

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
 Data File : BF117335.D
 Acq On : 3 Oct 2019 23:45
 Operator : JU
 Sample : K5095-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4

Manual Integrations
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Quant Time: Oct 04 06:36:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	50366	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	190488	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	67875	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	94268	20.00	ng	0.00
76) Chrysene-d12	13.98	240	86526	20.00	ng	0.00
87) Perylene-d12	15.44	264	70188	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	253222	78.49	ng	0.03
7) Phenol-d6	6.47	99	227852	54.65	ng	0.01
23) Nitrobenzene-d5	7.37	82	259617	71.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	65573	115.59	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	412742	95.08	ng	-0.01
79) Terphenyl-d14	12.92	244	377522	81.56	ng	0.00
Target Compounds						
10) Phenol	6.49	94	67328	14.649	ng	Qvalue 96
13) 1,4-Dichlorobenzene	6.83	146	19786	4.965	ng	94
14) 1,2-Dichlorobenzene	6.99	146	41229	11.111	ng	97
17) 2-Methylphenol	7.09	107	21429m	7.347	ng	
20) 3+4-Methylphenols	7.25	107	50091	13.787	ng	# 51
30) 1,2,4-Trichlorobenzene	8.03	180	21074	7.634	ng	99
31) Naphthalene	8.11	128	200028	21.834	ng	99
32) Benzoic acid	7.92	122	41161	25.876	ng	97
37) 2-Methylnaphthalene	8.80	142	24908	4.038	ng	97
38) 1-Methylnaphthalene	8.90	142	15637	2.706	ng	# 92
50) Dimethylphthalate	9.56	163	130481	27.150	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	9490	9.758	ng	# 91
70) Pentachlorophenol	11.16	266	10263	20.793	ng	96
71) Phenanthrene	11.36	178	11290	2.109	ng	# 60
74) Di-n-butylphthalate	11.89	149	38103	6.172	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.94	149	86556	19.569	ng	99
85) Di-n-octyl phthalate	14.56	149	17745	2.549	ng	# 85

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

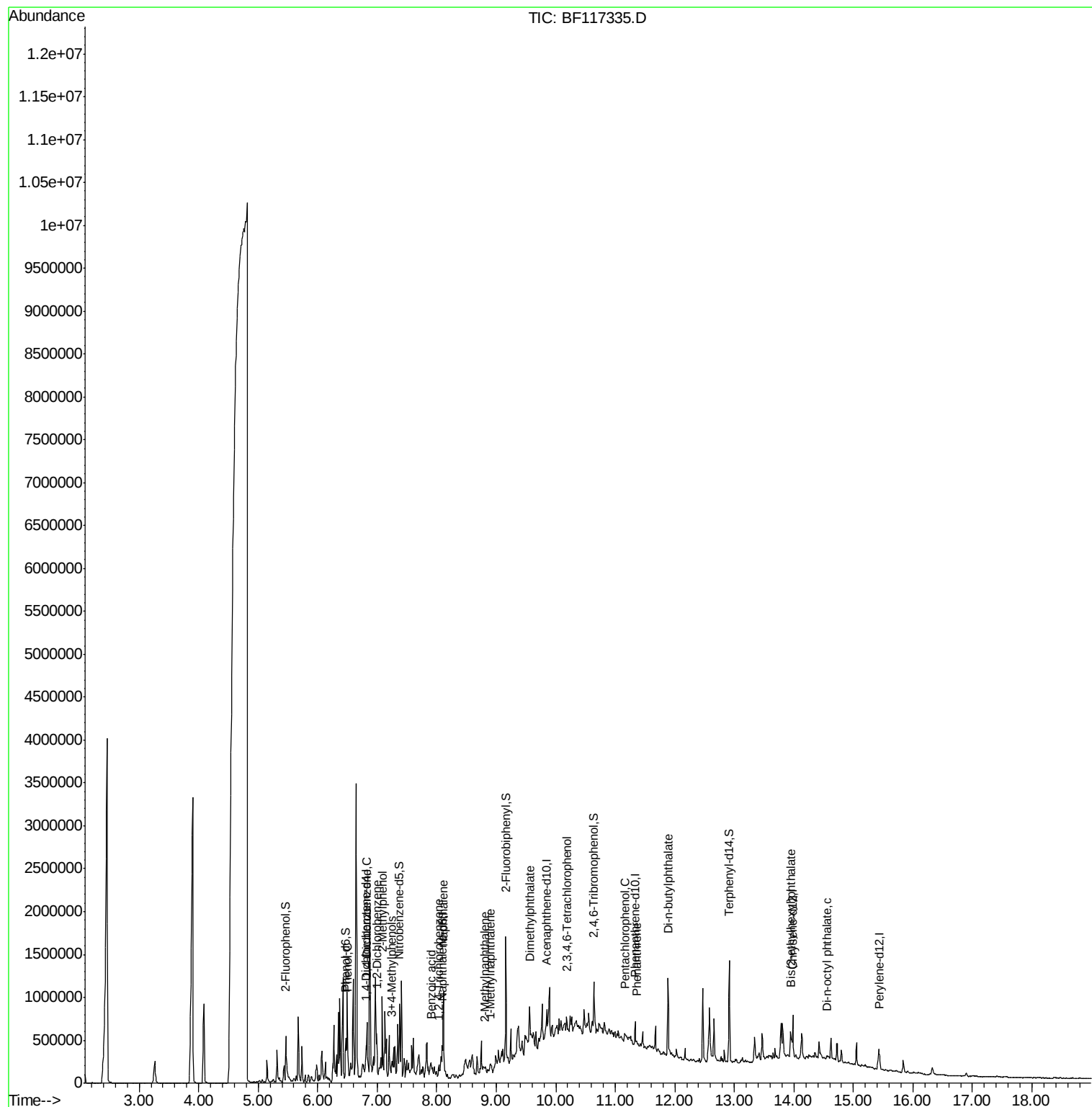
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
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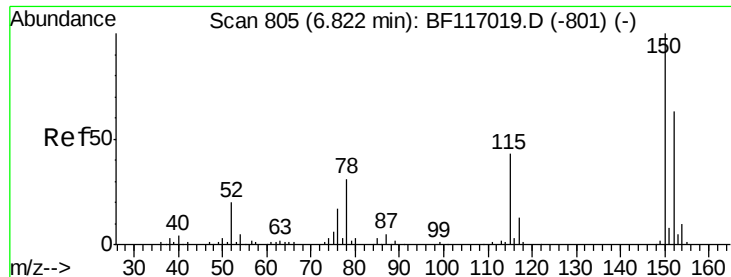
Instrument :
BNA_F
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COMPOSITE-4

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#1

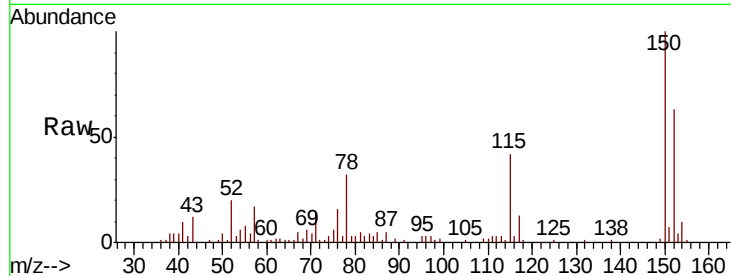
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.5	191.3
115	67.3	55.0	82.4

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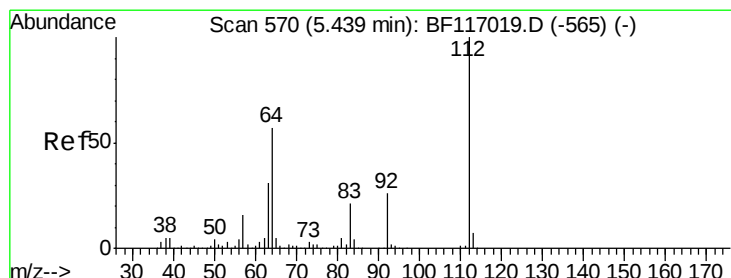
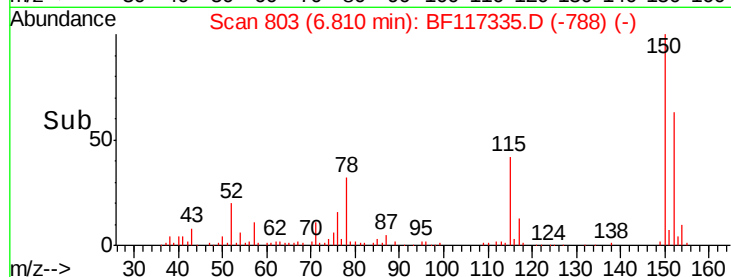
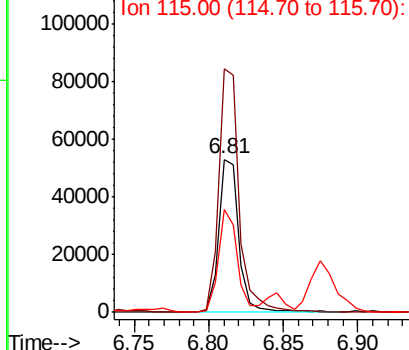


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

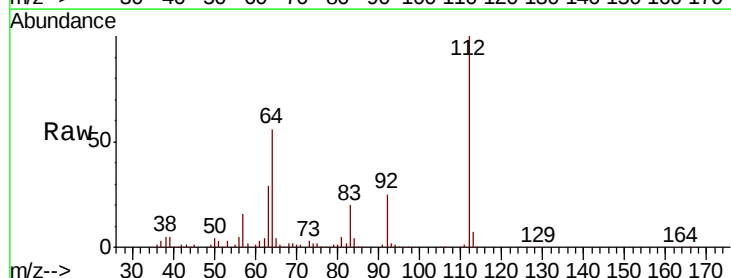
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.494 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.03 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	28.8	24.9	37.3

