

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117587.D
 Acq On : 29 Oct 2019 13:37
 Operator : JU
 Sample : K5503-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 172-80-(0-2)

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:52:53 PM

Quant Time: Oct 30 03:17:44 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	46060	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	175947	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	75137	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	103412	20.00	ng	0.00
76) Chrysene-d12	13.89	240	88465	20.00	ng	0.00
87) Perylene-d12	15.33	264	79899	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	202763	65.49	ng	0.00
7) Phenol-d6	6.39	99	274521	66.02	ng	0.00
23) Nitrobenzene-d5	7.29	82	159790	44.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	34027	52.34	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	220358	41.32	ng	-0.01
79) Terphenyl-d14	12.83	244	146691	27.05	ng	0.00
Target Compounds						
10) Phenol	6.40	94	10326	2.433	ng	87
50) Dimethylphthalate	9.48	163	34781	6.493	ng	99
71) Phenanthrene	11.27	178	80903	13.473	ng	96
72) Anthracene	11.33	178	20369	3.306	ng	98
75) Fluoranthene	12.46	202	117593	19.562	ng	99
78) Pyrene	12.69	202	119951	15.786	ng	99
81) Benzo(a)anthracene	13.89	228	59118	9.907	ng	97
83) Chrysene	13.92	228	58254	9.961	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	18726	4.289	ng	100
88) Benzo(b)fluoranthene	14.92	252	56257m	11.924	ng	
89) Benzo(k)fluoranthene	14.94	252	16393m	3.390	ng	
90) Benzo(a)pyrene	15.27	252	39291	9.159	ng	94
92) Benzo(a,h,i)perylene	17.18	276	16073	4.580	ng	# 92

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

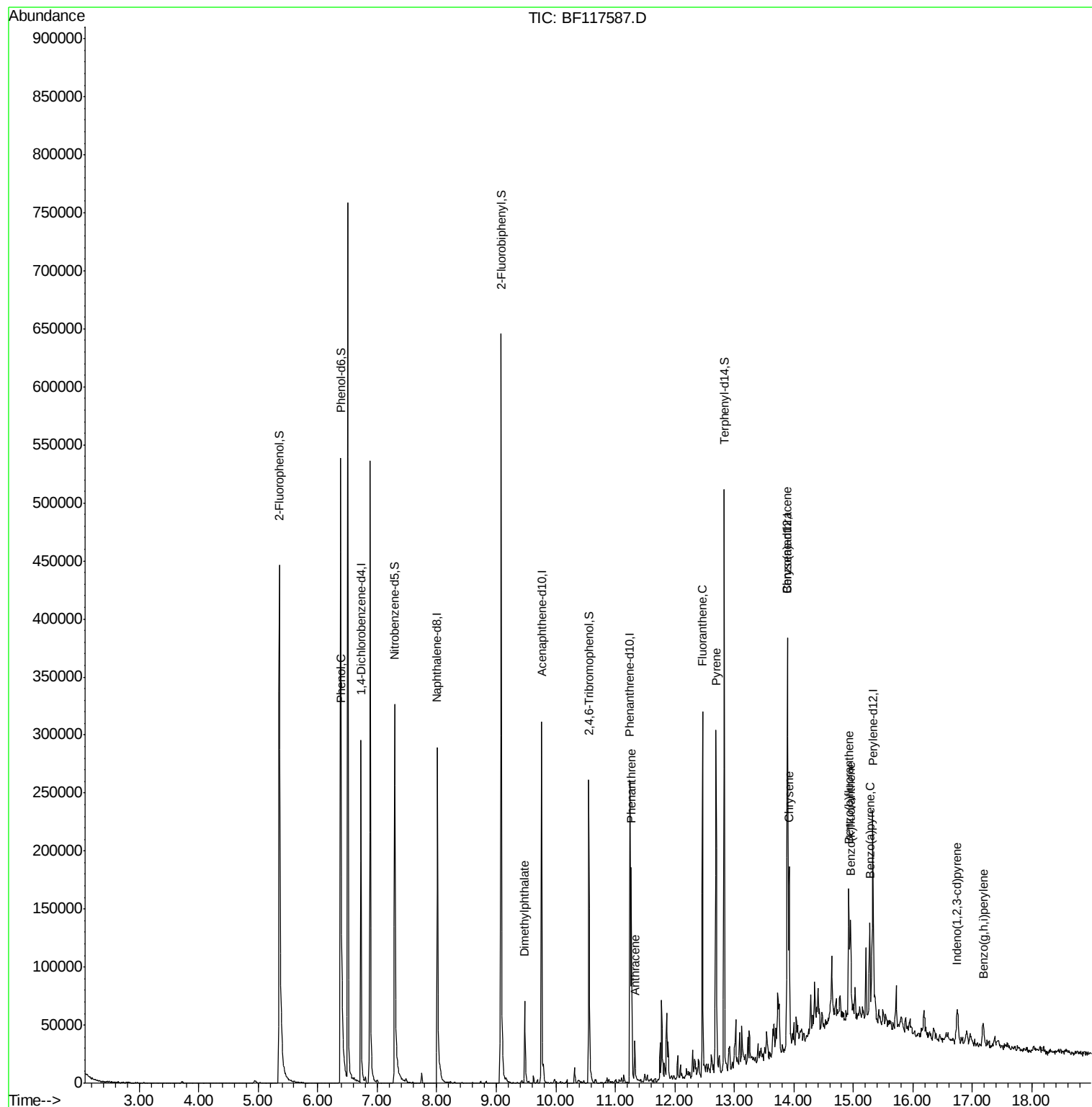
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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ALS Vial : 10 Sample Multiplier: 1

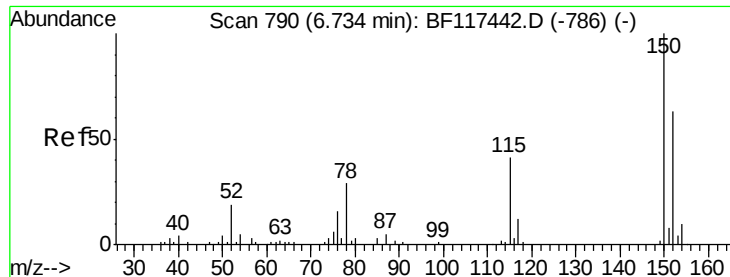
Instrument :
BNA_F
ClientSampleId :
172-80-(0-2)

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Quant Time: Oct 30 03:17:44 2019
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#1

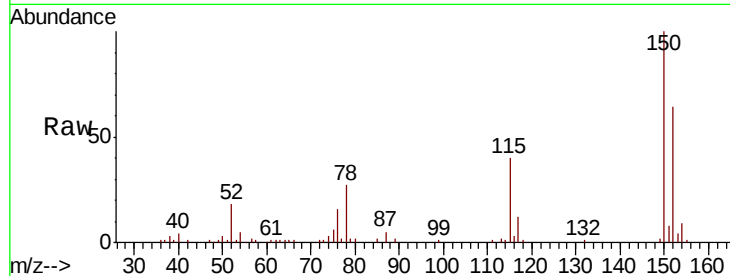
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampleId :
172-80-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.8	190.2
115	62.3	51.6	77.4

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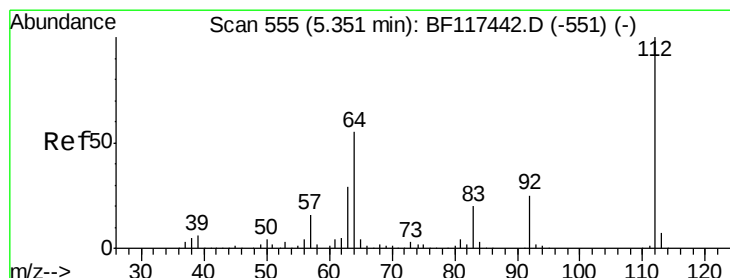
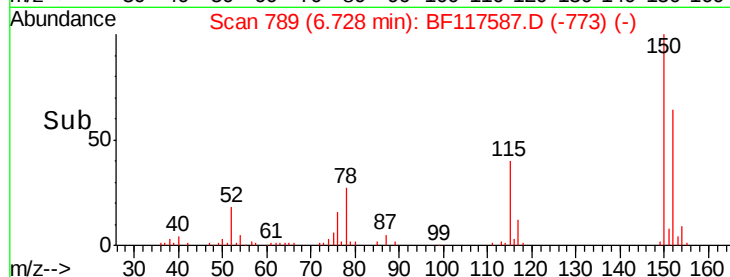
Abundance

