

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117577.D
 Acq On : 28 Oct 2019 22:18
 Operator : JU
 Sample : K5140-05 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-102519

Manual Integrations
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 10/30/2019 4:51:47 PM

Quant Time: Oct 30 12:01:38 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	19949	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	80795	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	37209	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	46402	20.00	ng	0.00
76) Chrysene-d12	13.89	240	37568	20.00	ng	0.00
87) Perylene-d12	15.33	264	29247	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	128346	95.71	ng	0.00
7) Phenol-d6	6.38	99	176177	97.82	ng	0.00
23) Nitrobenzene-d5	7.29	82	99224	60.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	22671	70.42	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	144615	54.76	ng	-0.01
79) Terphenyl-d14	12.83	244	111735	48.51	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.73	142	11225	4.160	ng	Qvalue 96
38) 1-Methylnaphthalene	8.82	142	8420	3.321	ng	# 84
50) Dimethylphthalate	9.48	163	22150	8.350	ng	# 98
52) Acenaphthene	9.79	154	4213	2.013	ng	98
58) Fluorene	10.31	166	8414	3.355	ng	# 95
71) Phenanthrene	11.27	178	49621	18.416	ng	99
72) Anthracene	11.33	178	10870	3.932	ng	93
75) Fluoranthene	12.47	202	61019	22.622	ng	97
78) Pyrene	12.70	202	50627	15.689	ng	96
81) Benzo(a)anthracene	13.89	228	22867	9.024	ng	95
83) Chrysene	13.92	228	21814m	8.783	ng	
86) Indeno(1,2,3-cd)pyrene	16.76	276	8086m	4.361	ng	
88) Benzo(b)fluoranthene	14.93	252	16126m	9.337	ng	
89) Benzo(k)fluoranthene	14.94	252	6661m	3.763	ng	
90) Benzo(a)pyrene	15.27	252	12308	7.838	ng	# 67
92) Benzo(g,h,i)perylene	17.19	276	7409	5.767	ng	# 74

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

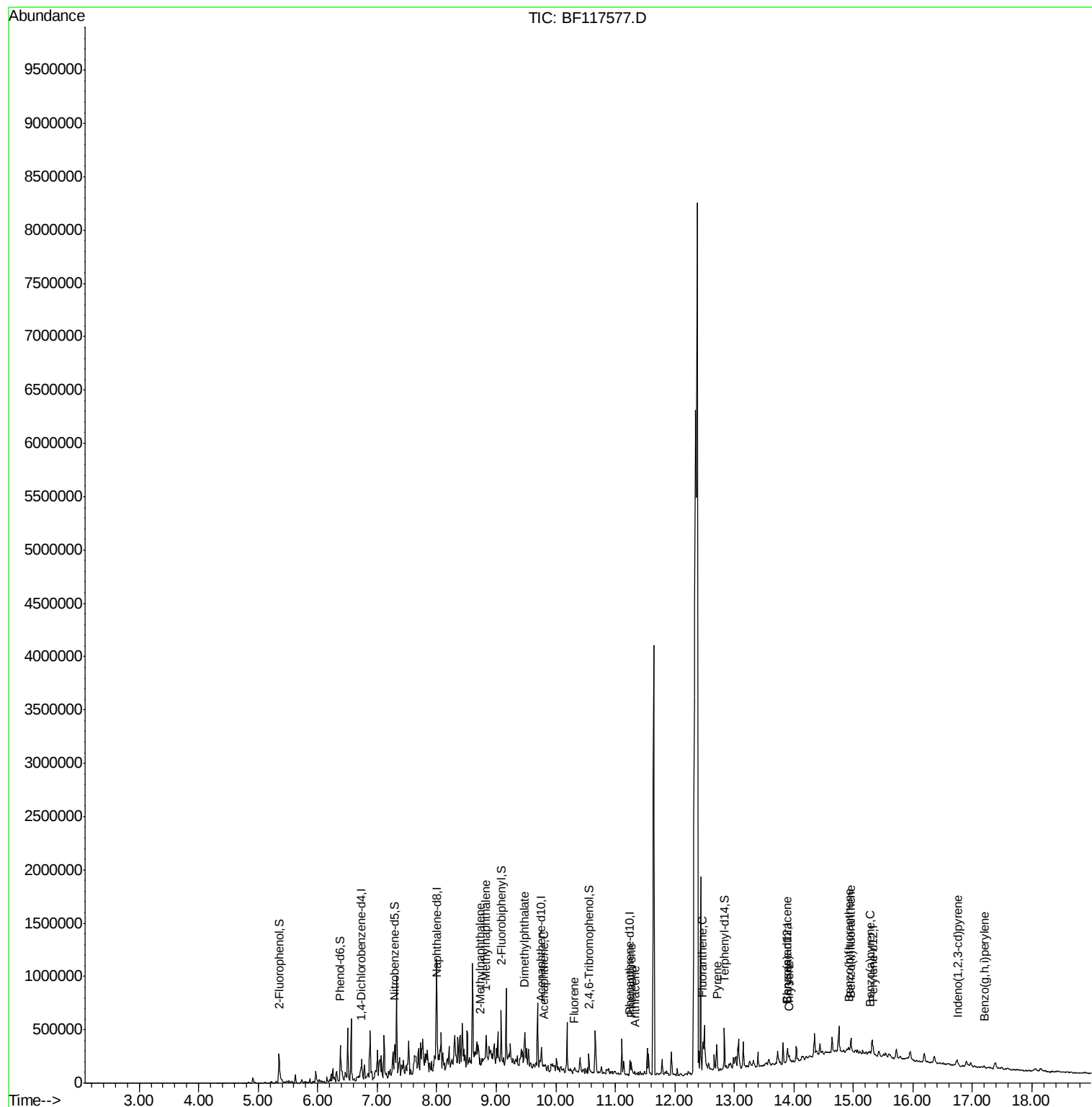
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
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ALS Vial : 23 Sample Multiplier: 1

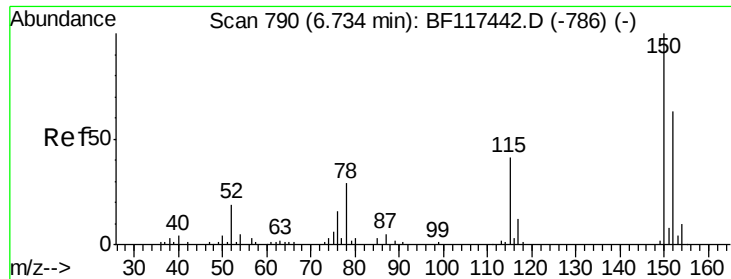
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

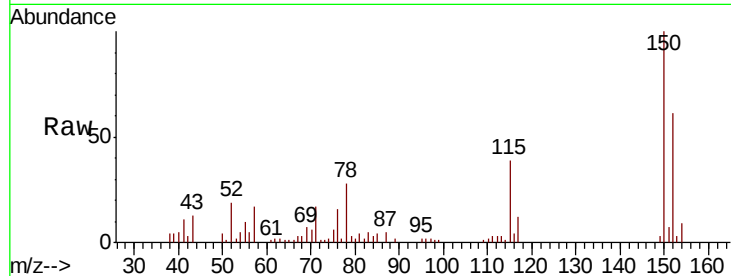
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Instrument :
BNA_F
ClientSampleId :
HR-06-102519

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.3	126.8	190.2
115	64.0	51.6	77.4

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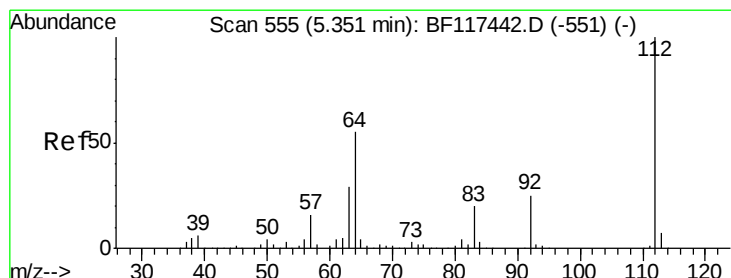
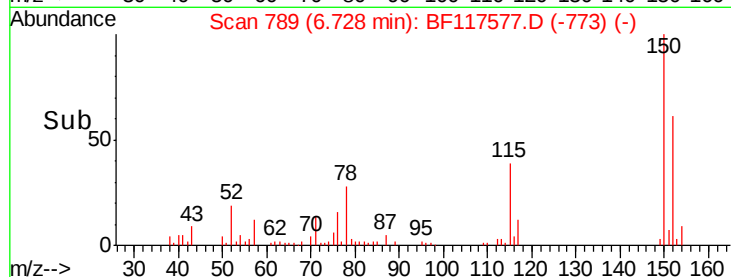
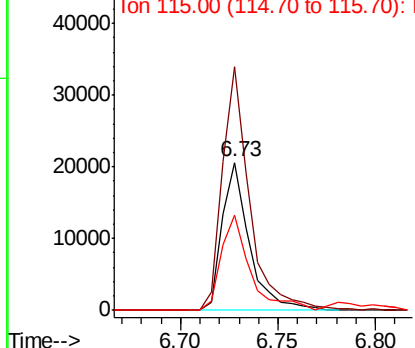


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

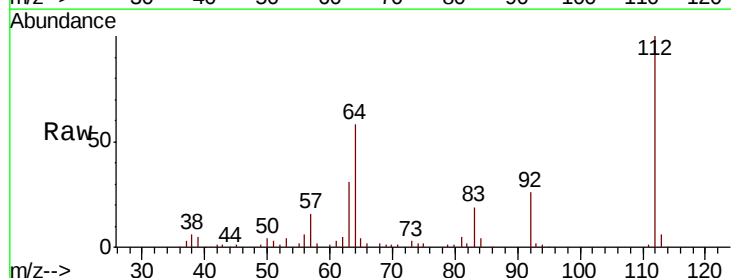
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.715 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	30.9	23.4	35.2

