

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117595.D
 Acq On : 29 Oct 2019 17:11
 Operator : JU
 Sample : K5540-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 158-30-(0-1)

Manual Integrations
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 10/30/2019 4:53:08 PM

Quant Time: Nov 07 05:47:10 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	41092	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	148326	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	64507	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	93366	20.00	ng	0.00
76) Chrysene-d12	13.89	240	73046	20.00	ng	0.00
87) Perylene-d12	15.33	264	58411	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	232405	84.14	ng	0.00
7) Phenol-d6	6.39	99	318422	85.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	180679	60.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	39461	70.70	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	205913	44.98	ng	-0.01
79) Terphenyl-d14	12.83	244	154832	34.57	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	12876	3.401	ng	95
50) Dimethylphthalate	9.48	163	29421	6.398	ng	97
71) Phenanthrene	11.27	178	111410	20.550	ng	98
72) Anthracene	11.33	178	24105	4.333	ng	96
75) Fluoranthene	12.46	202	169593	31.248	ng	99
78) Pyrene	12.69	202	146949	23.421	ng	99
81) Benzo(a)anthracene	13.89	228	70258	14.259	ng	99
83) Chrysene	13.92	228	62307	12.903	ng	97
86) Indeno(1,2,3-cd)pyrene	16.75	276	21960	6.091	ng	96
88) Benzo(b)fluoranthene	14.92	252	61509m	17.833	ng	
89) Benzo(k)fluoranthene	14.94	252	20734m	5.865	ng	
90) Benzo(a)pyrene	15.27	252	42873	13.671	ng	95
92) Benzo(a,h,i)perylene	17.18	276	19207	7.486	ng	93

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

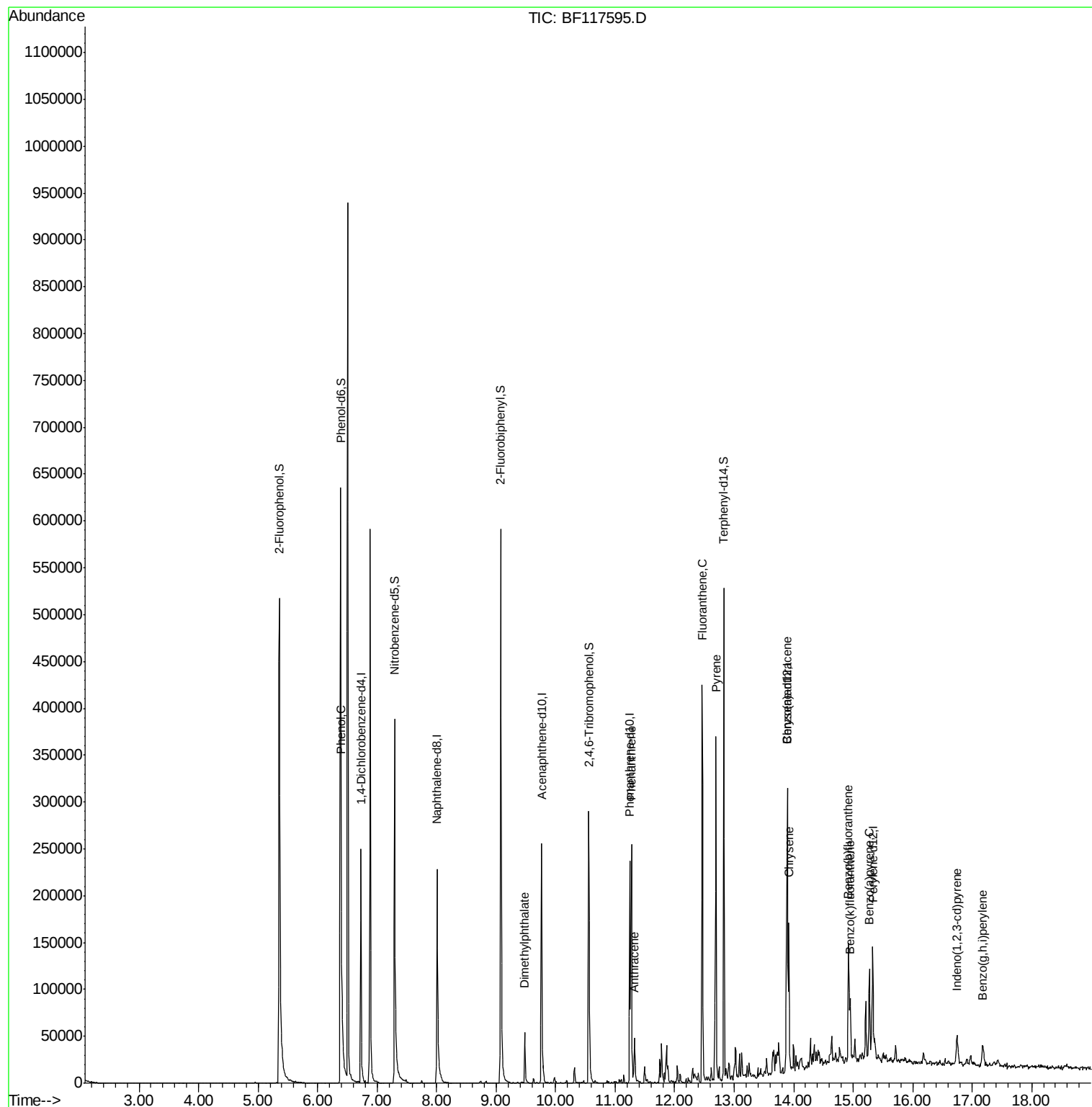
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117595.D
Acq On : 29 Oct 2019 17:11
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Quant Time: Nov 07 05:47:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

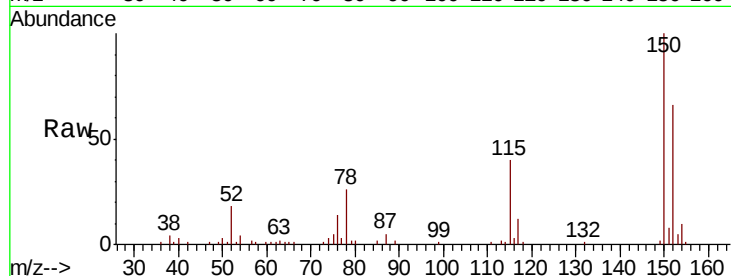
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	126.8	190.2
115	60.4	51.6	77.4

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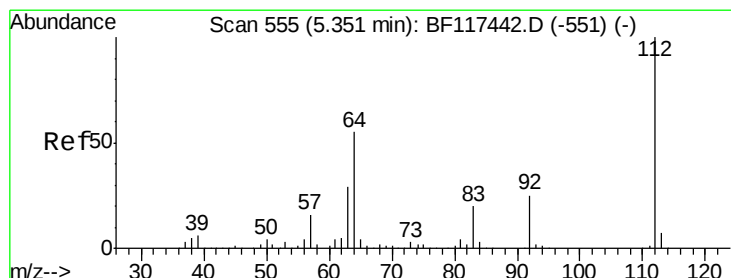
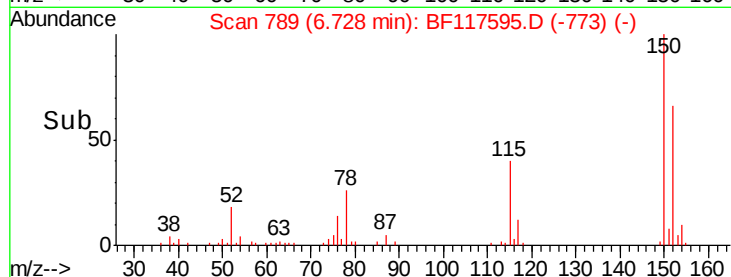
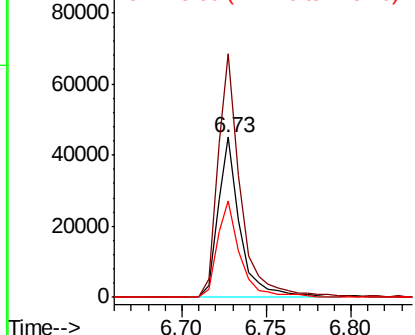


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

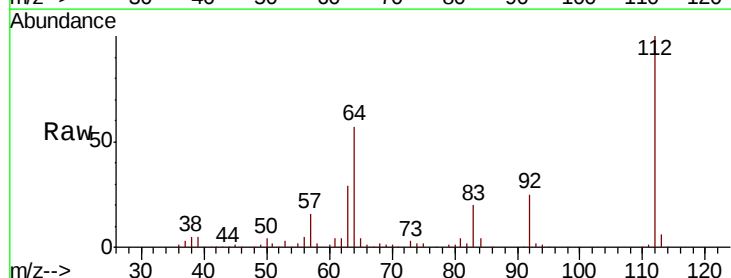
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.140 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.1	66.1
63	29.2	23.4	35.2

