

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117516.D
 Acq On : 24 Oct 2019 17:59
 Operator : JU
 Sample : K5499-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 194-84-(0-1)

Manual Integrations
 APPROVED

mohammad
 10/26/2019 10:02:54 AM

Quant Time: Oct 25 03:49:39 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	39474	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	160312	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	79940	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	113711	20.00	ng	0.00
76) Chrysene-d12	13.89	240	74103	20.00	ng	0.00
87) Perylene-d12	15.33	264	85409	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	237723	89.59	ng	0.00
7) Phenol-d6	6.39	99	322297	90.44	ng	0.00
23) Nitrobenzene-d5	7.30	82	202164	62.26	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	53327	77.10	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	312185	55.02	ng	0.00
79) Terphenyl-d14	12.83	244	190086	41.84	ng	0.00
Target Compounds						
10) Phenol	6.40	94	9901	2.722	ng	Qvalue 95
50) Dimethylphthalate	9.48	163	55880	9.805	ng	99
71) Phenanthrene	11.27	178	79908	12.102	ng	99
72) Anthracene	11.33	178	17473	2.579	ng	98
75) Fluoranthene	12.46	202	119185	18.031	ng	99
78) Pyrene	12.69	202	101478	15.943	ng	98
80) Butylbenzylphthalate	13.30	149	8957	2.828	ng	98
81) Benzo(a)anthracene	13.88	228	48912	9.785	ng	98
83) Chrysene	13.92	228	50520	10.313	ng	95
84) Bis(2-ethylhexyl)phthalate	13.86	149	61474	13.855	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.74	276	23630	6.461	ng	97
88) Benzo(b)fluoranthene	14.92	252	64327m	12.754	ng	
89) Benzo(k)fluoranthene	14.94	252	21389m	4.138	ng	
90) Benzo(a)pyrene	15.27	252	45863	10.002	ng	# 96
92) Benzo(a,h,i)perylene	17.17	276	21822	5.817	ng	98

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

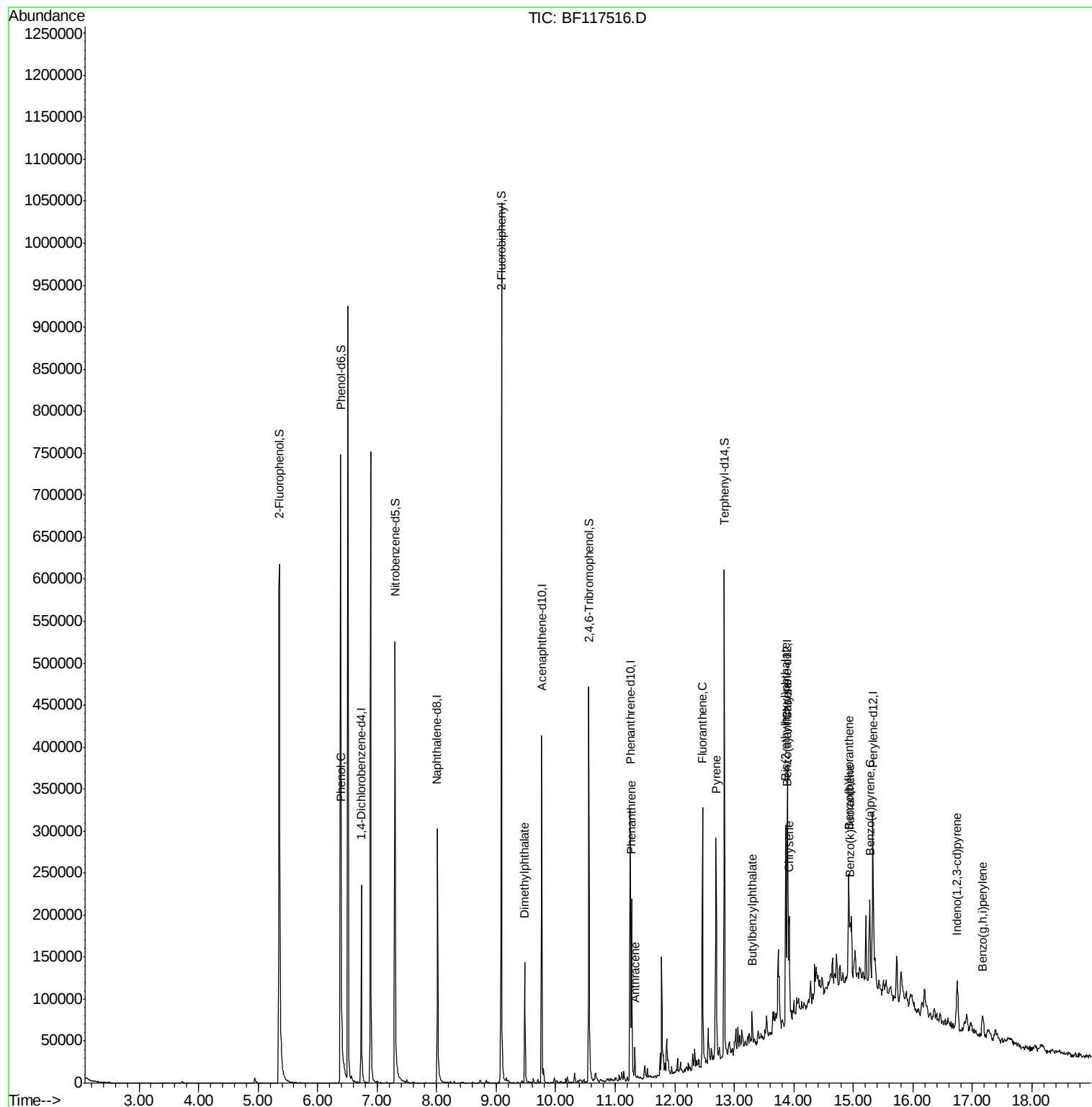
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117516.D
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#1

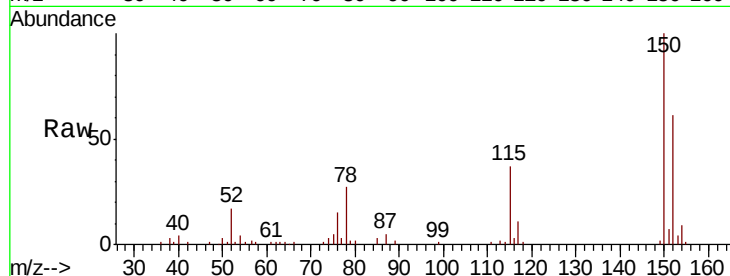
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	126.8	190.2
115	59.8	51.6	77.4

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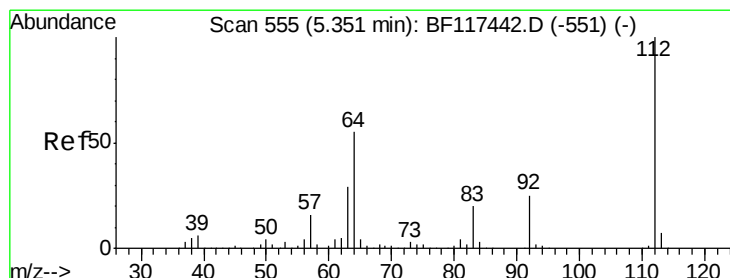
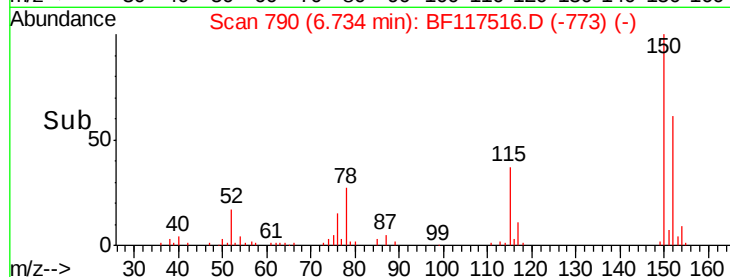
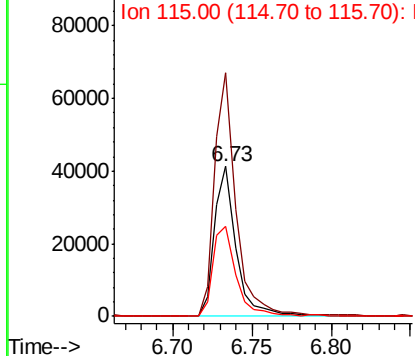


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

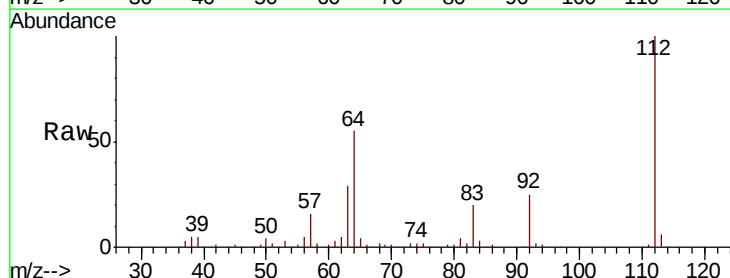
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.594 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	29.1	23.4	35.2

