

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117531.D
 Acq On : 25 Oct 2019 00:39
 Operator : JU
 Sample : K5498-07 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 196-00-(0-1)

Manual Integrations
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Quant Time: Oct 25 06:26:52 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

10/26/2019 10:03:36 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	47741	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	196438	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	91671	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	121321	20.00	ng	0.00
76) Chrysene-d12	13.90	240	87311	20.00	ng	0.00
87) Perylene-d12	15.34	264	60108	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	48235	15.03	ng	0.01
7) Phenol-d6	6.39	99	71365	16.56	ng	0.01
23) Nitrobenzene-d5	7.30	82	37322	9.38	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	8532	10.76	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	67603	10.39	ng	0.00
79) Terphenyl-d14	12.83	244	42615	7.96	ng	0.00
Target Compounds						
75) Fluoranthene	12.47	202	22711	3.220	ng	95
78) Pyrene	12.70	202	23839	3.179	ng	96
83) Chrysene	13.93	228	11850m	2.053	ng	
88) Benzo(b)fluoranthene	14.93	252	9553m	2.691	ng	
90) Benzo(a)pyrene	15.28	252	7458m	2.311	ng	

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

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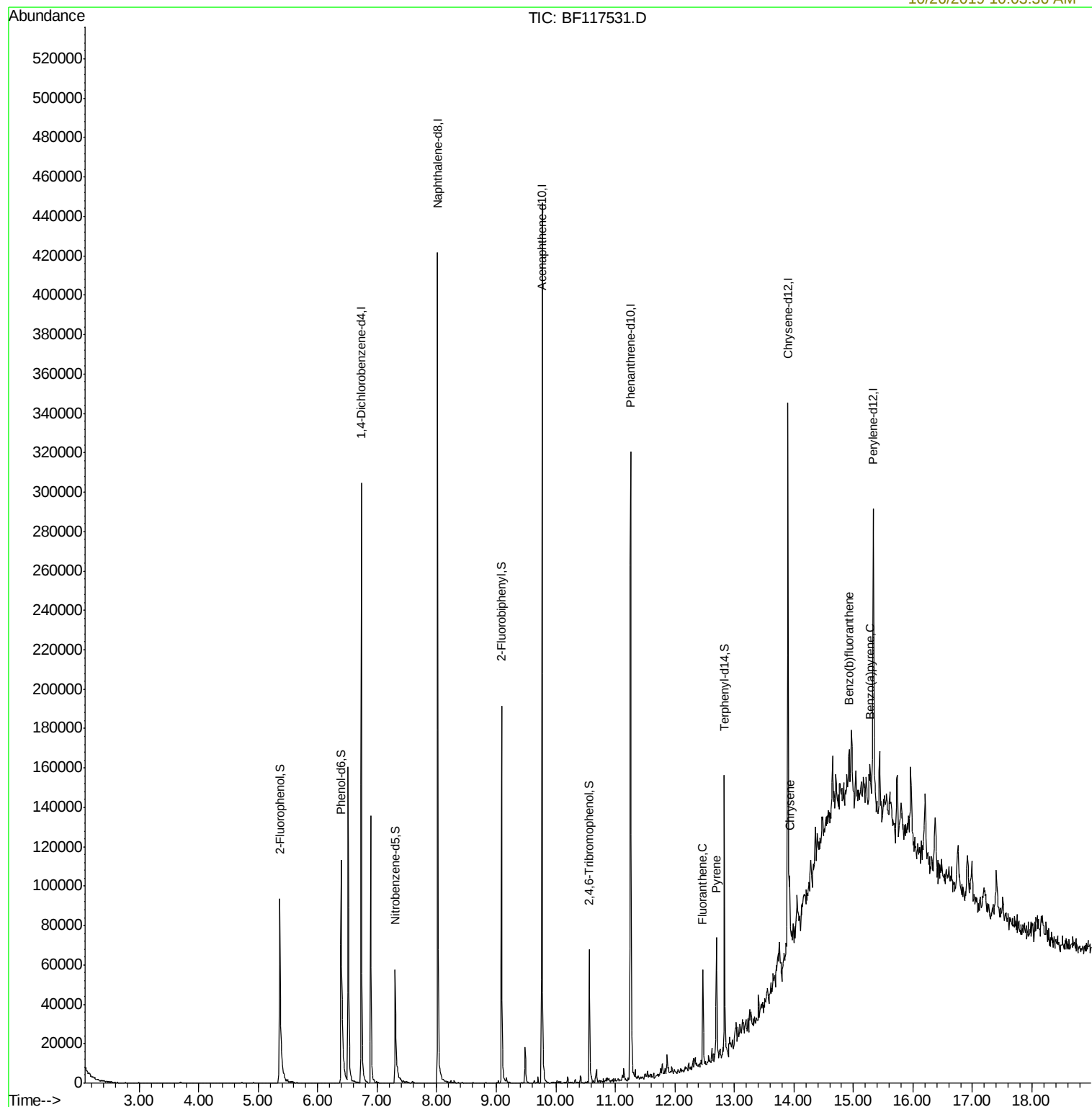
Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

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Quant Time: Oct 25 06:26:52 2019
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

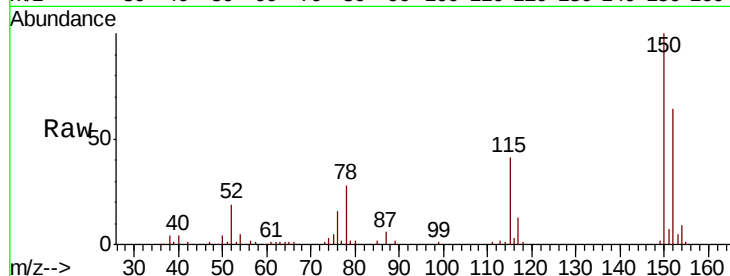
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.8	190.2
115	64.0	51.6	77.4

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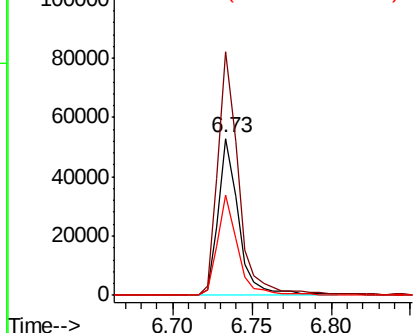