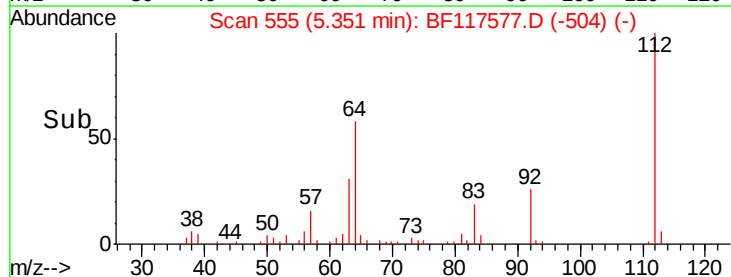
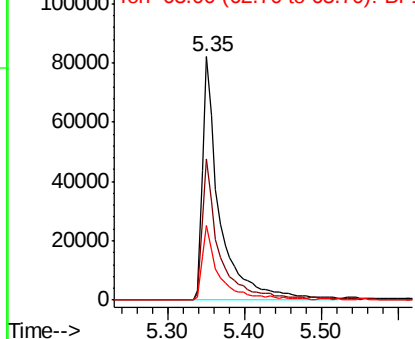


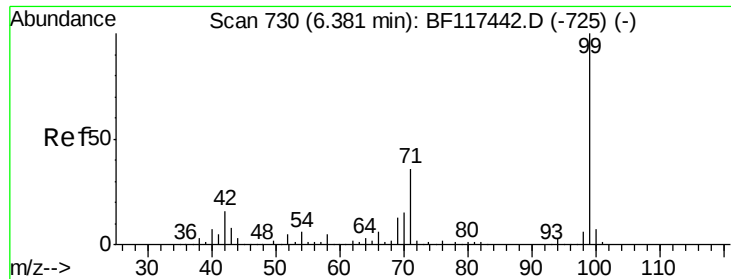
Abundance

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: 97.821 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117577.D

Acq: 28 Oct 2019 22:18

Instrument :

BNA_F

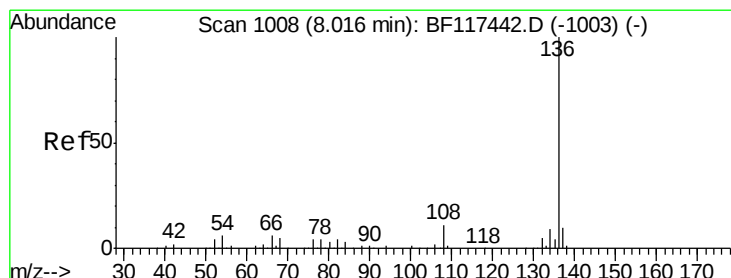
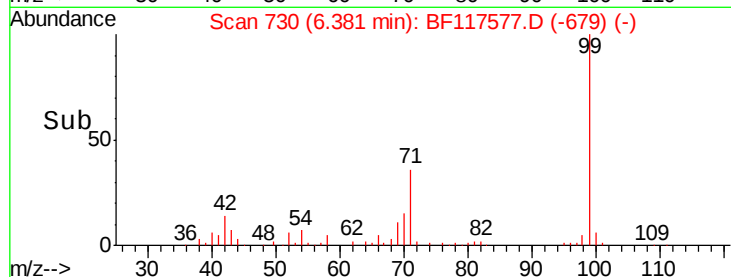
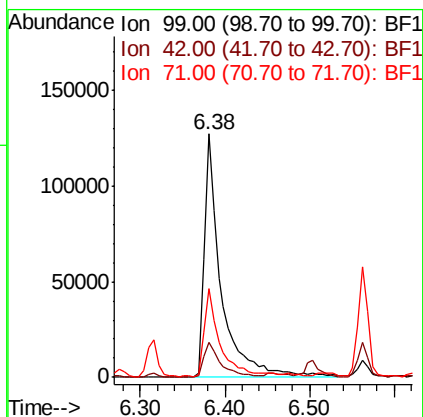
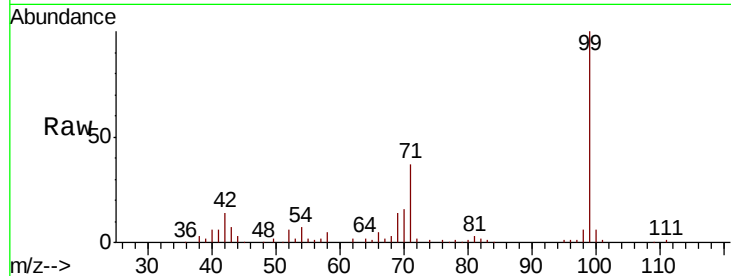
ClientSampleId :

HR-06-102519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		176177		
42	14.4	12.8	19.2		
71	36.5	28.6	43.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

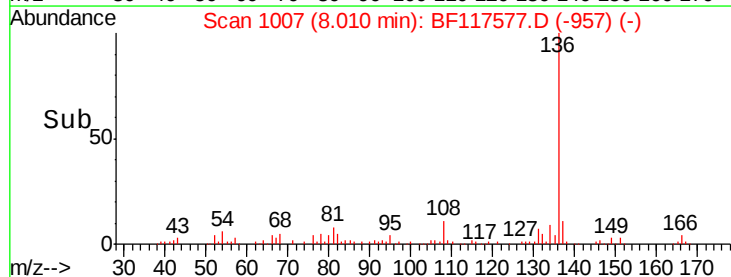
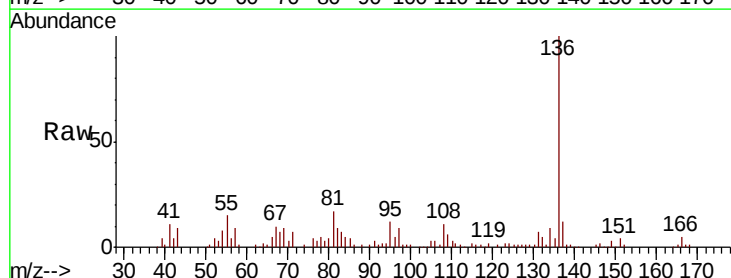
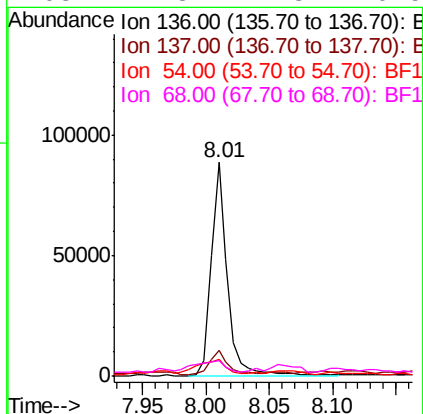
RT: 8.01 min Scan# 1007

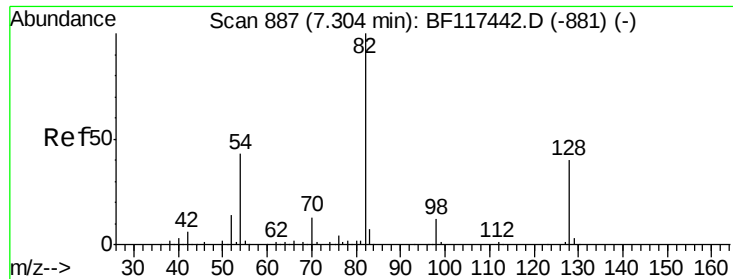
Delta R.T. -0.01 min

Lab File: BF117577.D

Acq: 28 Oct 2019 22:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		80795		
137	12.1	8.2	12.4		
54	7.5	4.5	6.7#		
68	7.3	4.3	6.5#		





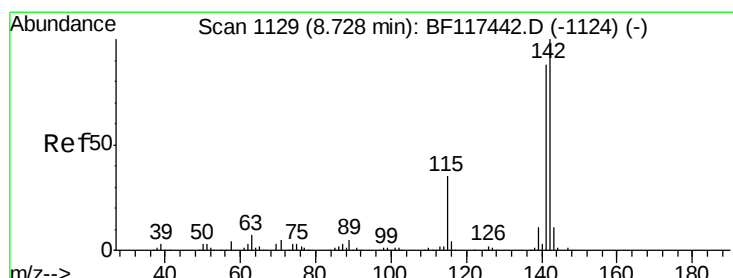
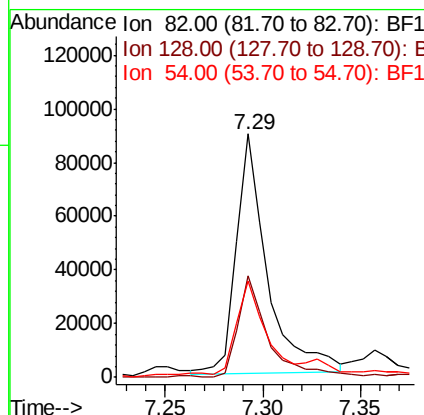
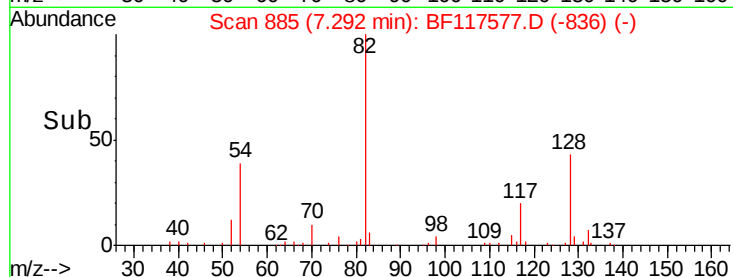
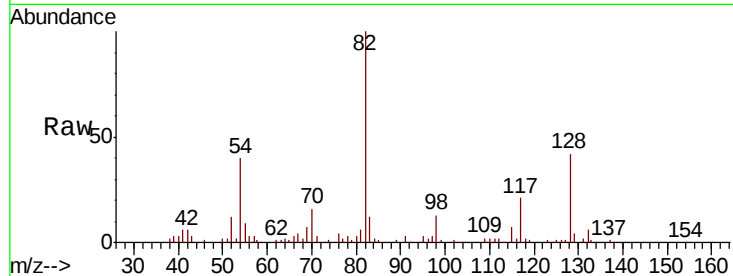
#23
 Nitrobenzene-d5
 Concen: 60.628 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-102519

Tot Ion:	82	Resp:	99224
Ion Ratio	Lower	Upper	
82	100		
128	41.6	32.2	48.2
54	39.7	34.2	51.2

