

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117909.D
 Acq On : 21 Nov 2019 13:53
 Operator : JU
 Sample : K5932-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027-1A-415

Manual Integrations
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 11/22/2019 1:20:53 PM

Quant Time: Nov 21 15:42:57 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	135520	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	636872	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	351656	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	683848	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	456781	20.00	ng	-0.01
87) Perylene-d12	15.62	264	516792	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	789221	103.08	ng	0.00
7) Phenol-d6	6.54	99	1018873	110.33	ng	0.00
23) Nitrobenzene-d5	7.47	82	693045	64.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	349517	93.88	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1389680	70.90	ng	-0.01
79) Terphenyl-d14	13.05	244	1598374	63.95	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.67	163	313286	12.704	ng	98
71) Phenanthrene	11.48	178	277508	8.071	ng	97
75) Fluoranthene	12.67	202	650889	15.928	ng	98
78) Pyrene	12.90	202	580017	15.712	ng	98
81) Benzo(a)anthracene	14.10	228	295780	9.799	ng	97
83) Chrysene	14.13	228	290771	9.941	ng	97
84) Bis(2-ethylhexyl)phthalate	14.08	149	40772	2.121	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	190405	7.649	ng	94
88) Benzo(b)fluoranthene	15.17	252	417558m	12.436	ng	
89) Benzo(k)fluoranthene	15.19	252	116587m	3.685	ng	
90) Benzo(a)pyrene	15.54	252	275967	9.347	ng	99
92) Benzo(a,h,i)perylene	17.61	276	182868	7.225	ng	98

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

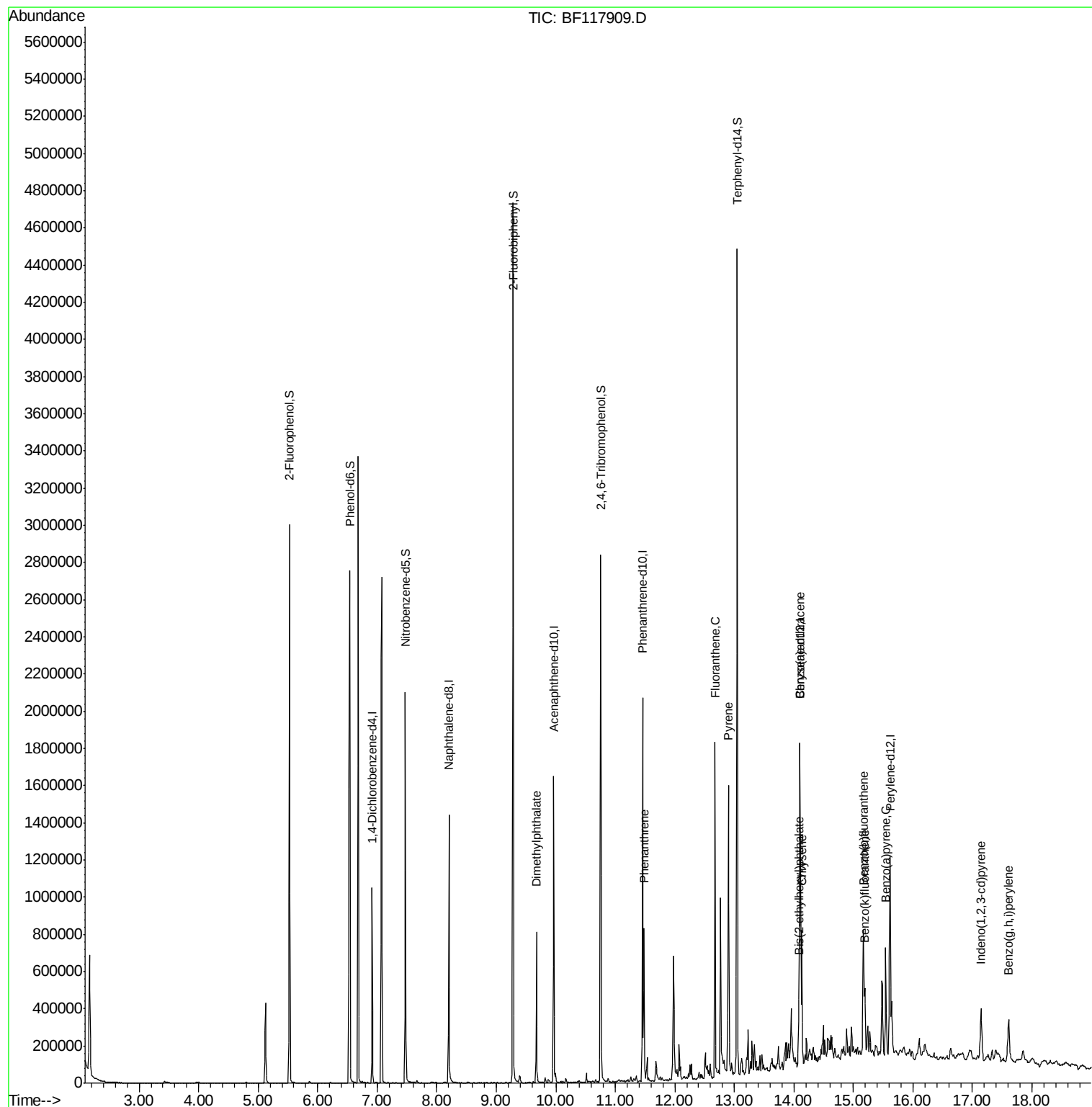
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
Data File : BF117909.D
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Operator : JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

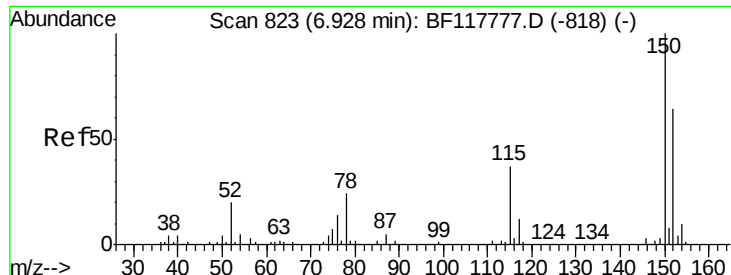
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

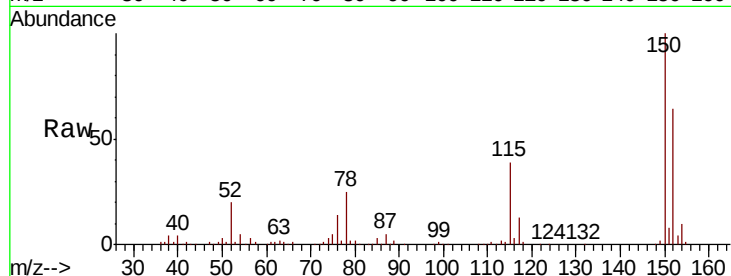
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.3	187.9
115	61.0	47.0	70.4

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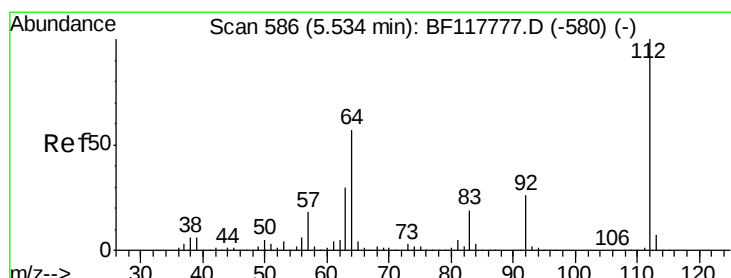
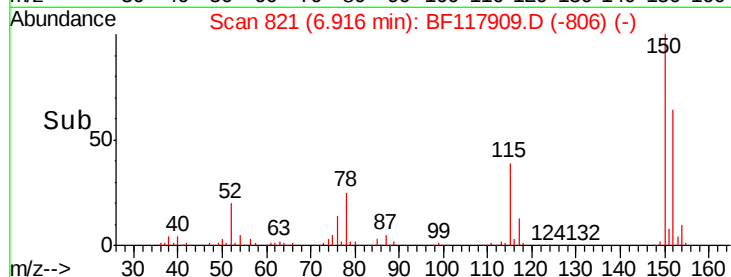
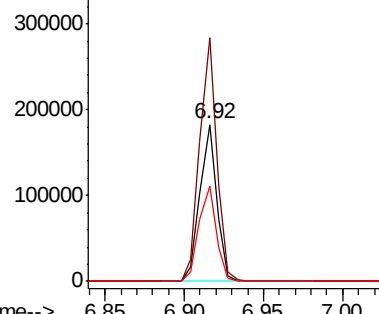