Abundance

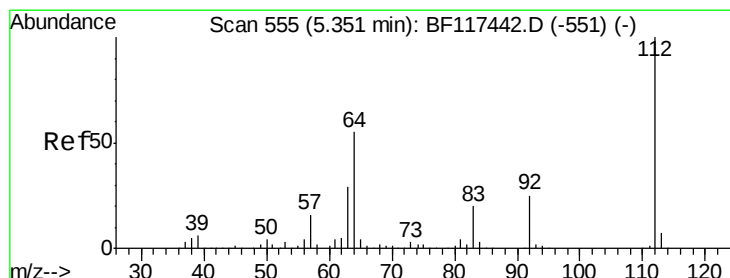
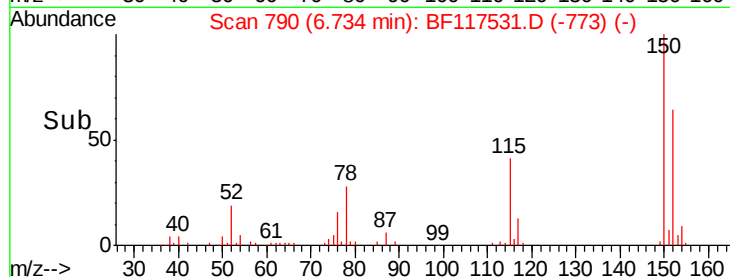
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



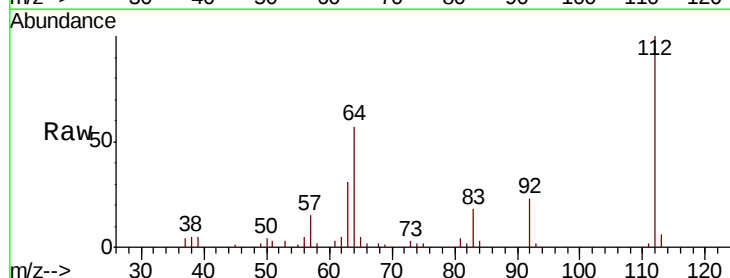
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#5

2-Fluorophenol
Concen: 15.031 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.1	66.1
63	30.8	23.4	35.2

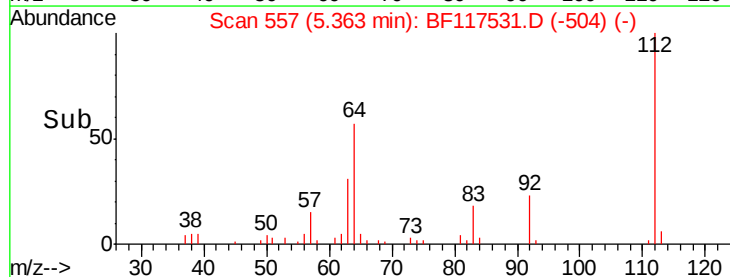
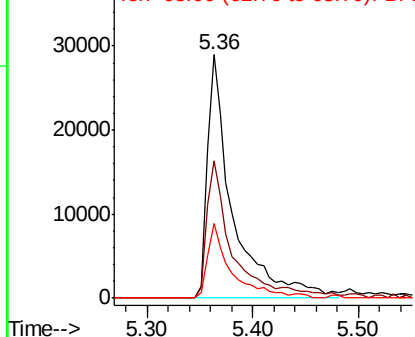


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.558 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117531.D

Acq: 25 Oct 2019 00:39

Instrument :

BNA_F

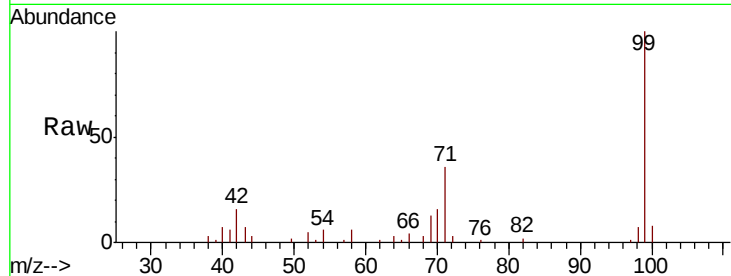
ClientSampleId :

196-00-(0-1)

Tot Ion:	99	Resp:	71365
Ion Ratio	Lower	Upper	
99	100		
42	16.5	12.8	19.2
71	35.6	28.6	43.0

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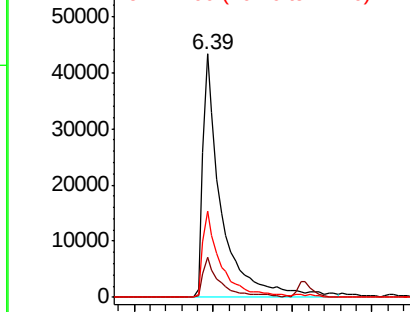


Abundance

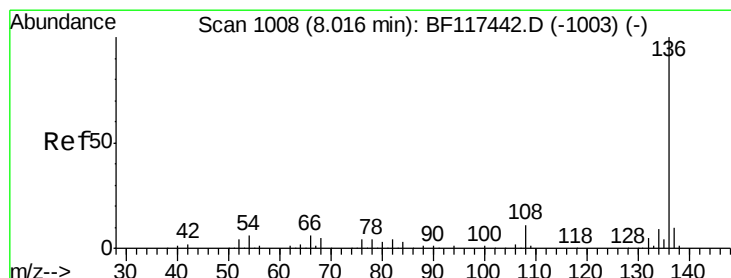
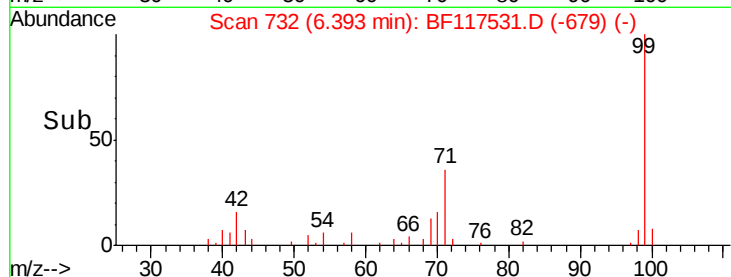
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF117531.D