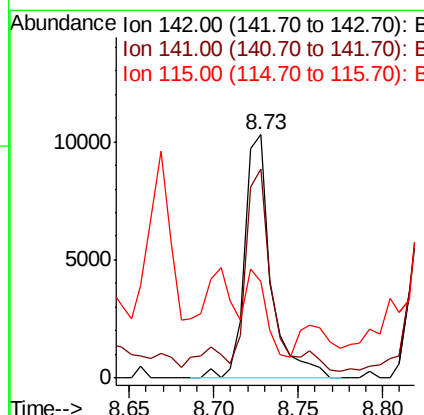
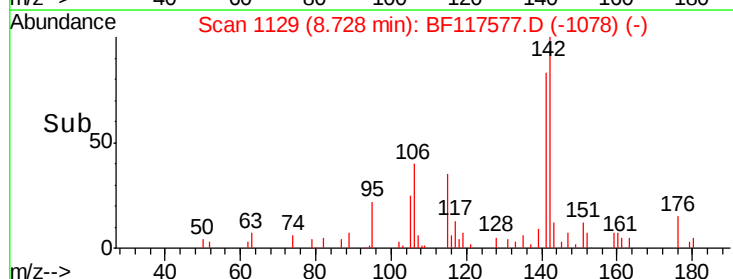
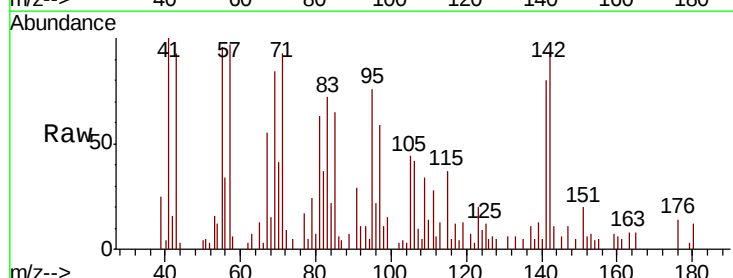
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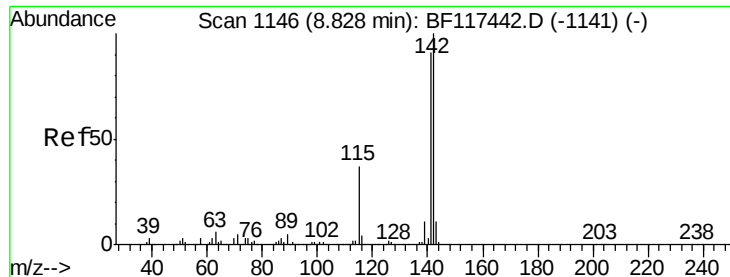
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#37
 2-Methylnaphthalene
 Concen: 4.160 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

Tgt Ion:	142	Resp:	11225
Ion Ratio	Lower	Upper	
142	100		
141	85.8	70.3	105.5
115	39.8	28.2	42.2





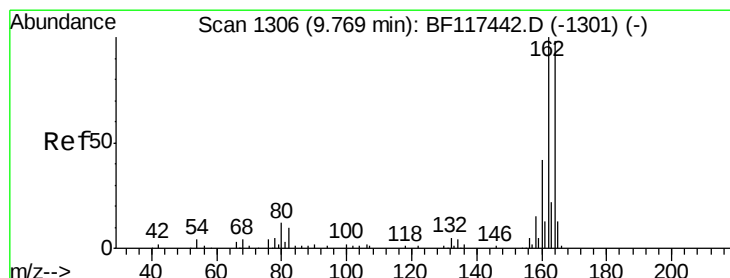
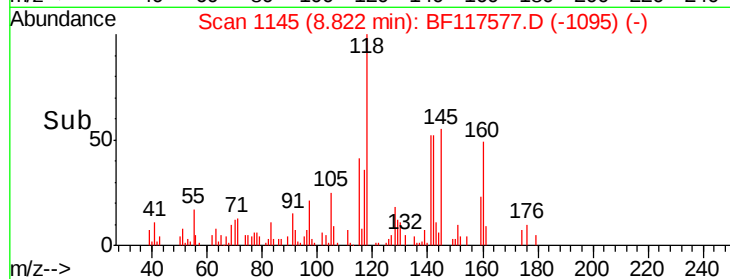
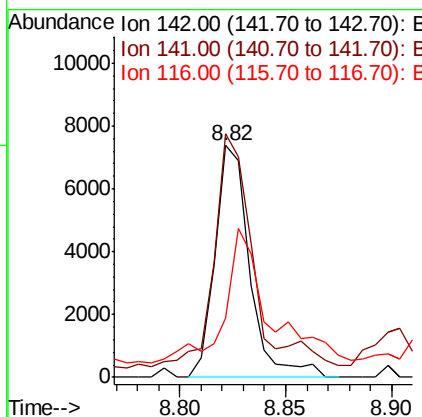
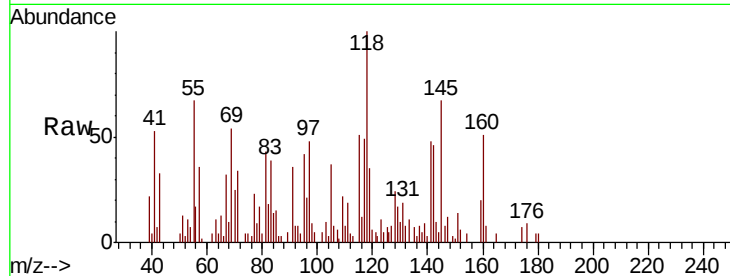
#38
1-Methylnaphthalene
Concen: 3.321 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Instrument :
BNA_F
ClientSampleId :
HR-06-102519

Tot Ion	Ratio	Lower	Upper
142	100		
141	105.1	73.3	109.9
116	25.5	3.1	4.7#

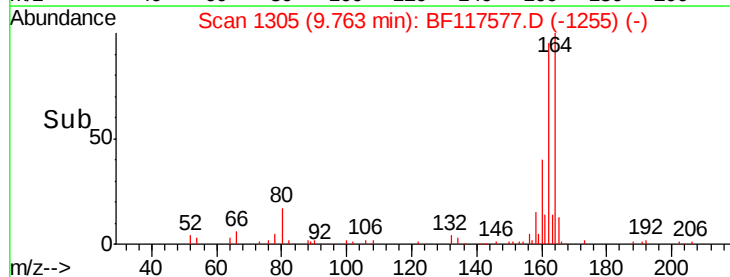
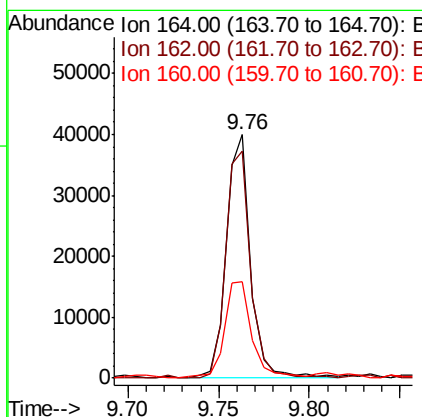
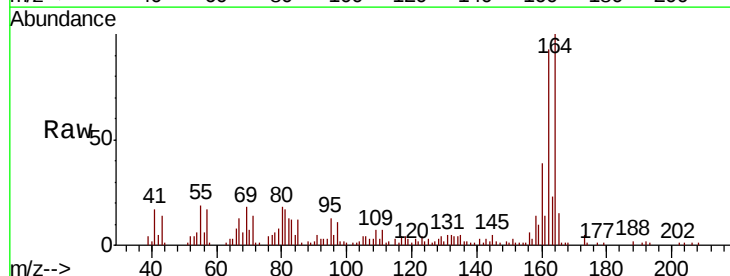
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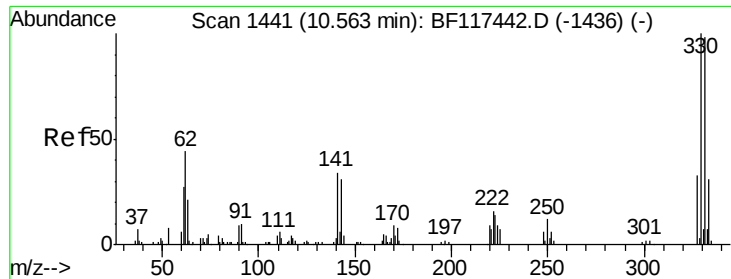
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.0	81.8	122.6
160	39.5	34.4	51.6





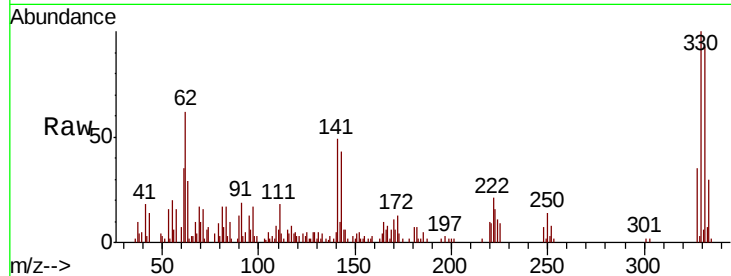
#42
 2,4,6-Tribromophenol
 Concen: 70.417 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-102519

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.7	78.5	117.7
141	51.0	37.0	55.6

Manual Integrations
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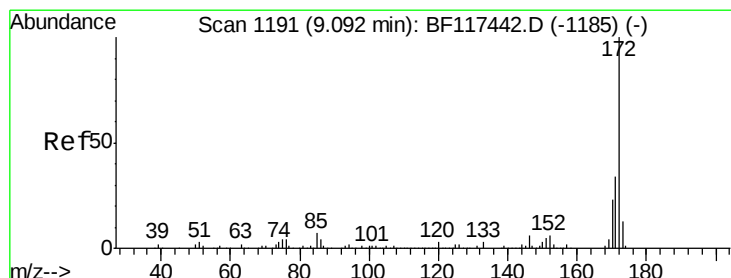
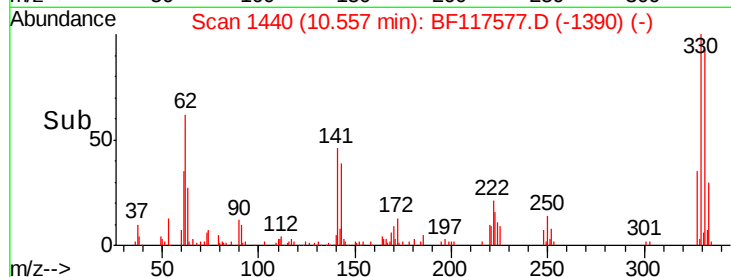
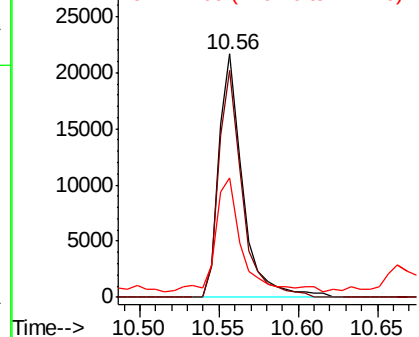


