

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117563.D
 Acq On : 28 Oct 2019 16:04
 Operator : JU
 Sample : K5501-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 187-88-(0-2)

Manual Integrations
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 10/30/2019 4:51:13 PM

Quant Time: Oct 29 15:41:21 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	40256	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	160968	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	81510	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	129514	20.00	ng	0.00
76) Chrysene-d12	13.89	240	74104	20.00	ng	0.00
87) Perylene-d12	15.33	264	81463	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	251357	92.89	ng	0.00
7) Phenol-d6	6.38	99	355806	97.90	ng	0.00
23) Nitrobenzene-d5	7.29	82	217005	66.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	64312	91.19	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	362630	62.68	ng	-0.01
79) Terphenyl-d14	12.83	244	296572	65.28	ng	0.00
Target Compounds						
10) Phenol	6.39	94	8535	2.301	ng	89
50) Dimethylphthalate	9.48	163	47203	8.123	ng	# 96
71) Phenanthrene	11.27	178	67556	8.983	ng	100
72) Anthracene	11.33	178	18388m	2.383	ng	
75) Fluoranthene	12.46	202	113252	15.043	ng	98
78) Pyrene	12.69	202	101184	15.897	ng	99
81) Benzo(a)anthracene	13.88	228	41551	8.313	ng	99
83) Chrysene	13.92	228	37367	7.628	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	28009	7.658	ng	98
88) Benzo(b)fluoranthene	14.92	252	45520m	9.463	ng	
89) Benzo(k)fluoranthene	14.94	252	19374m	3.929	ng	
90) Benzo(a)pyrene	15.27	252	39867	9.115	ng	94
92) Benzo(a,h,i)perylene	17.18	276	25650	7.168	ng	95

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

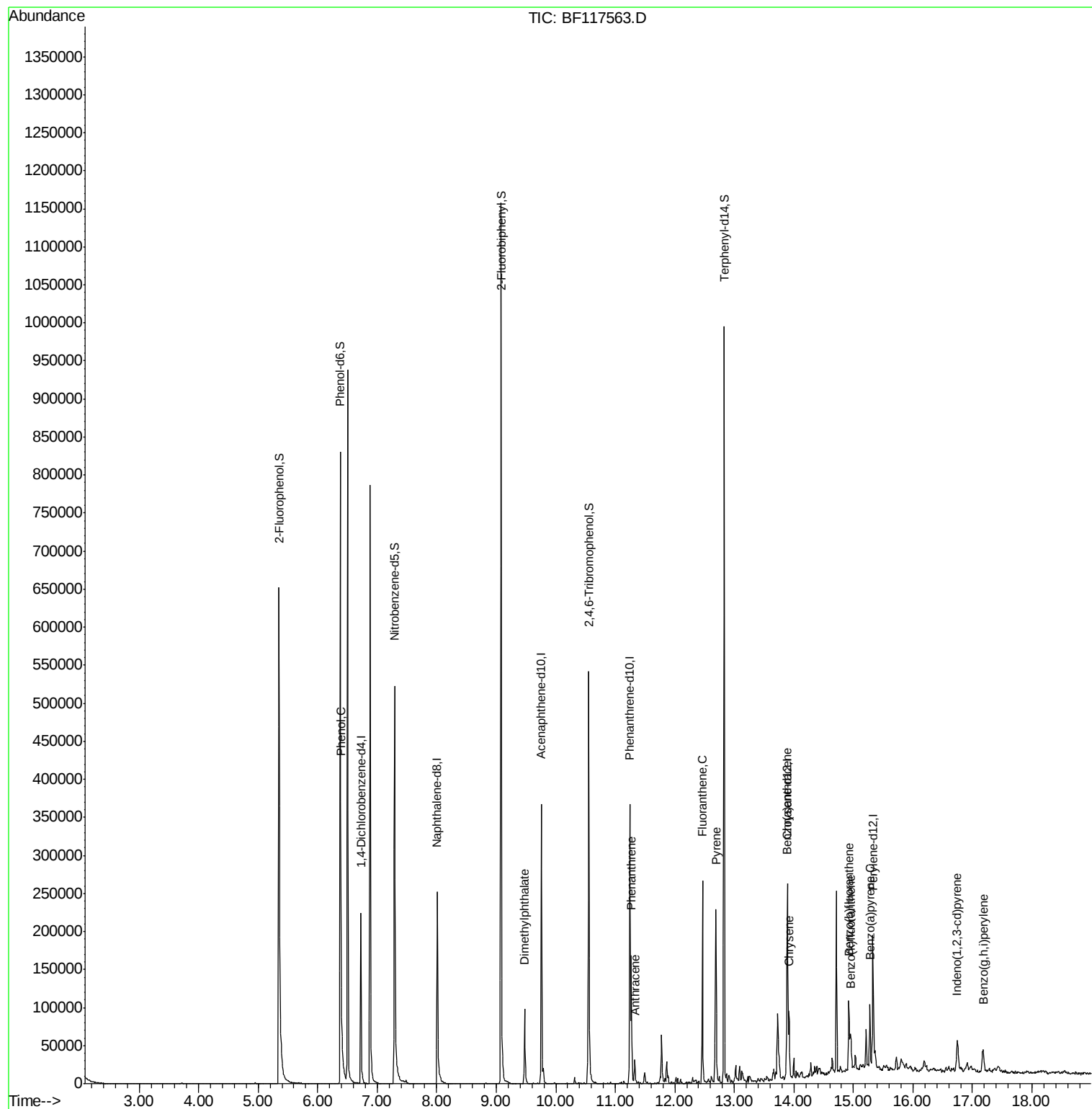
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
Data File : BF117563.D
Acq On : 28 Oct 2019 16:04
Operator : JU
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187-88-(0-2)

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Quant Time: Oct 29 15:41:21 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration





#1

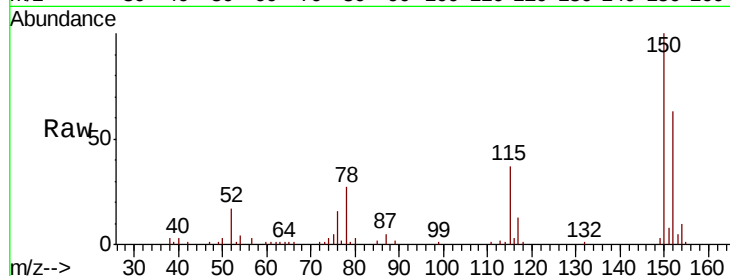
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_F
ClientSampleId :
187-88-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.8	190.2
115	59.6	51.6	77.4

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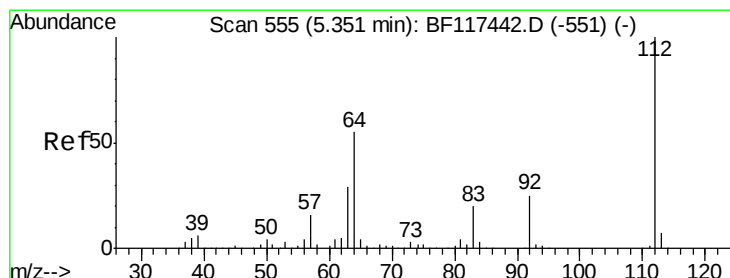
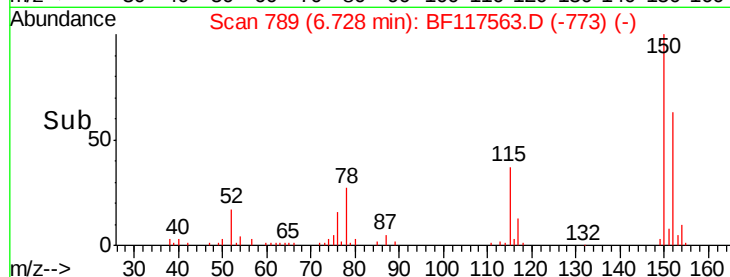
Abundance

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

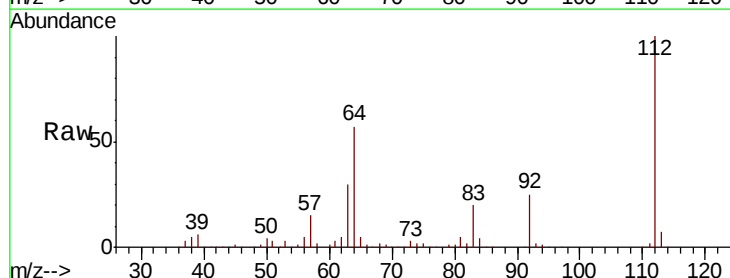
Time-->



#5

2-Fluorophenol
Concen: 92.892 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	44.1	66.1
63	30.4	23.4	35.2