Acq: 25 Oct 2019 00:39

Tgt Ion:	136	Resp:	196438
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.2	12.4
54	6.4	4.5	6.7
68	5.1	4.3	6.5

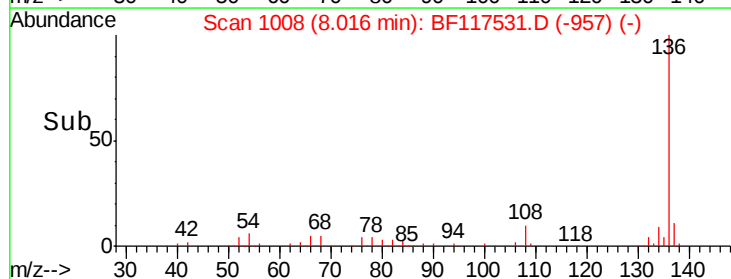
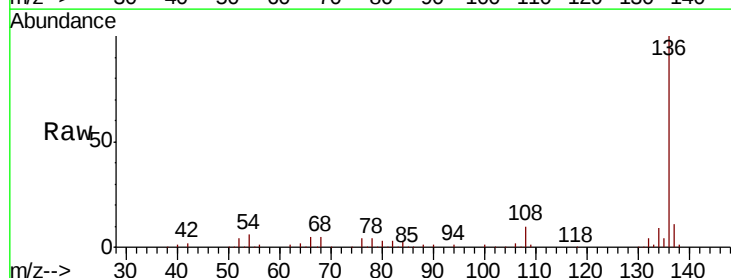
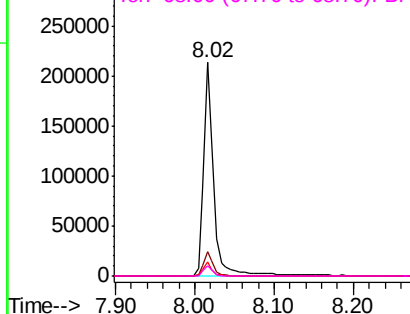
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





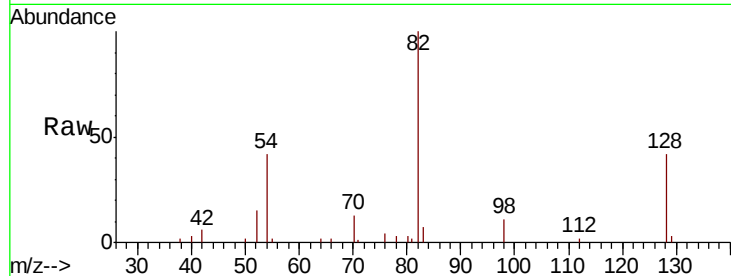
#23
Nitrobenzene-d5
Concen: 9.380 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.2	48.2
54	42.0	34.2	51.2

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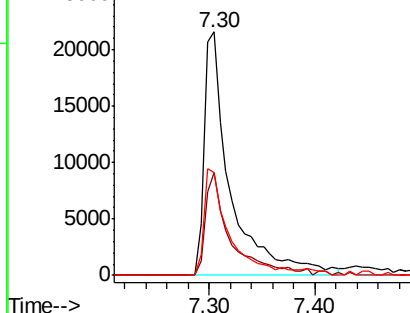


Abundance

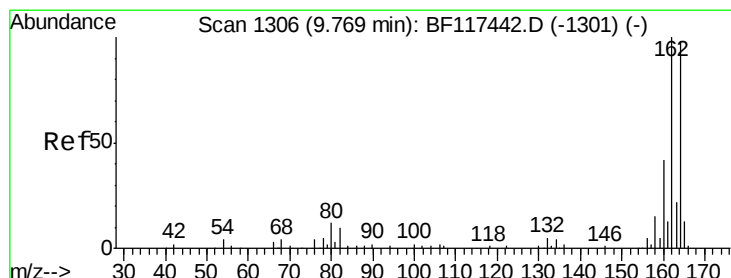
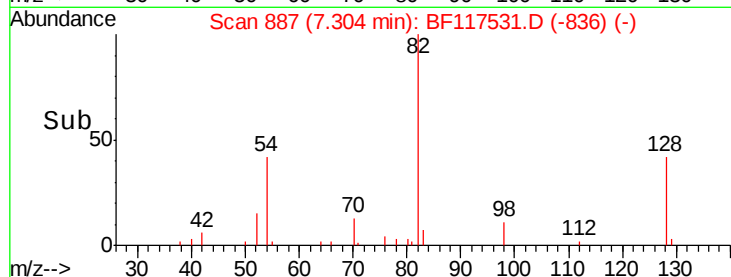
Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

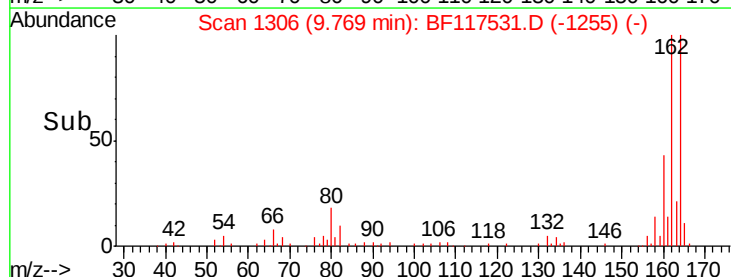
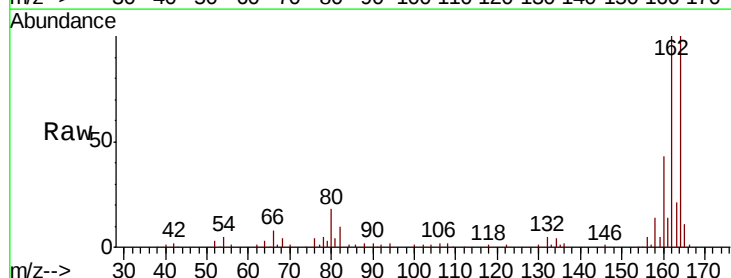
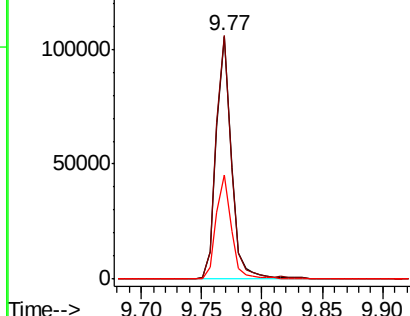
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.8	122.6
160	42.8	34.4	51.6