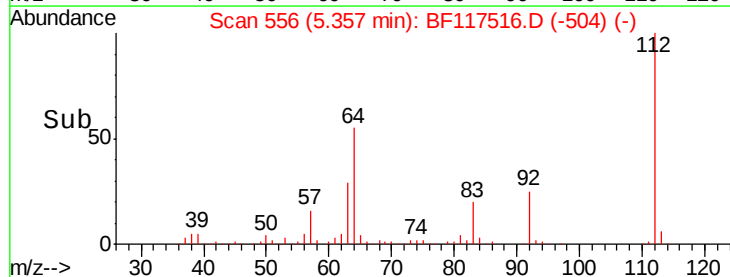
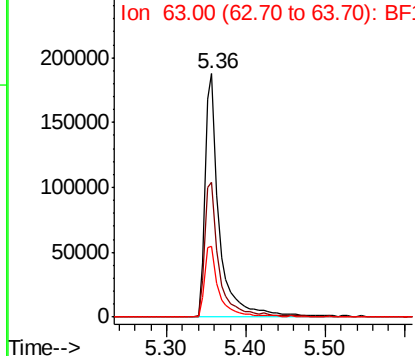


Abundance

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: 90.438 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

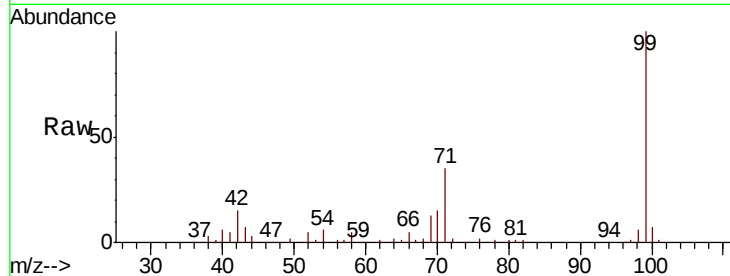
ClientSampleId :

194-84-(0-1)

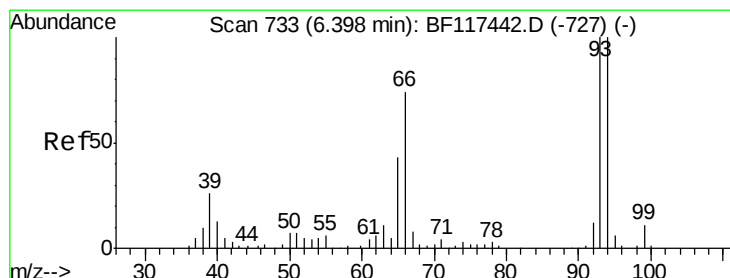
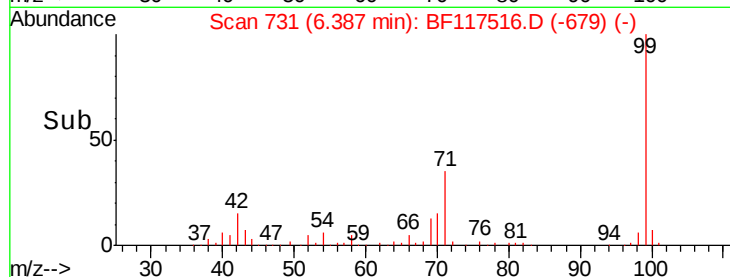
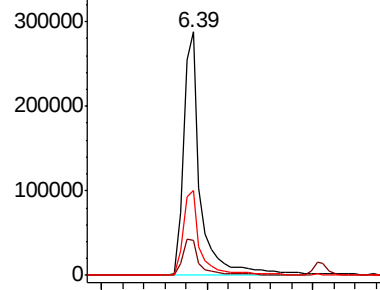
Tot Ion:	99	Resp:	322297
Ion Ratio	Lower	Upper	
99	100		
42	14.6	12.8	19.2
71	34.7	28.6	43.0

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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



#10

Phenol

Concen: 2.722 ng

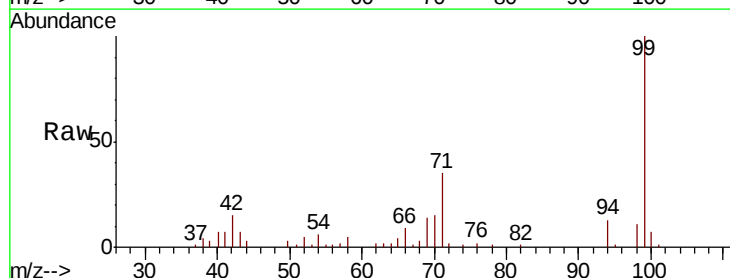
RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

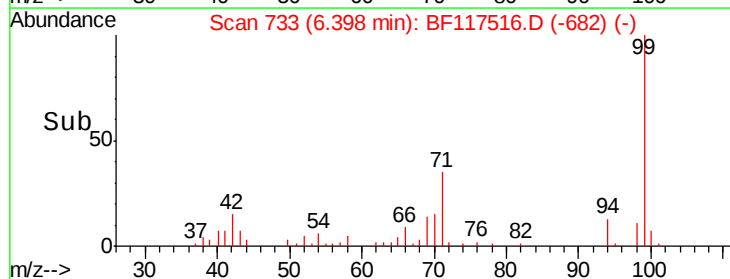
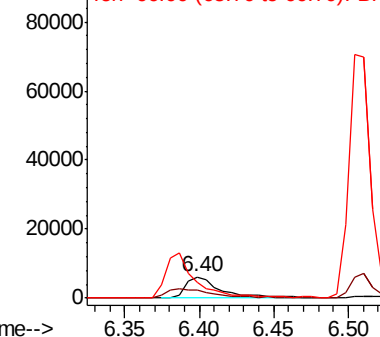
Lab File: BF117516.D

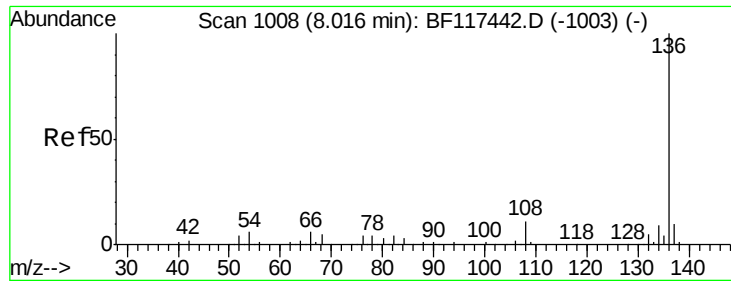
Acq: 24 Oct 2019 17:59

Tgt Ion:	94	Resp:	9901
Ion Ratio	Lower	Upper	
94	100		
65	35.2	23.4	63.4
66	73.8	54.7	94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





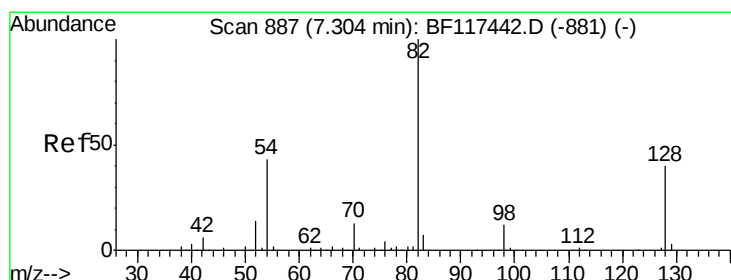
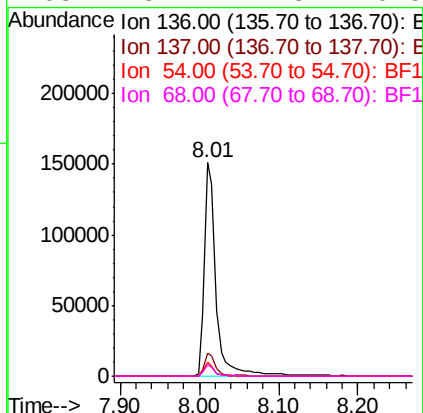
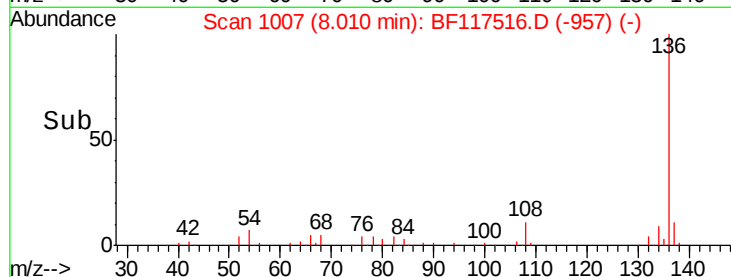
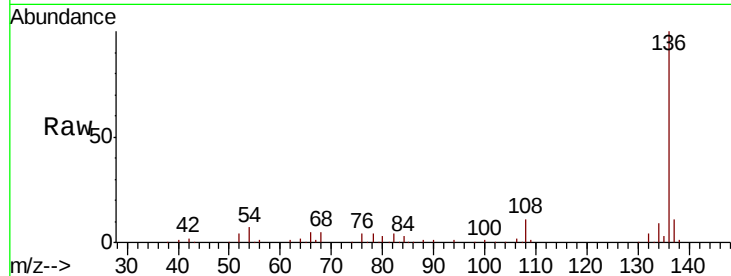
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.2	12.4
54	6.9	4.5	6.7
68	5.4	4.3	6.5

