

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117874.D
 Acq On : 19 Nov 2019 21:58
 Operator : JU
 Sample : K5864-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Manual Integrations
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 11/20/2019 1:49:42 PM

Quant Time: Nov 20 01:41:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	204490	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	737470	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	330587	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	495941	20.00	ng	0.00
76) Chrysene-d12	14.11	240	398923	20.00	ng	0.00
87) Perylene-d12	15.62	264	323744	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1073783	92.95	ng	0.00
7) Phenol-d6	6.54	99	1392067	99.90	ng	0.00
23) Nitrobenzene-d5	7.47	82	833273	67.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	278600	79.60	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	1332869	72.33	ng	0.00
79) Terphenyl-d14	13.05	244	1172171	53.70	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.55	94	75189	5.193	ng	93
37) 2-Methylnaphthalene	8.92	142	53534	2.305	ng	96
38) 1-Methylnaphthalene	9.02	142	200697	9.139	ng	# 97
49) Acenaphthylene	9.83	152	67953	2.310	ng	# 55
50) Dimethylphthalate	9.67	163	143987	6.211	ng	# 90
52) Acenaphthene	10.00	154	63475	3.368	ng	# 82
58) Fluorene	10.52	166	153838	7.608	ng	# 93
71) Phenanthrene	11.49	178	571643	22.926	ng	97
72) Anthracene	11.54	178	98990m	4.004	ng	
73) Carbazole	11.69	167	56715	2.625	ng	# 67
75) Fluoranthene	12.68	202	623675	23.947	ng	100
78) Pylene	12.91	202	604907	18.763	ng	98
81) Benzo(a)anthracene	14.10	228	245467	9.312	ng	93
83) Chrysene	14.13	228	277671	10.870	ng	96
86) Indeno(1,2,3-cd)pyrene	17.14	276	124280	5.716	ng	94
88) Benzo(b)fluoranthene	15.17	252	301789m	14.348	ng	
89) Benzo(k)fluoranthene	15.19	252	94220m	4.754	ng	
90) Benzo(a)pyrene	15.55	252	189704	10.257	ng	97
92) Benzo(a,h,i)perylene	17.61	276	115893	7.309	ng	98

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

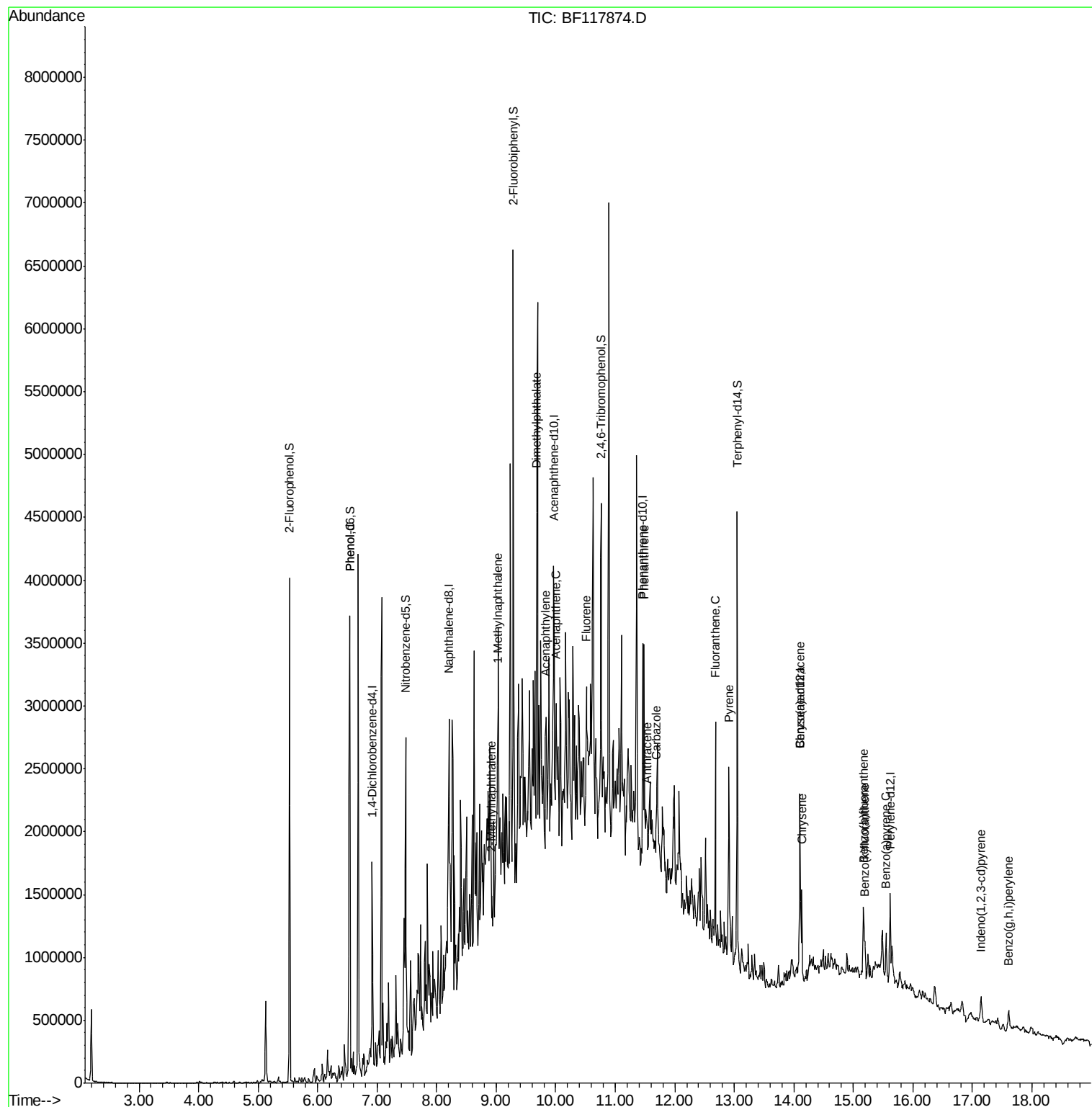
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117874.D
Acq On : 19 Nov 2019 21:58
Operator : JU
Sample : K5864-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

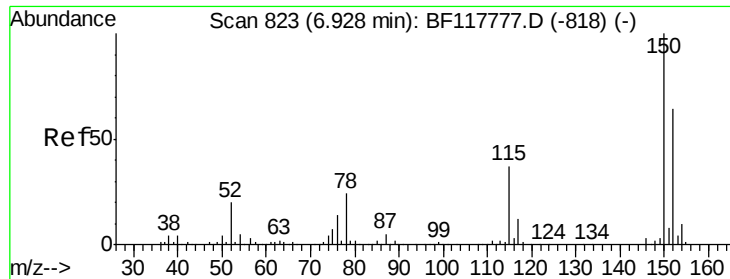
Instrument :
BNA_F
ClientSampleID :
SB-04-COMP

Quant Time: Nov 20 01:41:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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#1

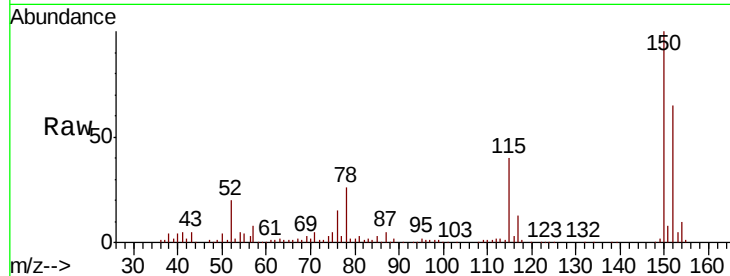
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.3	187.9
115	61.1	47.0	70.4

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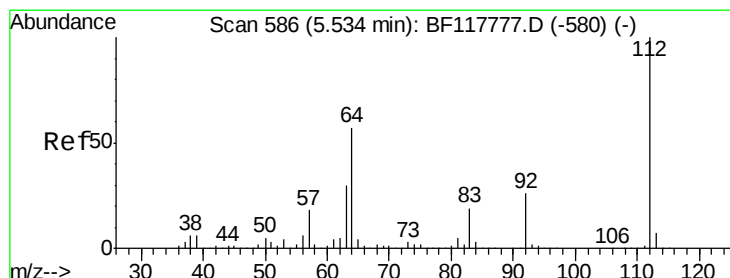
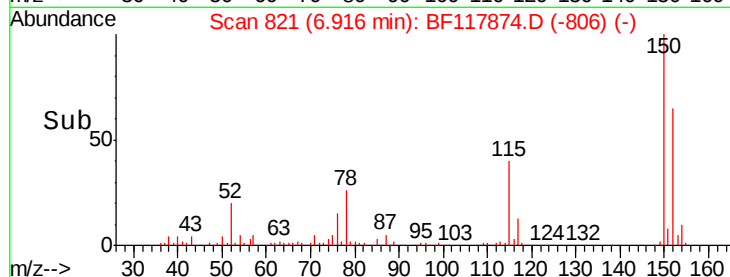
Abundance

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

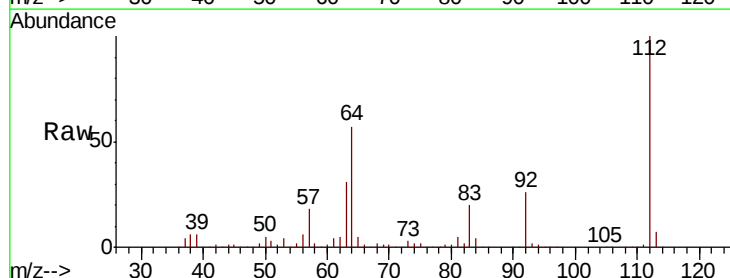
Time-->



#5

2-Fluorophenol
Concen: 92.949 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	45.6	68.4
63	30.9	24.1	36.1



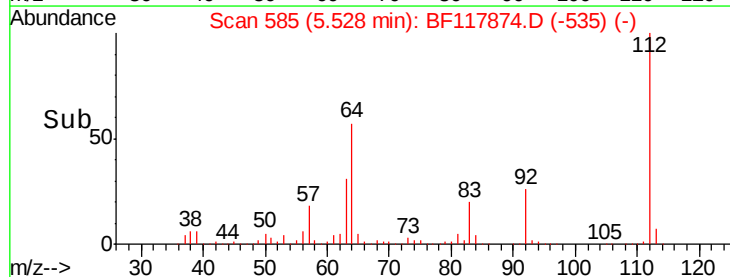
Abundance

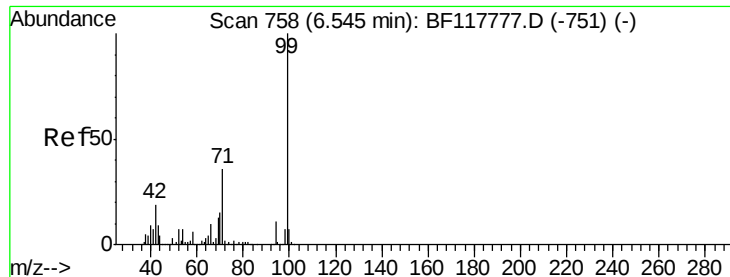
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 99.904 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