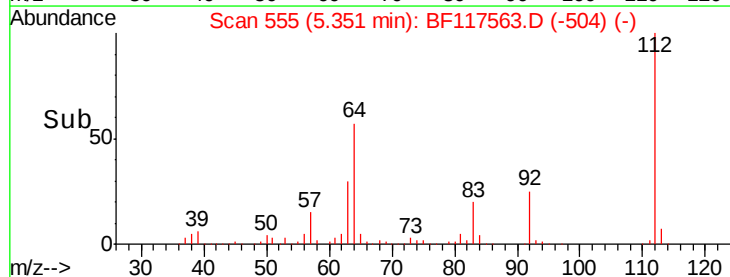
Abundance

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: 97.901 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Instrument :

BNA_F

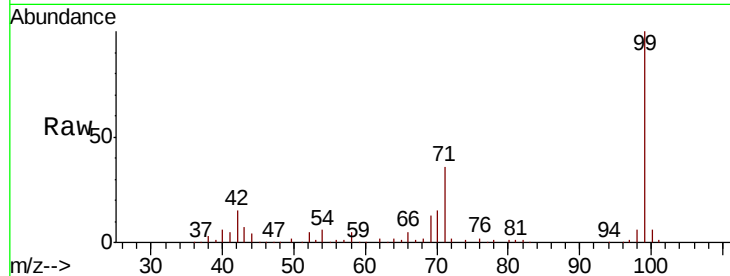
ClientSampleId :

187-88-(0-2)

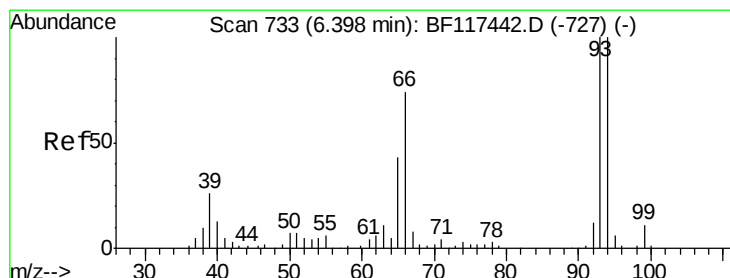
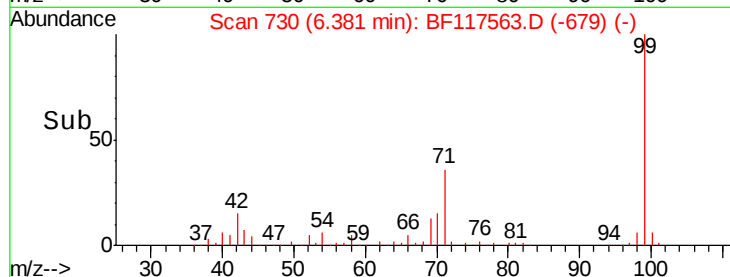
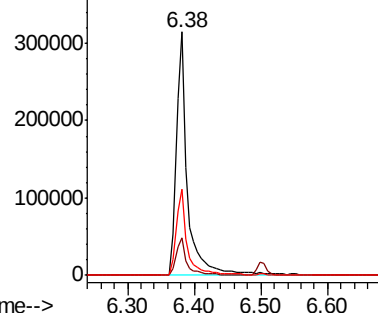
Tot Ion:	99	Resp:	355806
Ion Ratio	Lower	Upper	
99	100		
42	15.4	12.8	19.2
71	35.5	28.6	43.0

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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: 2.301 ng

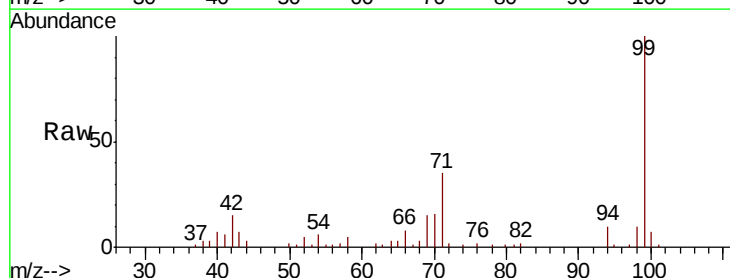
RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

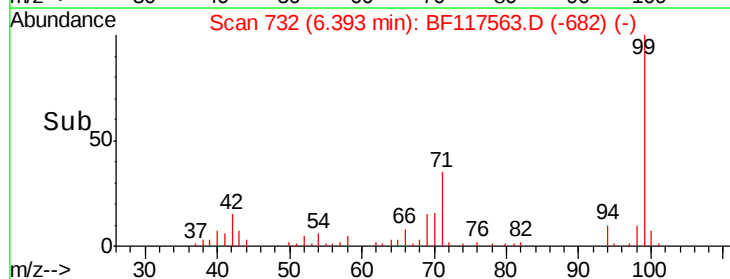
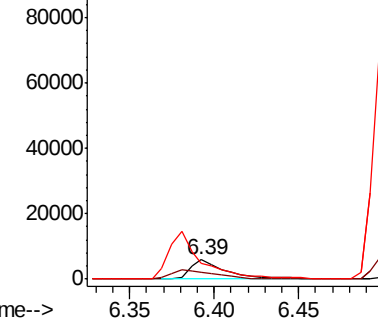
Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Tgt Ion:	94	Resp:	8535
Ion Ratio	Lower	Upper	
94	100		
65	35.4	23.4	63.4
66	83.2	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





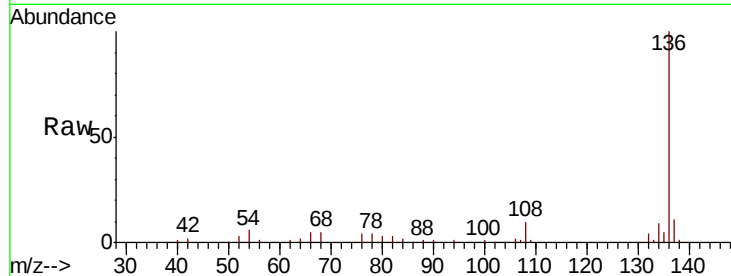
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_F
ClientSampled :
187-88-(0-2)

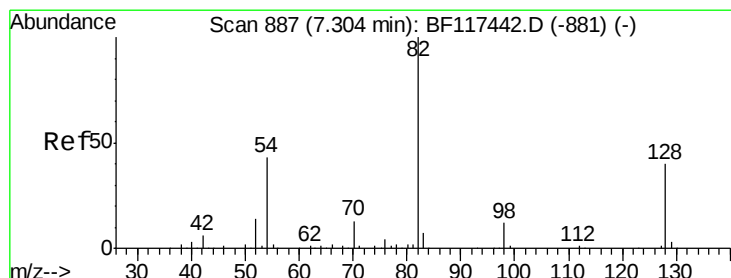
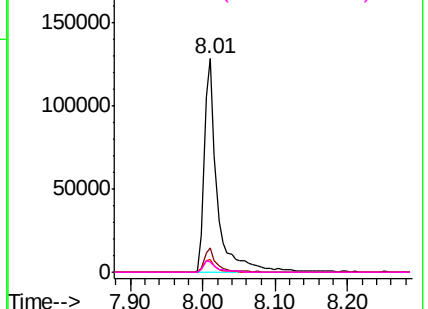
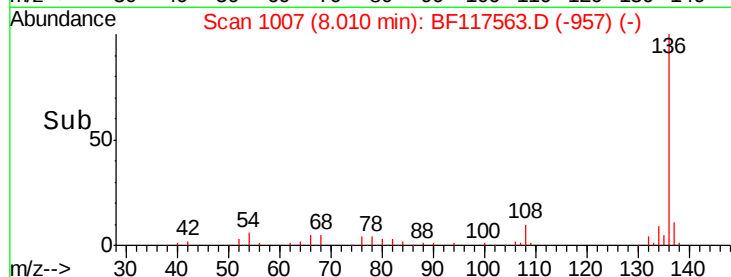
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.3	8.2	12.4		
54	6.1	4.5	6.7		
68	4.9	4.3	6.5		