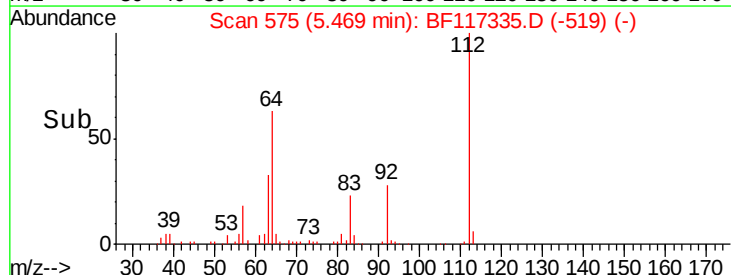
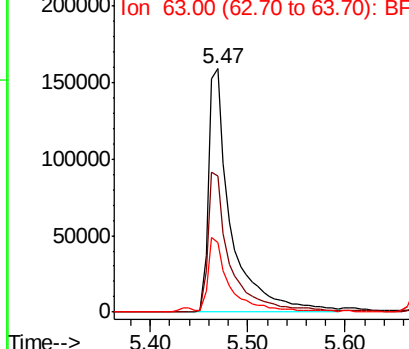


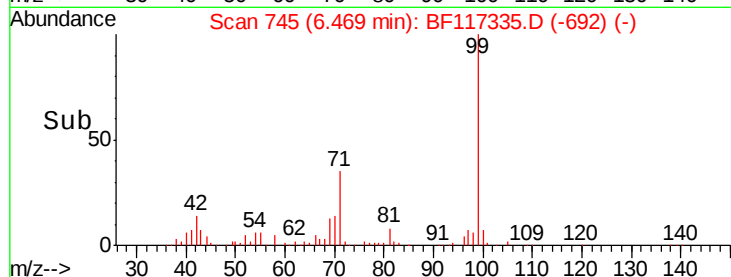
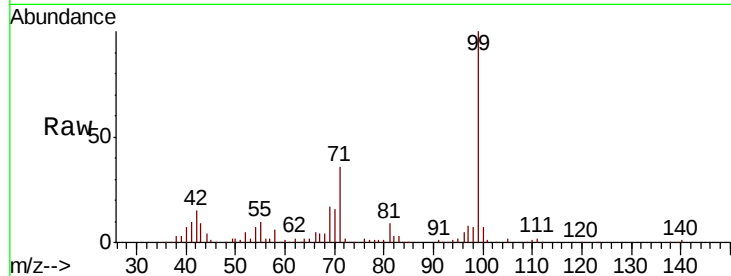
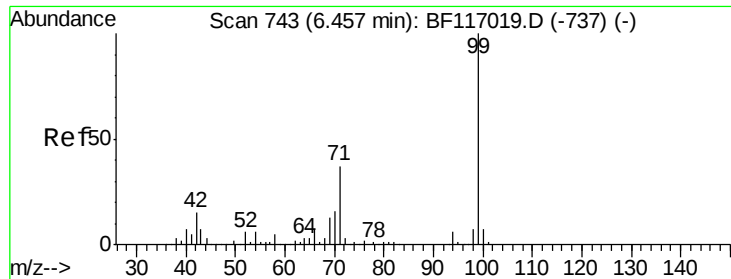
Abundance

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: 54.652 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Tot Ion:	99	Resp:	227852
Ion Ratio	Lower	Upper	
99	100		
42	14.8	12.2	18.2
71	35.5	29.8	44.8

Instrument :

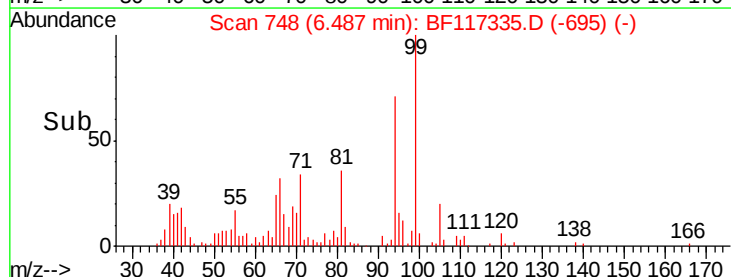
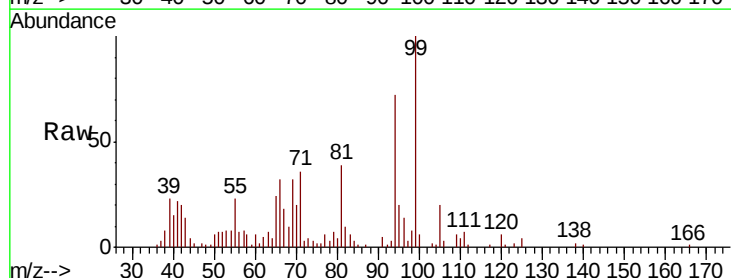
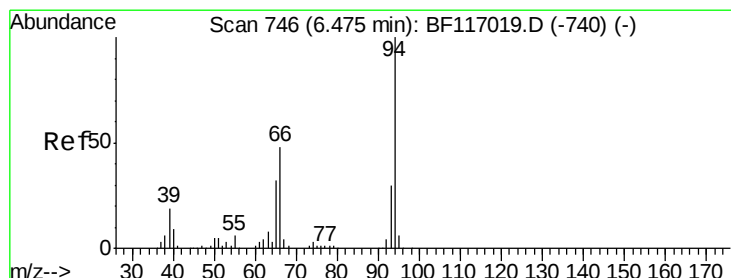
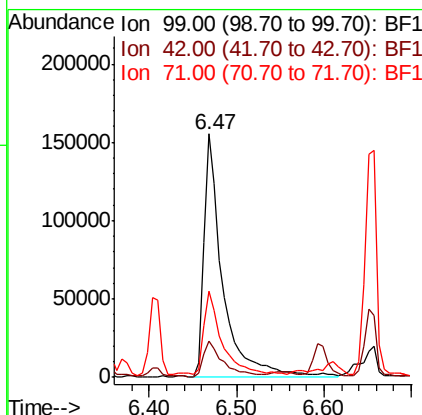
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 14.649 ng

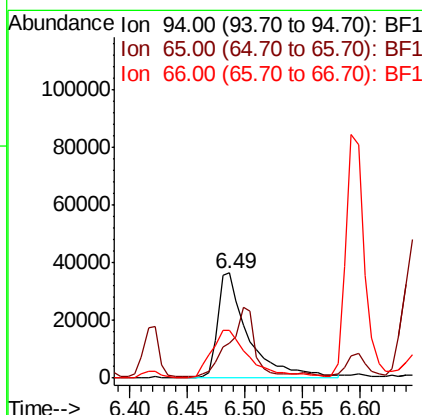
RT: 6.49 min Scan# 748

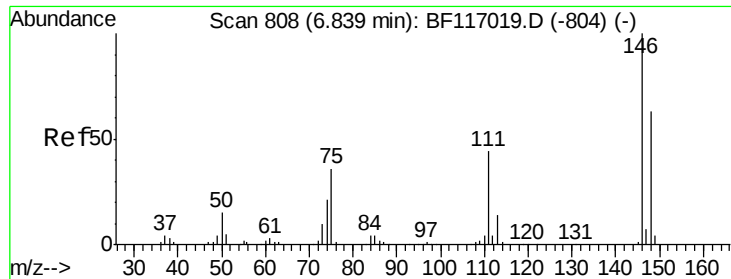
Delta R.T. 0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Tgt Ion:	94	Resp:	67328
Ion Ratio	Lower	Upper	
94	100		
65	33.6	12.5	52.5
66	45.2	28.9	68.9





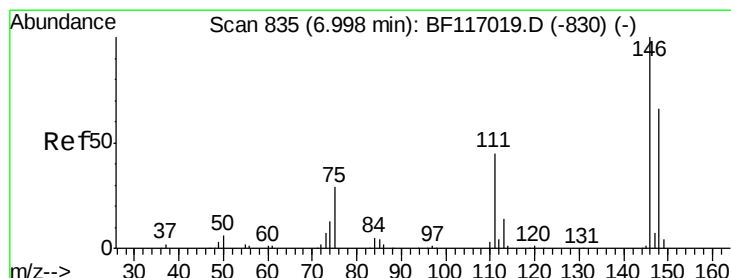
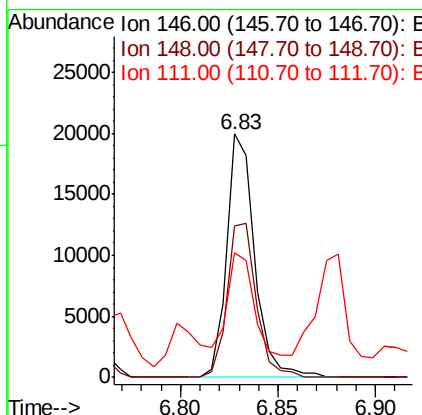
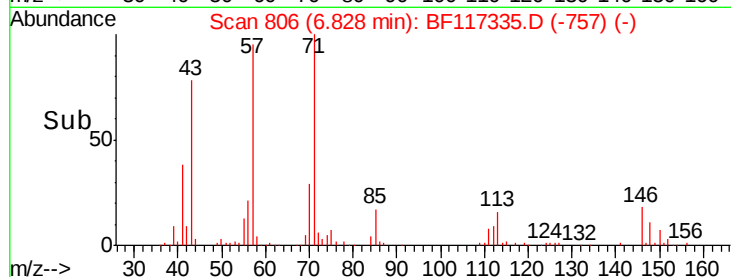
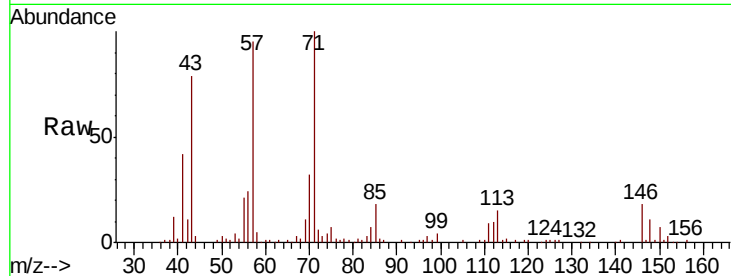
#13
 1,4-Dichlorobenzene
 Concen: 4.965 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.6	76.0
111	51.0	35.0	52.6