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

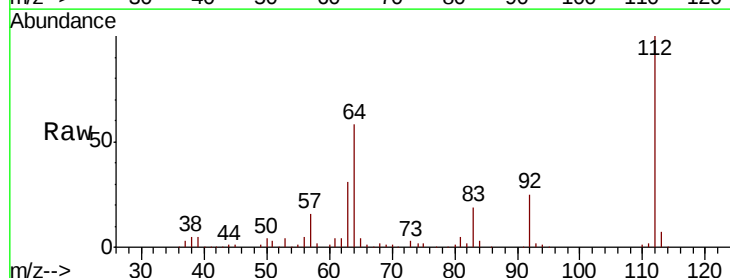
Time-->



#5

2-Fluorophenol
Concen: 65.491 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	31.3	23.4	35.2



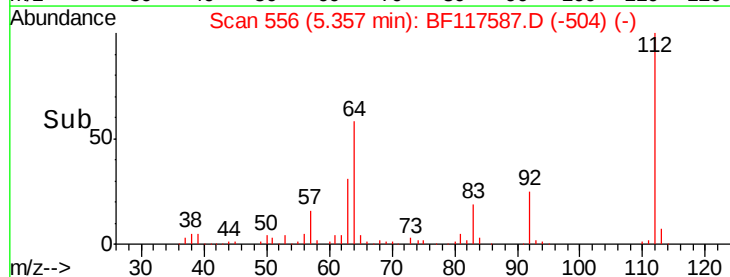
Abundance

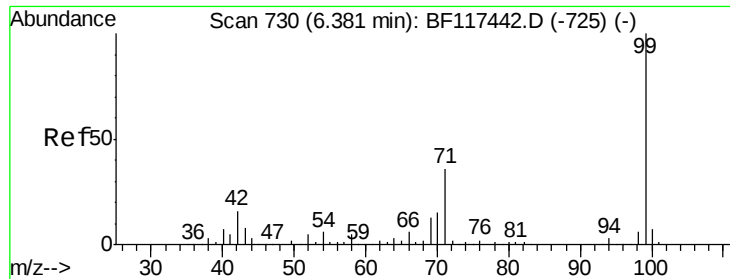
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 66.017 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

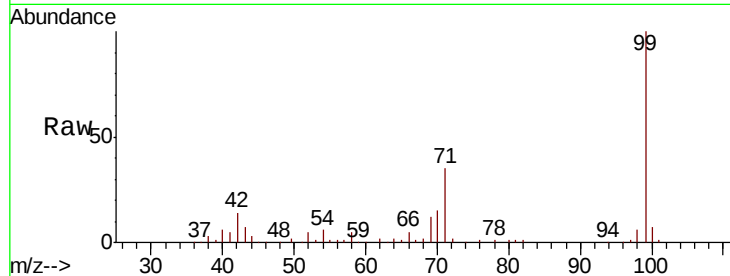
ClientSampleId :

172-80-(0-2)

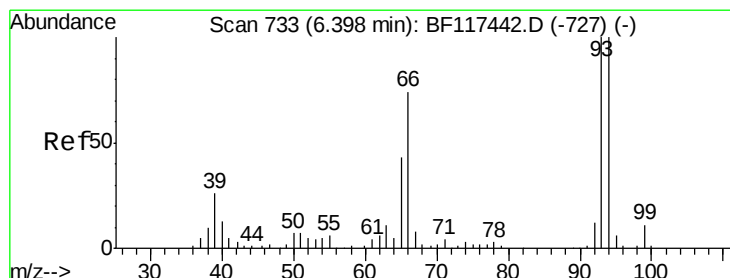
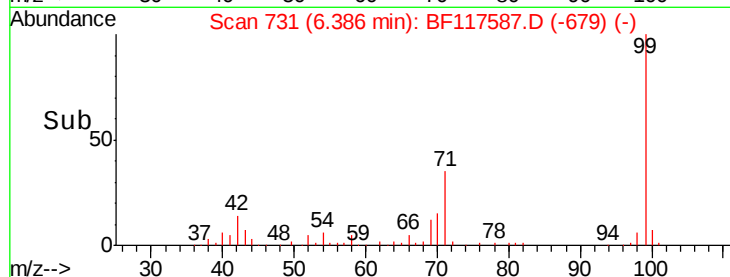
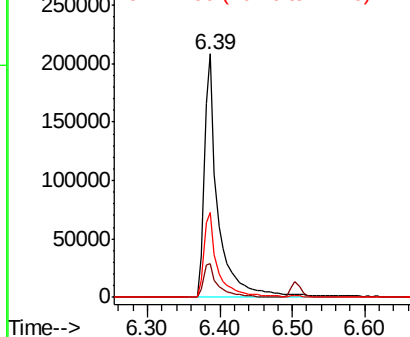
Tot Ion:	99	Resp:	274521
Ion Ratio	Lower	Upper	
99	100		
42	14.0	12.8	19.2
71	34.8	28.6	43.0

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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: 2.433 ng

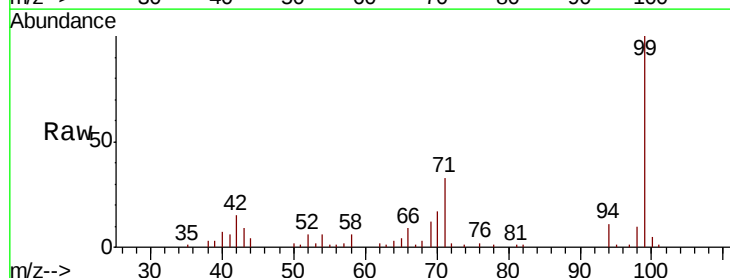
RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

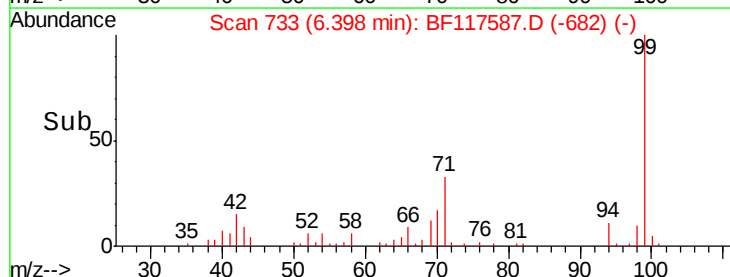
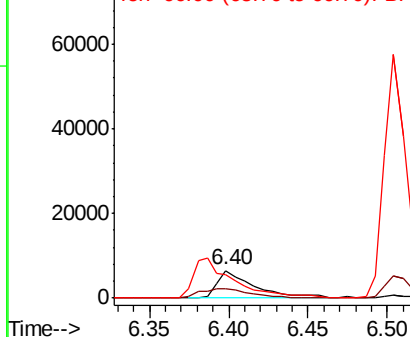
Lab File: BF117587.D

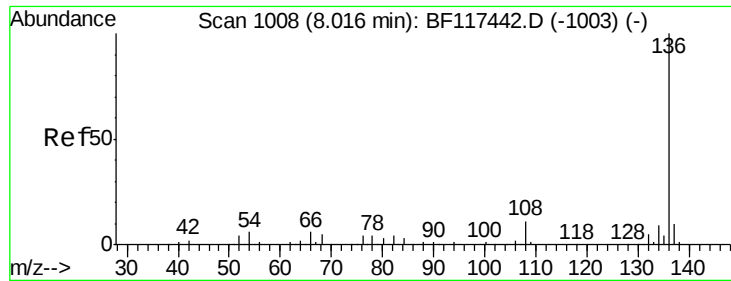
Acq: 29 Oct 2019 13:37

Tgt Ion:	94	Resp:	10326
Ion Ratio	Lower	Upper	
94	100		
65	35.0	23.4	63.4
66	85.2	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: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

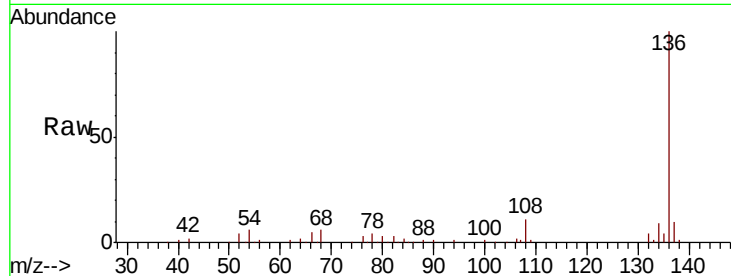
ClientSampleId :

172-80-(0-2)

