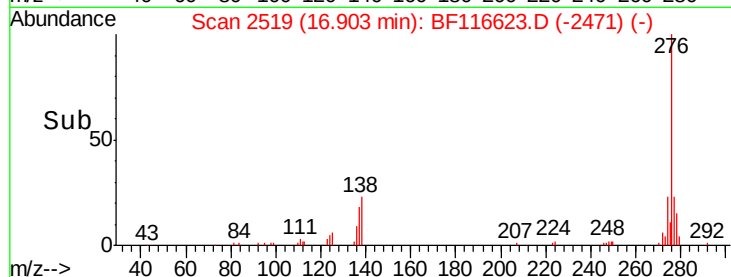
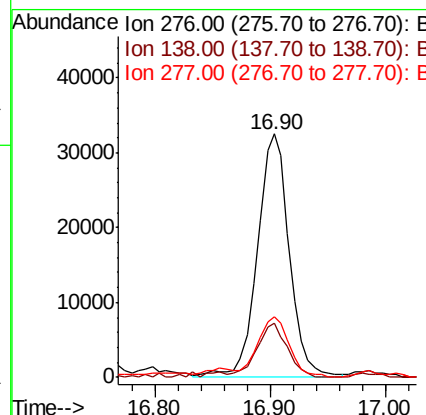
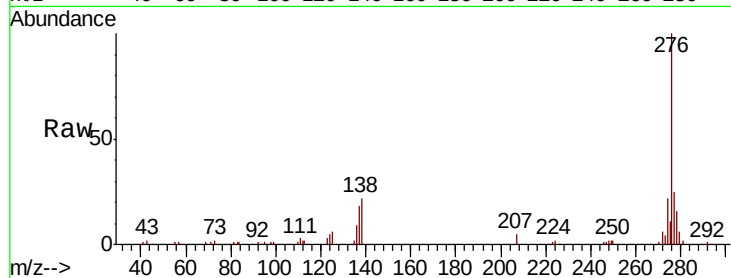
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.492 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF116623.D
 Acq: 28 Aug 2019 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	21.5	32.3
277	24.7	20.0	30.0

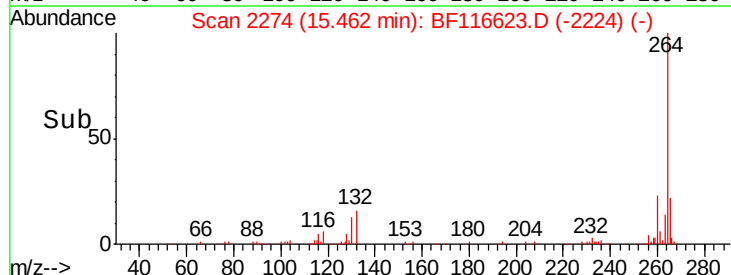
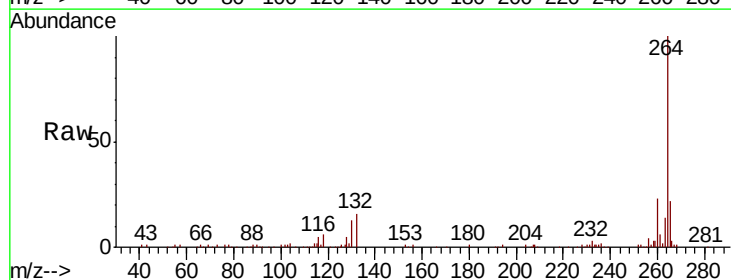
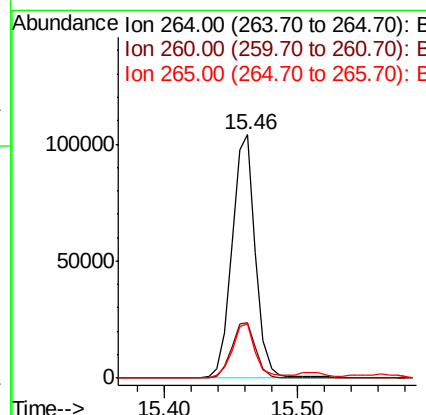
Manual Integrations
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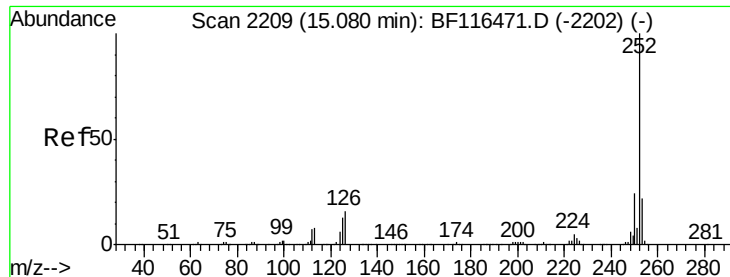
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116623.D
 Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	20.0	30.0
265	22.0	17.6	26.4