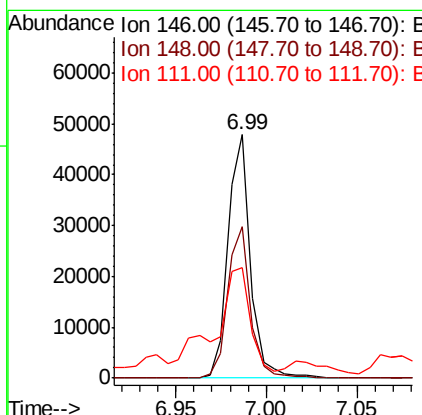
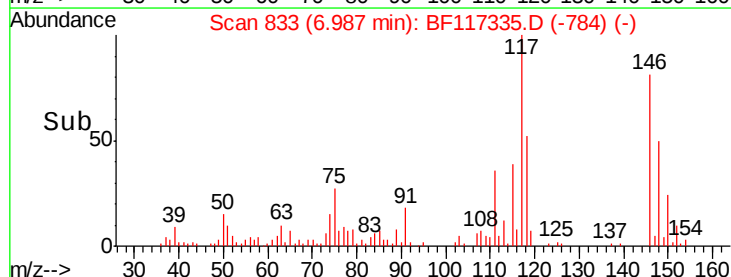
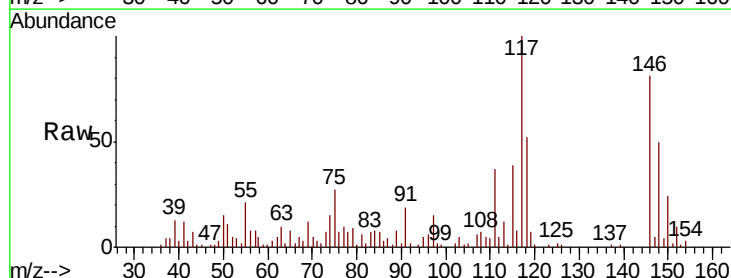
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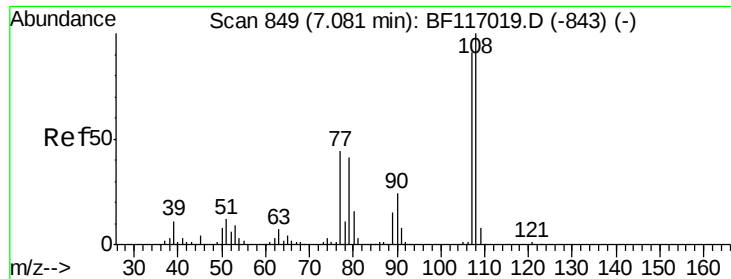
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#14
 1,2-Dichlorobenzene
 Concen: 11.111 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.0	52.6	78.8
111	45.5	36.2	54.2





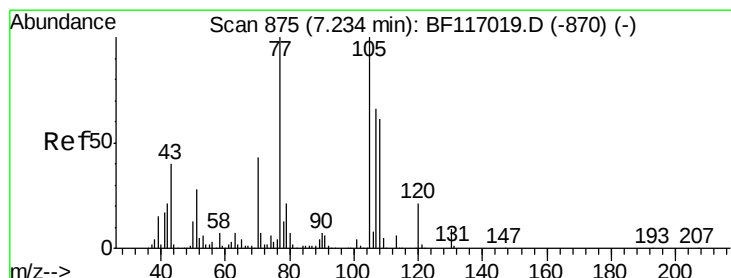
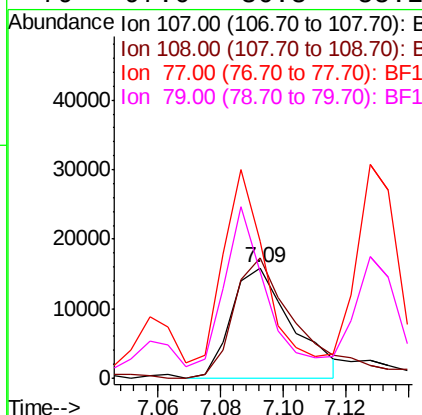
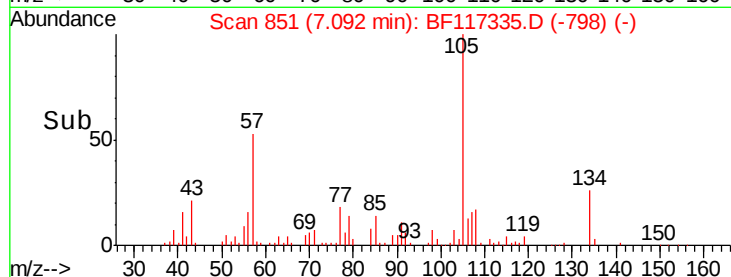
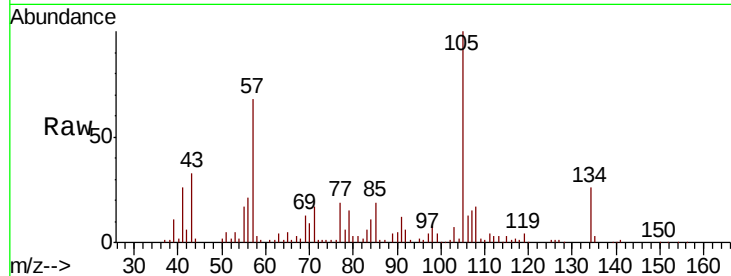
#17
2-Methylphenol
Concen: 7.347 ng m
RT: 7.09 min Scan# 851
Delta R.T. 0.01 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Instrument :
BNA_F
ClientSampled :
COMPOSITE-4

Tot Ion:	107	Resp:	21429
Ion	Ratio	Lower	Upper
107	100		
108	108.8	87.7	131.5
77	124.0	38.6	58.0#
79	97.0	36.8	55.2#

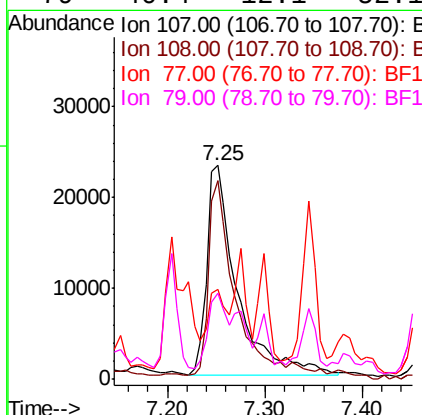
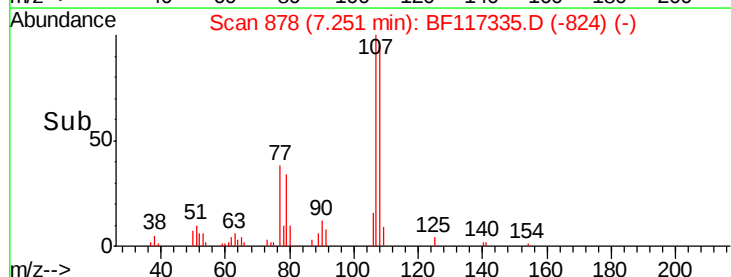
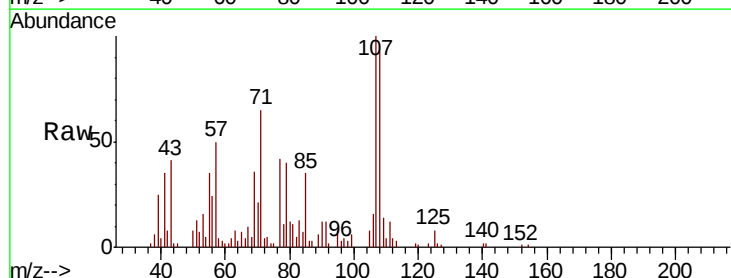
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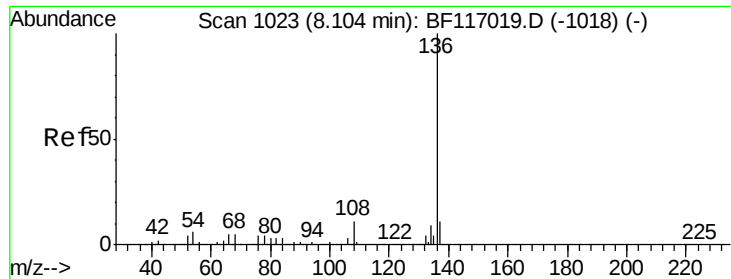
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#20
3+4-Methylphenols
Concen: 13.787 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.02 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Tgt Ion:	107	Resp:	50091
Ion	Ratio	Lower	Upper
107	100		
108	92.9	72.6	112.6
77	42.1	132.1	172.1#
79	40.4	12.1	52.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA_F

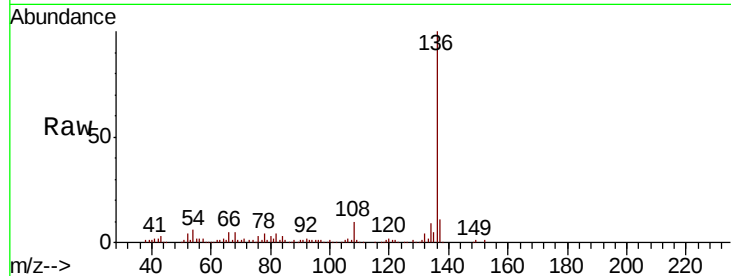
ClientSampleId :

COMPOSITE-4

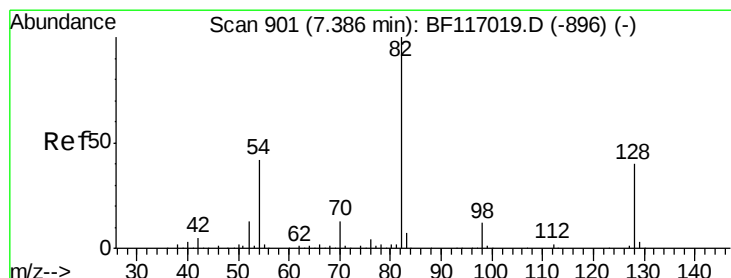
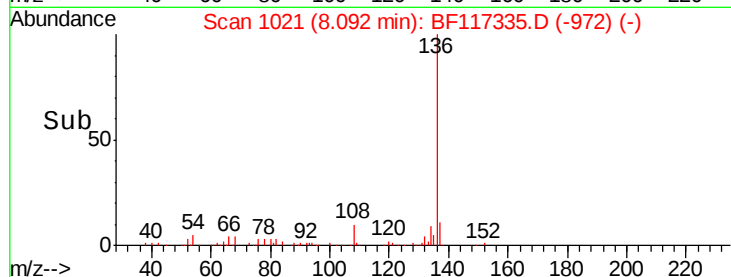
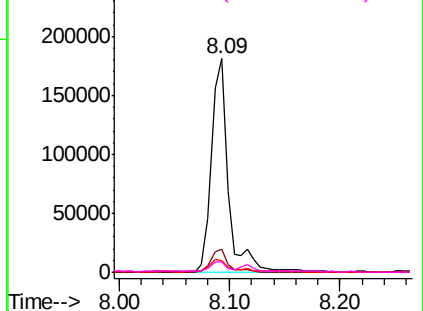
Tot Ion	Ratio	Resp	Lower	Upper
136	100	190488		
137	11.1	9.0	13.4	
54	5.6	4.5	6.7	
68	4.8	4.0	6.0	