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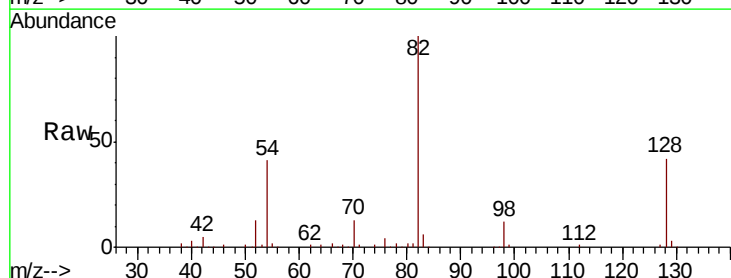


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

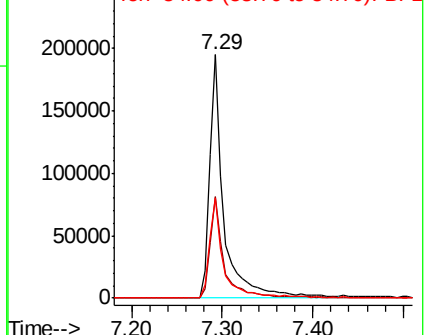
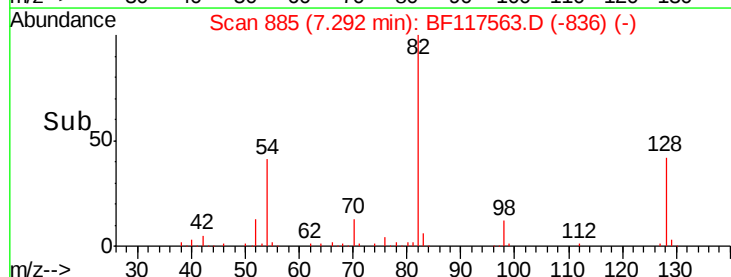


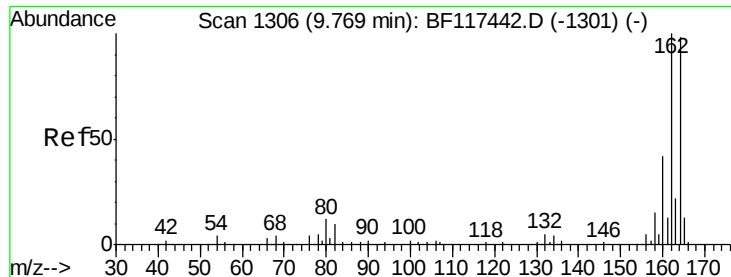
#23
Nitrobenzene-d5
Concen: 66.554 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	41.5	32.2	48.2		
54	41.0	34.2	51.2		



Abundance Ion 82.00 (81.70 to 82.70): BF1
250000
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# 1304

Delta R.T. -0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Instrument :

BNA_F

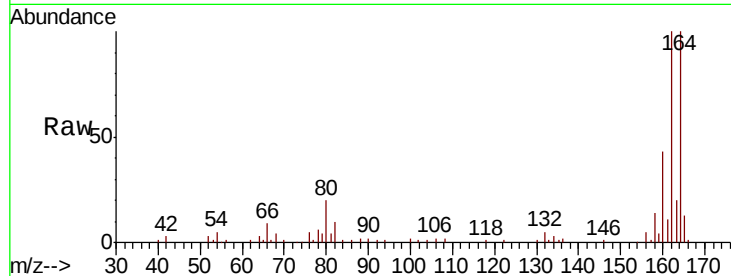
ClientSampleId :

187-88-(0-2)

Tot Ion:	164	Resp:	81510
Ion Ratio	Lower	Upper	
164	100		
162	100.2	81.8	122.6
160	42.8	34.4	51.6

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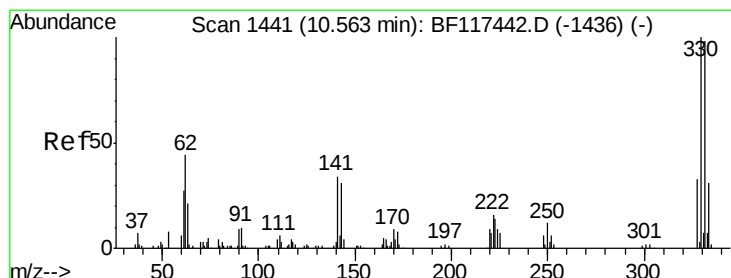
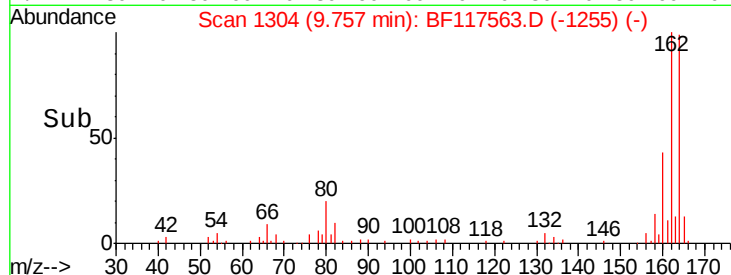
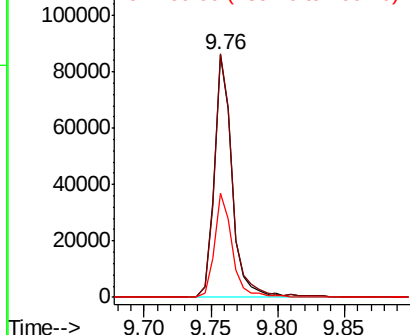


Abundance

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: 91.188 ng

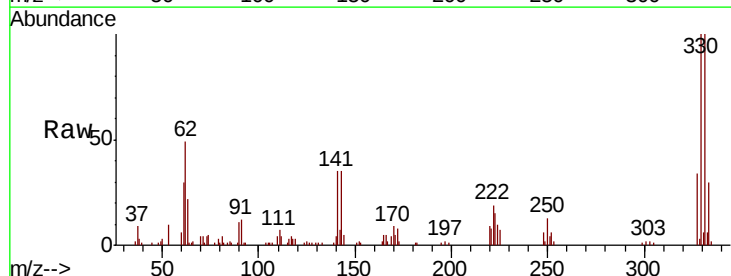
RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Tgt Ion:	330	Resp:	64312
Ion Ratio	Lower	Upper	
330	100		
332	99.1	78.5	117.7
141	43.9	37.0	55.6

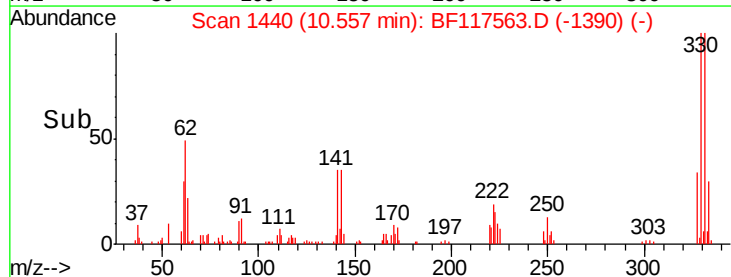
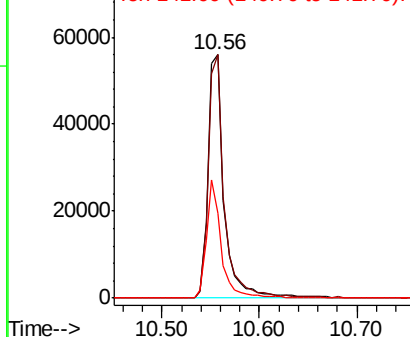


