

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117511.D
 Acq On : 24 Oct 2019 15:46
 Operator : JU
 Sample : K5498-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 191-36-(0-1)

Manual Integrations
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Quant Time: Oct 25 01:43:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	44168	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	166920	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	77811	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	108883	20.00	ng	0.00
76) Chrysene-d12	13.89	240	89370	20.00	ng	0.00
87) Perylene-d12	15.33	264	102890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	213771	72.00	ng	0.00
7) Phenol-d6	6.38	99	283358	71.06	ng	0.00
23) Nitrobenzene-d5	7.30	82	172102	50.90	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	43058	63.95	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	210905	38.19	ng	0.00
79) Terphenyl-d14	12.83	244	139763	25.51	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	29944	5.398	ng	97
71) Phenanthrene	11.27	178	31663	5.008	ng	97
75) Fluoranthene	12.46	202	54642	8.633	ng	97
78) Pyrene	12.69	202	49490	6.447	ng	98
81) Benzo(a)anthracene	13.88	228	27689	4.593	ng	97
83) Chrysene	13.92	228	25493	4.315	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	13230	2.999	ng	98
88) Benzo(b)fluoranthene	14.92	252	32153m	5.292	ng	
90) Benzo(a)pyrene	15.27	252	24472	4.430	ng	# 93
92) Benzo(g,h,i)perylene	17.17	276	12343	2.731	ng	# 92

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

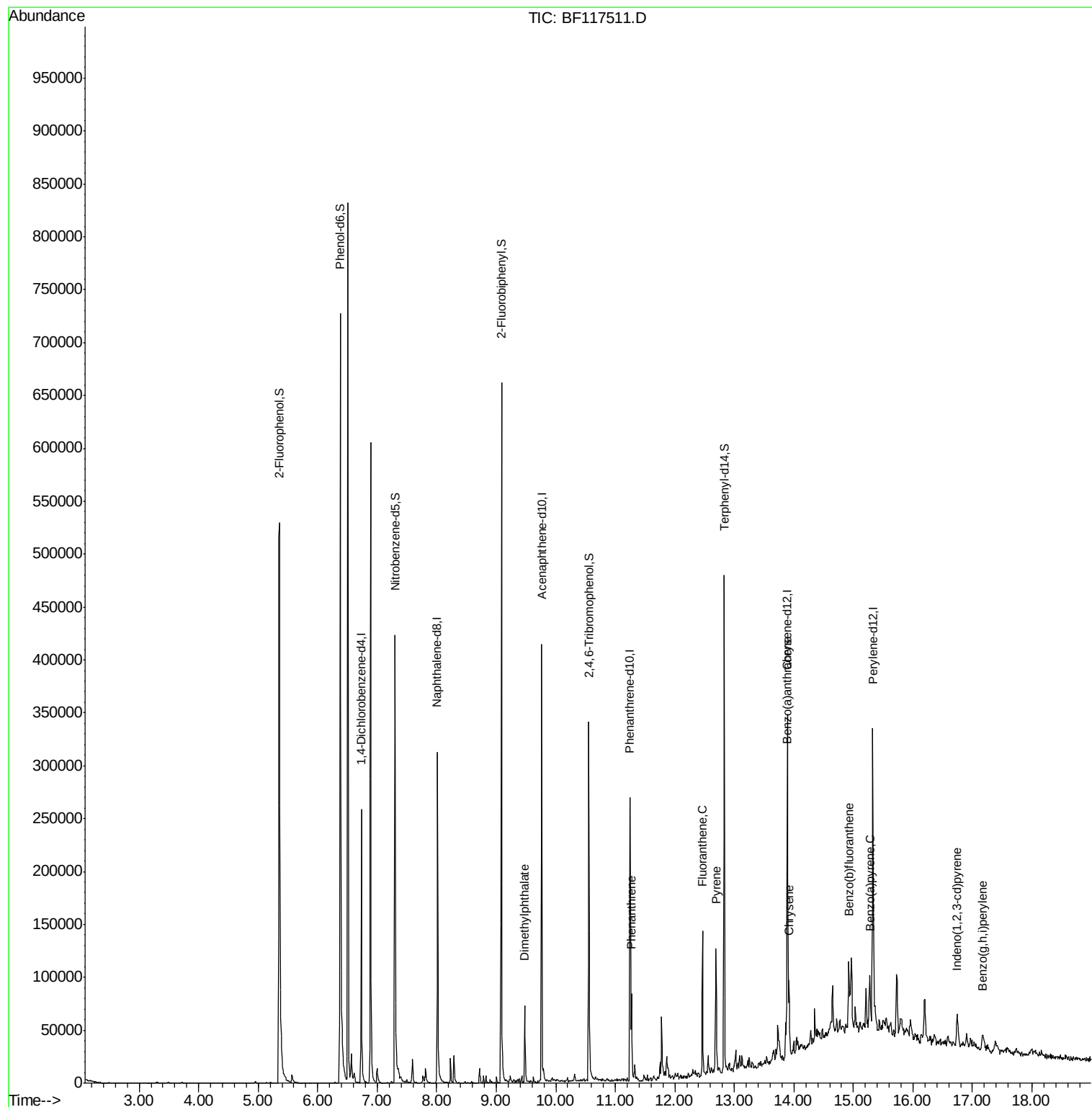
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117511.D
Acq On : 24 Oct 2019 15:46
Operator : JU
Sample : K5498-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

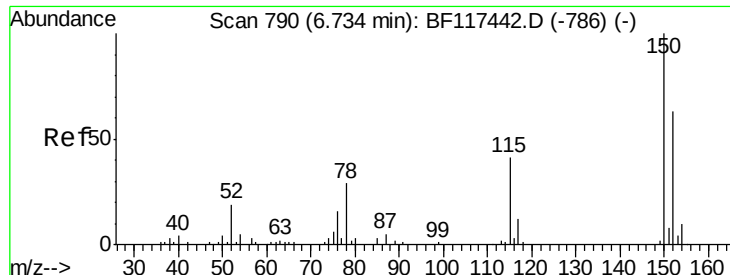
Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

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Quant Time: Oct 25 01:43:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration





#1

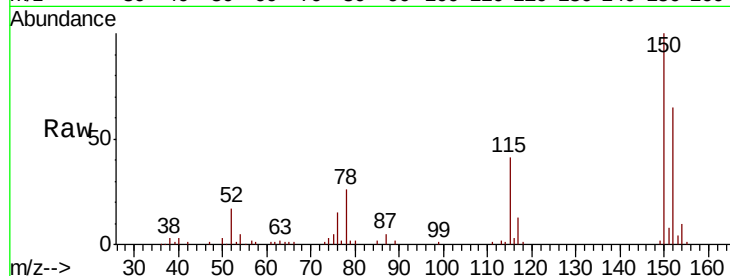
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.8	190.2
115	63.7	51.6	77.4

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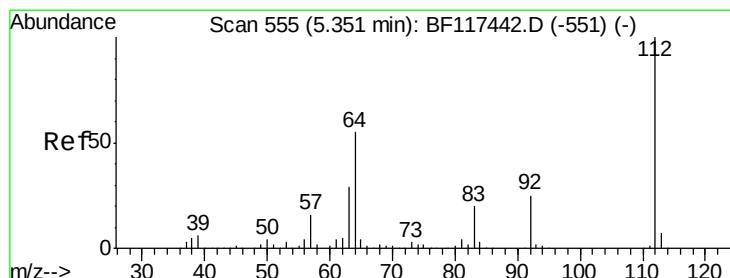
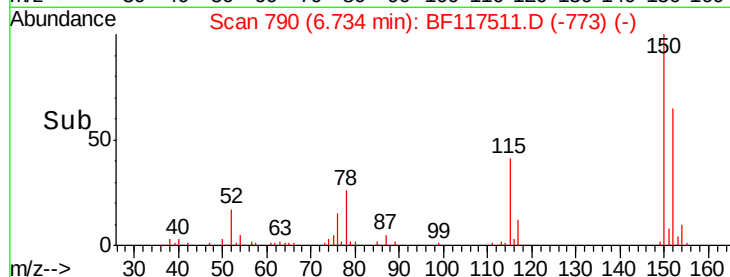
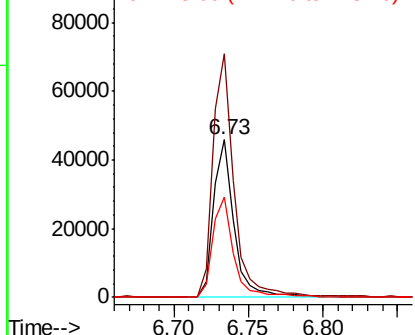