Tot Ion: 99 Resp: 1392067

Ion Ratio Lower Upper

99 100

42 18.0 14.9 22.3

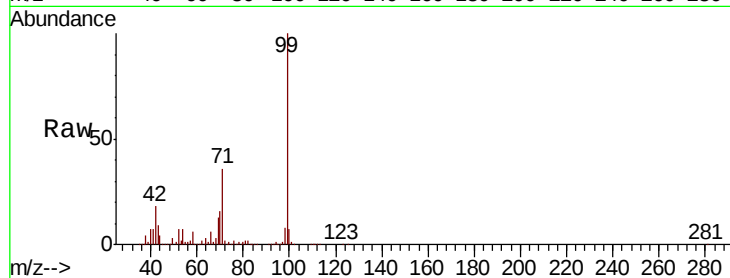
71 35.6 28.6 43.0

Manual Integrations

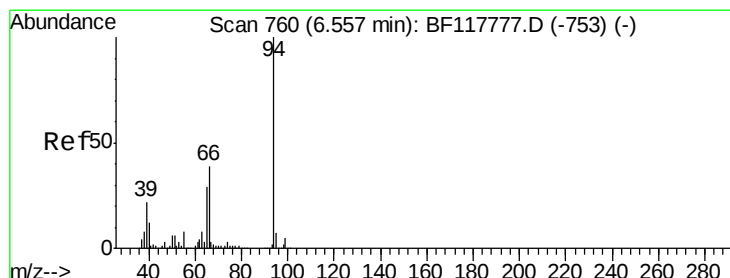
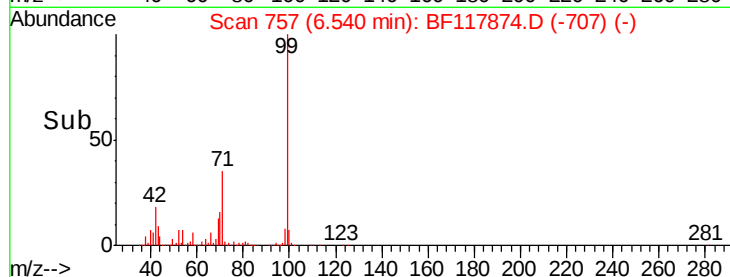
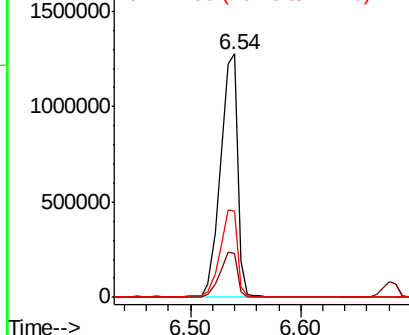
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.193 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

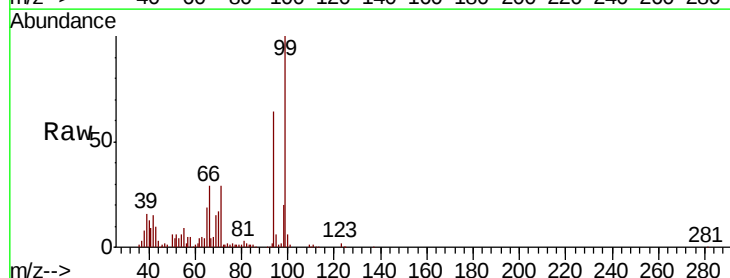
Tgt Ion: 94 Resp: 75189

Ion Ratio Lower Upper

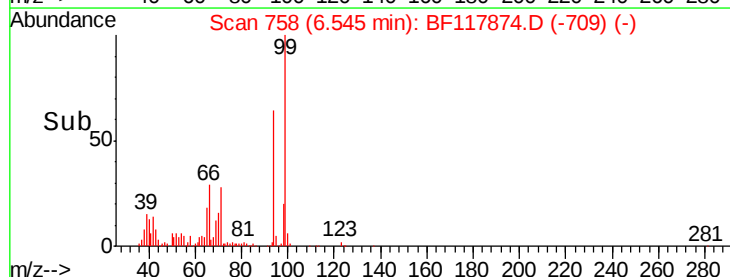
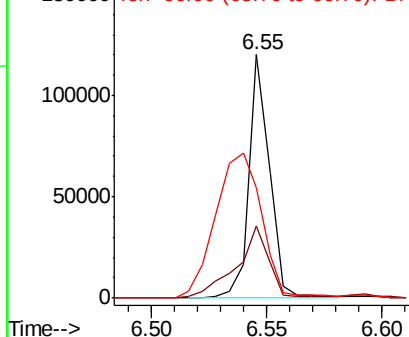
94 100

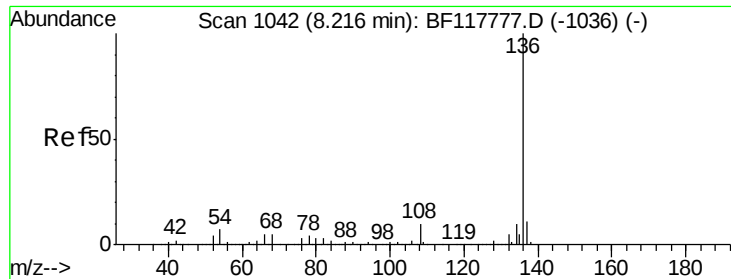
65 29.5 8.9 48.9

66 45.4 18.7 58.7



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





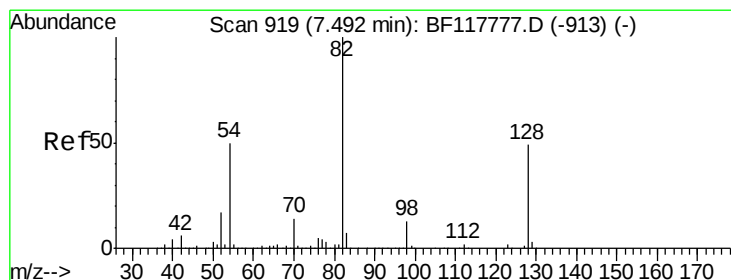
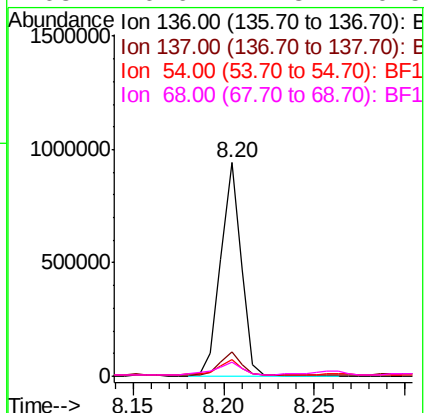
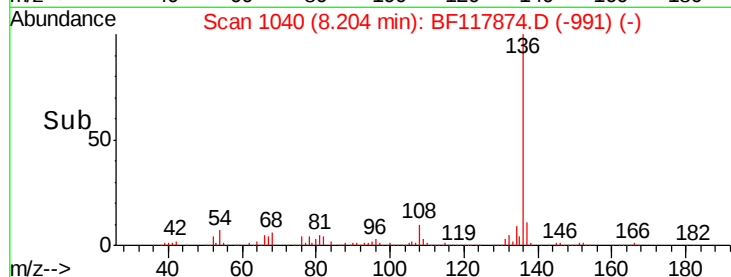
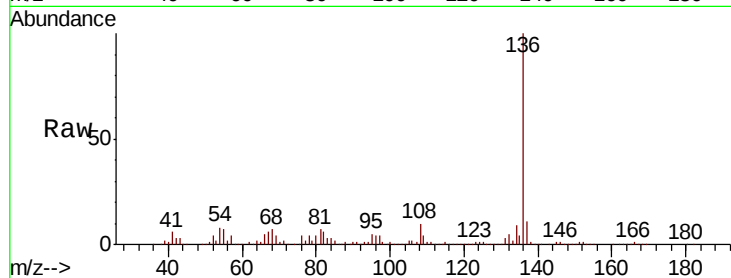
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	9.0	13.4	
54	8.0	5.4	8.2	
68	6.6	4.3	6.5	

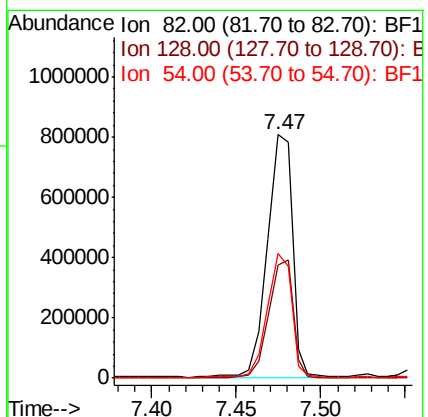
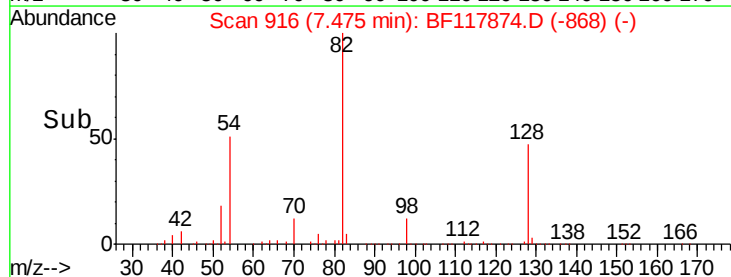
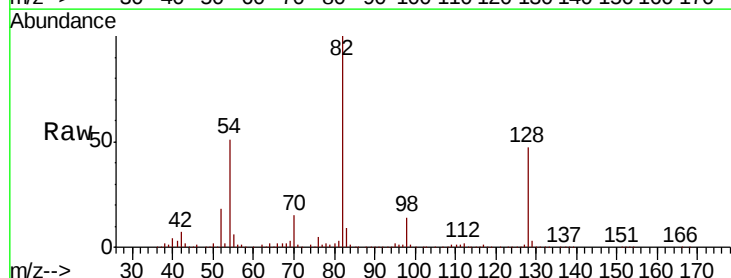
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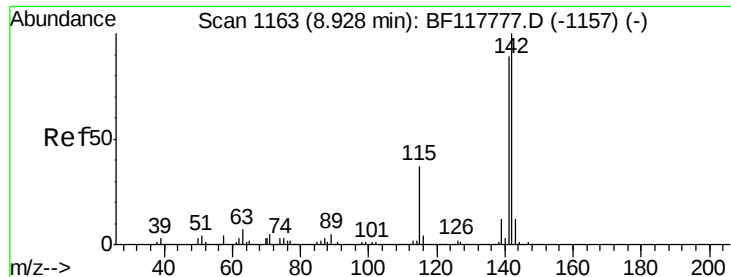
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#23
Nitrobenzene-d5
Concen: 67.168 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.7	38.9	58.3	
54	51.4	39.8	59.6	





