

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117854.D
 Acq On : 19 Nov 2019 12:54
 Operator : JU
 Sample : K5671-06 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-111419

Manual Integrations
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Quant Time: Nov 19 13:34:23 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	227687	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	892270	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	459486	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	771138	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	502503	20.00	ng	0.00
87) Perylene-d12	15.62	264	489684	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	511572	39.77	ng	-0.01
7) Phenol-d6	6.53	99	668704	43.10	ng	-0.02
23) Nitrobenzene-d5	7.47	82	389193	25.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	128897	26.50	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	773765	30.21	ng	-0.01
79) Terphenyl-d14	13.04	244	668815	24.32	ng	-0.01
Target Compounds						
10) Phenol	6.54	94	33528	2.080	ng	Qvalue 94
49) Acenaphthylene	9.82	152	99629	2.437	ng	98
50) Dimethylphthalate	9.67	163	78694	2.442	ng	100
58) Fluorene	10.52	166	63112	2.245	ng	96
71) Phenanthrene	11.48	178	518858	13.383	ng	97
72) Anthracene	11.53	178	171996	4.474	ng	97
75) Fluoranthene	12.67	202	673482	13.871	ng	99
78) Pyrene	12.90	202	624317	15.373	ng	100
81) Benzo(a)anthracene	14.10	228	323966m	9.756	ng	
83) Chrysene	14.13	228	308763	9.596	ng	96
86) Indeno(1,2,3-cd)pyrene	17.14	276	171249	6.253	ng	95
88) Benzo(b)fluoranthene	15.17	252	413006m	12.982	ng	
89) Benzo(k)fluoranthene	15.19	252	122598m	4.090	ng	
90) Benzo(a)pyrene	15.54	252	300793	10.752	ng	97
92) Benzo(a,h,i)perylene	17.60	276	170727	7.118	ng	99

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

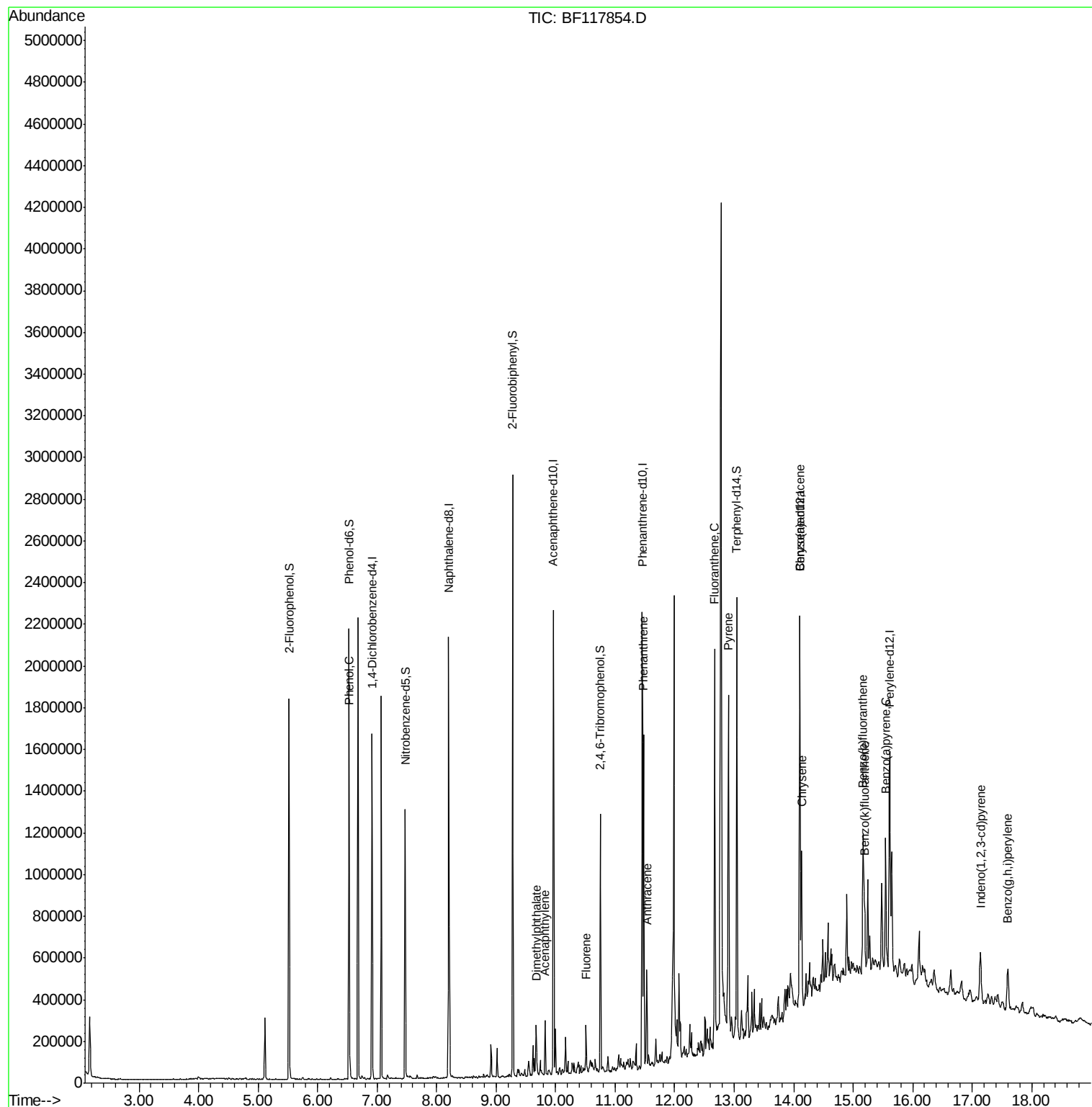
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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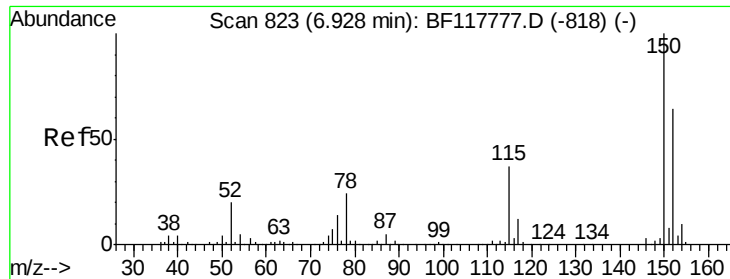
Instrument :
BNA_F
ClientSampled :
OR-03-111419

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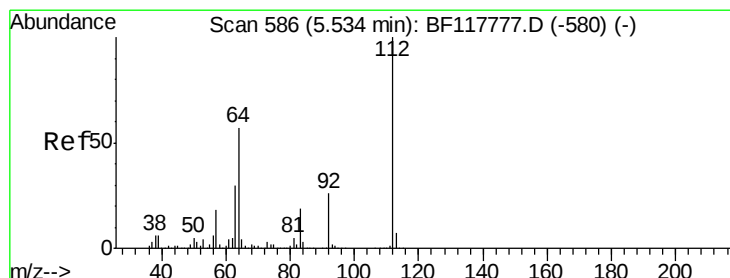
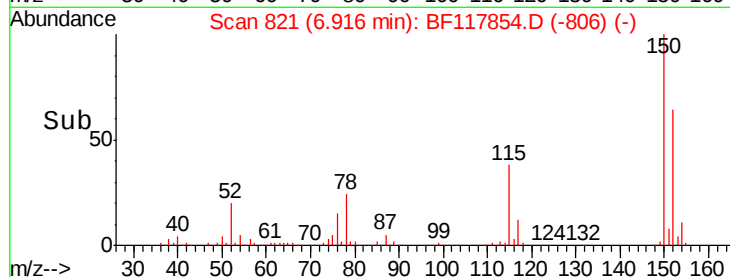
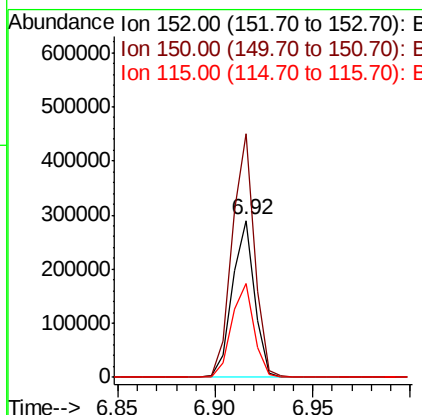
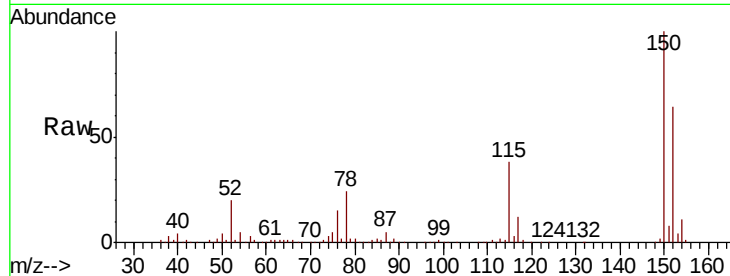
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF117854.D
 Acq: 19 Nov 2019 12:54

