

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117618.D
 Acq On : 30 Oct 2019 12:26
 Operator : JU
 Sample : K5540-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 157-14-(0-1.6)

Manual Integrations
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 10/31/2019 3:10:30 PM

Quant Time: Oct 31 01:56:40 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	34111	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	136163	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	66684	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	94531	20.00	ng	0.00
76) Chrysene-d12	13.89	240	77290	20.00	ng	0.00
87) Perylene-d12	15.33	264	80572	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	191003	83.30	ng	0.00
7) Phenol-d6	6.38	99	266492	86.54	ng	0.00
23) Nitrobenzene-d5	7.29	82	177208	64.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	42559	73.76	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	217958	46.05	ng	-0.01
79) Terphenyl-d14	12.83	244	143849	30.36	ng	0.00
Target Compounds						
10) Phenol	6.40	94	9584	3.049	ng	91
50) Dimethylphthalate	9.48	163	31865	6.703	ng	# 98
71) Phenanthrene	11.27	178	45970	8.375	ng	99
75) Fluoranthene	12.46	202	63396	11.537	ng	99
78) Pyrene	12.69	202	64766	9.756	ng	99
81) Benzo(a)anthracene	13.88	228	29536	5.665	ng	97
83) Chrysene	13.92	228	29442	5.762	ng	97
86) Indeno(1,2,3-cd)pyrene	16.76	276	12458	3.266	ng	# 94
88) Benzo(b)fluoranthene	14.92	252	29806m	6.265	ng	
89) Benzo(k)fluoranthene	14.95	252	12011m	2.463	ng	
90) Benzo(a)pyrene	15.27	252	23798	5.501	ng	# 95
92) Benzo(a,h,i)perylene	17.19	276	11090	3.134	ng	# 90

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

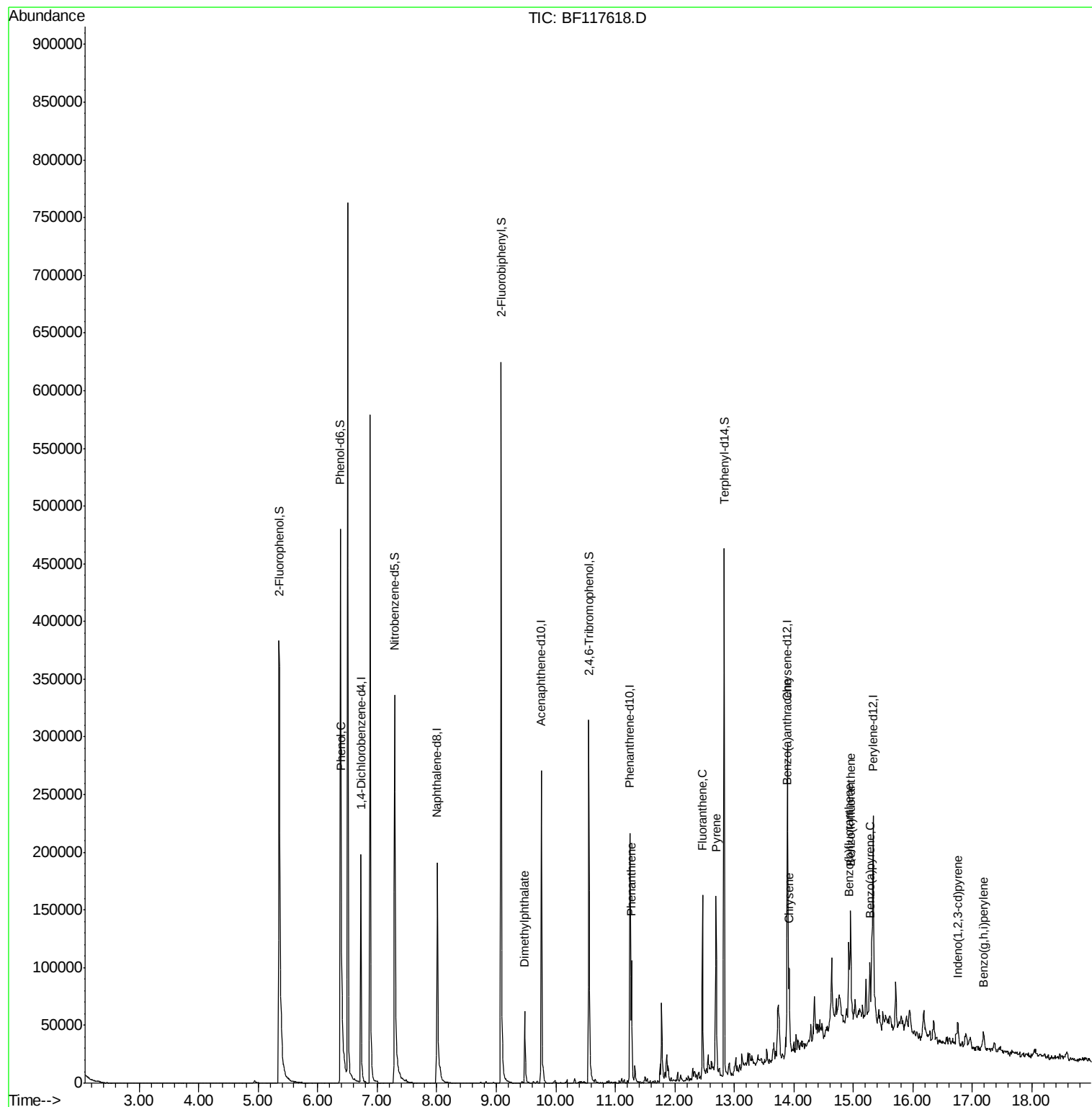
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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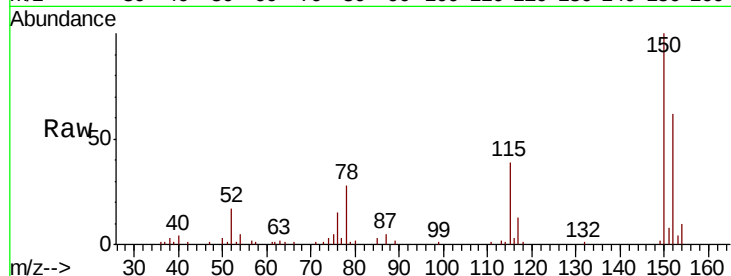
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

Instrument :
 BNA_F
 ClientSampleId :
 157-14-(0-1.6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	126.8	190.2
115	62.4	51.6	77.4

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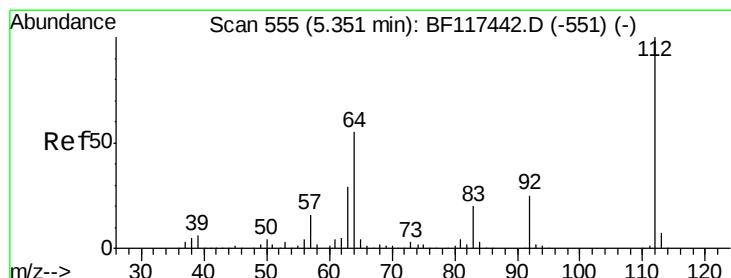
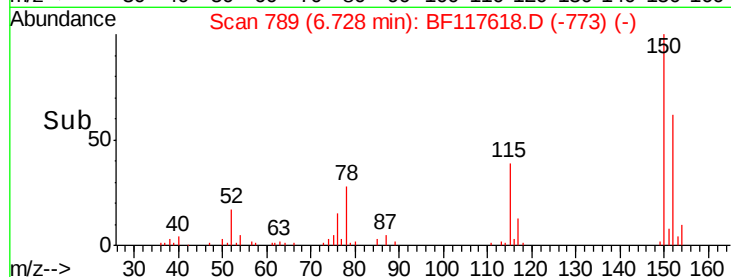
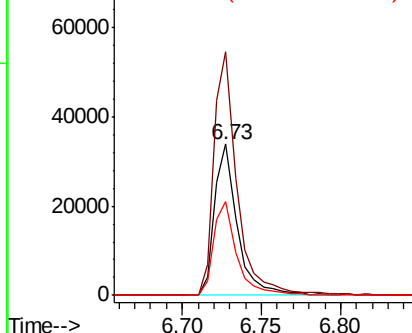


Abundance

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: 83.303 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