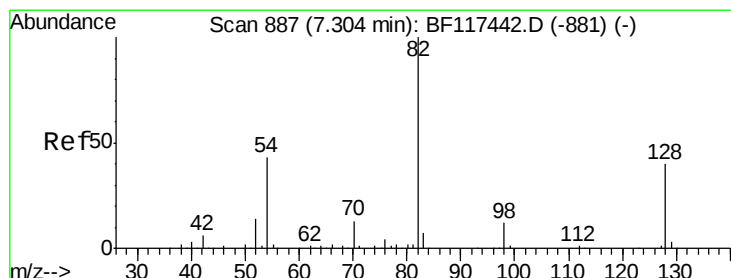
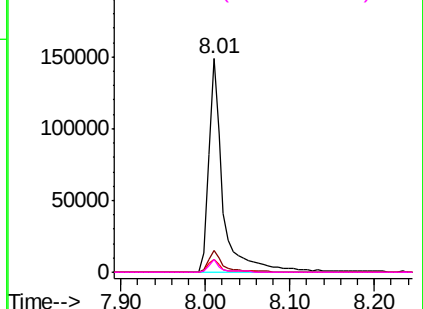
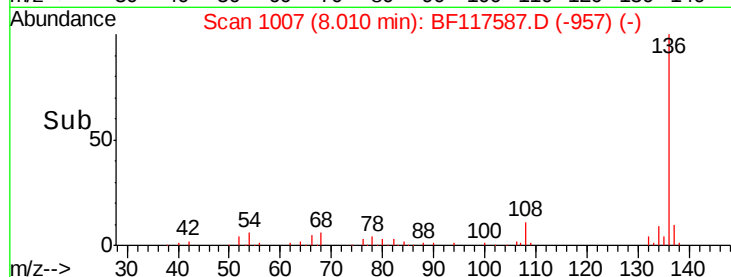
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		175947		
137	10.4	8.2	12.4		
54	6.0	4.5	6.7		
68	5.7	4.3	6.5		

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



#23

Nitrobenzene-d5

Concen: 44.834 ng

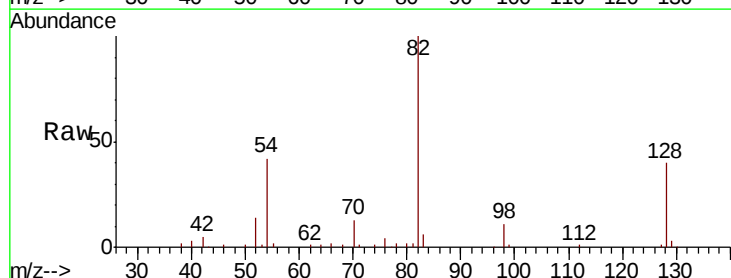
RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

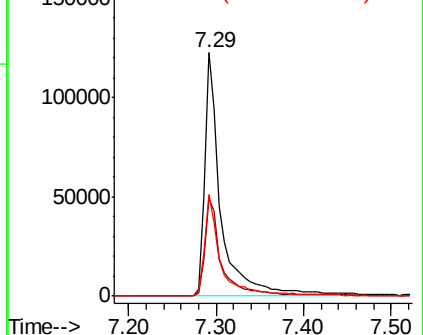
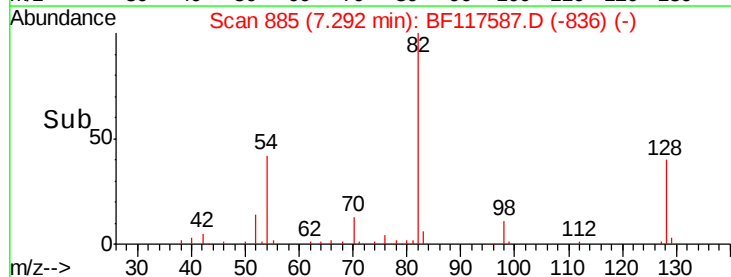
Lab File: BF117587.D

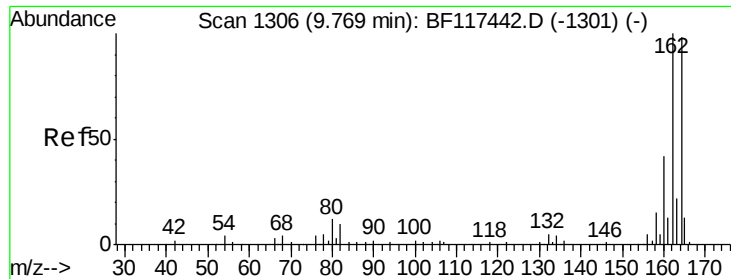
Acq: 29 Oct 2019 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		159790		
128	40.0	32.2	48.2		
54	41.6	34.2	51.2		



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

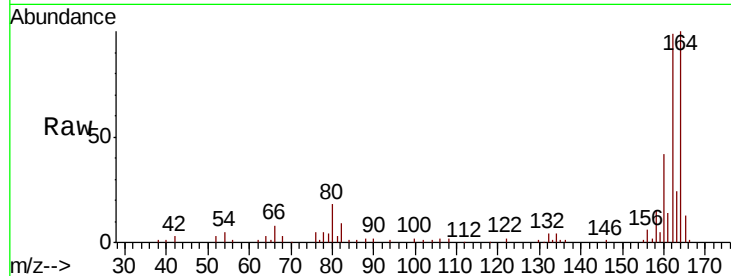
ClientSampleId :

172-80-(0-2)

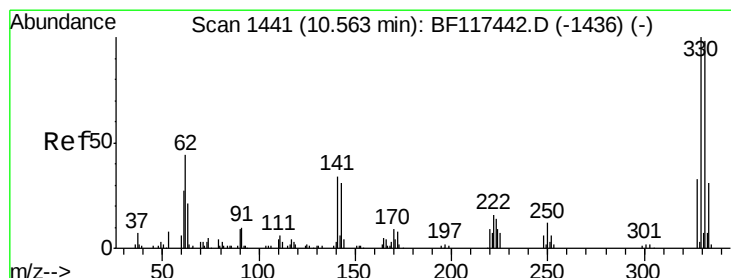
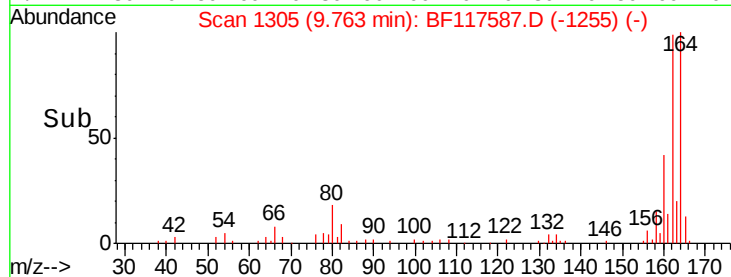
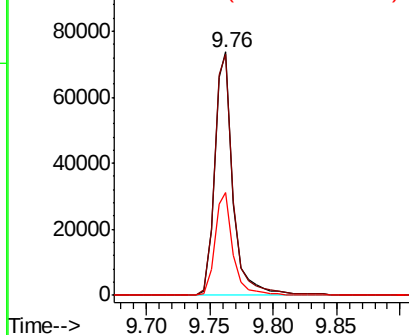
Tot Ion:	164	Resp:	75137
Ion Ratio	Lower	Upper	
164	100		
162	99.0	81.8	122.6
160	42.3	34.4	51.6

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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: 52.339 ng

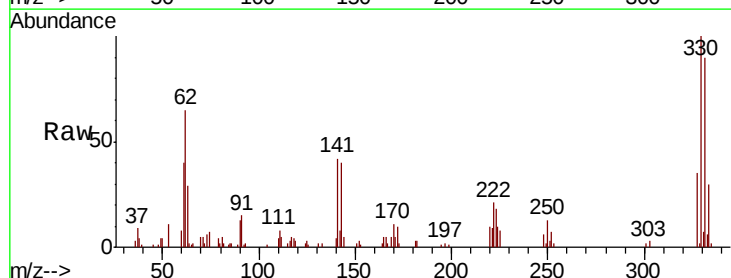
RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

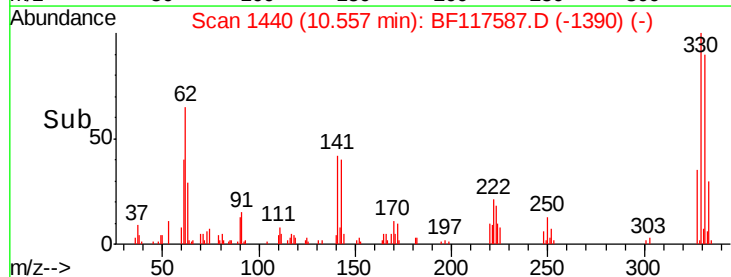
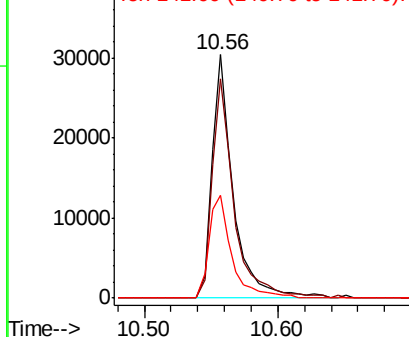
Lab File: BF117587.D