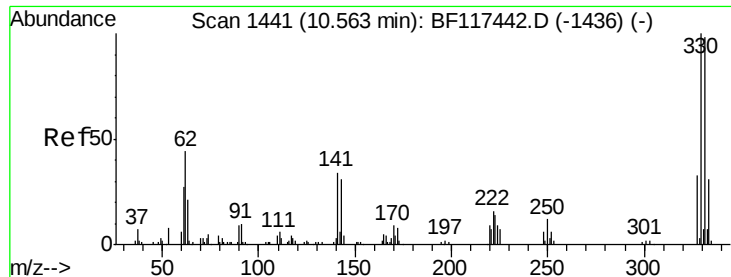
Abundance

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





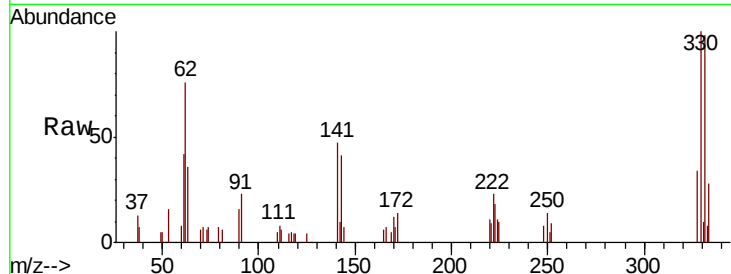
#42
 2,4,6-Tribromophenol
 Concen: 10.757 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: BF117531.D
 Acq: 25 Oct 2019 00:39

Instrument :
 BNA_F
 ClientSampleId :
 196-00-(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.8	78.5	117.7
141	47.6	37.0	55.6

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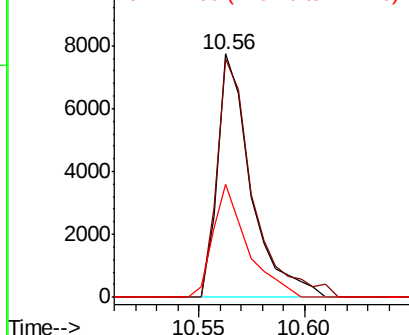


Abundance

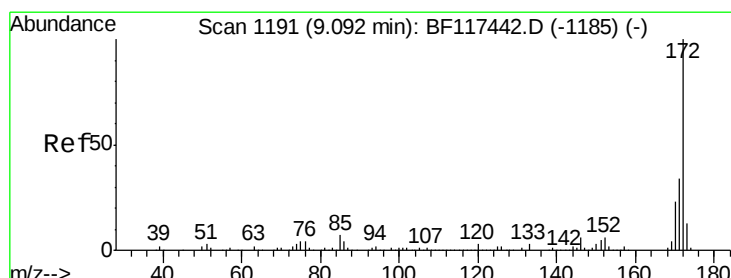
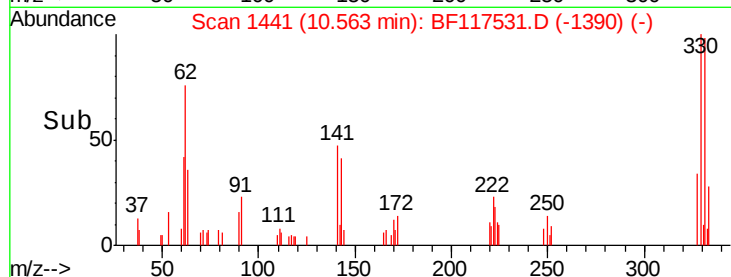
Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

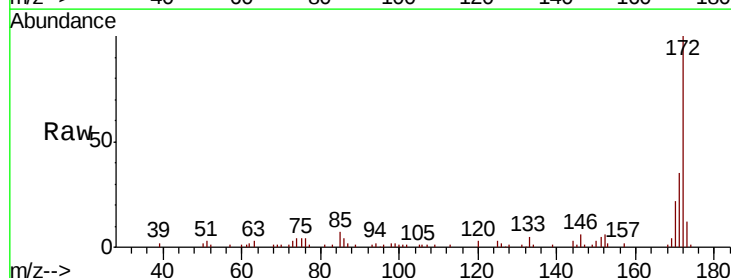


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#45
 2-Fluorobiphenyl
 Concen: 10.391 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117531.D
 Acq: 25 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	22.5	18.6	27.8

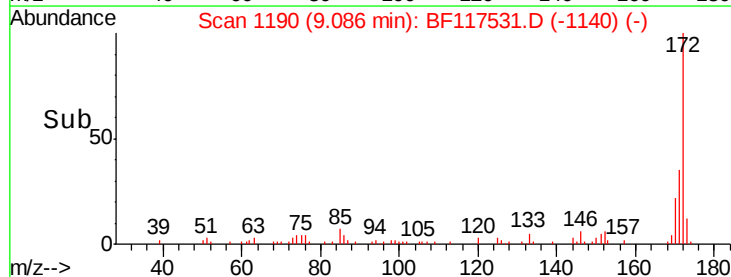
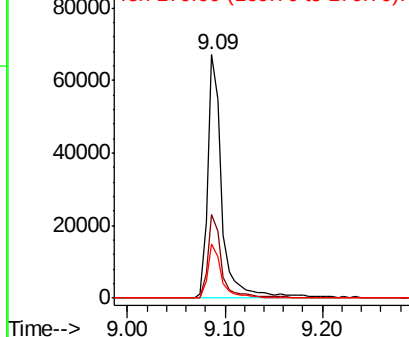