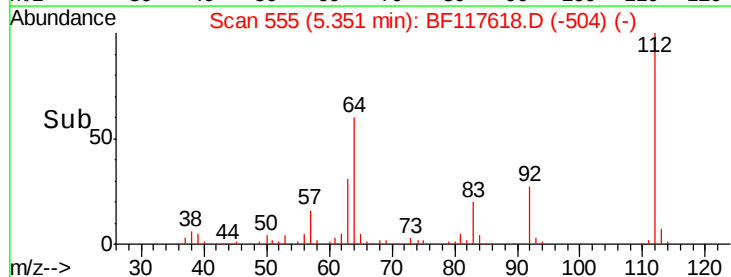
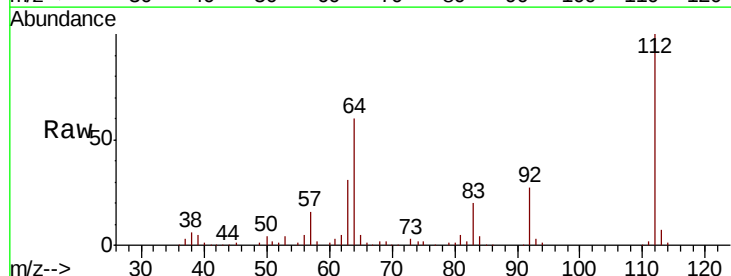
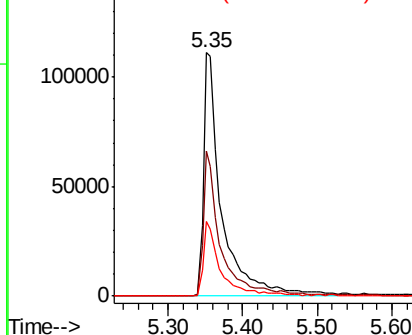
Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	44.1	66.1
63	30.9	23.4	35.2

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: 86.535 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

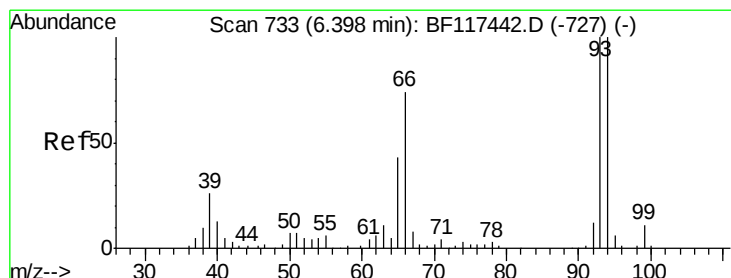
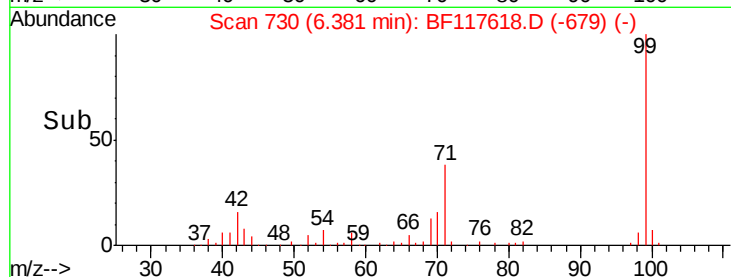
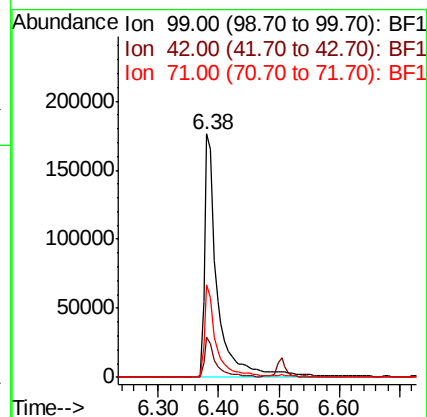
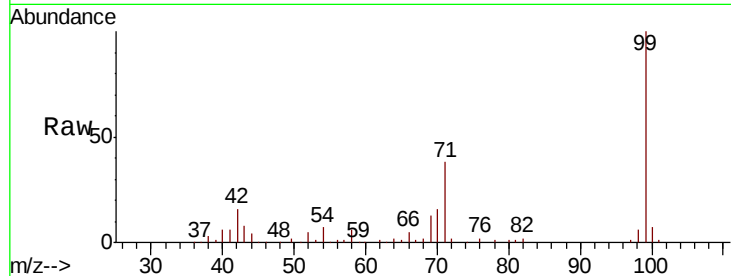
ClientSampleId :

157-14-(0-1.6)

Tot Ion:	99	Resp:	266492
Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.8	19.2
71	38.1	28.6	43.0

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#10

Phenol

Concen: 3.049 ng

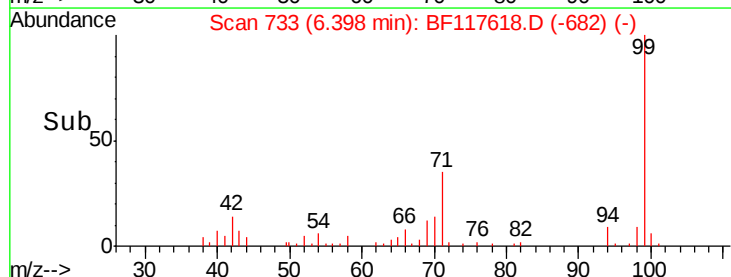
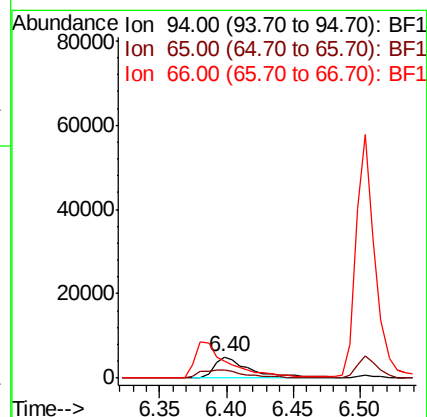
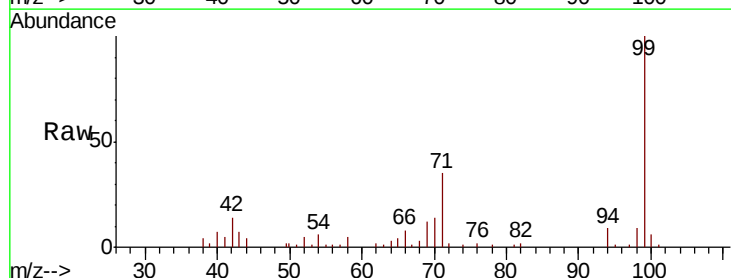
RT: 6.40 min Scan# 733

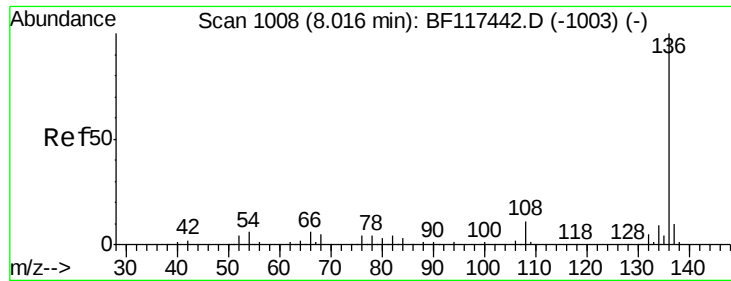
Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Tgt Ion:	94	Resp:	9584
Ion	Ratio	Lower	Upper
94	100		
65	39.8	23.4	63.4
66	83.8	54.7	94.7





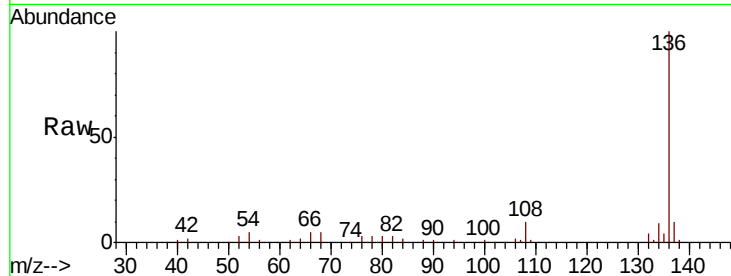
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :
157-14-(0-1.6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.2	8.2	12.4		
54	5.2	4.5	6.7		
68	5.3	4.3	6.5		