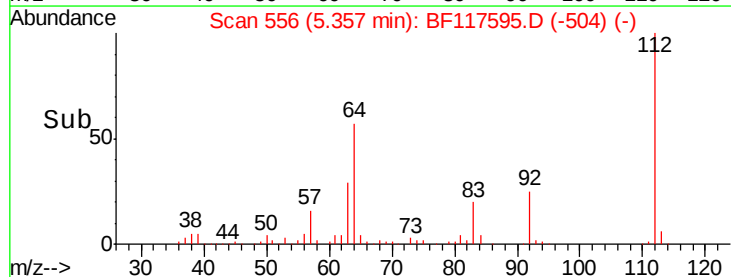
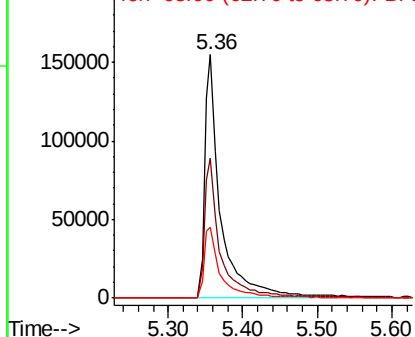


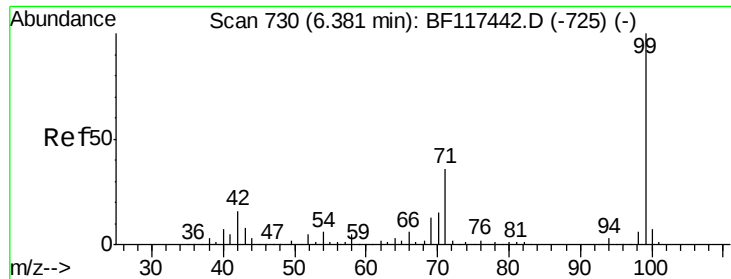
Abundance

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: 85.832 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

Instrument :

BNA_F

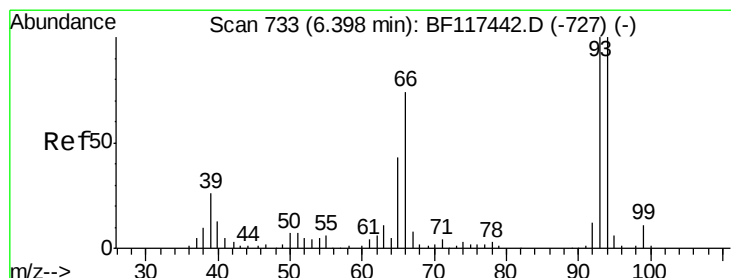
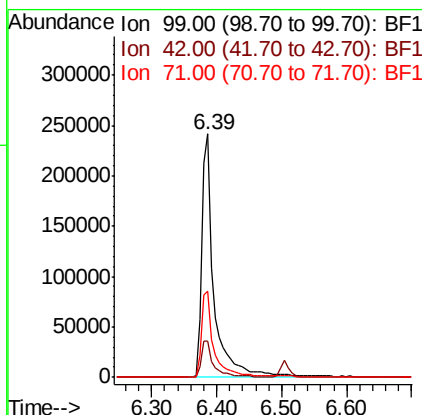
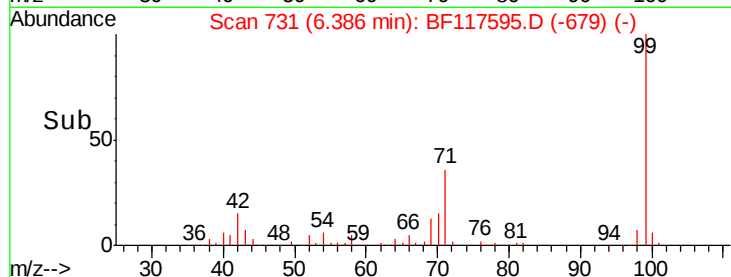
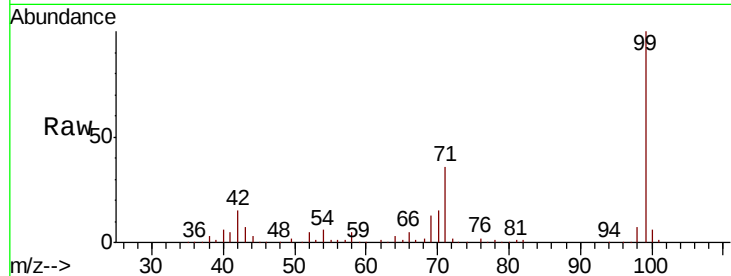
ClientSampleId :

158-30-(0-1)

Tot Ion:	99	Resp:	318422
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.8	19.2
71	35.6	28.6	43.0

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#10

Phenol

Concen: 3.401 ng

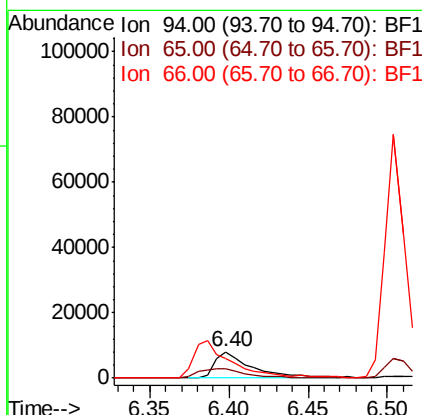
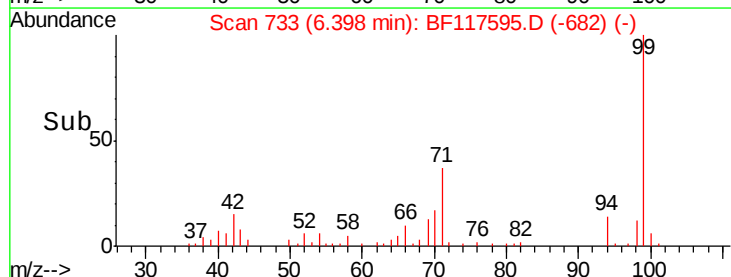
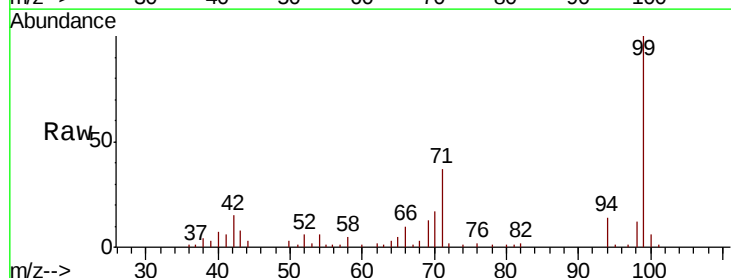
RT: 6.40 min Scan# 733

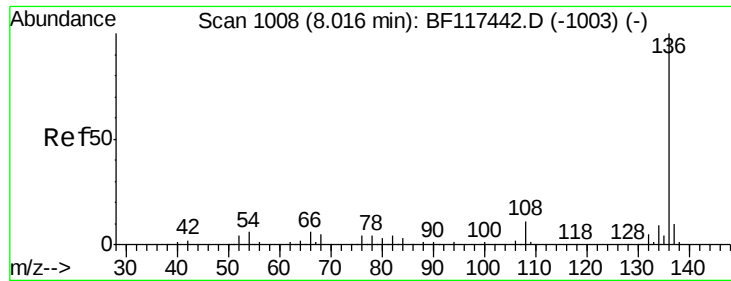
Delta R.T. -0.00 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

Tgt Ion:	94	Resp:	12876
Ion	Ratio	Lower	Upper
94	100		
65	34.2	23.4	63.4
66	74.7	54.7	94.7