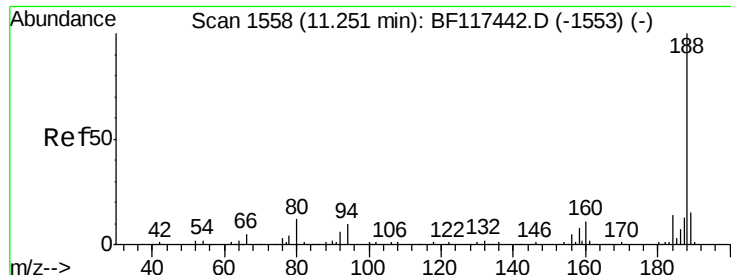
Abundance

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





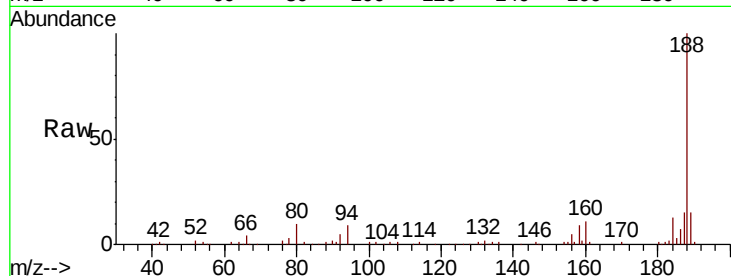
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

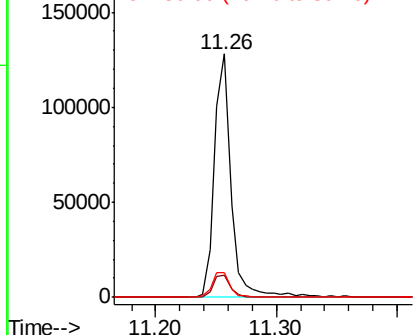
Tot Ion	Ratio	Resp	Lower	Upper
188	100	121321		
94	9.0	8.0	12.0	
80	9.9	9.5	14.3	

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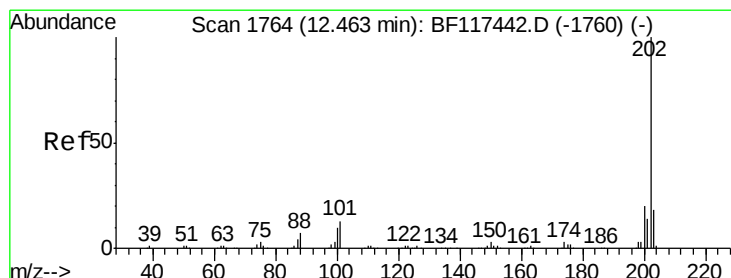
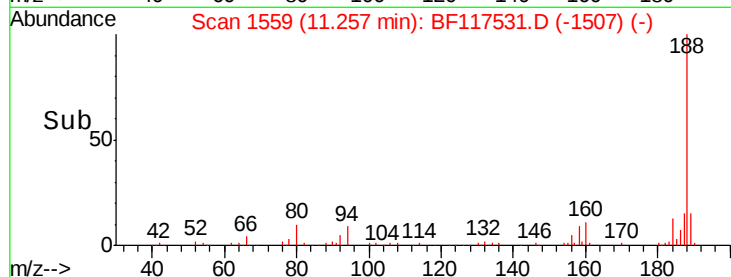
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

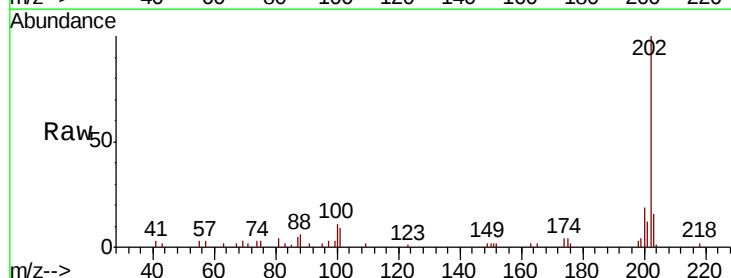


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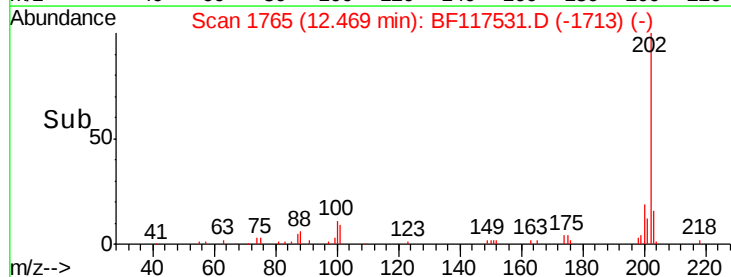
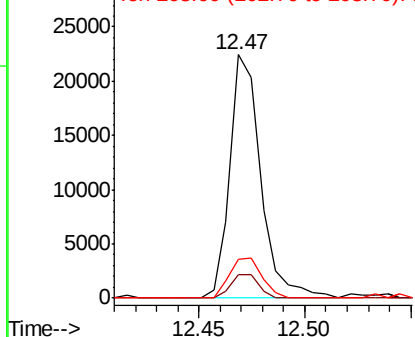


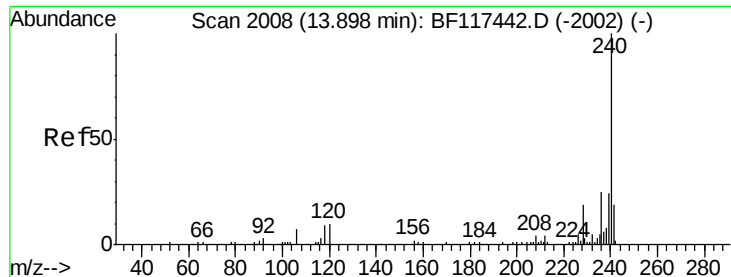
#75
Fluoranthene
Concen: 3.220 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	22711		
101	9.5	0.0	32.7	
203	16.2	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: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF117531.D

Acq: 25 Oct 2019 00:39

Instrument :

BNA_F

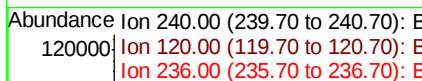
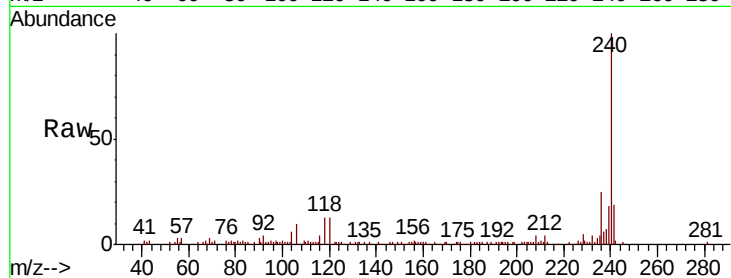
ClientSampleId :