Abundance

Ion 329.80 (329.50 to 330.50): E

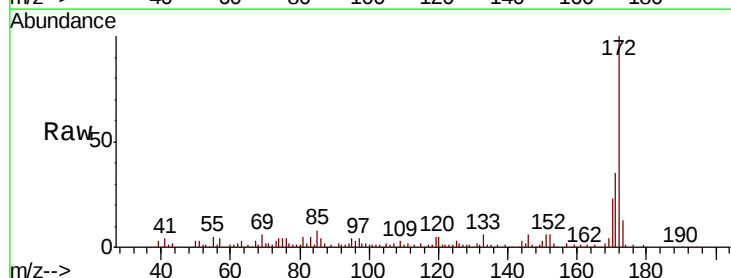
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 54.761 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.5	41.3
170	23.1	18.6	27.8

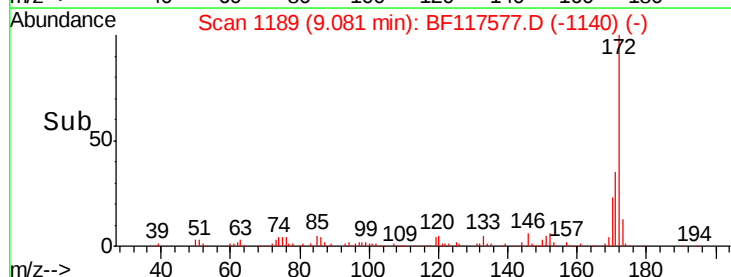
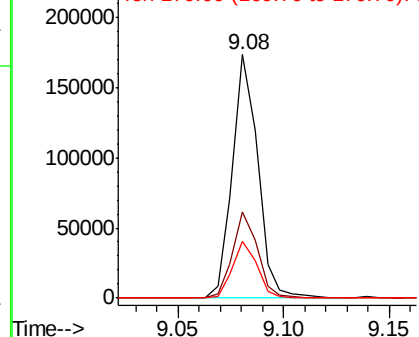


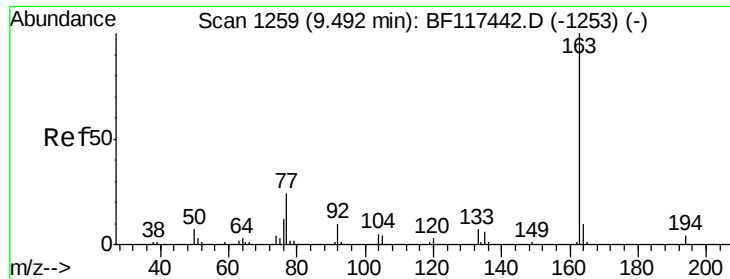
Abundance

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





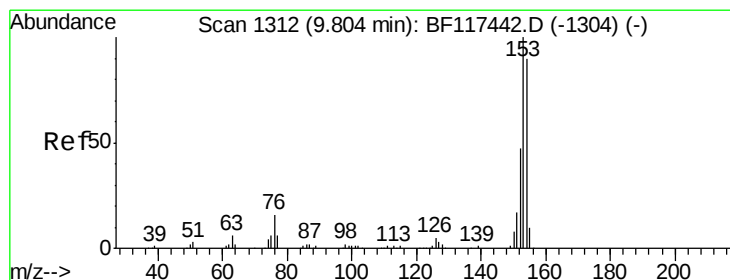
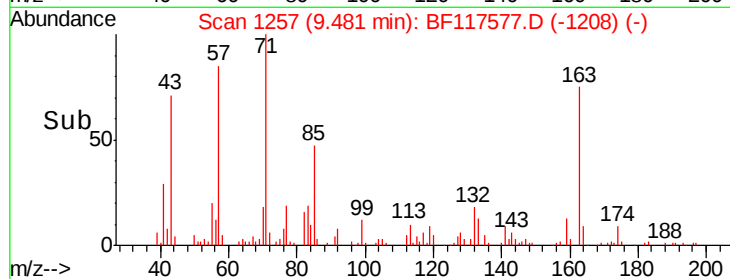
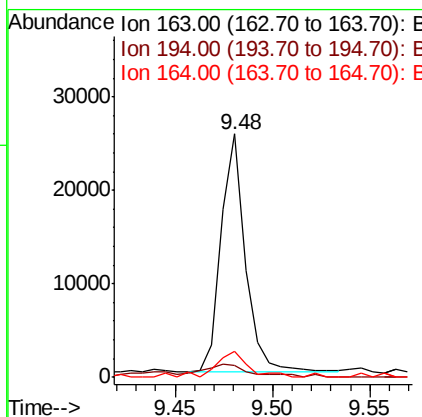
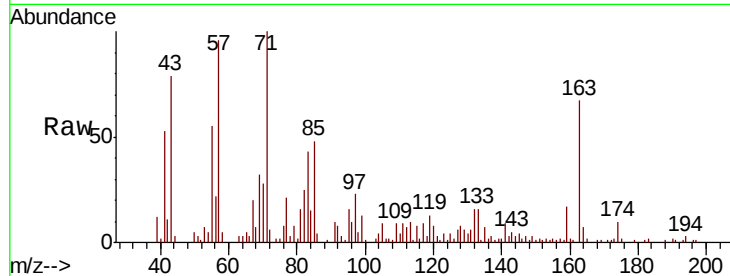
#50
Dimethylphthalate
Concen: 8.350 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Instrument :
BNA_F
ClientSampleId :
HR-06-102519

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.9	4.3#
164	10.9	8.2	12.2

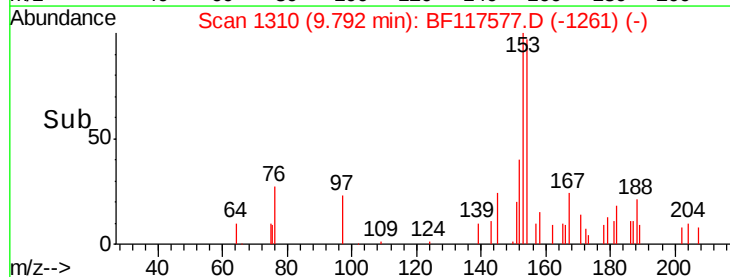
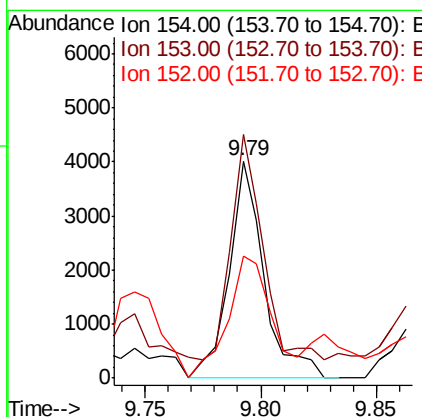
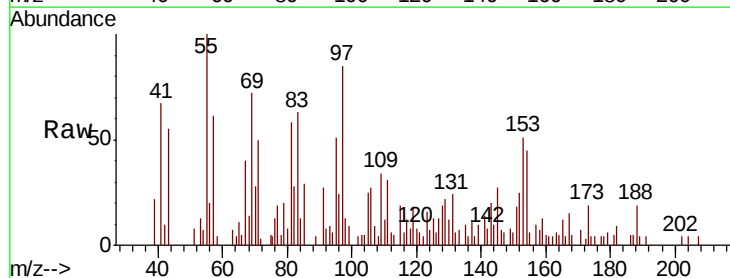
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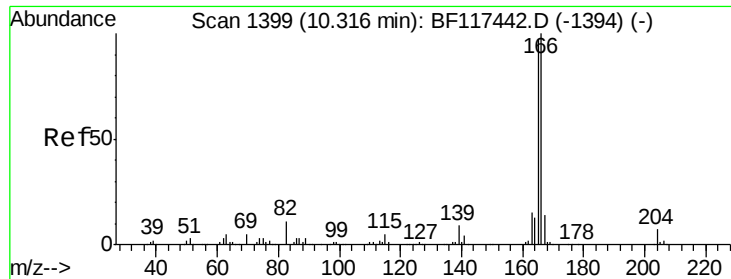
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#52
Acenaphthene
Concen: 2.013 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.2	133.8
152	56.0	41.8	62.6