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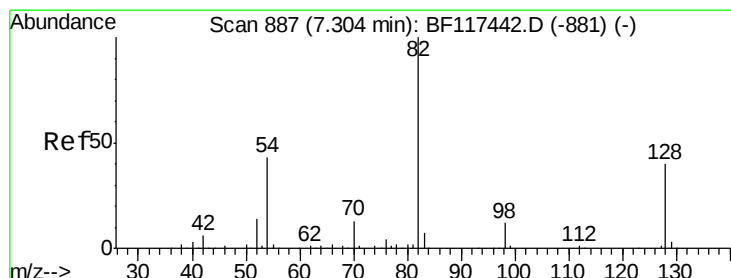
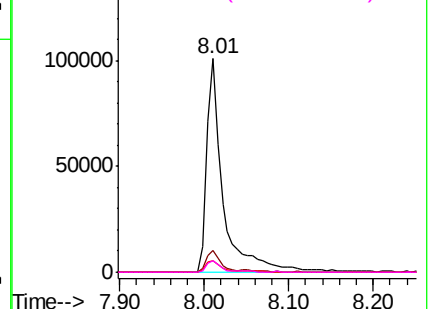
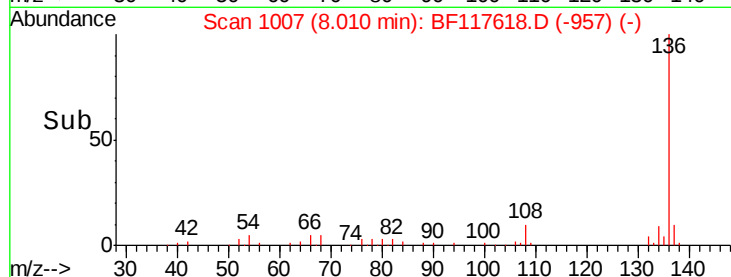
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

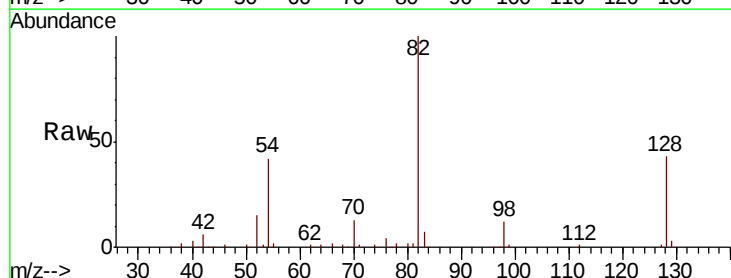
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 64.249 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	42.6	32.2	48.2		
54	42.2	34.2	51.2		

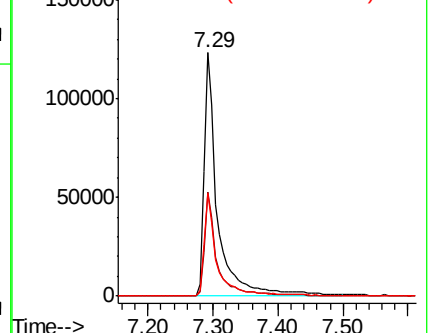
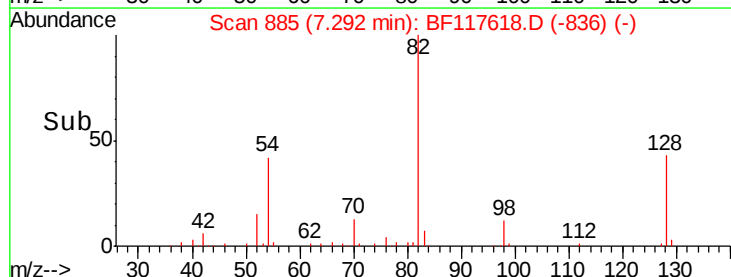


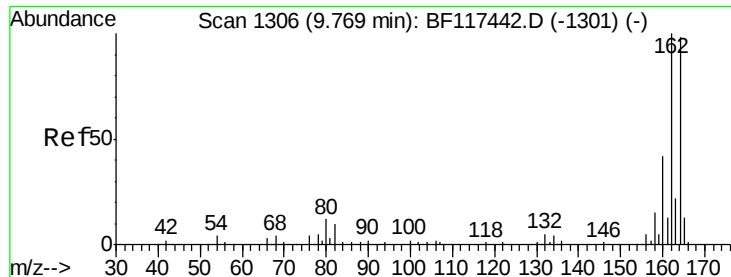
Abundance

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





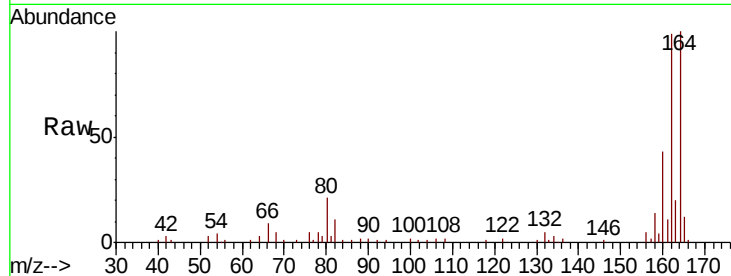
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :
157-14-(0-1.6)

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.8	122.6
160	42.5	34.4	51.6

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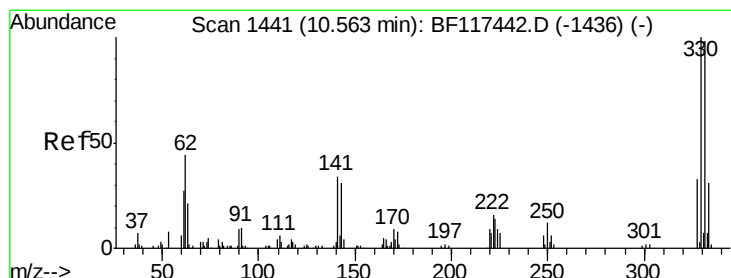
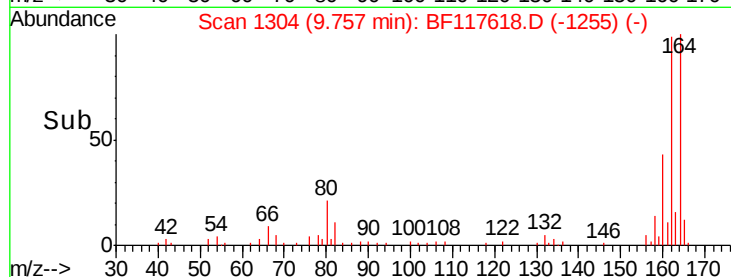
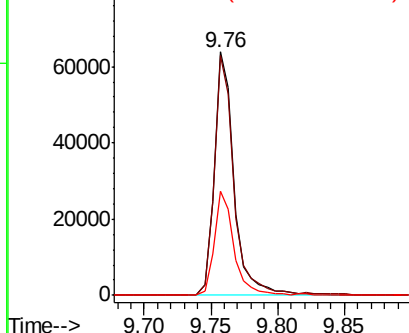


Abundance

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: 73.761 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

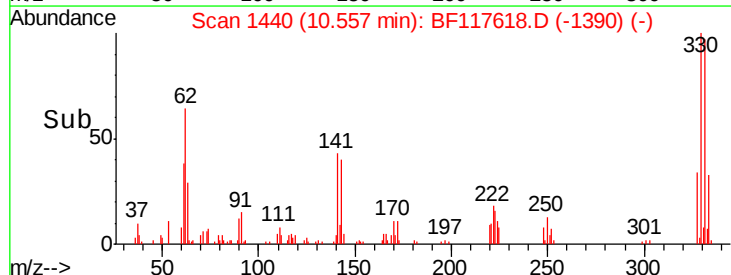
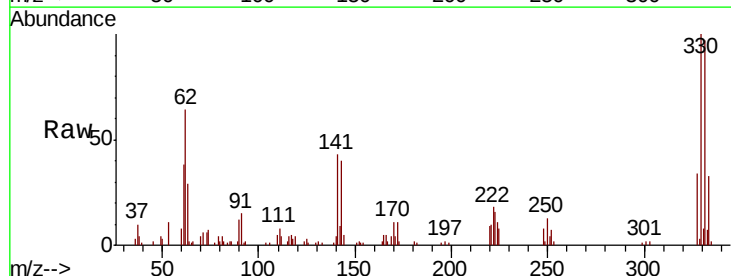
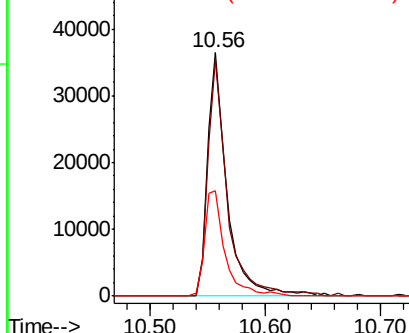
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.5	117.7
141	46.0	37.0	55.6