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

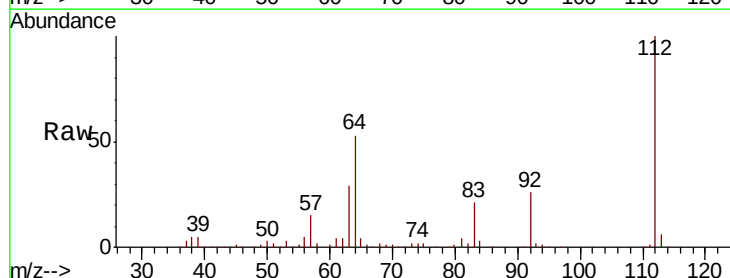
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.004 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	44.1	66.1
63	28.8	23.4	35.2

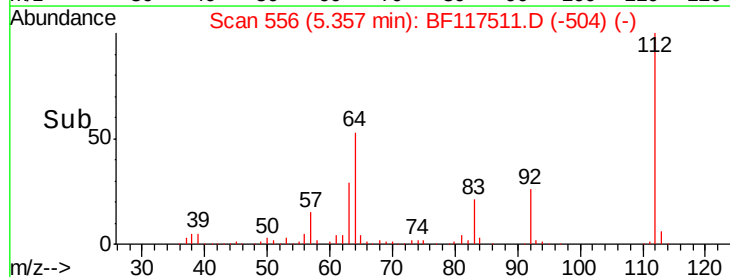
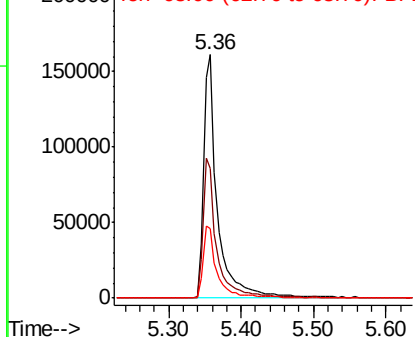


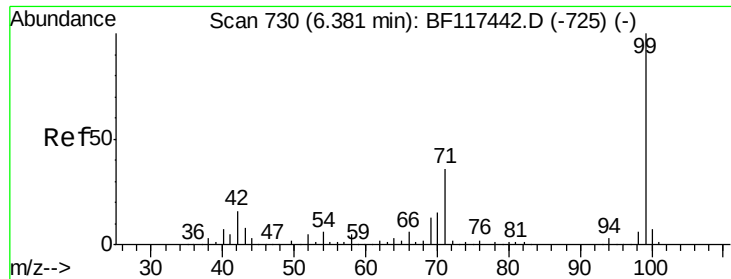
Abundance

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: 71.061 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117511.D

Acq: 24 Oct 2019 15:46

Instrument :

BNA_F

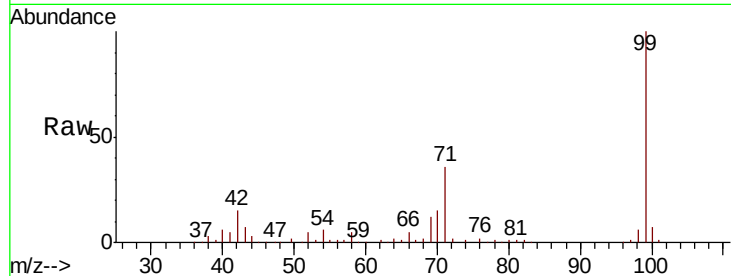
ClientSampleId :

191-36-(0-1)

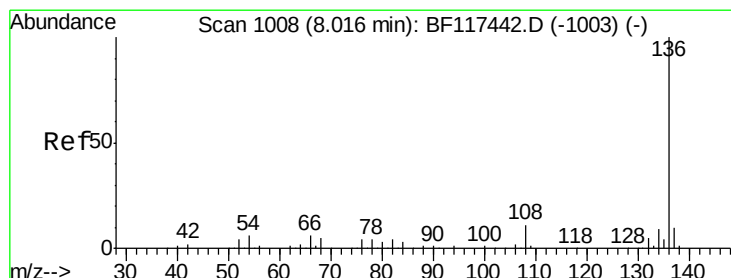
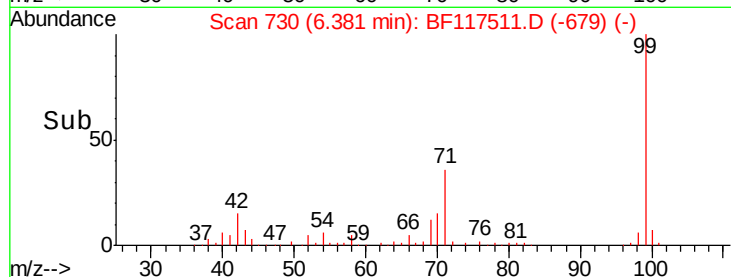
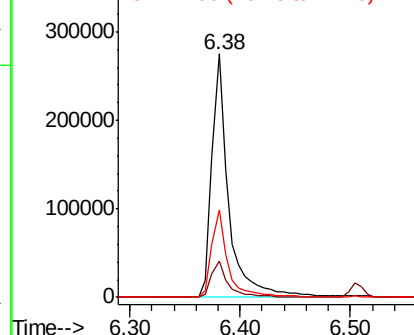
Tot Ion:	99	Resp:	283358
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.8	19.2
71	36.1	28.6	43.0

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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: 8.01 min Scan# 1007

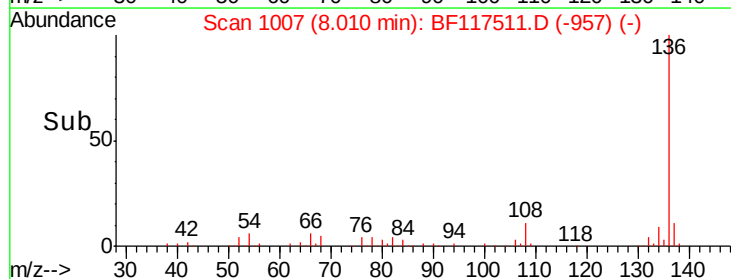
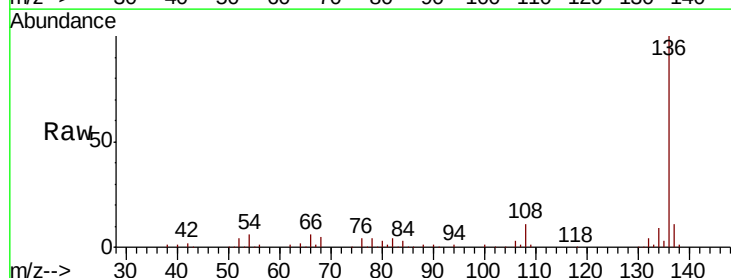
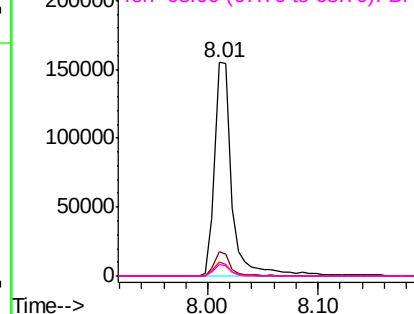
Delta R.T. -0.01 min