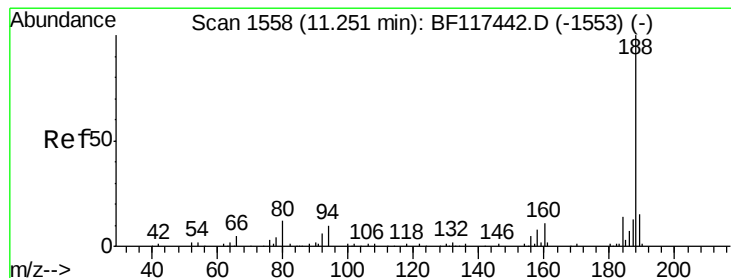
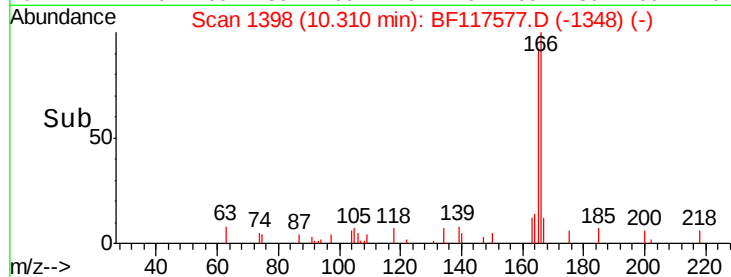
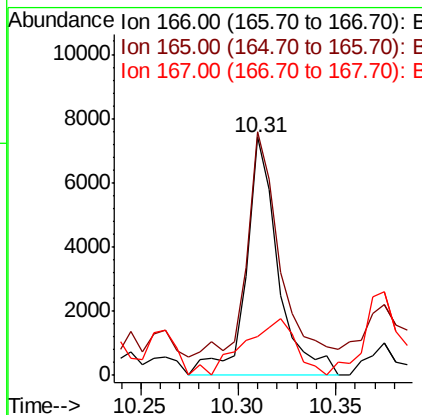
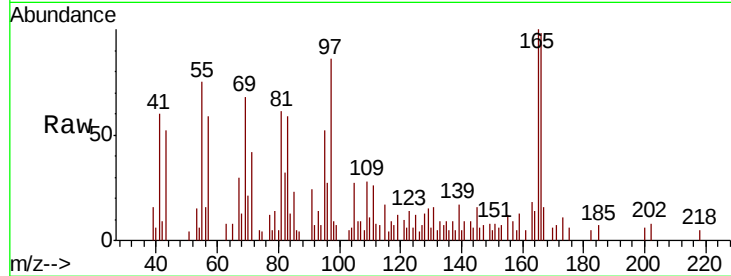
#58
 Fluorene
 Concen: 3.355 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-102519

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.1	77.6	116.4
167	16.4	11.0	16.4#

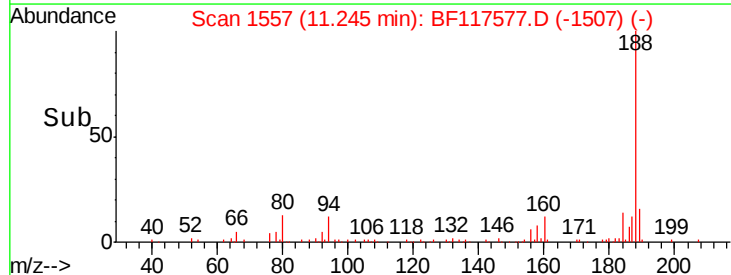
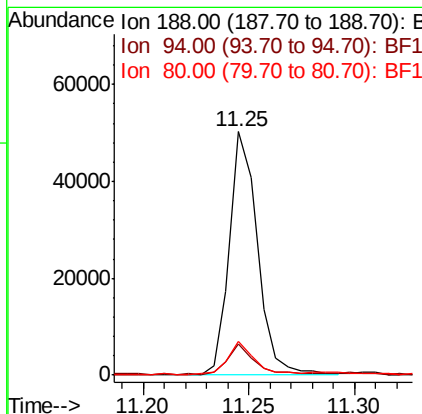
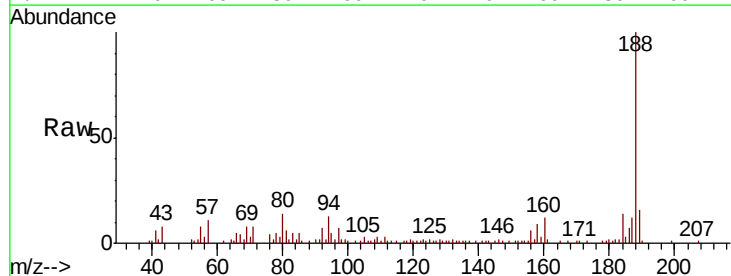
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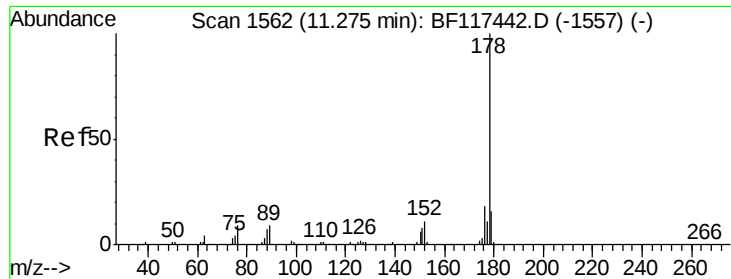
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	8.0	12.0#
80	13.7	9.5	14.3





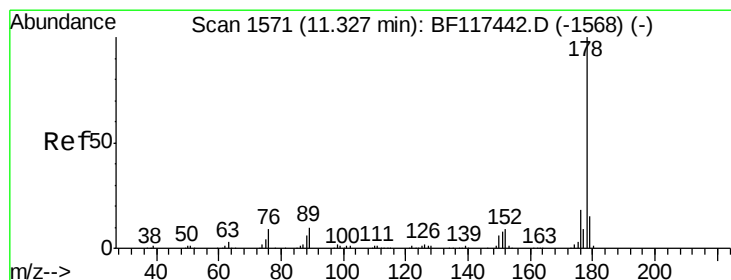
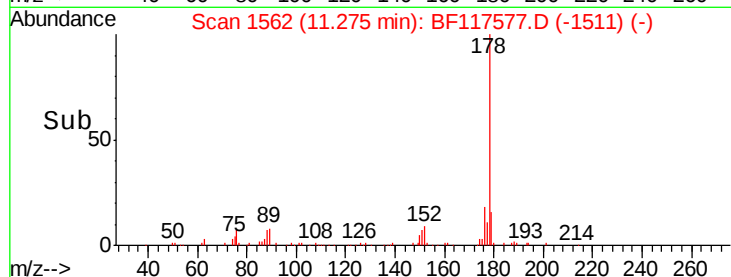
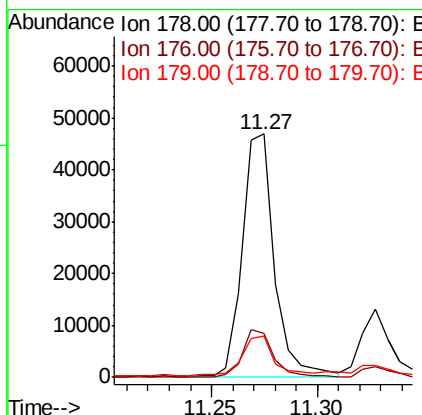
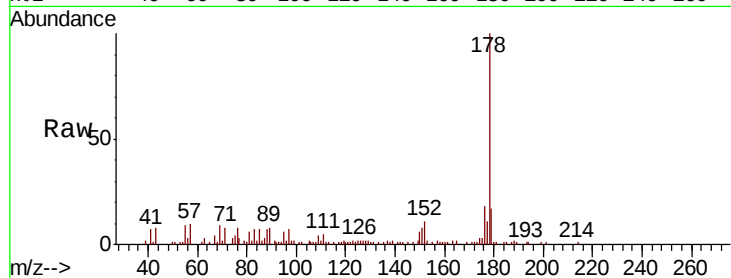
#71
Phenanthrene
Concen: 18.416 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Instrument :
BNA_F
ClientSampleId :
HR-06-102519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	16.8	12.6	19.0

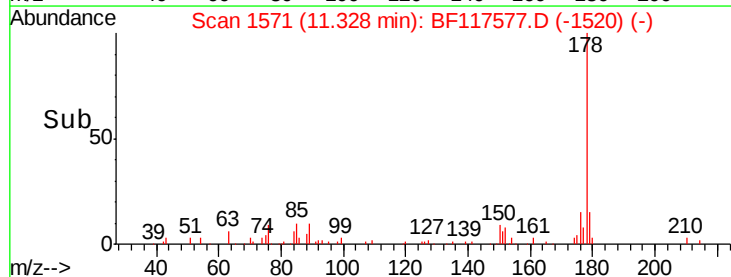
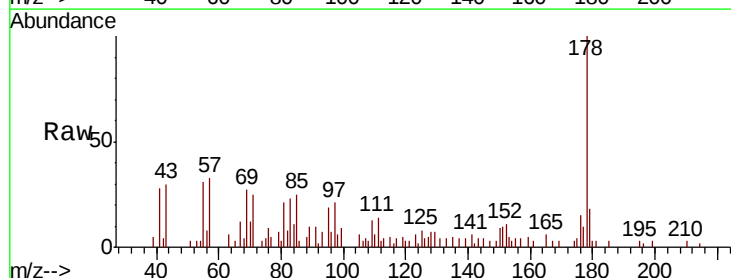
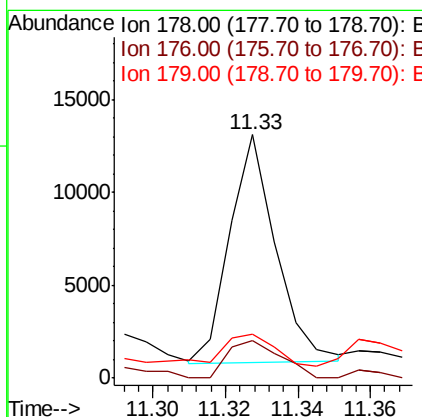
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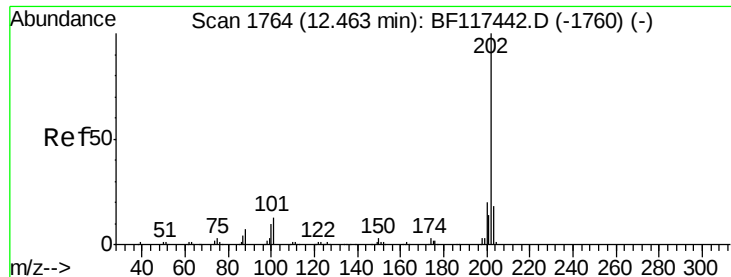
mohammad
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#72
Anthracene
Concen: 3.932 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.3	14.7	22.1
179	18.2	12.2	18.2





#75

Fluoranthene

Concen: 22.622 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117577.D

Acq: 28 Oct 2019 22:18

Instrument :

