

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117658.D
 Acq On : 31 Oct 2019 15:17
 Operator : JU
 Sample : K5540-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 160-04-(0-1)

Manual Integrations
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 11/1/2019 12:34:30 PM

Quant Time: Nov 01 01:39:48 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	35209	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	138299	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	72096	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	123956	20.00	ng	0.00
76) Chrysene-d12	13.90	240	79289	20.00	ng	0.00
87) Perylene-d12	15.33	264	76483	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	234704	99.17	ng	0.00
7) Phenol-d6	6.39	99	335821	105.65	ng	0.00
23) Nitrobenzene-d5	7.30	82	205193	73.25	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	59479	95.35	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	276136	53.97	ng	-0.01
79) Terphenyl-d14	12.83	244	259388	53.36	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.40	94	14596	4.499	ng	97
50) Dimethylphthalate	9.49	163	48687	9.473	ng	98
52) Acenaphthene	9.79	154	13560	3.344	ng	93
58) Fluorene	10.32	166	15994	3.292	ng	99
71) Phenanthrene	11.27	178	191188	26.563	ng	99
72) Anthracene	11.33	178	53634	7.262	ng	96
73) Carbazole	11.50	167	21348	3.163	ng	99
75) Fluoranthene	12.47	202	224390	31.142	ng	99
78) Pyrene	12.70	202	183080	26.882	ng	99
81) Benzo(a)anthracene	13.89	228	64893	12.133	ng	98
83) Chrysene	13.93	228	58472	11.155	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	30888	7.893	ng	97
88) Benzo(b)fluoranthene	14.93	252	59741m	13.228	ng	
89) Benzo(k)fluoranthene	14.95	252	23132m	4.997	ng	
90) Benzo(a)pyrene	15.28	252	48301	11.763	ng	95
92) Benzo(g,h,i)perylene	17.19	276	30381	9.043	ng	# 94