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





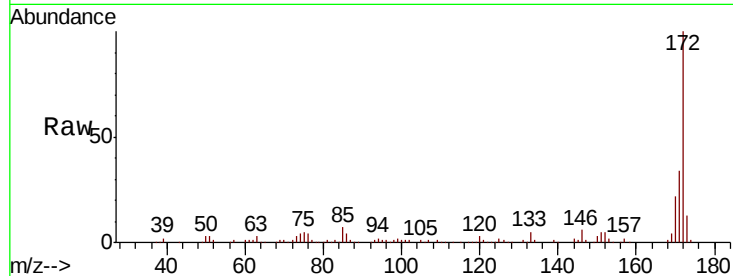
#45
2-Fluorobiphenyl
Concen: 46.053 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :
157-14-(0-1.6)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	217958		
171	33.8		27.5	41.3
170	22.2		18.6	27.8

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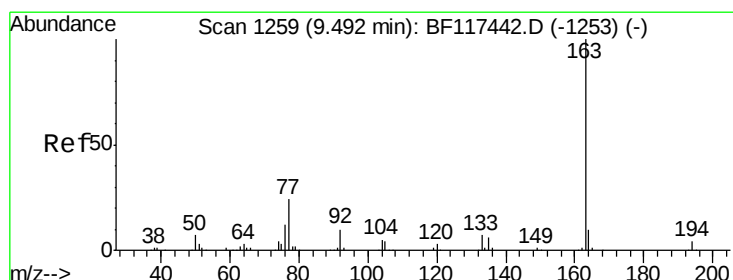
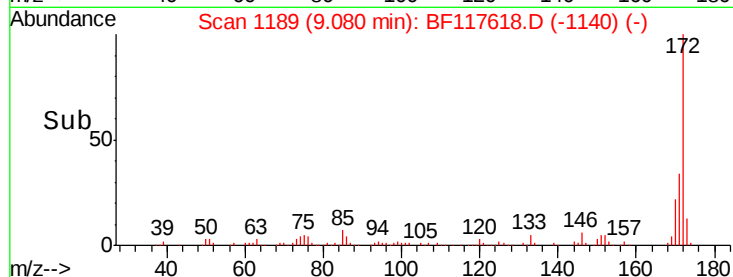
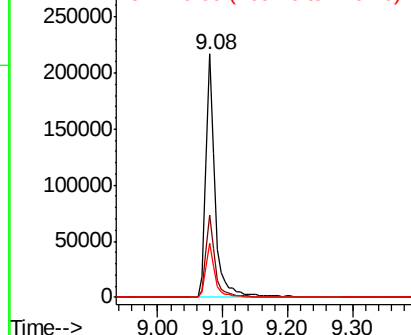


Abundance

Ion 172.00 (171.70 to 172.70): E

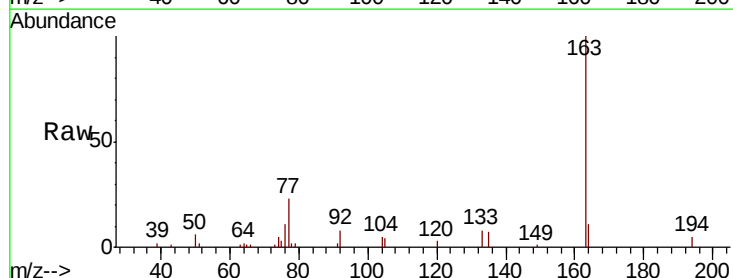
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.703 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	31865		
194	4.9		2.9	4.3#
164	10.9		8.2	12.2

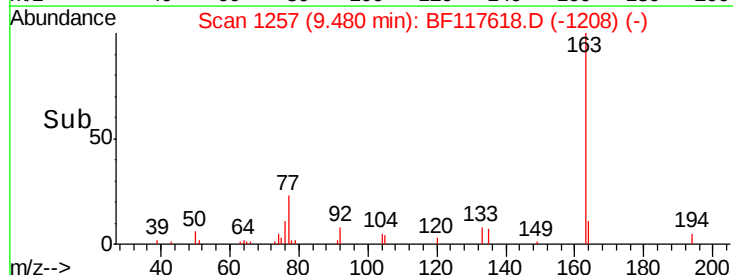
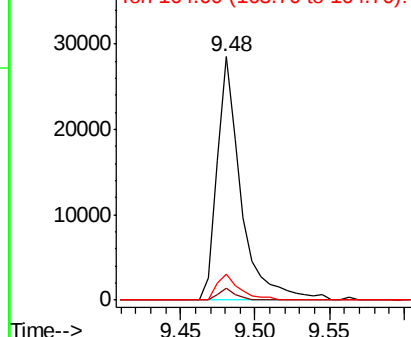


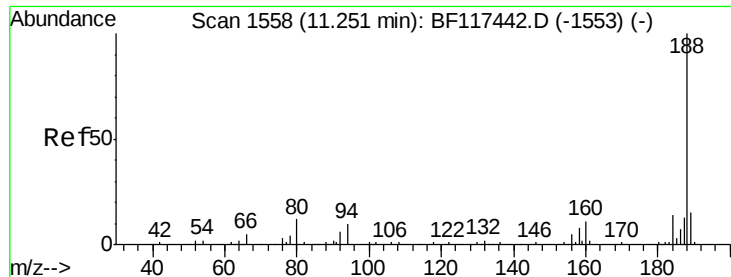
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





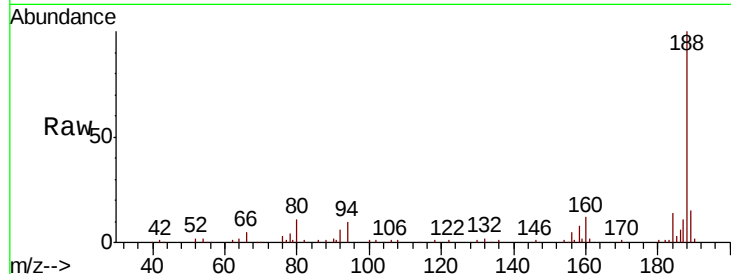
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :
157-14-(0-1.6)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	94531		
94	9.7		8.0	12.0
80	11.3		9.5	14.3

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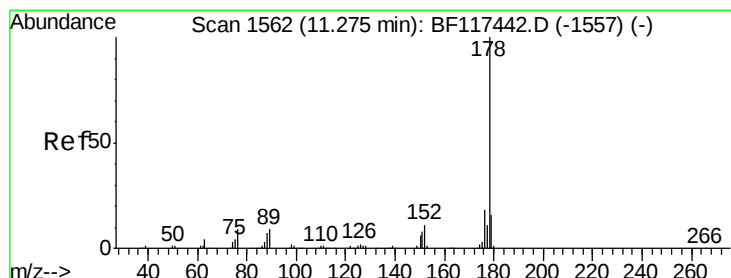
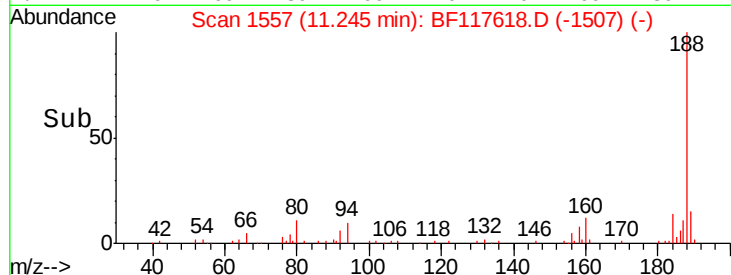
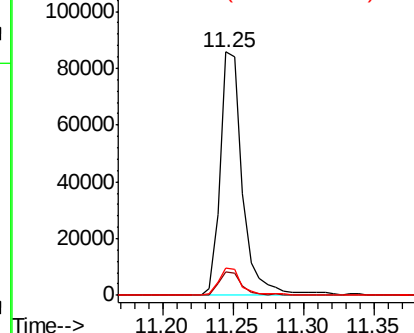