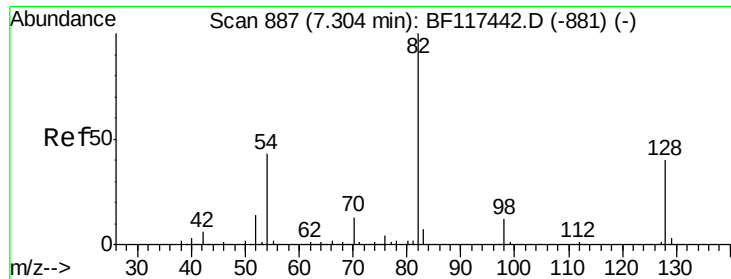
Lab File: BF117511.D

Acq: 24 Oct 2019 15:46

Tgt Ion:	136	Resp:	166920
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.2	12.4
54	6.4	4.5	6.7
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





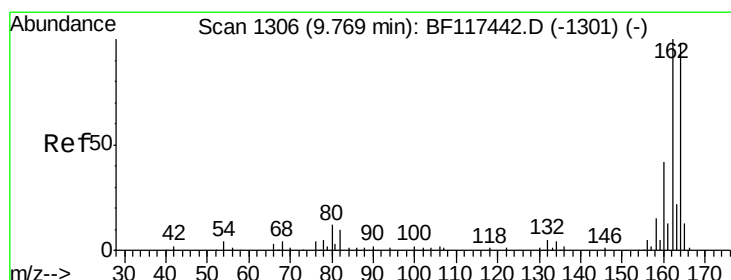
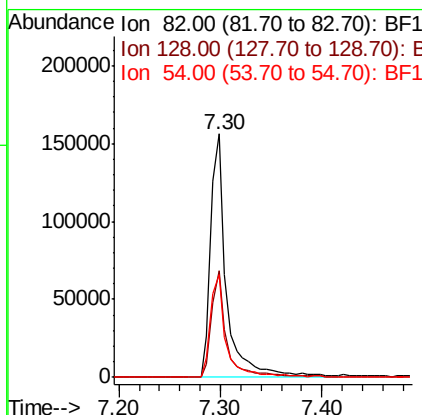
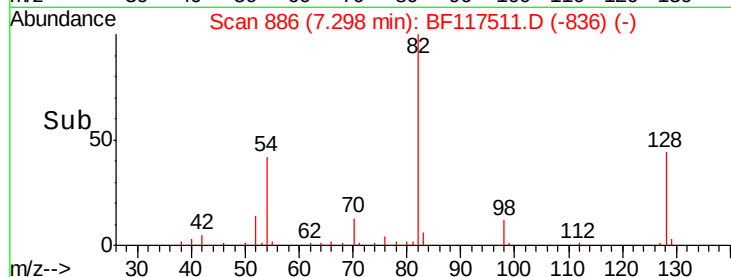
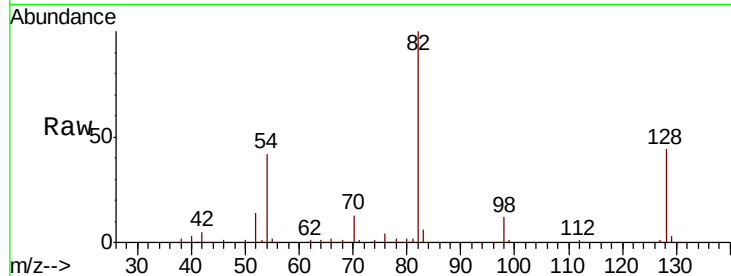
#23
Nitrobenzene-d5
Concen: 50.900 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	32.2	48.2
54	42.0	34.2	51.2

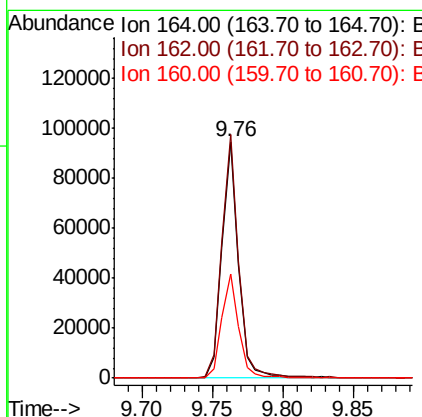
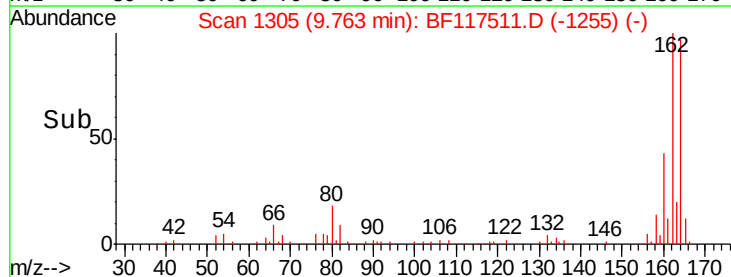
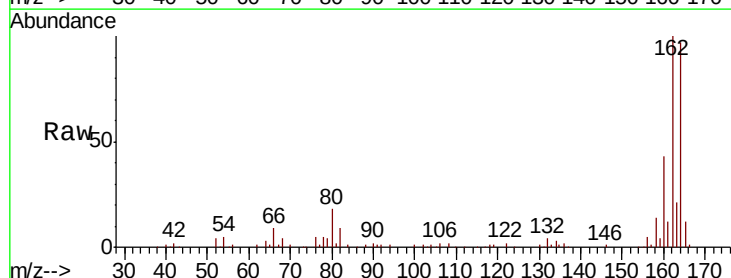
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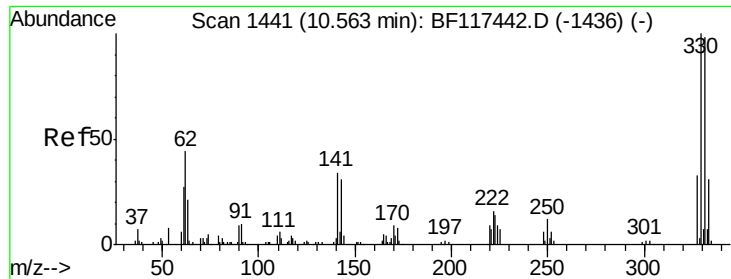
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.8	122.6
160	44.0	34.4	51.6





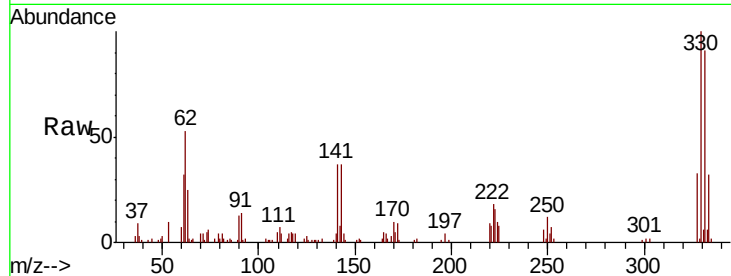
#42
 2,4,6-Tribromophenol
 Concen: 63.954 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117511.D
 Acq: 24 Oct 2019 15:46

Instrument :
 BNA_F
 ClientSampleId :
 191-36-(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.5	117.7
141	43.5	37.0	55.6