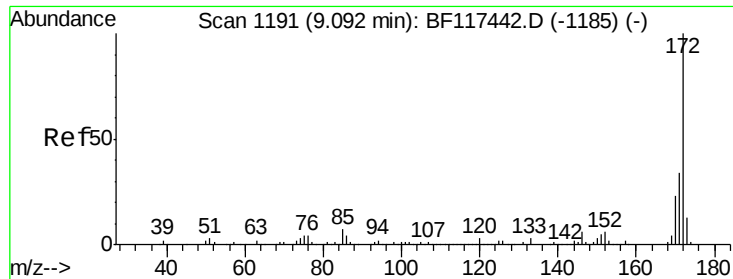
Acq: 29 Oct 2019 13:37

Tgt Ion:	330	Resp:	34027
Ion Ratio	Lower	Upper	
330	100		
332	92.8	78.5	117.7
141	44.8	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





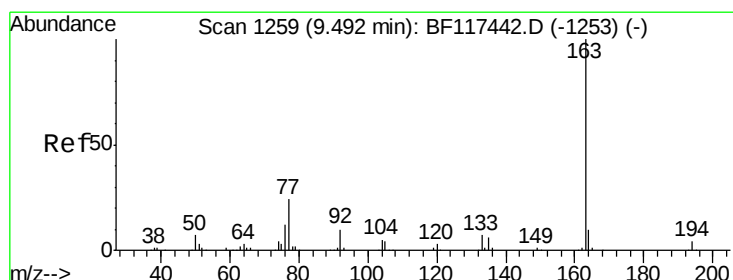
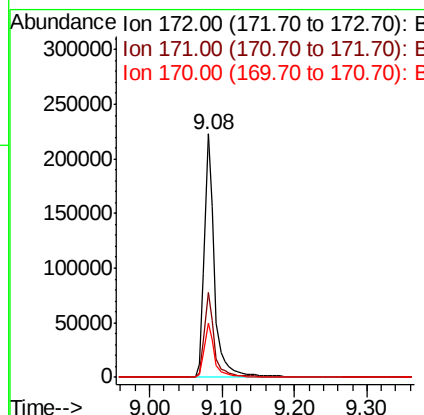
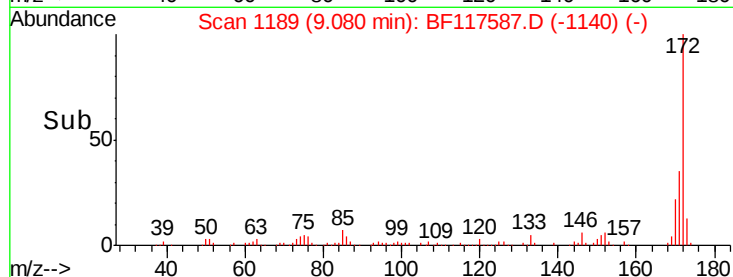
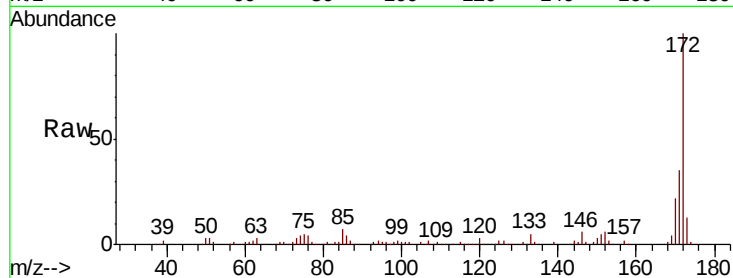
#45
2-Fluorobiphenyl
Concen: 41.322 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampleId :
172-80-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	27.5	41.3	
170	22.5	18.6	27.8	

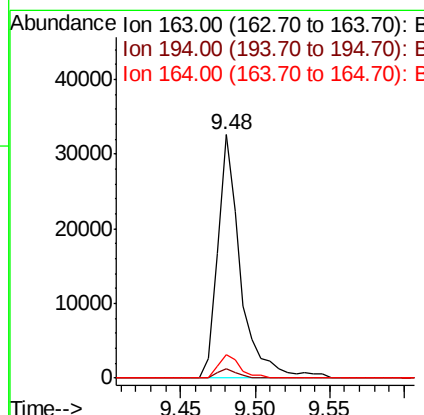
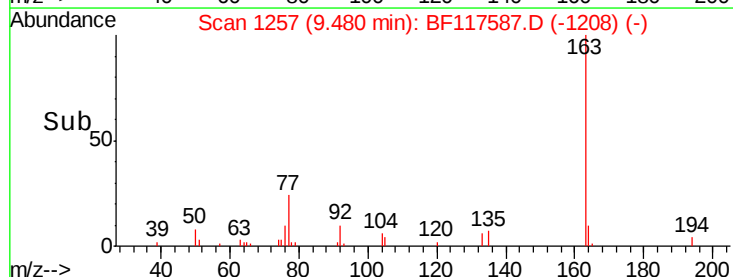
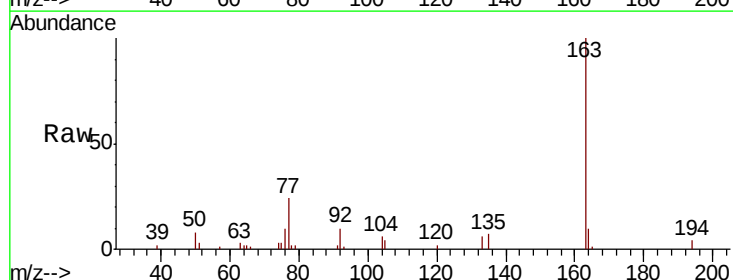
Manual Integrations
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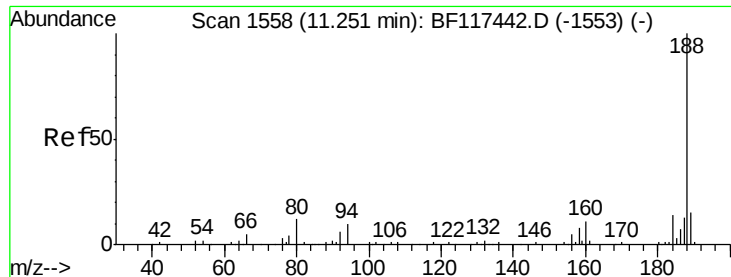
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#50
Dimethylphthalate
Concen: 6.493 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.9	4.3	
164	9.7	8.2	12.2	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

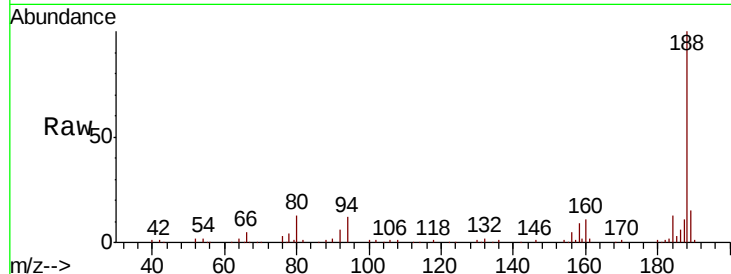
ClientSampleId :

172-80-(0-2)

Tot Ion:	188	Resp:	103412
Ion Ratio	Lower	Upper	
188	100		
94	12.2	8.0	12.0#
80	12.6	9.5	14.3

Manual Integrations
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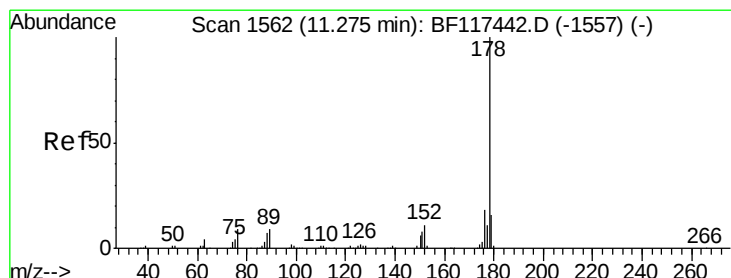
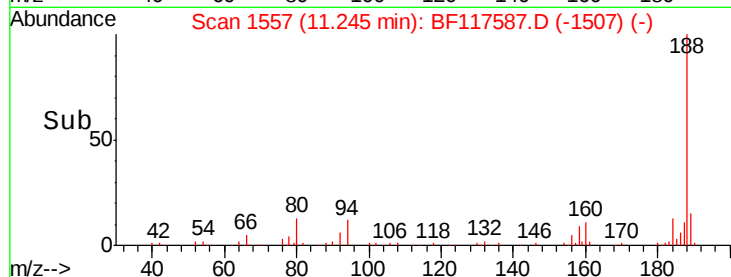
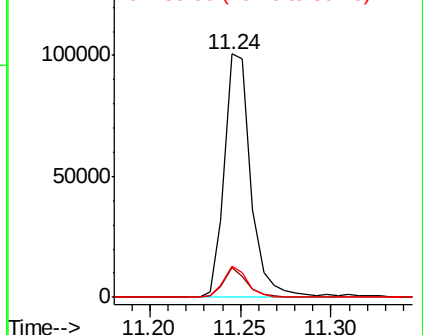
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10/30/2019 4:52:53 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 13.473 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117587.D