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-111419

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.3	187.9
115	59.4	47.0	70.4

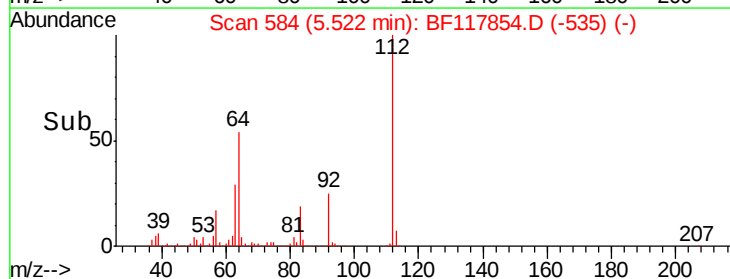
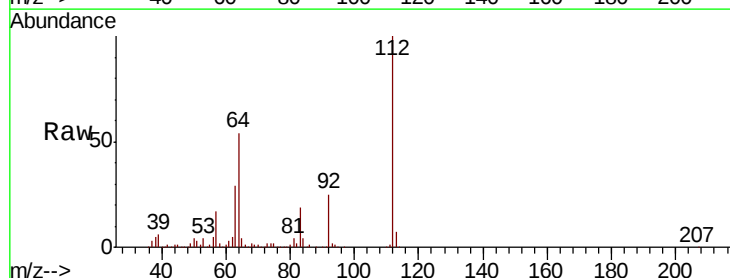
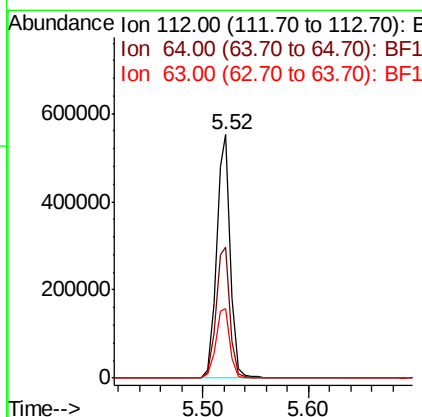
Manual Integrations
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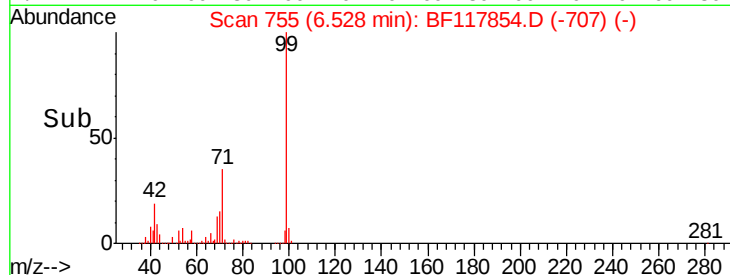
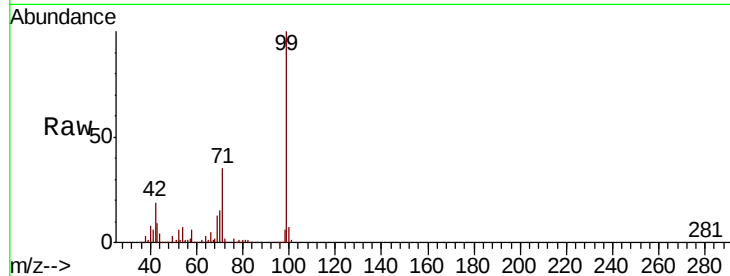
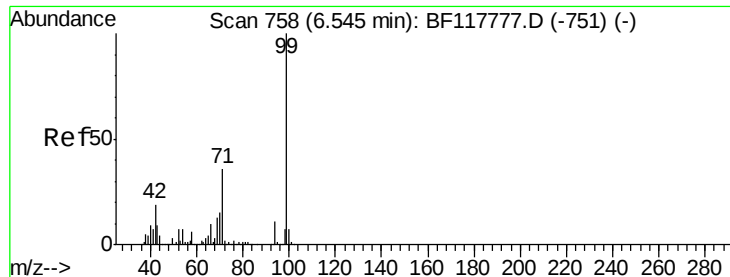
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#5
 2-Fluorophenol
 Concen: 39.771 ng
 RT: 5.52 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF117854.D
 Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	45.6	68.4
63	28.7	24.1	36.1





#7

Phenol-d6

Concen: 43.101 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF117854.D

Acq: 19 Nov 2019 12:54

Tot Ion:	99	Resp:	668704
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.9	22.3
71	35.0	28.6	43.0

Instrument :

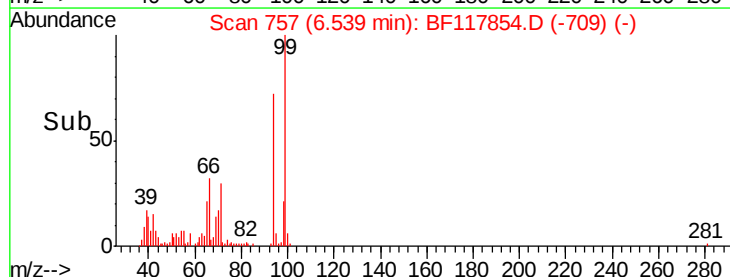
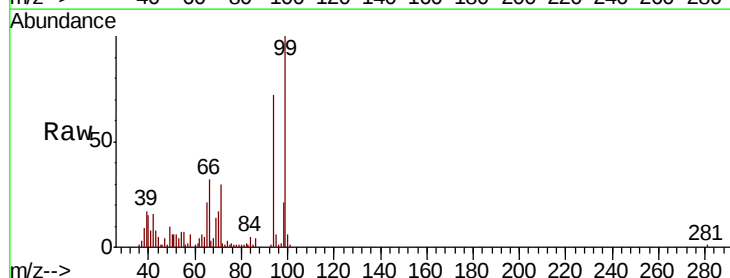
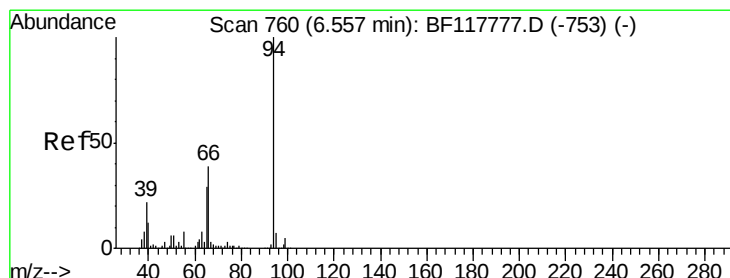
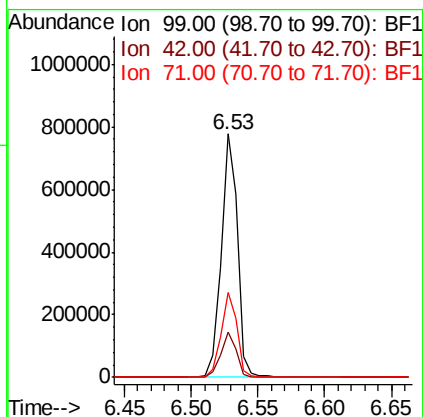
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.080 ng

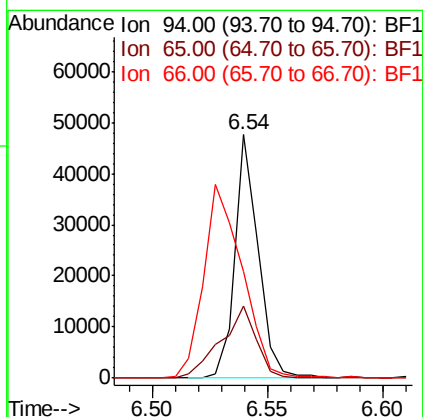
RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF117854.D

Acq: 19 Nov 2019 12:54

Tgt Ion:	94	Resp:	33528
Ion	Ratio	Lower	Upper
94	100		
65	29.7	8.9	48.9
66	44.0	18.7	58.7





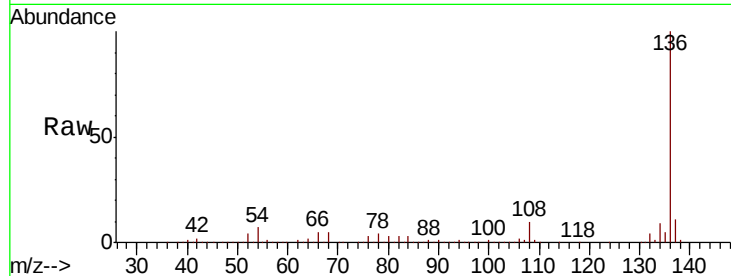
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

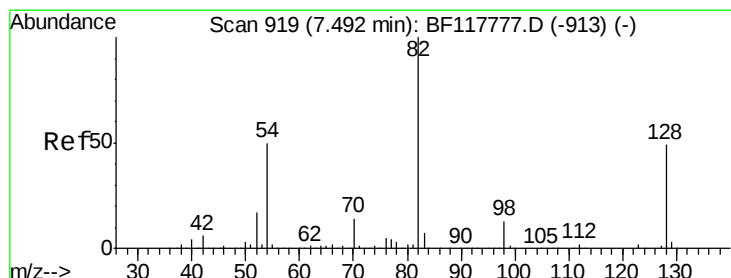
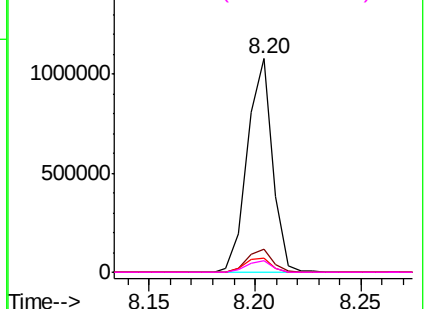
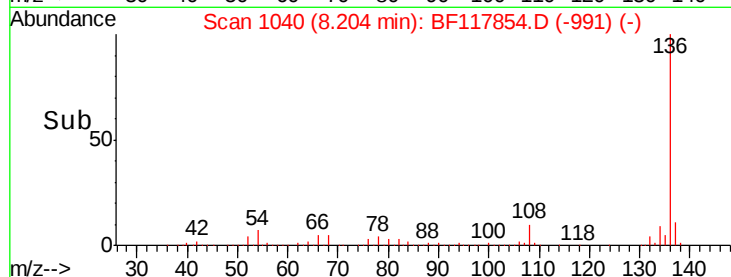
Tot Ion	Ratio	Resp	Lower	Upper
136	100	892270		
137	10.6		9.0	13.4
54	6.8		5.4	8.2
68	5.2		4.3	6.5