BNA_F

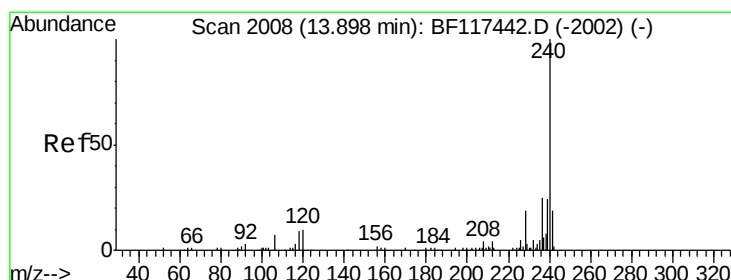
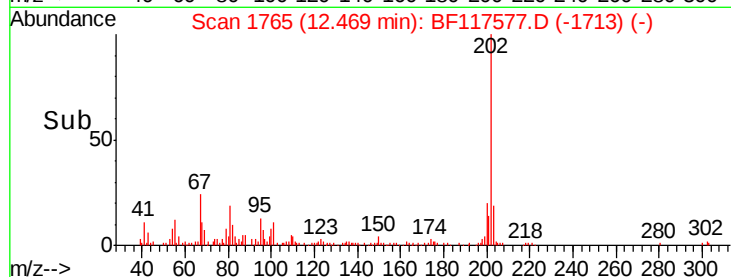
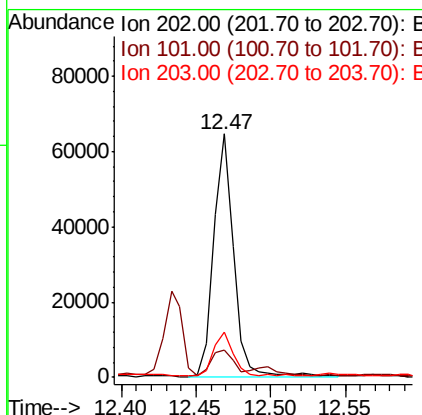
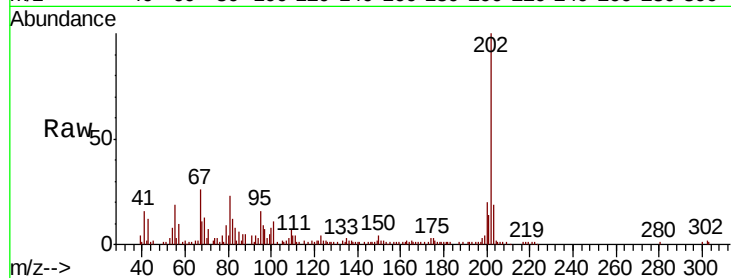
ClientSampleId :

HR-06-102519

Tot Ion:	202	Resp:	61019
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	32.7
203	18.6	0.0	37.6

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

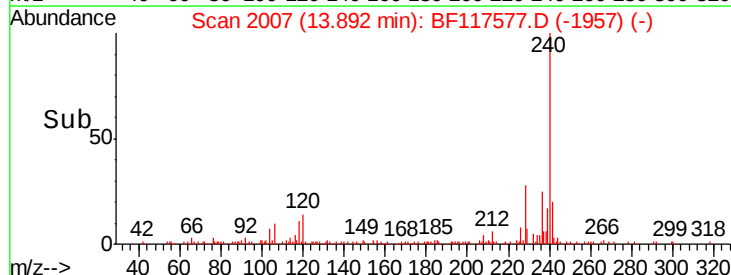
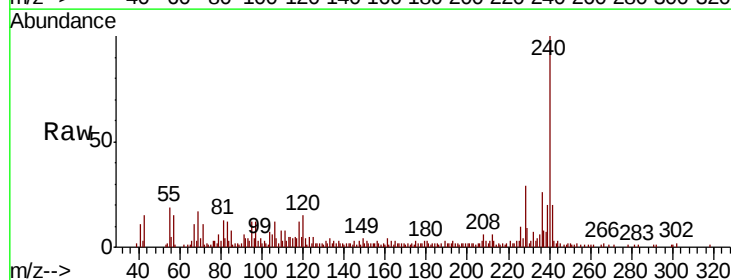
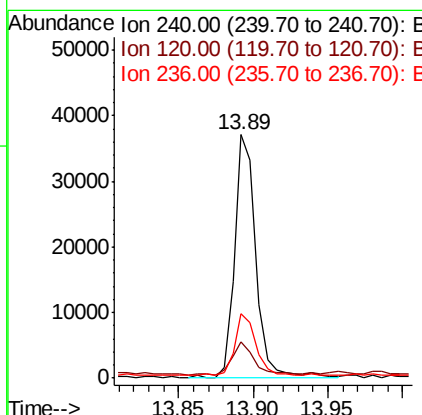
RT: 13.89 min Scan# 2007

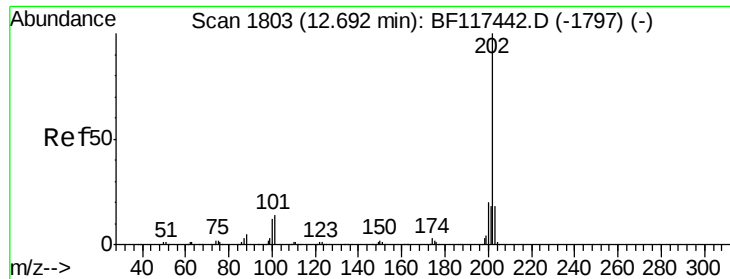
Delta R.T. -0.01 min

Lab File: BF117577.D

Acq: 28 Oct 2019 22:18

Tgt Ion:	240	Resp:	37568
Ion Ratio	Lower	Upper	
240	100		
120	15.0	8.4	12.6#
236	26.3	20.0	30.0





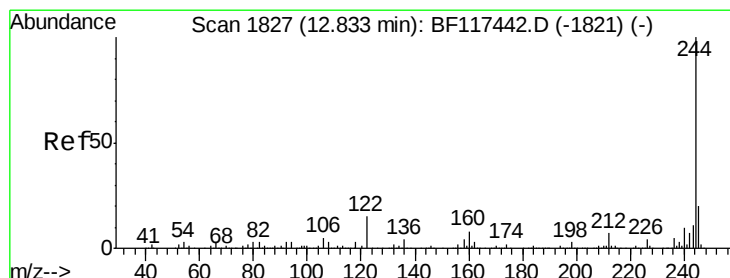
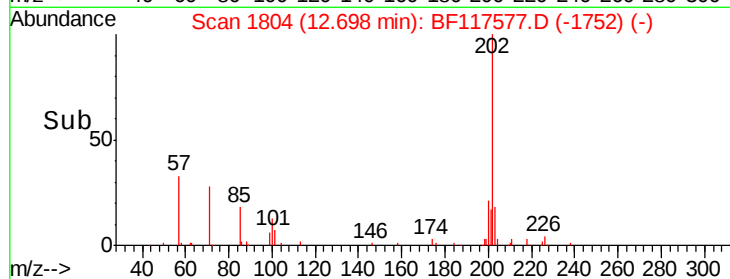
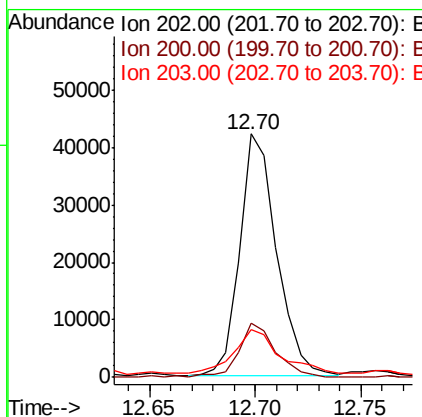
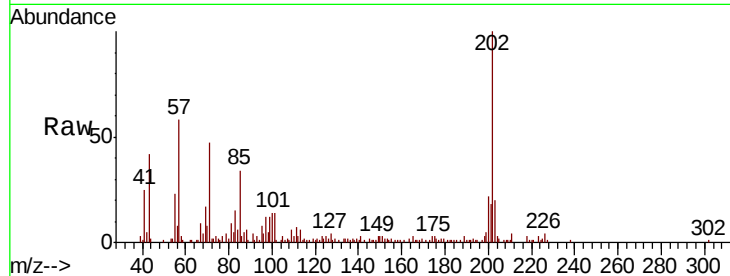
#78
Pvrene
Concen: 15.689 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Instrument :
BNA_F
ClientSampleId :
HR-06-102519

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.2	24.2
203	19.7	14.0	21.0

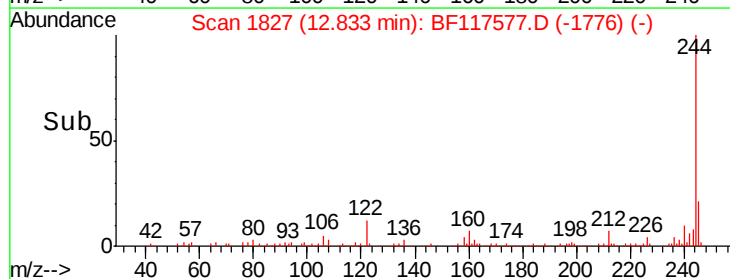
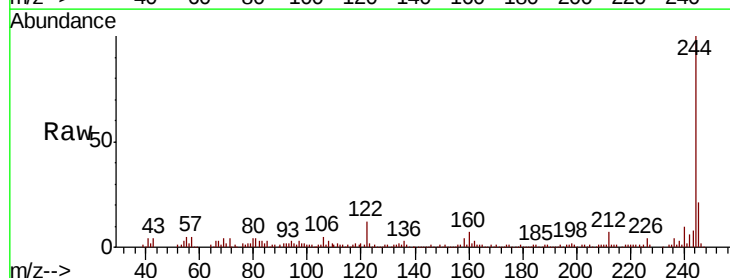
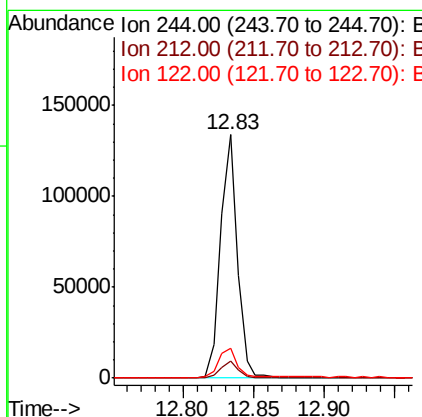
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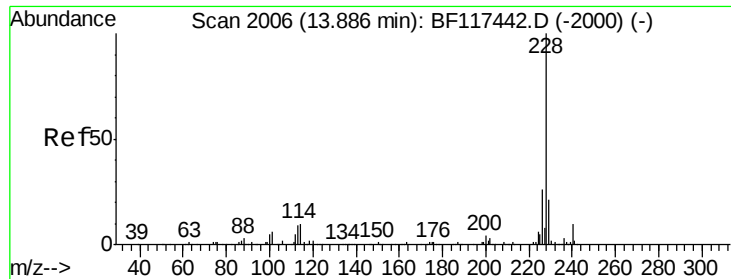
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#79
Terphenyl-d14
Concen: 48.513 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	12.0	11.8	17.8