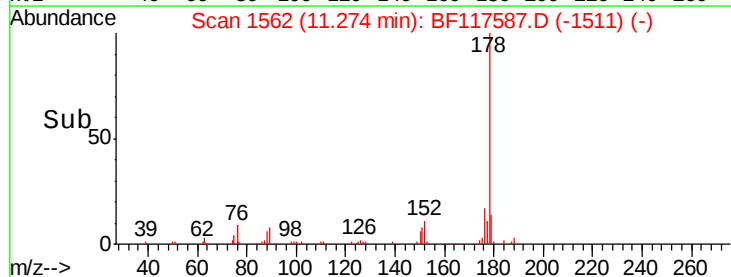
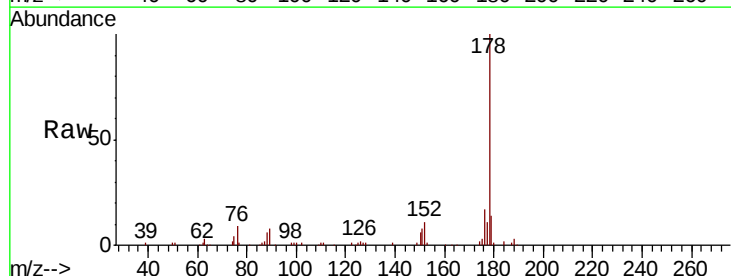
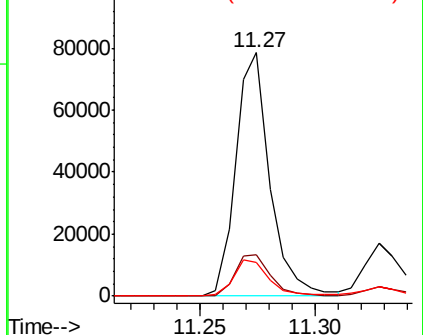
Acq: 29 Oct 2019 13:37

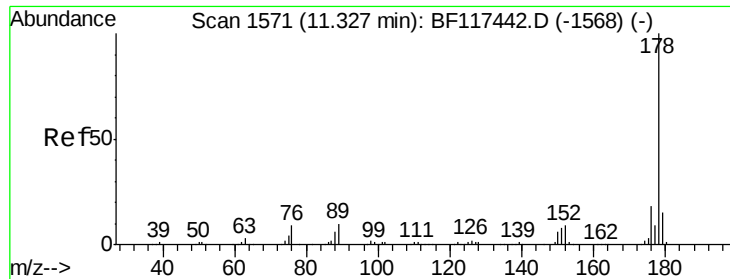
Tgt Ion:	178	Resp:	80903
Ion Ratio	Lower	Upper	
178	100		
176	17.0	14.6	22.0
179	14.0	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.306 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

ClientSampleId :

172-80-(0-2)

Tot Ion:178 Resp: 20369

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

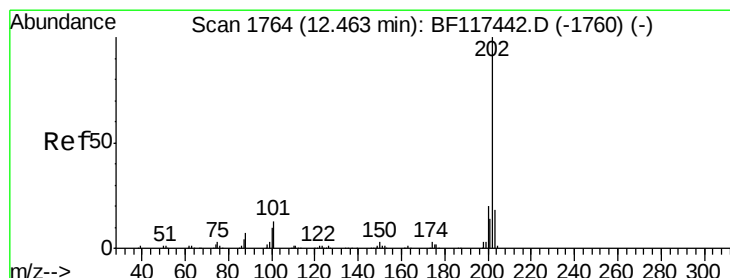
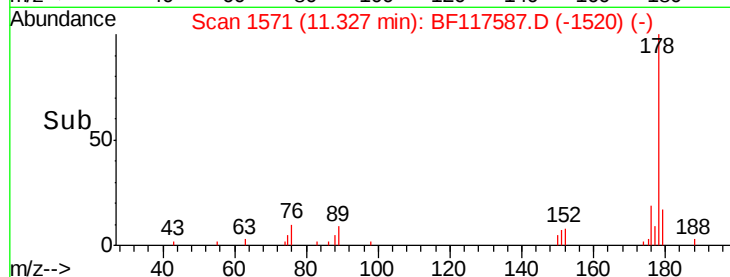
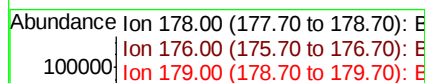
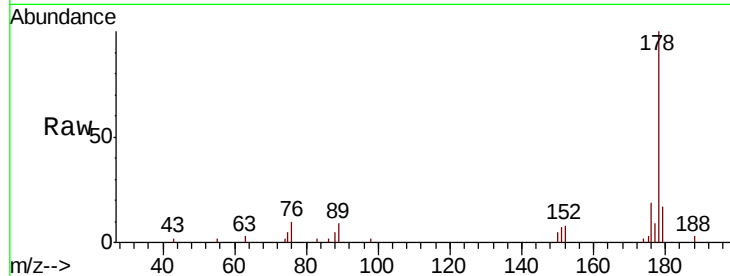
179 16.6 12.2 18.2

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#75

Fluoranthene

Concen: 19.562 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

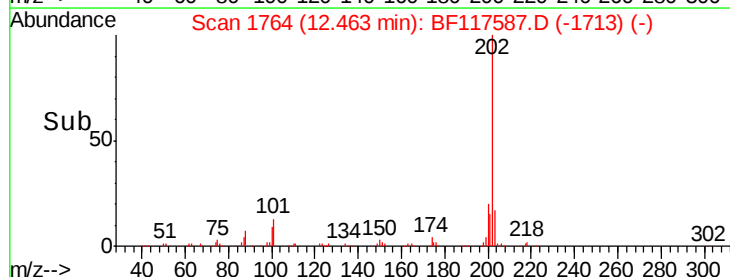
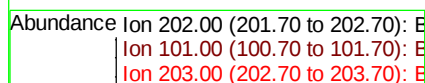
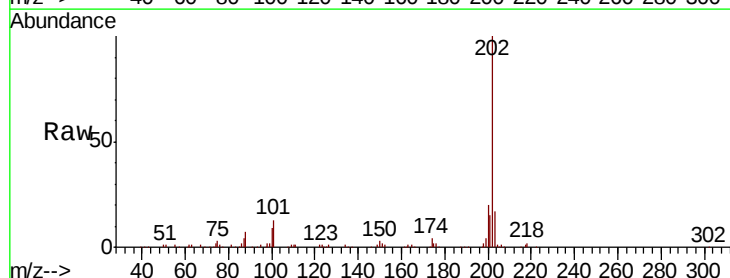
Tgt Ion:202 Resp: 117593

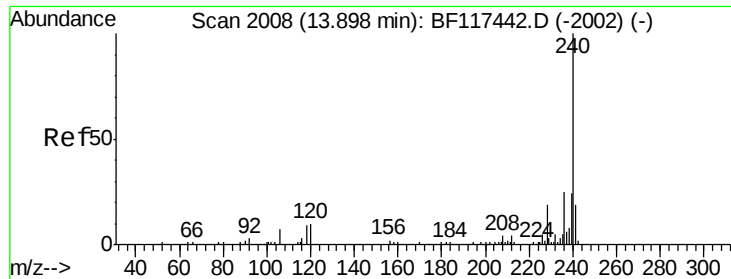
Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.7