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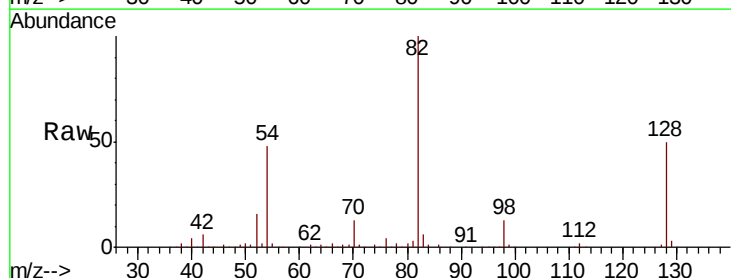


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

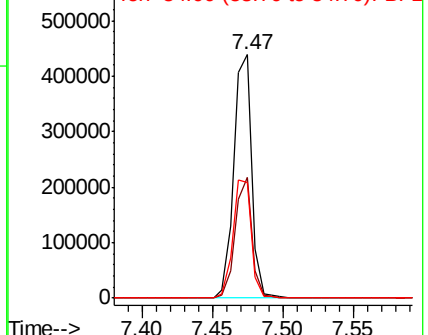
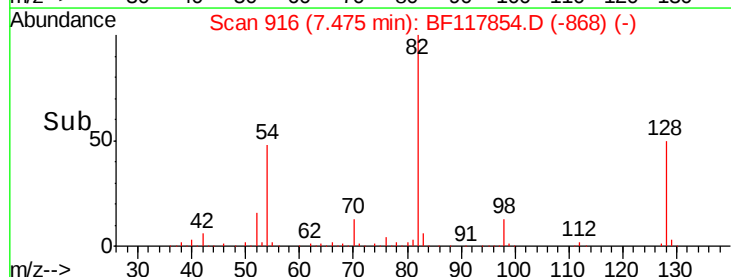


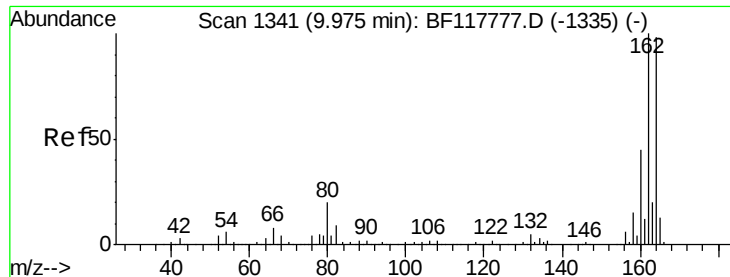
#23
Nitrobenzene-d5
Concen: 25.929 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	389193		
128	49.7		38.9	58.3
54	47.6		39.8	59.6



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





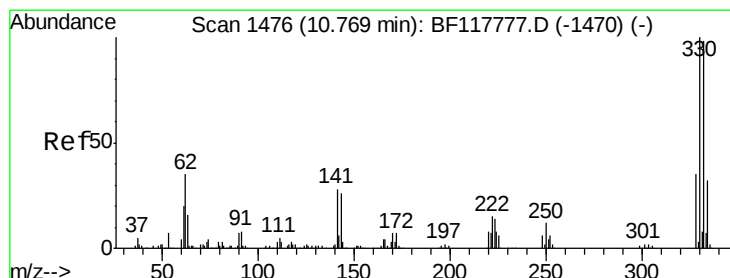
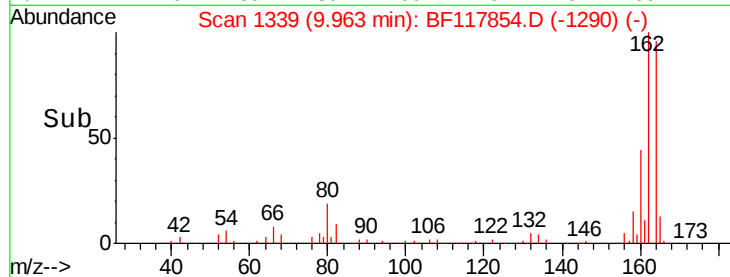
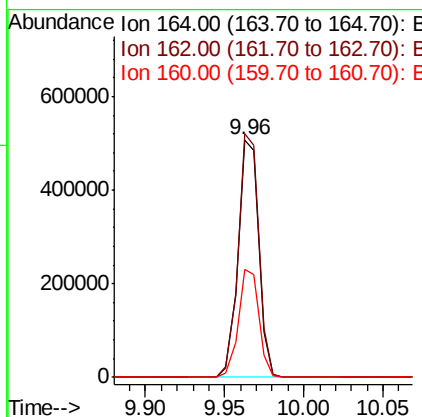
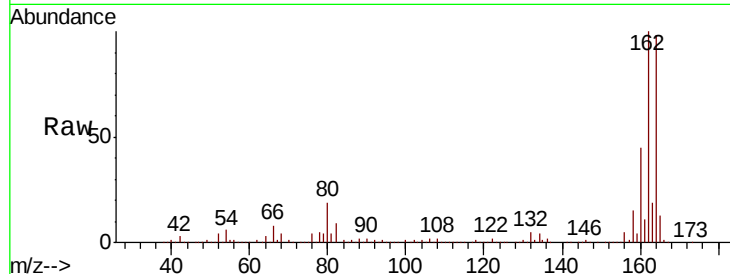
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	81.3	121.9	
160	45.6	36.6	55.0	

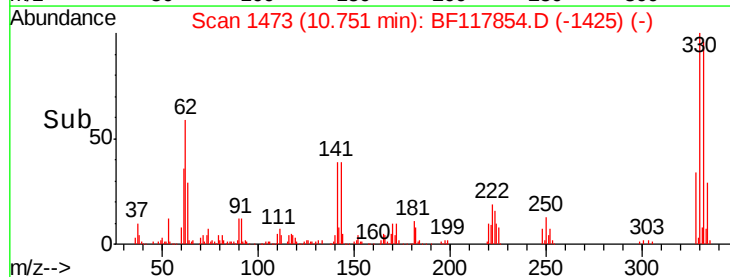
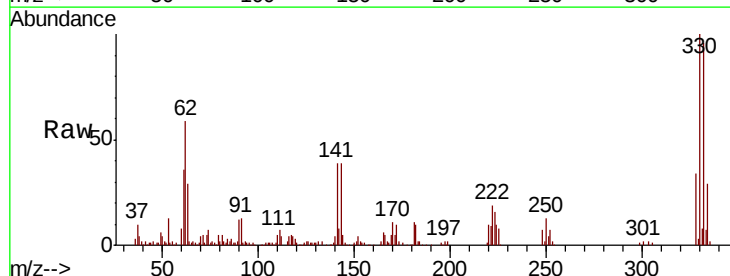
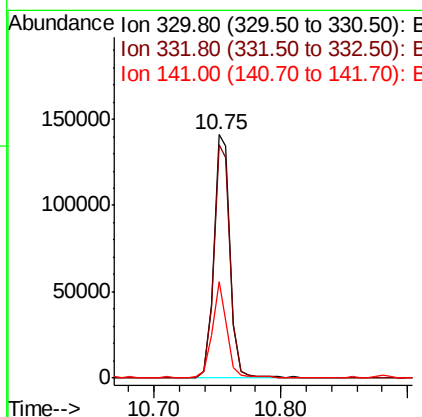
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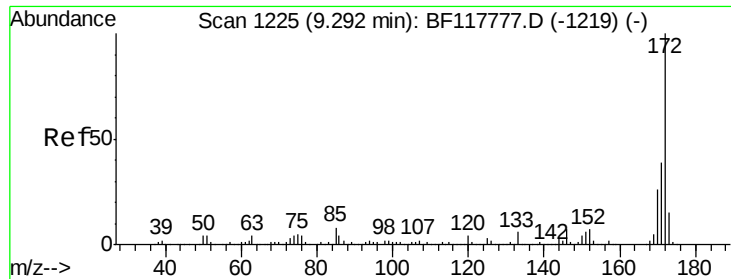
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#42
2,4,6-Tribromophenol
Concen: 26.497 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.02 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.7	115.1	
141	34.7	27.7	41.5	