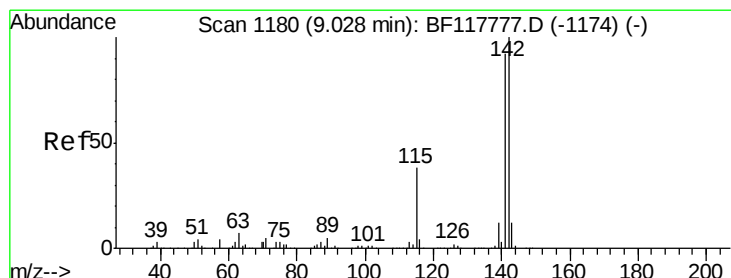
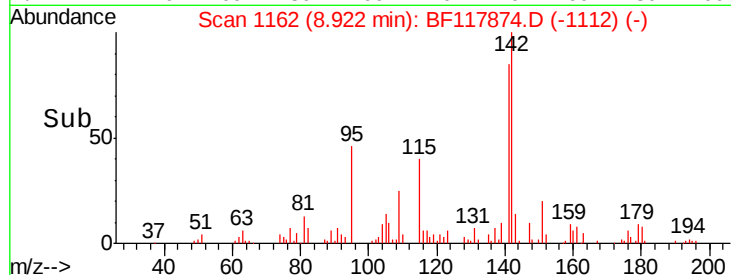
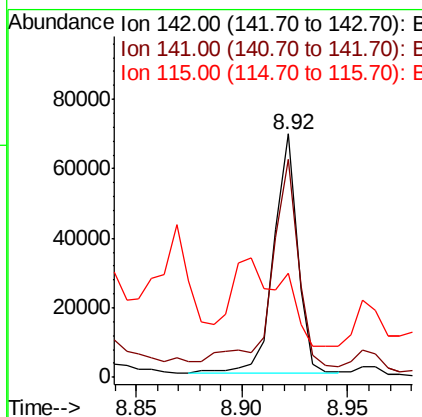
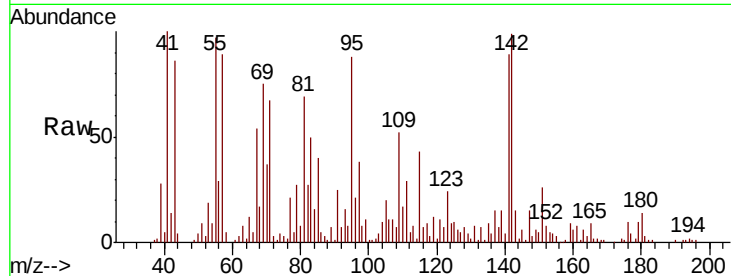
#37
2-Methylnaphthalene
Concen: 2.305 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7
115	43.0	29.2	43.8

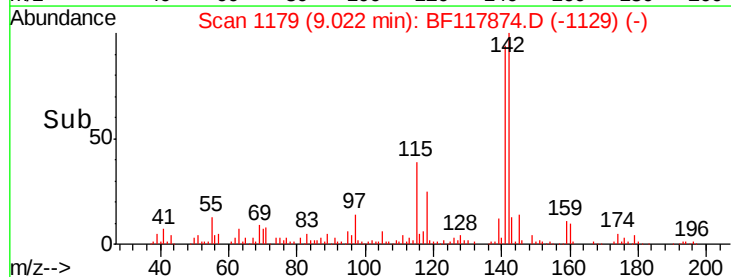
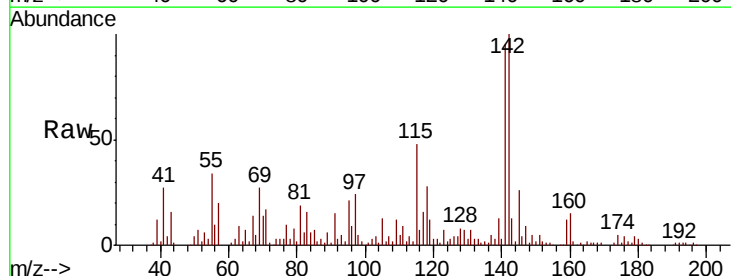
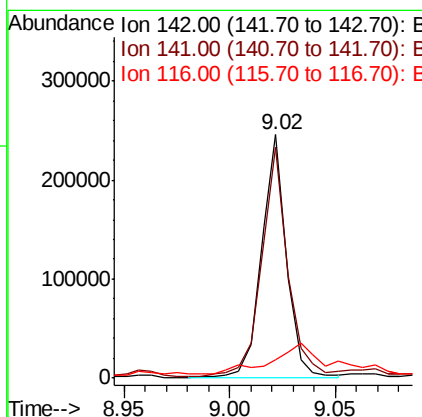
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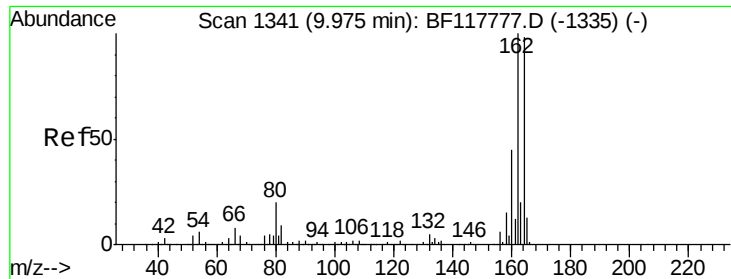
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#38
1-Methylnaphthalene
Concen: 9.139 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.9	73.5	110.3
116	7.4	3.2	4.8#





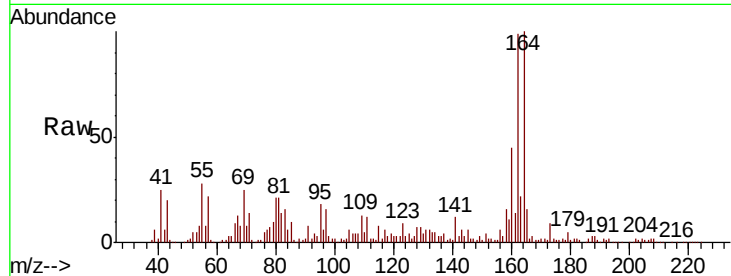
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	330587		
162	98.9	81.3	121.9	
160	44.9	36.6	55.0	

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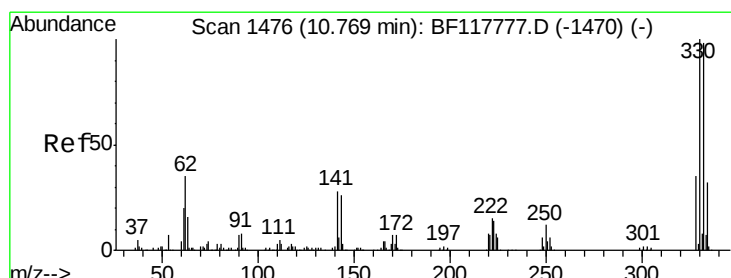
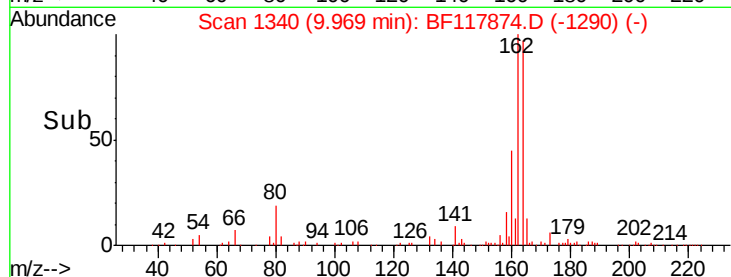
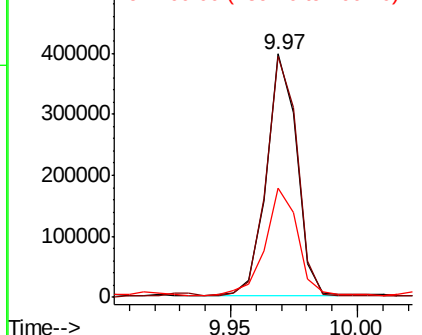


Abundance

Ion 164.00 (163.70 to 164.70): E

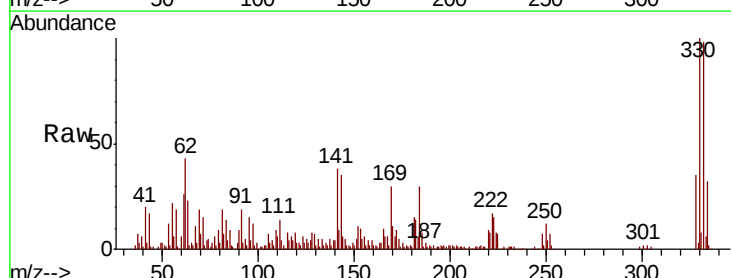
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 79.603 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	278600		
332	97.3	76.7	115.1	
141	42.3	27.7	41.5	

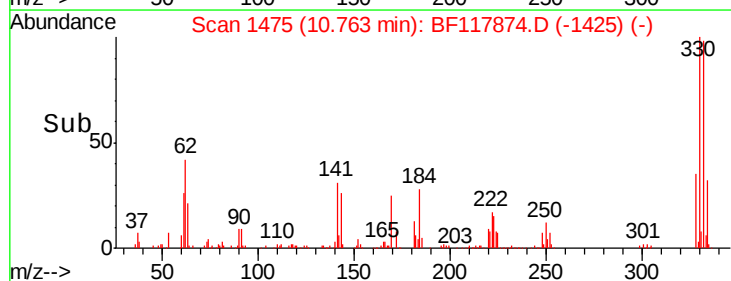
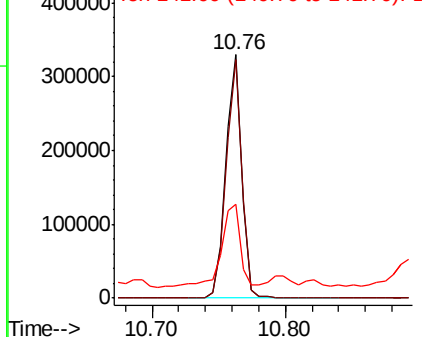