203 17.2 0.0 37.6





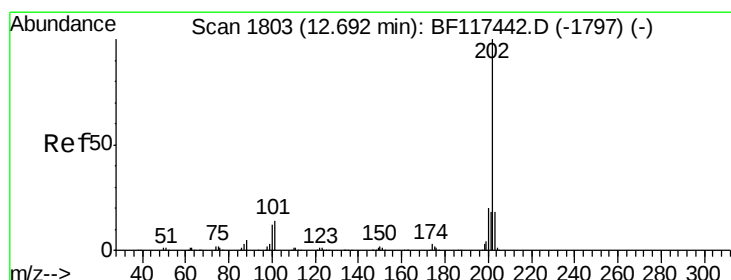
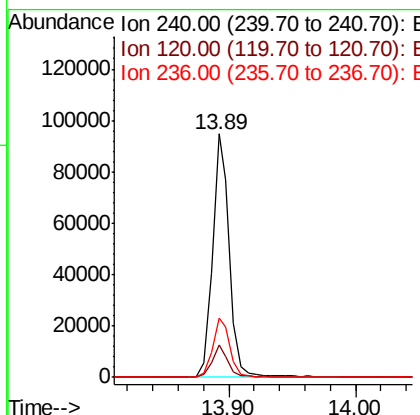
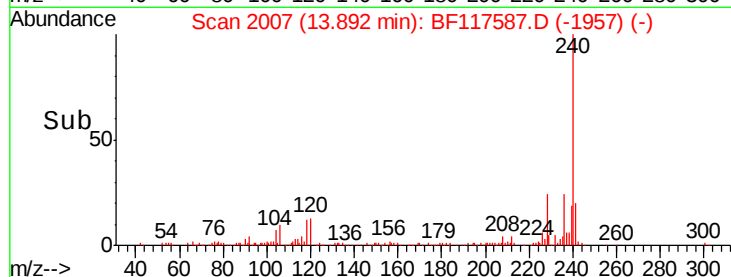
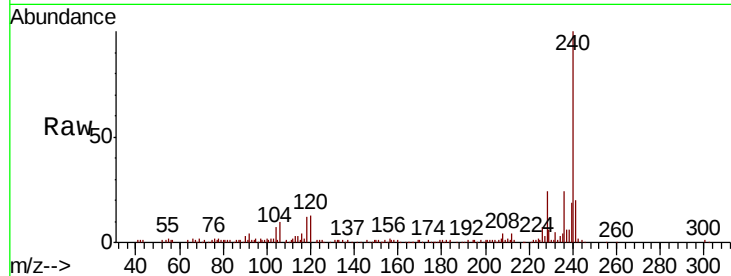
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampleId :
172-80-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.4	12.6#
236	24.3	20.0	30.0

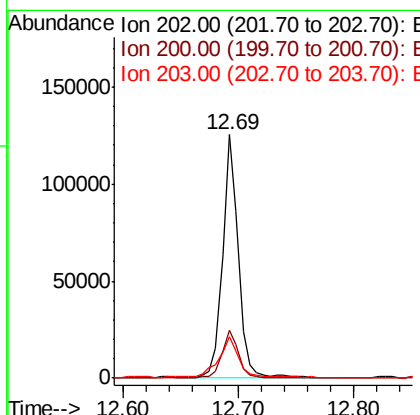
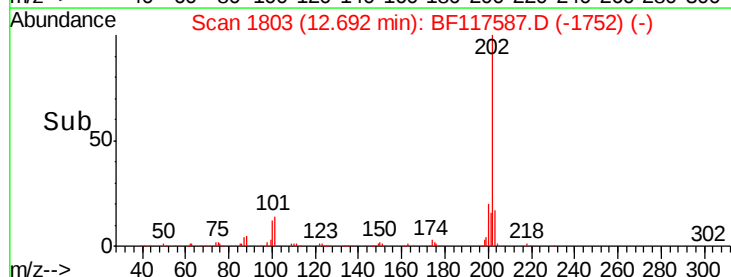
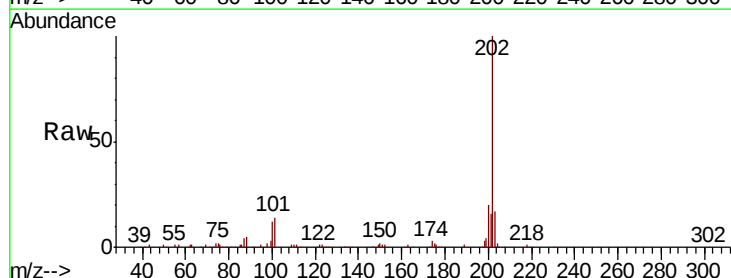
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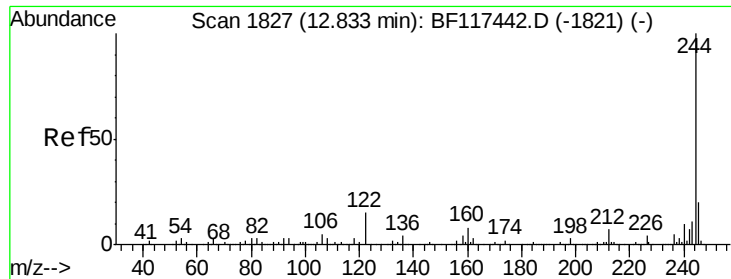
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#78
Pyrene
Concen: 15.786 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	16.9	14.0	21.0





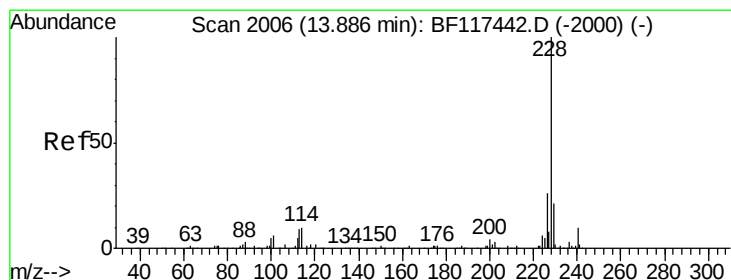
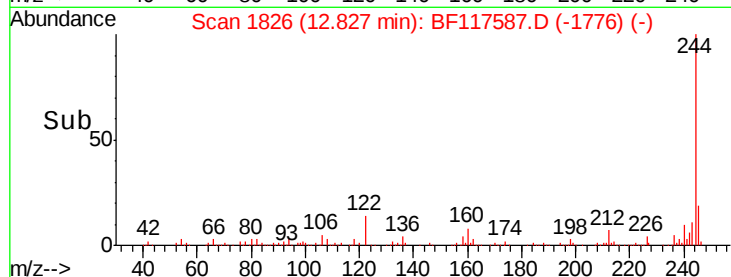
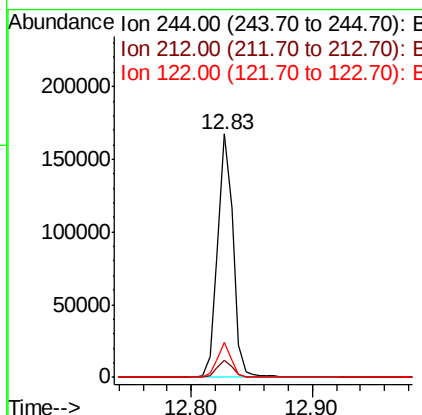
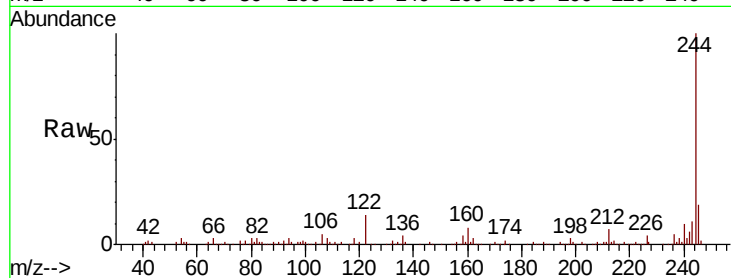
#79
 Terphenyl-d14
 Concen: 27.047 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Instrument :
 BNA_F
 ClientSampleId :
 172-80-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	14.1	11.8	17.8

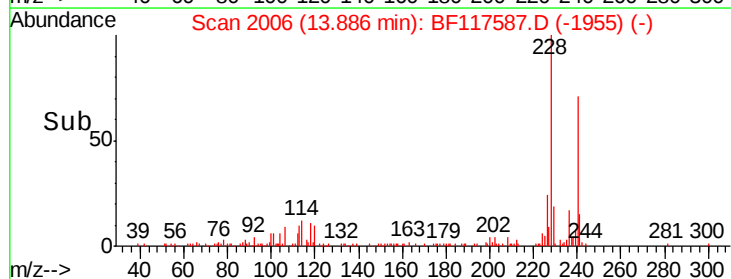
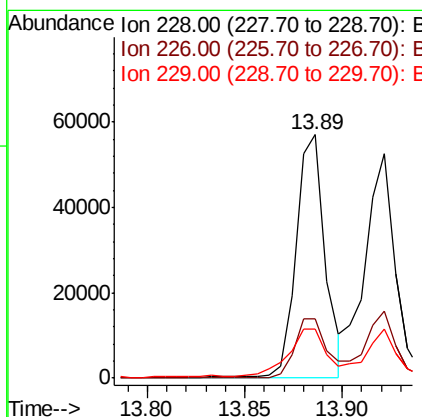
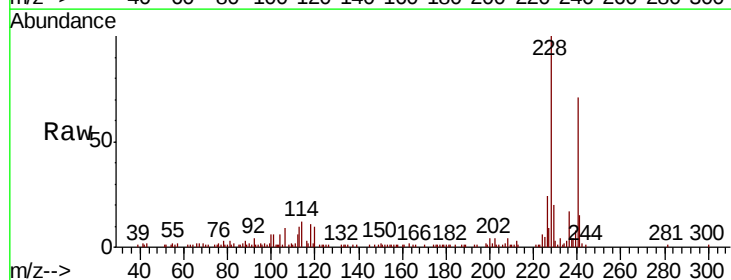
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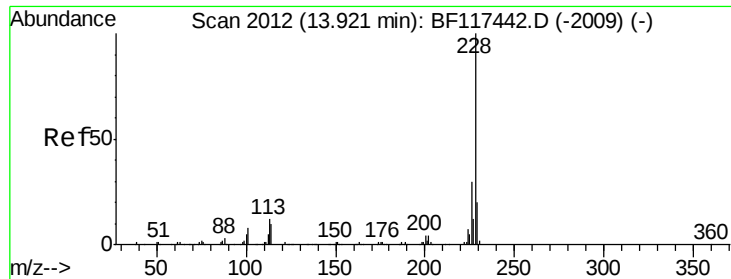
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#81
 Benzo(a)anthracene
 Concen: 9.907 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.2	21.0	31.4
229	20.0	16.4	24.6