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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): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 71.610 ng

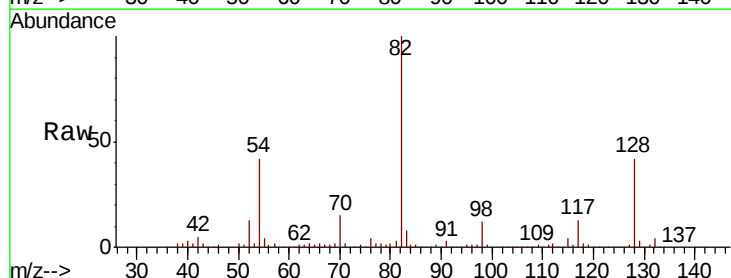
RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

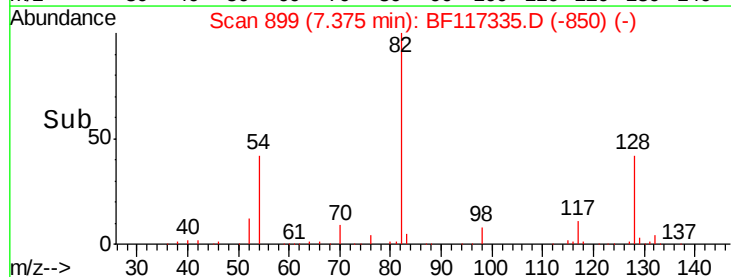
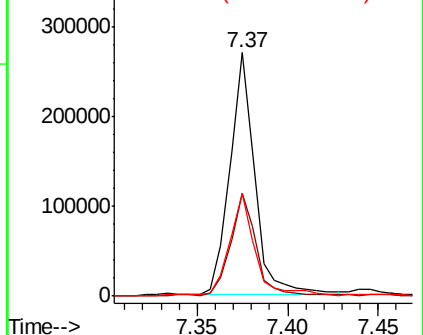
Lab File: BF117335.D

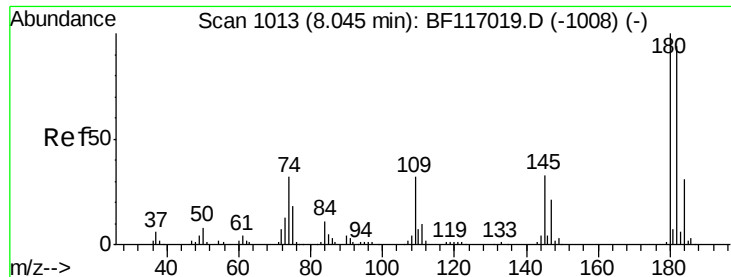
Acq: 3 Oct 2019 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	259617		
128	42.0	32.3	48.5	
54	42.3	33.3	49.9	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





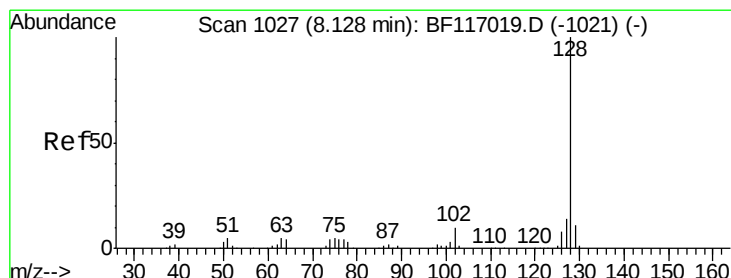
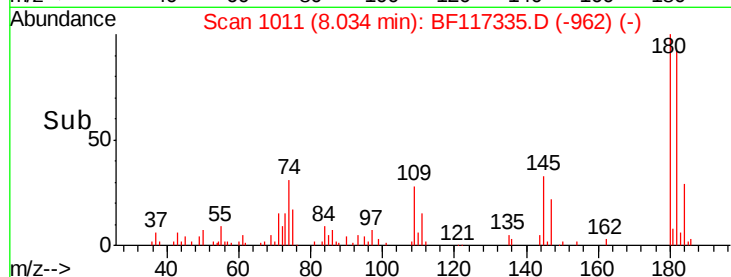
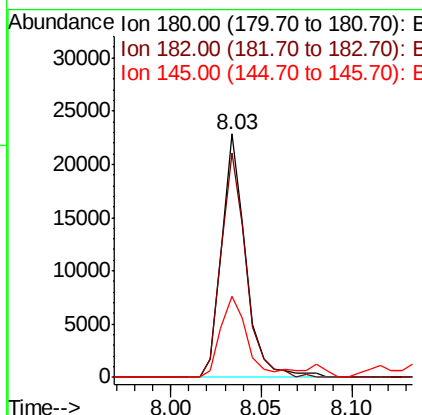
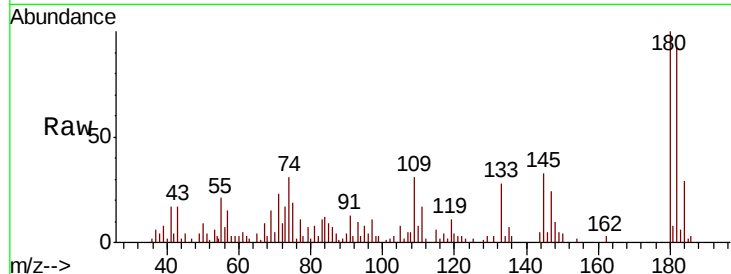
#30
 1,2,4-Trichlorobenzene
 Concen: 7.634 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4

Tot Ion:	180	Resp:	21074
Ion Ratio	Lower	Upper	
180	100		
182	92.4	75.4	113.0
145	33.3	26.7	40.1

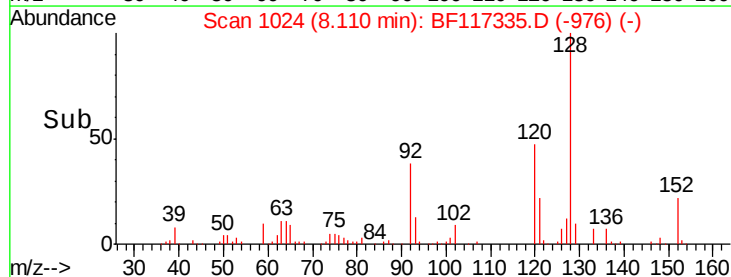
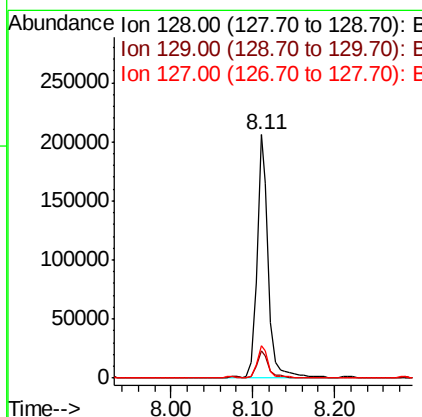
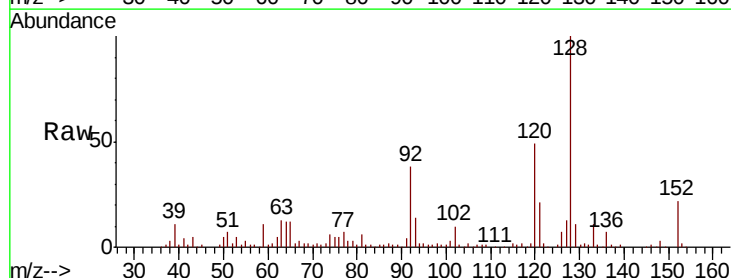
Manual Integrations
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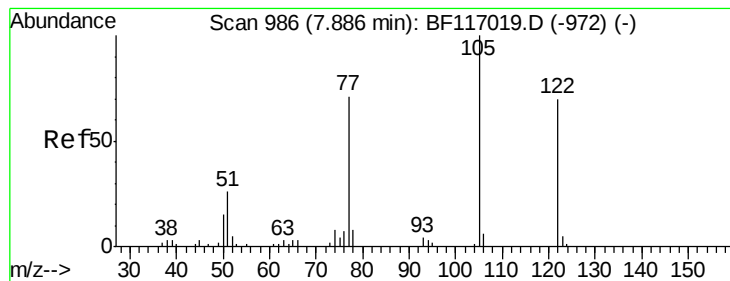
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#31
 Naphthalene
 Concen: 21.834 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. -0.02 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Tgt Ion:	128	Resp:	200028
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.0	13.4
127	13.2	10.8	16.2





#32

Benzoic acid

Concen: 25.876 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.03 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA_F

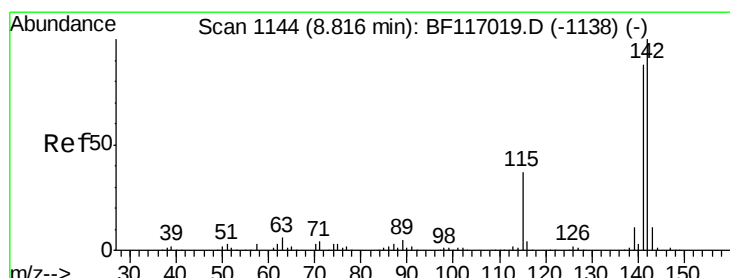
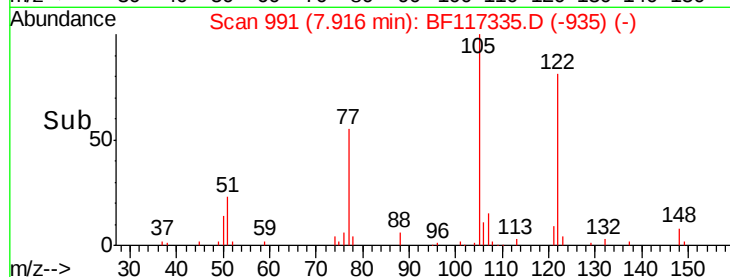
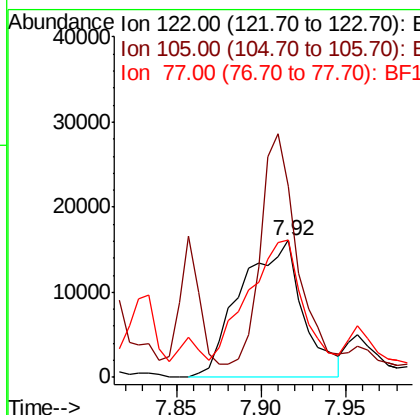
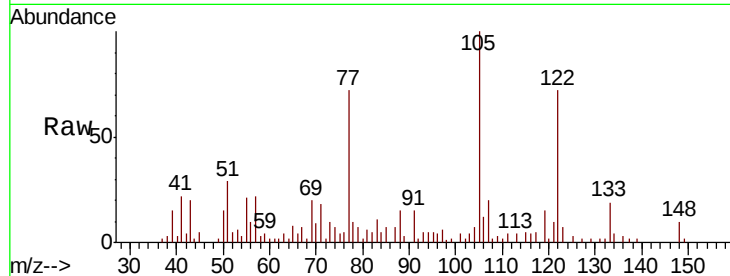
ClientSampleId :