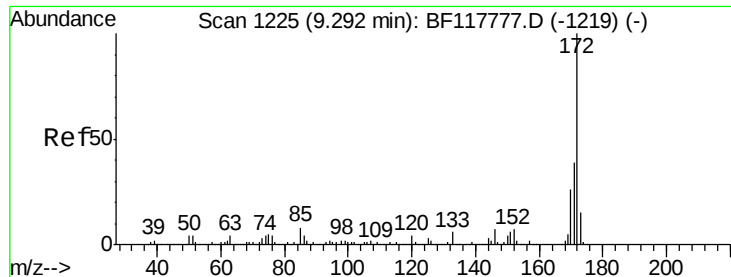
Abundance

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





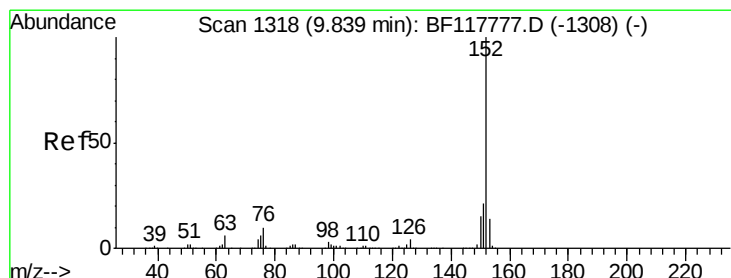
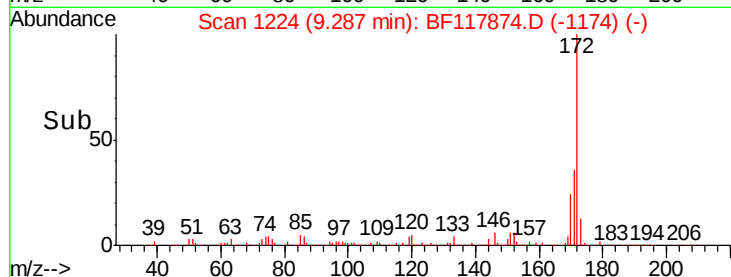
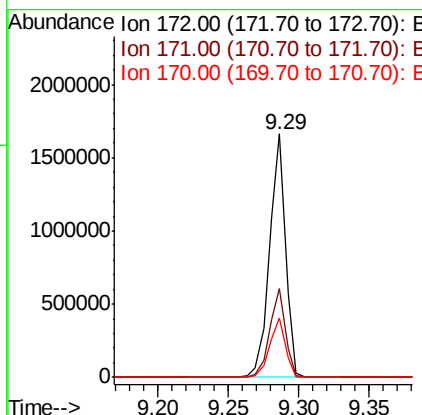
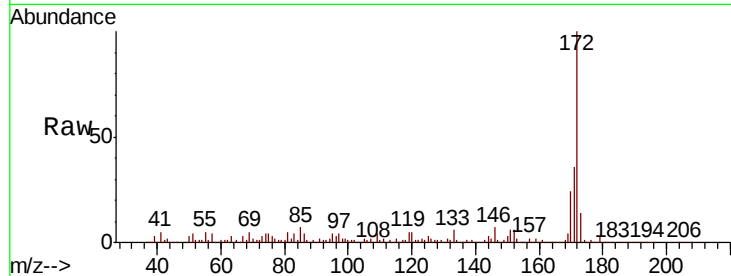
#45
2-Fluorobiphenyl
Concen: 72.332 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.9	46.3
170	24.3	21.0	31.4

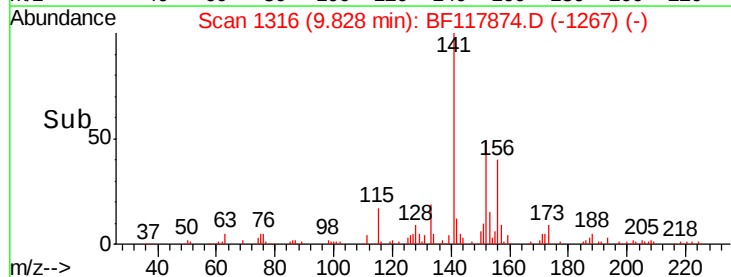
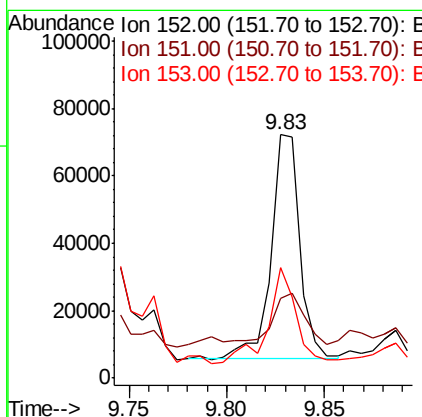
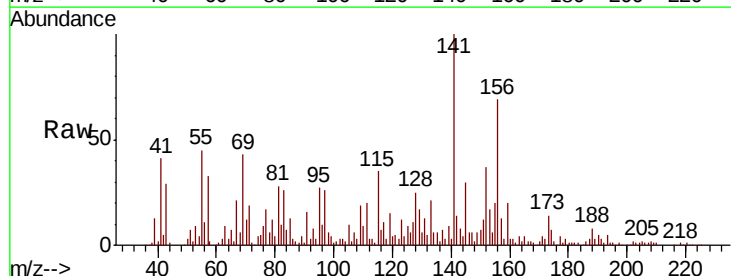
Manual Integrations
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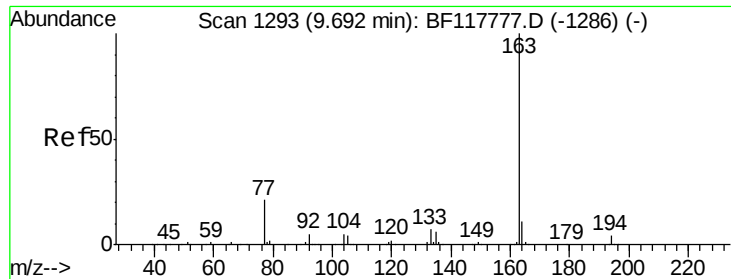
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#49
Acenaphthylene
Concen: 2.310 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	32.7	17.0	25.6#
153	45.5	11.0	16.6#





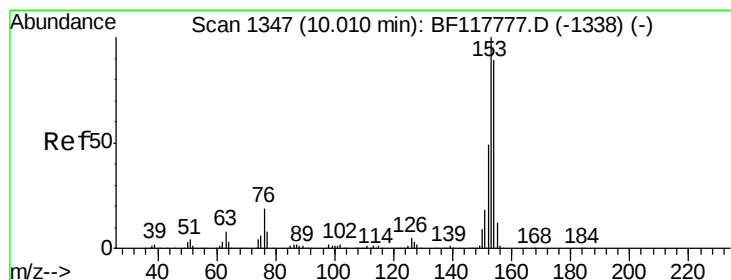
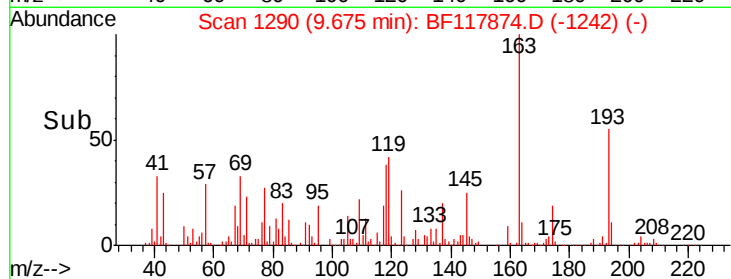
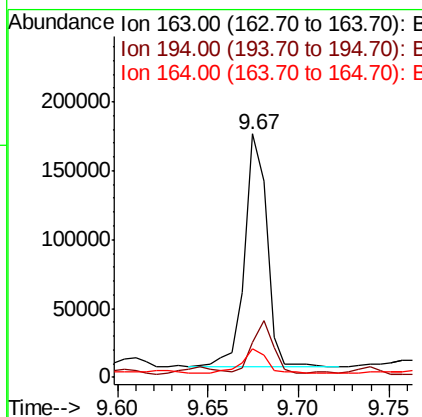
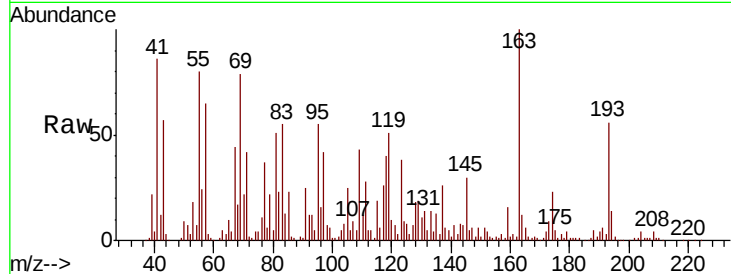
#50
Dimethylphthalate
Concen: 6.211 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	143987		
194	14.4	3.3	4.9#	
164	11.8	8.7	13.1	

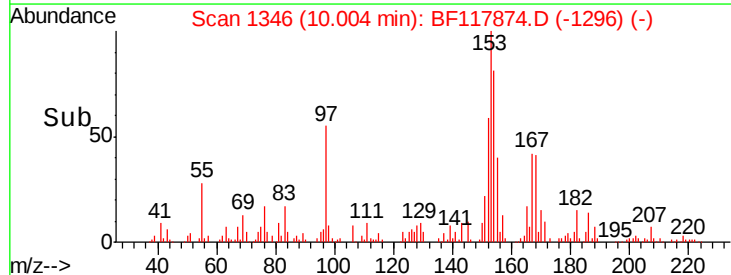
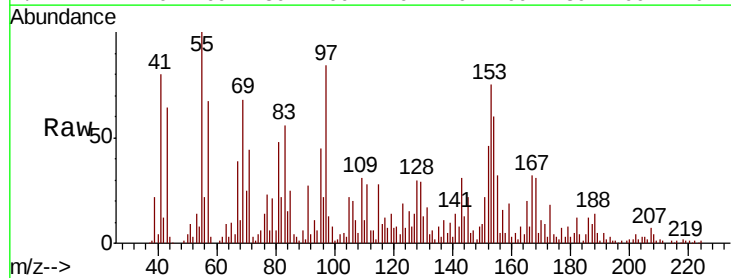
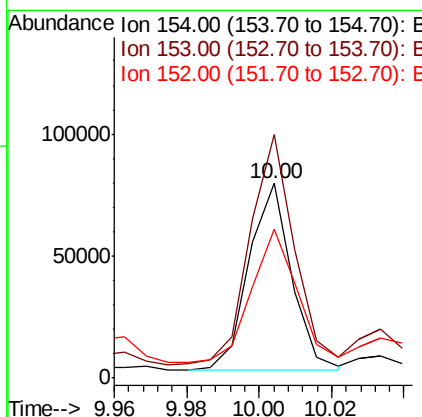
Manual Integrations
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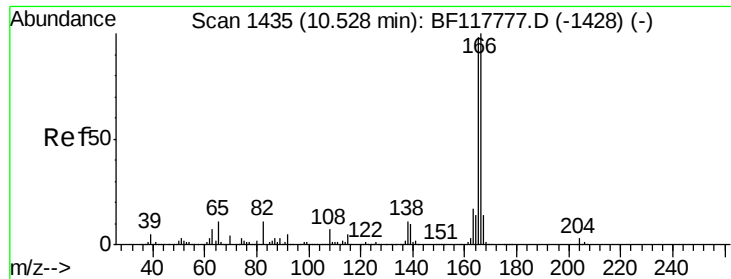
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#52
Acenaphthene
Concen: 3.368 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	63475		
153	125.1	90.1	135.1	
152	76.5	44.0	66.0#	