196-00-(0-1)

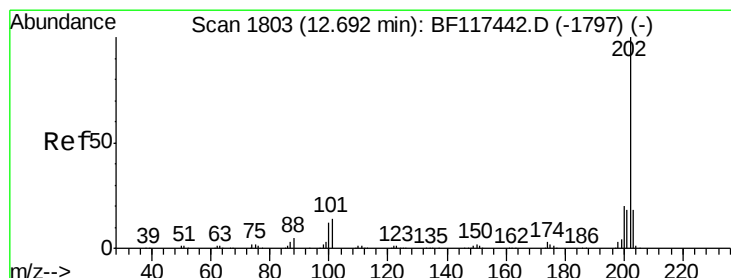
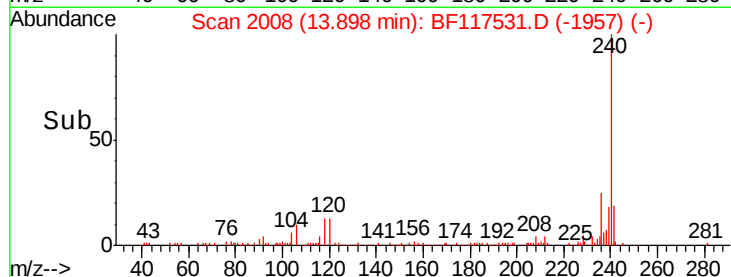
Tot Ion:	240	Resp:	87311
Ion Ratio	Lower	Upper	
240	100		
120	12.9	8.4	12.6#
236	24.8	20.0	30.0

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#78

Pyrene

Concen: 3.179 ng

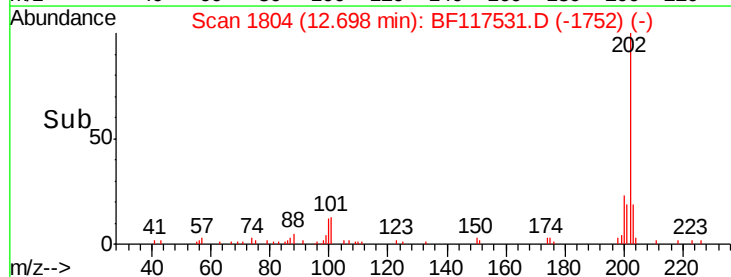
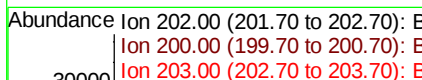
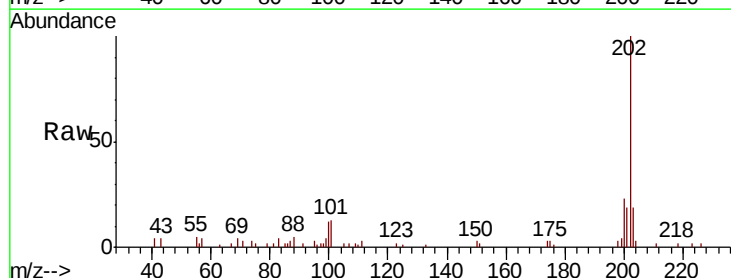
RT: 12.70 min Scan# 1804

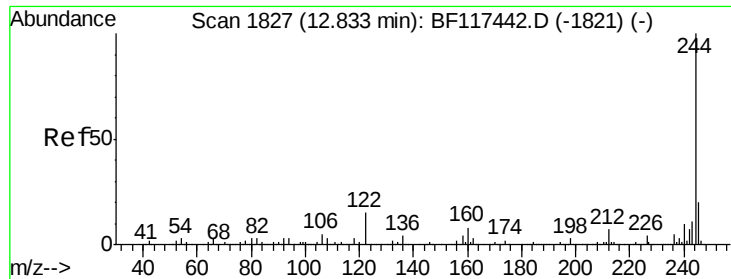
Delta R.T. 0.01 min

Lab File: BF117531.D

Acq: 25 Oct 2019 00:39

Tgt Ion:	202	Resp:	23839
Ion Ratio	Lower	Upper	
202	100		
200	22.8	16.2	24.2
203	18.7	14.0	21.0





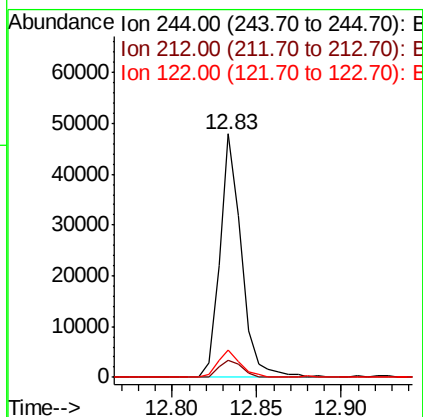
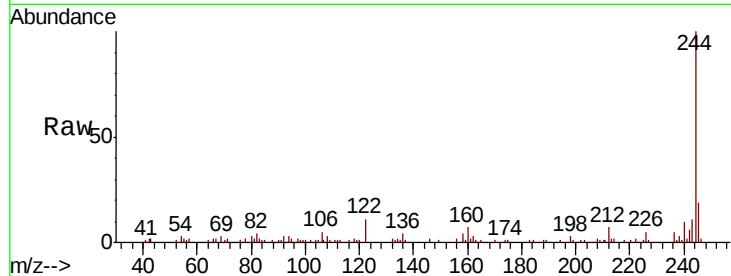
#79
 Terphenyl-d14
 Concen: 7.961 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117531.D
 Acq: 25 Oct 2019 00:39

Instrument :
 BNA_F
 ClientSampleId :
 196-00-(0-1)