Abundance

Ion 188.00 (187.70 to 188.70): E

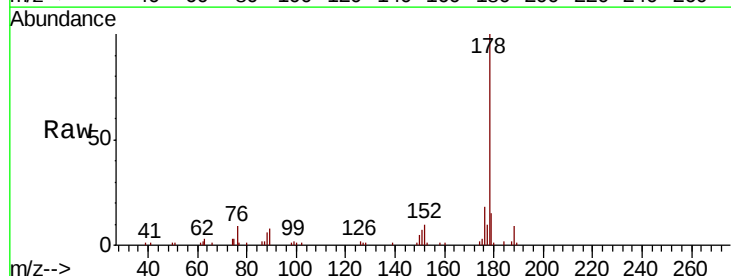
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 8.375 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	45970		
176	18.3		14.6	22.0
179	15.2		12.6	19.0

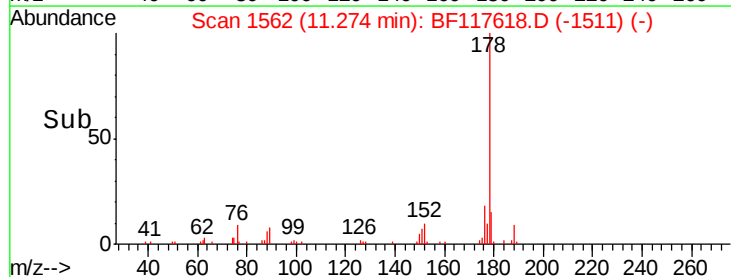
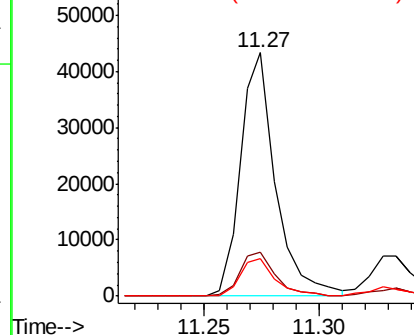


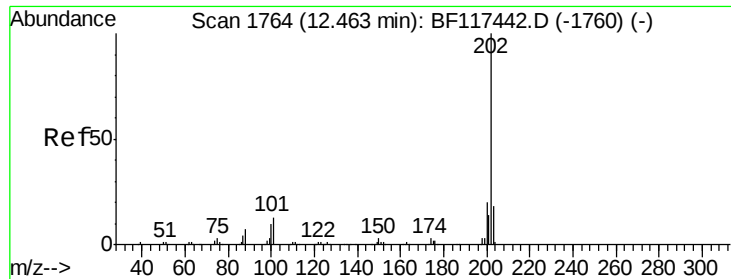
Abundance

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





#75

Fluoranthene

Concen: 11.537 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

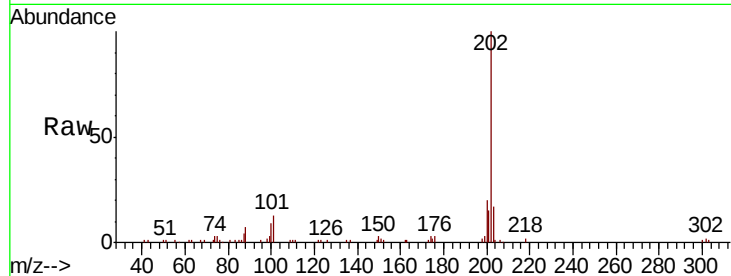
ClientSampleId :

157-14-(0-1.6)

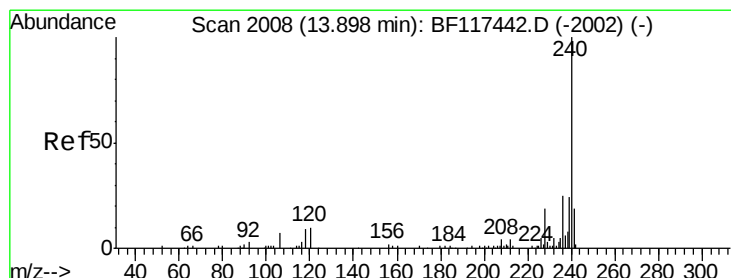
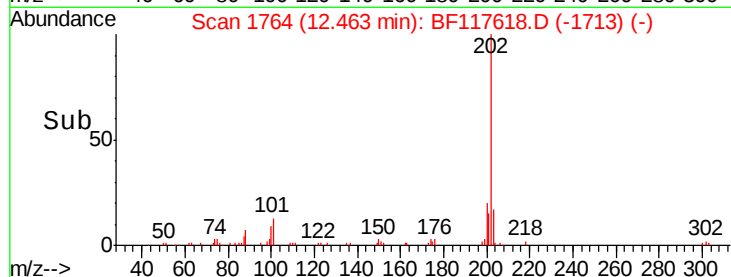
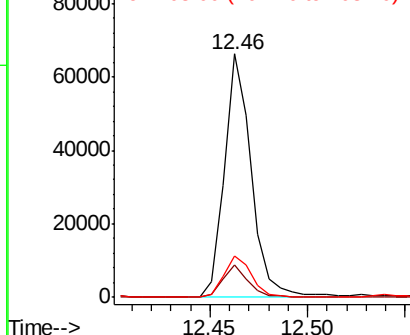
Tot Ion:	202	Resp:	63396
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	32.7
203	17.0	0.0	37.6

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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

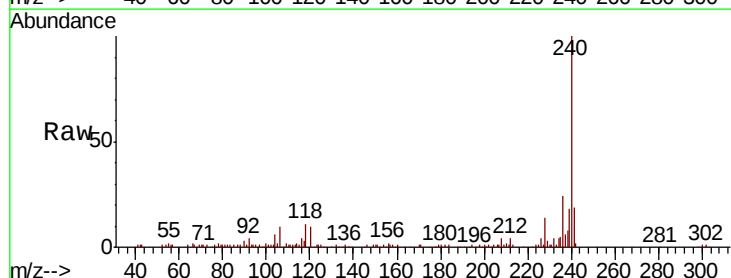
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

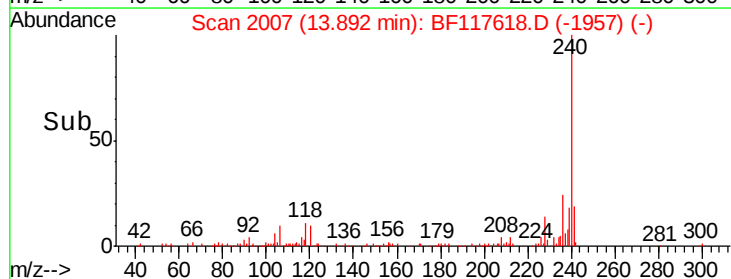
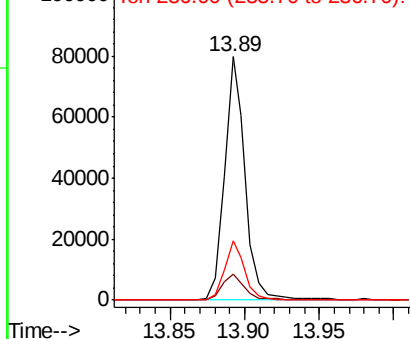
Lab File: BF117618.D

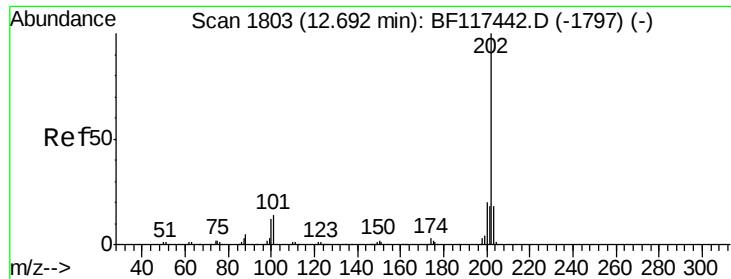
Acq: 30 Oct 2019 12:26

Tgt Ion:	240	Resp:	77290
Ion Ratio	Lower	Upper	
240	100		
120	10.5	8.4	12.6
236	24.2	20.0	30.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 9.756 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