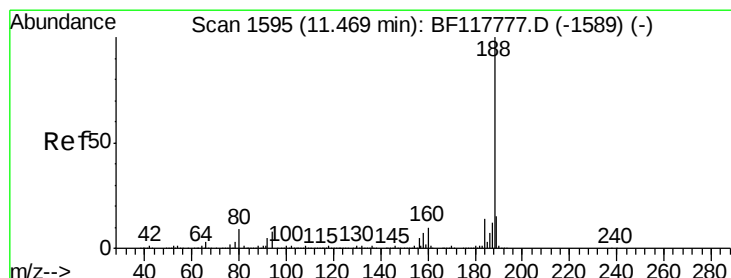
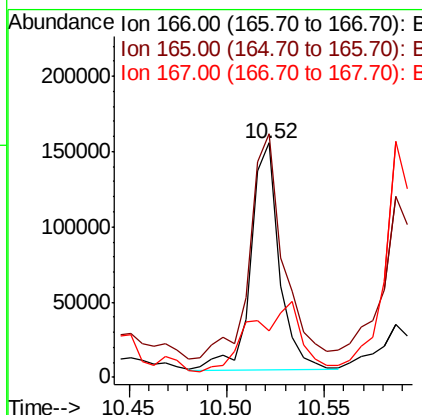
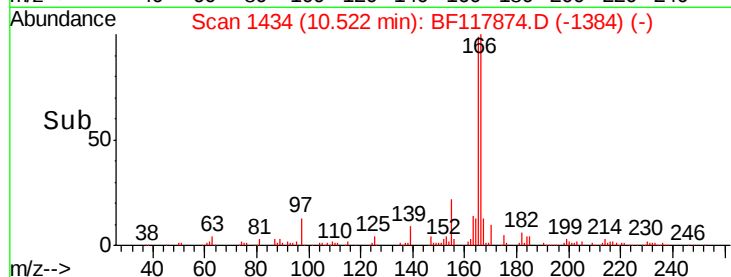
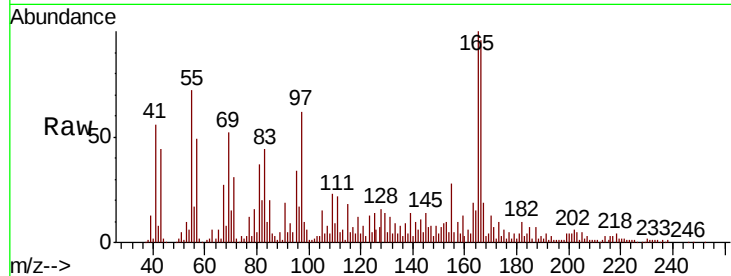
#58
Fluorene
Concen: 7.608 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	104.0	78.4	117.6		
167	19.6	11.0	16.4		

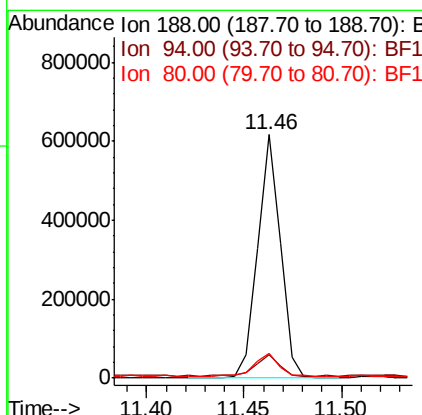
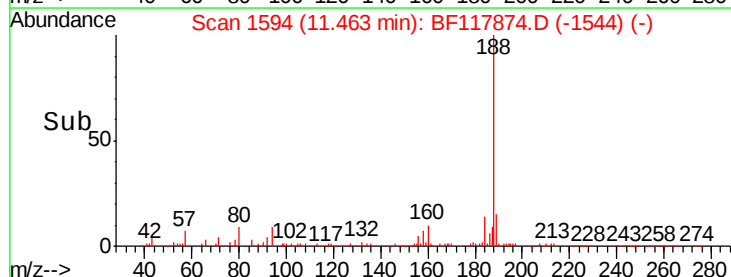
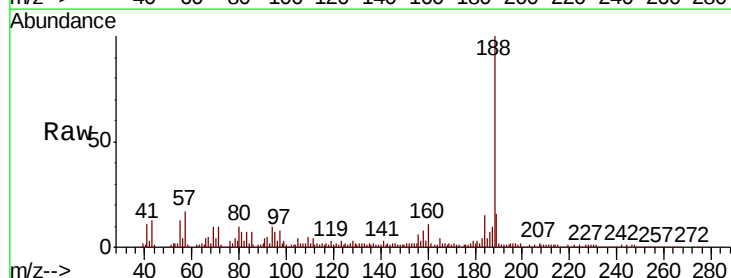
Manual Integrations
APPROVED

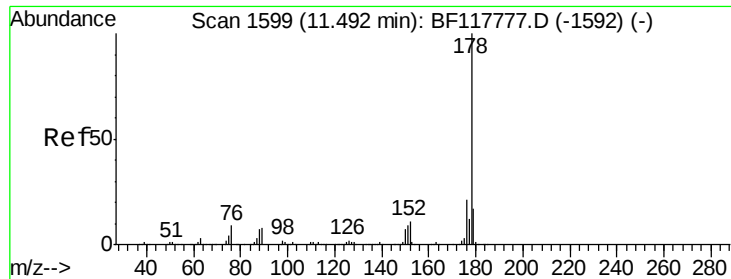
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.6	6.6	10.0		
80	10.0	7.2	10.8		





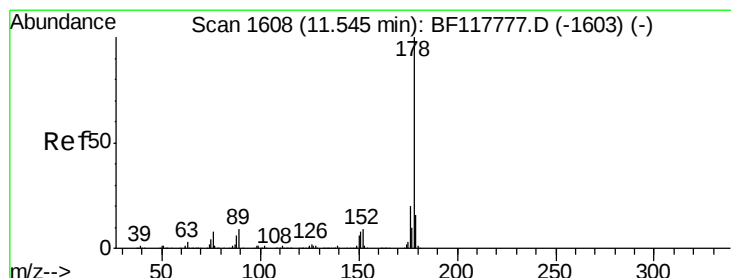
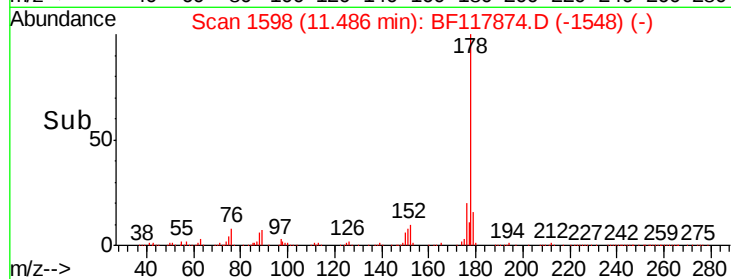
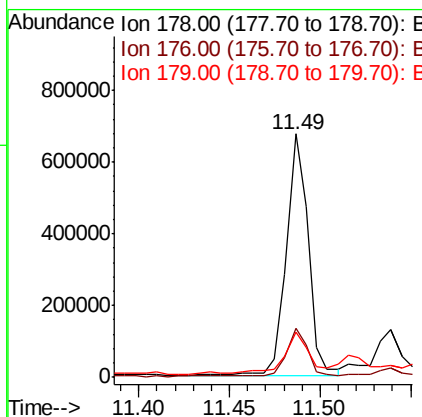
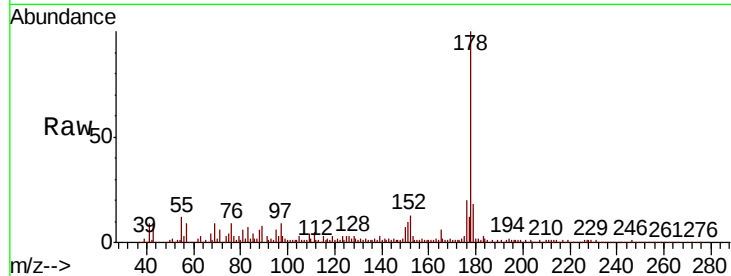
#71
Phenanthrene
Concen: 22.926 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.6	25.0
179	18.4	13.2	19.8

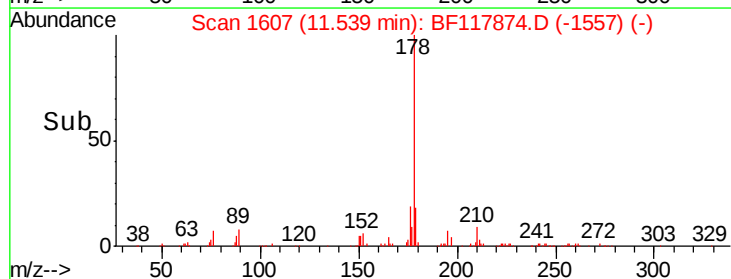
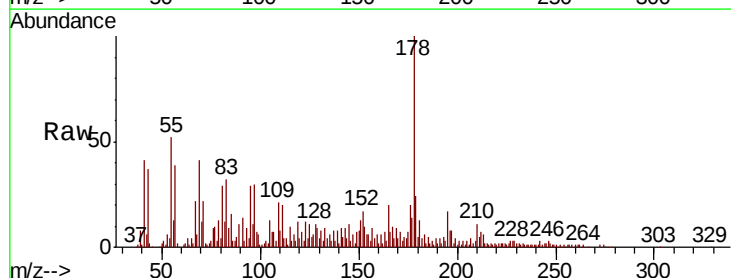
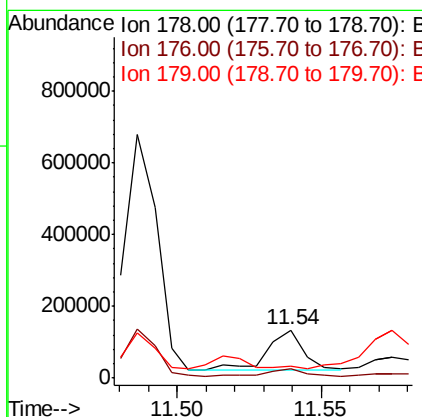
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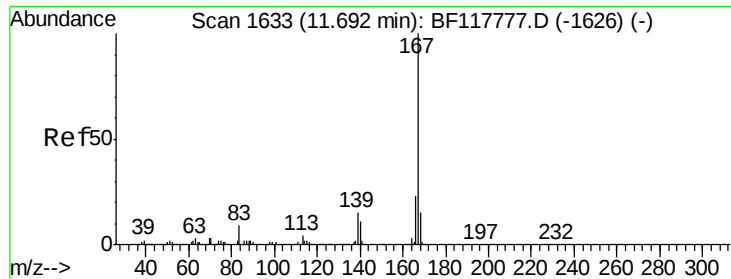
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#72
Anthracene
Concen: 4.004 ng m
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.1	24.1
179	23.8	13.0	19.4