COMPOSITE-4

Tot Ion:	122	Resp:	41161
Ion Ratio	Lower	Upper	
122	100		
105	139.5	114.8	154.8
77	100.4	78.7	118.7

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#37

2-Methylnaphthalene

Concen: 4.038 ng

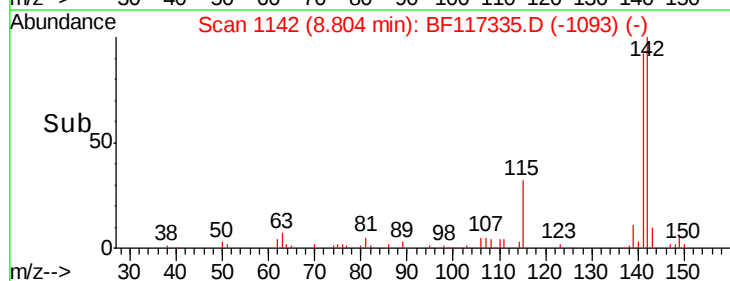
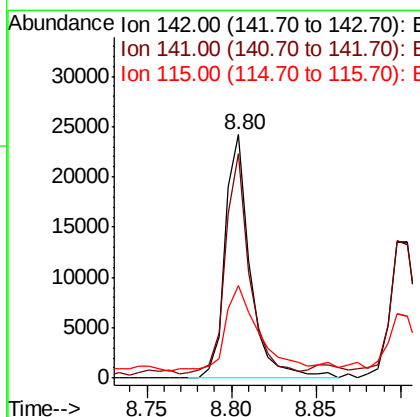
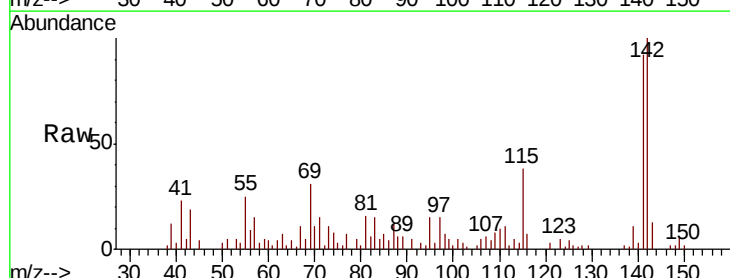
RT: 8.80 min Scan# 1142

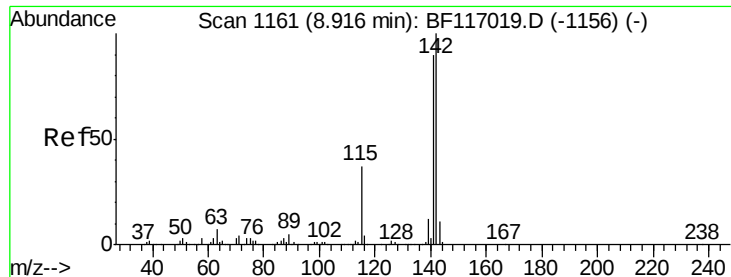
Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Tgt Ion:	142	Resp:	24908
Ion Ratio	Lower	Upper	
142	100		
141	91.9	70.7	106.1
115	38.0	29.4	44.0





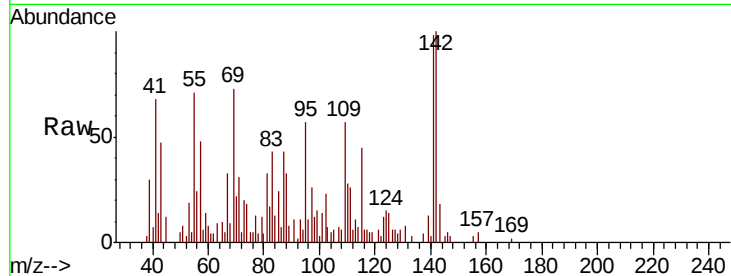
#38
1-Methylnaphthalene
Concen: 2.706 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	97.9	71.9	107.9
116	6.3	3.2	4.8

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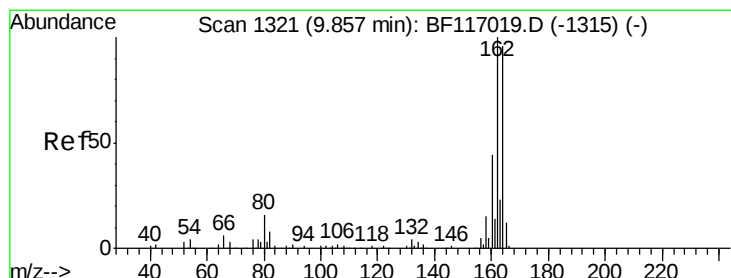
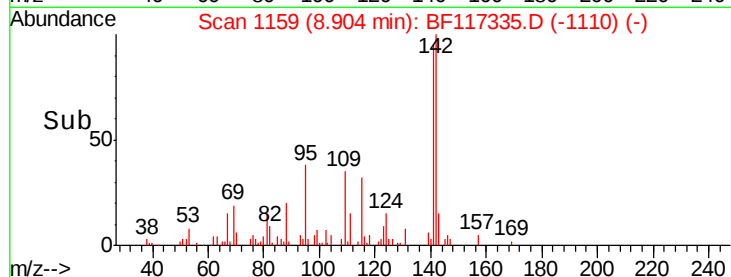
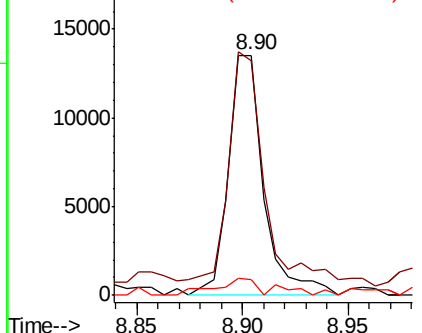


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

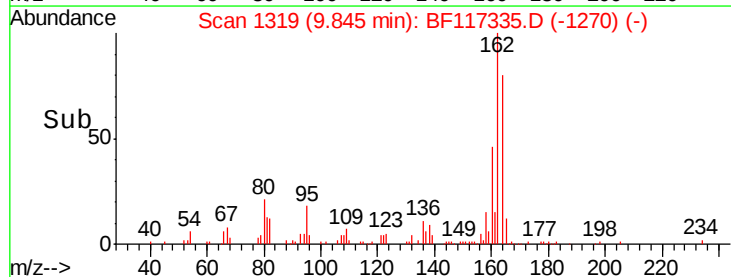
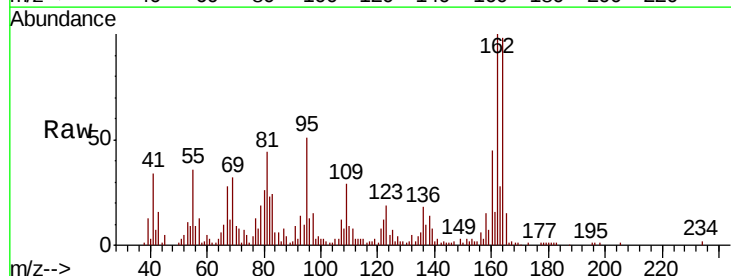
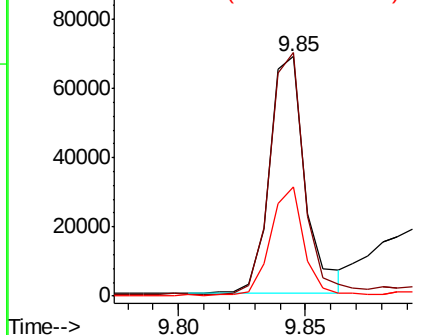
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.4	125.2
160	45.8	36.4	54.6

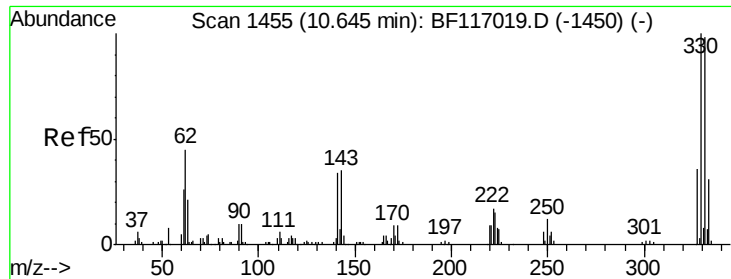
Abundance

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





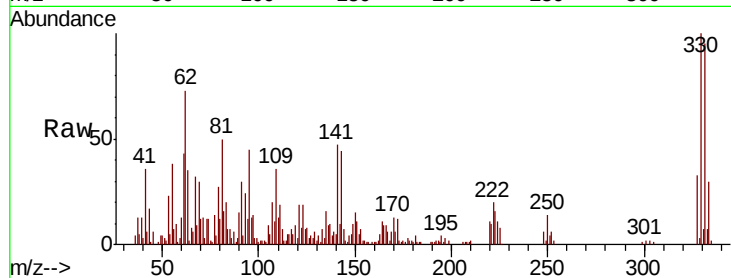
#42
 2,4,6-Tribromophenol
 Concen: 115.592 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.0	117.0
141	43.0	35.8	53.6