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

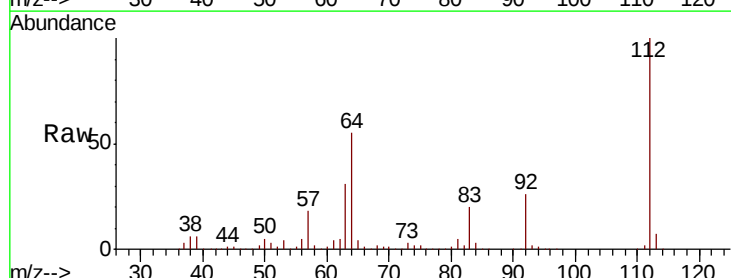
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.085 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.6	68.4
63	30.6	24.1	36.1

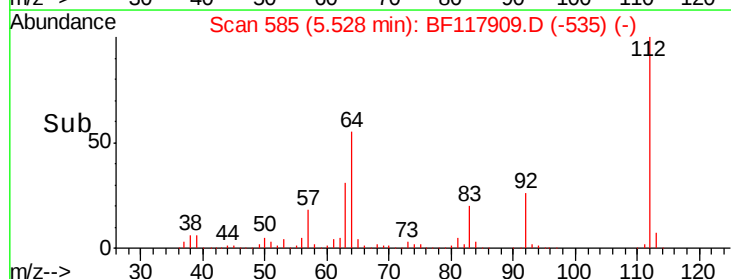
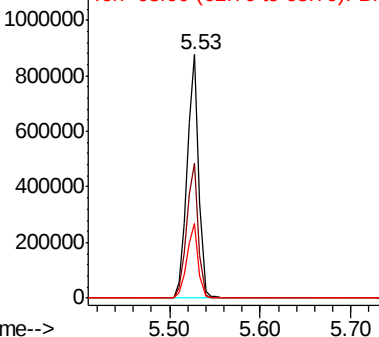


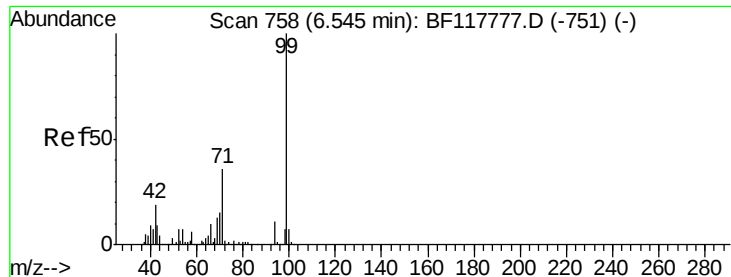
Abundance

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





#7

Phenol-d6

Concen: 110.334 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

ClientSampleId :

RBR200027-1A-415

Tot Ion: 99 Resp: 1018873

Ion Ratio Lower Upper

99 100

42 17.4 14.9 22.3

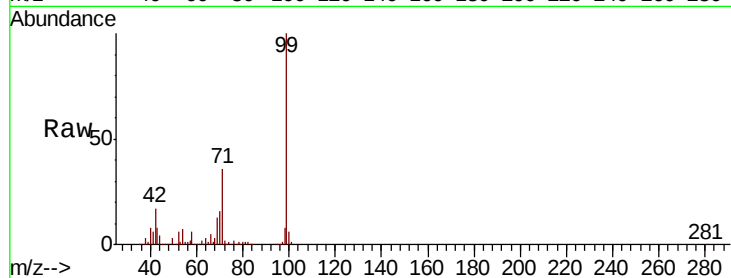
71 35.6 28.6 43.0

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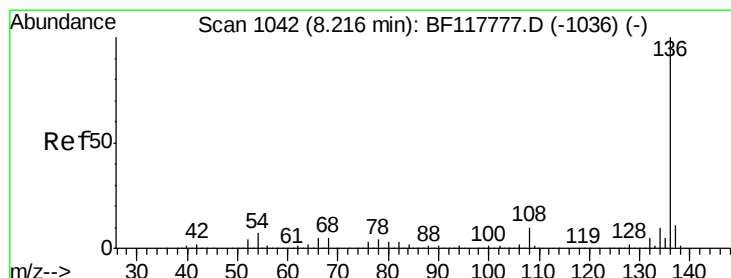
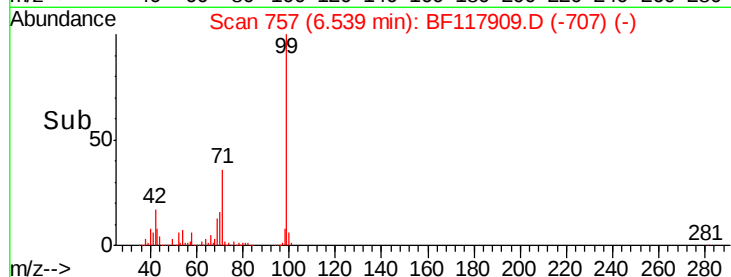
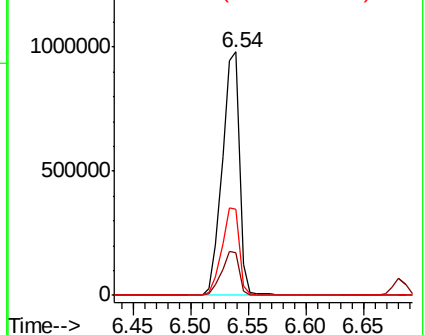
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Tgt Ion: 136 Resp: 636872

Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.8 5.4 8.2

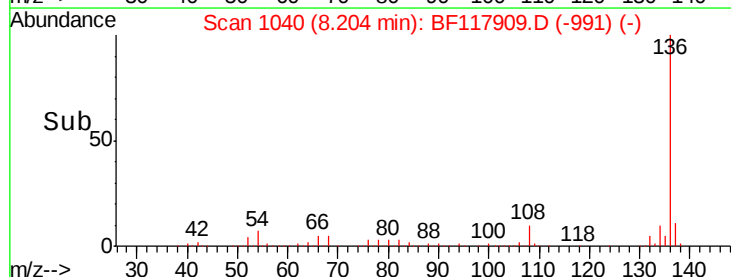
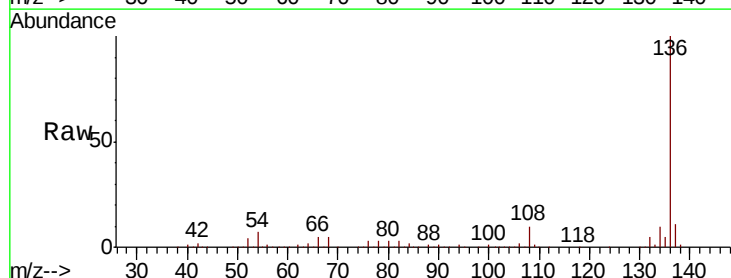
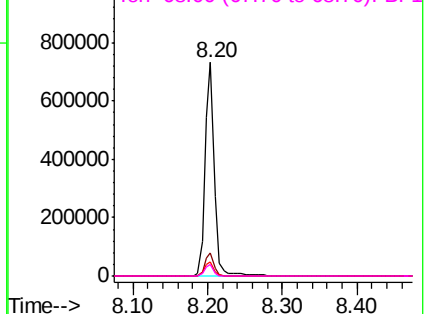
68 5.3 4.3 6.5

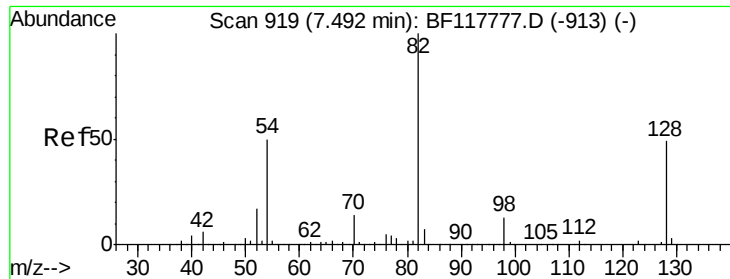
Abundance Ion 136.00 (135.70 to 136.70): E

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





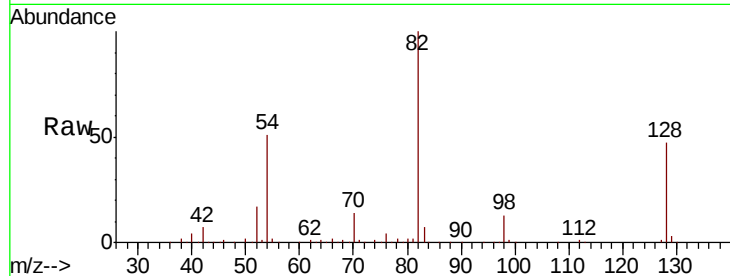
#23
Nitrobenzene-d5
Concen: 64.689 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