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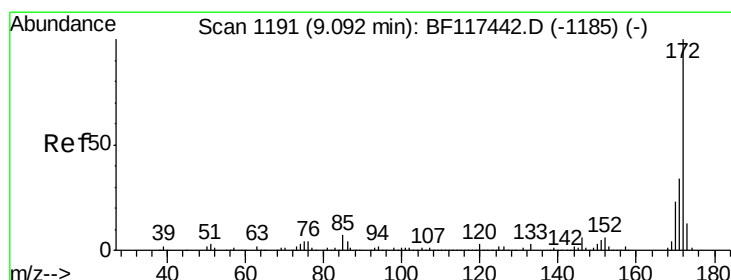
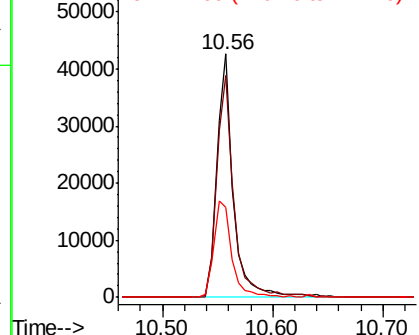
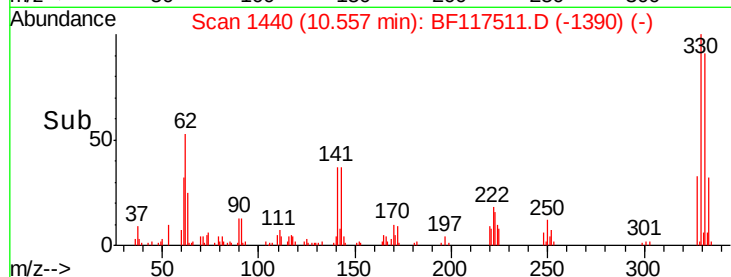


Abundance

Ion 329.80 (329.50 to 330.50): E

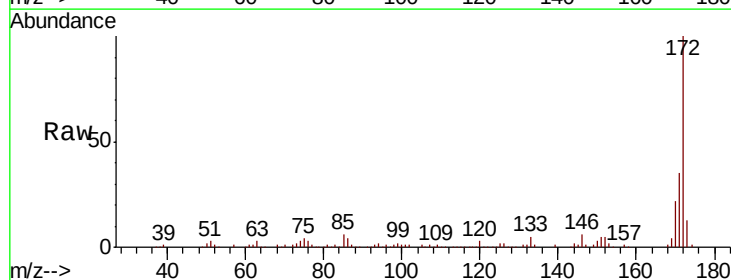
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 38.190 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117511.D
 Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	22.3	18.6	27.8

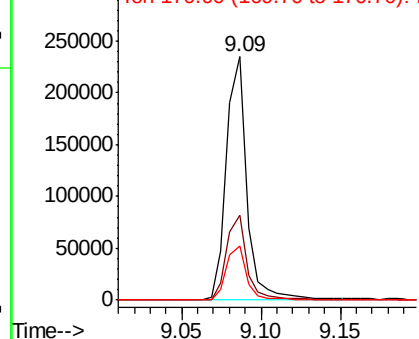
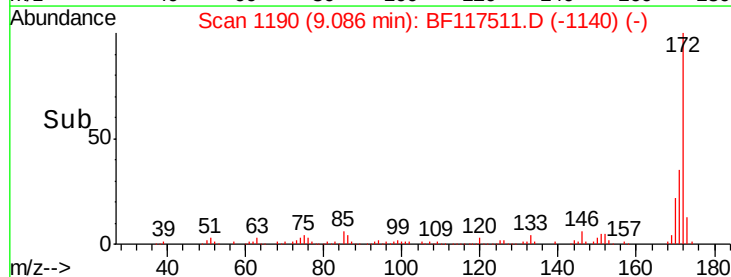


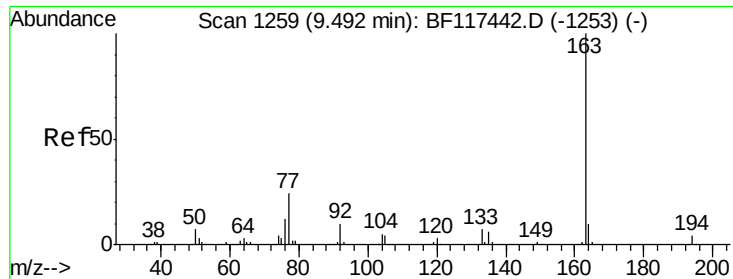
Abundance

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: 5.398 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117511.D

Acq: 24 Oct 2019 15:46

Instrument :

BNA_F

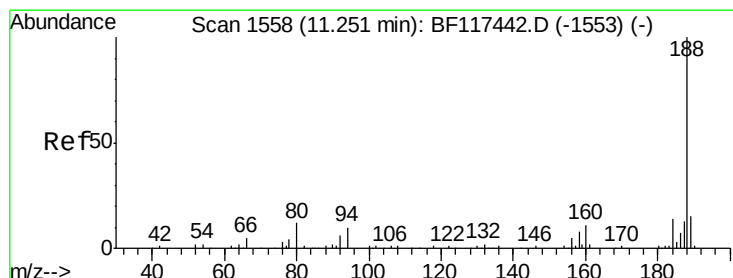
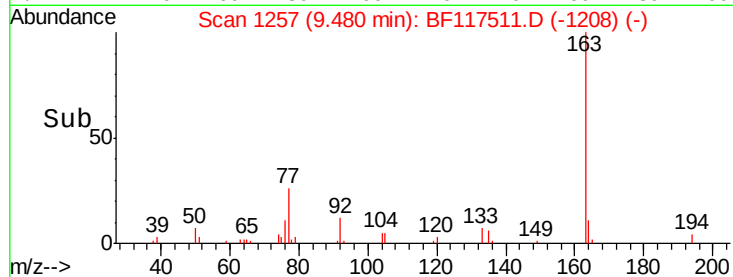
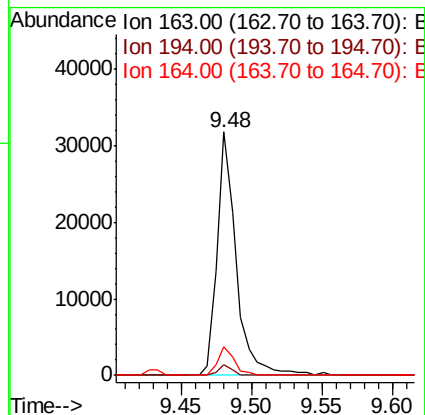
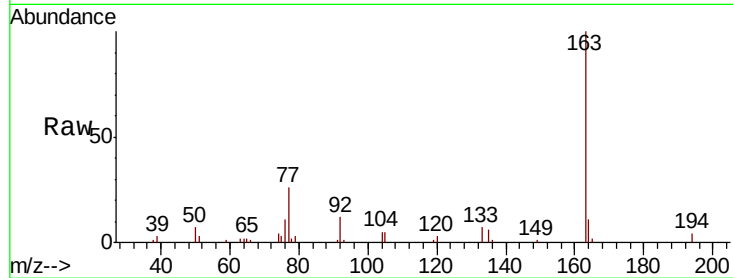
ClientSampleId :

191-36-(0-1)

Tot Ion:	163	Resp:	29944
Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.9	4.3
164	11.5	8.2	12.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

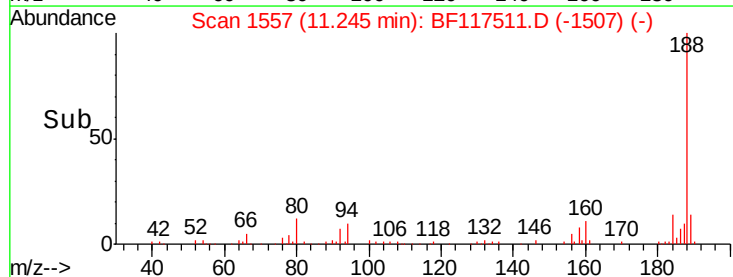
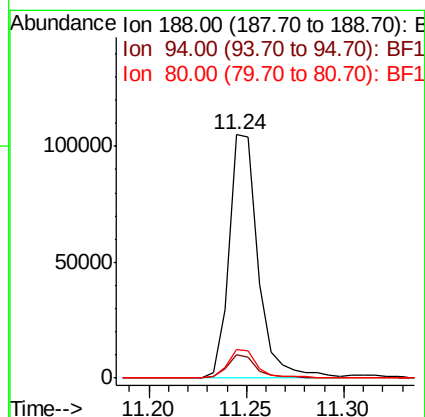
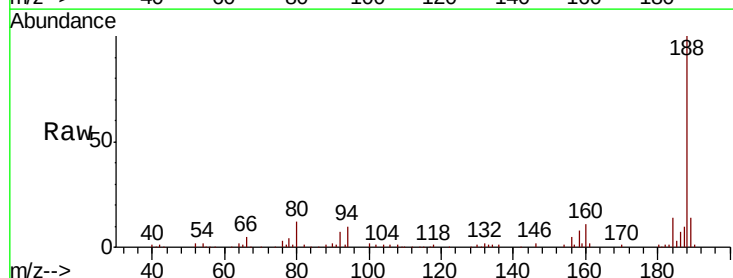
RT: 11.24 min Scan# 1557