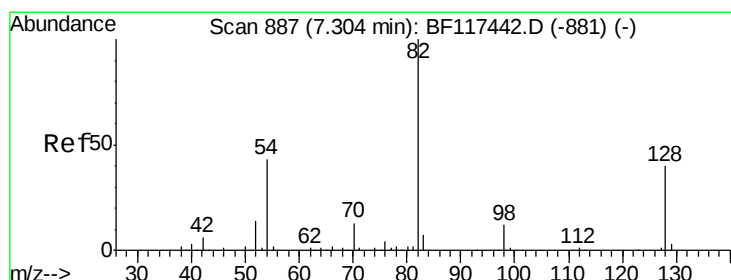
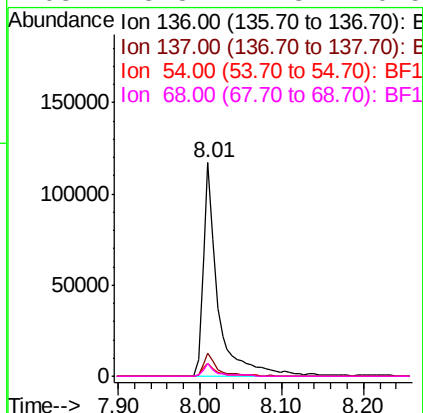
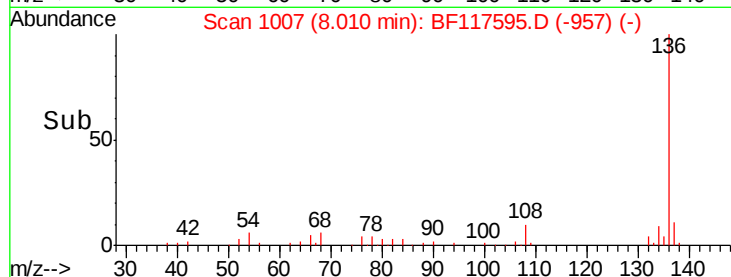
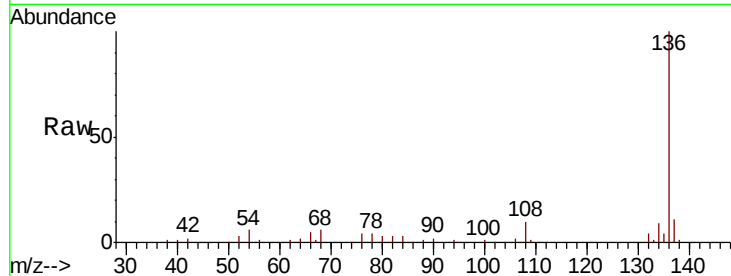
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		148326		
137	11.0	8.2	12.4		
54	6.1	4.5	6.7		
68	5.8	4.3	6.5		

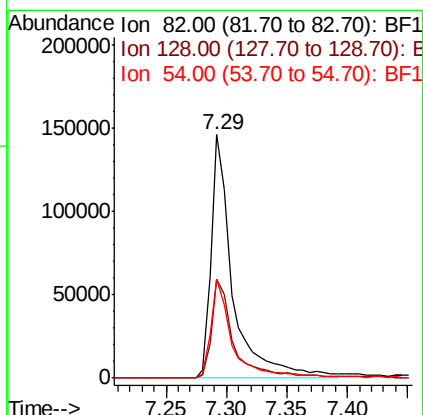
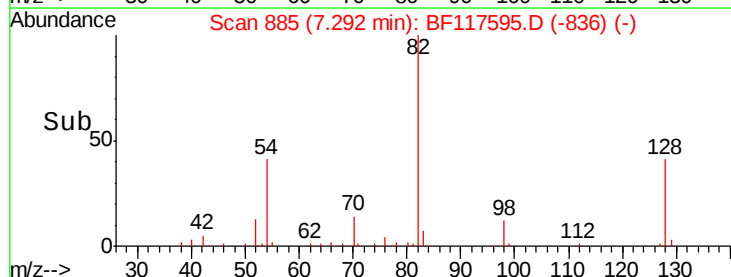
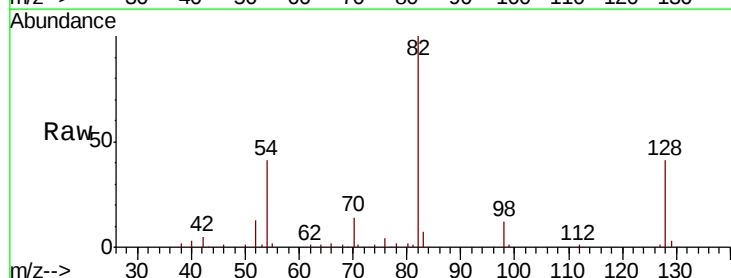
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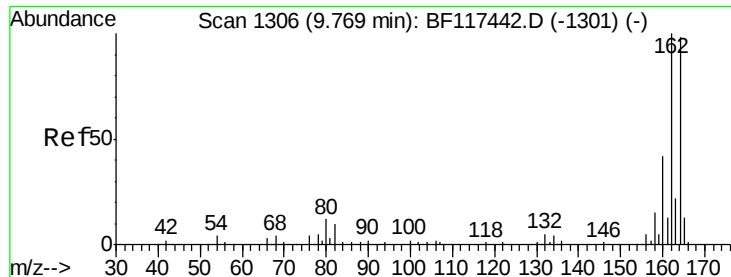
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#23
Nitrobenzene-d5
Concen: 60.136 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		180679		
128	40.7	32.2	48.2		
54	40.9	34.2	51.2		





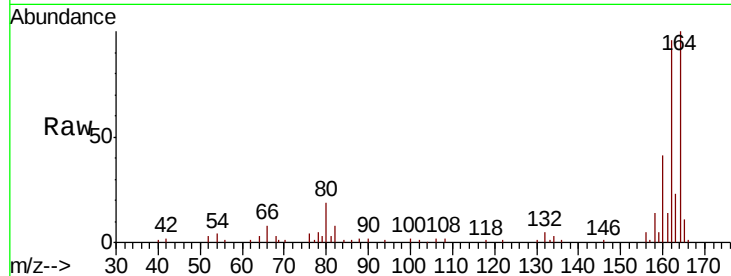
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.1	81.8	122.6
160	41.5	34.4	51.6

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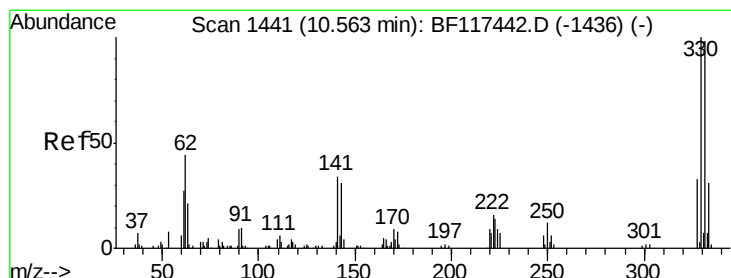
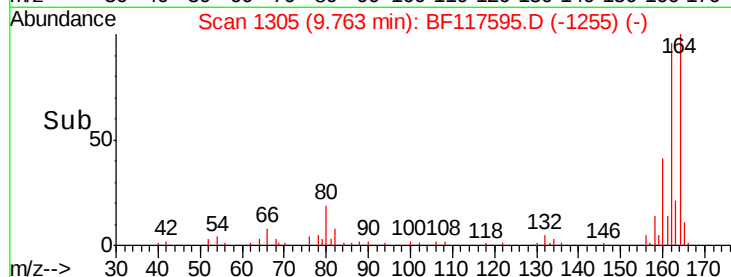
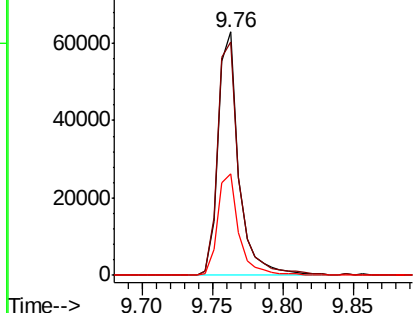


Abundance

Ion 164.00 (163.70 to 164.70): E

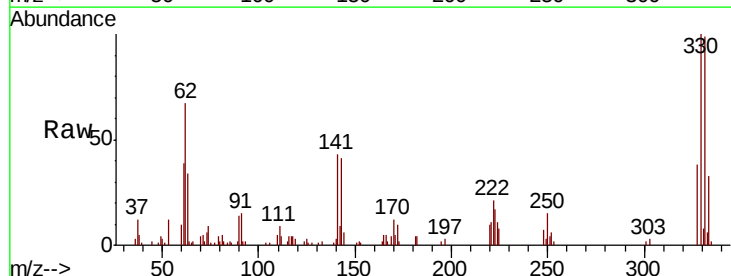
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 70.699 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.5	117.7
141	44.1	37.0	55.6

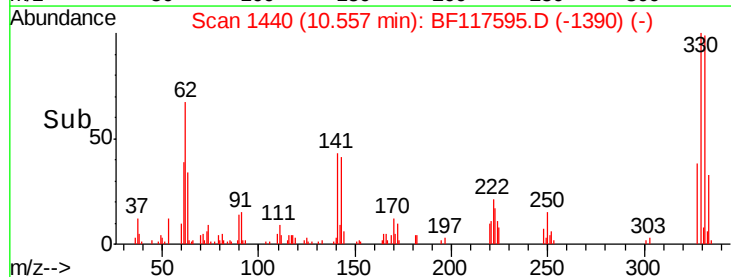
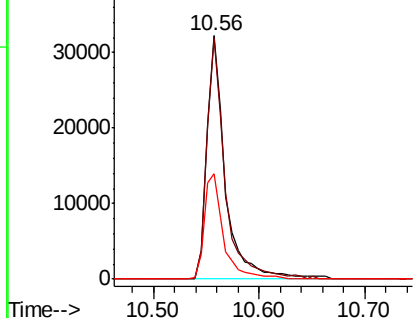