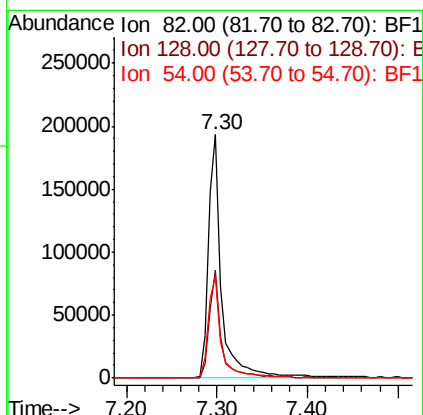
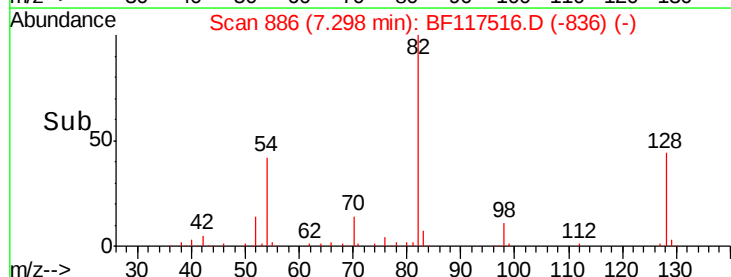
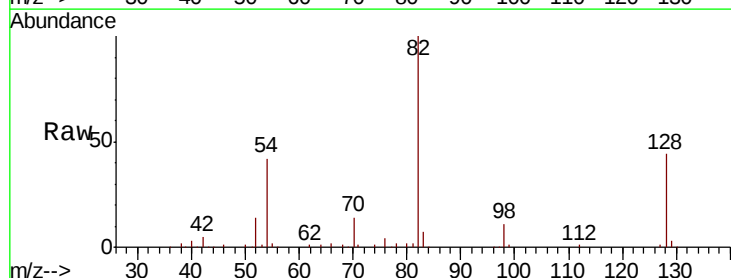
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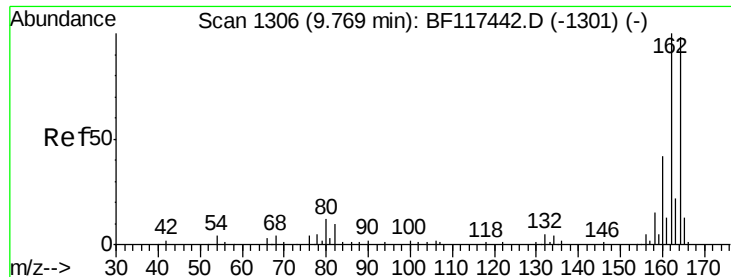
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#23
Nitrobenzene-d5
Concen: 62.256 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.3	32.2	48.2
54	41.8	34.2	51.2





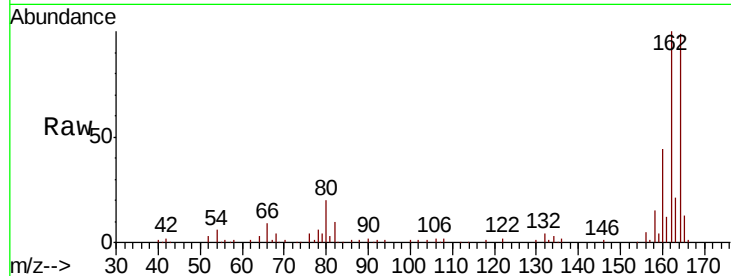
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

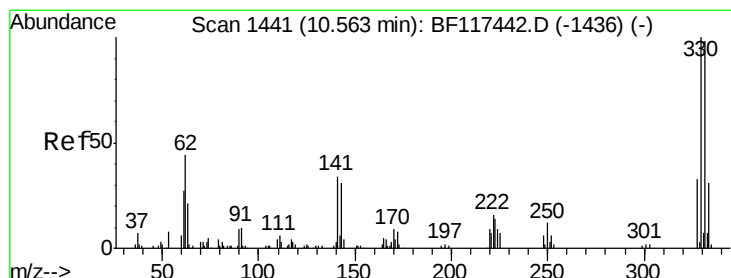
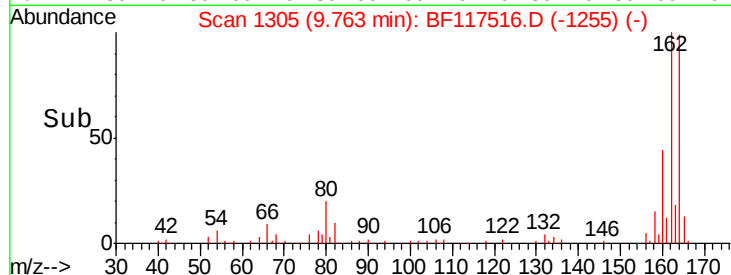
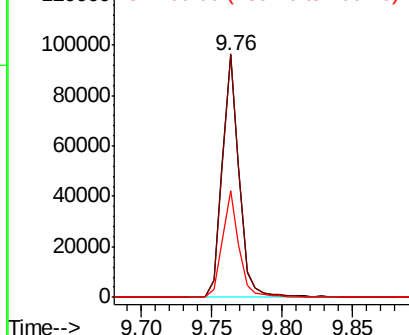
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.8	122.6
160	43.9	34.4	51.6

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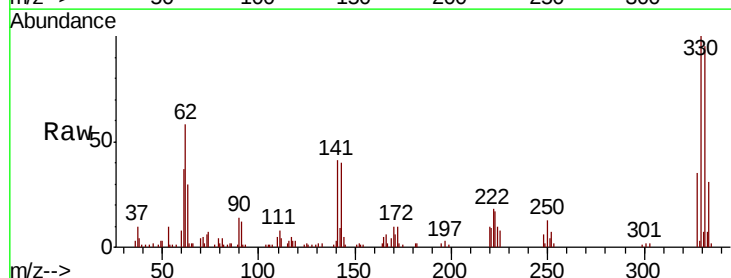


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

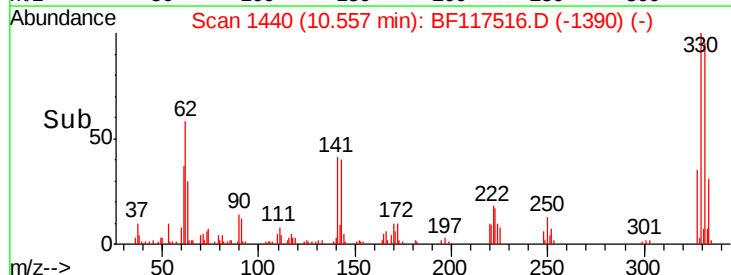
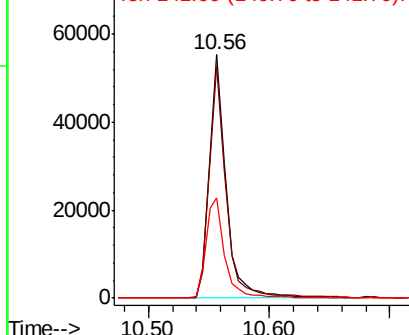


#42
2,4,6-Tribromophenol
Concen: 77.097 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.5	117.7
141	45.6	37.0	55.6



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





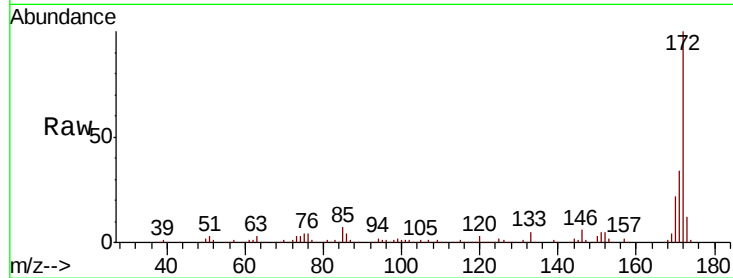
#45
2-Fluorobiphenyl
Concen: 55.024 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.1	27.5	41.3	
170	22.4	18.6	27.8	

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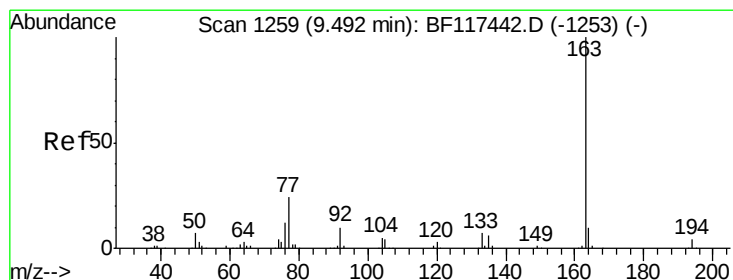
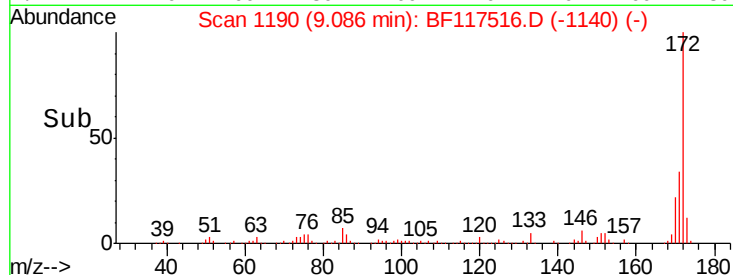
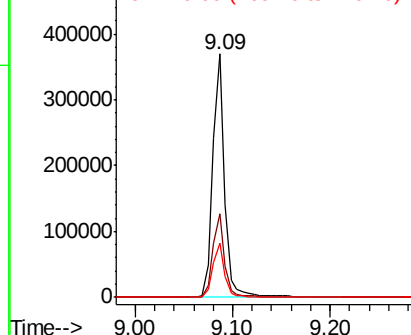