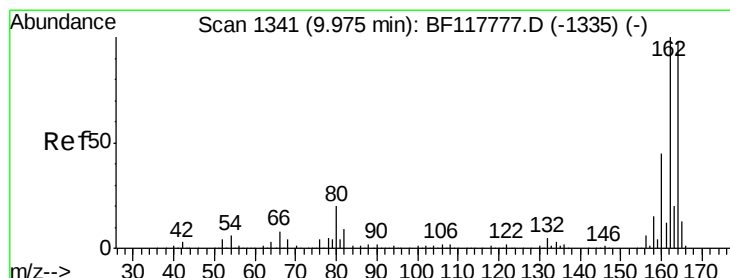
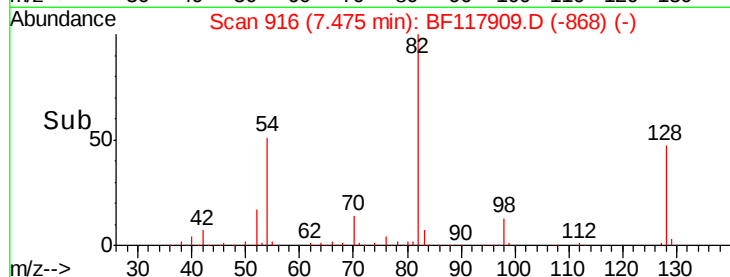
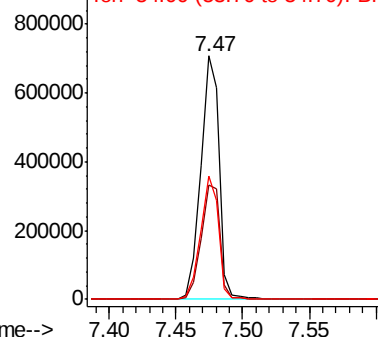
Tot Ion	Ratio	Resp	Lower	Upper
82	100	693045		
128	47.1		38.9	58.3
54	50.9		39.8	59.6

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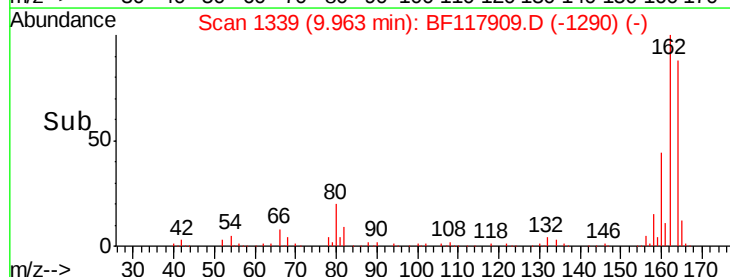
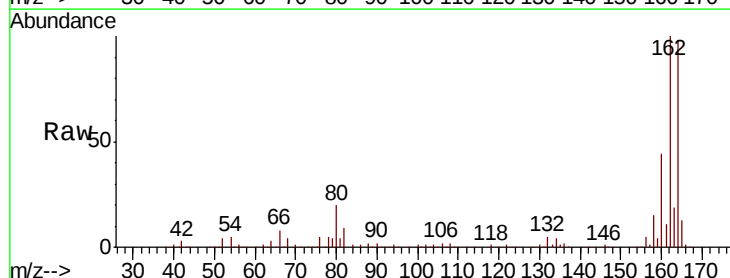
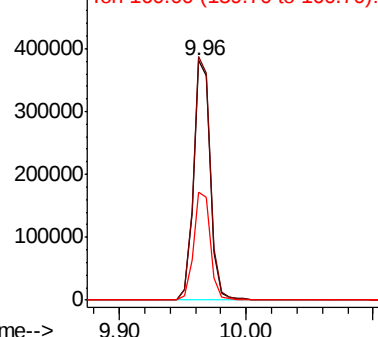
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

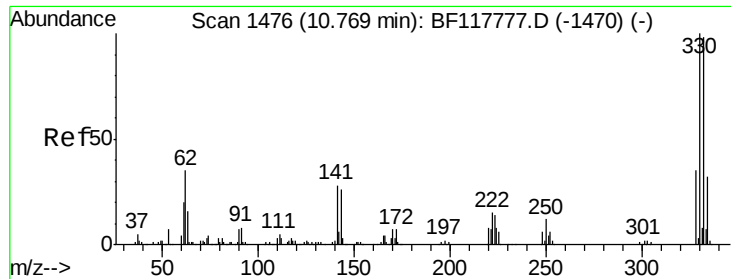


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	351656		
162	101.7		81.3	121.9
160	45.0		36.6	55.0

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: 93.882 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

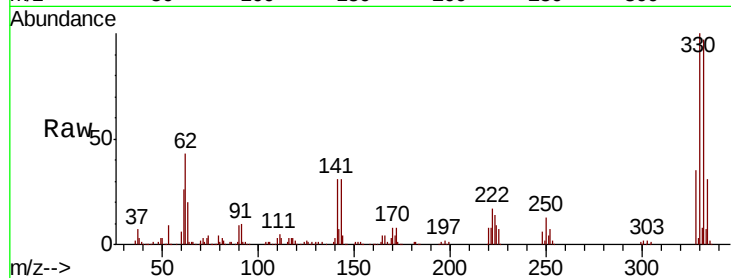
ClientSampleId :

RBR200027-1A-415

Tot Ion	Ratio	Resp	Lower	Upper
330	100	349517		
332	96.6	76.7	115.1	
141	33.9	27.7	41.5	

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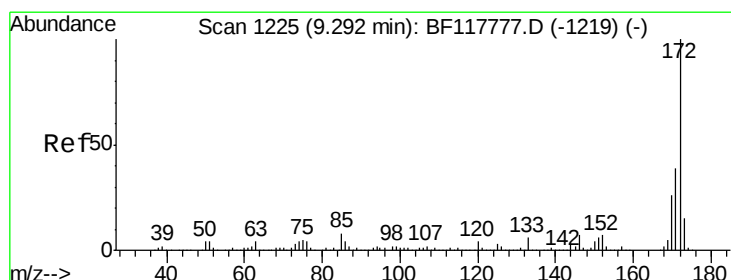
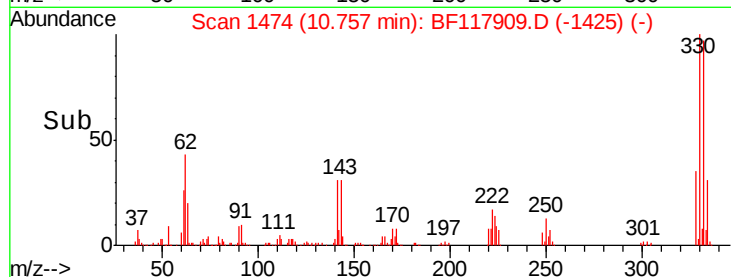
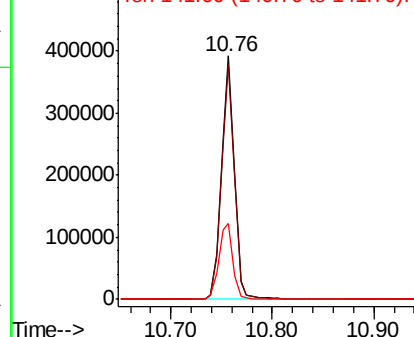


Abundance

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: 70.897 ng

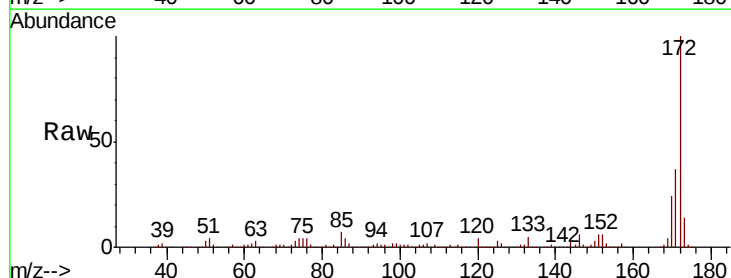
RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1389680		
171	36.5	30.9	46.3	
170	24.4	21.0	31.4	