Abundance

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





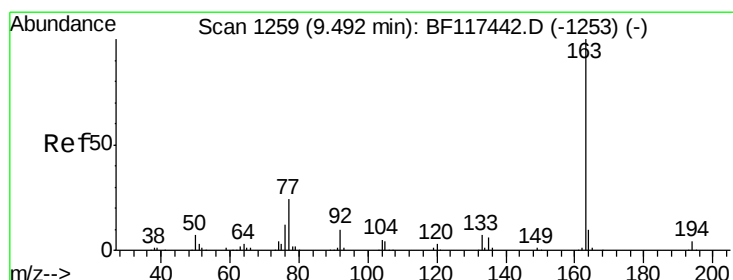
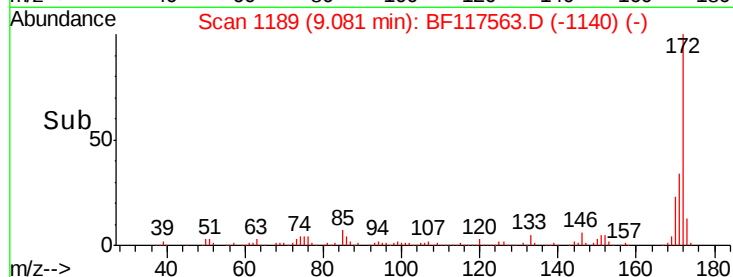
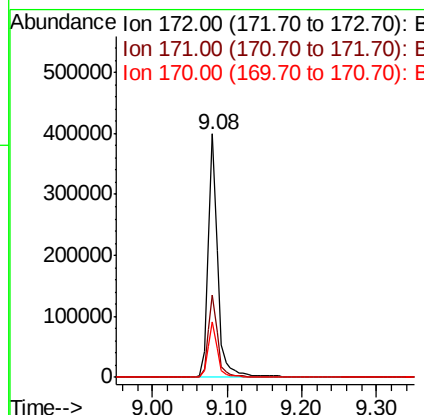
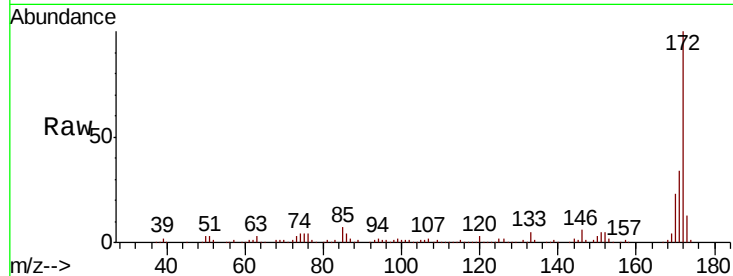
#45
2-Fluorobiphenyl
Concen: 62.685 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_F
ClientSampleId :
187-88-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.5	41.3
170	22.8	18.6	27.8

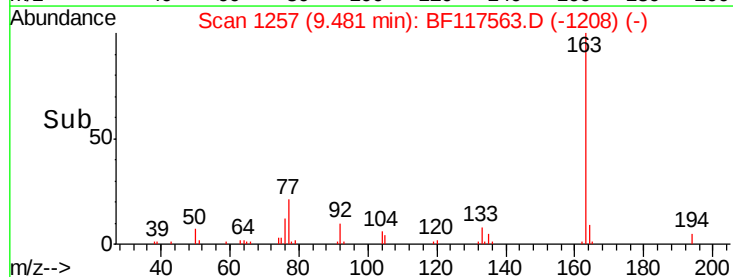
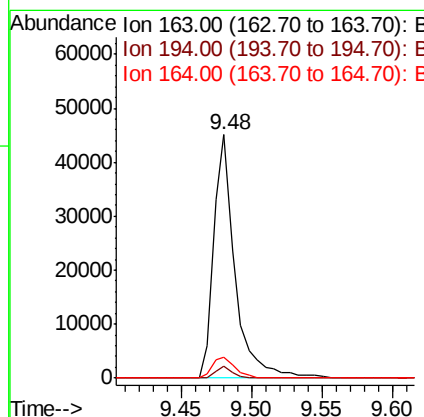
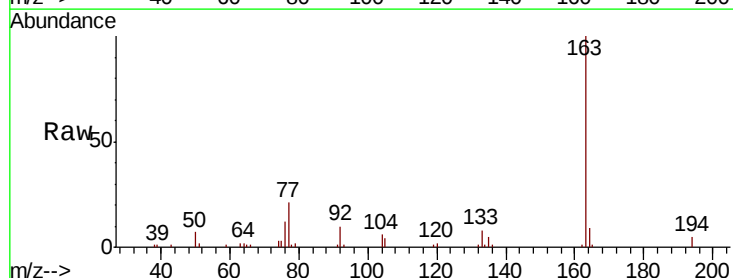
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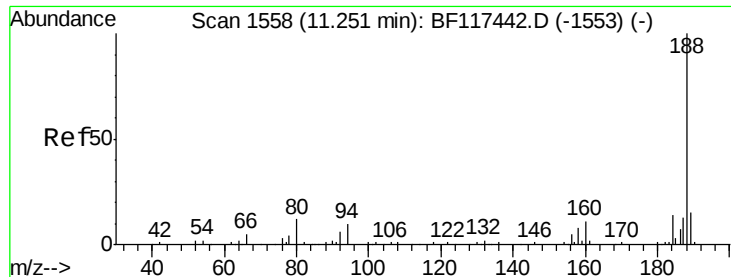
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#50
Dimethylphthalate
Concen: 8.123 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.9	4.3#
164	8.8	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Instrument :

BNA_F

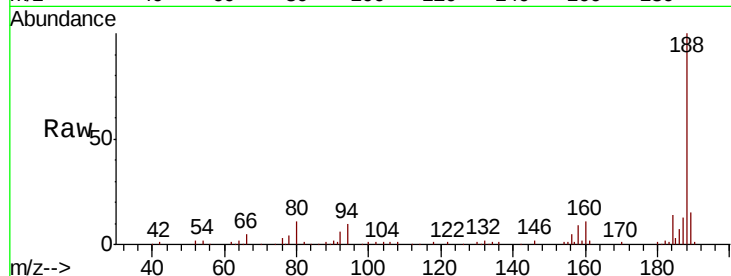
ClientSampleId :

187-88-(0-2)

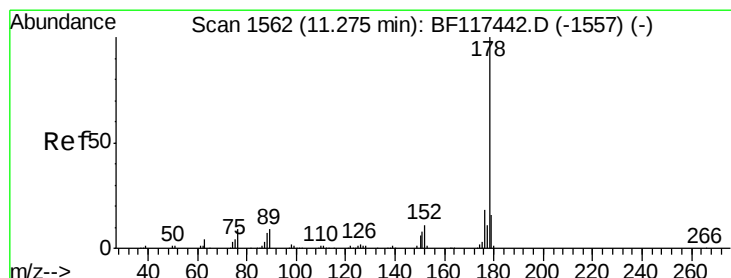
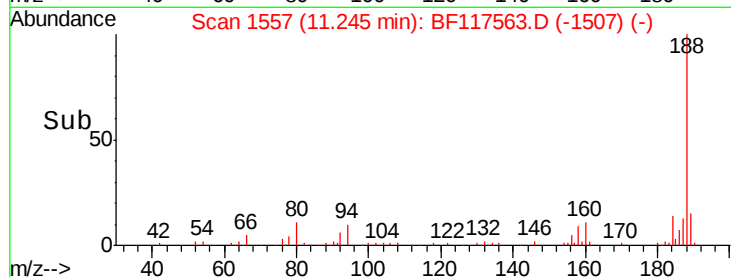
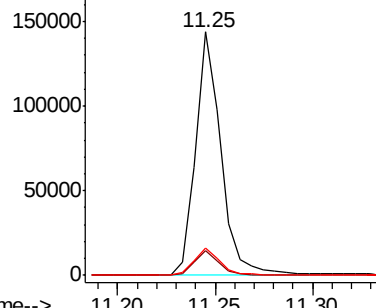
Tot Ion	Ratio	Resp	Lower	Upper
188	100	129514		
94	10.4	8.0	12.0	
80	11.5	9.5	14.3	

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 8.983 ng

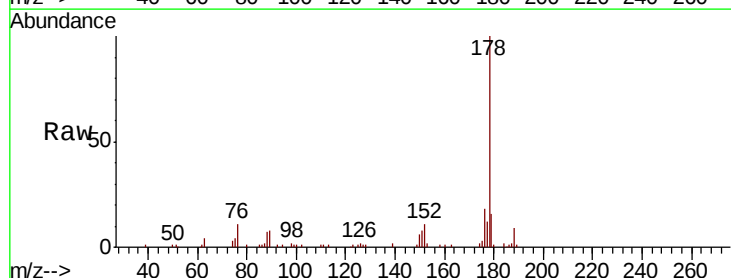
RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

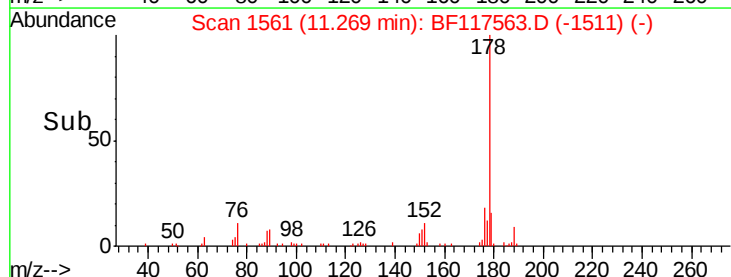
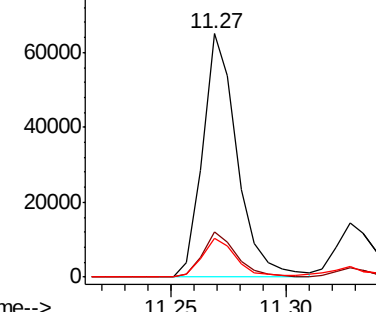
Lab File: BF117563.D