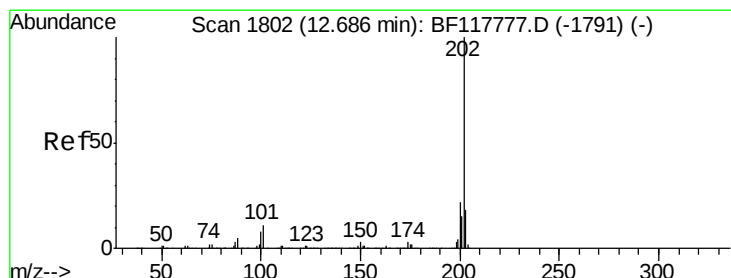
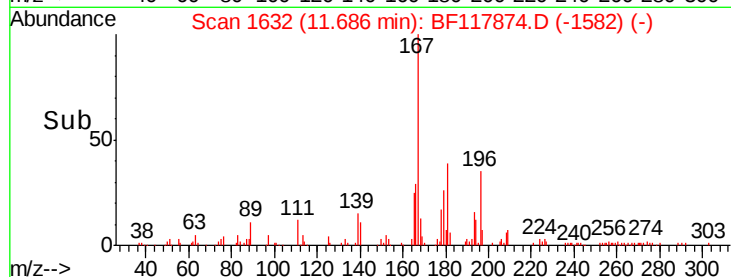
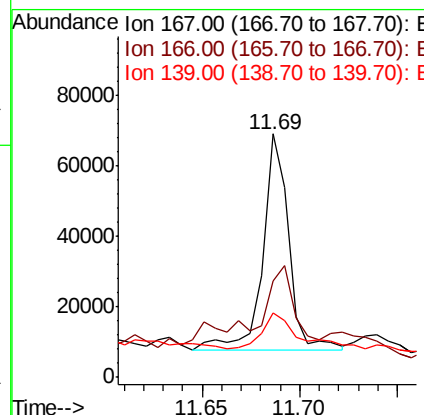
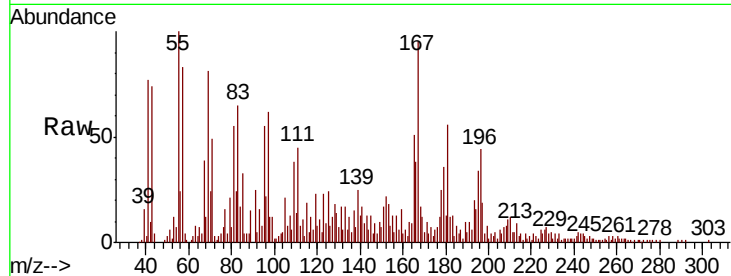
#73
 Carbazole
 Concen: 2.625 ng
 RT: 11.69 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
167	100	56715		
166	39.7	18.0	27.0#	
139	26.7	11.7	17.5#	

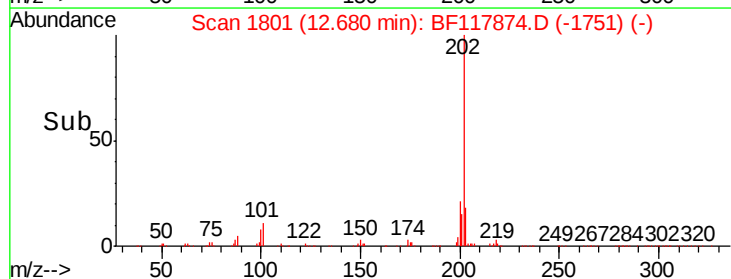
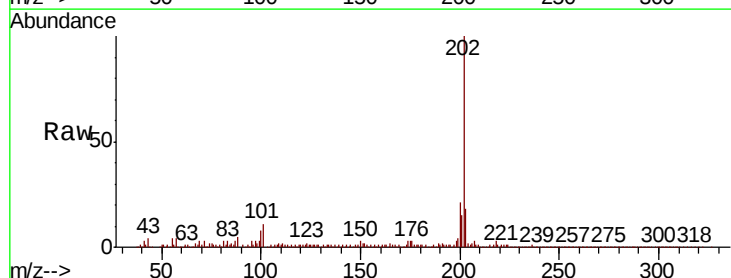
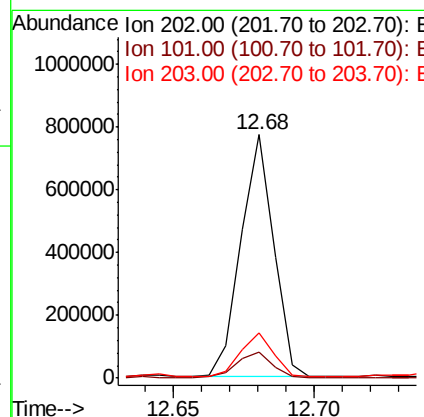
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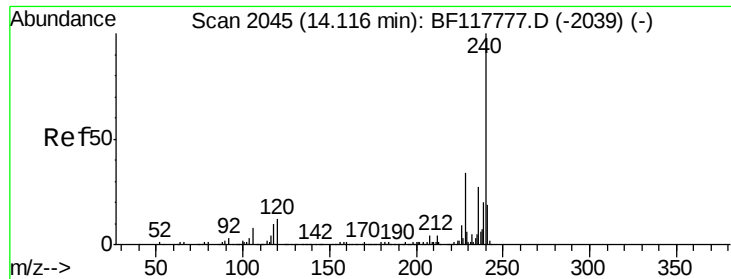
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#75
 Fluoranthene
 Concen: 23.947 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	623675		
101	10.9	0.0	31.1	
203	18.3	0.0	38.2	





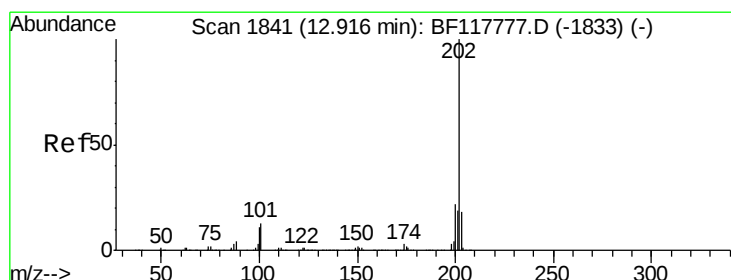
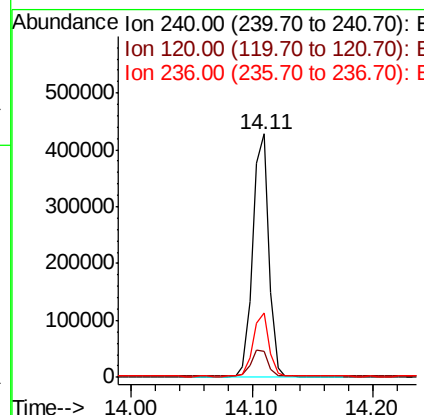
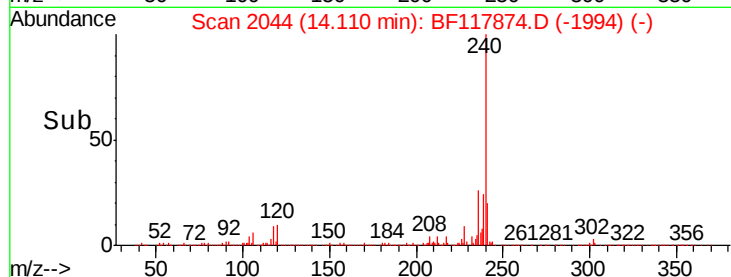
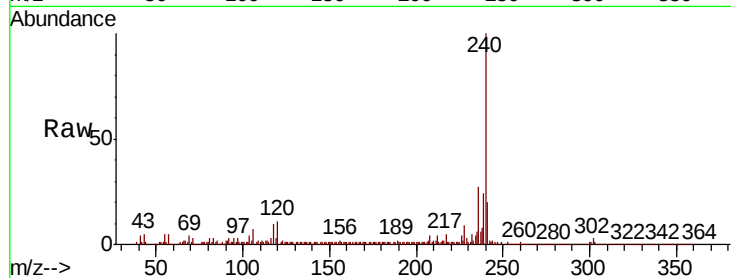
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.6	9.5	14.3	
236	26.7	21.3	31.9	

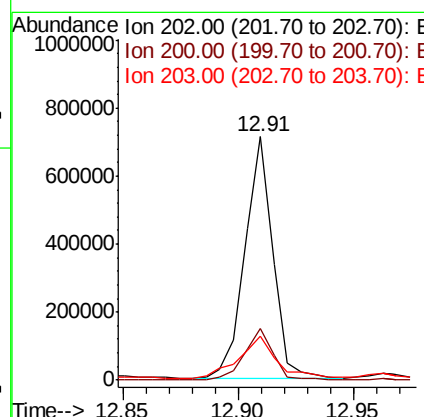
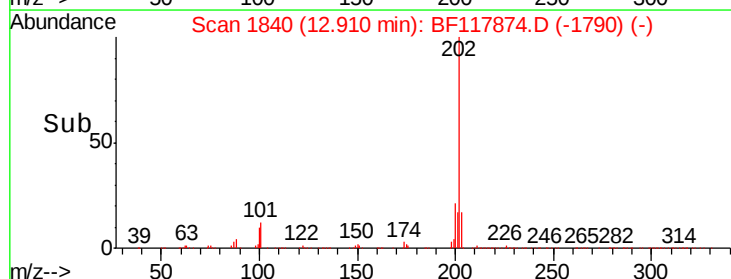
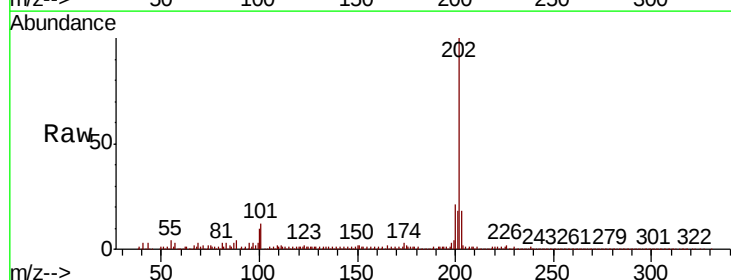
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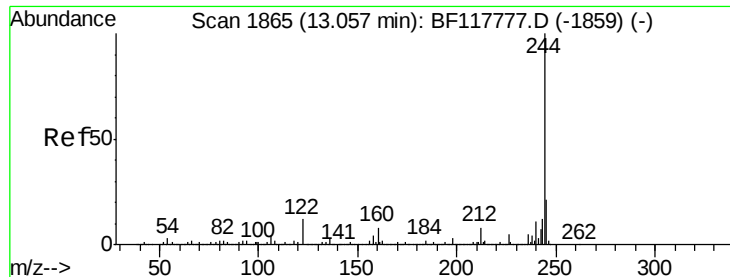
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#78
Pyrene
Concen: 18.763 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.8	26.8	
203	18.2	14.6	22.0	





#79

Terphenyl-d14

Concen: 53.701 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

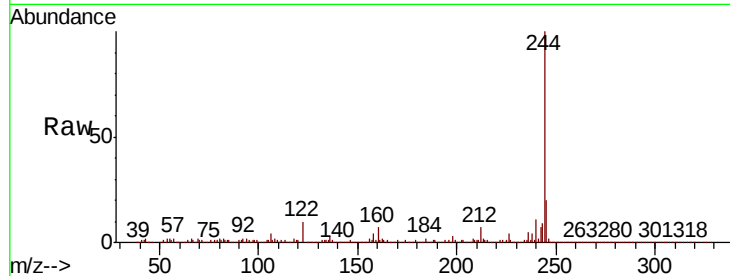
ClientSampleId :