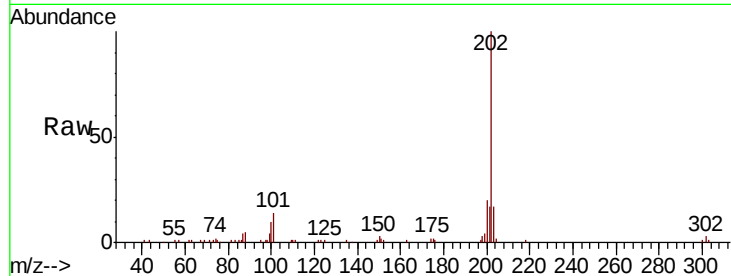
ClientSampleId :

157-14-(0-1.6)

Tot Ion:	202	Resp:	64766
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.2	24.2
203	17.1	14.0	21.0

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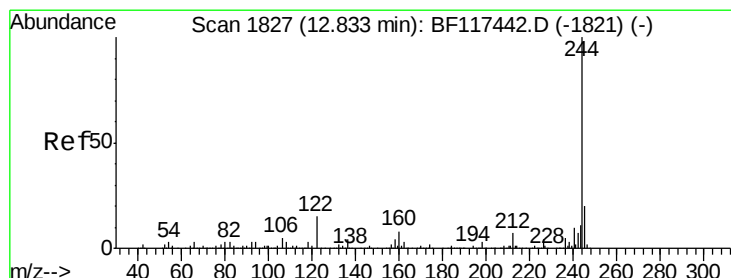
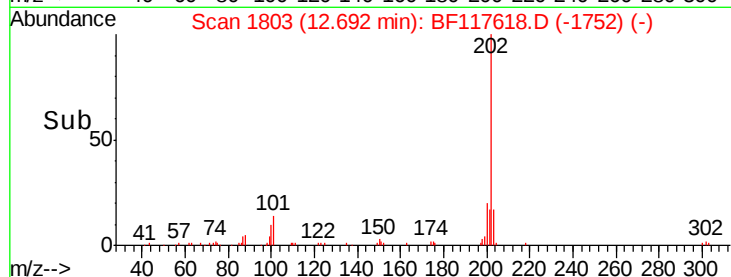
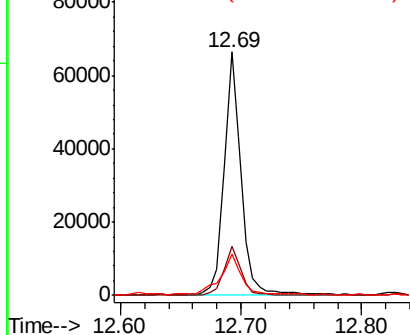


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 30.358 ng

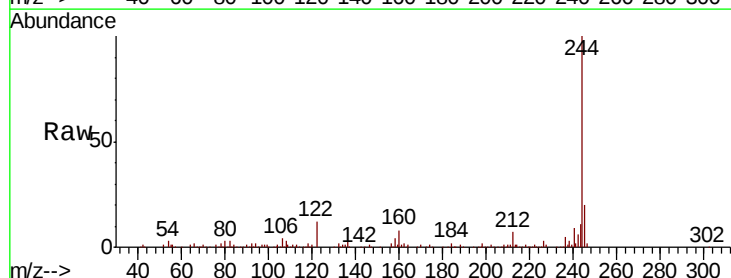
RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Tgt Ion:	244	Resp:	143849
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.8	8.6
122	11.5	11.8	17.8#

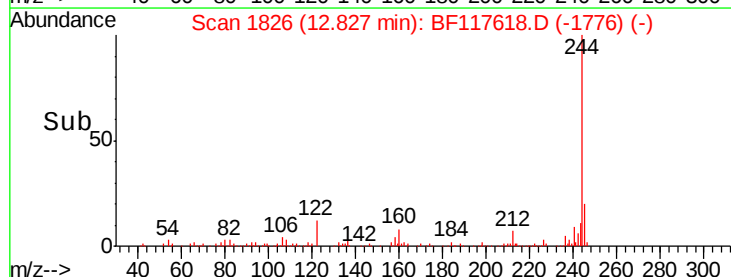
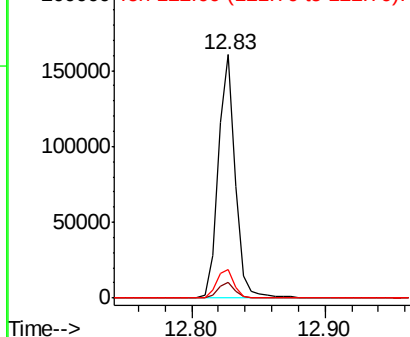


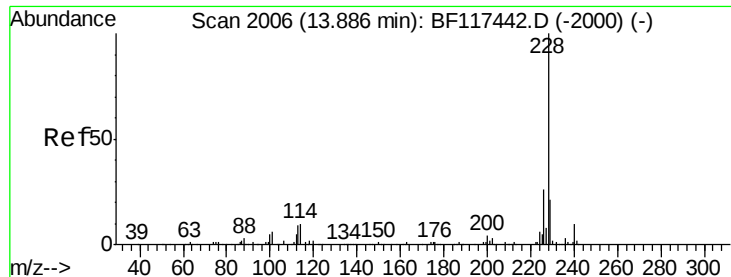
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.665 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

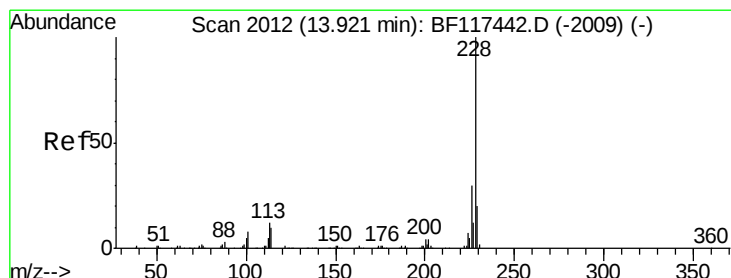
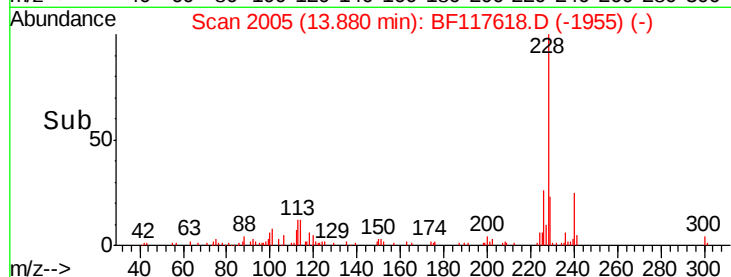
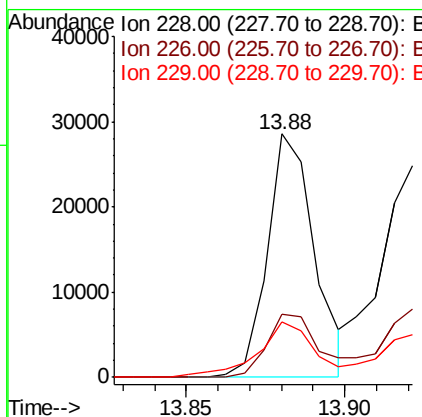
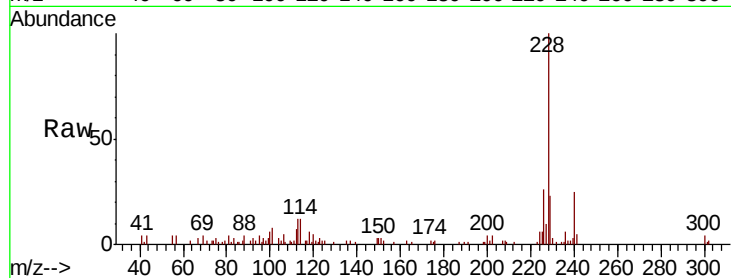
ClientSampleId :

157-14-(0-1.6)

Tot Ion:	228	Resp:	29536
Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.0	31.4
229	23.0	16.4	24.6