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

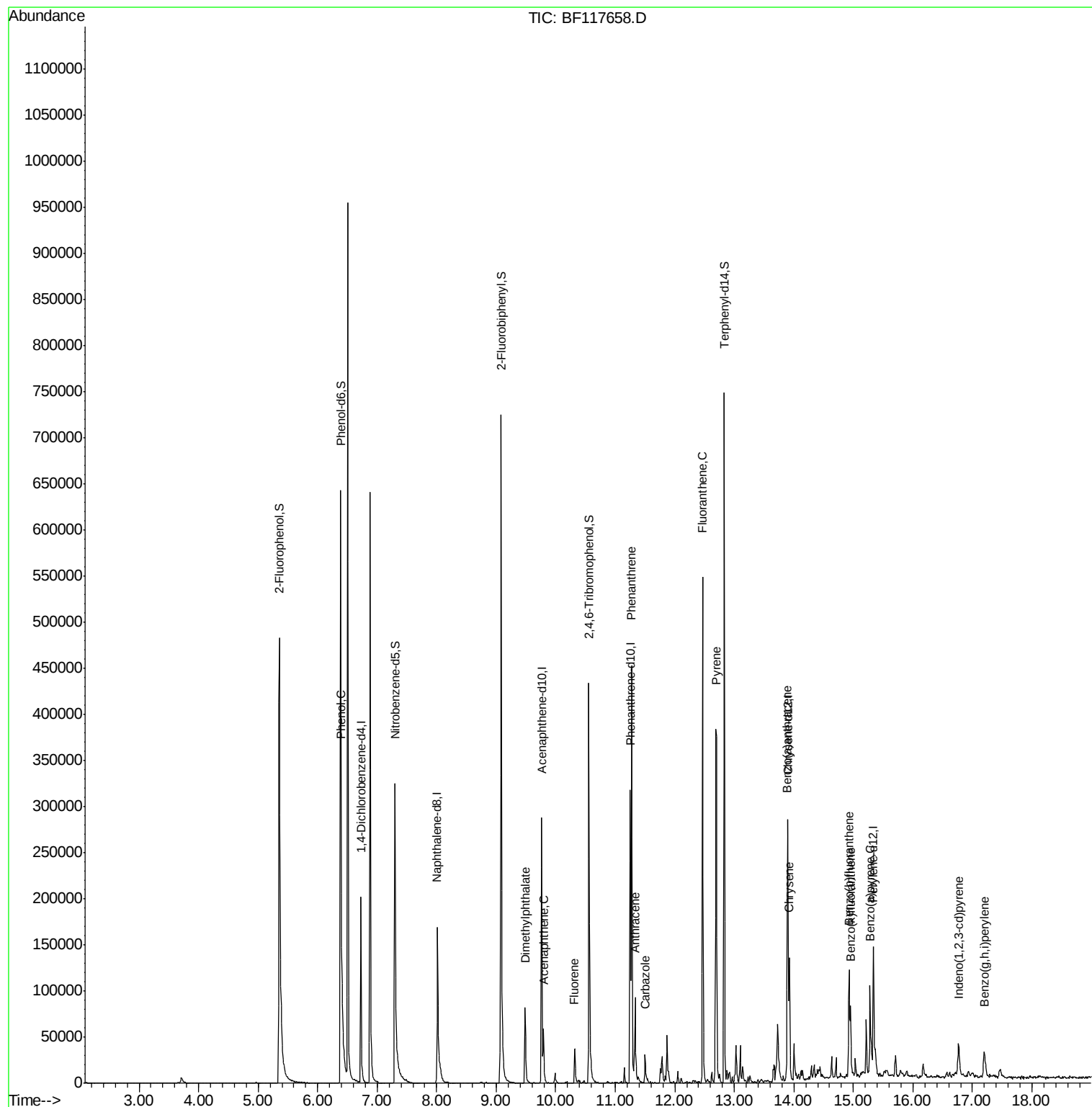
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
Data File : BF117658.D
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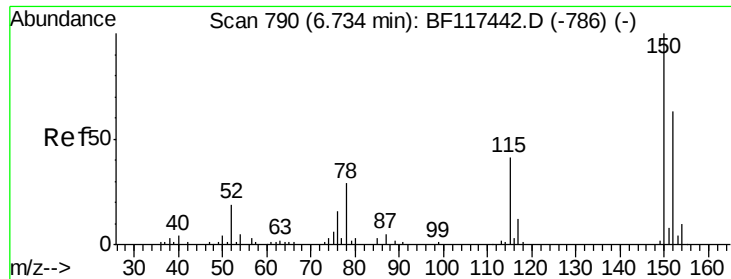
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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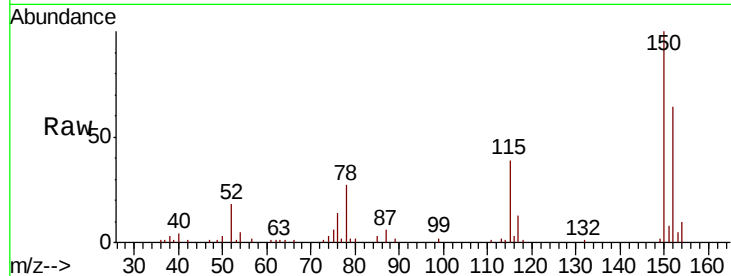
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.8	190.2
115	61.3	51.6	77.4