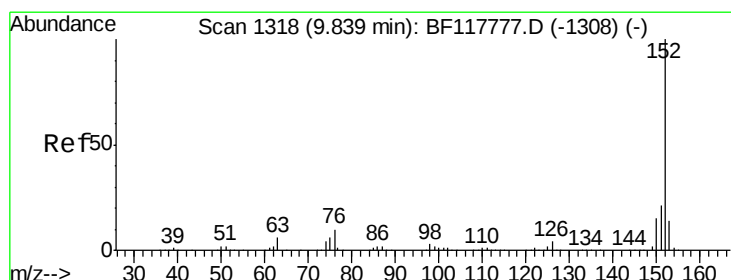
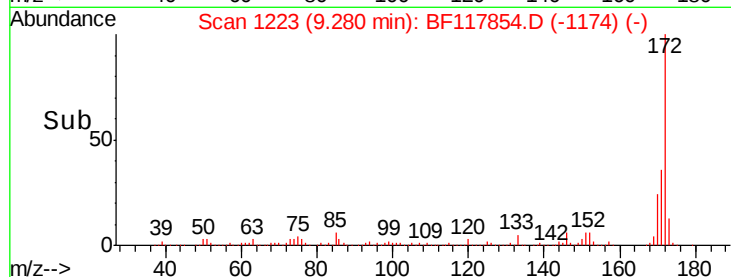
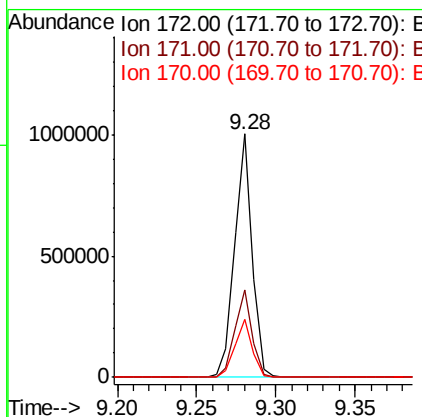
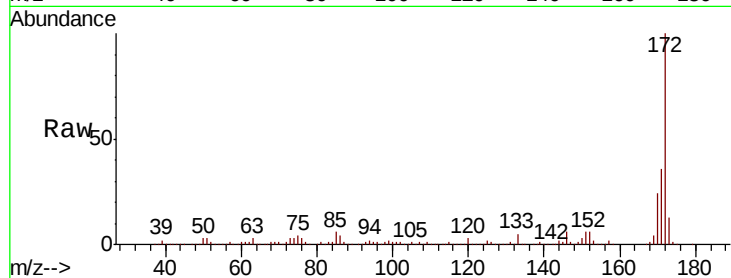
#45
2-Fluorobiphenyl
Concen: 30.211 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.9	46.3
170	23.8	21.0	31.4

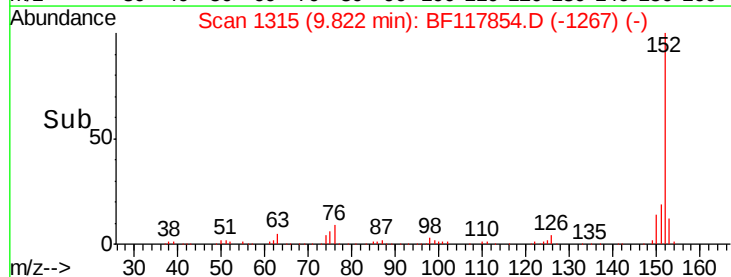
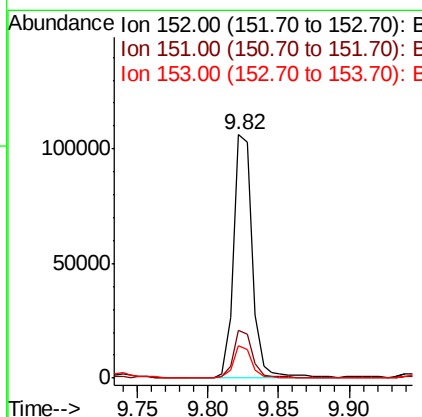
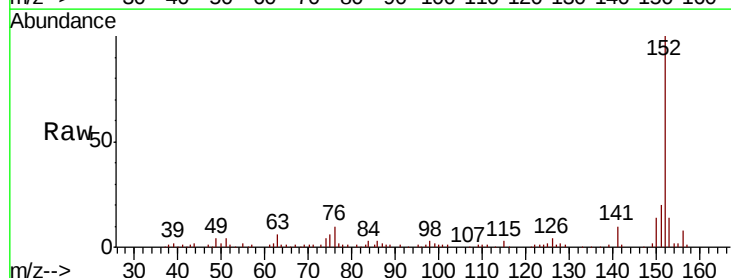
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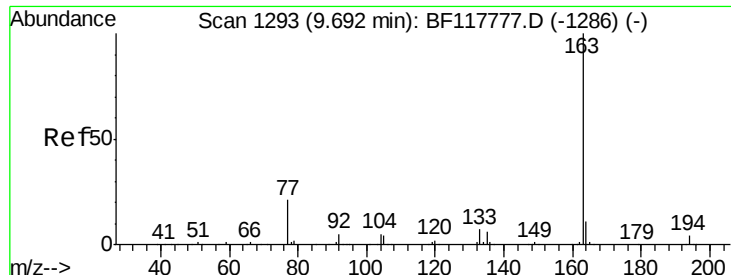
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#49
Acenaphthylene
Concen: 2.437 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.0	25.6
153	13.5	11.0	16.6





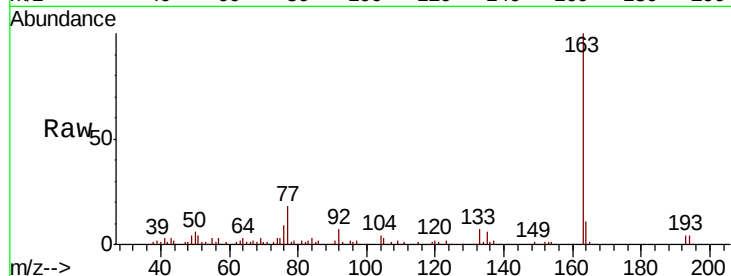
#50
Dimethylphthalate
Concen: 2.442 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

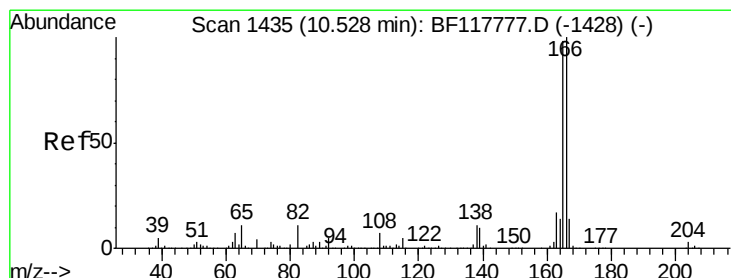
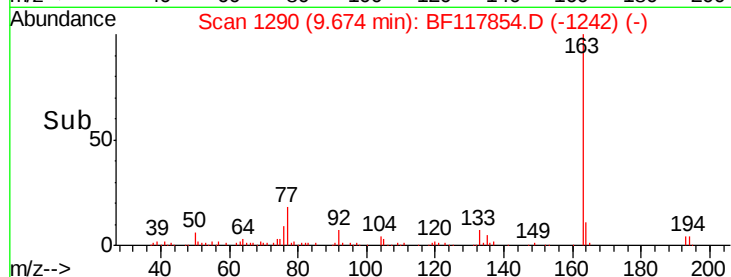
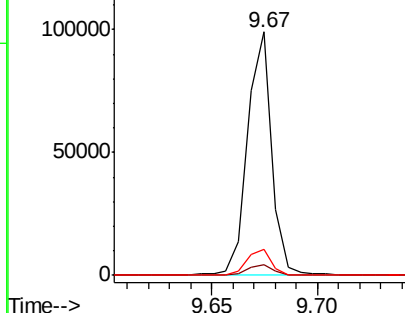
Tot Ion	Ratio	Resp	Lower	Upper
163	100	78694		
194	4.4		3.3	4.9
164	10.9		8.7	13.1

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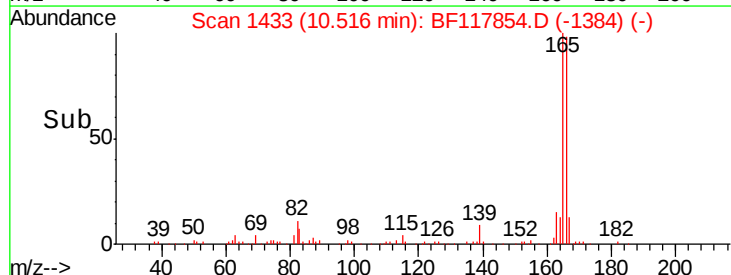
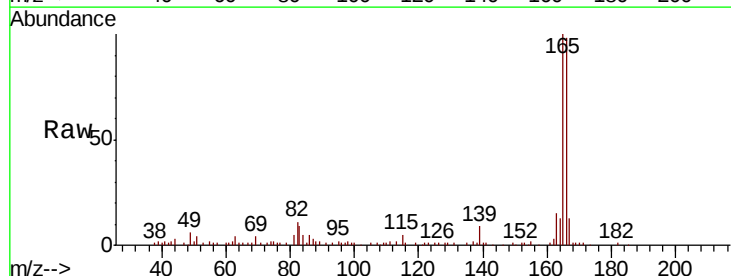
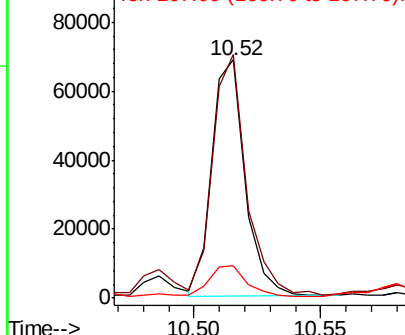
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

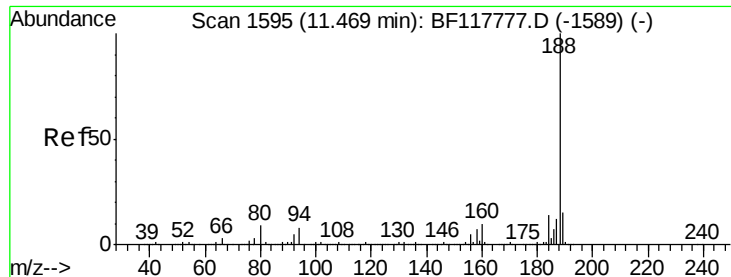


#58
Fluorene
Concen: 2.245 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	63112		
165	102.2		78.4	117.6
167	13.7		11.0	16.4