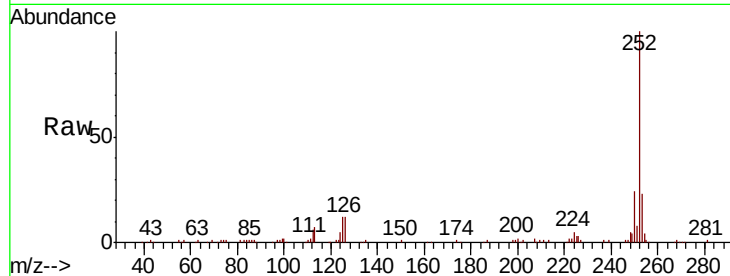
#88
Benzo(b)fluoranthene
Concen: 16.893 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampled :
SB-19-COMP

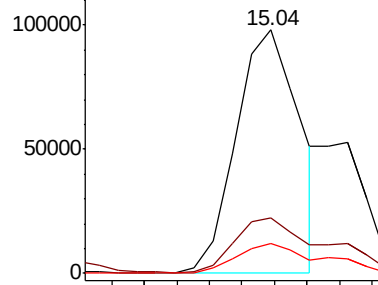
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	12.1	9.0	13.6

Manual Integrations
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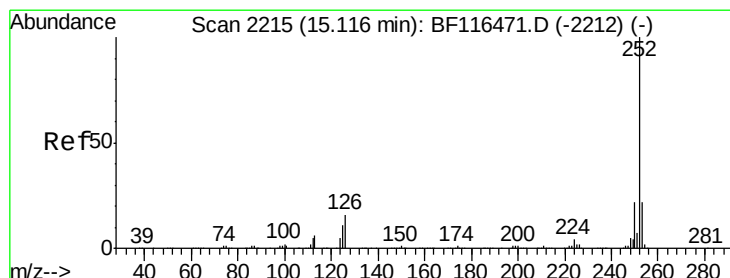
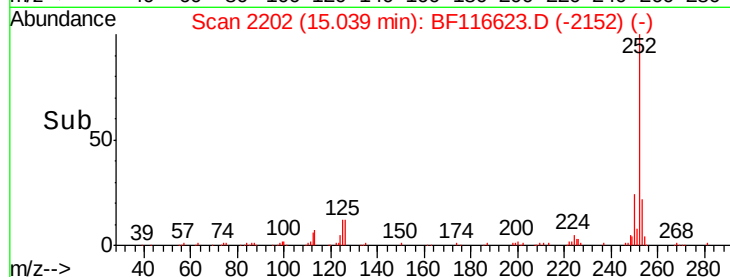
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

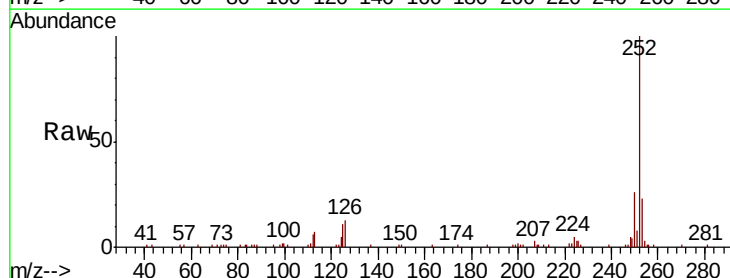


Time-->

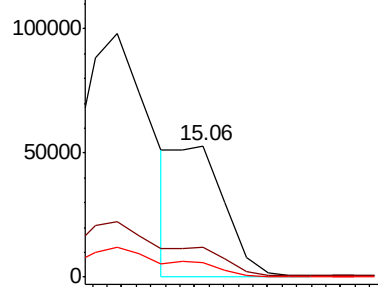


#89
Benzo(k)fluoranthene
Concen: 6.859 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