Abundance

Ion 172.00 (171.70 to 172.70): E

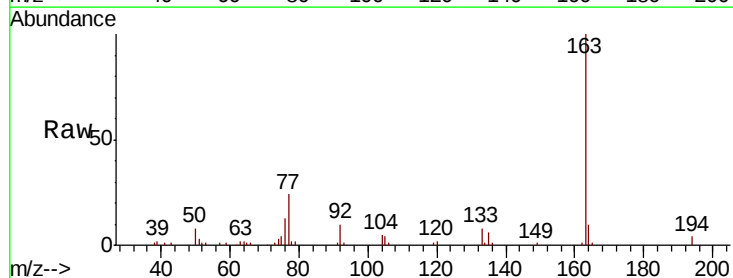
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.805 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.9	4.3	
164	9.8	8.2	12.2	

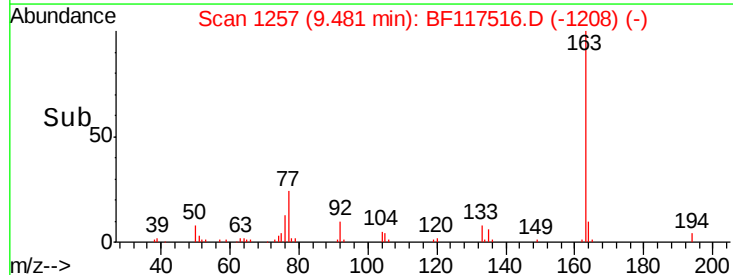
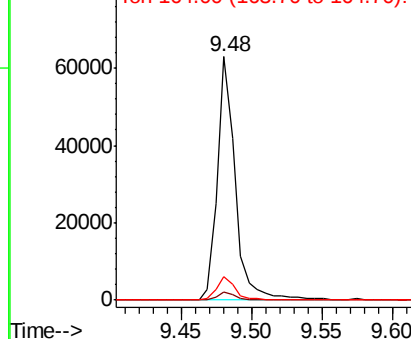


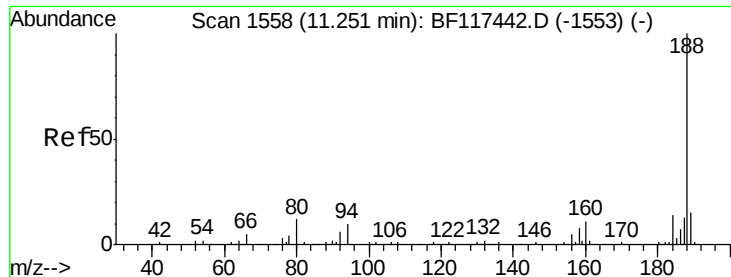
Abundance

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





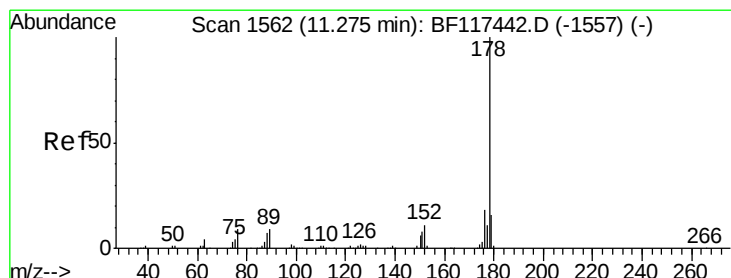
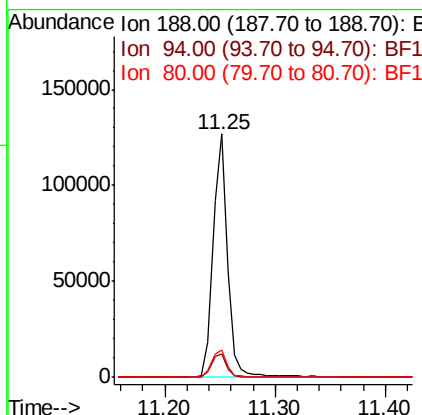
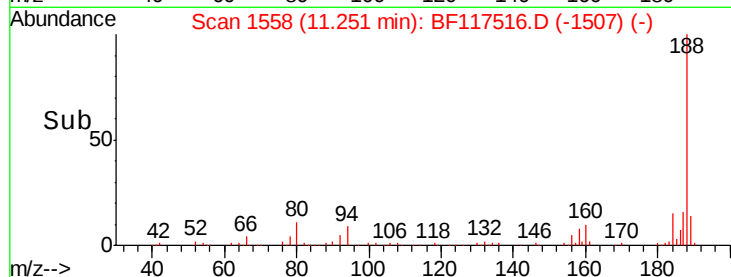
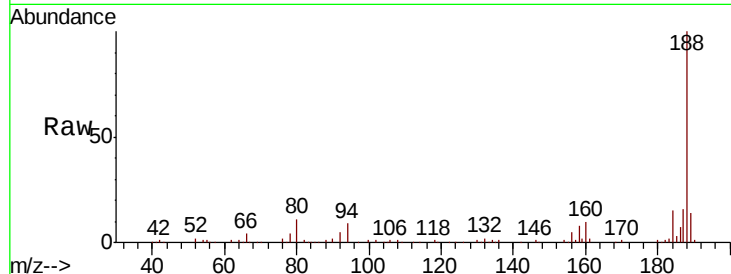
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	113711		
94	9.5	8.0	12.0	
80	11.3	9.5	14.3	

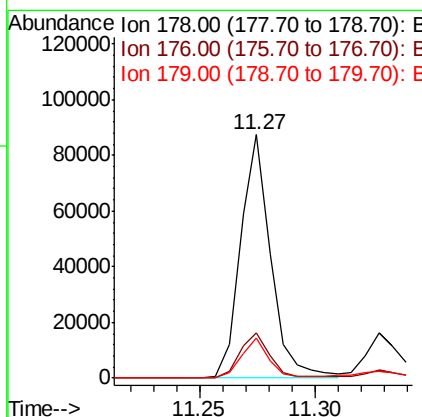
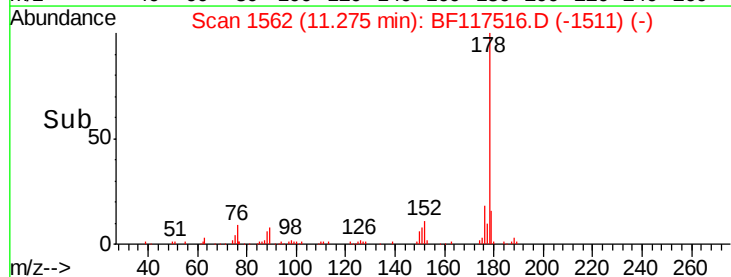
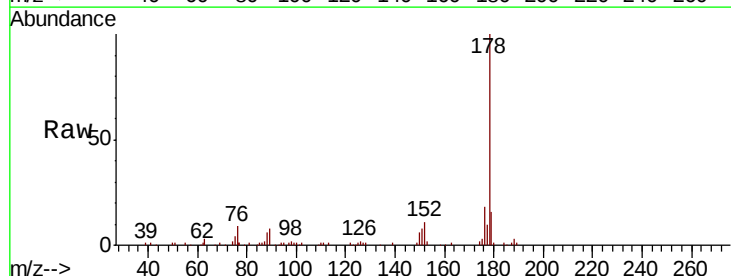
Manual Integrations
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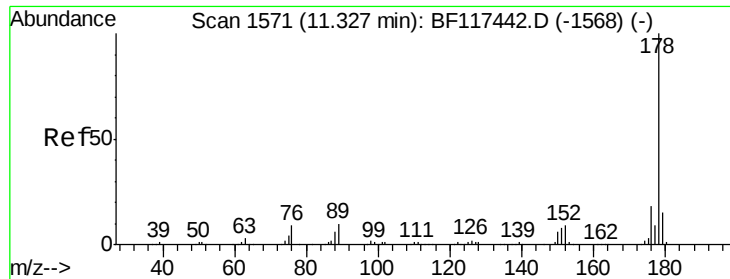
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#71
Phenanthrene
Concen: 12.102 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	79908		
176	18.4	14.6	22.0	
179	16.3	12.6	19.0	





#72

Anthracene

Concen: 2.579 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

ClientSampleId :

194-84-(0-1)