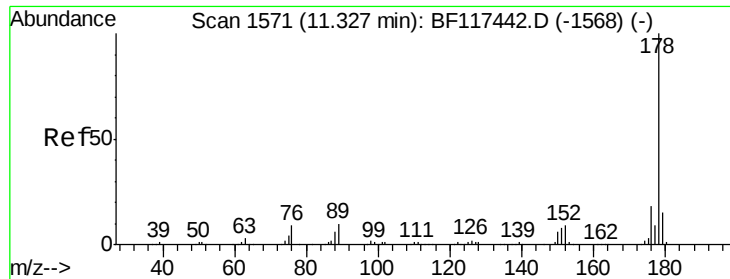
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	67556		
176	18.3	14.6	22.0	
179	15.9	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: 2.383 ng/mL

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Instrument :

BNA_F

ClientSampleId :

187-88-(0-2)

Tot Ion:178 Resp: 18388

Ion Ratio Lower Upper

178 100

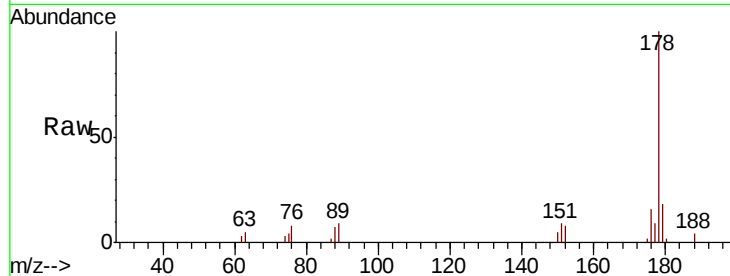
176 16.0 14.7 22.1

179 18.5 12.2 18.2#

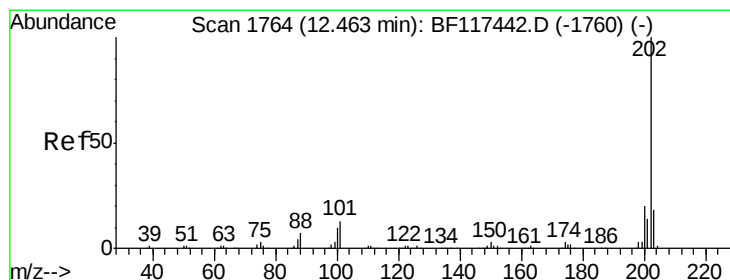
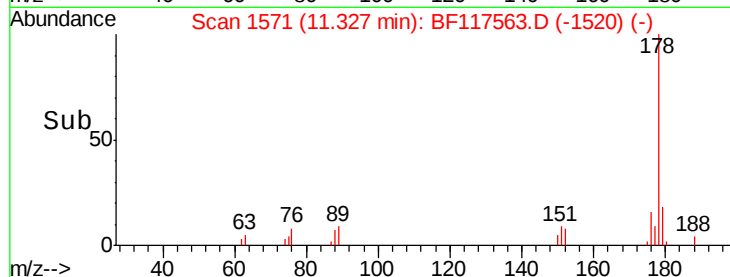
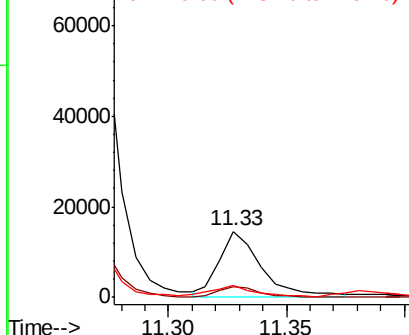
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 15.043 ng/mL

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

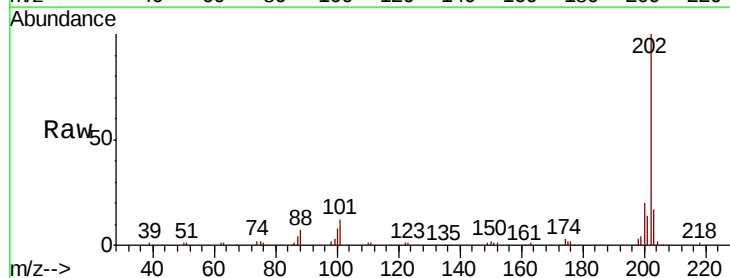
Tgt Ion:202 Resp: 113252

Ion Ratio Lower Upper

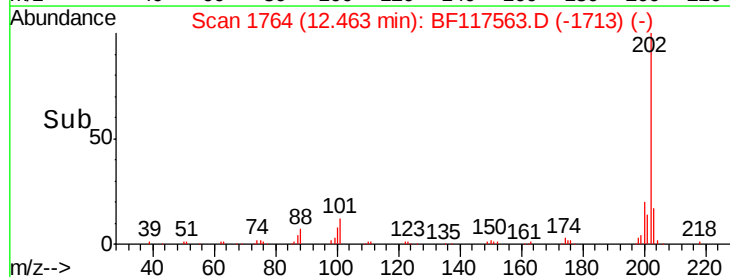
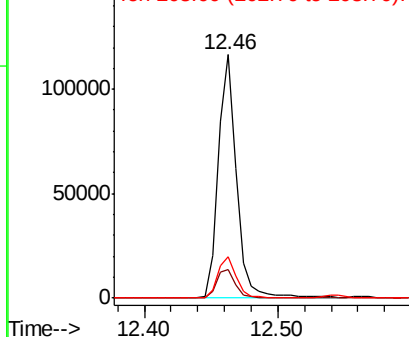
202 100

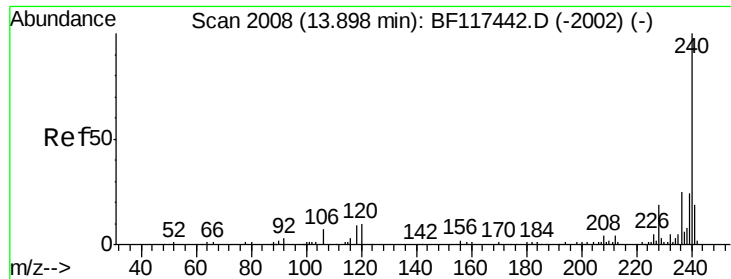
101 11.5 0.0 32.7

203 17.1 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





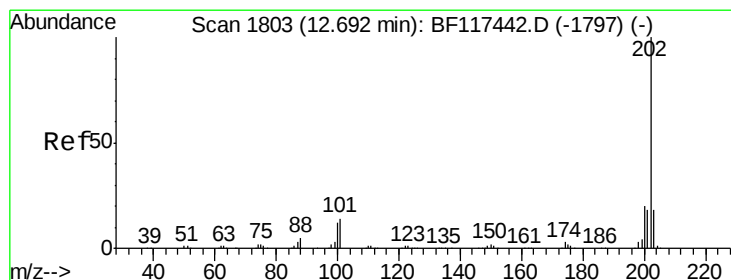
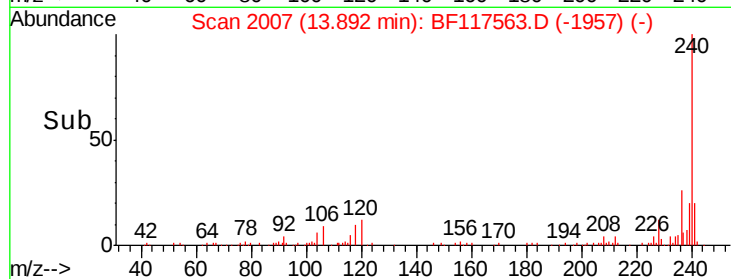
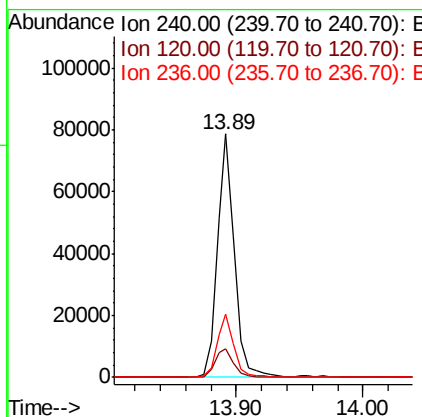
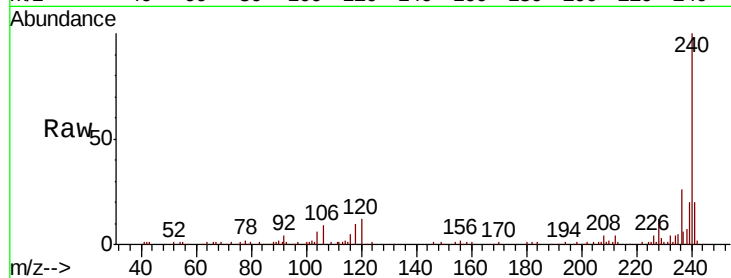
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_F
ClientSampled :
187-88-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.4	12.6
236	25.7	20.0	30.0