SB-04-COMP

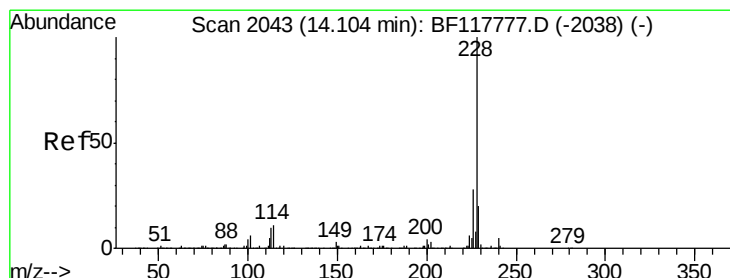
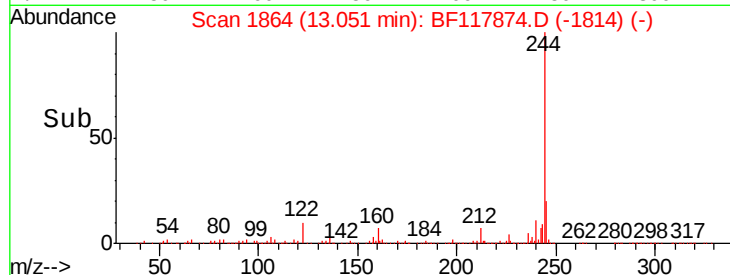
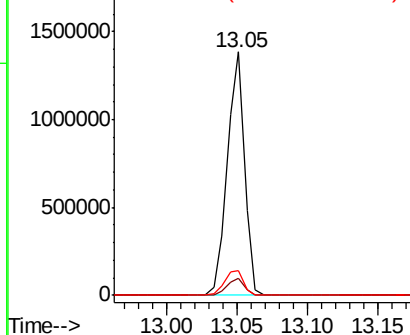
Tot Ion:	244	Resp:	1172171
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.3	9.5
122	10.3	9.4	14.2

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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



#81

Benzo(a)anthracene

Concen: 9.312 ng

RT: 14.10 min Scan# 2042

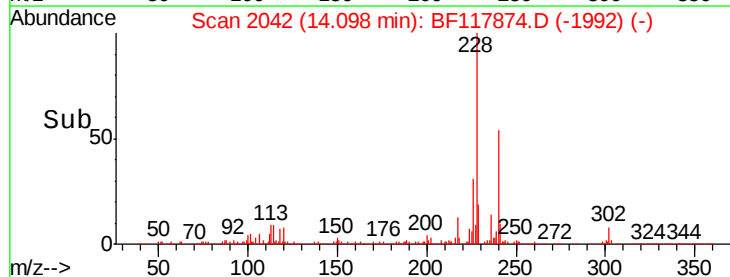
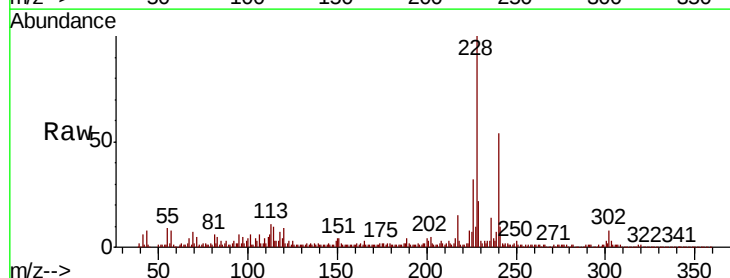
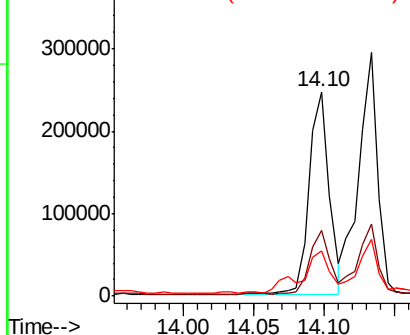
Delta R.T. -0.01 min

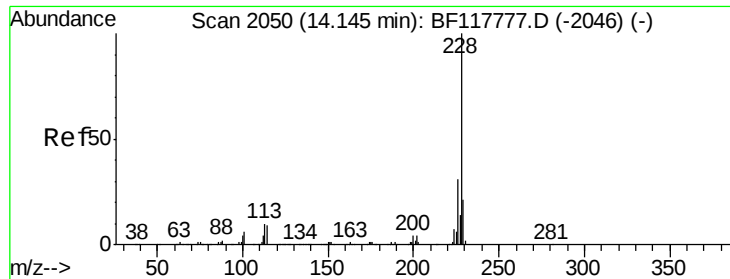
Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Tgt Ion:	228	Resp:	245467
Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.2	33.2
229	22.2	15.9	23.9

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





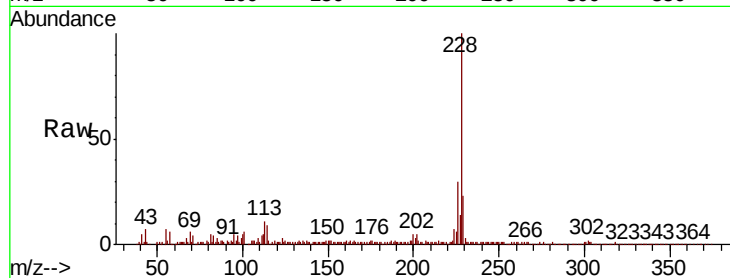
#83
Chrysene
Concen: 10.870 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

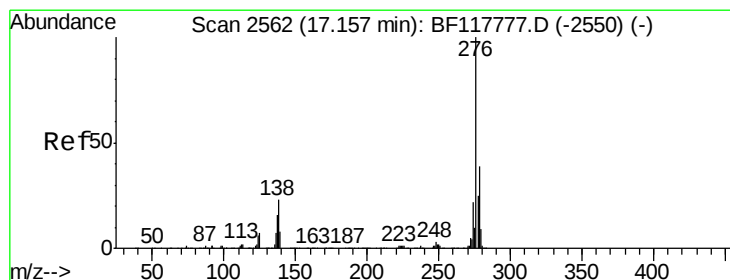
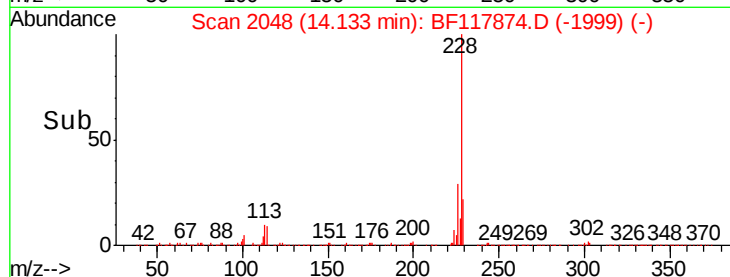
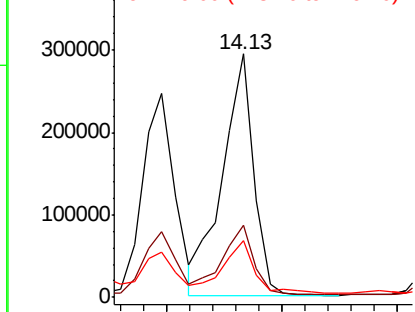
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.4
229	23.4	16.6	25.0

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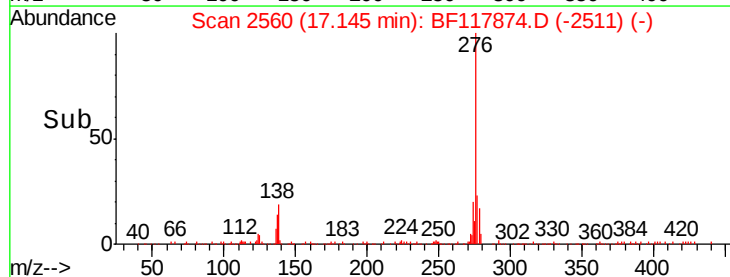
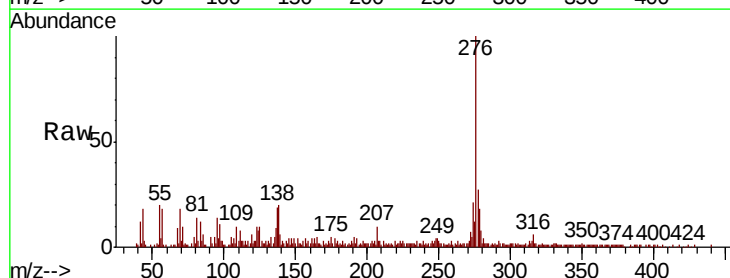
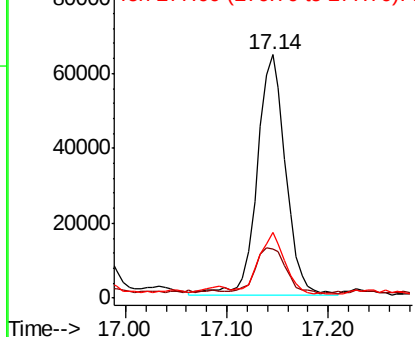
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

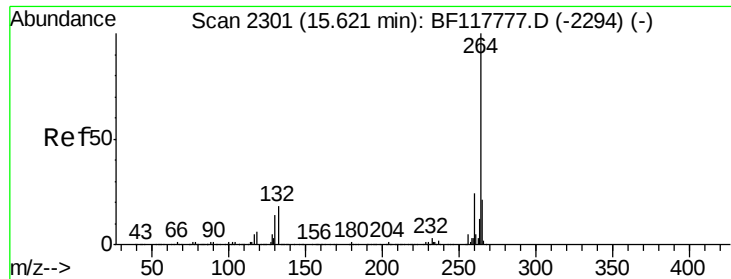


#86
Indeno(1,2,3-cd)pyrene
Concen: 5.716 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.9	31.3
277	24.2	20.3	30.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





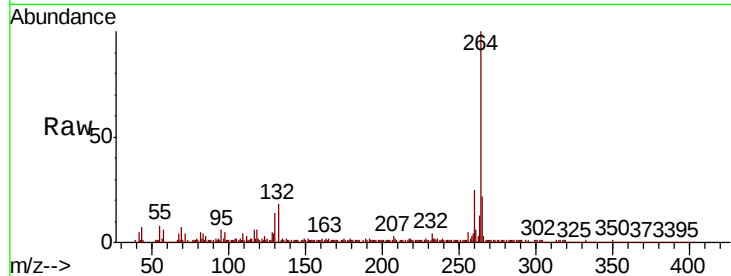
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.0
265	22.3	17.1	25.7