Abundance

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





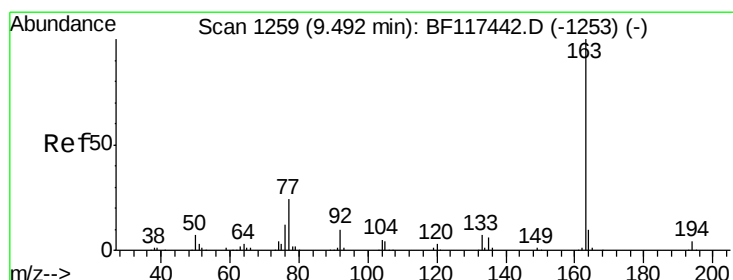
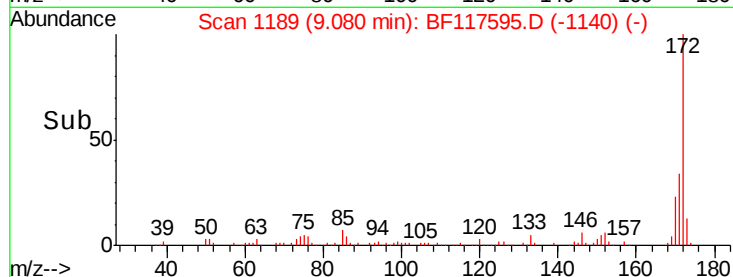
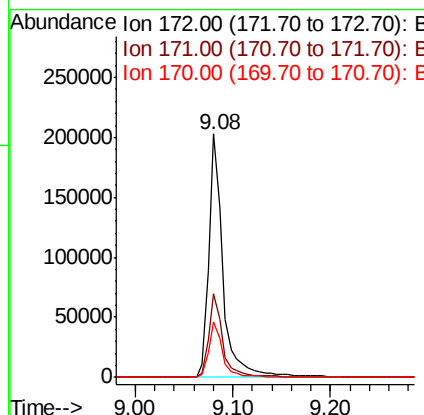
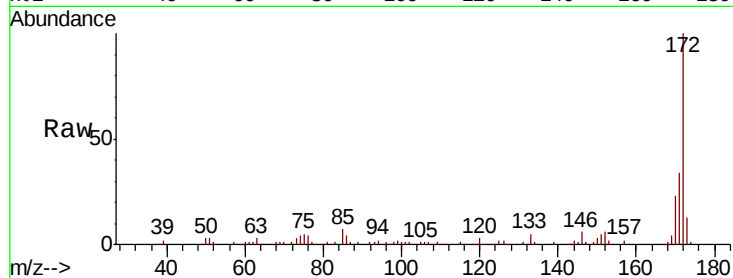
#45
2-Fluorobiphenyl
Concen: 44.976 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.5	41.3
170	22.5	18.6	27.8

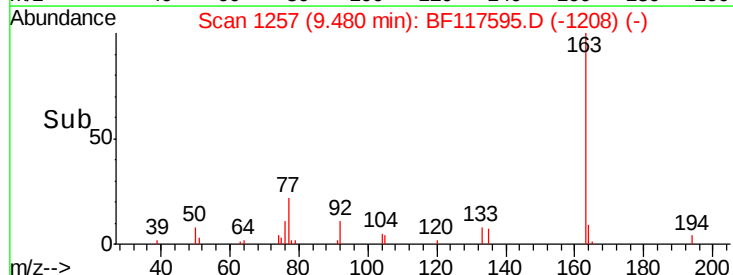
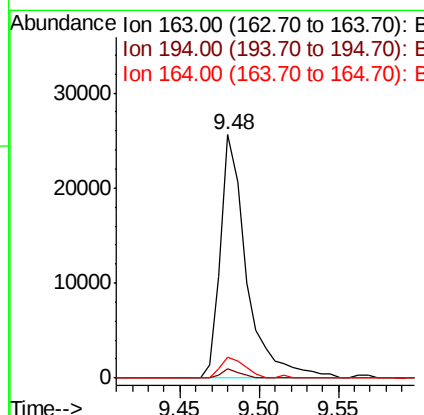
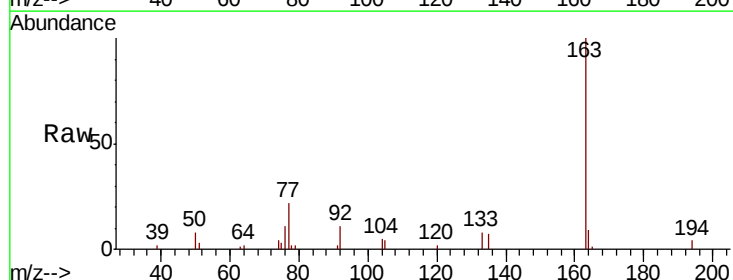
Manual Integrations
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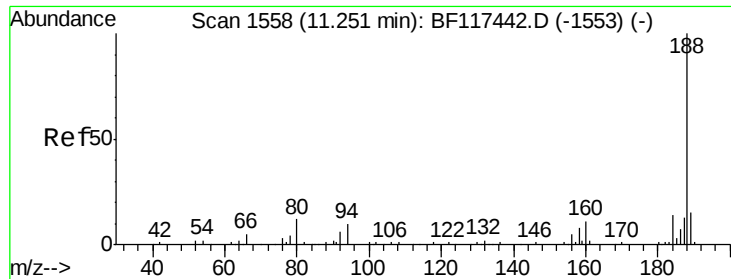
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#50
Dimethylphthalate
Concen: 6.398 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	8.8	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: BF117595.D

Acq: 29 Oct 2019 17:11

Instrument :

BNA_F

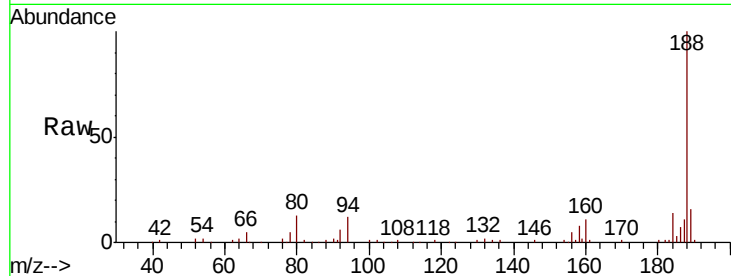
ClientSampleId :

158-30-(0-1)

Tot Ion:	188	Resp:	93366
Ion Ratio	Lower	Upper	
188	100		
94	11.8	8.0	12.0
80	13.1	9.5	14.3

Manual Integrations
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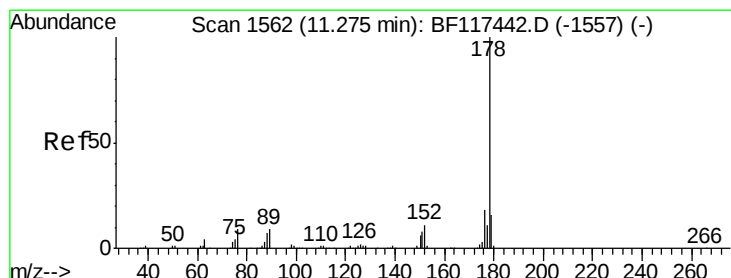
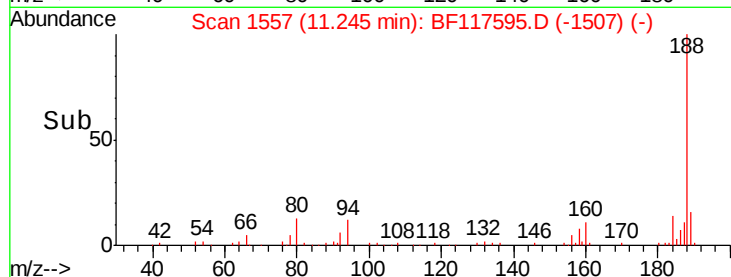
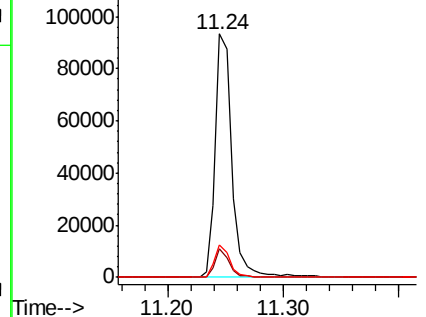
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 20.550 ng

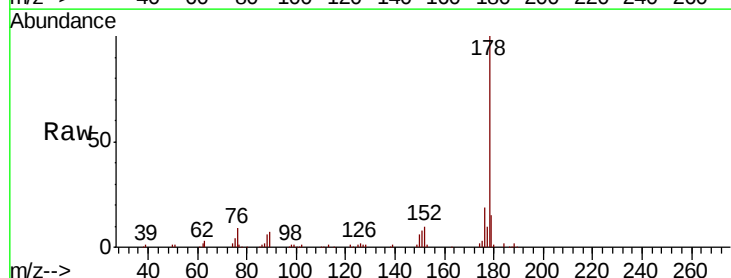
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