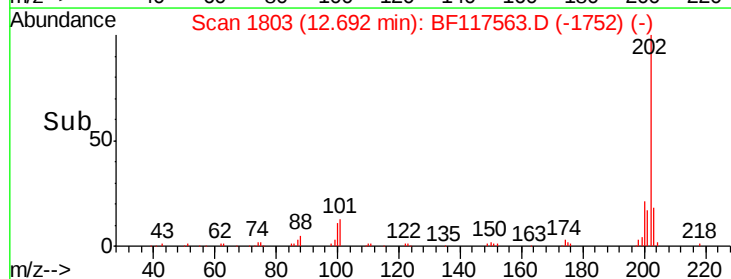
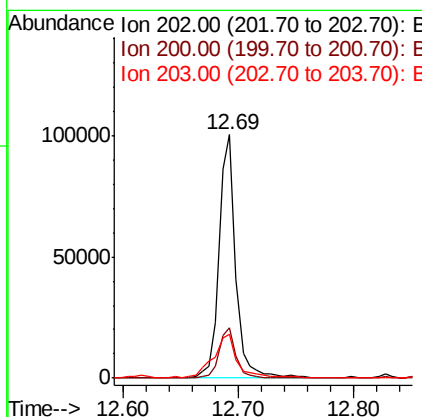
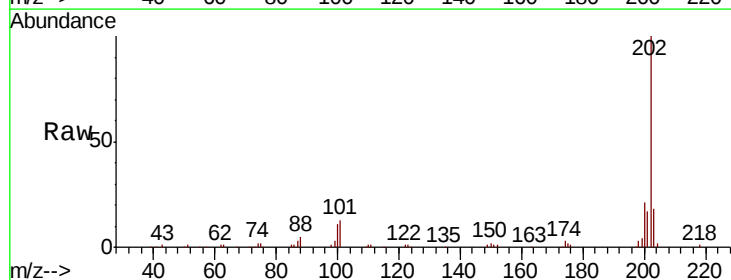
Manual Integrations
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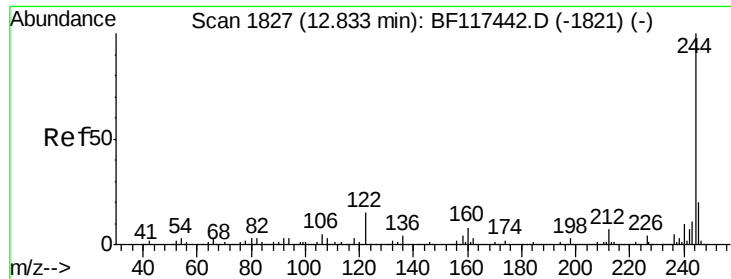
mohammad
10/30/2019 4:51:13 PM



#78
Pyrene
Concen: 15.897 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.2
203	18.0	14.0	21.0





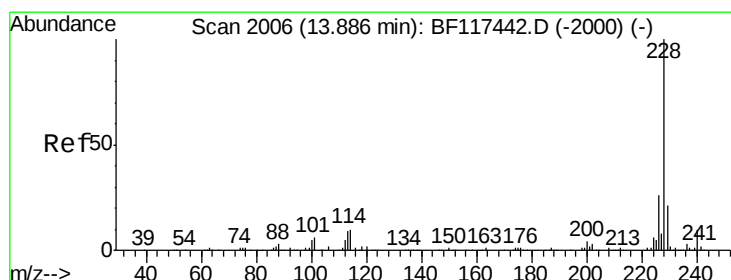
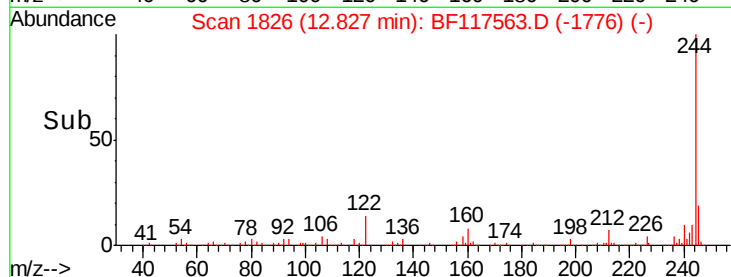
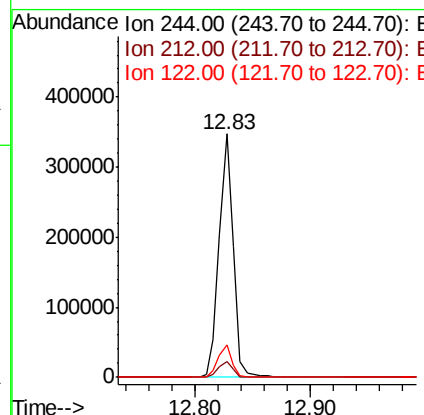
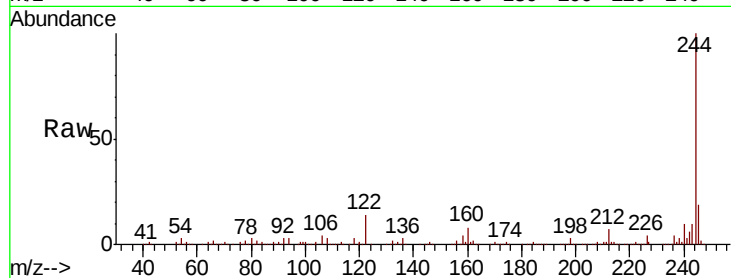
#79
 Terphenyl-d14
 Concen: 65.279 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Instrument :
 BNA_F
 ClientSampleId :
 187-88-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	13.5	11.8	17.8

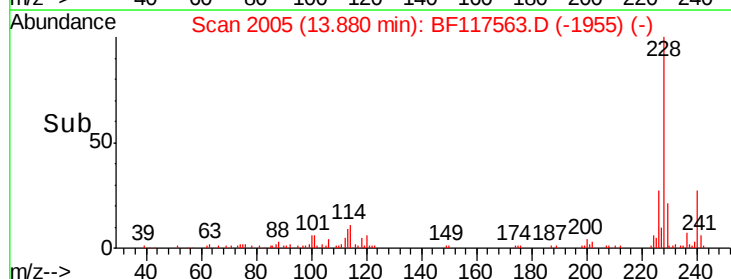
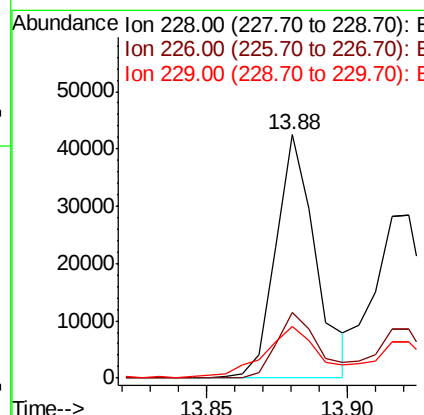
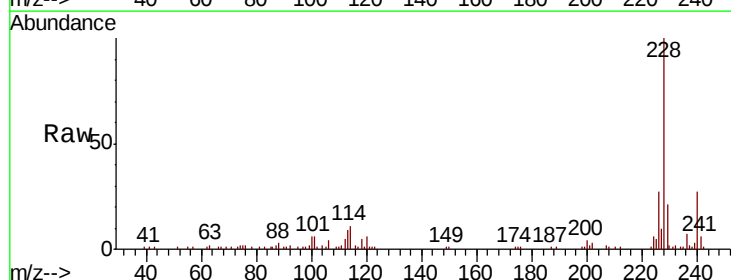
Manual Integrations
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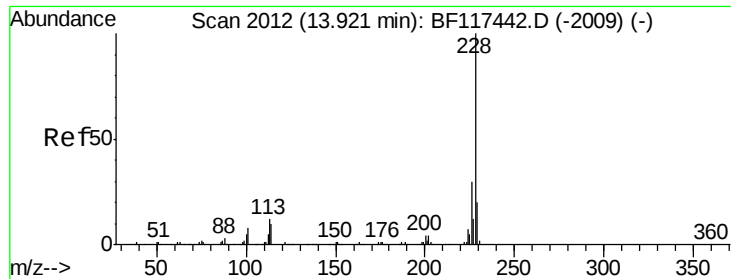
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#81
 Benzo(a)anthracene
 Concen: 8.313 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.0	31.4
229	21.4	16.4	24.6