#81

Benzo(a)anthracene

Concen: 9.024 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF117577.D

Acq: 28 Oct 2019 22:18

Instrument :

BNA_F

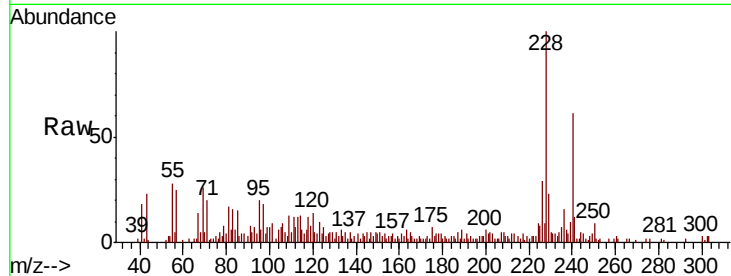
ClientSampleId :

HR-06-102519

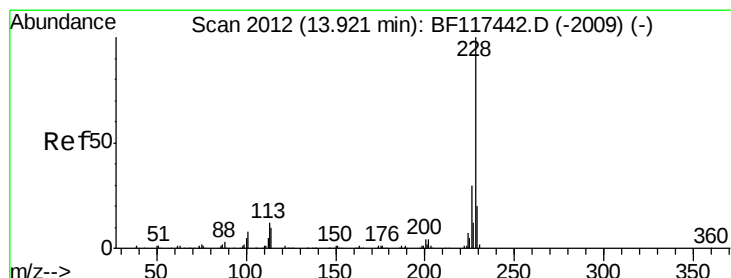
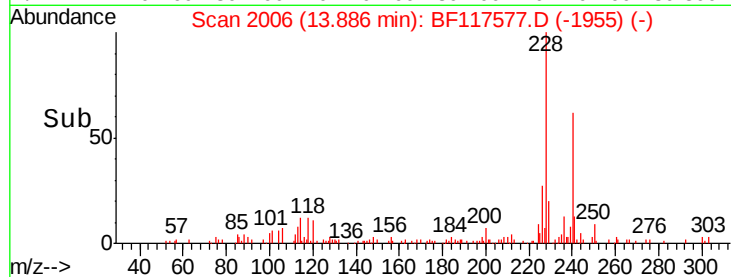
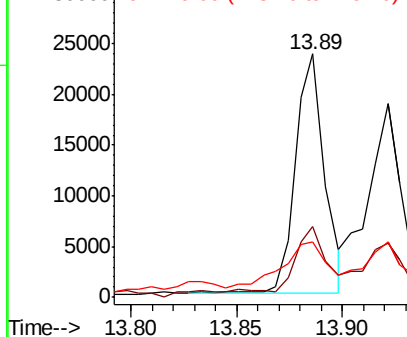
Tot Ion:	228	Resp:	22867
Ion Ratio	Lower	Upper	
228	100		
226	28.8	21.0	31.4
229	23.0	16.4	24.6

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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



#83

Chrysene

Concen: 8.783 ng m

RT: 13.92 min Scan# 2012

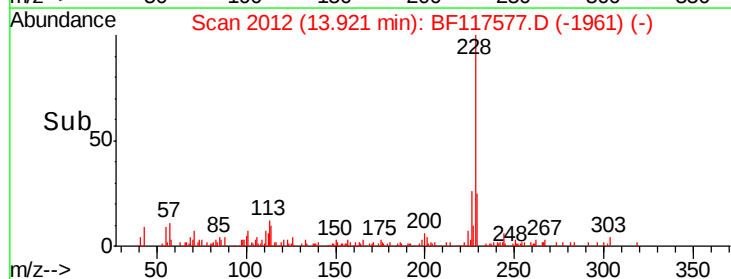
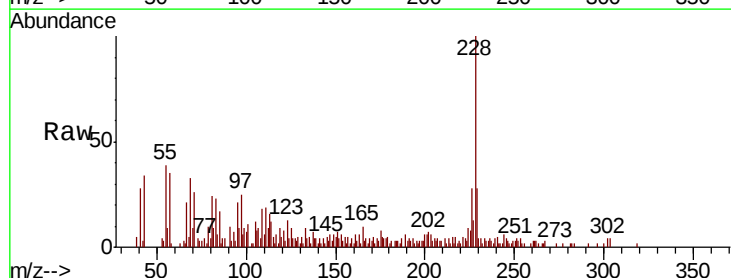
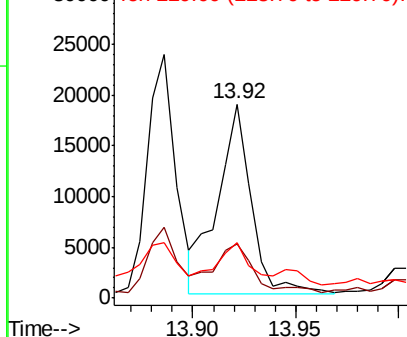
Delta R.T. 0.00 min

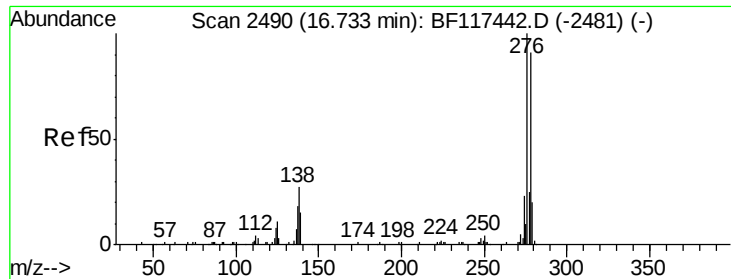
Lab File: BF117577.D

Acq: 28 Oct 2019 22:18

Tgt Ion:	228	Resp:	21814
Ion Ratio	Lower	Upper	
228	100		
226	27.6	23.9	35.9
229	28.3	15.8	23.6#

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





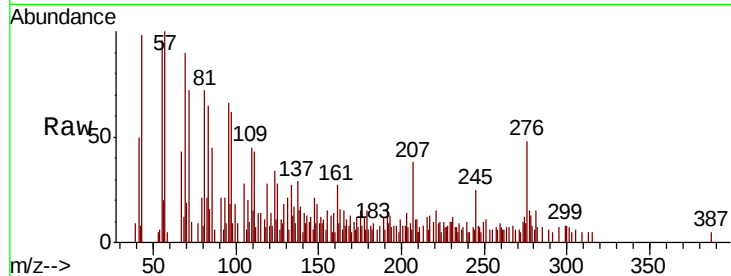
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.361 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.03 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-102519

Tot Ion	Ratio	Lower	Upper
276	100		
138	3.8	21.8	32.8#
277	3.1	20.0	30.0#

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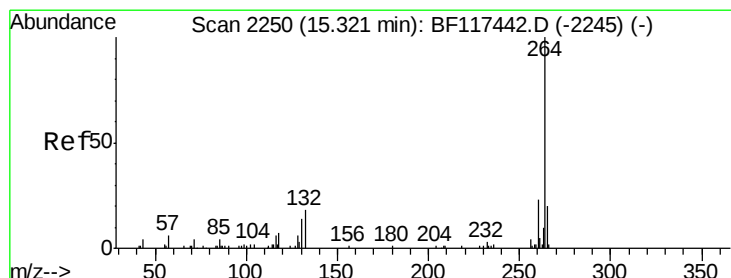
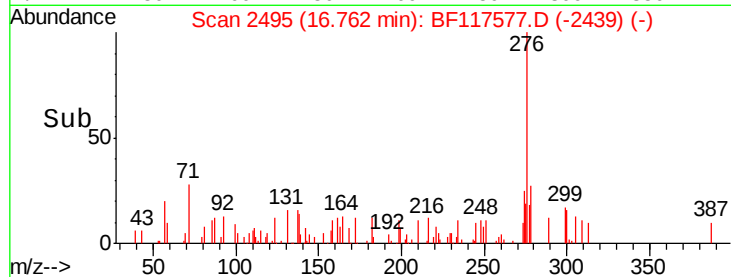
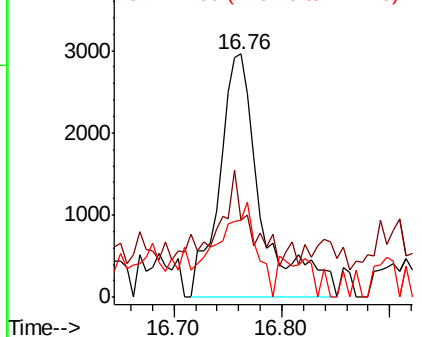


Abundance

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: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117577.D
 Acq: 28 Oct 2019 22:18

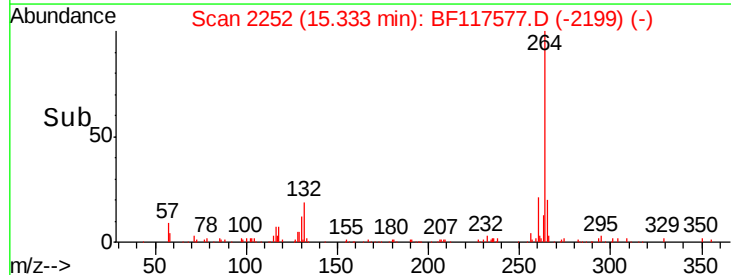
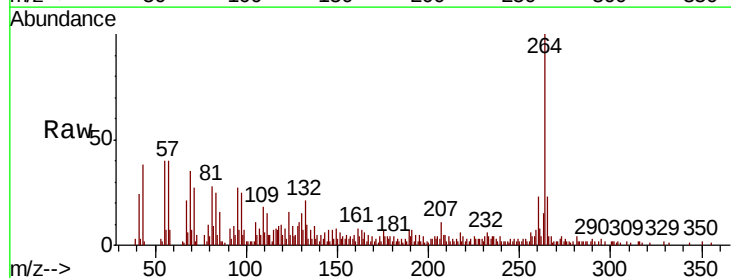
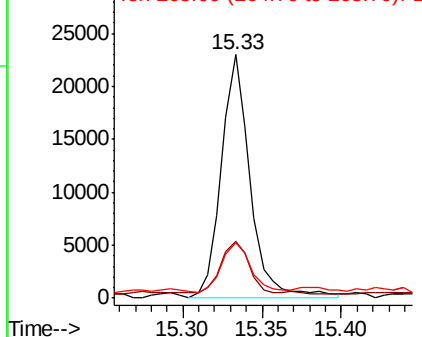
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	22.8	16.1	24.1