Tot Ion:178 Resp: 17473

Ion Ratio Lower Upper

178 100

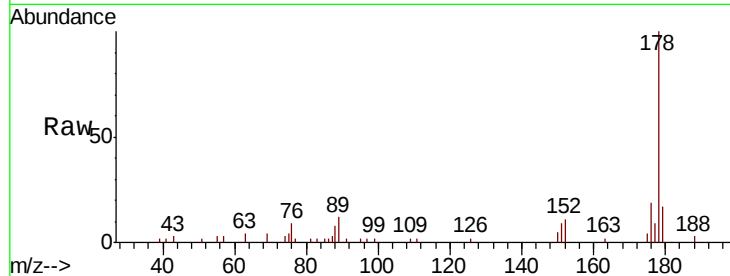
176 18.6 14.7 22.1

179 16.6 12.2 18.2

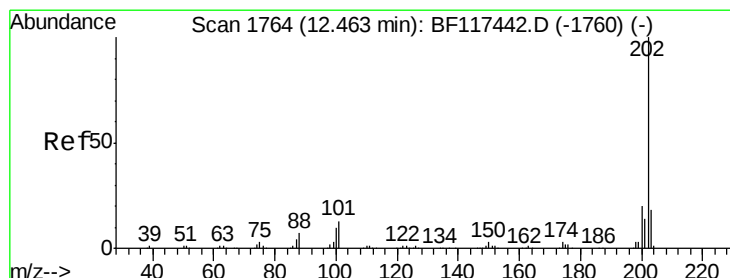
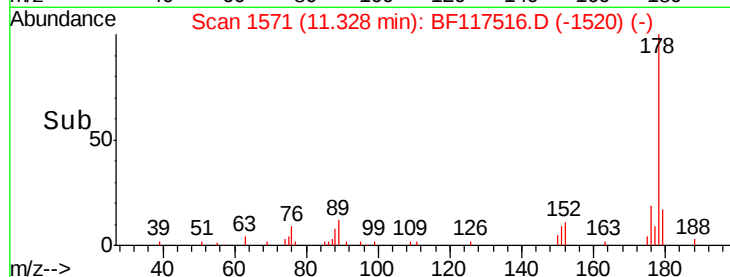
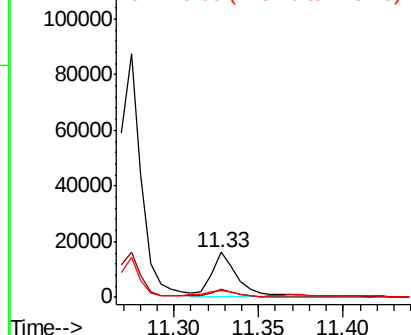
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.031 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

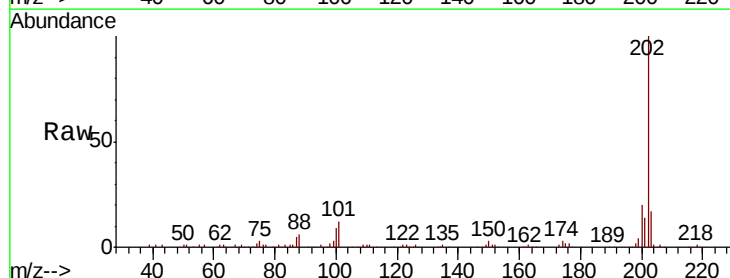
Tgt Ion:202 Resp: 119185

Ion Ratio Lower Upper

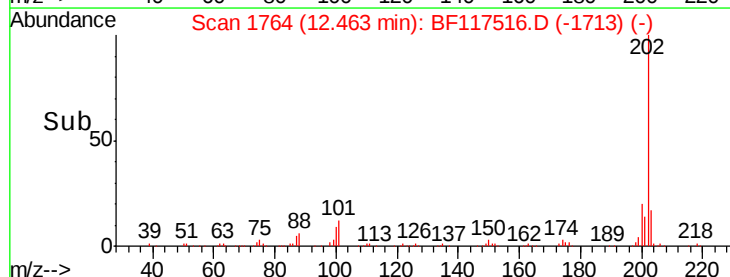
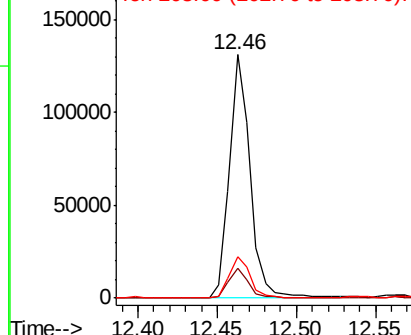
202 100

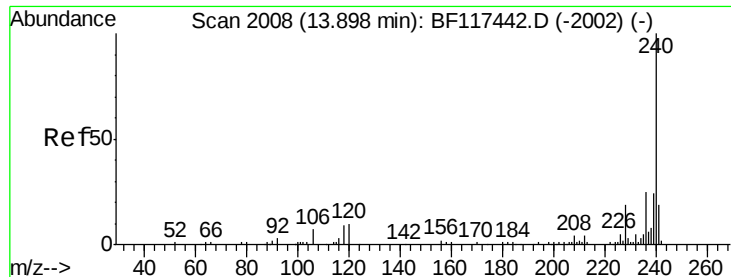
101 12.3 0.0 32.7

203 17.0 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: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

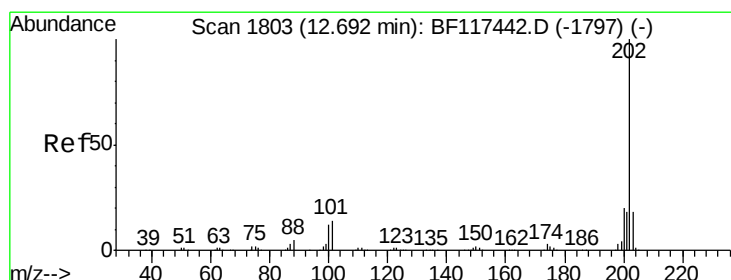
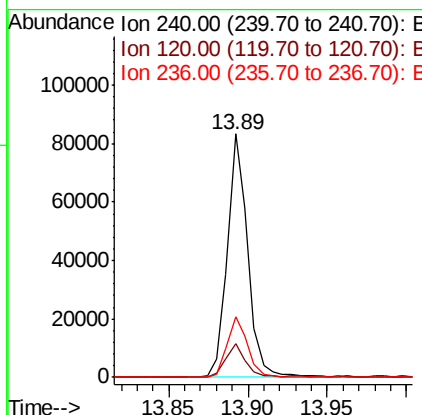
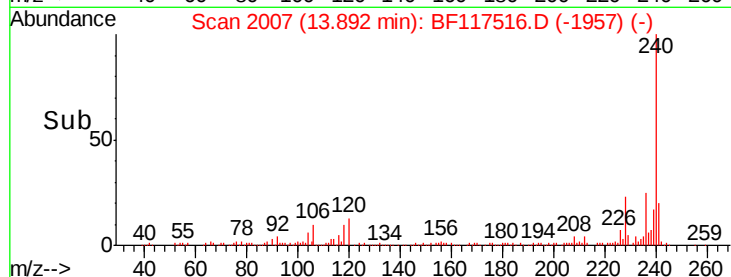
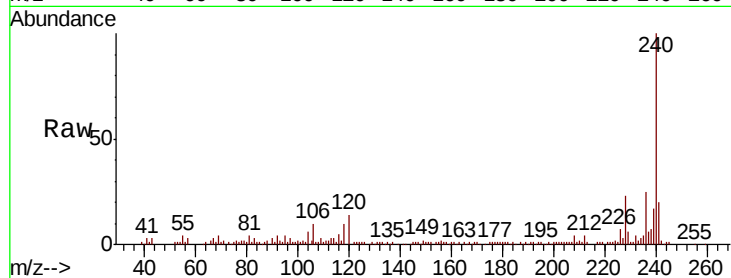
ClientSampleId :

194-84-(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	8.4	12.6#
236	25.1	20.0	30.0

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#78

Pyrene

Concen: 15.943 ng

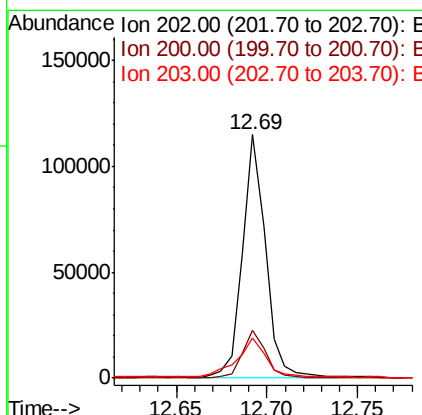
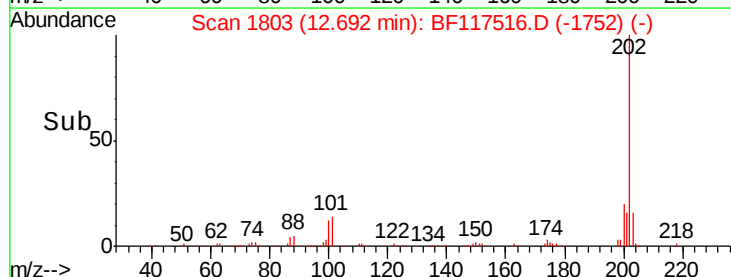
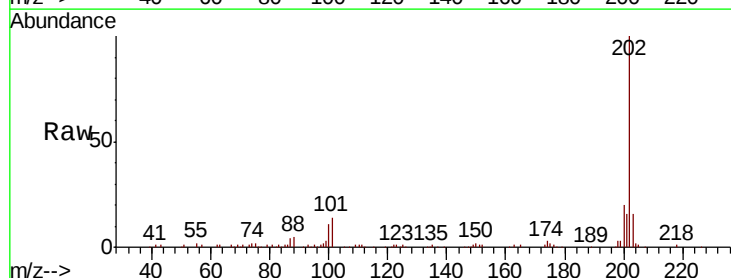
RT: 12.69 min Scan# 1803