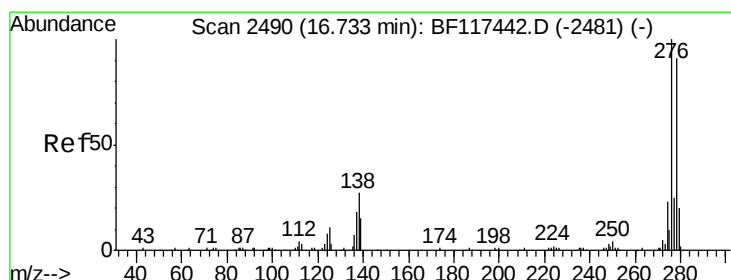
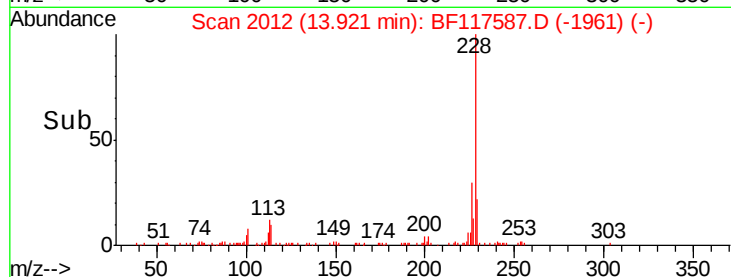
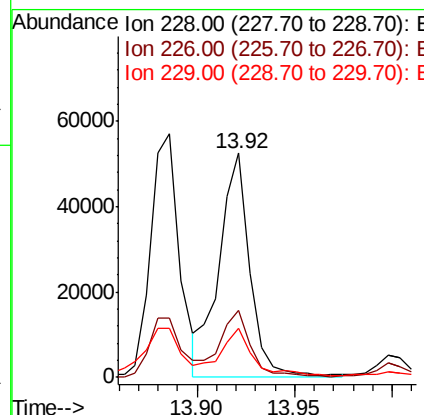
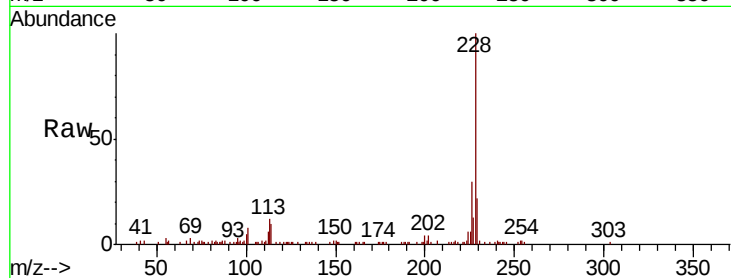
#83
Chrysene
Concen: 9.961 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampleId :
172-80-(0-2)

Tot Ion:	228	Resp:	58254
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.9	35.9
229	21.9	15.8	23.6

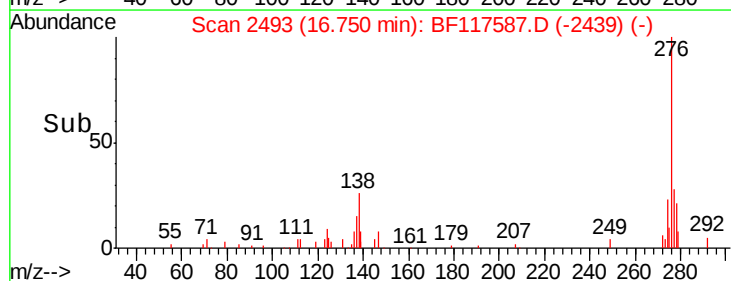
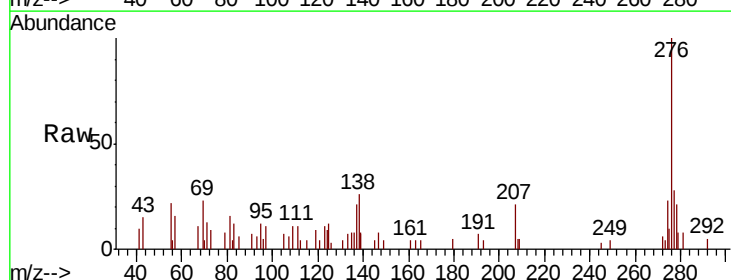
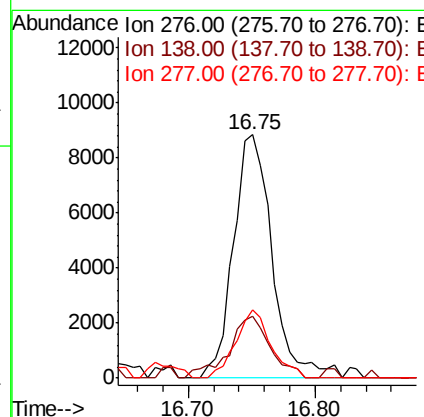
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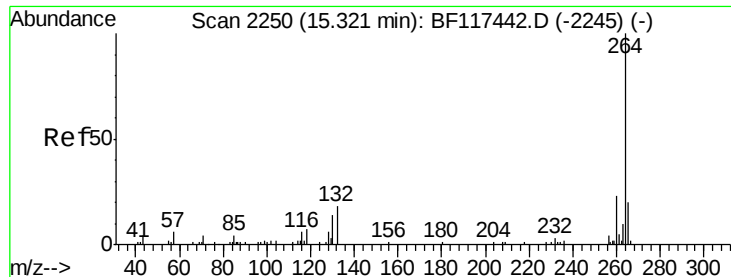
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.289 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion:	276	Resp:	18726
Ion Ratio	Lower	Upper	
276	100		
138	27.2	21.8	32.8
277	25.3	20.0	30.0





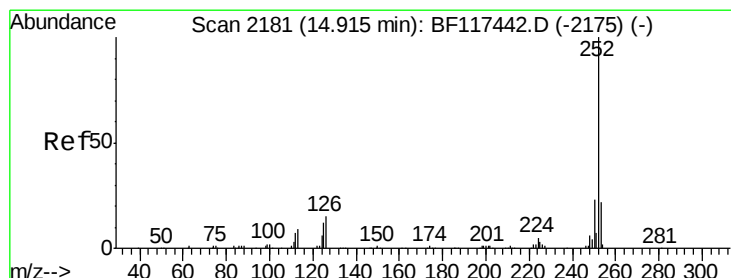
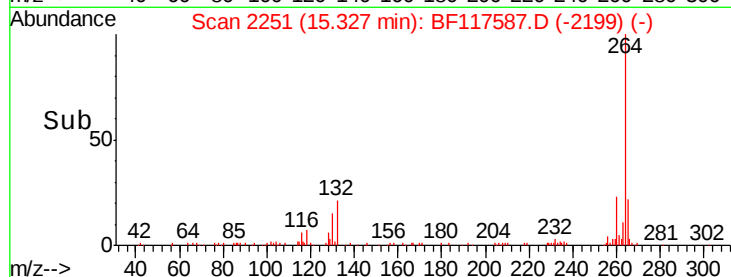
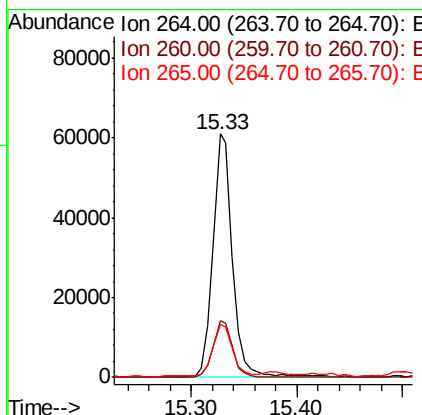
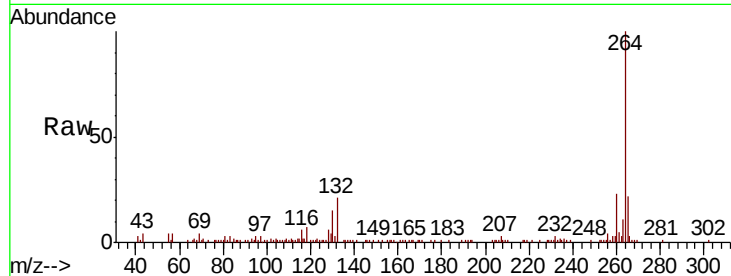
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampleId :
172-80-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	21.5	16.1	24.1