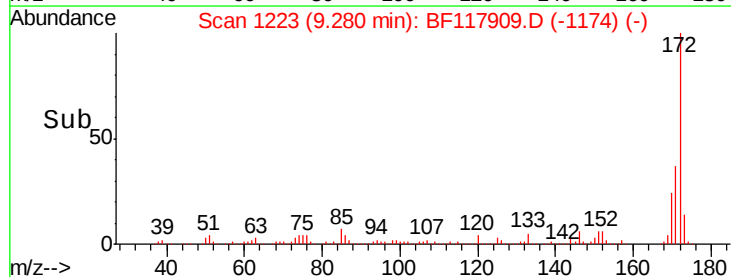
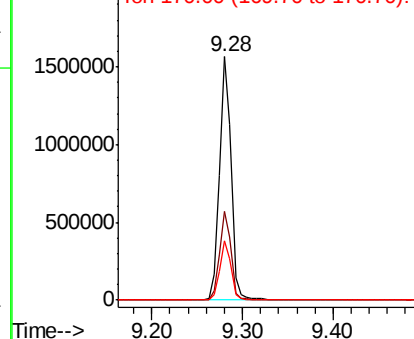


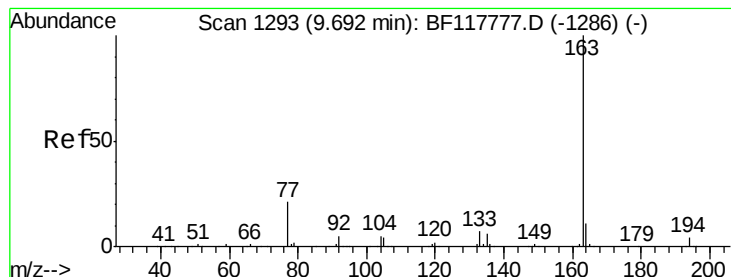
Abundance

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: 12.704 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

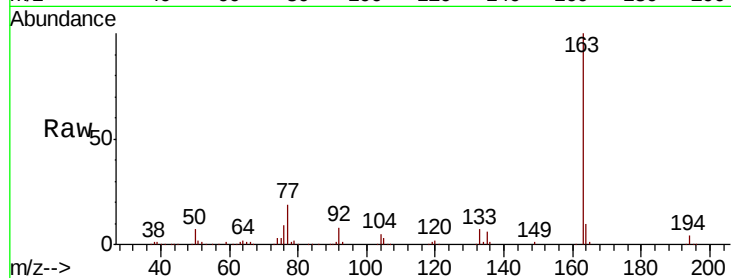
ClientSampleId :

RBR200027-1A-415

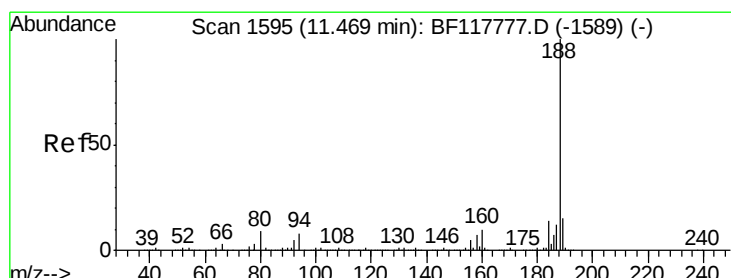
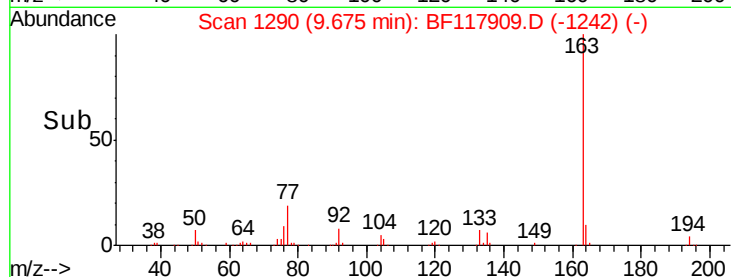
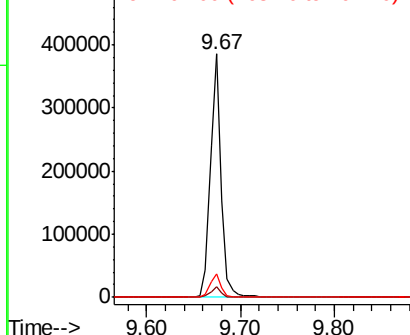
Tot Ion:	163	Resp:	313286
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.3	4.9
164	9.9	8.7	13.1

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

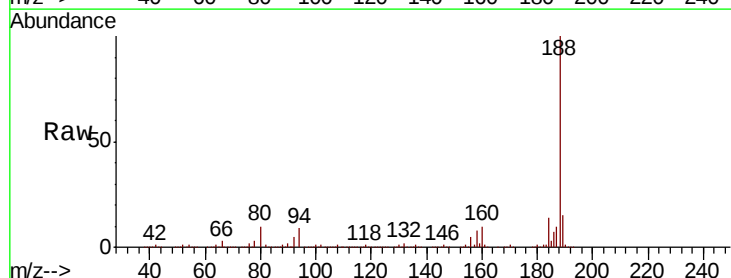
RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

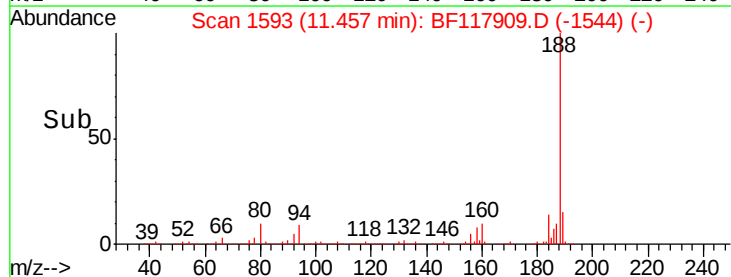
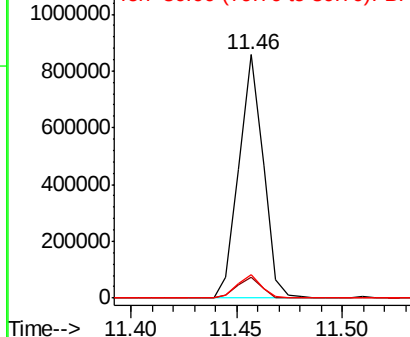
Lab File: BF117909.D

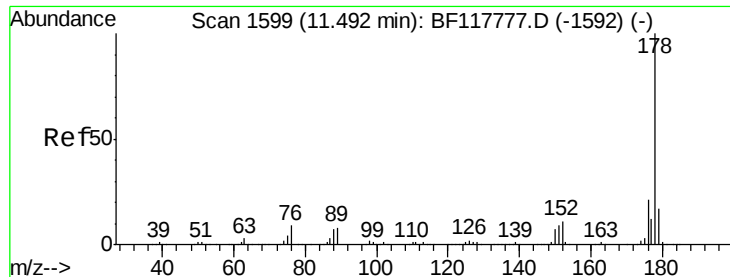
Acq: 21 Nov 2019 13:53

Tgt Ion:	188	Resp:	683848
Ion Ratio	Lower	Upper	
188	100		
94	8.7	6.6	10.0
80	9.7	7.2	10.8



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: 8.071 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

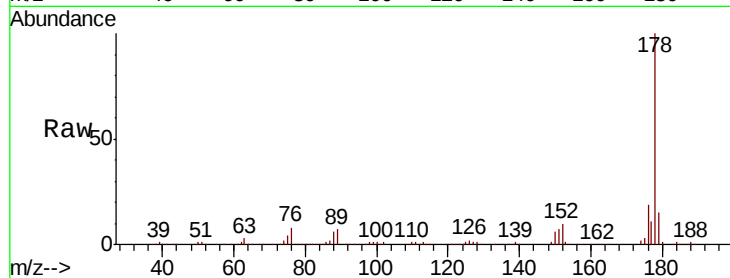
ClientSampleId :