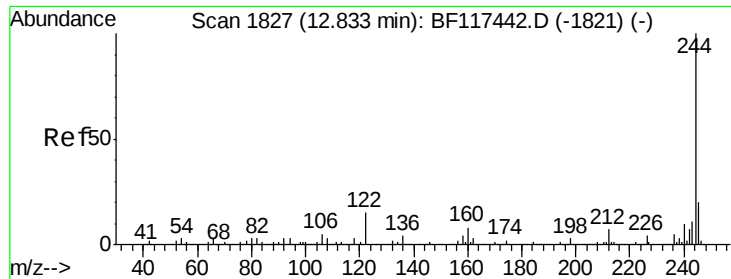
Delta R.T. 0.00 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.2	24.2
203	16.4	14.0	21.0





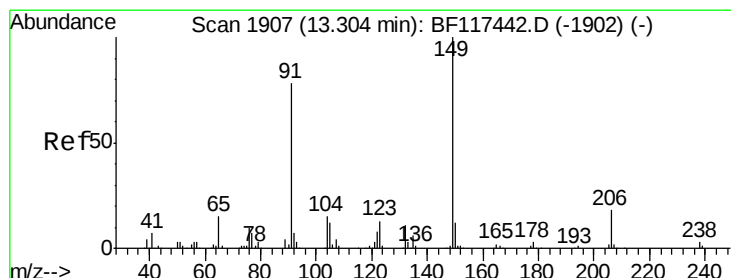
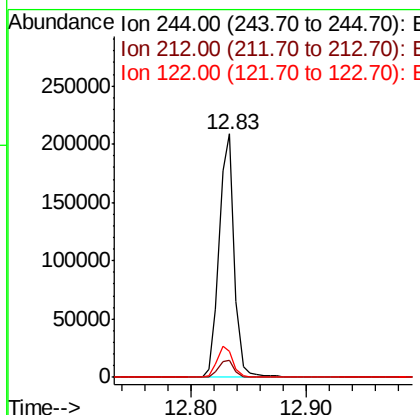
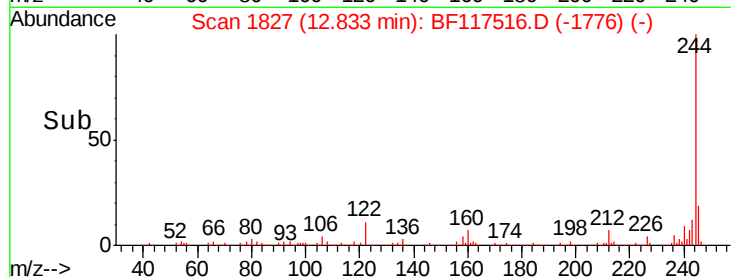
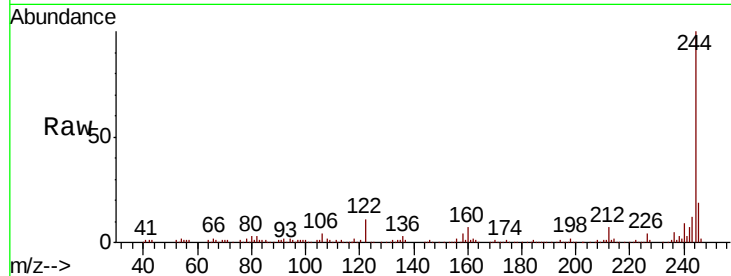
#79
 Terphenyl-d14
 Concen: 41.841 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Instrument :
 BNA_F
 ClientSampled :
 194-84-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
244	100	190086		
212	6.8		5.8	8.6
122	10.9		11.8	17.8#

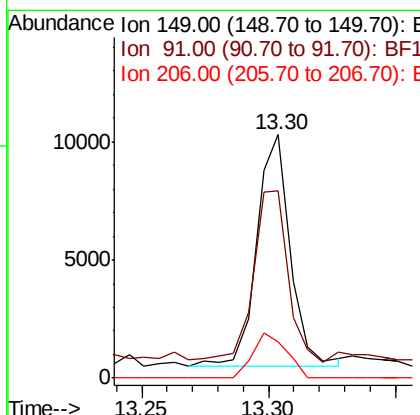
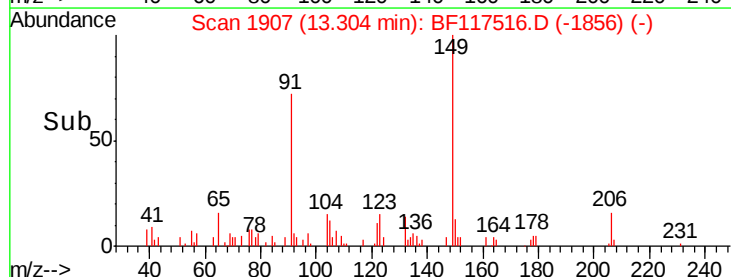
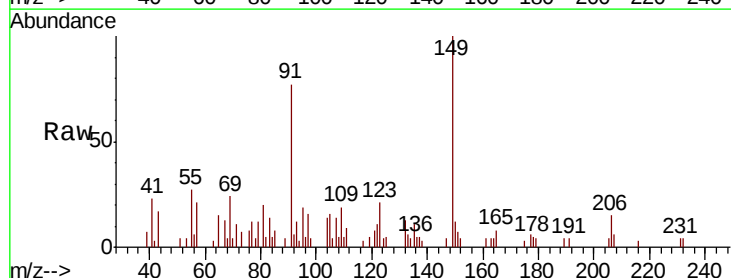
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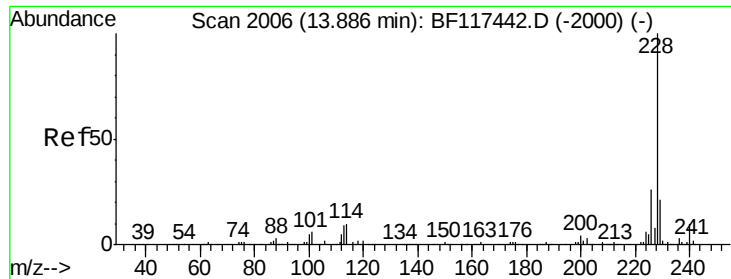
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#80
 Butylbenzylphthalate
 Concen: 2.828 ng
 RT: 13.30 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	8957		
91	76.8		62.1	93.1
206	15.1		14.3	21.5





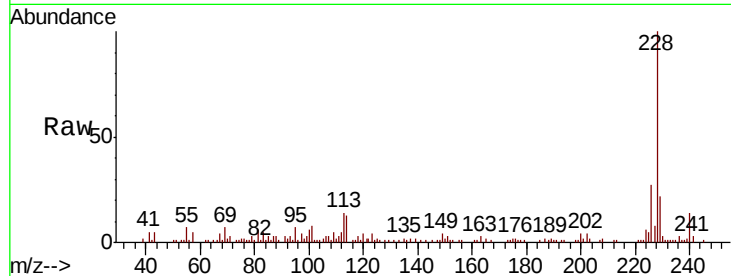
#81
Benzo(a)anthracene
Concen: 9.785 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.0	31.4
229	21.7	16.4	24.6

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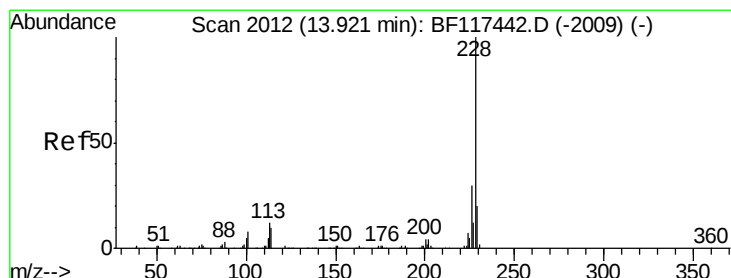
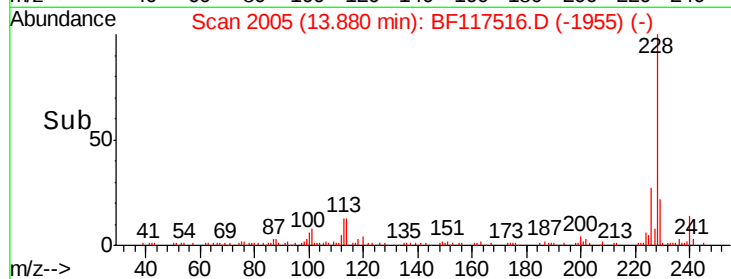
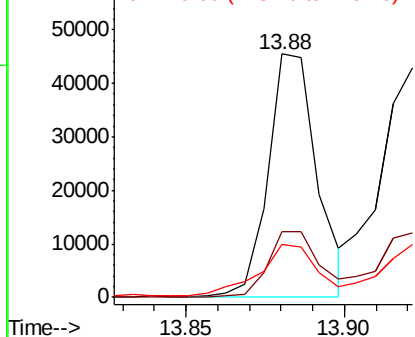


Abundance

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: 10.313 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