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117854.D

Acq: 19 Nov 2019 12:54

Instrument :

BNA_F

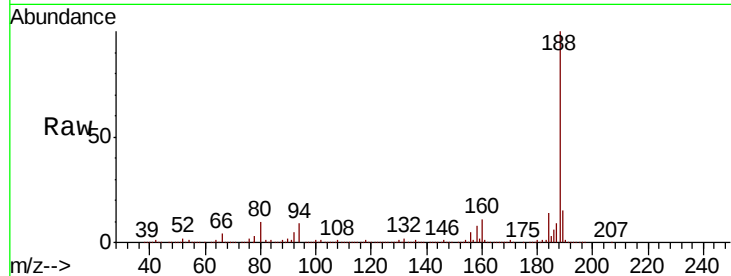
ClientSampleId :

OR-03-111419

Tot Ion:188	Resp:	771138
Ion Ratio	Lower	Upper
188 100		
94 9.0	6.6	10.0
80 10.0	7.2	10.8

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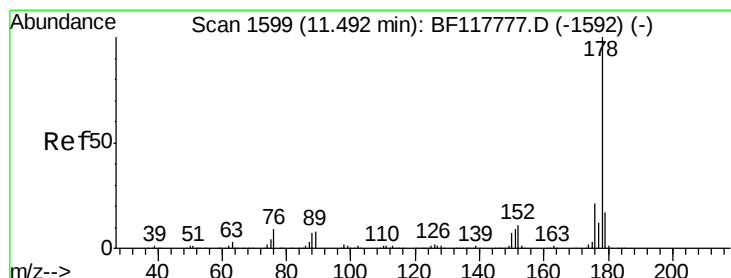
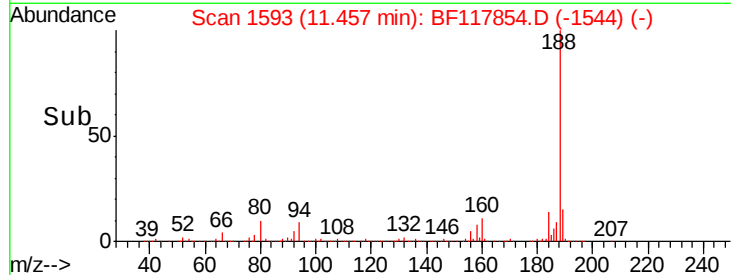
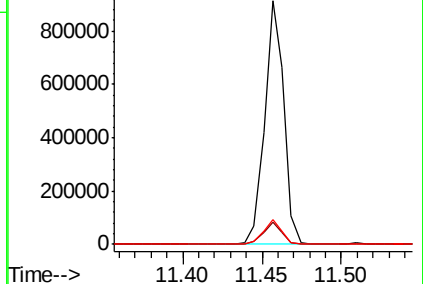
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 13.383 ng

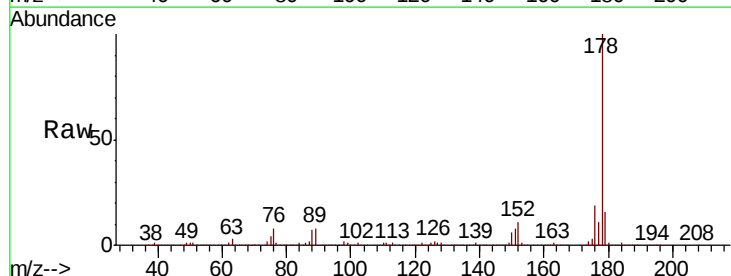
RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117854.D

Acq: 19 Nov 2019 12:54

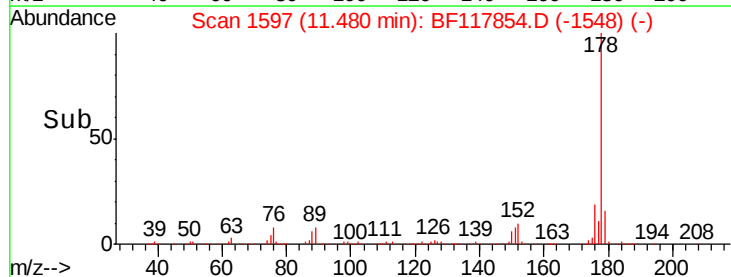
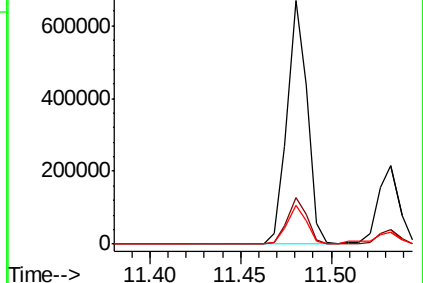
Tgt Ion:178	Resp:	518858
Ion Ratio	Lower	Upper
178 100		
176 19.1	16.6	25.0
179 15.7	13.2	19.8

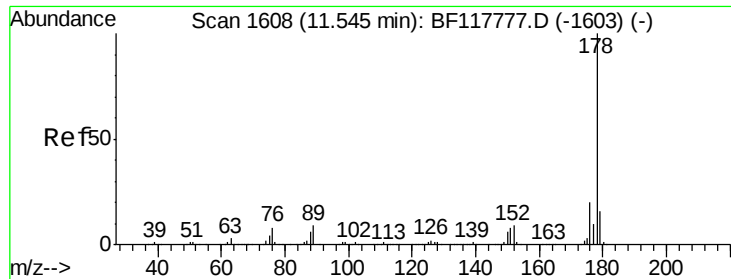


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





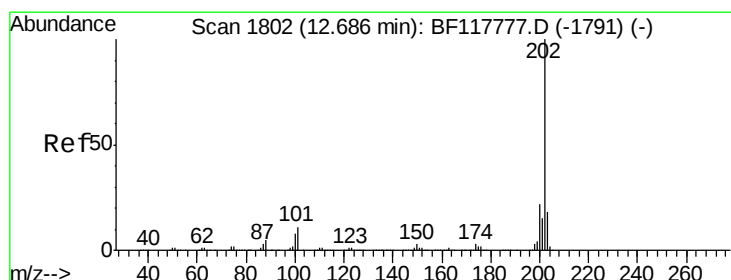
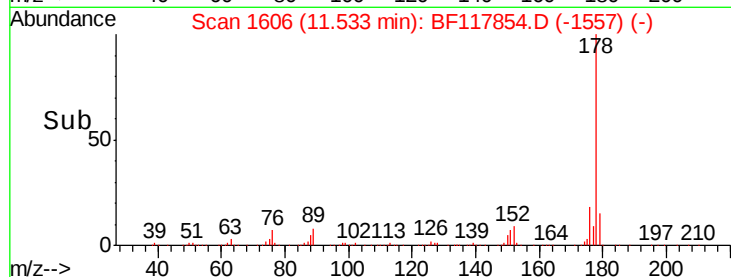
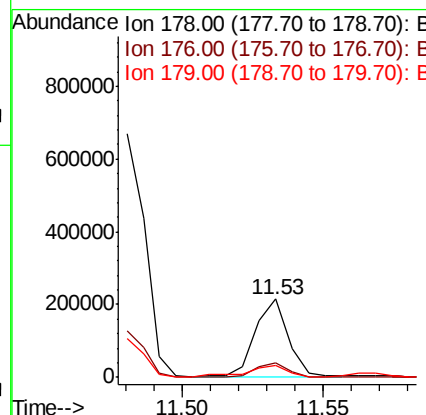
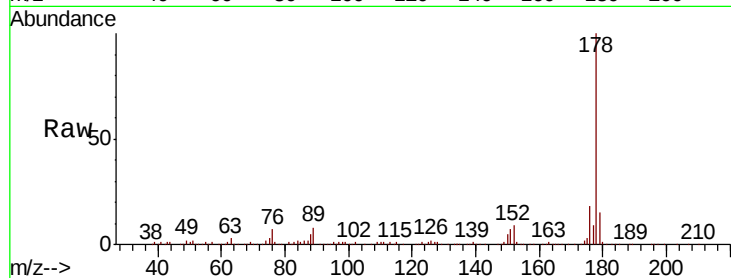
#72
 Anthracene
 Concen: 4.474 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF117854.D
 Acq: 19 Nov 2019 12:54