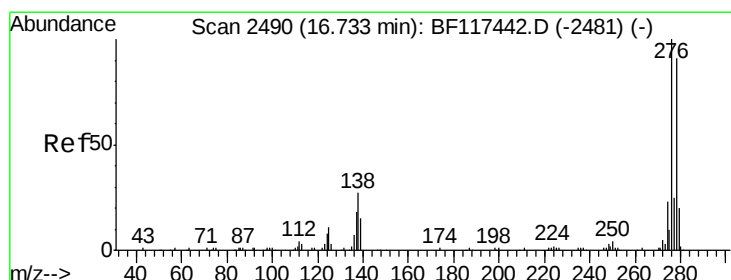
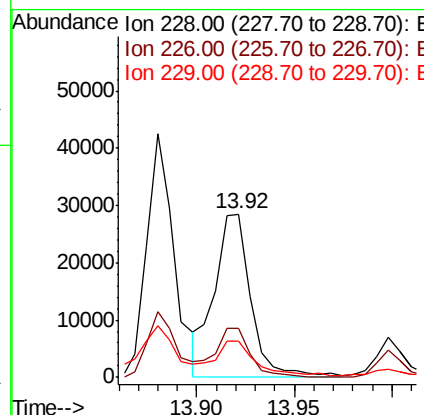
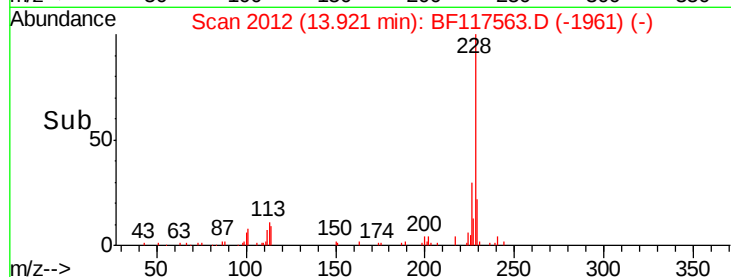
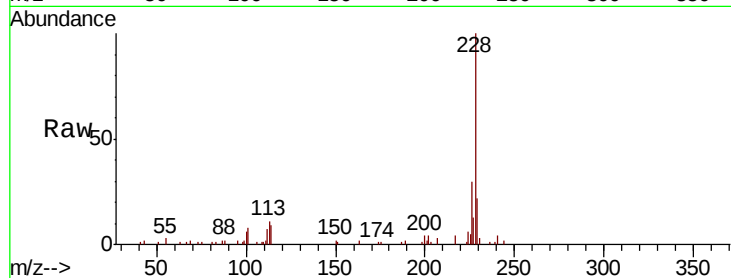
#83
Chrysene
Concen: 7.628 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_F
ClientSampleId :
187-88-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	22.0	15.8	23.6

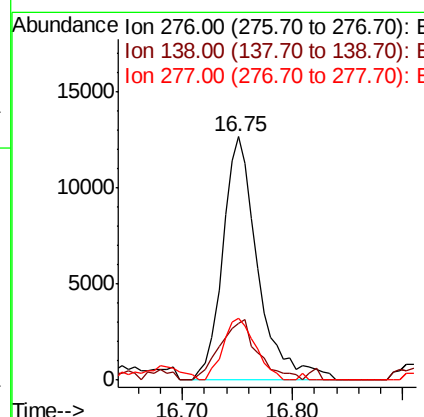
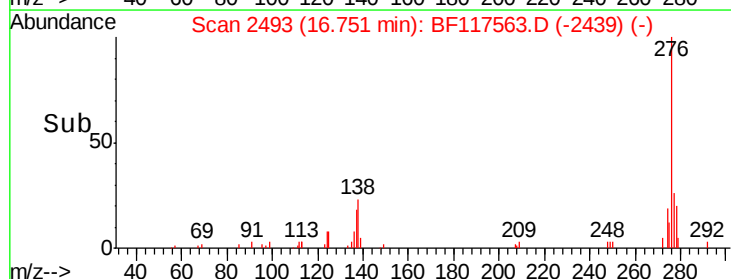
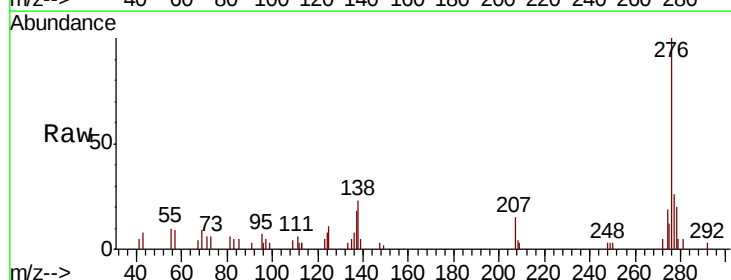
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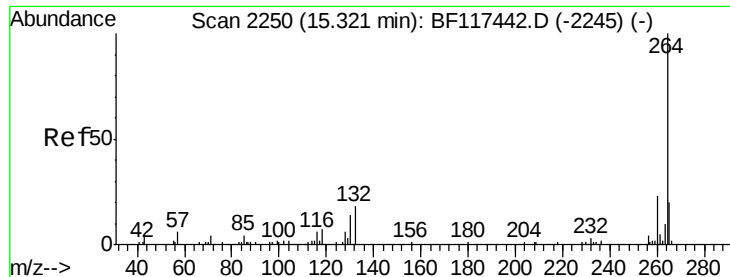
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.658 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.8
277	23.3	20.0	30.0





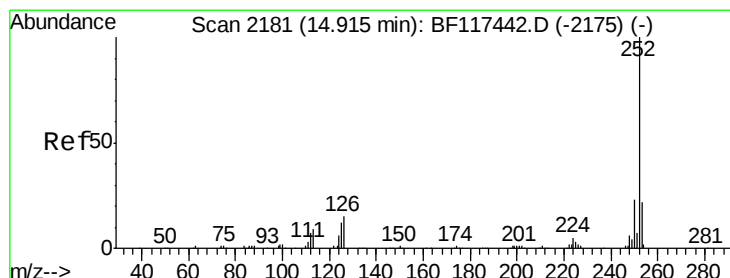
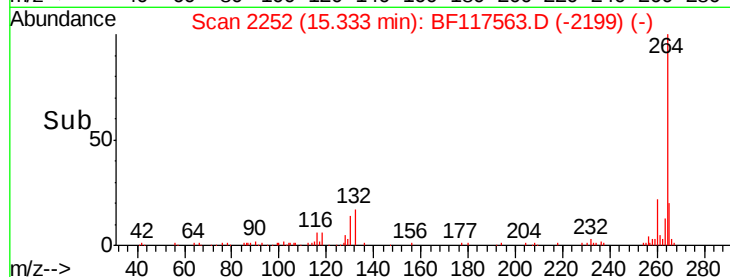
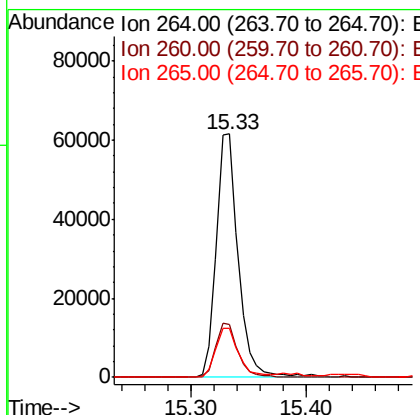
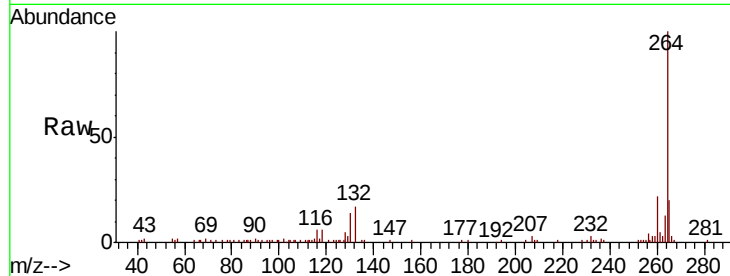
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_F
ClientSampleId :
187-88-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.4	27.6
265	20.4	16.1	24.1