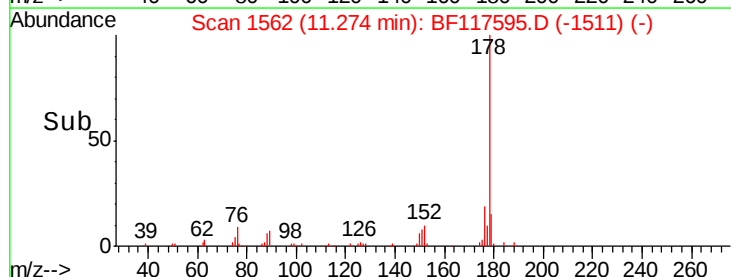
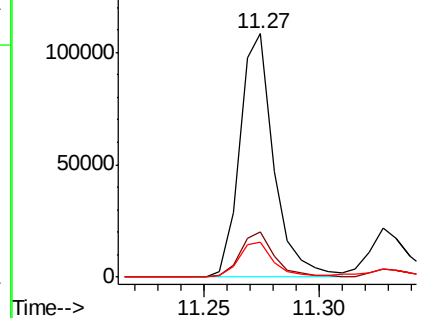
Tgt Ion:	178	Resp:	111410
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.6	22.0
179	14.6	12.6	19.0

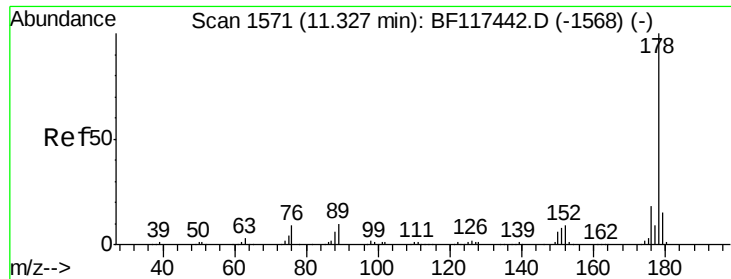


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.333 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

Instrument :

BNA_F

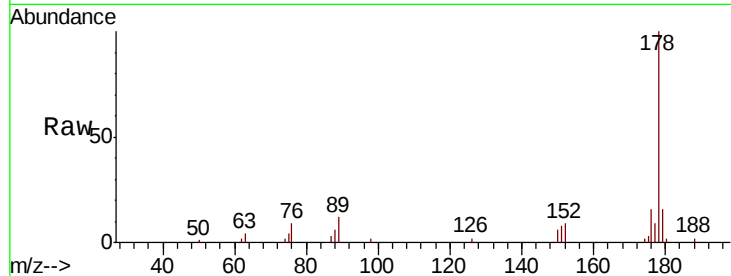
ClientSampleId :

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Tot Ion:	178	Resp:	24105
Ion Ratio	Lower	Upper	
178	100		
176	16.0	14.7	22.1
179	16.3	12.2	18.2

Manual Integrations
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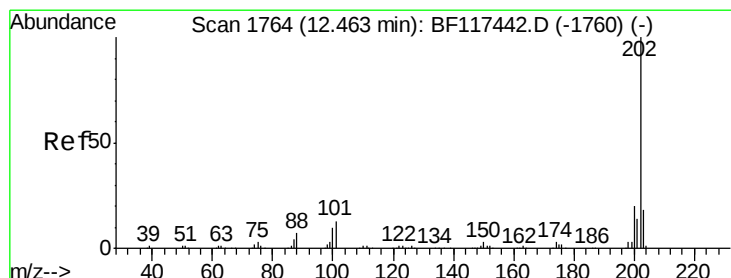
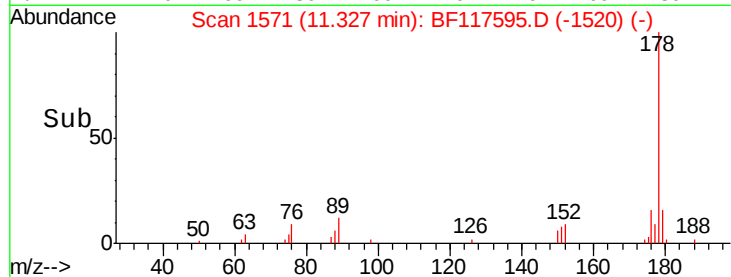
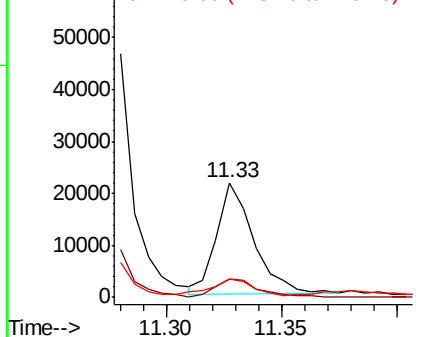


Abundance

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: 31.248 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

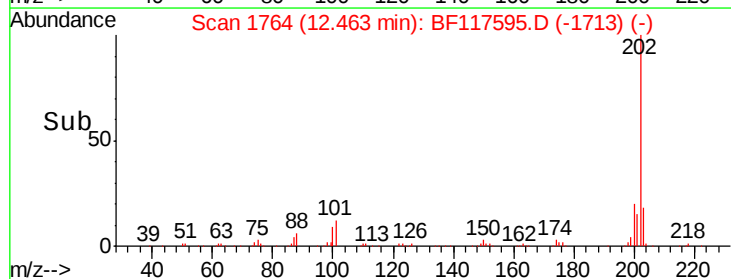
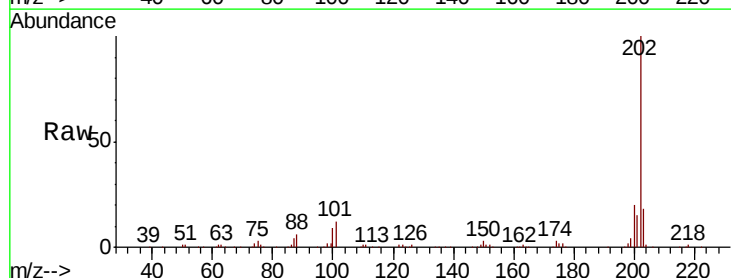
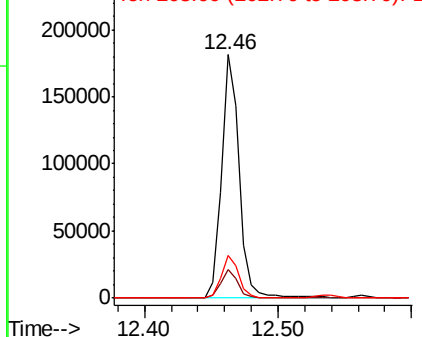
Tgt Ion:	202	Resp:	169593
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	32.7
203	17.6	0.0	37.6