RBR200027-1A-415

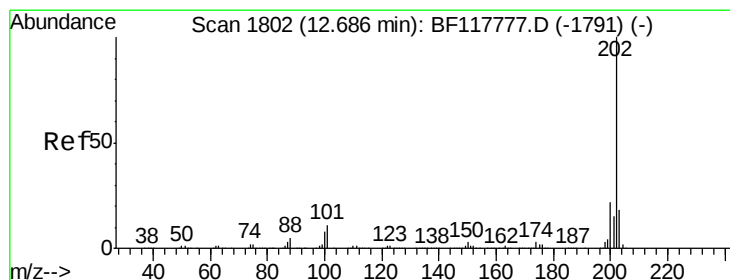
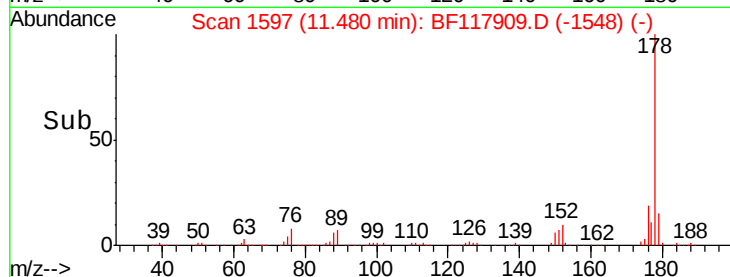
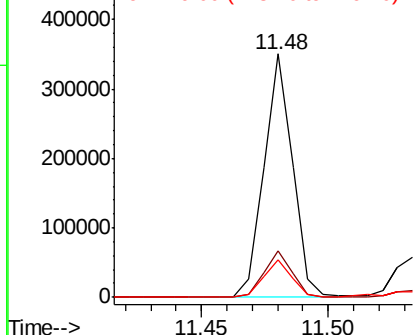
Tot Ion:	178	Resp:	277508
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.6	25.0
179	15.4	13.2	19.8

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



#75

Fluoranthene

Concen: 15.928 ng

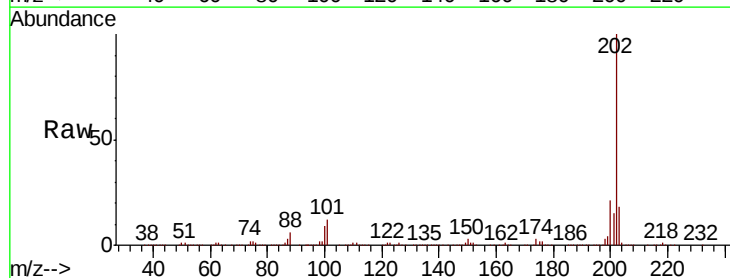
RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

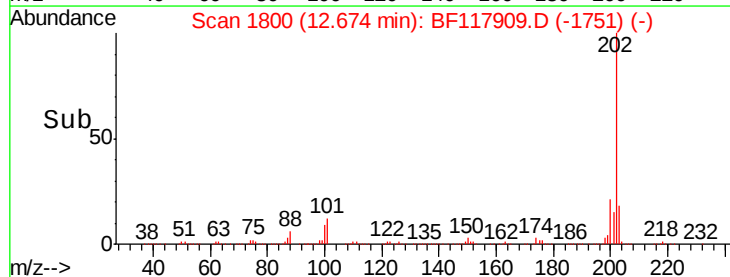
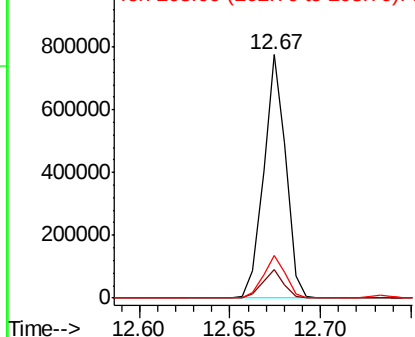
Lab File: BF117909.D

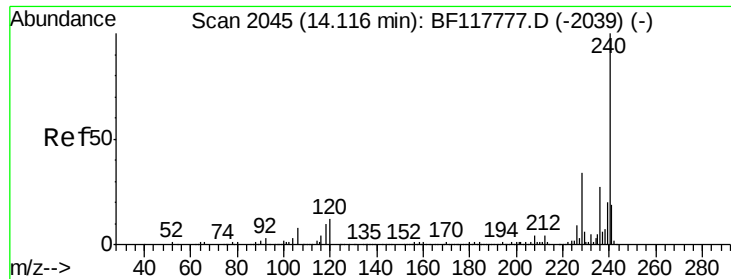
Acq: 21 Nov 2019 13:53

Tgt Ion:	202	Resp:	650889
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.1
203	17.7	0.0	38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





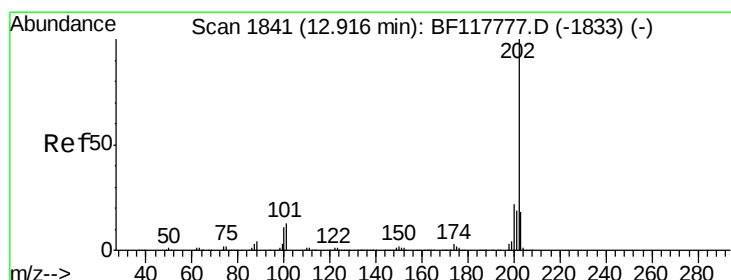
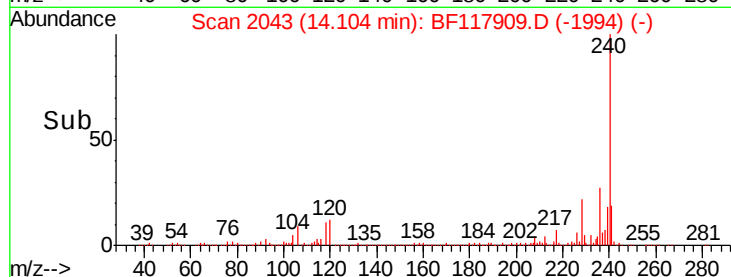
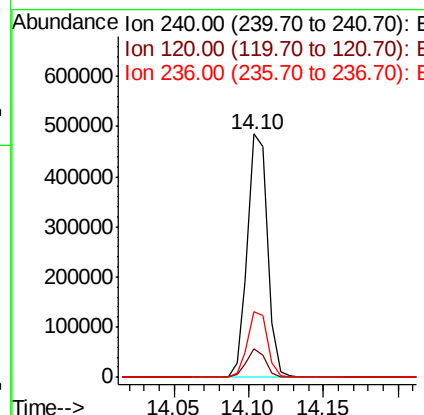
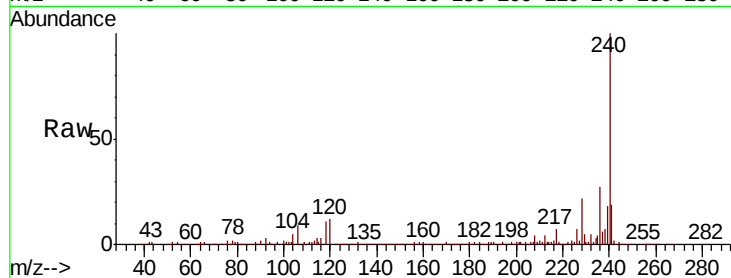
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	26.9	21.3	31.9

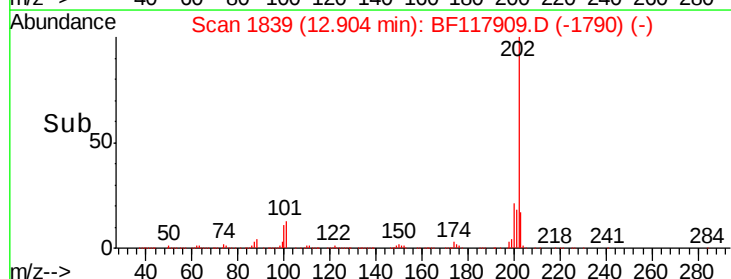
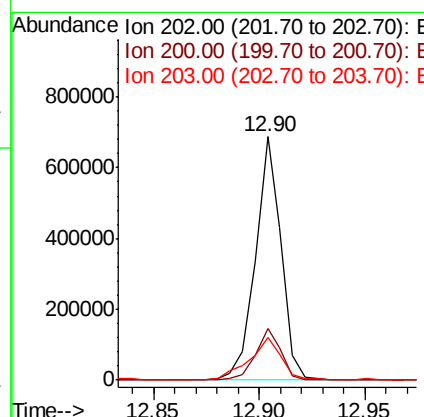
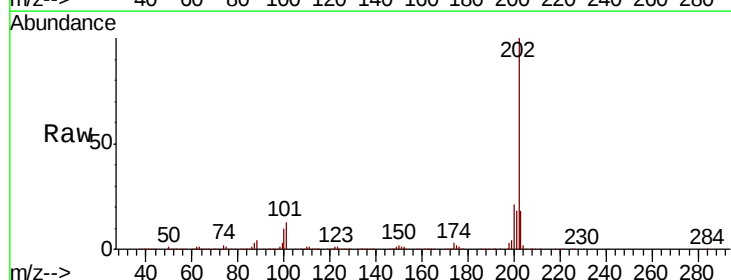
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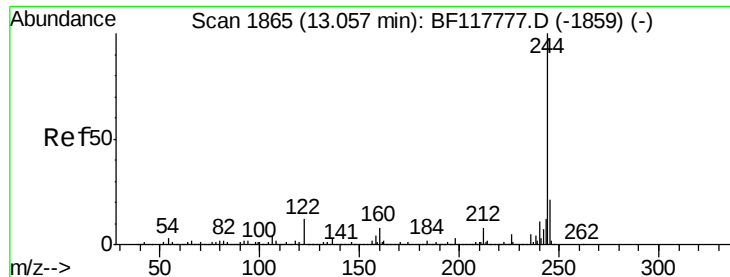
mohammad
11/22/2019 1:20:53 PM