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#83

Chrysene

Concen: 5.762 ng

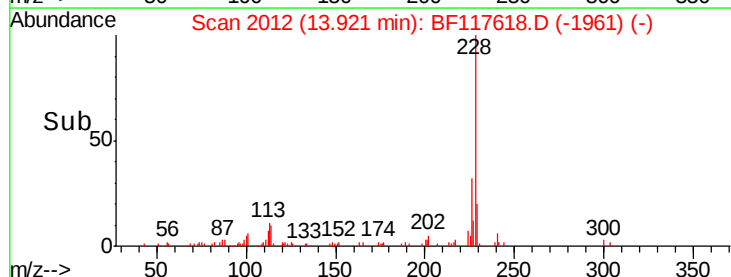
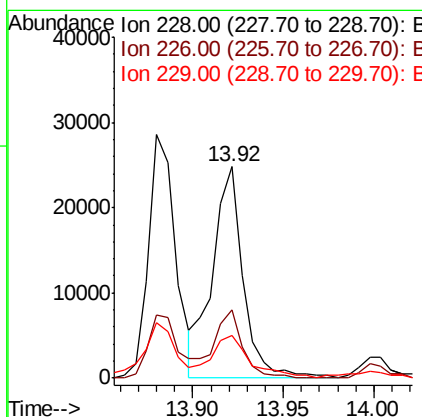
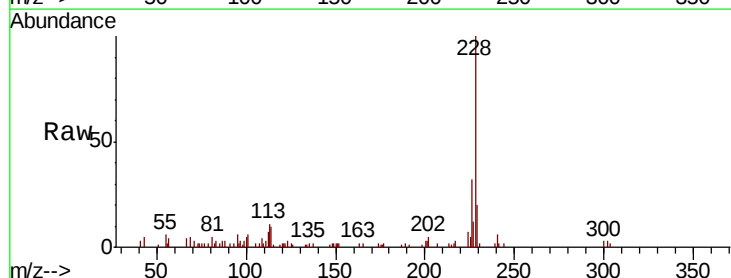
RT: 13.92 min Scan# 2012

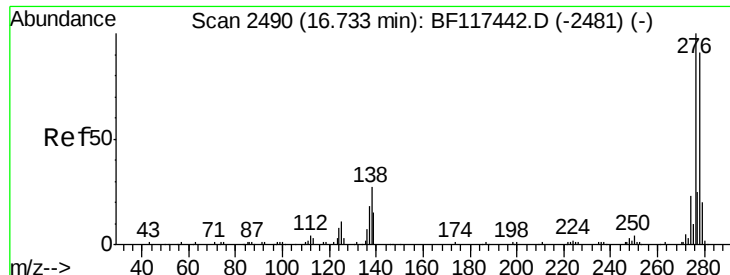
Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Tgt Ion:	228	Resp:	29442
Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.9	35.9
229	20.4	15.8	23.6





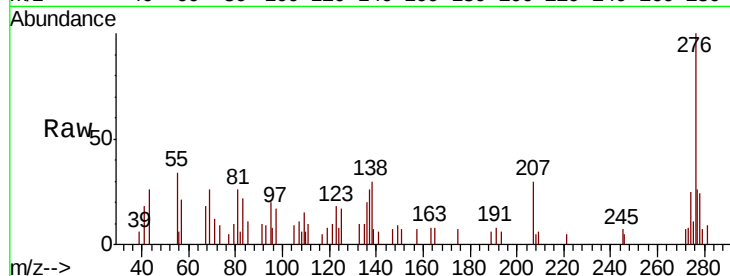
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.266 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :
157-14-(0-1.6)

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.3	21.8	32.8
277	24.7	20.0	30.0

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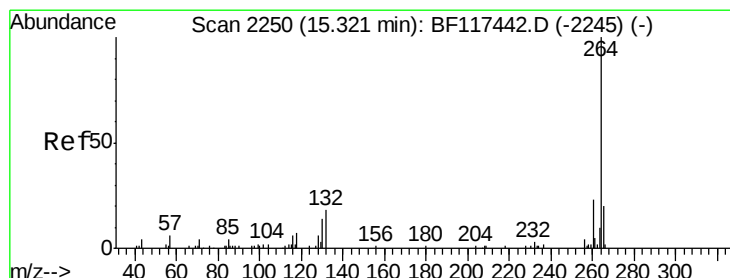
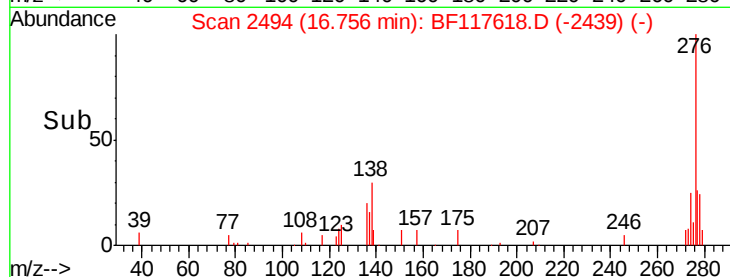
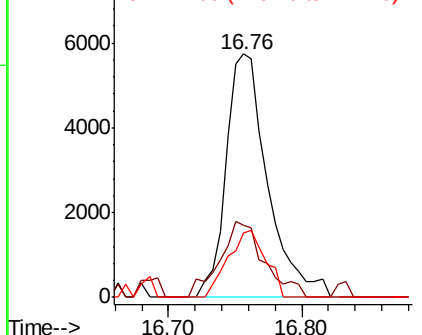


Abundance

Ion 276.00 (275.70 to 276.70): E

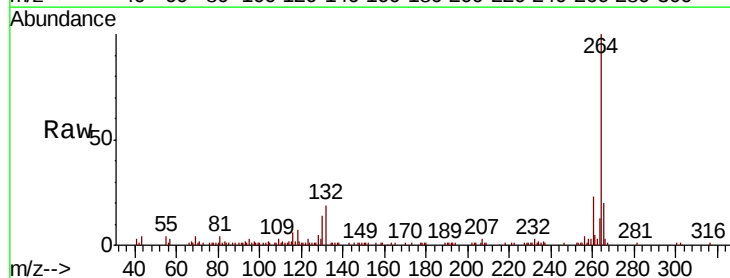
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.4	27.6
265	19.9	16.1	24.1

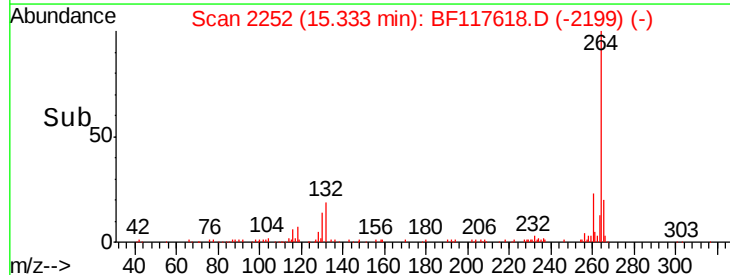
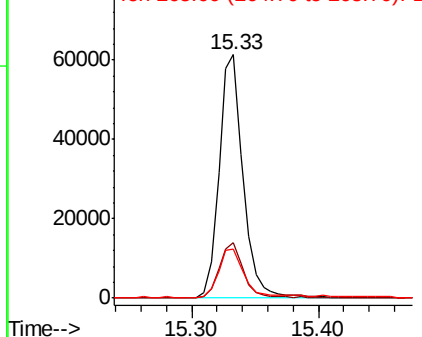


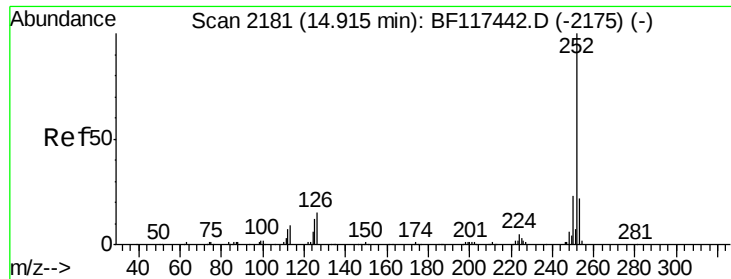
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