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-111419

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.1	24.1
179	15.3	13.0	19.4

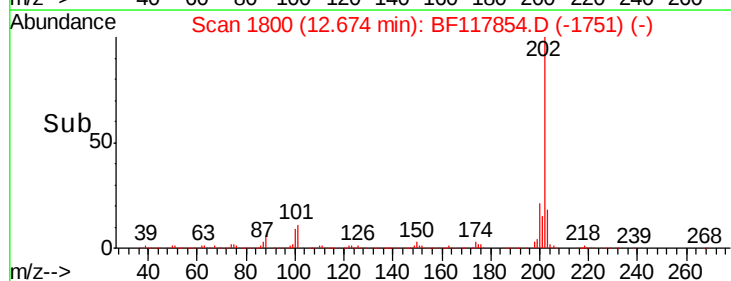
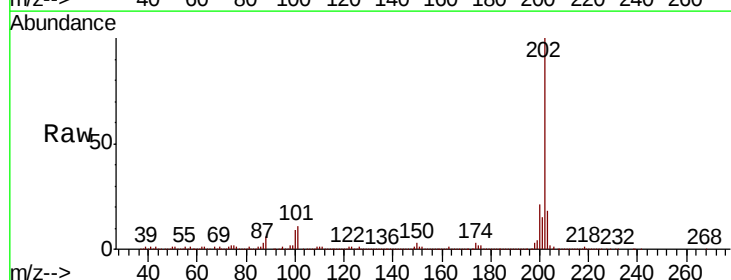
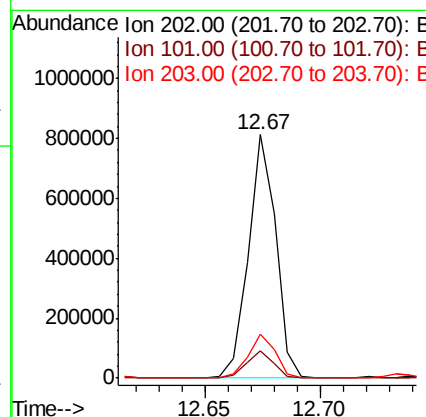
Manual Integrations
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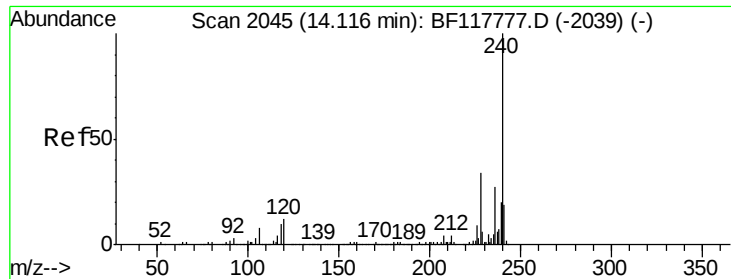
mohammad
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#75
 Fluoranthene
 Concen: 13.871 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF117854.D
 Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.1
203	17.8	0.0	38.2





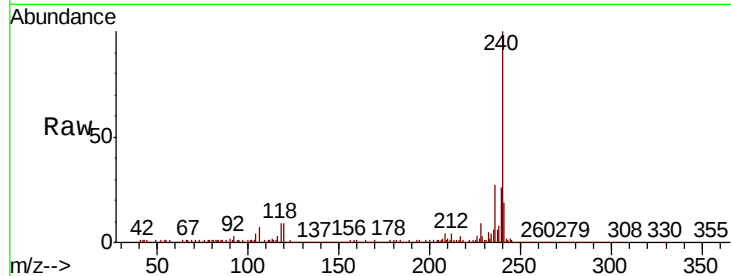
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	27.1	21.3	31.9

Manual Integrations
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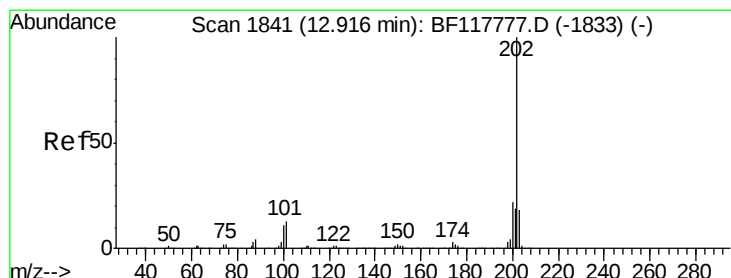
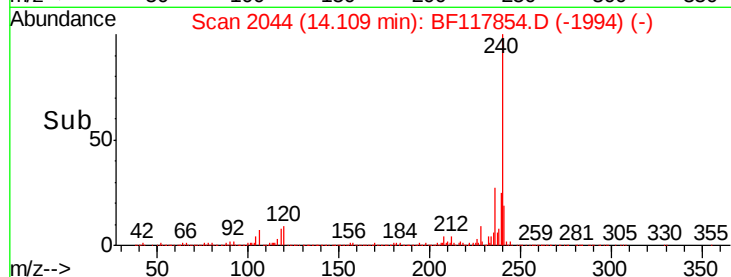
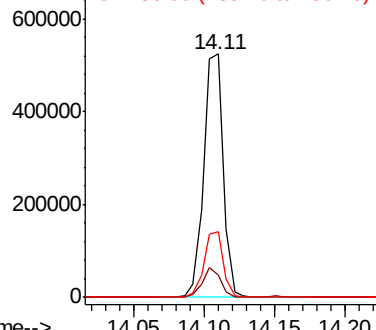


Abundance

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



#78
Pyrene
Concen: 15.373 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

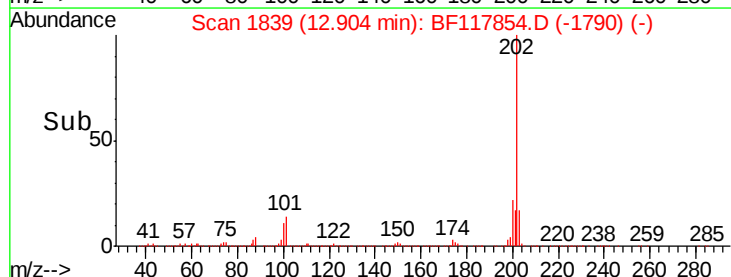
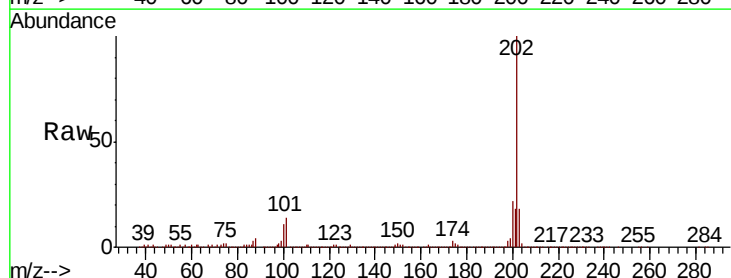
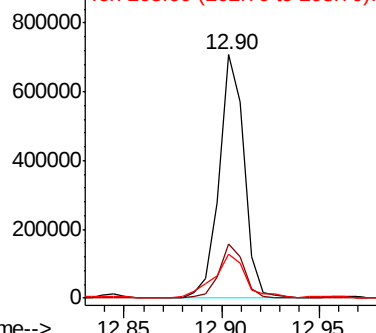
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.8	26.8
203	18.1	14.6	22.0

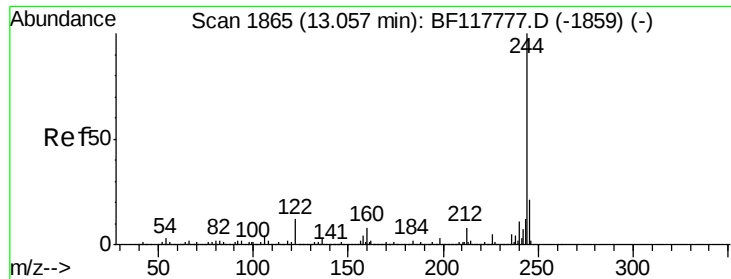
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





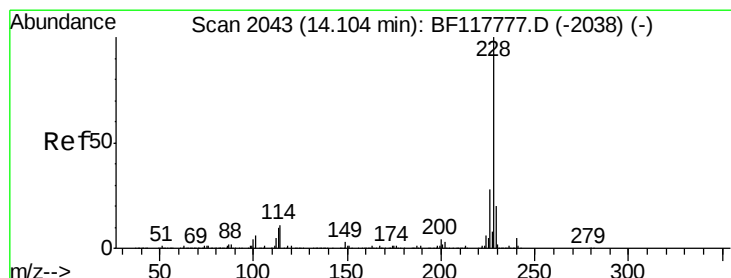
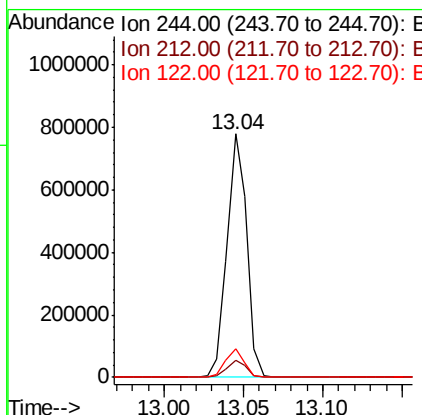
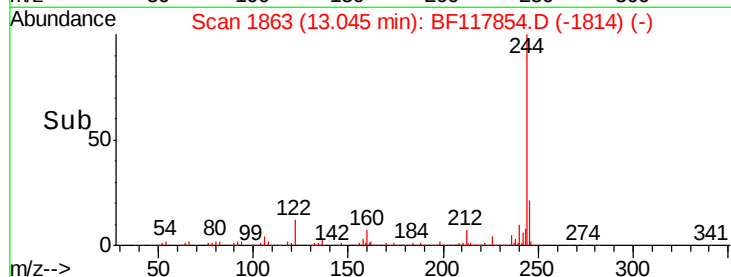
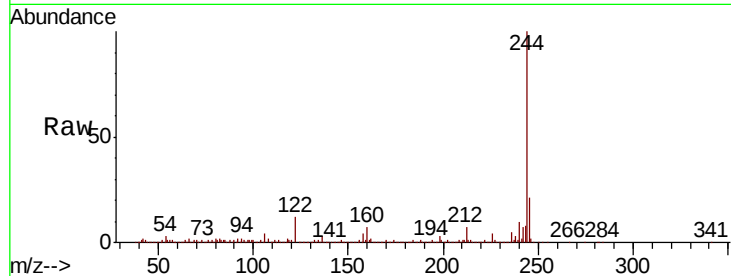
#79
 Terphenyl-d14
 Concen: 24.325 ng
 RT: 13.04 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BF117854.D
 Acq: 19 Nov 2019 12:54