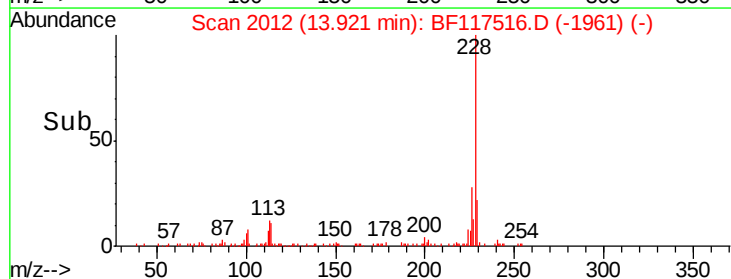
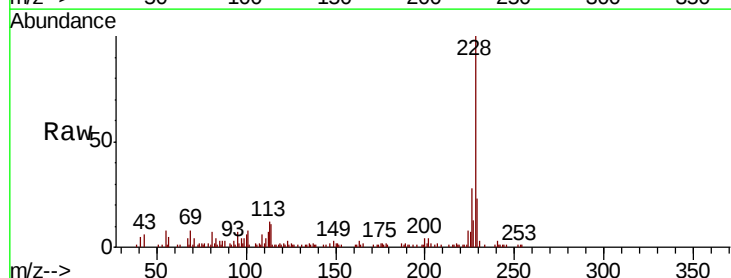
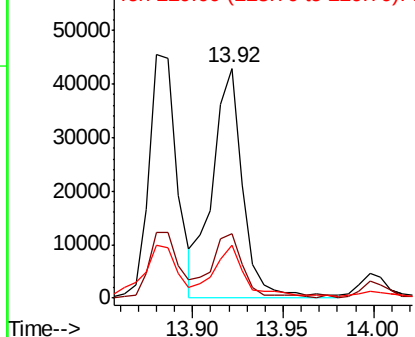
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.9	35.9
229	23.3	15.8	23.6

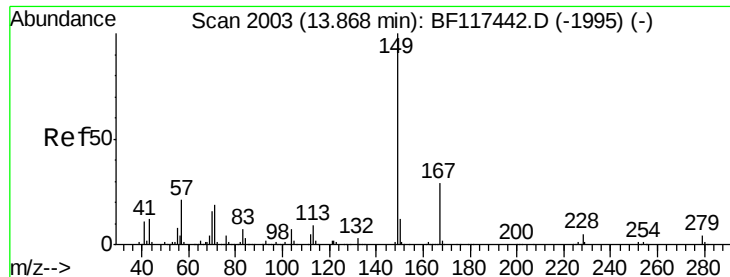
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 13.855 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

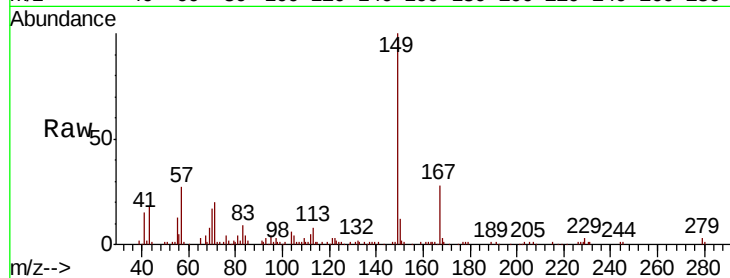
ClientSampleId :

194-84-(0-1)

Tot Ion:	149	Resp:	61474
Ion Ratio	Lower	Upper	
149	100		
167	27.7	23.3	34.9
279	2.7	3.2	4.8#

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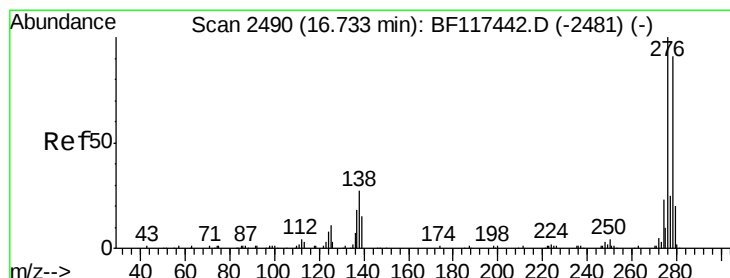
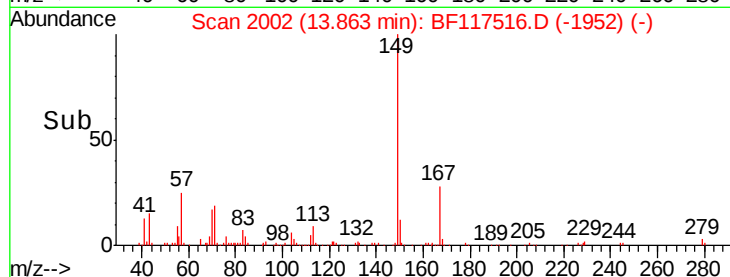
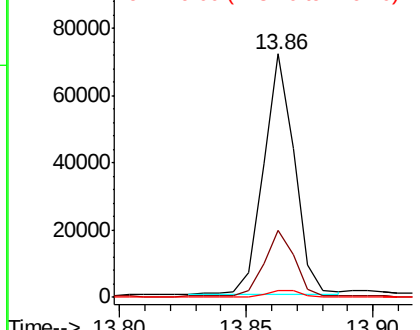


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.461 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

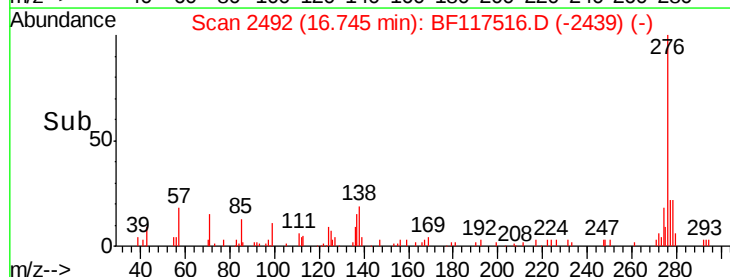
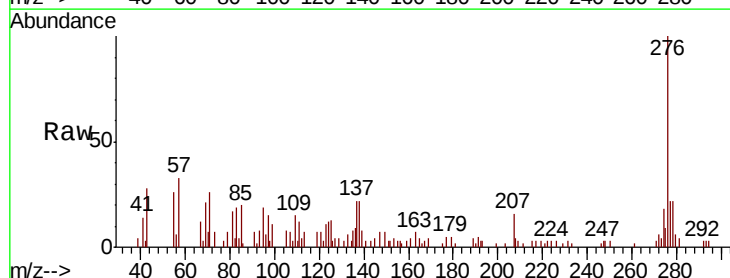
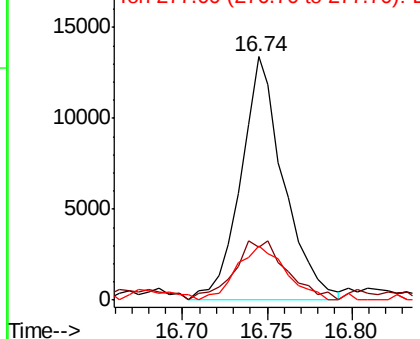
Tgt Ion:	276	Resp:	23630
Ion Ratio	Lower	Upper	
276	100		
138	30.1	21.8	32.8
277	25.6	20.0	30.0

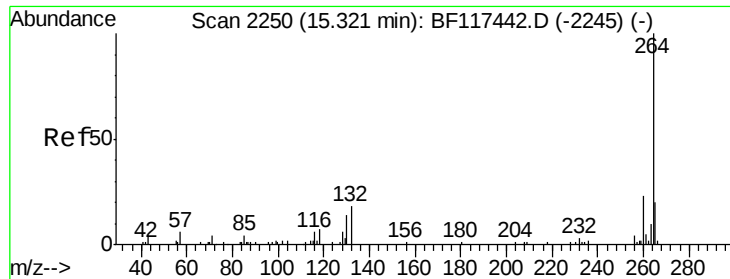
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Instrument :

BNA_F

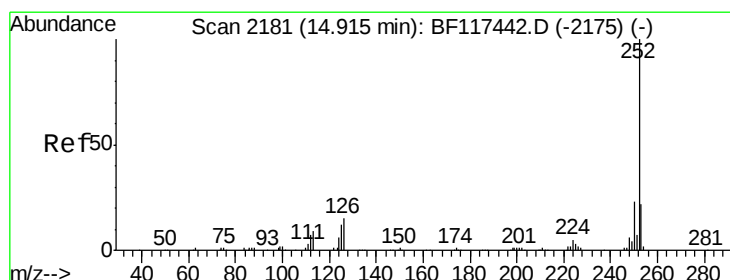
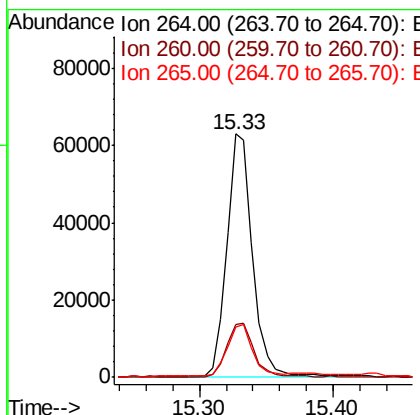
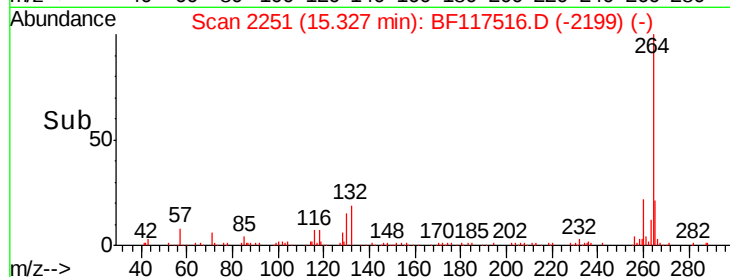
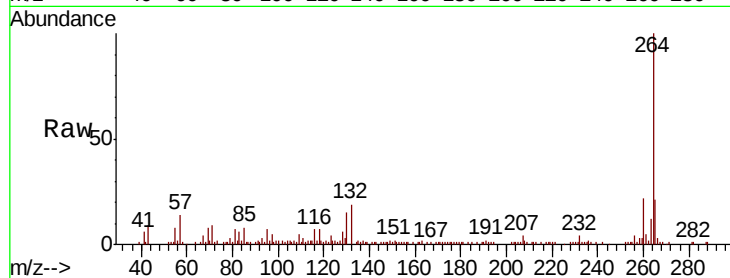
ClientSampleId :