#78
Pyrene
Concen: 15.712 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.8
203	17.6	14.6	22.0





#79

Terphenyl-d14

Concen: 63.952 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

Instrument :

BNA_F

ClientSampleId :

RBR200027-1A-415

Tot Ion:244 Resp: 1598374

Ion Ratio Lower Upper

244 100

212 6.8 6.3 9.5

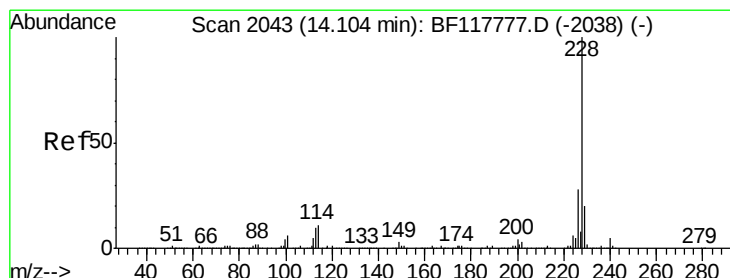
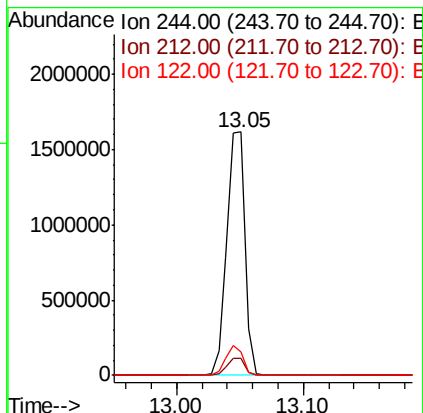
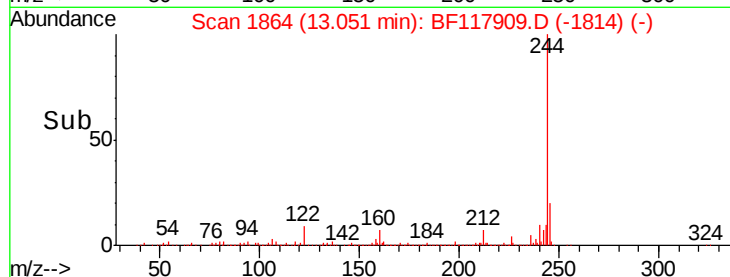
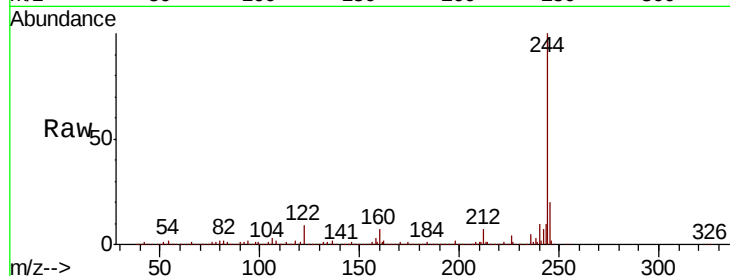
122 9.4 9.4 14.2

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#81

Benzo(a)anthracene

Concen: 9.799 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117909.D

Acq: 21 Nov 2019 13:53

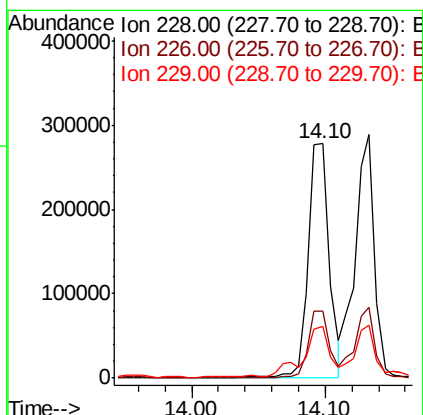
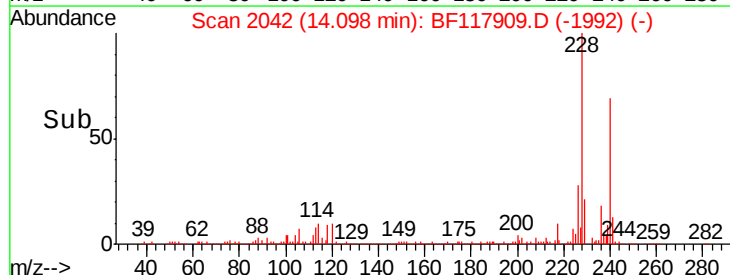
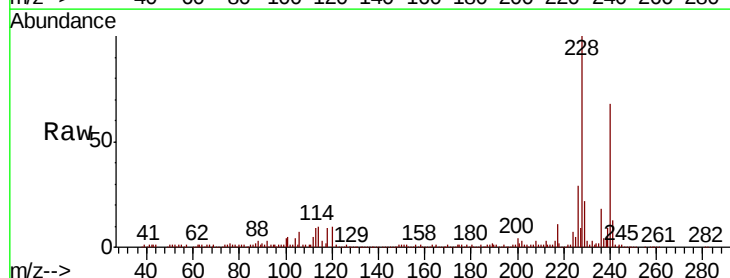
Tgt Ion:228 Resp: 295780

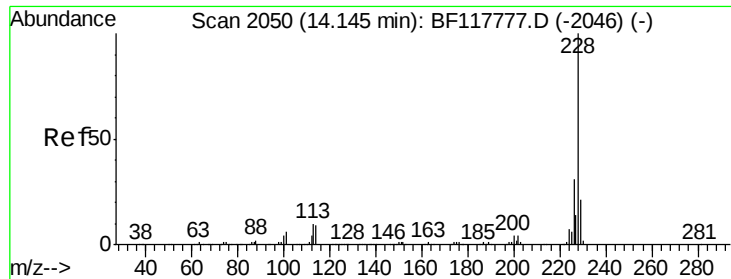
Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.2

229 22.3 15.9 23.9





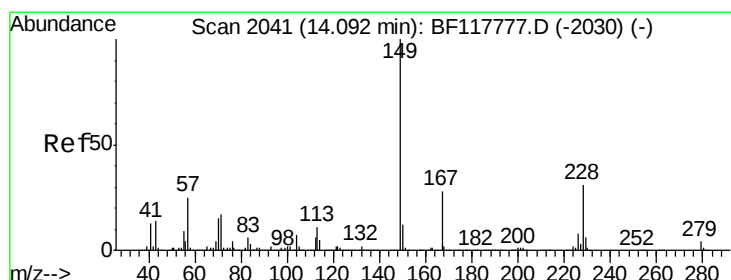
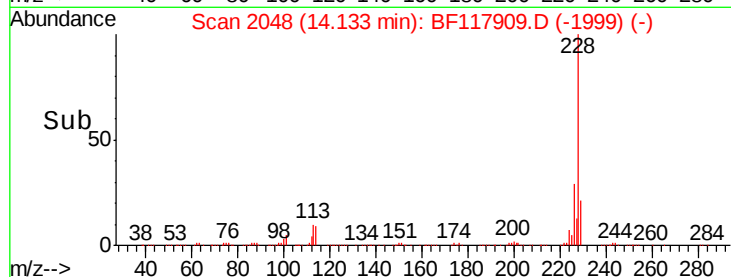
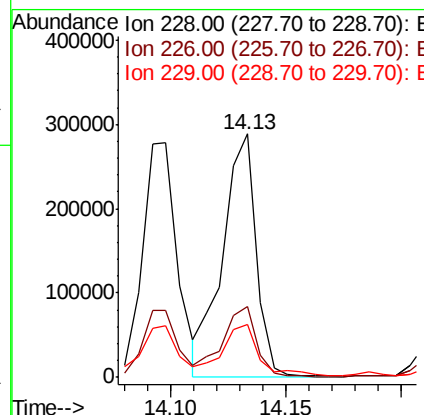
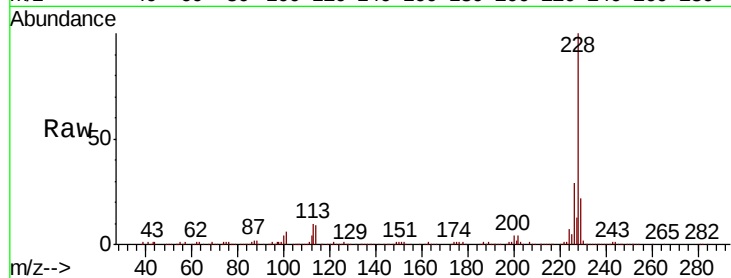
#83
Chrvsene
Concen: 9.941 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.4
229	21.8	16.6	25.0