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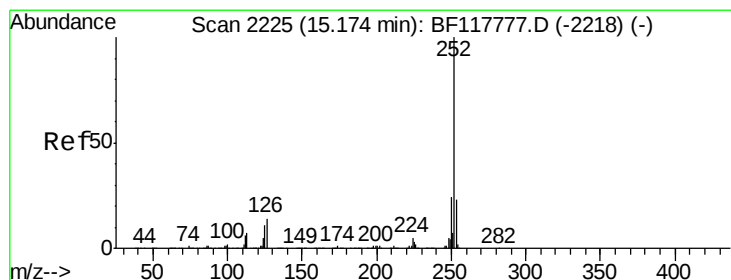
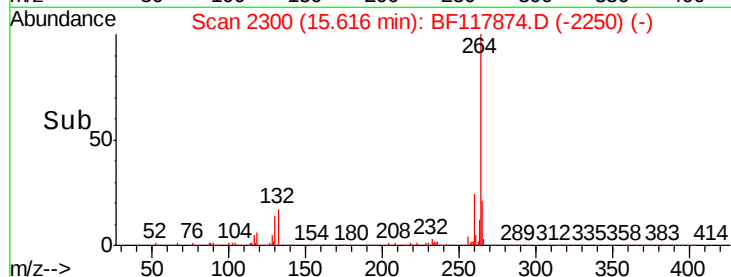
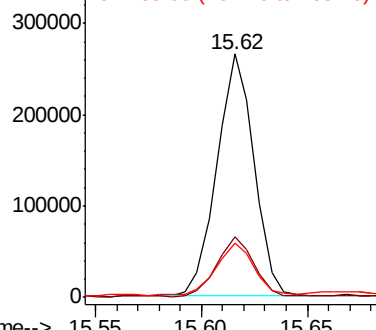


Abundance

Ion 264.00 (263.70 to 264.70): E

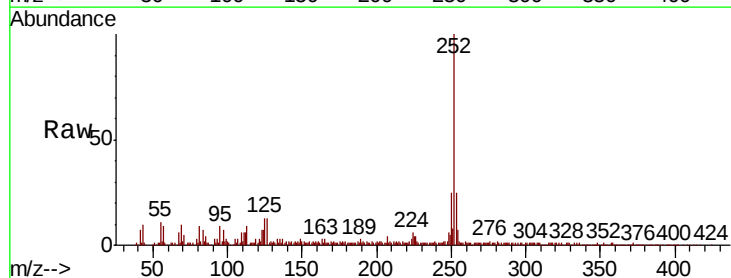
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 14.348 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	13.4	8.6	13.0

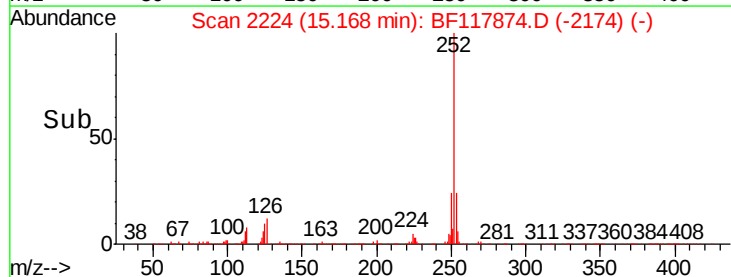
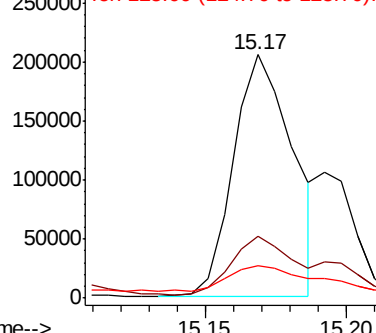


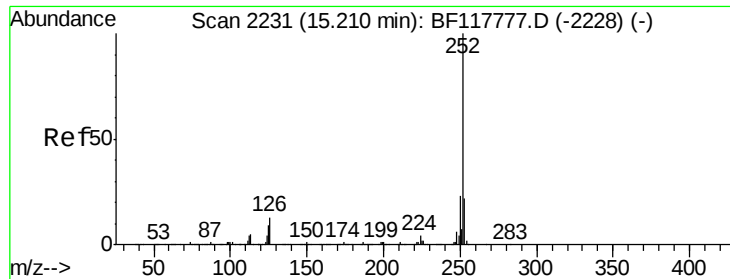
Abundance

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





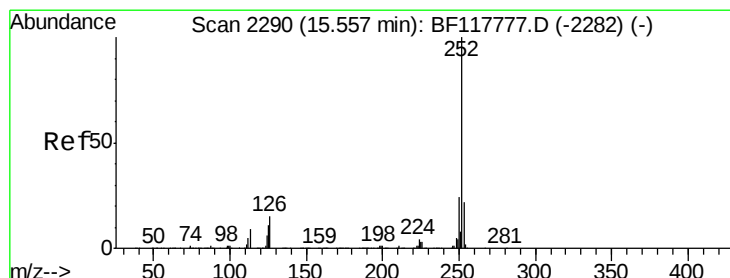
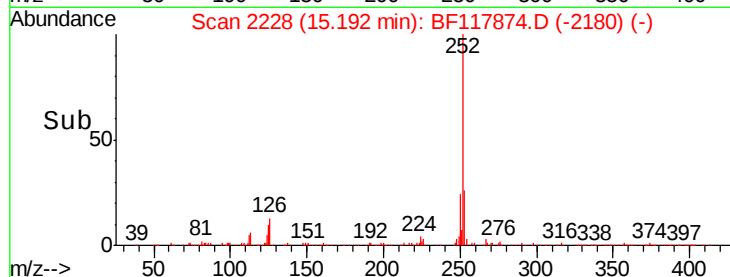
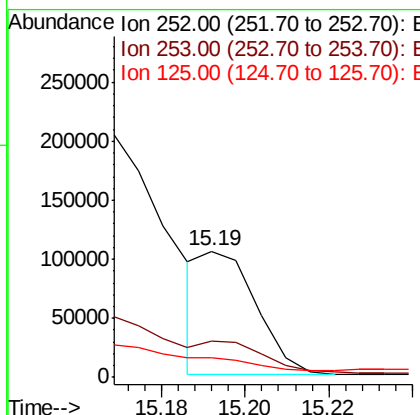
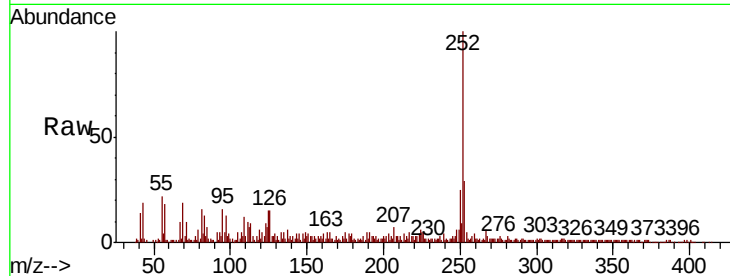
#89
Benzo(k)fluoranthene
Concen: 4.754 ng m
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.5	26.3#
125	15.4	7.9	11.9#

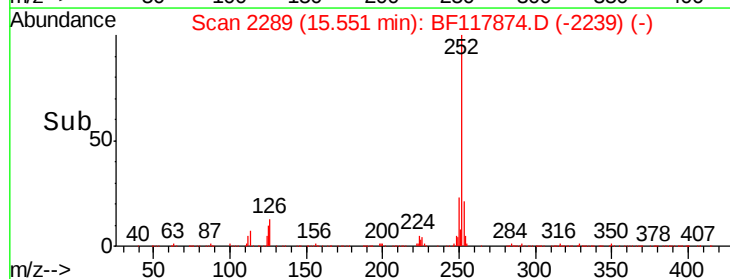
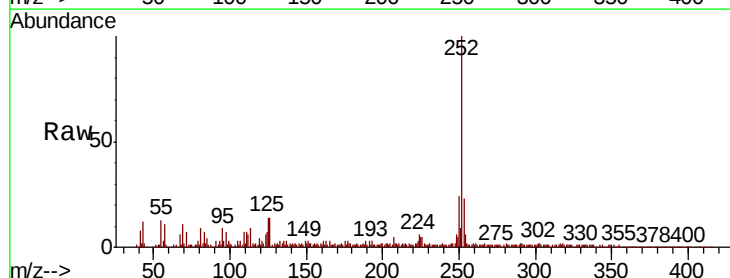
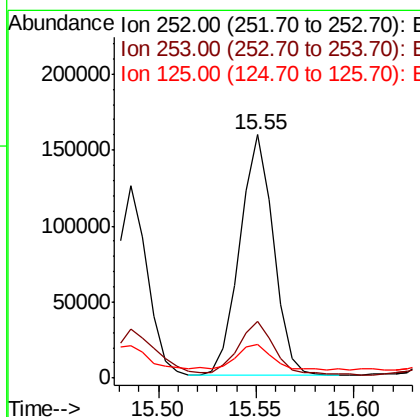
Manual Integrations
APPROVED

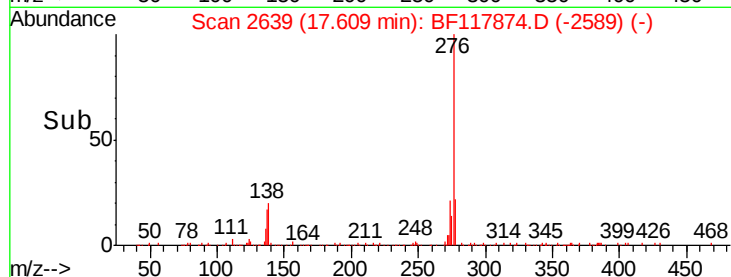
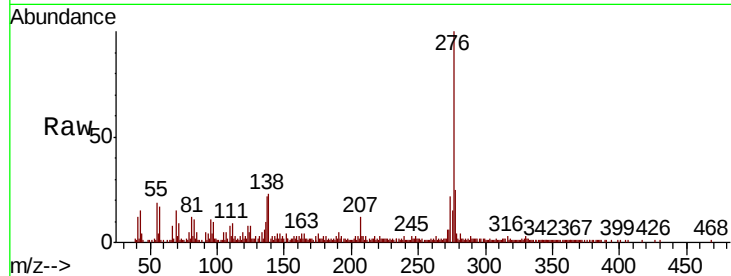
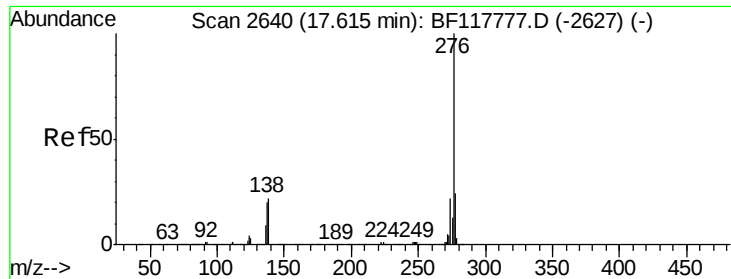
mohammad
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#90
Benzo(a)pyrene
Concen: 10.257 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	13.6	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 7.309 ng
 RT: 17.61 min Scan# 2639
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	22.6	17.4	26.2

Manual Integrations
 APPROVED

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