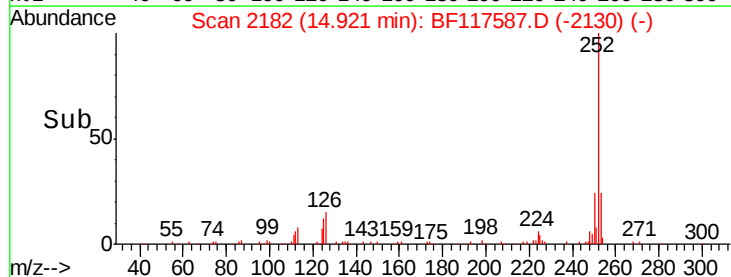
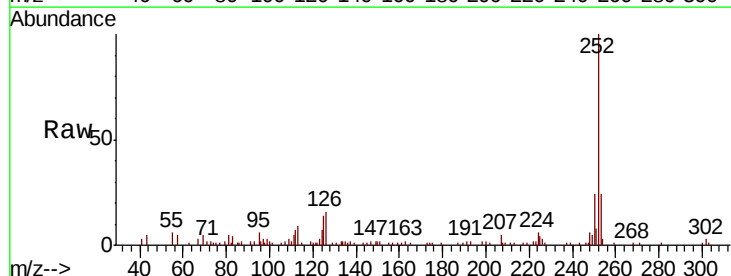
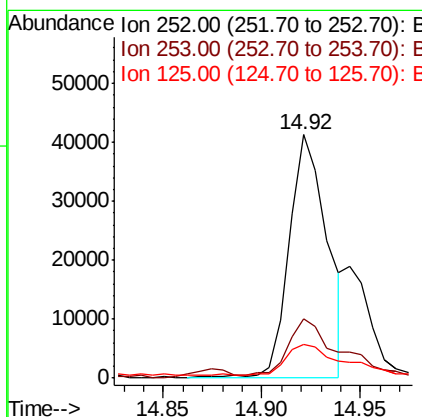
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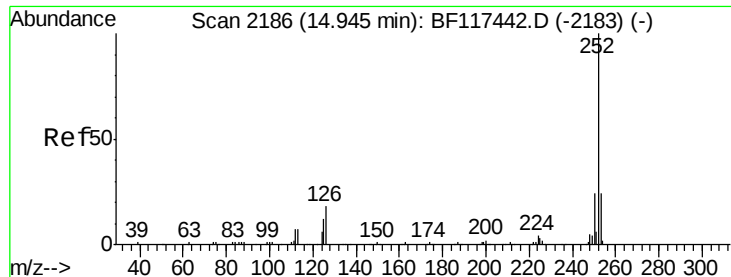
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#88
Benzo(b)fluoranthene
Concen: 11.924 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	13.7	9.9	14.9





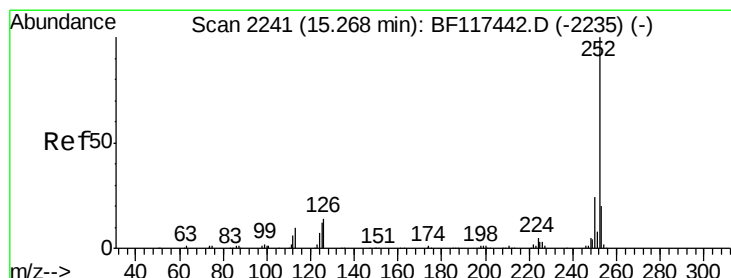
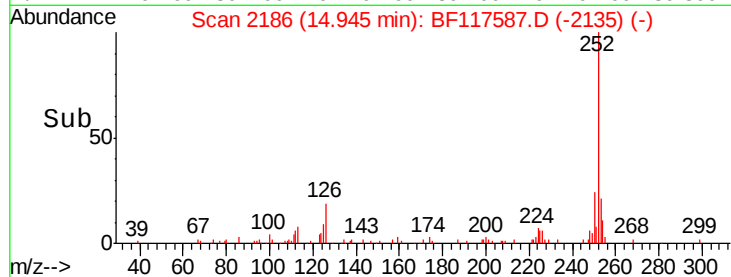
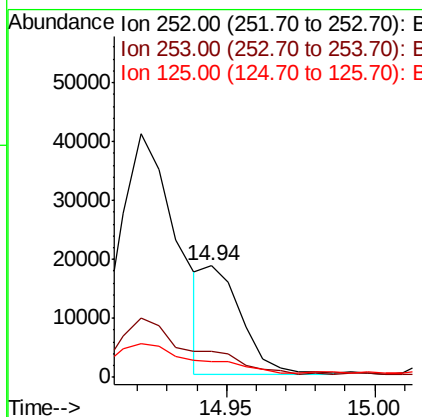
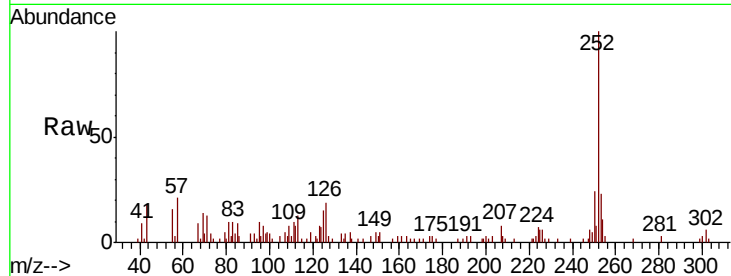
#89
Benzo(k)fluoranthene
Concen: 3.390 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampleId :
172-80-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	14.6	8.9	13.3

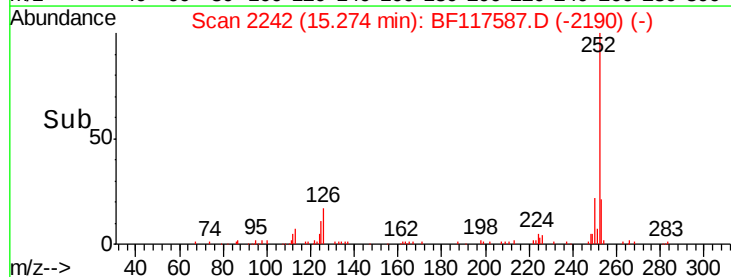
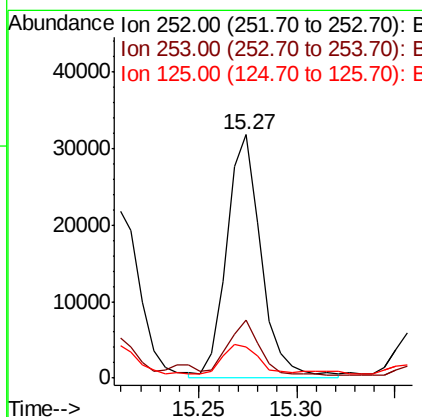
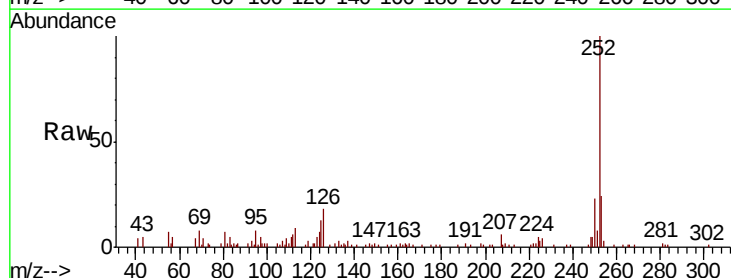
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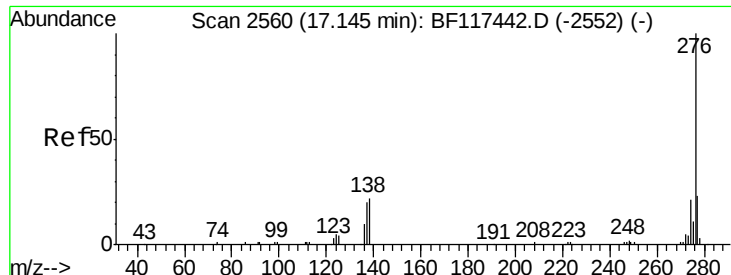
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#90
Benzo(a)pyrene
Concen: 9.159 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.3	24.5
125	12.9	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.580 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Instrument :
 BNA_F
 ClientSampleId :
 172-80-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.4	27.6
138	29.7	17.8	26.6

Manual Integrations
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