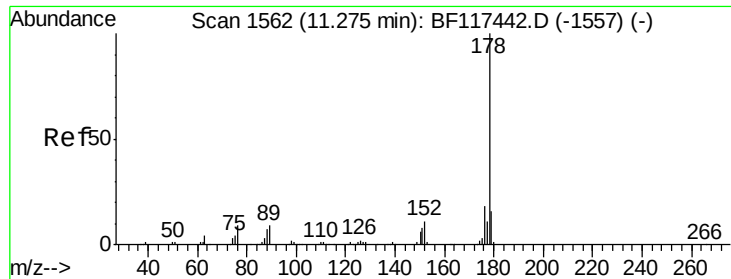
Delta R.T. -0.01 min

Lab File: BF117511.D

Acq: 24 Oct 2019 15:46

Tgt Ion:	188	Resp:	108883
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	11.8	9.5	14.3





#71

Phenanthrene

Concen: 5.008 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117511.D

Acq: 24 Oct 2019 15:46

Instrument :

BNA_F

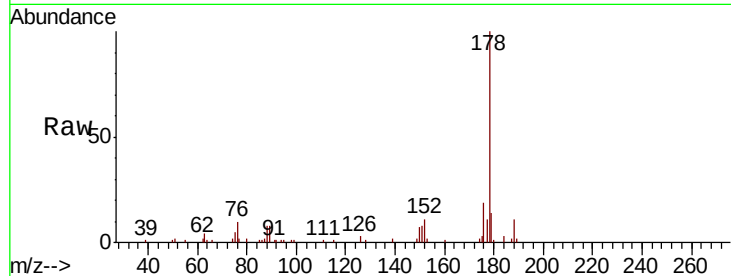
ClientSampleId :

191-36-(0-1)

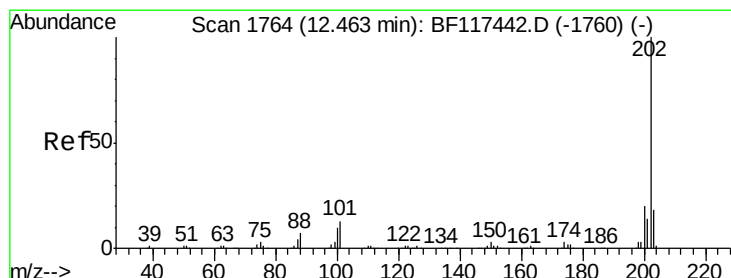
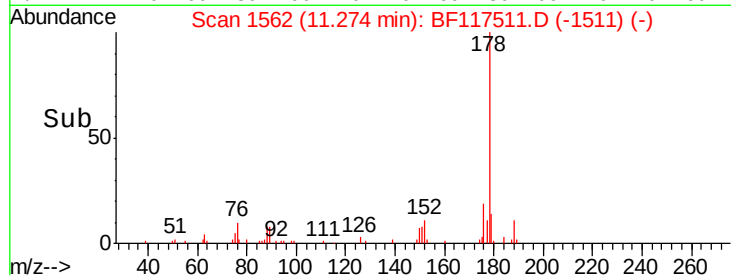
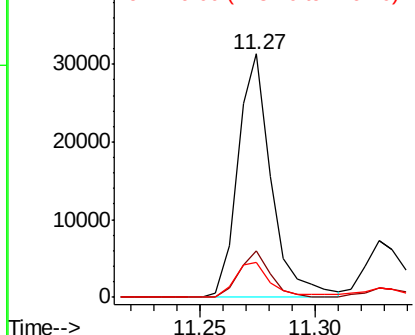
Tot Ion:	178	Resp:	31663
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.6	22.0
179	14.3	12.6	19.0

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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: 8.633 ng

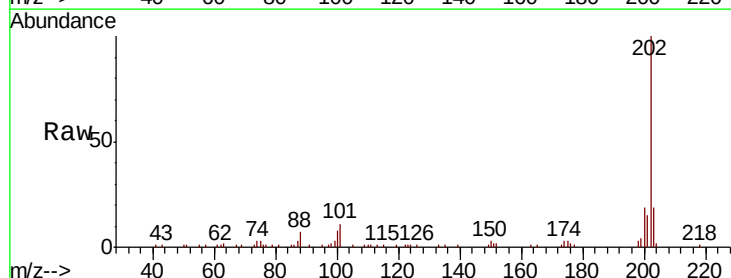
RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

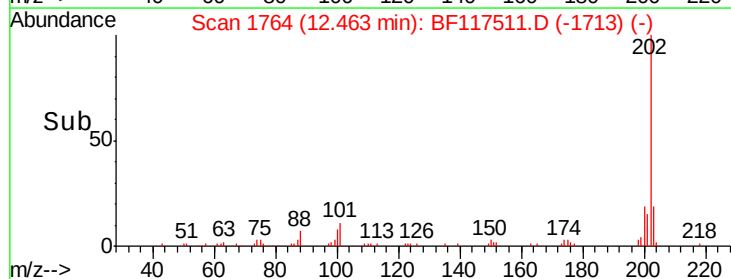
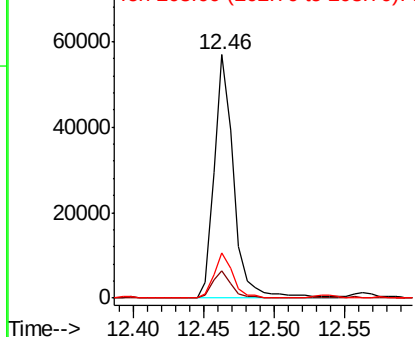
Lab File: BF117511.D

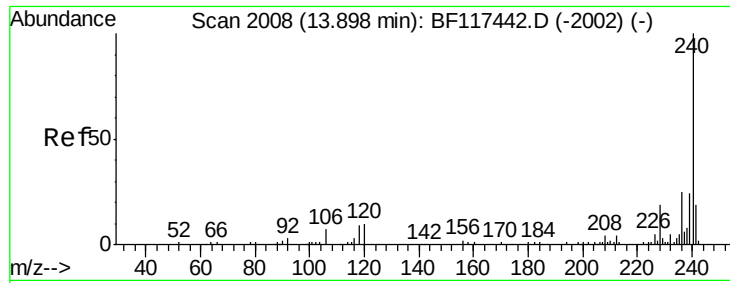
Acq: 24 Oct 2019 15:46

Tgt Ion:	202	Resp:	54642
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	32.7
203	18.6	0.0	37.6



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





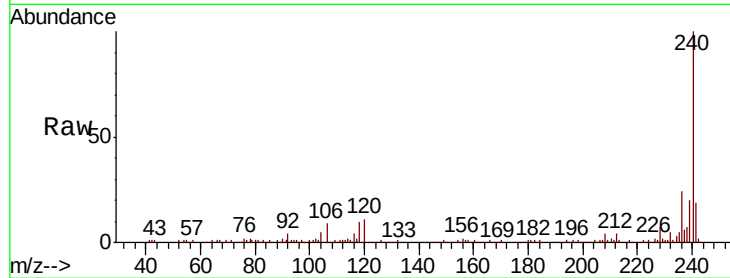
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