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-111419

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	11.7	9.4	14.2

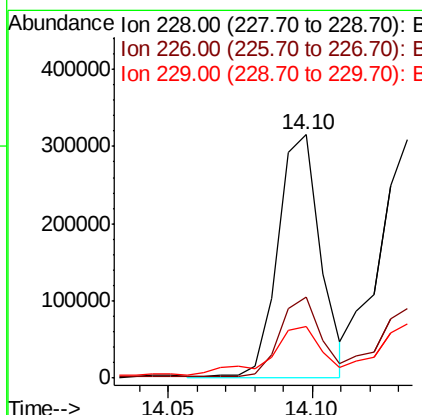
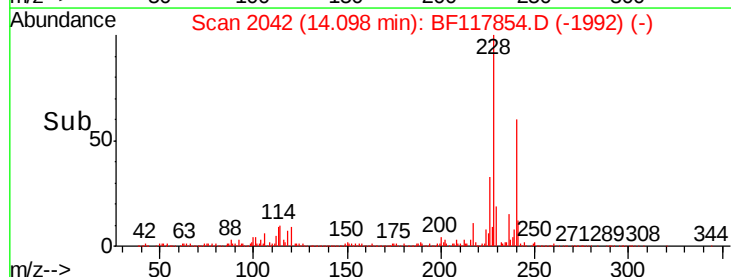
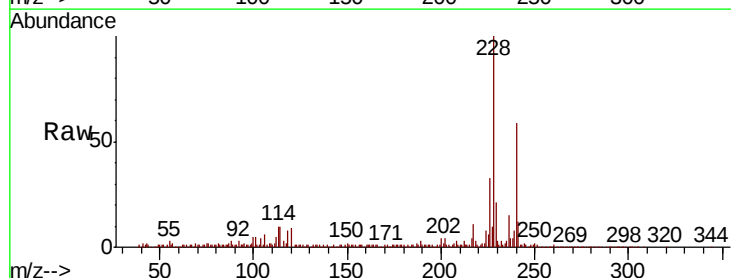
Manual Integrations
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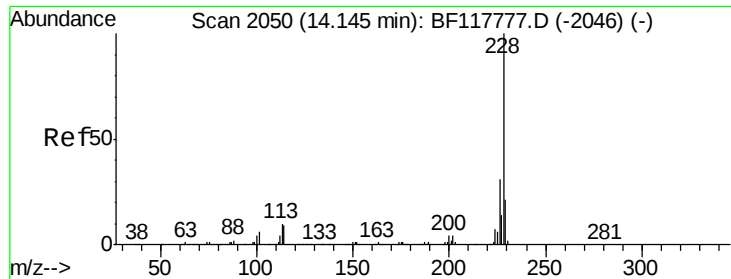
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#81
 Benzo(a)anthracene
 Concen: 9.756 ng m
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117854.D
 Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.2	33.2#
229	21.1	15.9	23.9





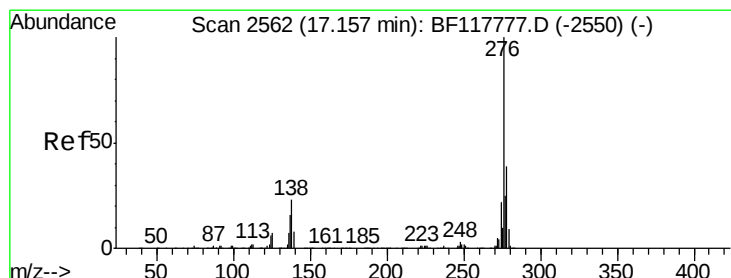
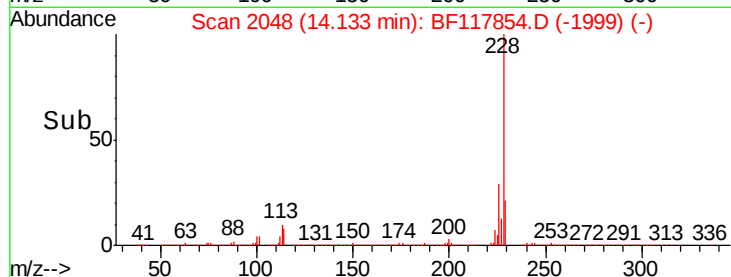
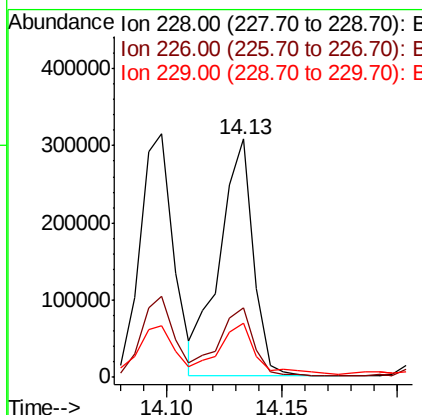
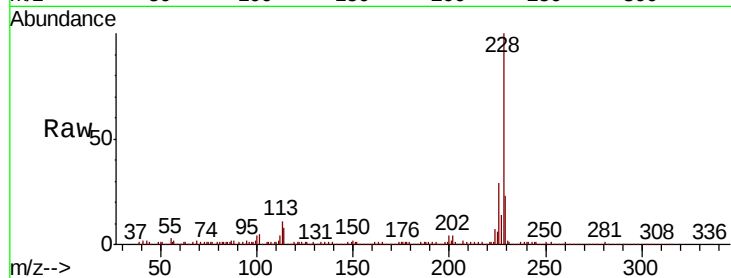
#83
Chrysene
Concen: 9.596 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

Tot Ion:	228	Resp:	308763
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.4
229	22.9	16.6	25.0

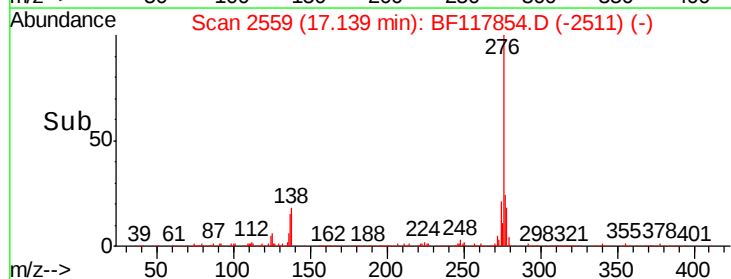
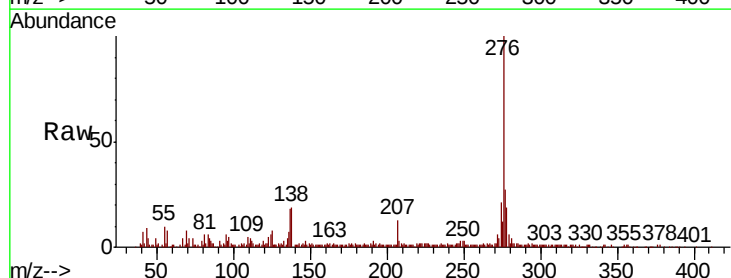
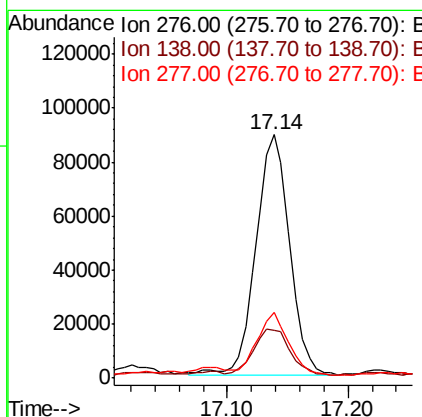
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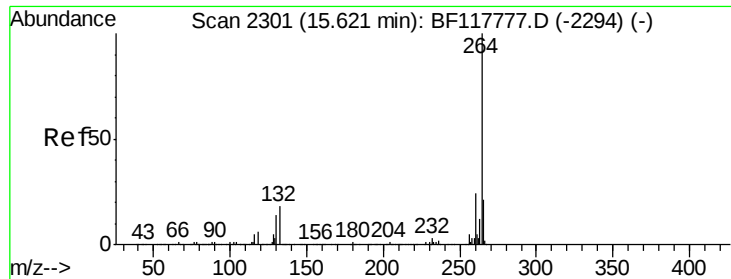
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.253 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Tgt Ion:	276	Resp:	171249
Ion Ratio	Lower	Upper	
276	100		
138	21.1	20.9	31.3
277	25.3	20.3	30.5