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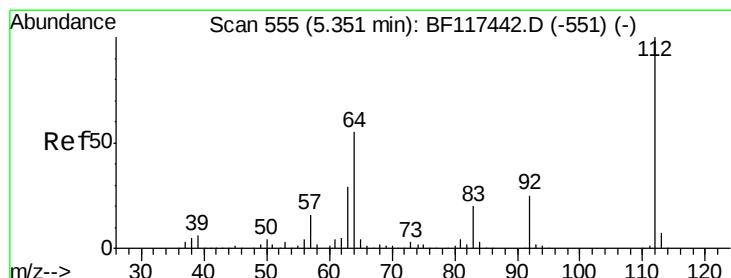
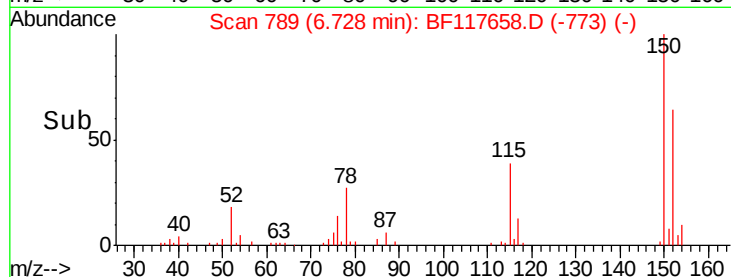
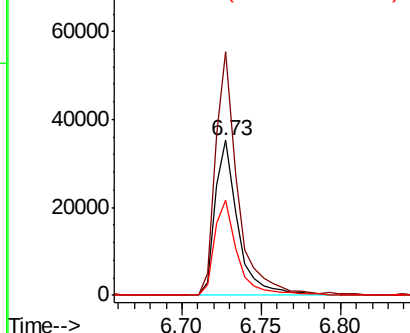


Abundance

Ion 152.00 (151.70 to 152.70): E

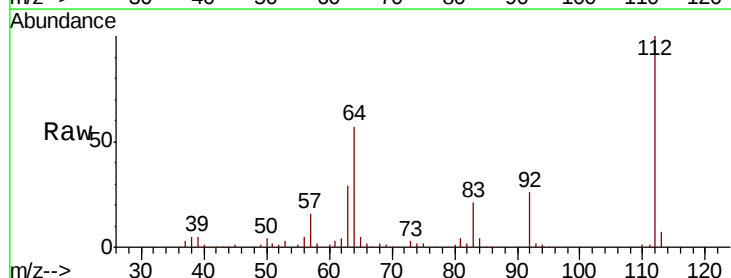
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
2-Fluorophenol
Concen: 99.171 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	44.1	66.1
63	28.9	23.4	35.2

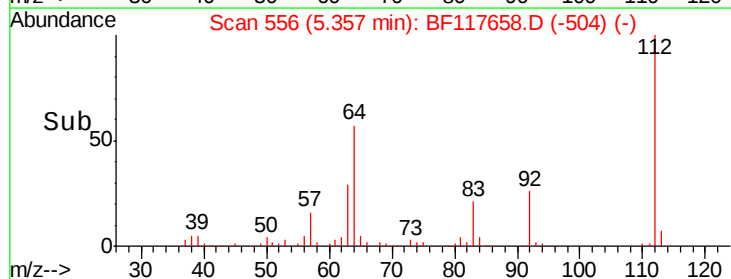
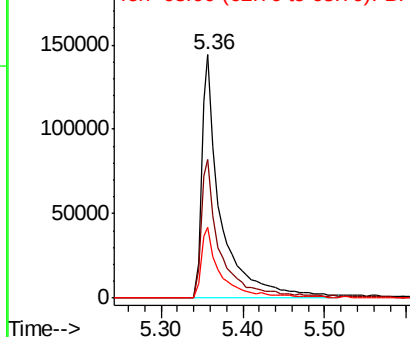


Abundance

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: 105.647 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117658.D

Acq: 31 Oct 2019 15:17

Instrument :