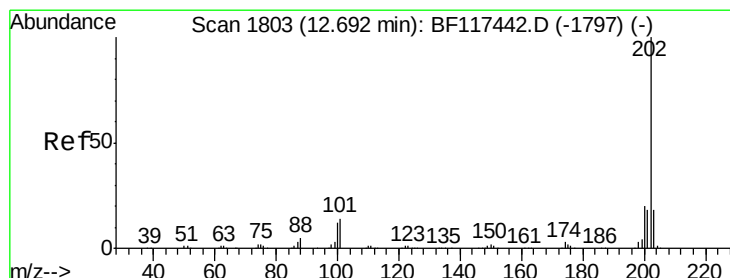
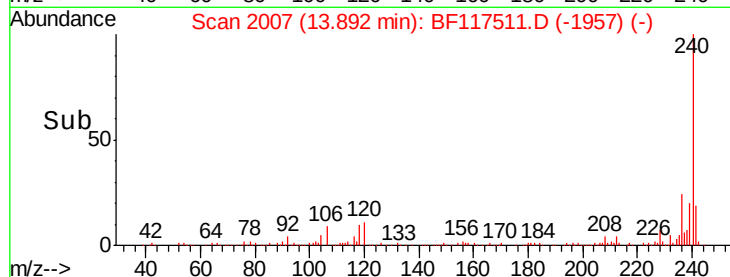
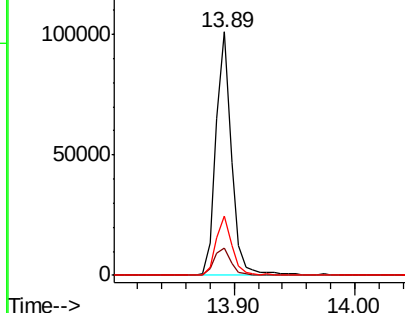
Tot Ion	Ratio	Resp	Lower	Upper
240	100	89370		
120	11.2		8.4	12.6
236	24.3		20.0	30.0

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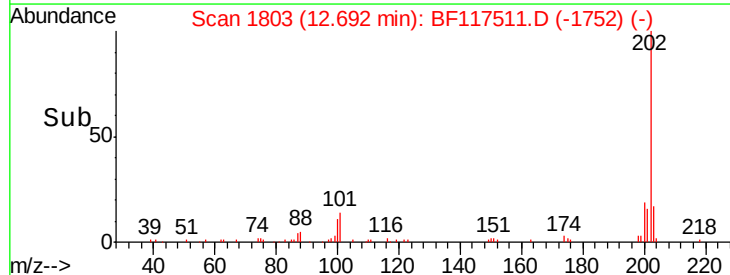
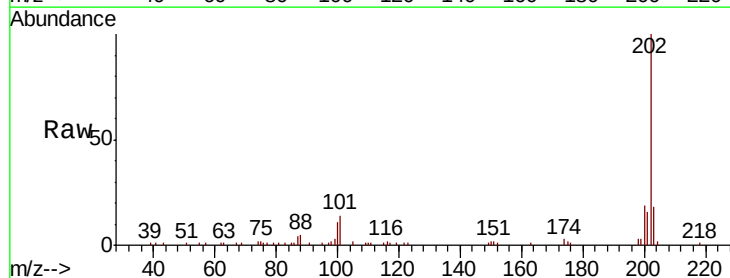
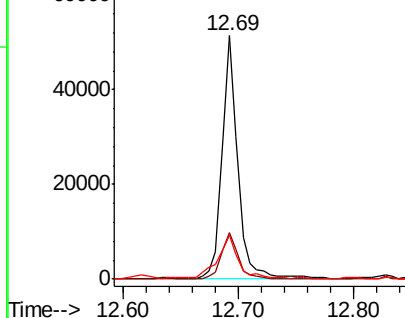
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

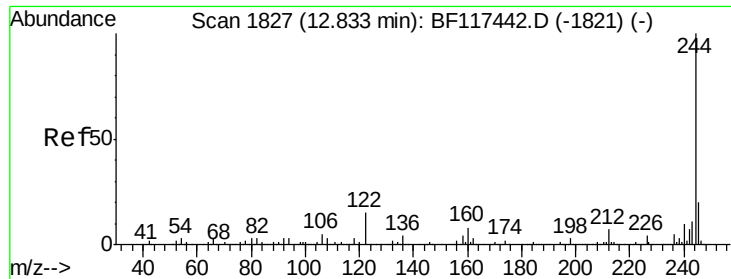


#78
Pyrene
Concen: 6.447 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	49490		
200	19.1		16.2	24.2
203	18.1		14.0	21.0

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





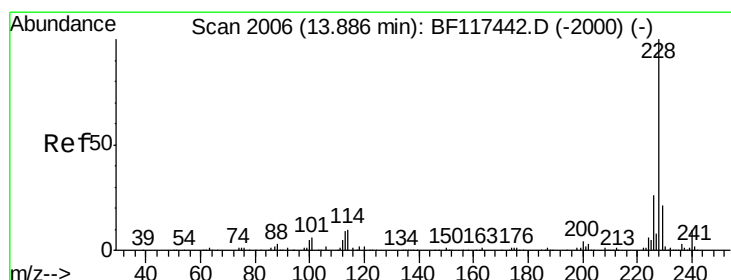
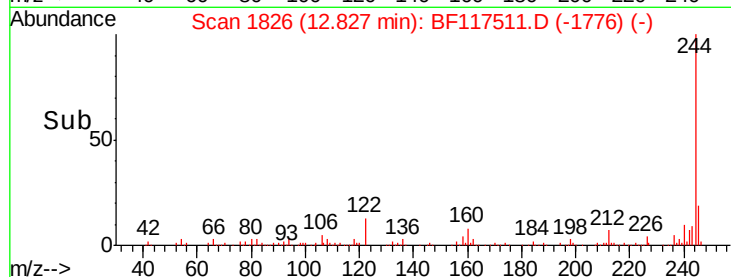
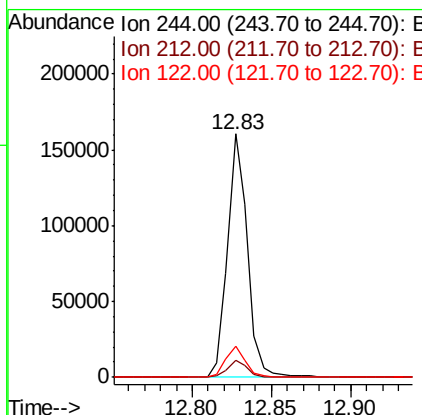
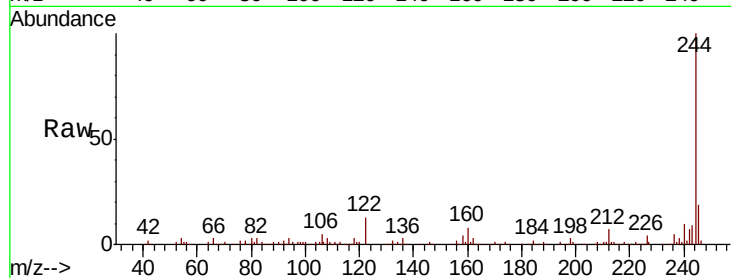
#79
 Terphenyl-d14
 Concen: 25.509 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117511.D
 Acq: 24 Oct 2019 15:46

Instrument :
 BNA_F
 ClientSampleId :
 191-36-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	13.0	11.8	17.8