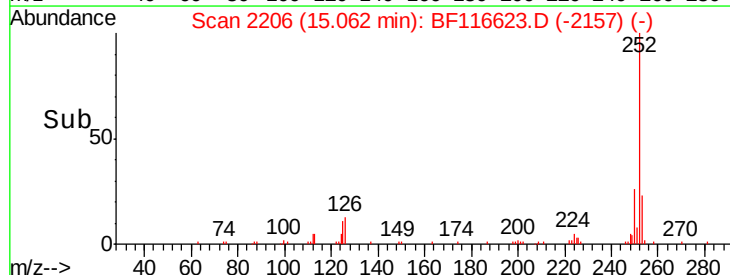
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	10.7	8.6	13.0

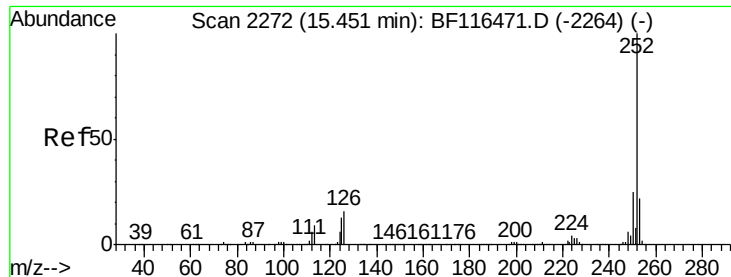


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





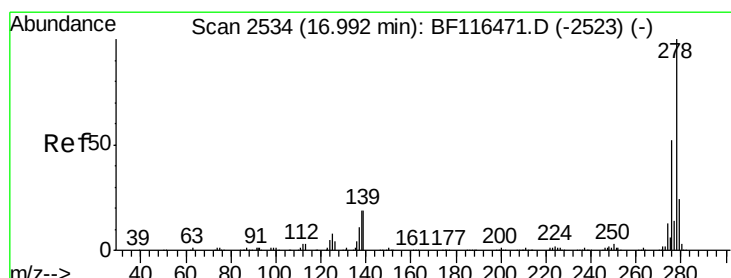
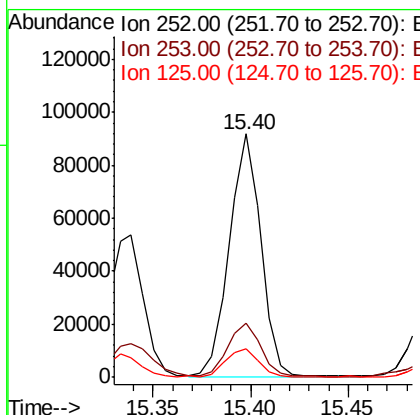
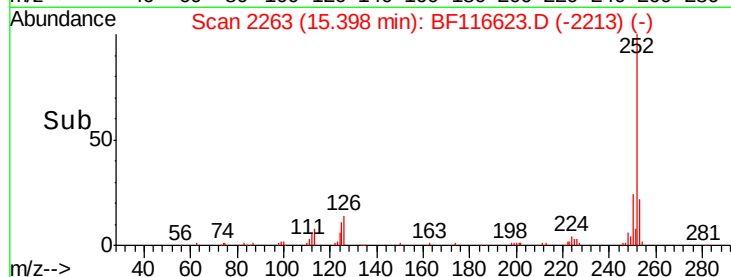
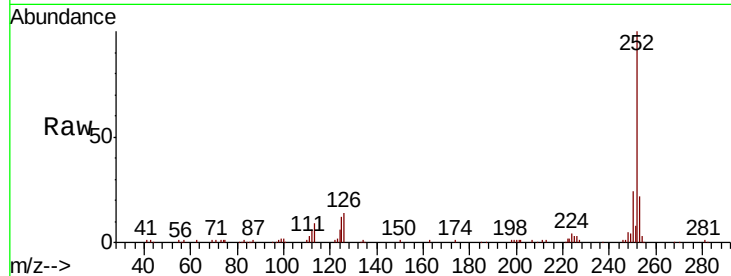
#90
Benzo(a)pyrene
Concen: 14.883 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Instrument :
BNA_F
ClientSampleId :
SB-19-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	11.7	10.6	16.0