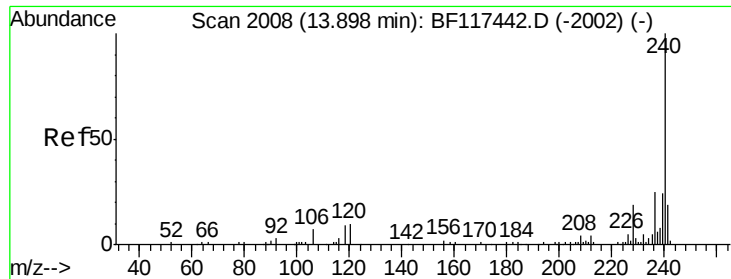
Abundance

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





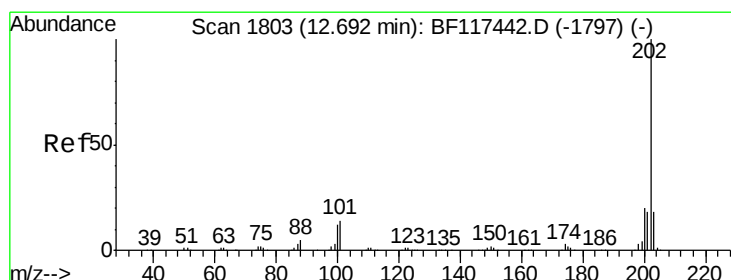
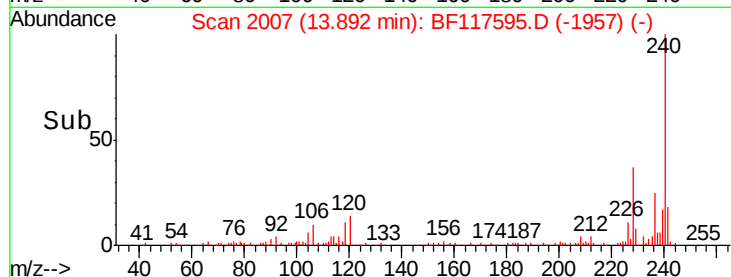
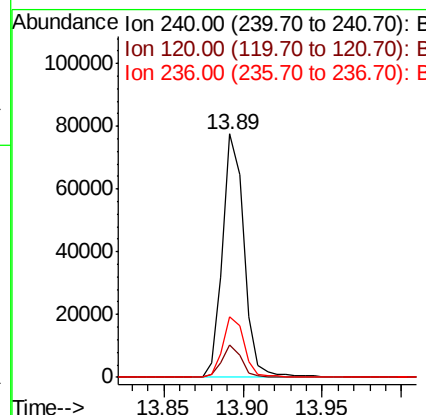
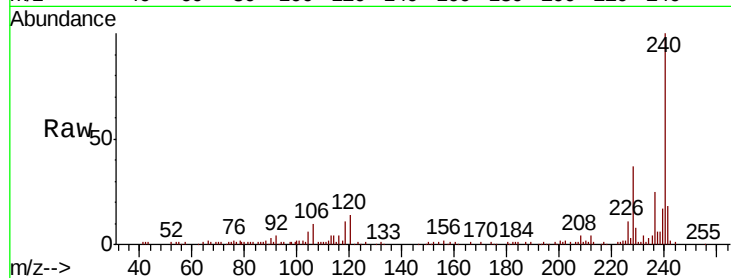
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	8.4	12.6#
236	24.7	20.0	30.0

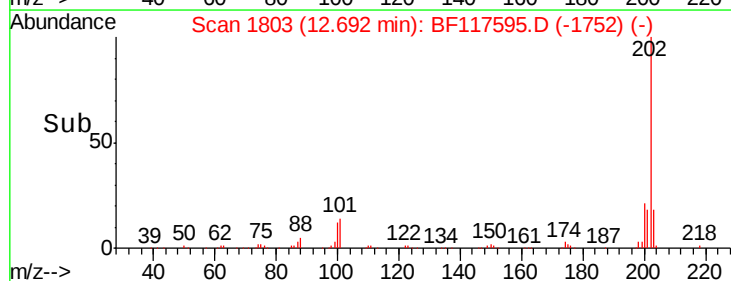
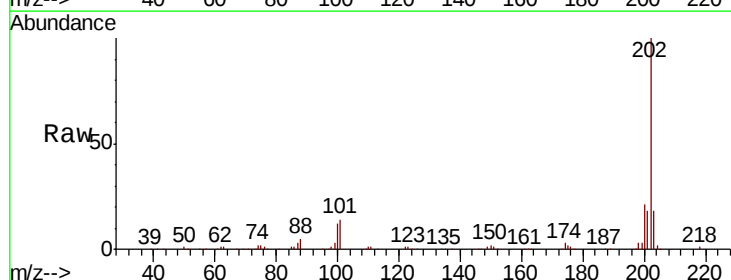
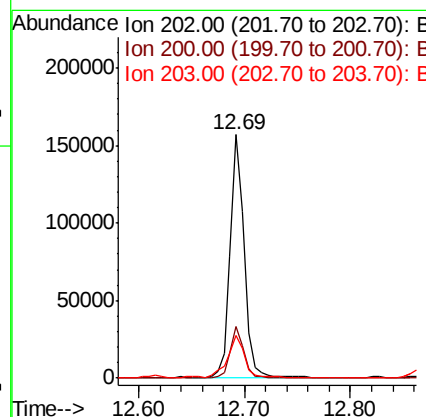
Manual Integrations
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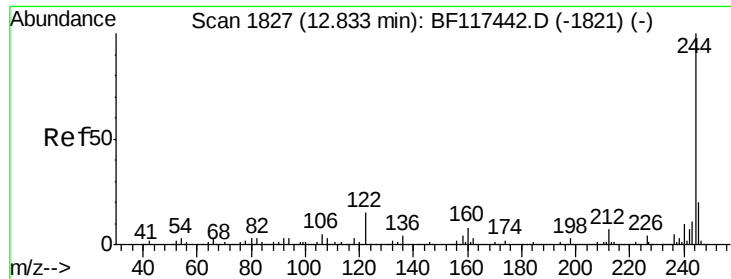
mohammad
10/30/2019 4:53:08 PM



#78
Pyrene
Concen: 23.421 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.2	24.2
203	17.7	14.0	21.0





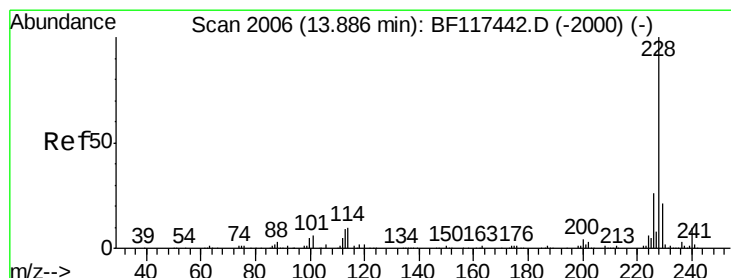
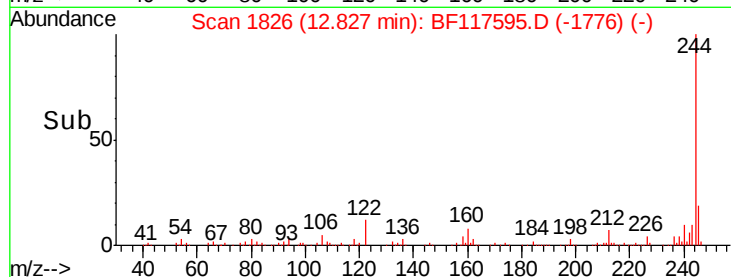
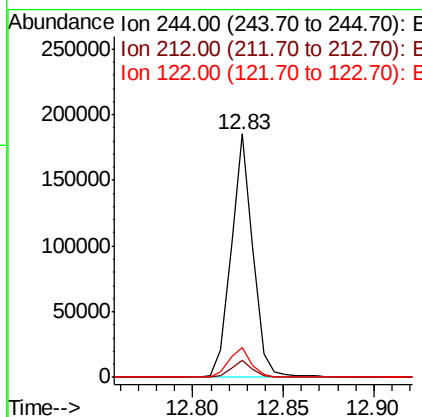
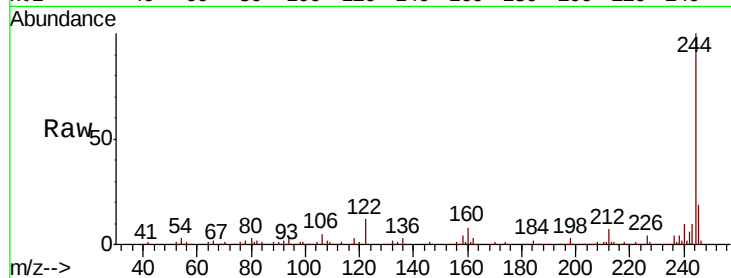
#79
 Terphenyl-d14
 Concen: 34.574 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Instrument :
 BNA_F
 ClientSampleId :
 158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.1	11.8	17.8

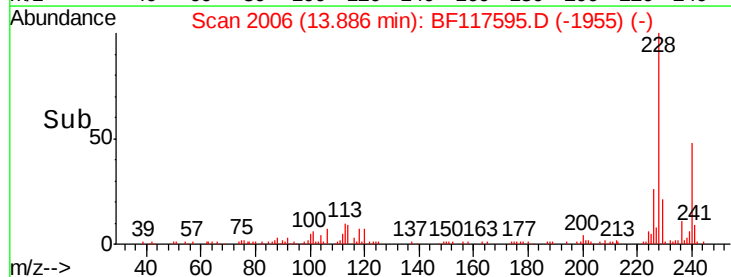
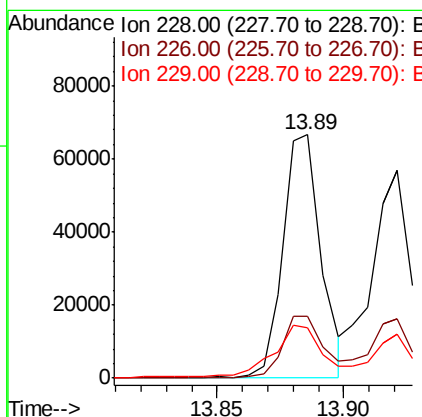
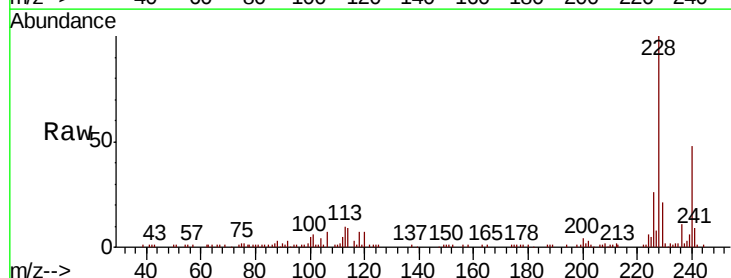
Manual Integrations
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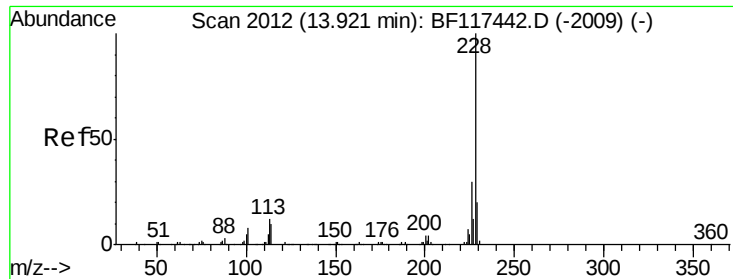
mohammad
 10/30/2019 4:53:08 PM