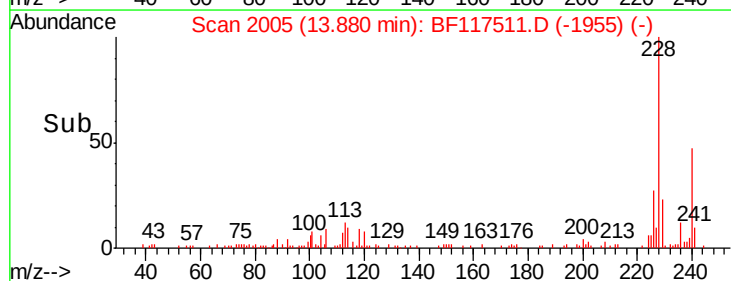
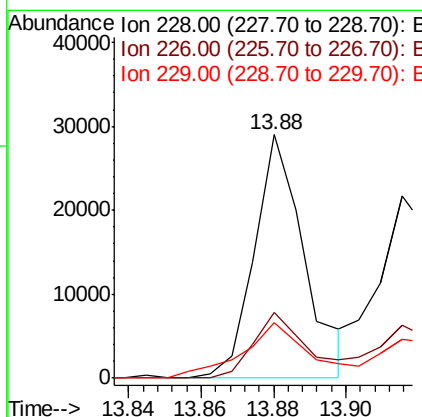
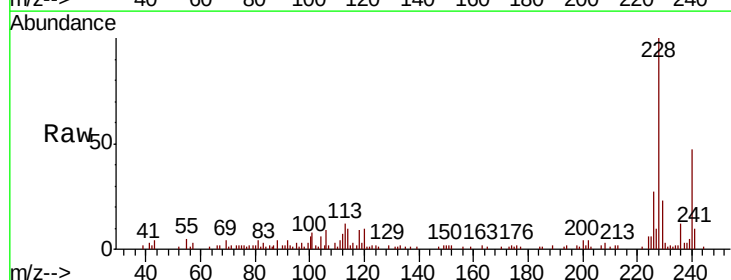
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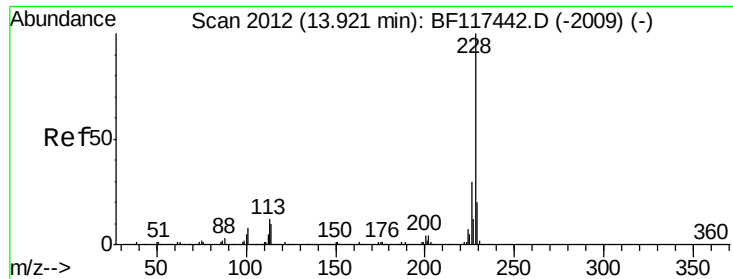
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.593 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117511.D
 Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.0	31.4
229	22.7	16.4	24.6





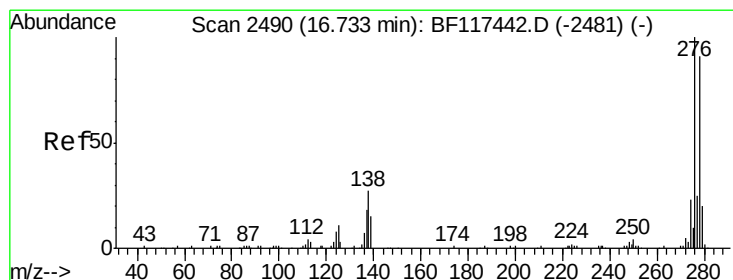
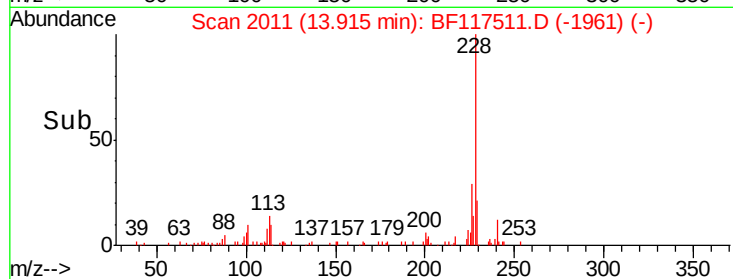
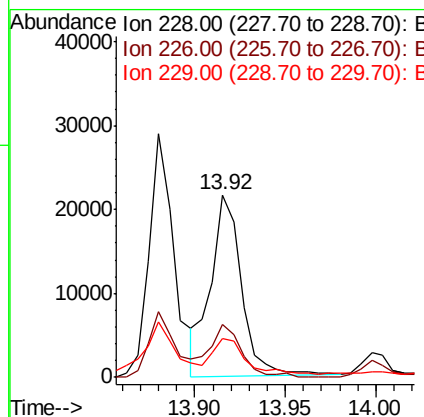
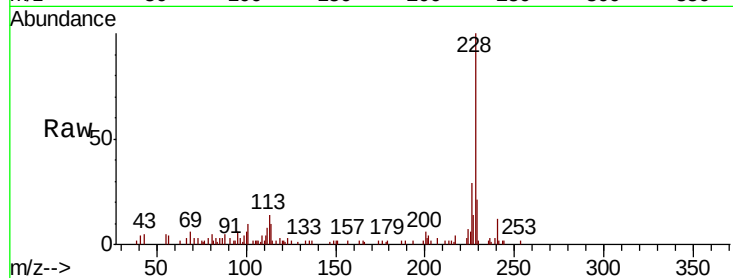
#83
Chrysene
Concen: 4.315 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.9	35.9
229	21.2	15.8	23.6

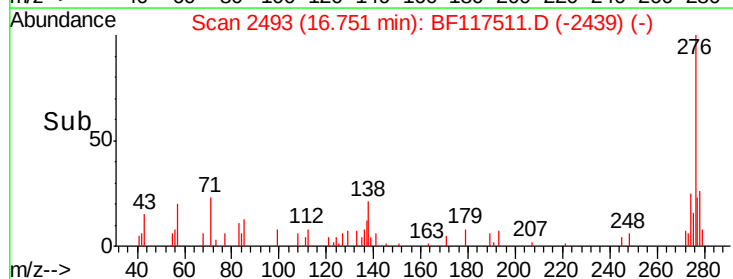
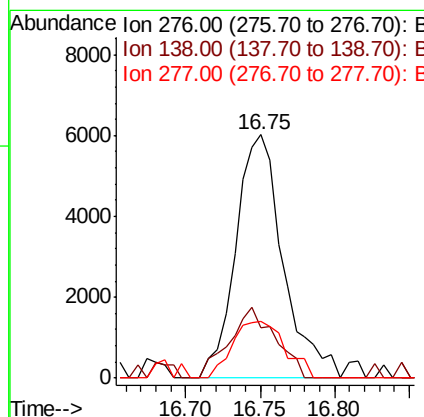
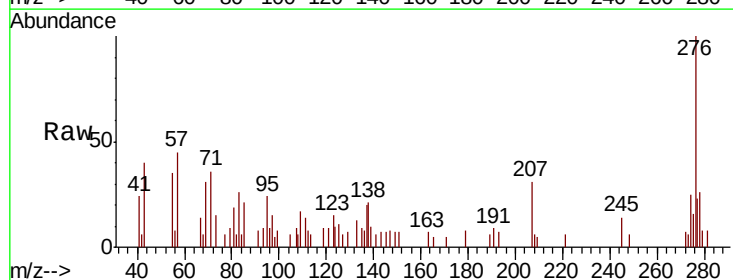
Manual Integrations
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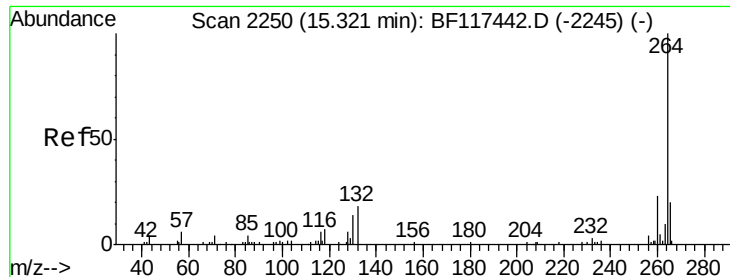
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.999 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.8
277	26.0	20.0	30.0