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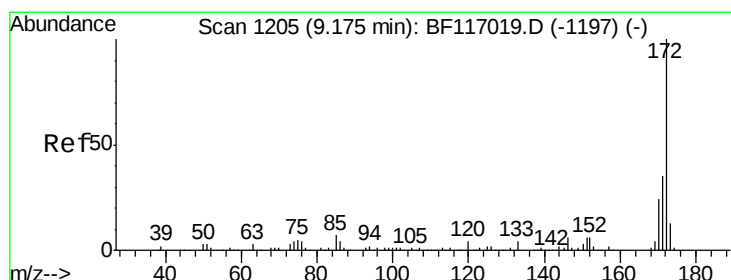
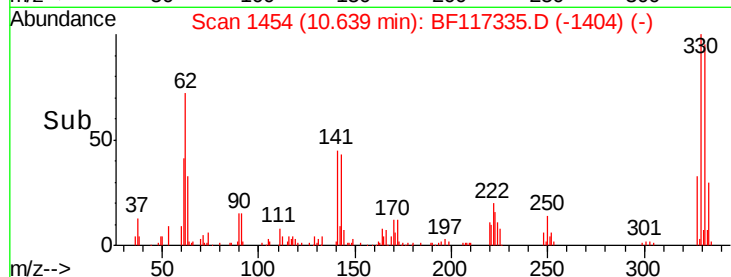
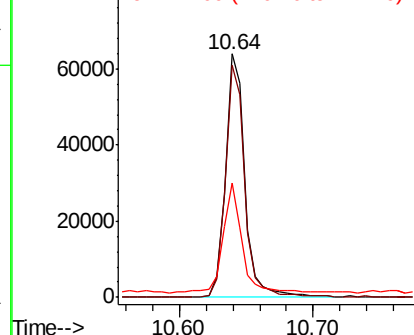


Abundance

Ion 329.80 (329.50 to 330.50): E

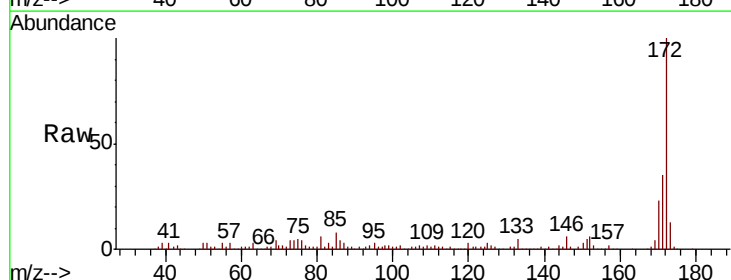
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.080 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	22.9	18.9	28.3

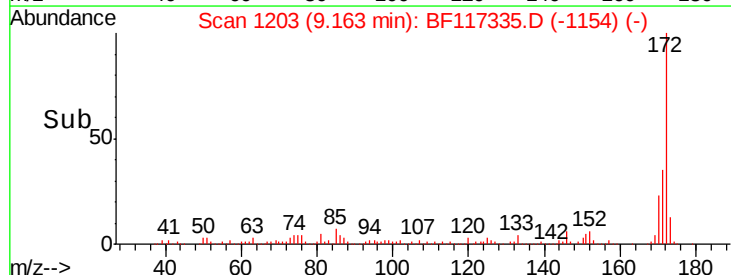
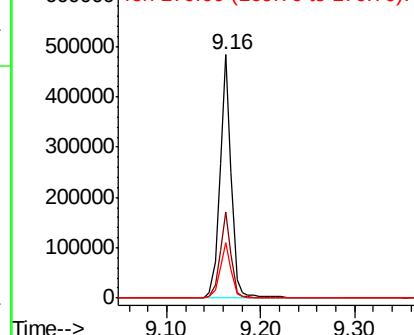


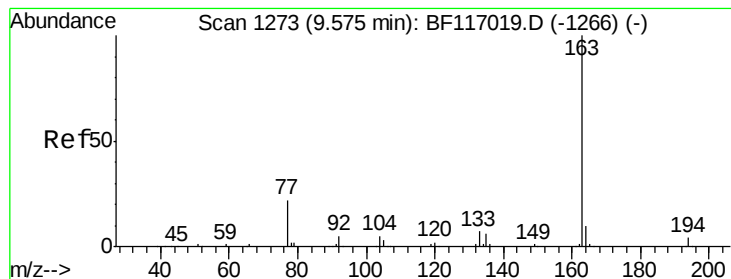
Abundance

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: 27.150 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA_F

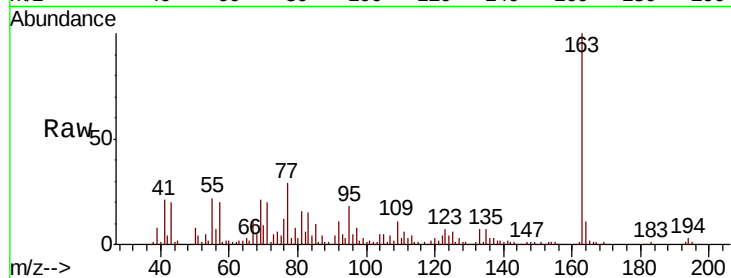
ClientSampleId :

COMPOSITE-4

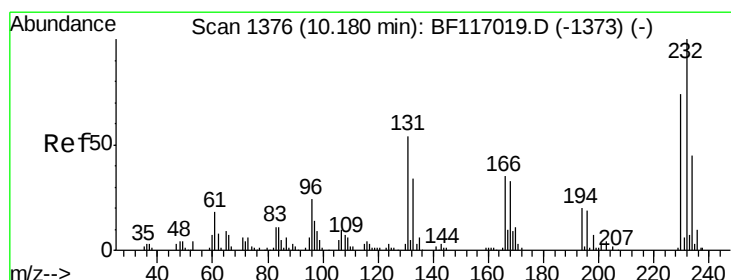
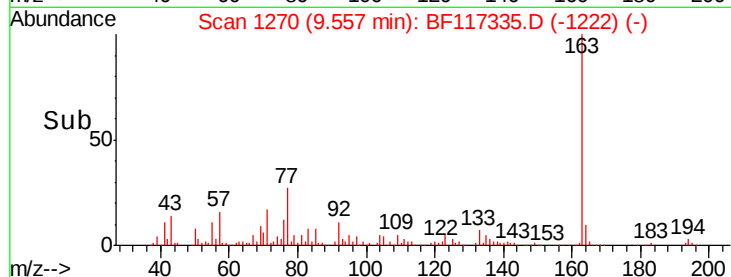
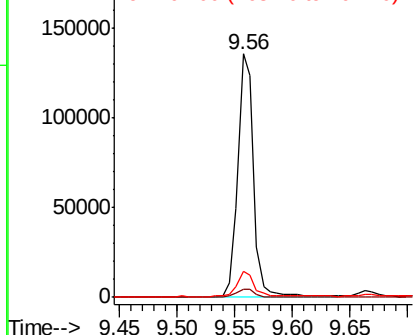
Tot Ion:	163	Resp:	130481
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.9	4.3
164	10.6	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#59

2,3,4,6-Tetrachlorophenol

Concen: 9.758 ng

RT: 10.18 min Scan# 1376

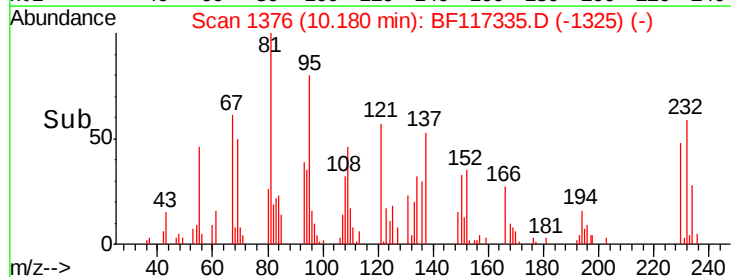
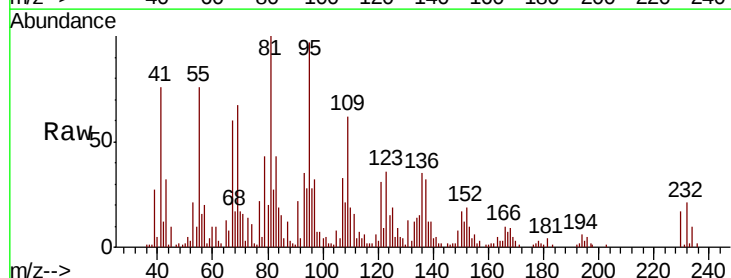
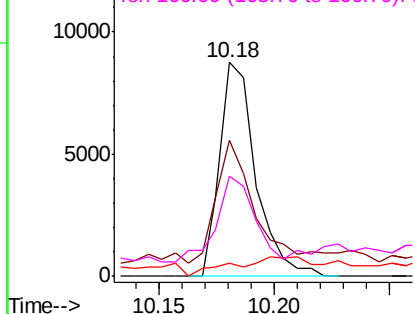
Delta R.T. 0.00 min

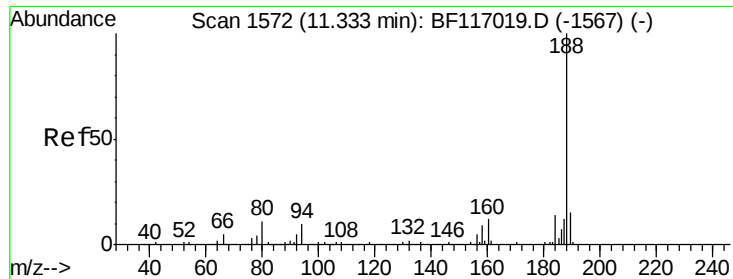
Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Tgt Ion:	232	Resp:	9490
Ion Ratio	Lower	Upper	
232	100		
131	62.0	45.3	67.9
130	19.9	1.8	2.8#
166	42.4	29.4	44.2

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





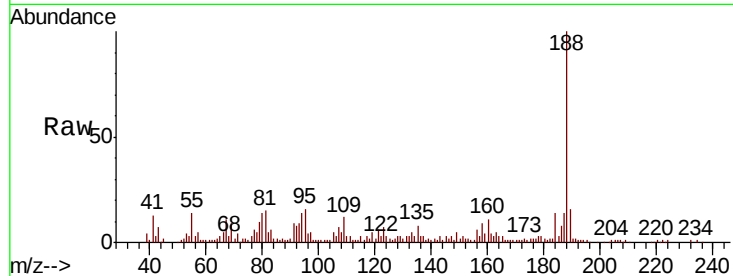
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-4