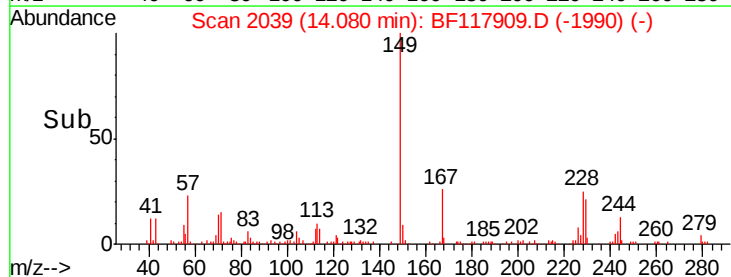
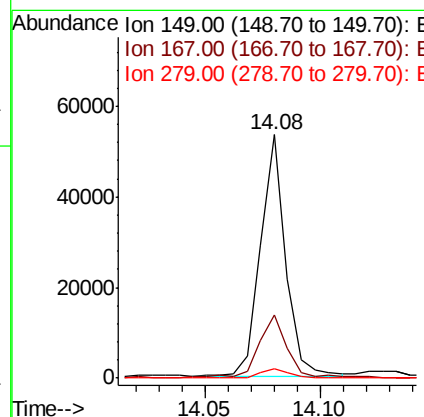
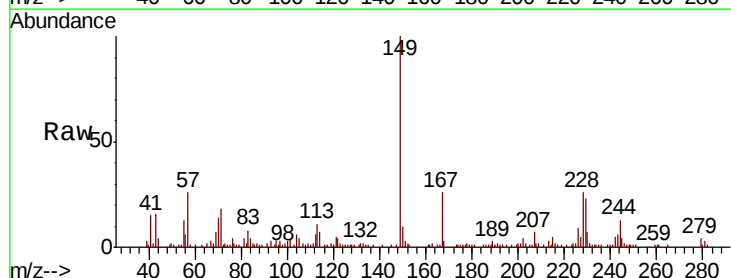
Manual Integrations
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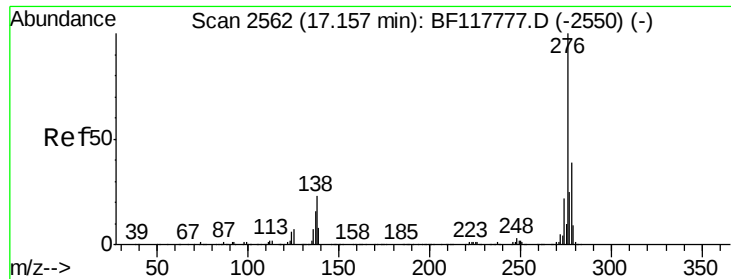
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.121 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.2	33.2
279	4.0	3.4	5.2





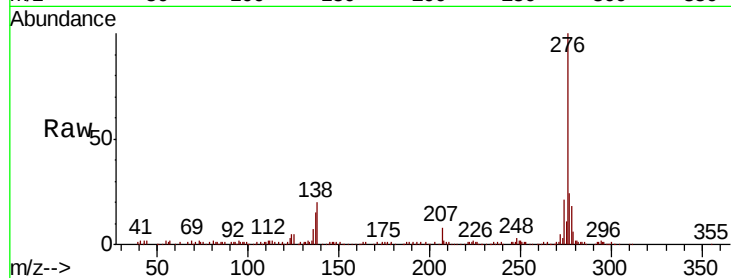
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.649 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	20.9	31.3
277	24.0	20.3	30.5

Manual Integrations
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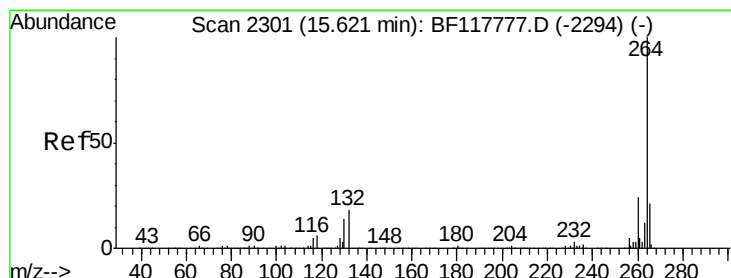
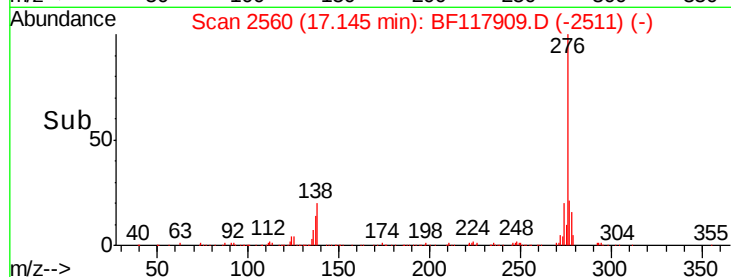
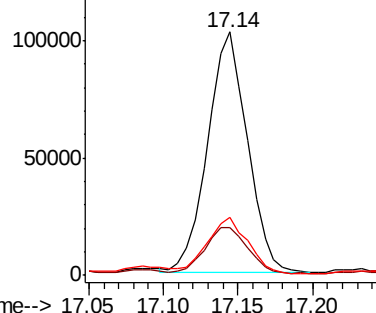


Abundance

Ion 276.00 (275.70 to 276.70): E

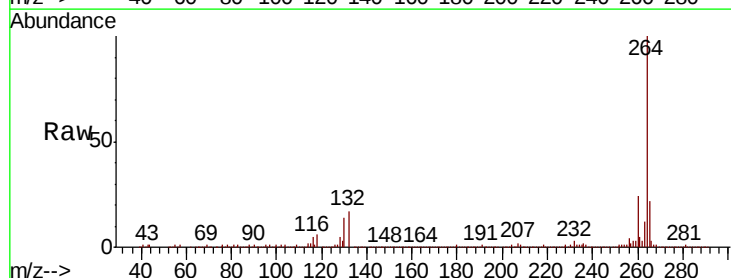
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	21.6	17.1	25.7

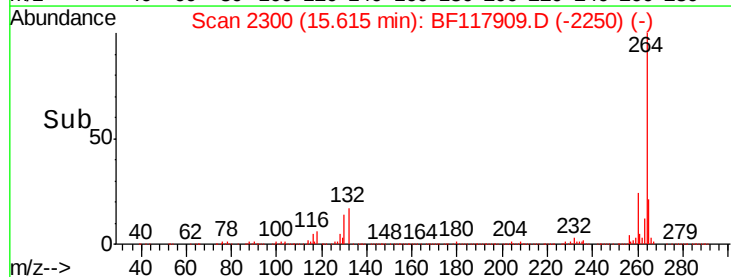
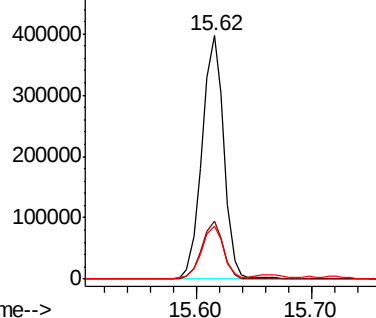