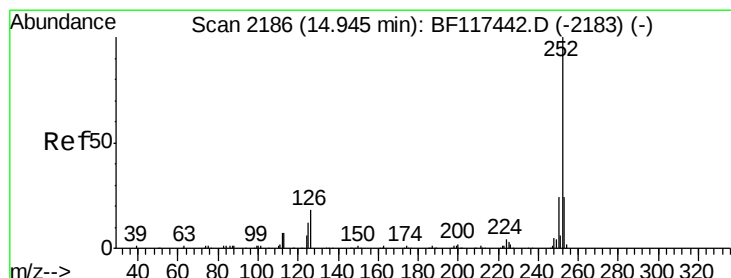
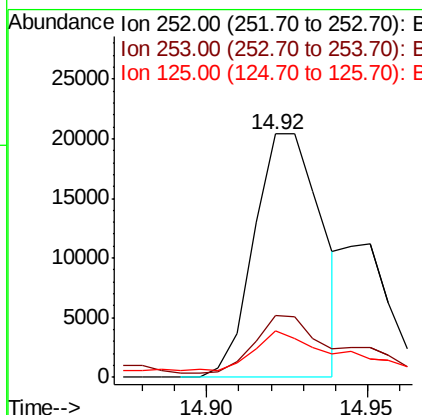
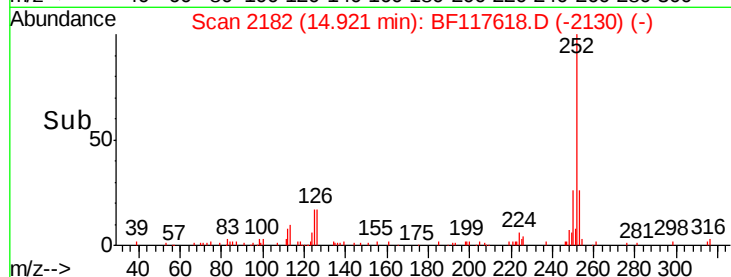
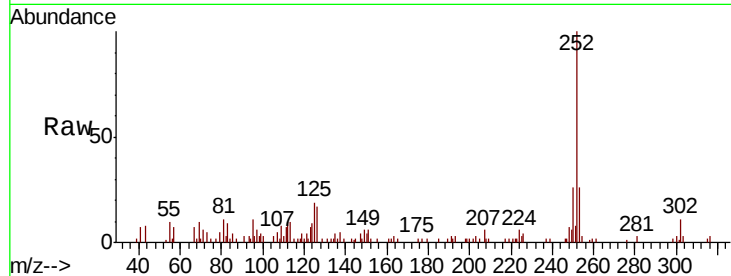
#88
Benzo(b)fluoranthene
Concen: 6.265 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :
157-14-(0-1.6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.6
125	19.2	9.9	14.9#

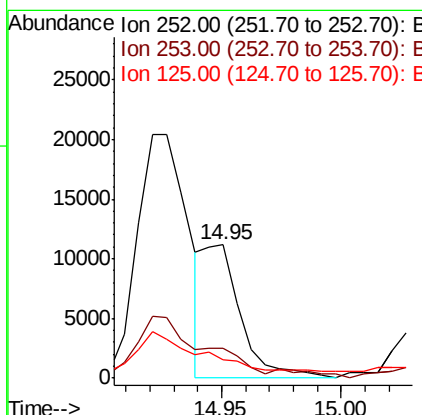
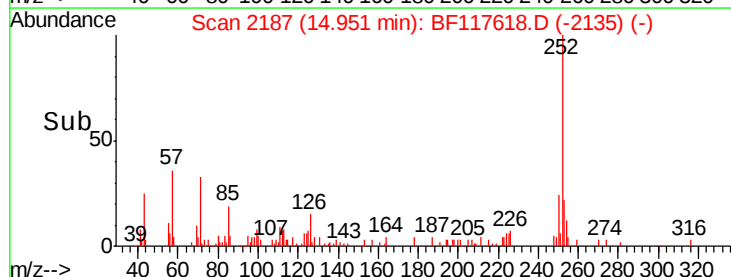
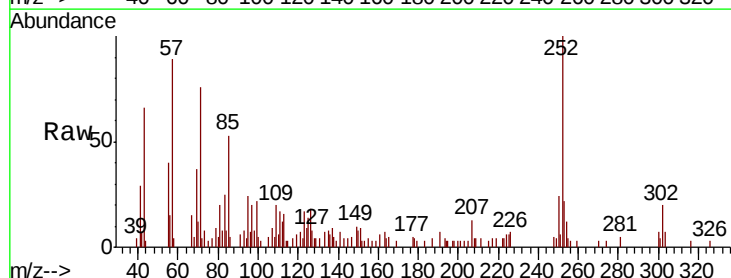
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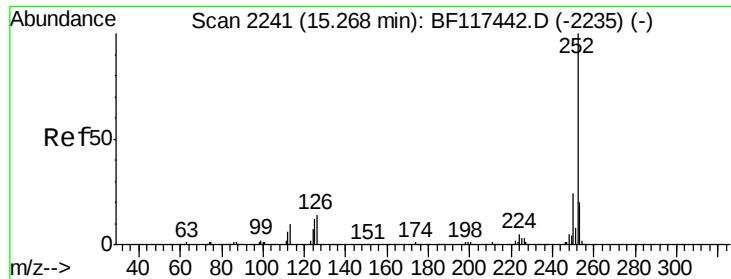
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#89
Benzo(k)fluoranthene
Concen: 2.463 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	14.2	8.9	13.3#





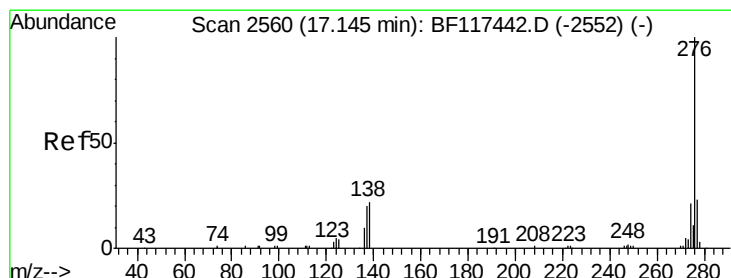
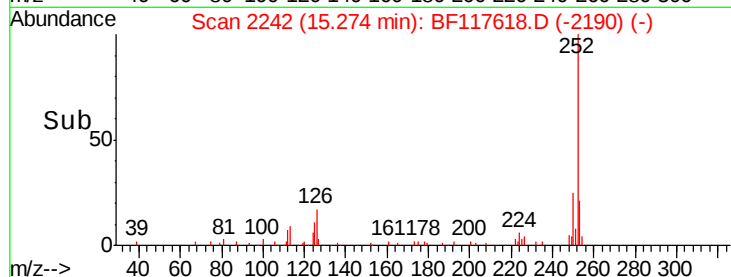
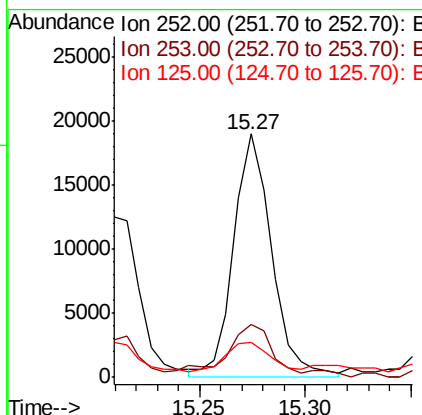
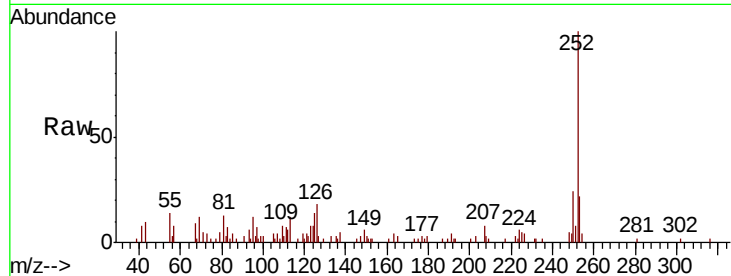
#90
Benzo(a)pyrene
Concen: 5.501 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :
157-14-(0-1.6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.3	24.5
125	14.4	9.2	13.8

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#92
Benzo(g,h,i)perylene
Concen: 3.134 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.04 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.4	27.6
138	29.7	17.8	26.6