194-84-(0-1)

Tot Ion:	264	Resp:	85409
Ion Ratio	Lower	Upper	
264	100		
260	21.8	18.4	27.6
265	20.8	16.1	24.1

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#88

Benzo(b)fluoranthene

Concen: 12.754 ng m

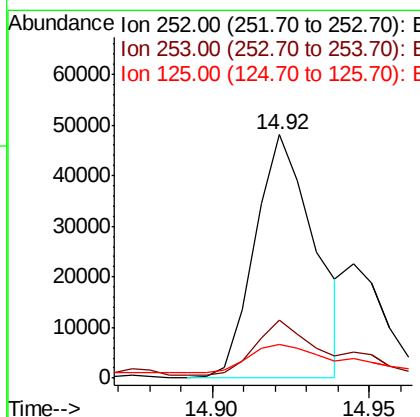
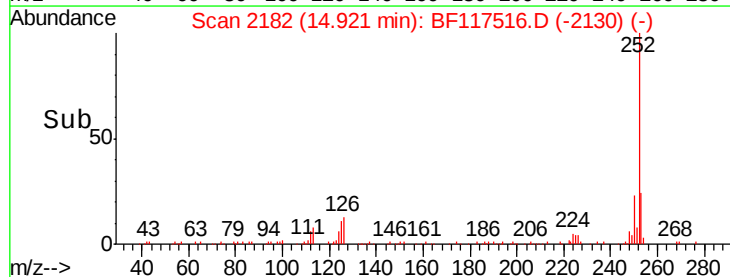
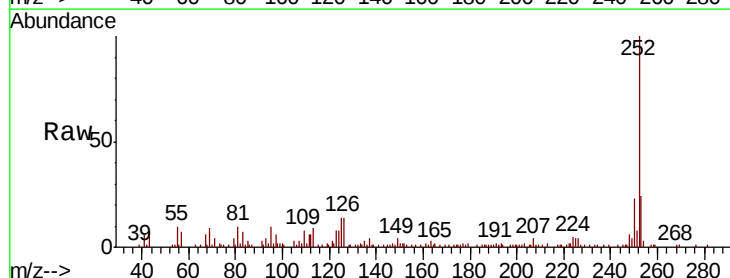
RT: 14.92 min Scan# 2182

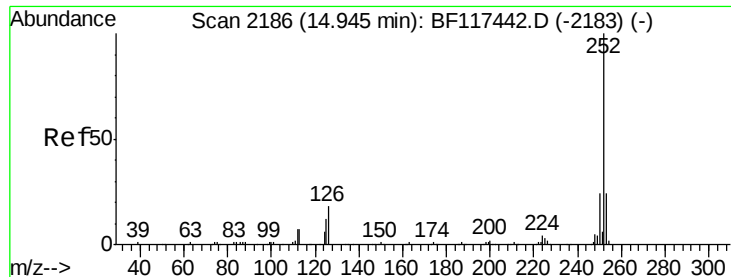
Delta R.T. 0.01 min

Lab File: BF117516.D

Acq: 24 Oct 2019 17:59

Tgt Ion:	252	Resp:	64327
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	14.0	9.9	14.9





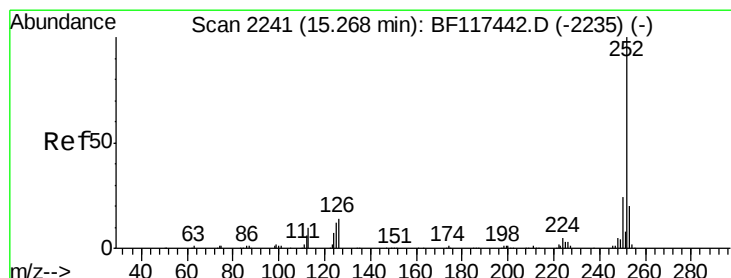
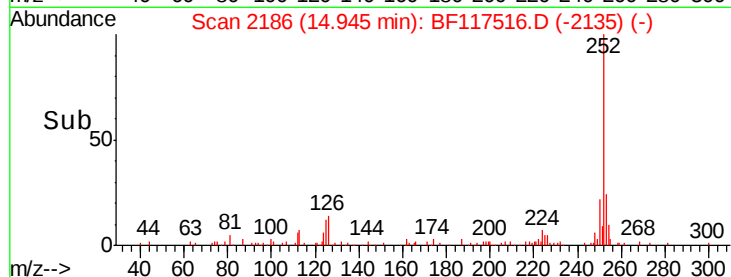
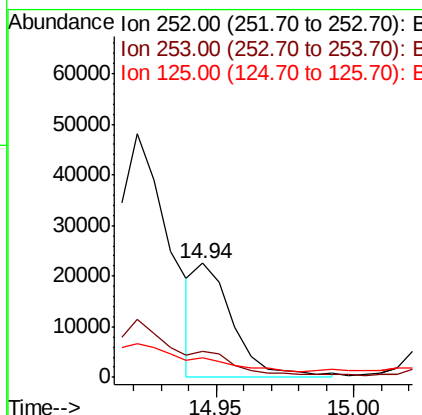
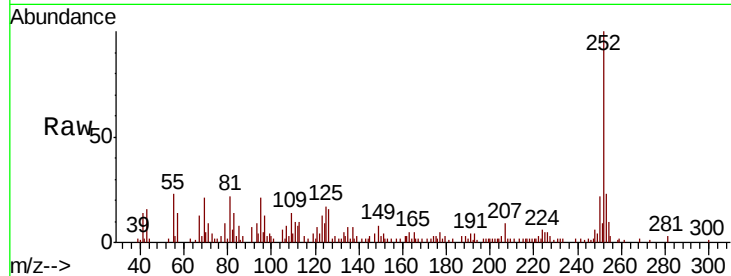
#89
Benzo(k)fluoranthene
Concen: 4.138 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Instrument :
BNA_F
ClientSampleId :
194-84-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	17.3	8.9	13.3

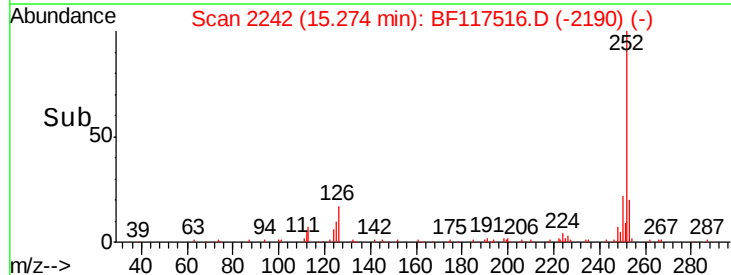
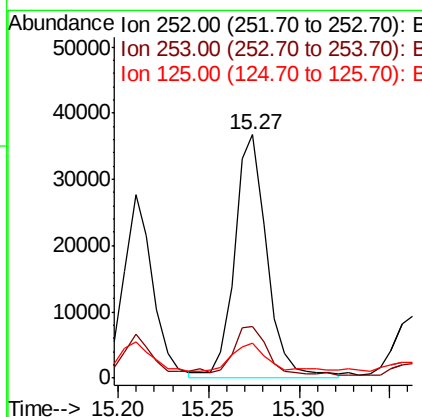
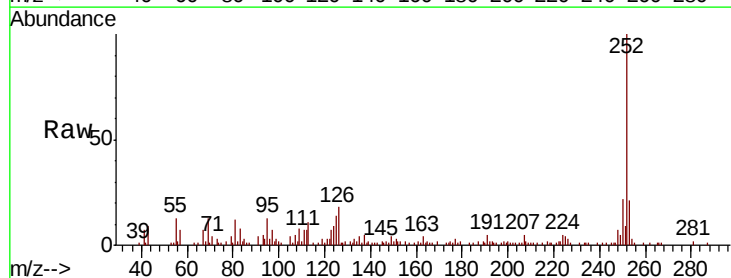
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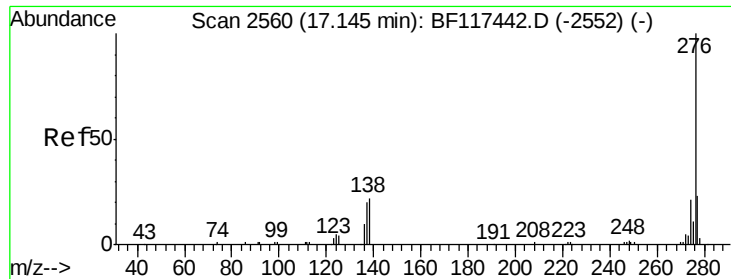
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#90
Benzo(a)pyrene
Concen: 10.002 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117516.D
Acq: 24 Oct 2019 17:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.3	24.5
125	14.3	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 5.817 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.02 min
 Lab File: BF117516.D
 Acq: 24 Oct 2019 17:59

Instrument :
 BNA_F
 ClientSampleId :
 194-84-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.4	27.6
138	24.2	17.8	26.6

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