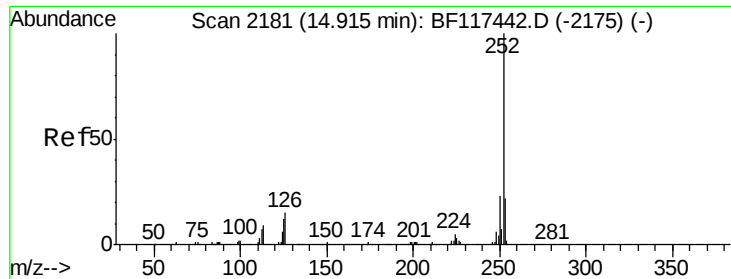
Abundance

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





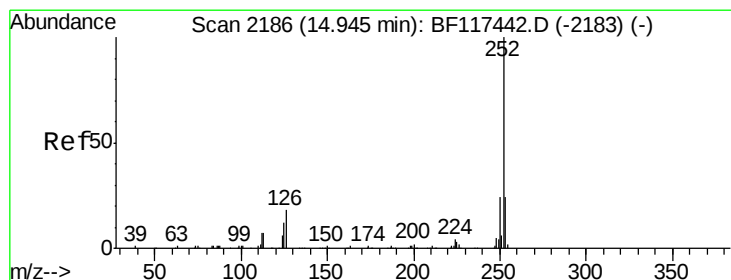
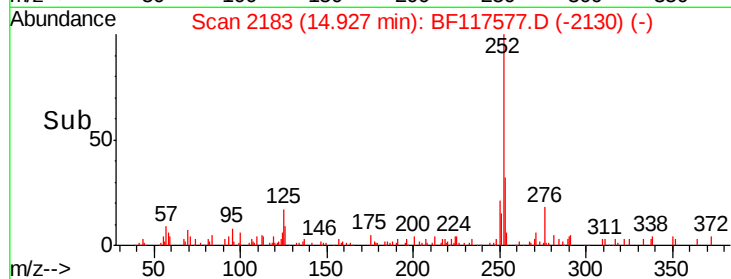
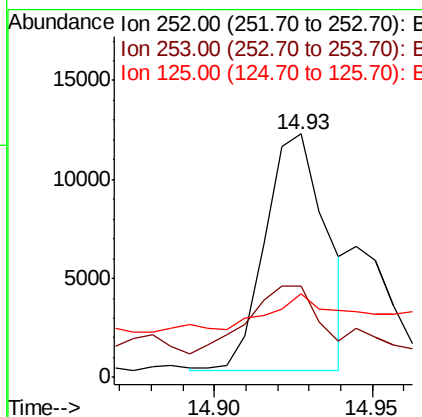
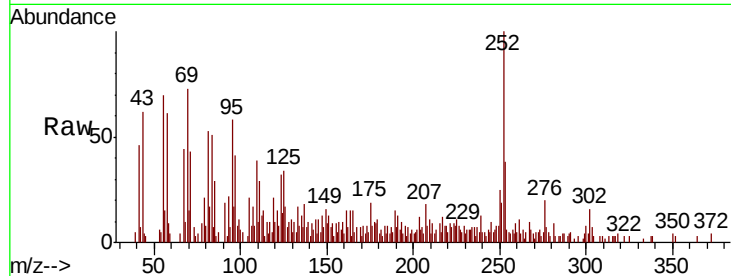
#88
Benzo(b)fluoranthene
Concen: 9.337 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Instrument :
BNA_F
ClientSampleId :
HR-06-102519

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.6	17.8	26.6#
125	34.1	9.9	14.9#

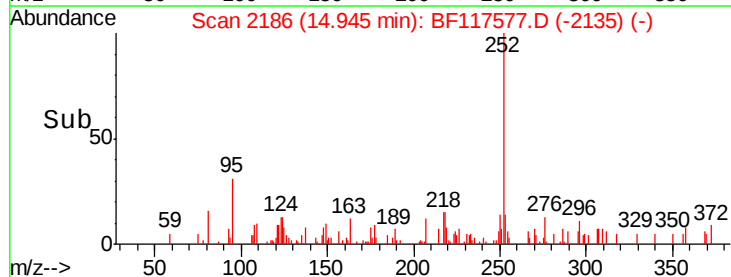
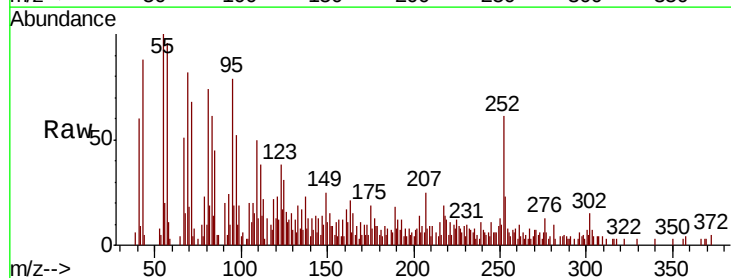
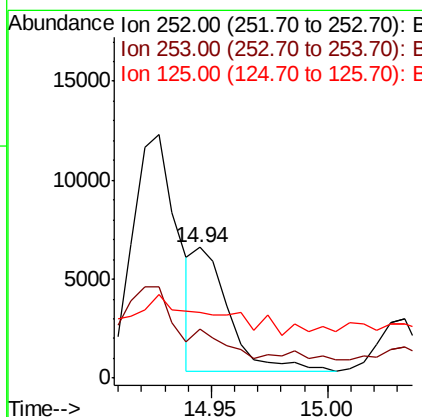
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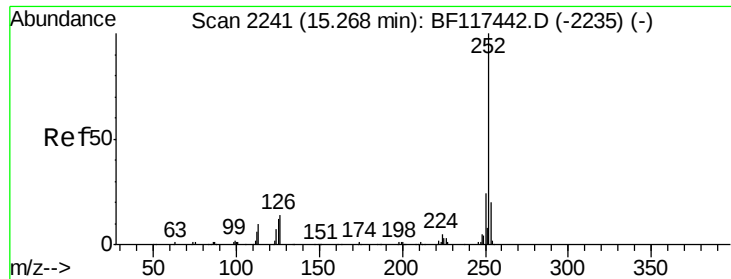
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#89
Benzo(k)fluoranthene
Concen: 3.763 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.2	18.0	27.0#
125	50.6	8.9	13.3#





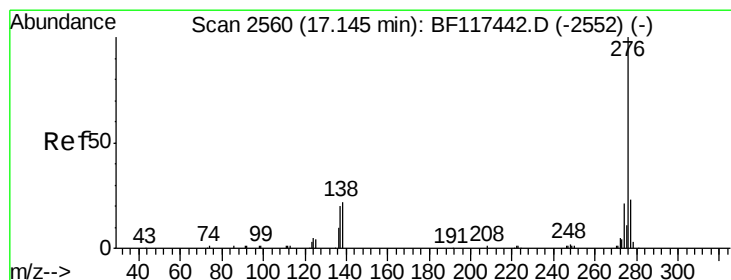
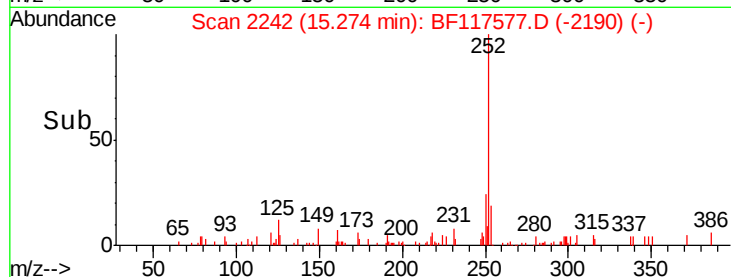
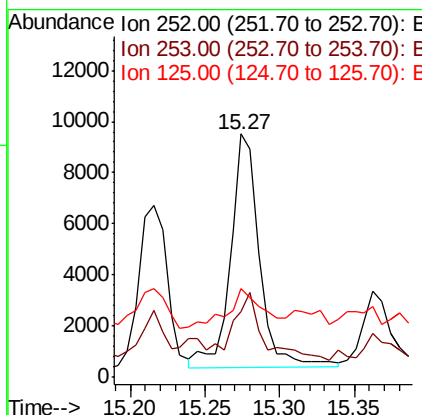
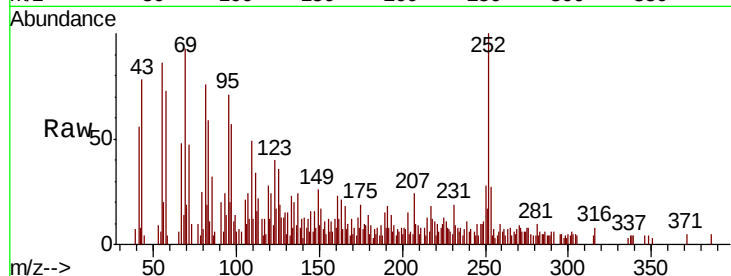
#90
Benzo(a)pyrene
Concen: 7.838 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Instrument :
BNA_F
ClientSampleId :
HR-06-102519

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	16.3	24.5#
125	36.3	9.2	13.8#

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#92
Benzo(g,h,i)perylene
Concen: 5.767 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117577.D
Acq: 28 Oct 2019 22:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	40.3	18.4	27.6#
138	29.4	17.8	26.6#