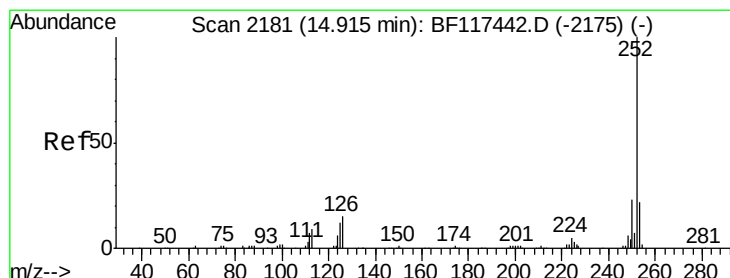
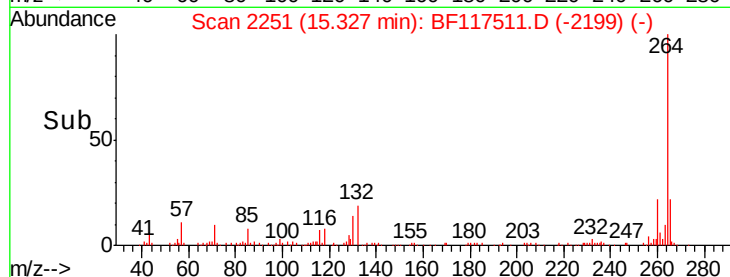
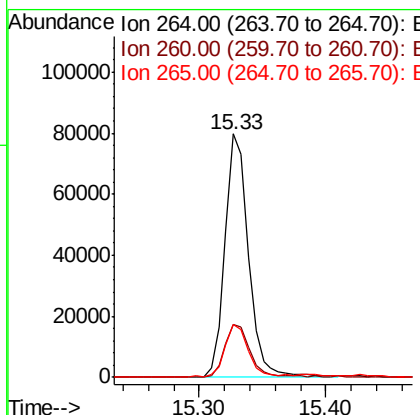
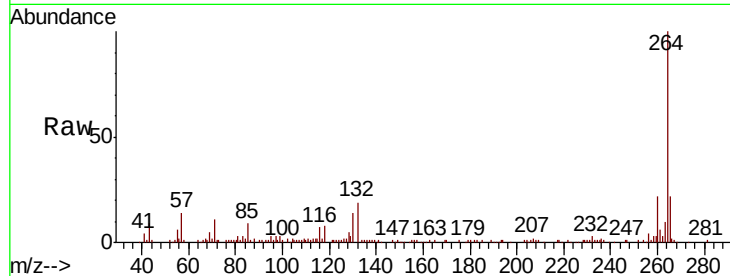
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	21.7	16.1	24.1

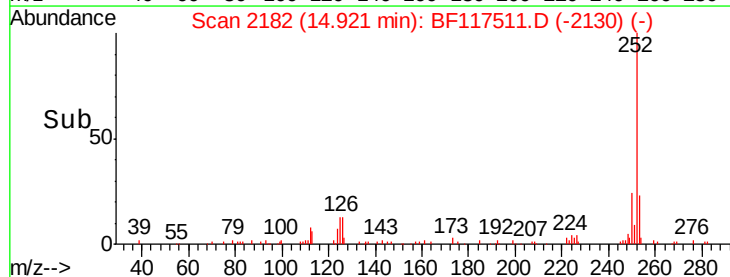
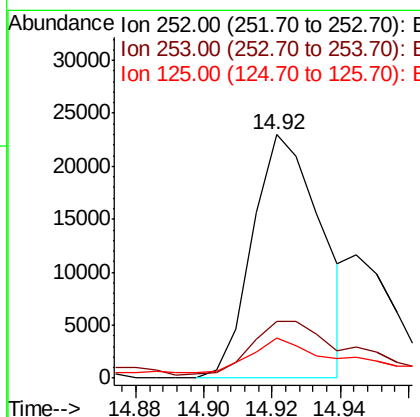
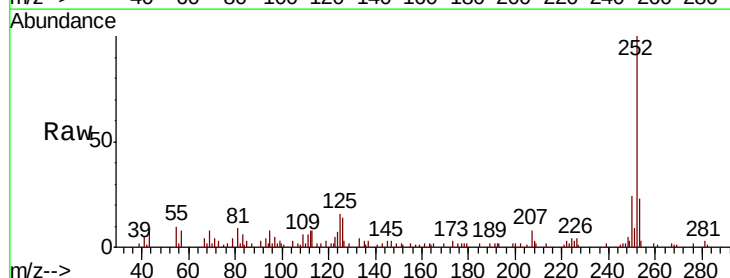
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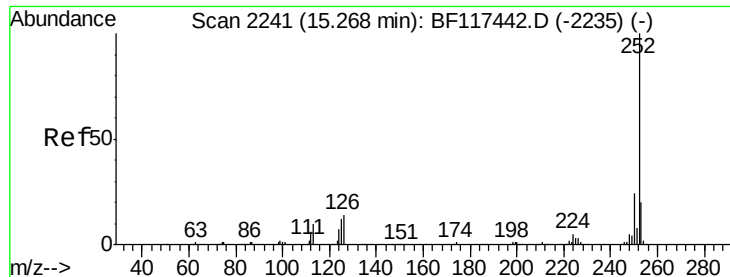
mohammad
10/26/2019 10:02:40 AM



#88
Benzo(b)fluoranthene
Concen: 5.292 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	16.3	9.9	14.9#





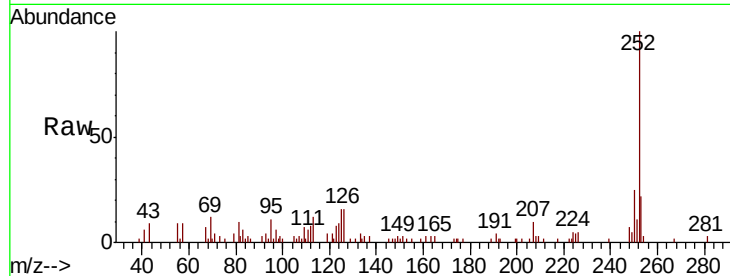
#90
Benzo(a)pyrene
Concen: 4.430 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.3	24.5
125	16.1	9.2	13.8

Manual Integrations
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10/26/2019 10:02:40 AM

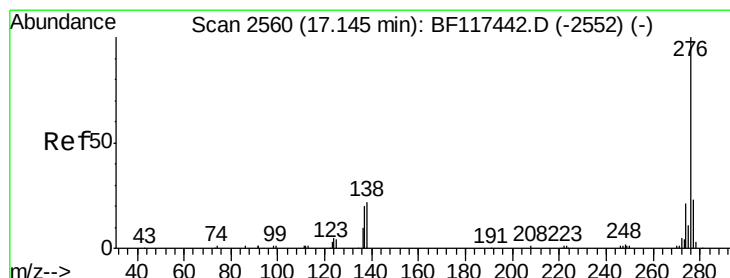
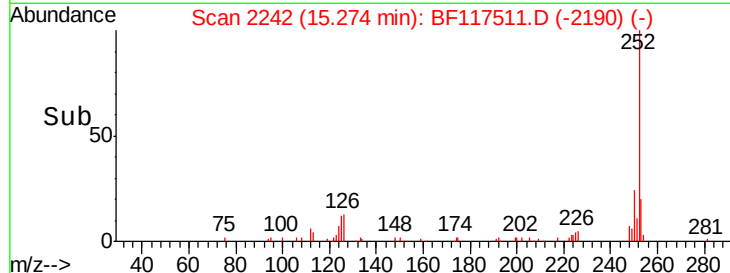
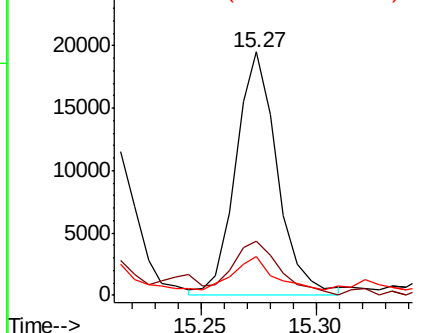


Abundance

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(g,h,i)perylene
Concen: 2.731 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.03 min
Lab File: BF117511.D
Acq: 24 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.4	27.6
138	29.0	17.8	26.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