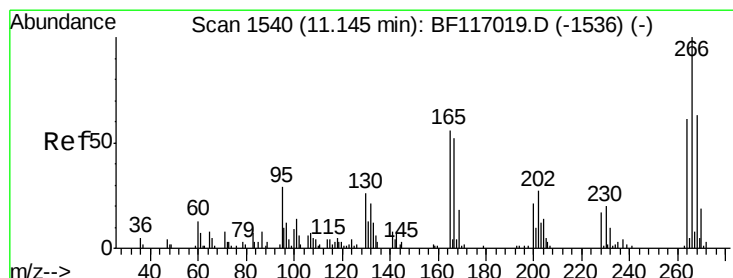
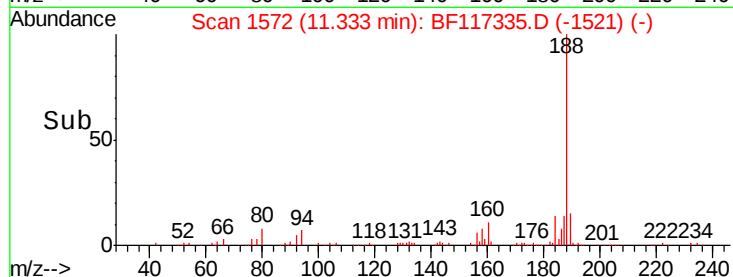
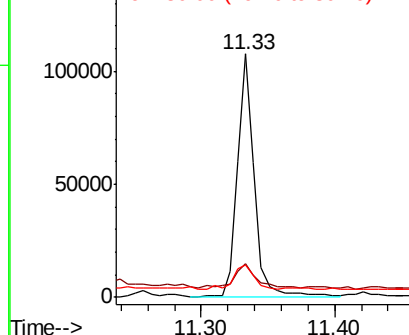
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	14.1	8.2	12.2	
80	13.5	9.0	13.6	

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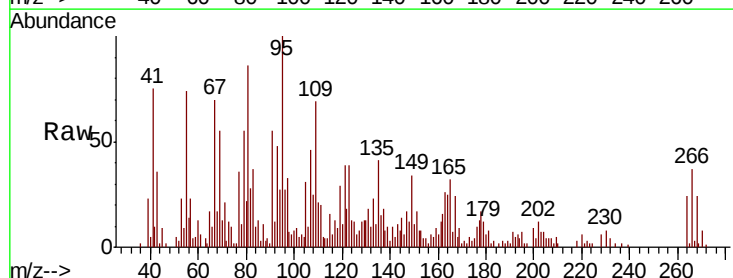


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

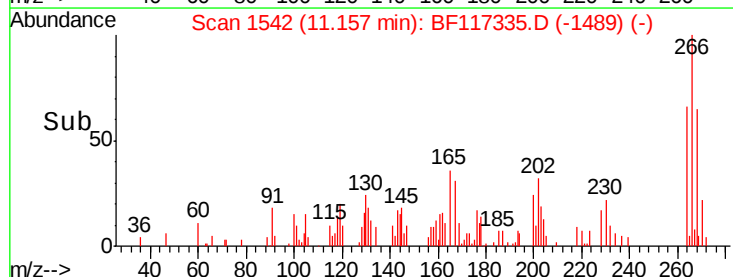
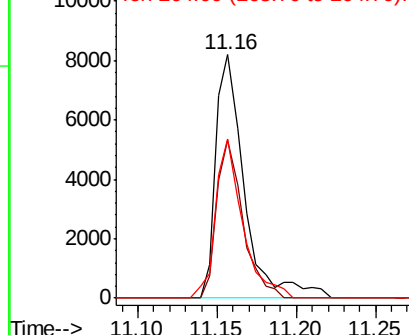


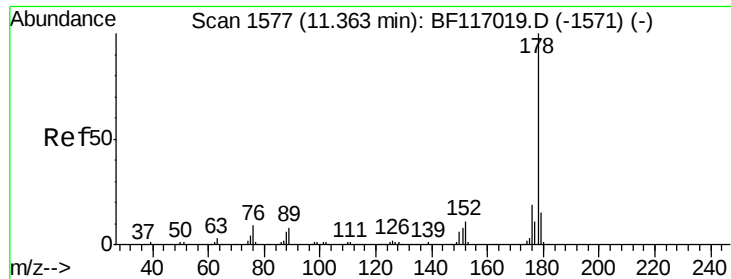
#70
Pentachlorophenol
Concen: 20.793 ng
RT: 11.16 min Scan# 1542
Delta R.T. 0.01 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	64.8	50.5	75.7	
264	65.6	48.8	73.2	



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





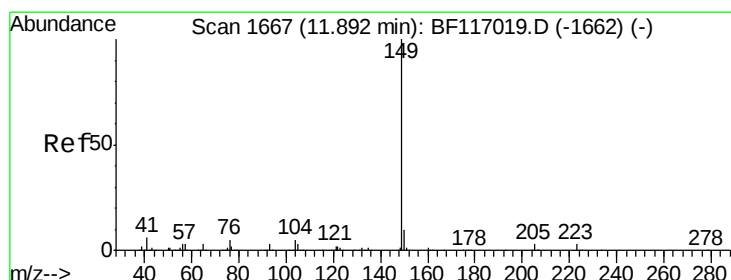
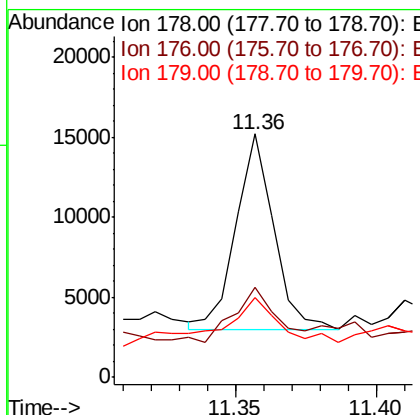
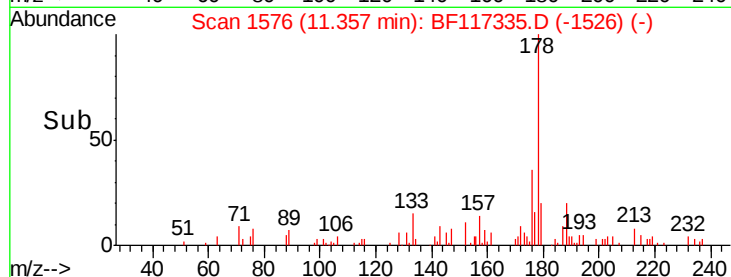
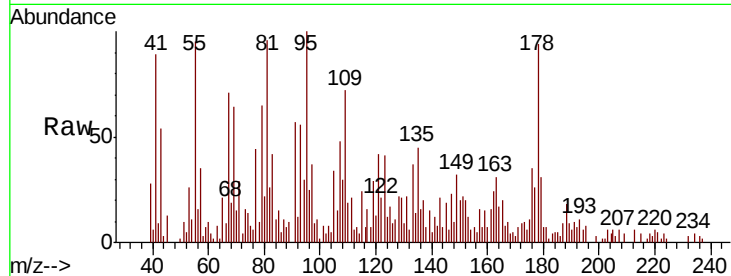
#71
Phenanthrene
Concen: 2.109 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	36.9	15.4	23.2#
179	32.8	12.4	18.6#

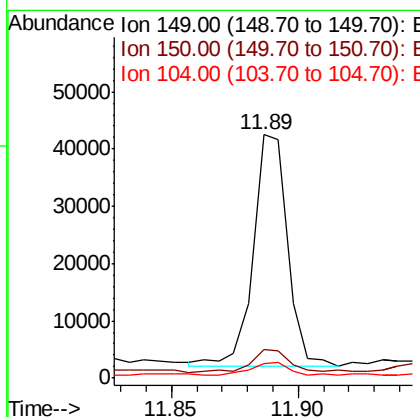
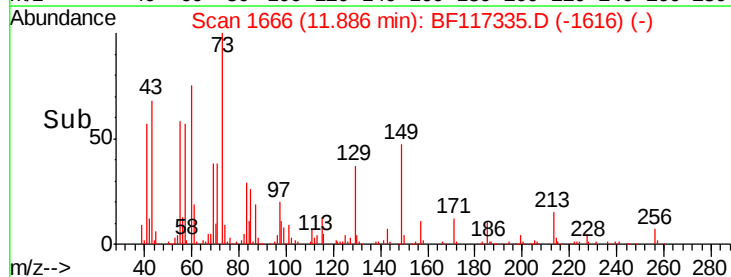
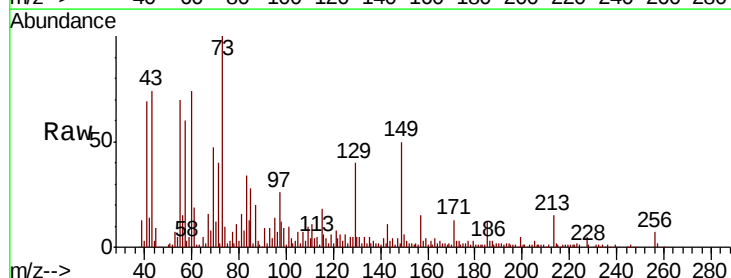
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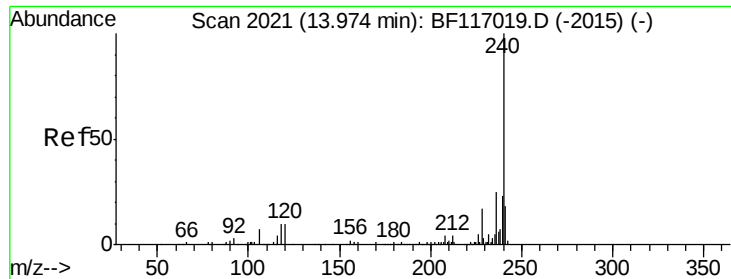
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#74
Di-n-butylphthalate
Concen: 6.172 ng
RT: 11.89 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.9	7.7	11.5#
104	5.8	4.2	6.4





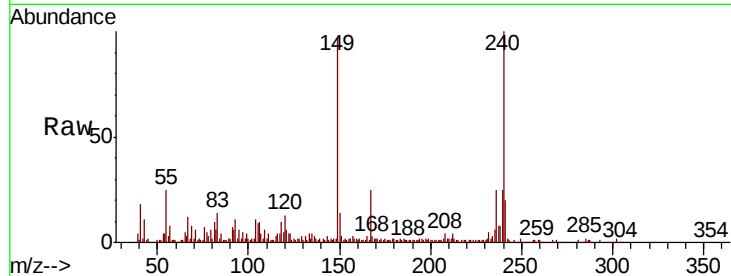
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.3	12.5#
236	25.4	20.3	30.5