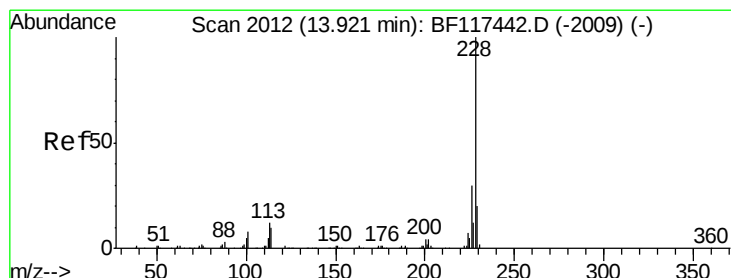
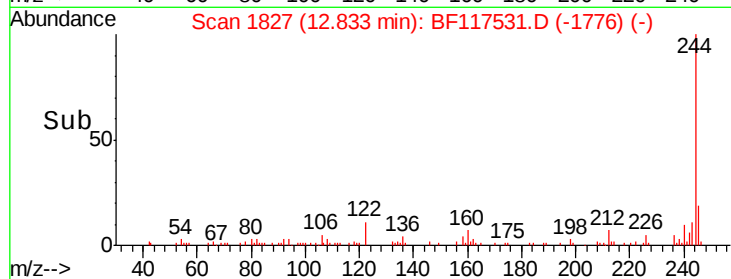
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.4	11.8	17.8

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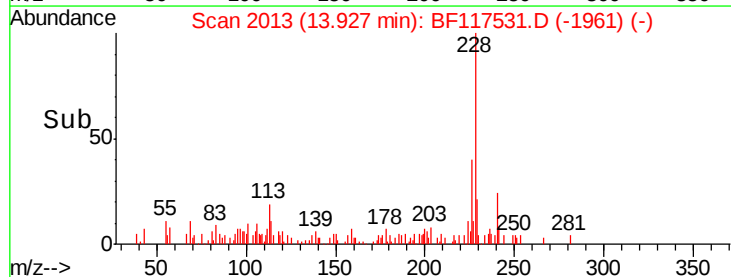
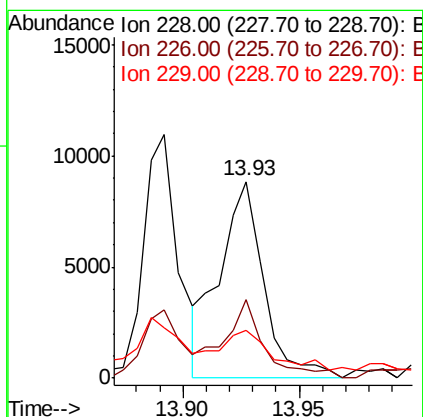
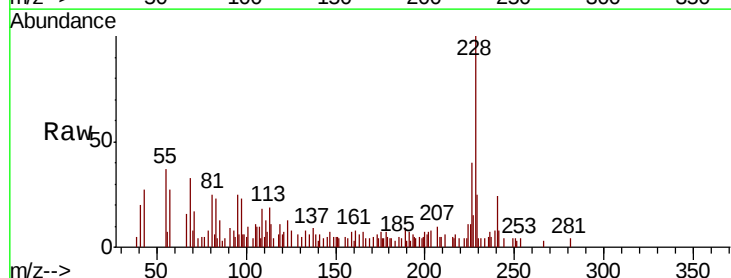


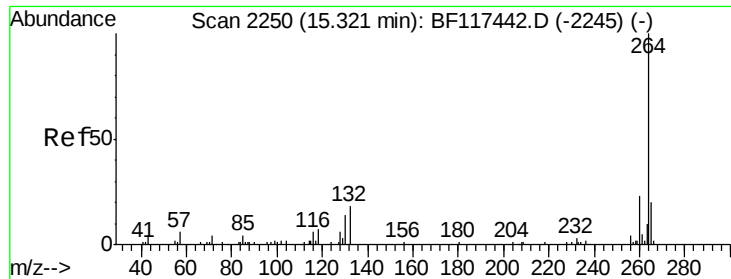
10/26/2019 10:03:36 AM



#83
 Chrysene
 Concen: 2.053 ng m
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF117531.D
 Acq: 25 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.8	23.9	35.9
229	24.6	15.8	23.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117531.D

Acq: 25 Oct 2019 00:39

Instrument :

BNA_F

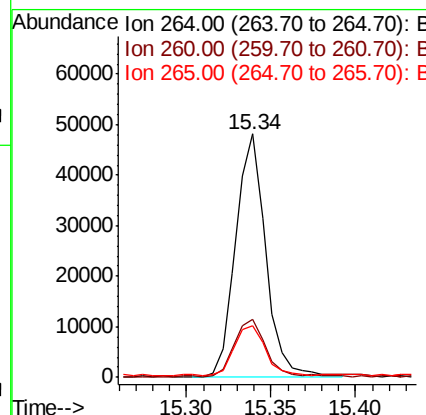
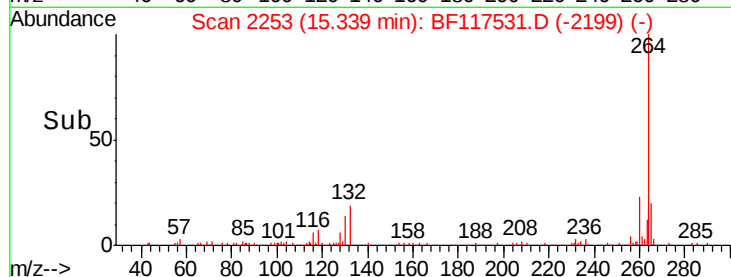
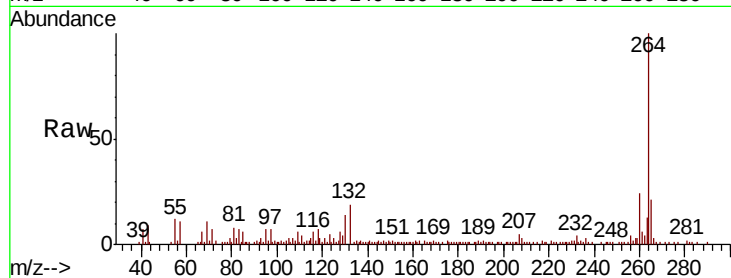
ClientSampleId :

196-00-(0-1)