#81
 Benzo(a)anthracene
 Concen: 14.259 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.0	31.4
229	20.7	16.4	24.6





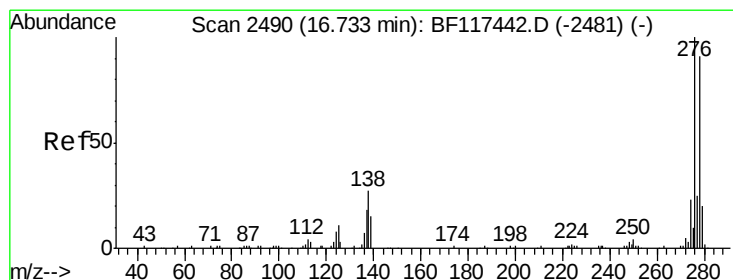
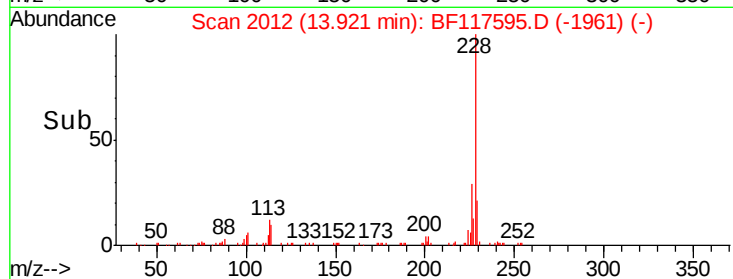
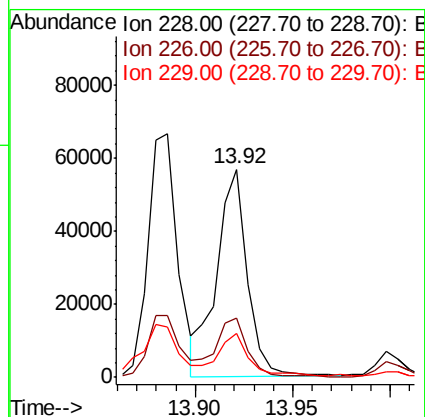
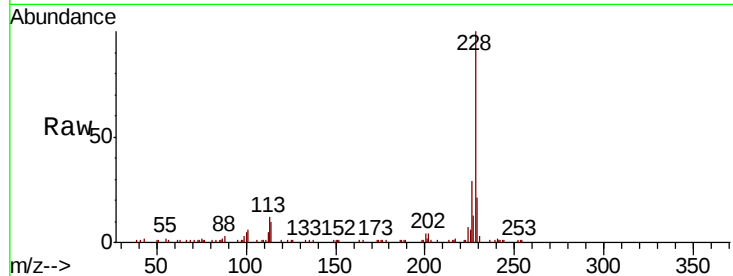
#83
Chrysene
Concen: 12.903 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.9	35.9
229	21.0	15.8	23.6

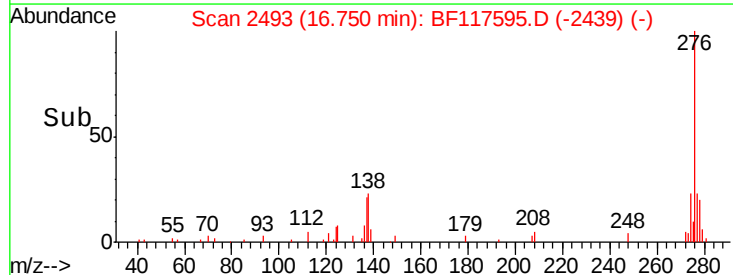
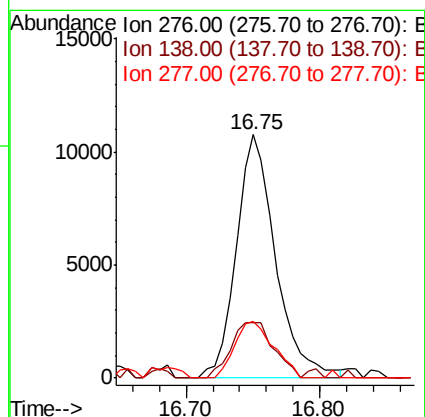
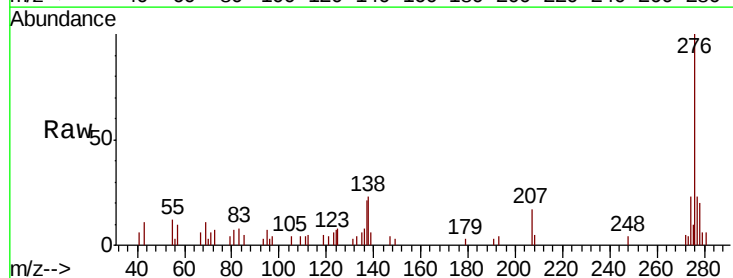
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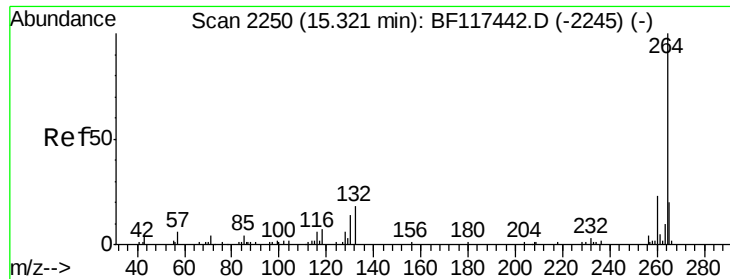
mohammad
10/30/2019 4:53:08 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.091 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	21.8	32.8
277	23.2	20.0	30.0





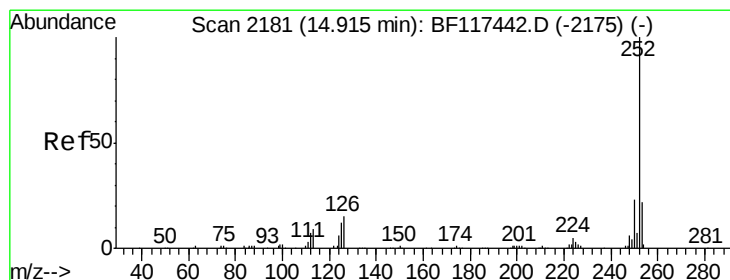
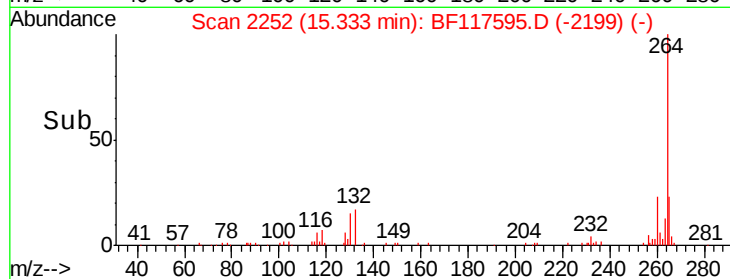
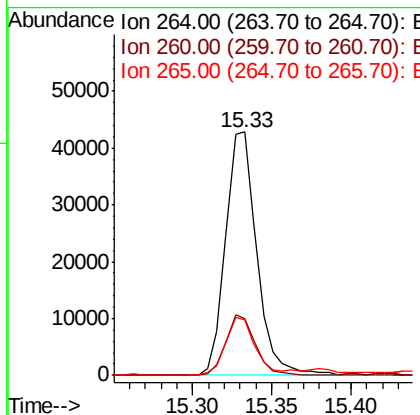
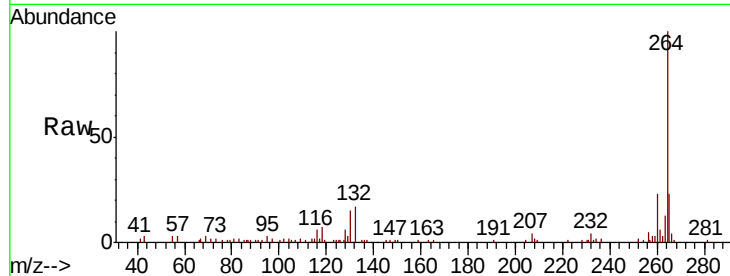
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	22.5	16.1	24.1