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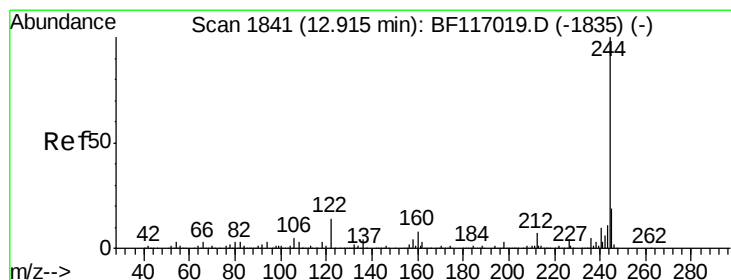
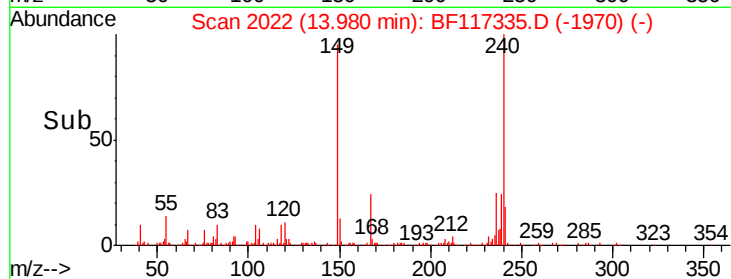
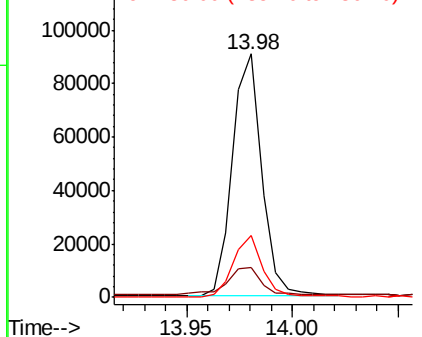


Abundance

Ion 240.00 (239.70 to 240.70): E

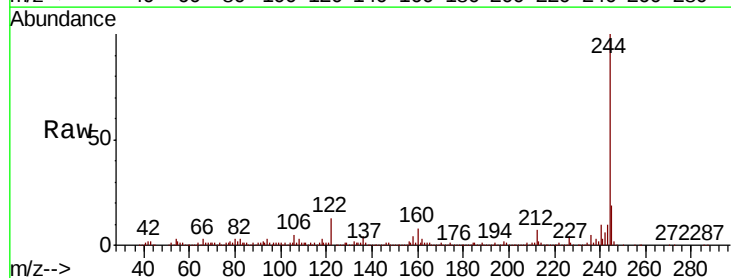
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
 Terphenyl-d14
 Concen: 81.556 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117335.D
 Acq: 3 Oct 2019 23:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	13.4	11.3	16.9

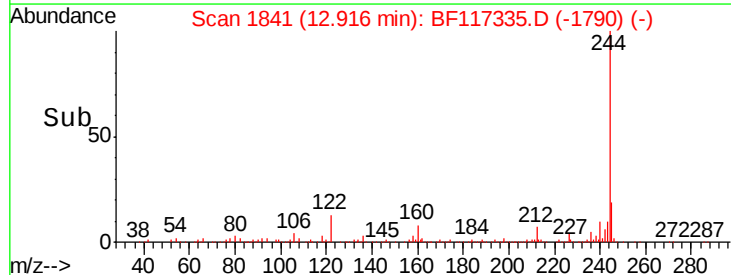
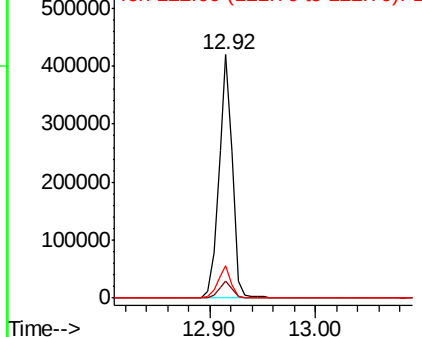


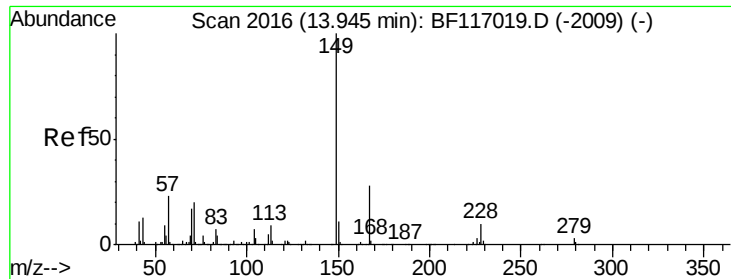
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 19.569 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA_F

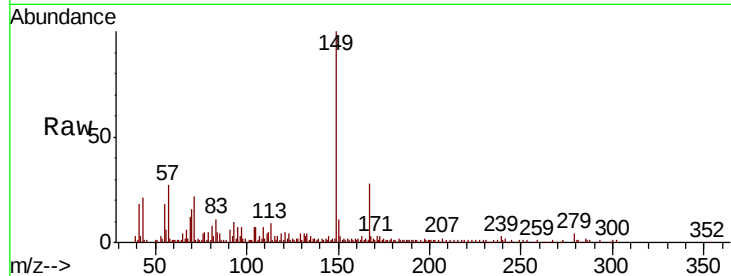
ClientSampleId :

COMPOSITE-4

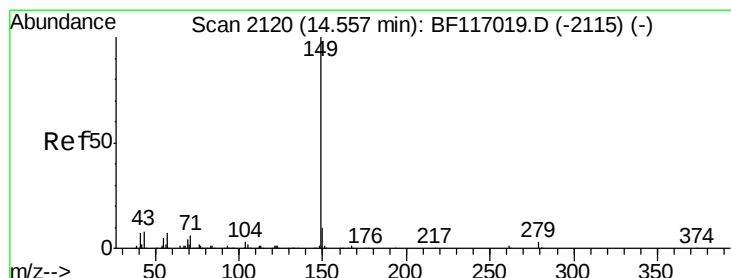
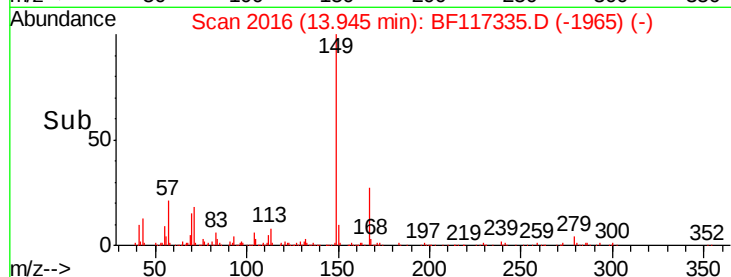
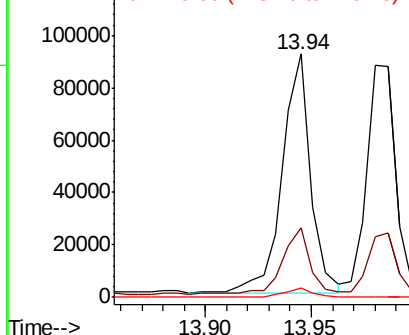
Tot Ion:	149	Resp:	86556
Ion Ratio	Lower	Upper	
149	100		
167	28.5	22.2	33.2
279	3.8	2.8	4.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 2.549 ng

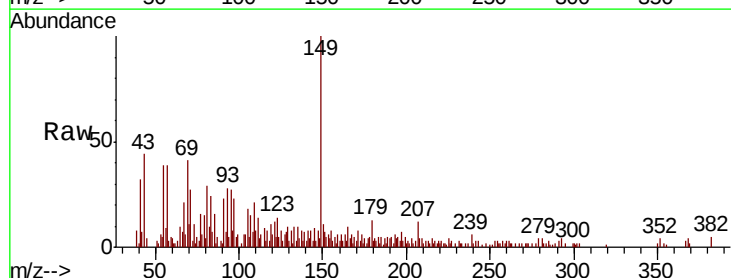
RT: 14.56 min Scan# 2120

Delta R.T. 0.00 min

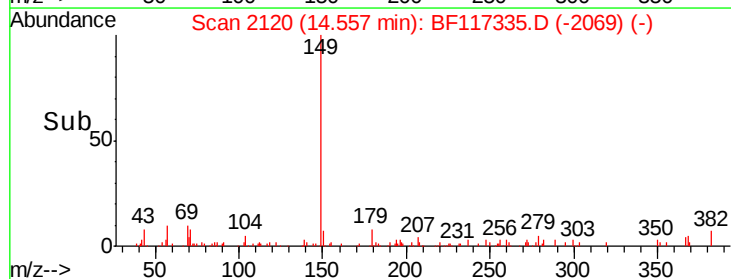
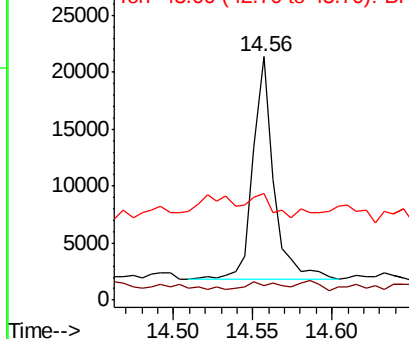
Lab File: BF117335.D

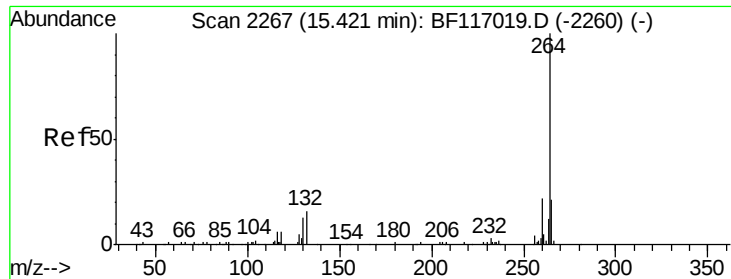
Acq: 3 Oct 2019 23:45

Tgt Ion:	149	Resp:	17745
Ion Ratio	Lower	Upper	
149	100		
167	5.6	1.2	1.8#
43	13.3	6.2	9.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BF117335.D
Acq: 3 Oct 2019 23:45

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-4

Tot Ion:	264	Resp:	70188
Ion Ratio	Lower	Upper	
264	100		
260	21.3	17.6	26.4
265	20.4	16.6	24.8

Manual Integrations
APPROVED

mohammad
10/7/2019 8:26:12 AM