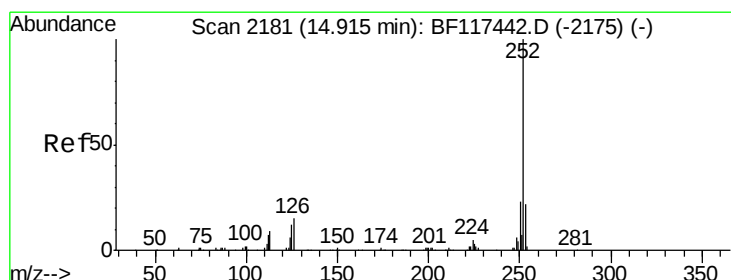
Tot Ion:	264	Resp:	60108
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.4	27.6
265	21.1	16.1	24.1

Manual Integrations
APPROVED

mohammad



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#88

Benzo(b)fluoranthene

Concen: 2.691 ng m

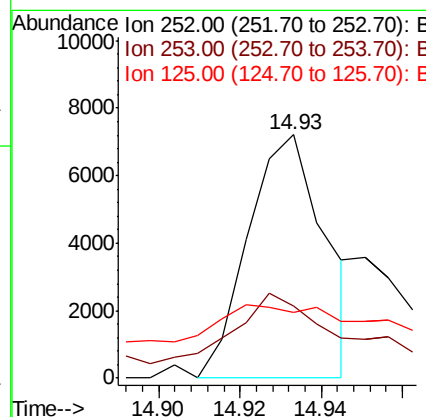
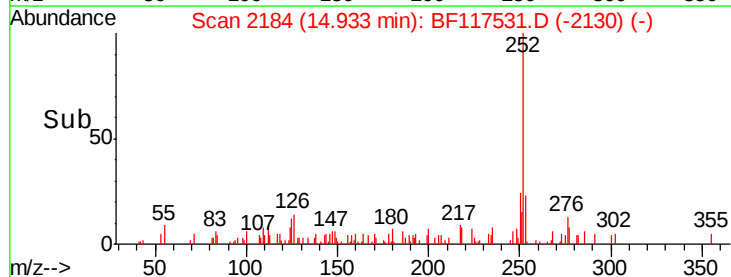
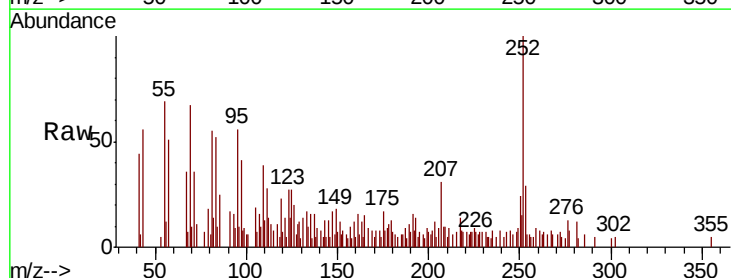
RT: 14.93 min Scan# 2184

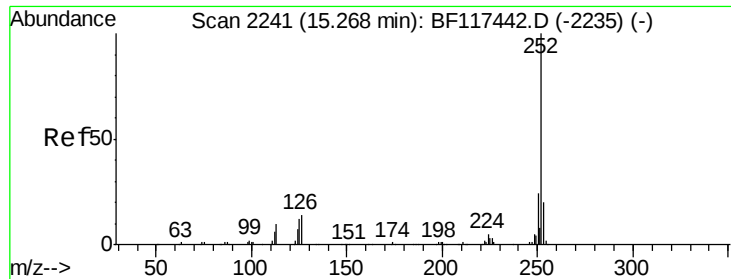
Delta R.T. 0.02 min

Lab File: BF117531.D

Acq: 25 Oct 2019 00:39

Tgt Ion:	252	Resp:	9553
Ion Ratio	Lower	Upper	
252	100		
253	29.5	17.8	26.6#
125	26.9	9.9	14.9#





#90

Benzo(a)pyrene

Concen: 2.311 ng/ml

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF117531.D

Acq: 25 Oct 2019 00:39

Instrument :

BNA_F

ClientSampleId :

196-00-(0-1)

Tot Ion: 252 Resp: 7458
Ion Ratio Lower Upper

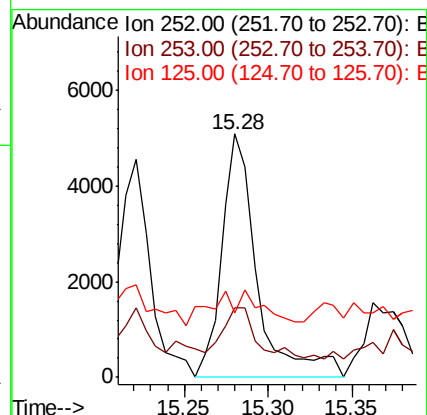
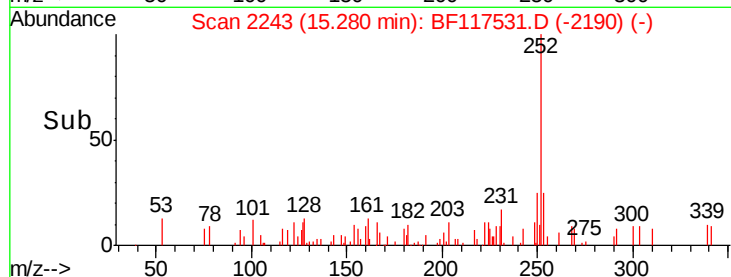
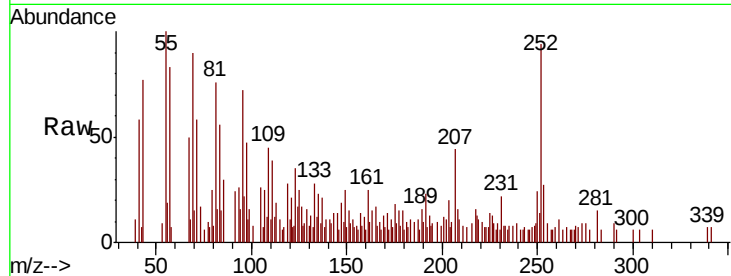
252 100

253 28.6 16.3 24.5#

125 26.6 9.2 13.8#

Manual Integrations
APPROVED

mohammad



10/26/2019 10:03:36 AM