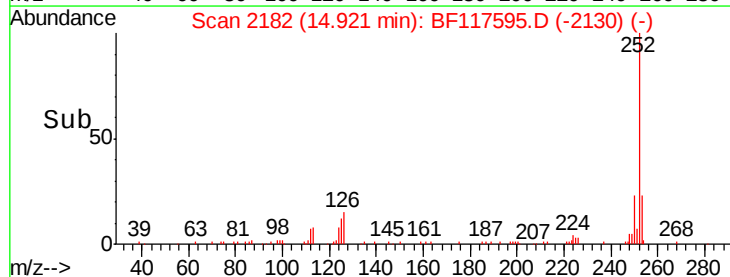
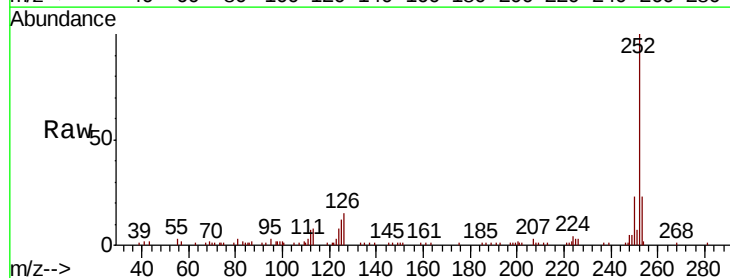
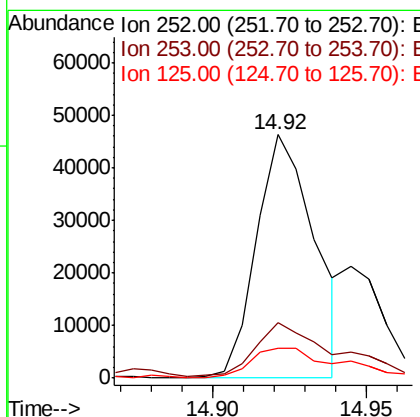
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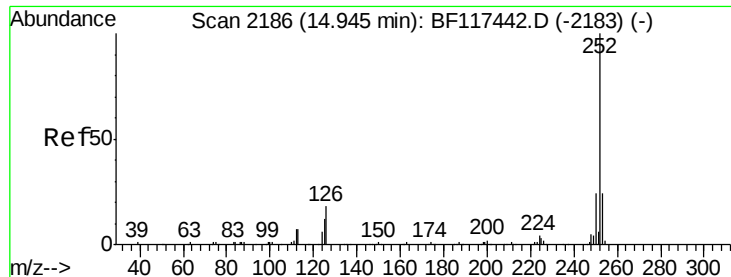
mohammad
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#88
Benzo(b)fluoranthene
Concen: 17.833 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.5	9.9	14.9





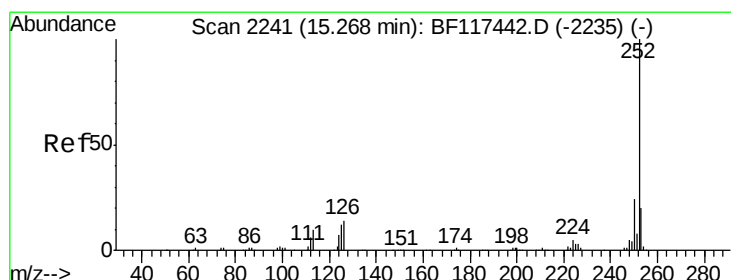
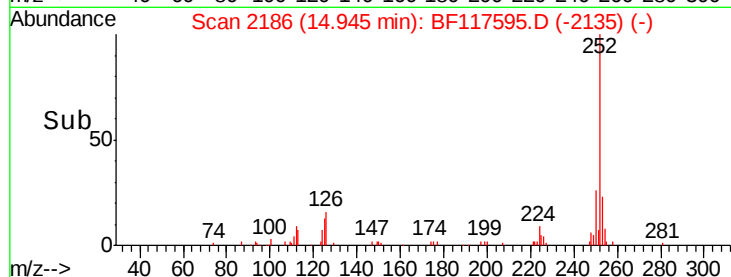
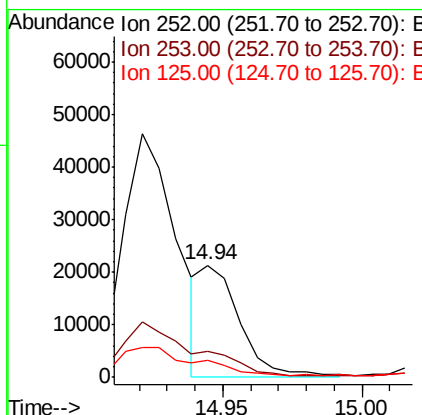
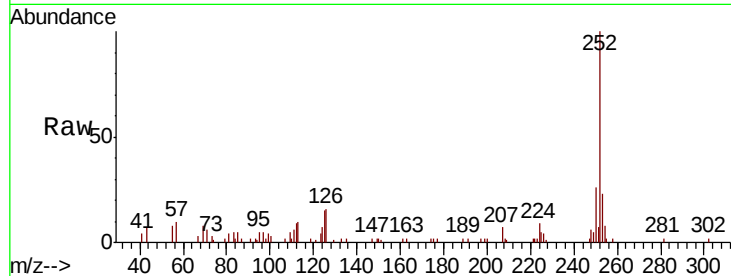
#89
Benzo(k)fluoranthene
Concen: 5.865 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :
158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	14.8	8.9	13.3

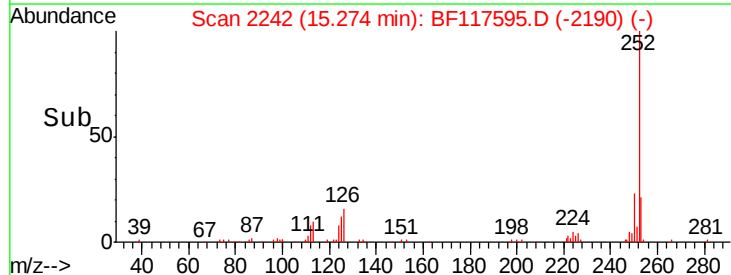
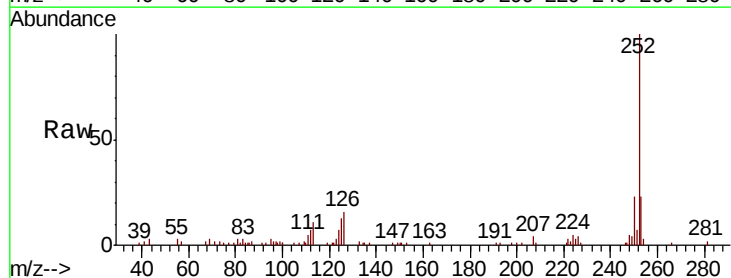
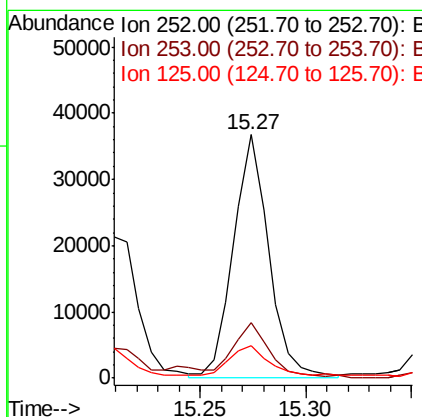
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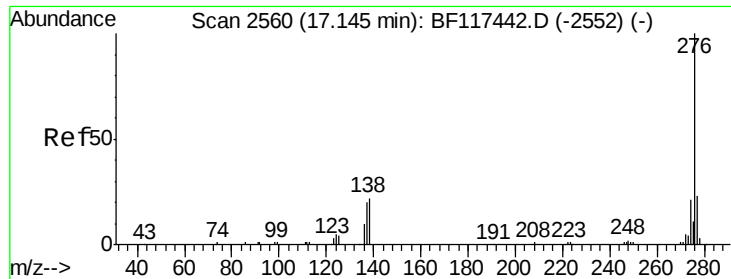
mohammad
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#90
Benzo(a)pyrene
Concen: 13.671 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.3	24.5
125	13.1	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 7.486 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Instrument :
 BNA_F
 ClientSampleId :
 158-30-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.4	27.6
138	26.4	17.8	26.6

Manual Integrations
 APPROVED

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