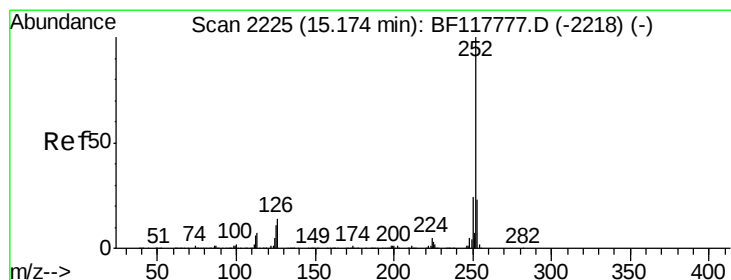
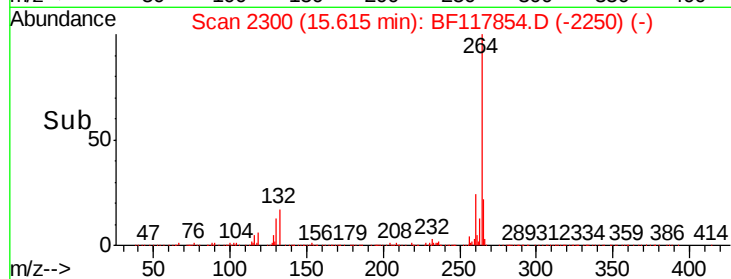
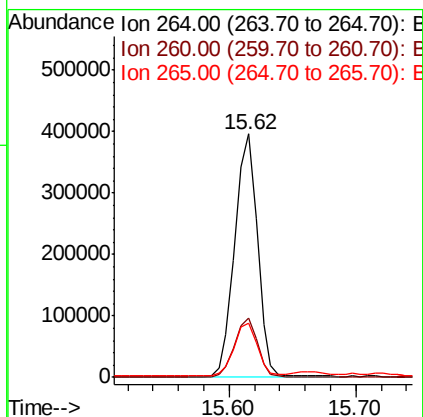
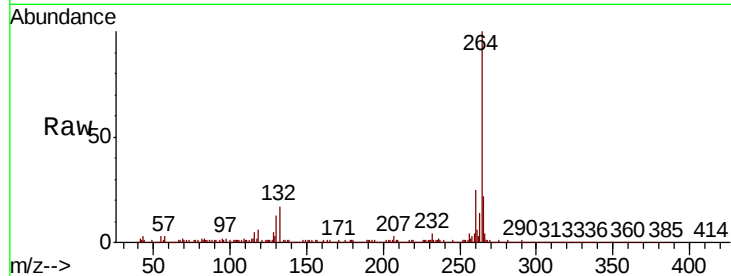
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.0
265	22.1	17.1	25.7

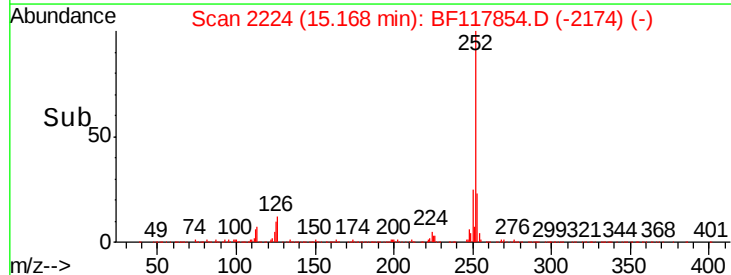
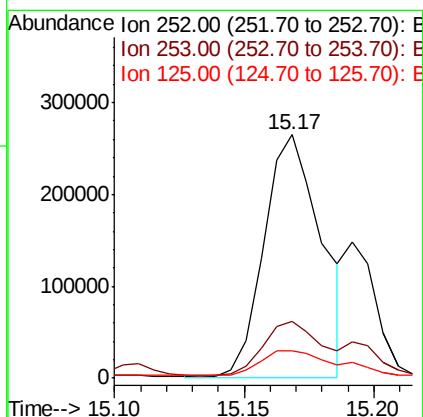
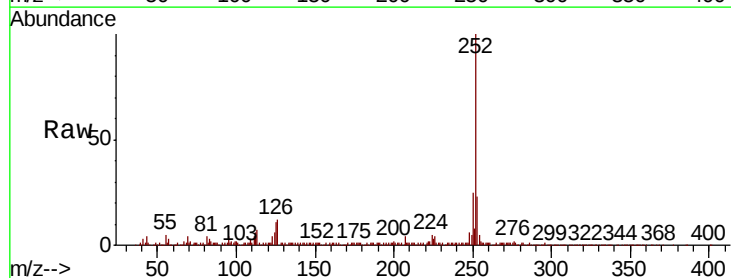
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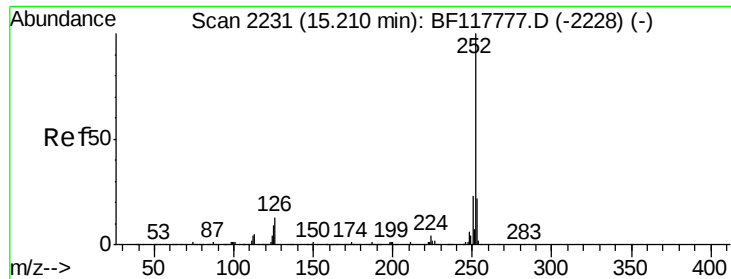
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#88
Benzo(b)fluoranthene
Concen: 12.982 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.3	8.6	13.0





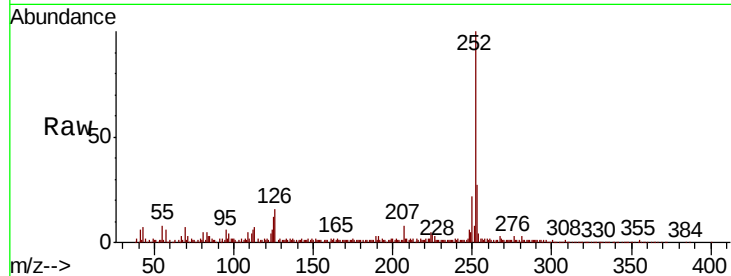
#89
Benzo(k)fluoranthene
Concen: 4.090 ng m
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :
OR-03-111419

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	12.0	7.9	11.9#

Manual Integrations
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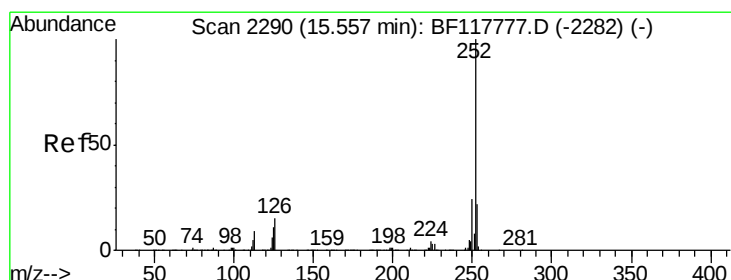
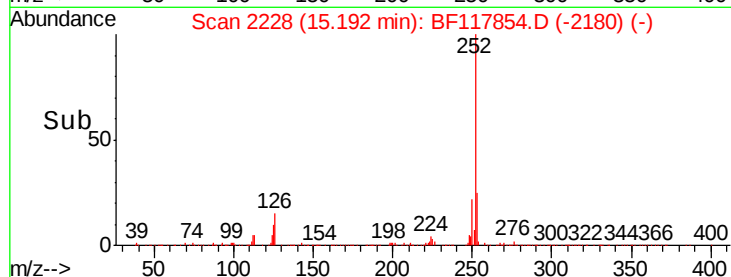
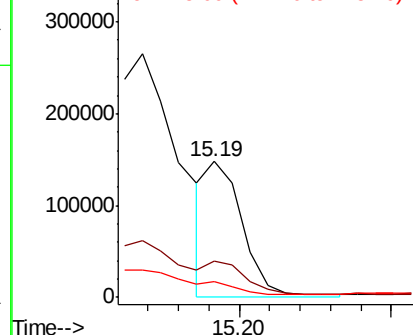


Abundance

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



#90
Benzo(a)pyrene
Concen: 10.752 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117854.D
Acq: 19 Nov 2019 12:54

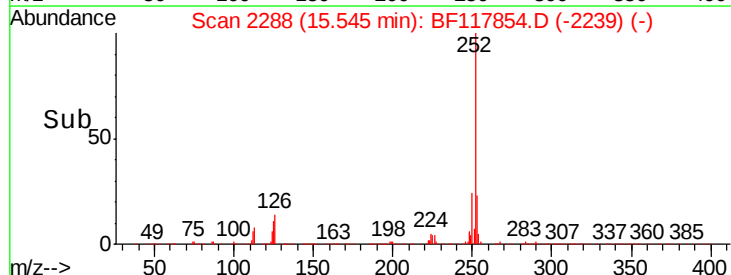
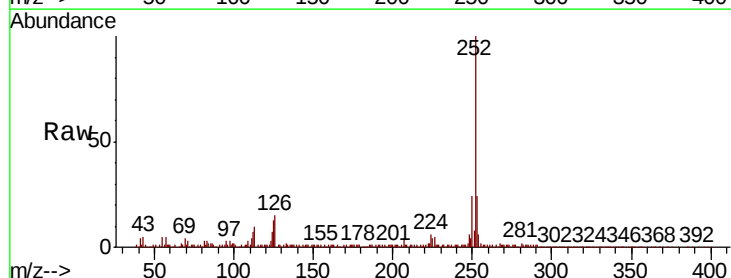
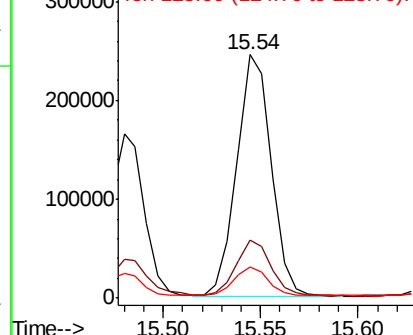
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.8	9.2	13.8

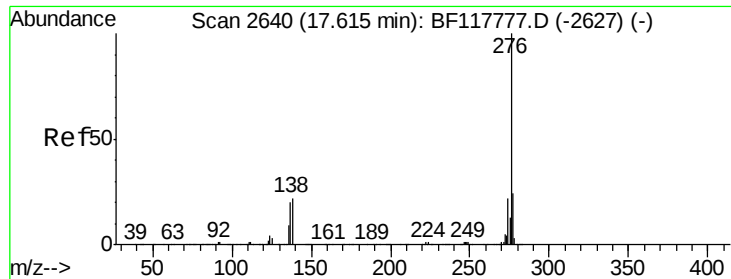
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 7.118 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. -0.02 min
 Lab File: BF117854.D
 Acq: 19 Nov 2019 12:54

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-111419

Tot Ion:	276	Resp:	170727
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.9	28.3
138	21.6	17.4	26.2

Manual Integrations
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