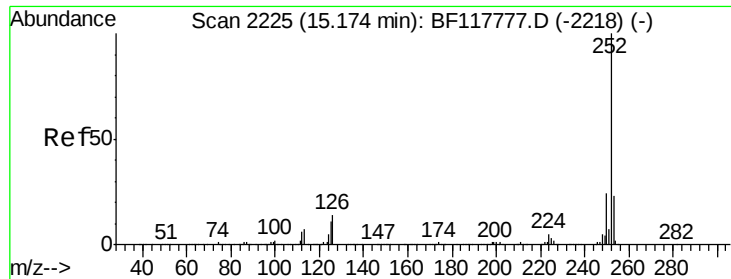
Abundance

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





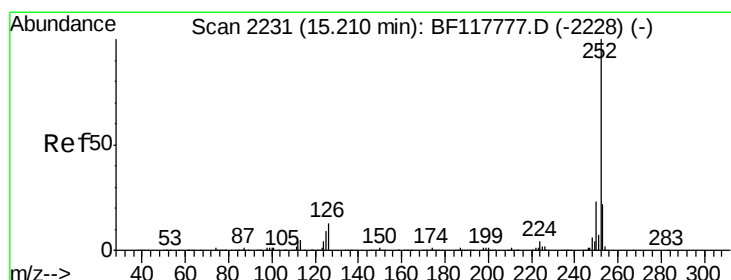
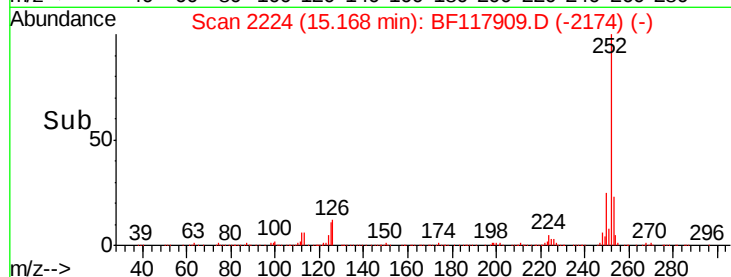
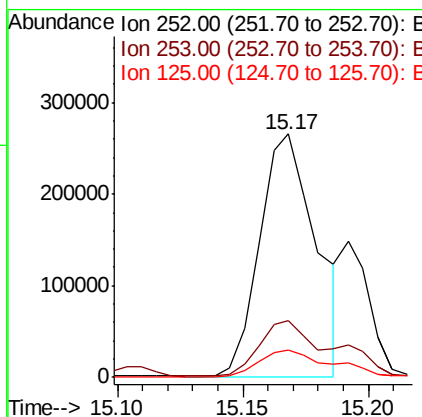
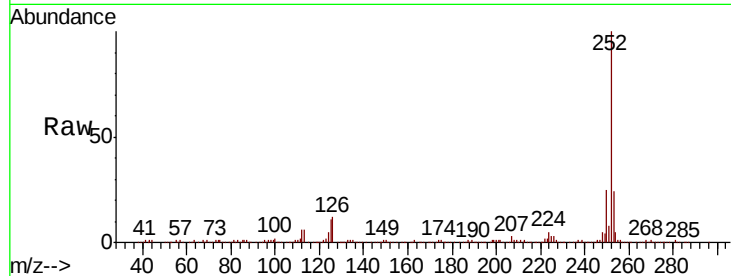
#88
Benzo(b)fluoranthene
Concen: 12.436 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.0	8.6	13.0

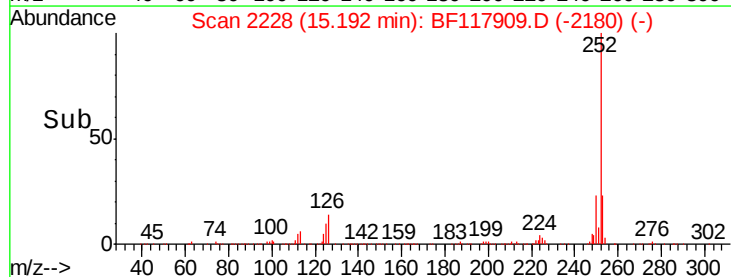
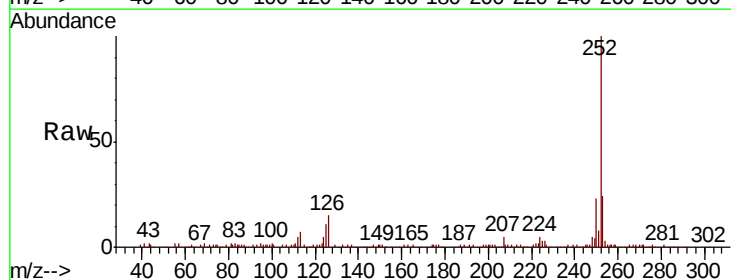
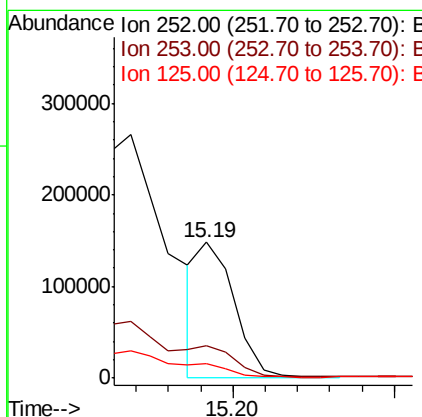
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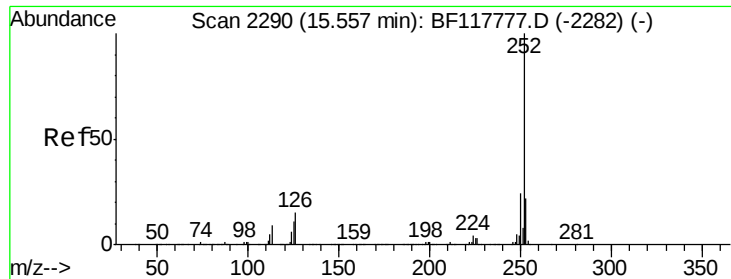
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.685 ng m
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	10.8	7.9	11.9





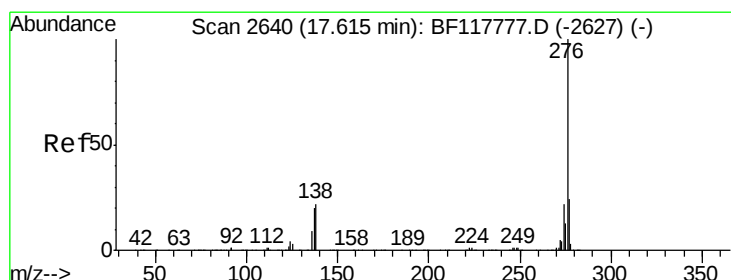
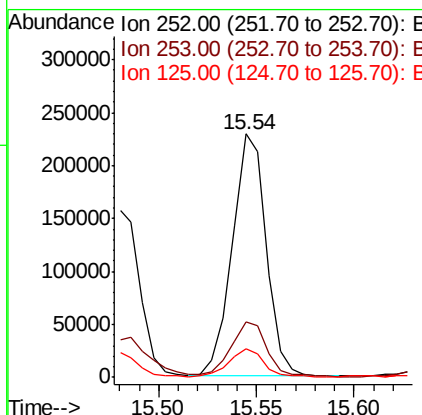
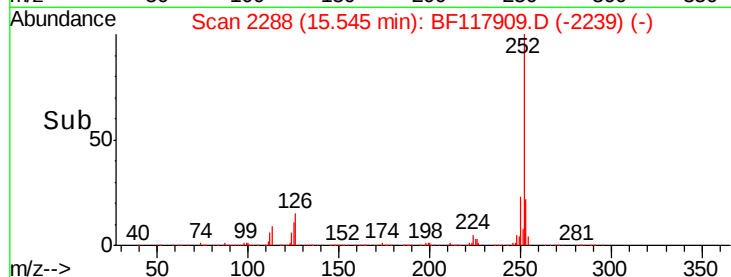
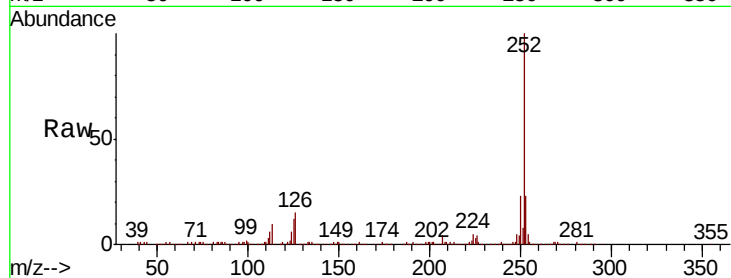
#90
Benzo(a)pyrene
Concen: 9.347 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Instrument :
BNA_F
ClientSampleId :
RBR200027-1A-415

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.6	9.2	13.8

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11/22/2019 1:20:53 PM



#92
Benzo(g,h,i)perylene
Concen: 7.225 ng
RT: 17.61 min Scan# 2639
Delta R.T. -0.01 min
Lab File: BF117909.D
Acq: 21 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	22.8	17.4	26.2