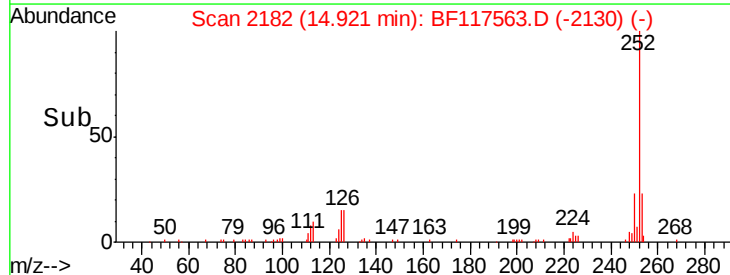
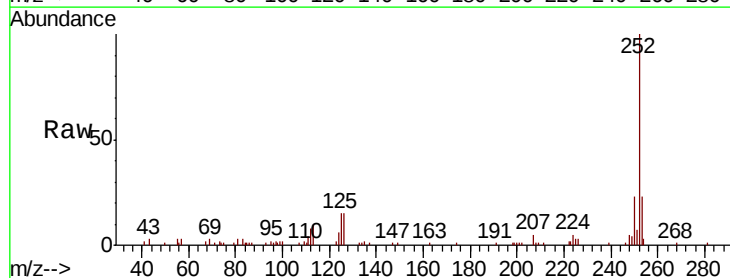
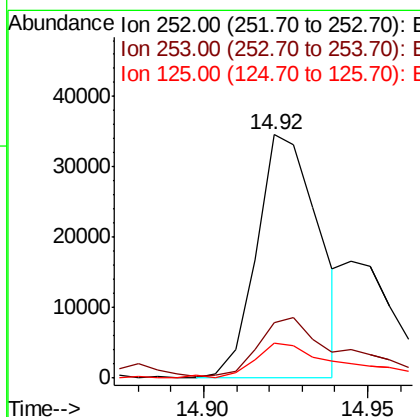
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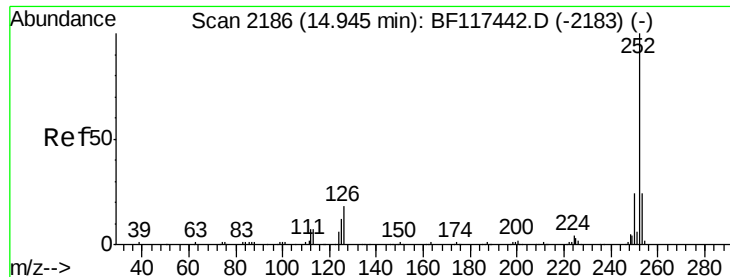
mohammad
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#88
Benzo(b)fluoranthene
Concen: 9.463 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.6	9.9	14.9





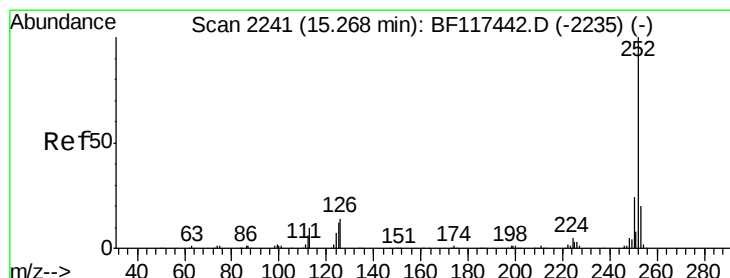
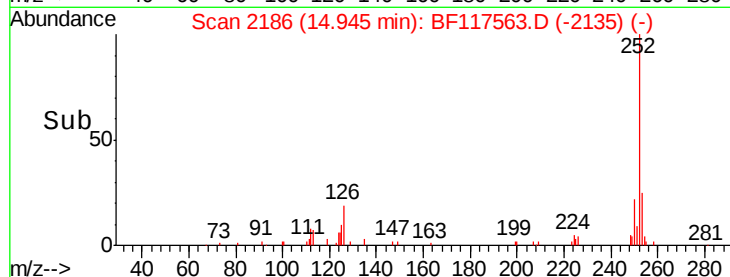
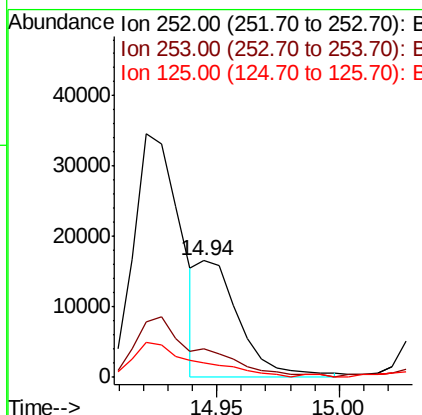
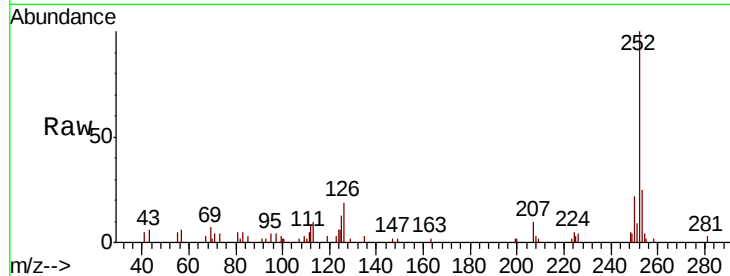
#89
Benzo(k)fluoranthene
Concen: 3.929 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_F
ClientSampleId :
187-88-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	12.6	8.9	13.3

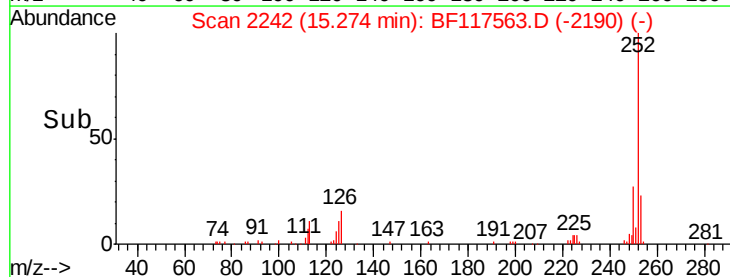
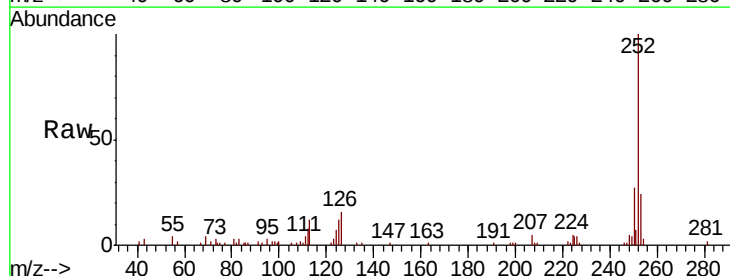
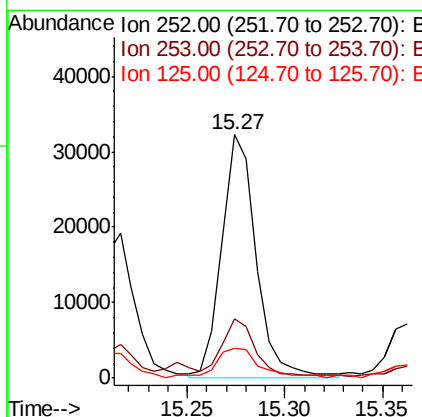
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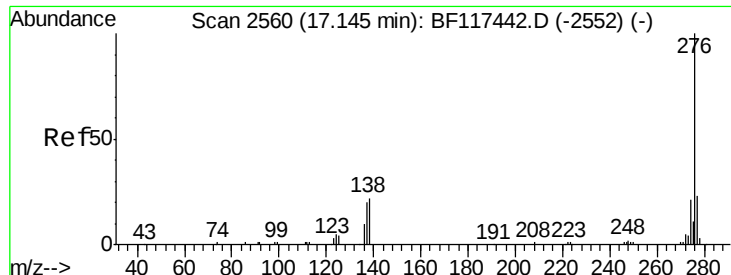
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#90
Benzo(a)pyrene
Concen: 9.115 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.3	24.5
125	12.0	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 7.168 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Instrument :
 BNA_F
 ClientSampleId :
 187-88-(0-2)

Tot Ion:	276	Resp:	25650
Ion Ratio		Lower	Upper
276	100		
277	25.4	18.4	27.6
138	24.9	17.8	26.6

Manual Integrations
 APPROVED

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