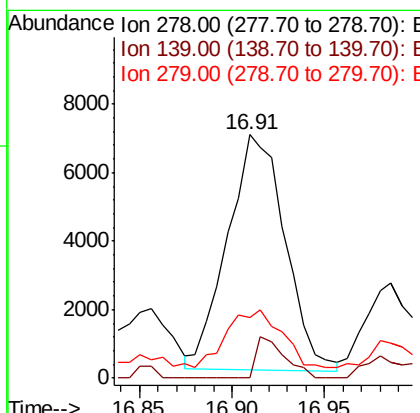
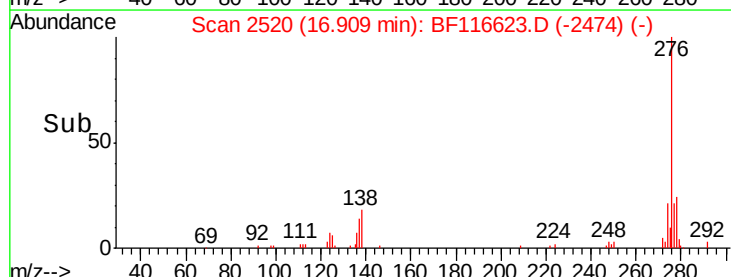
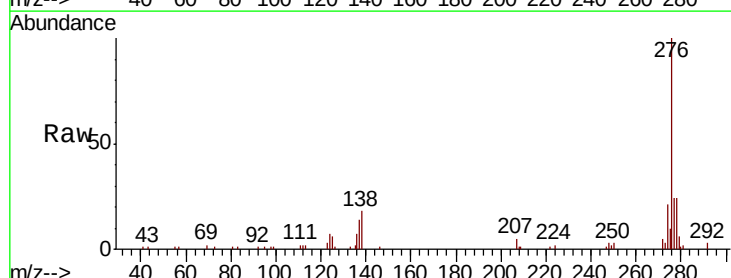
Manual Integrations
APPROVED

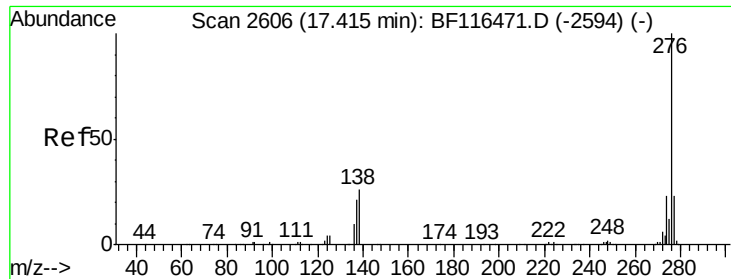
Jagrut
8/29/2019 7:46:58 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.277 ng m
RT: 16.91 min Scan# 2520
Delta R.T. -0.03 min
Lab File: BF116623.D
Acq: 28 Aug 2019 19:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.1	21.1#
279	24.8	19.5	29.3





#92
 Benzo(a,h,i)perylene
 Concen: 9.317 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.02 min
 Lab File: BF116623.D
 Acq: 28 Aug 2019 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-COMP

Tot Ion:	276	Resp:	63291
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.0	28.4
138	20.5	18.2	27.2

Manual Integrations
 APPROVED

Jagrut
 8/29/2019 7:46:58 PM