BNA_F

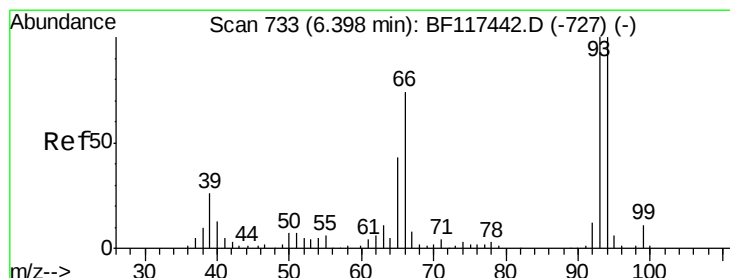
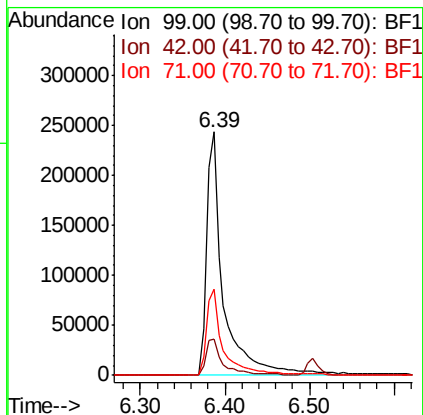
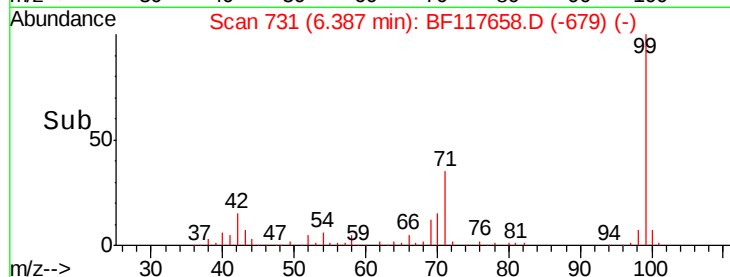
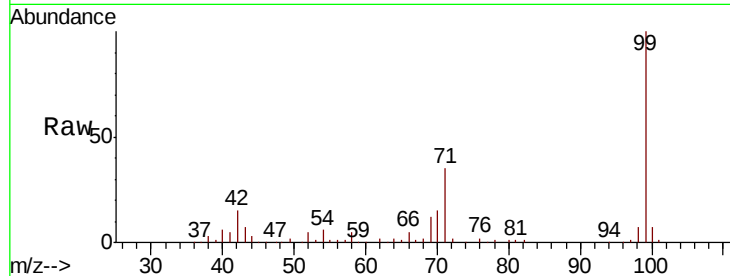
ClientSampleId :

160-04-(0-1)

Tot Ion:	99	Resp:	335821
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.8	19.2
71	35.5	28.6	43.0

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#10

Phenol

Concen: 4.499 ng

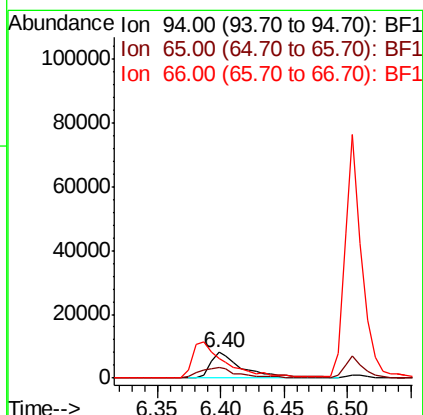
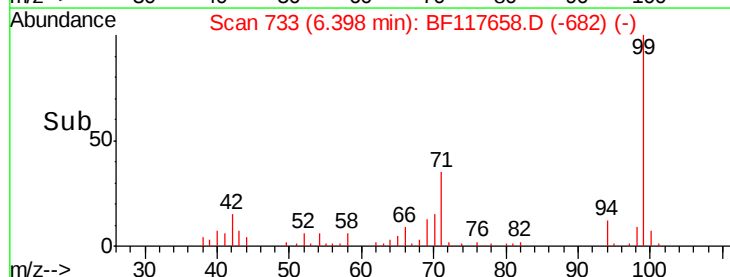
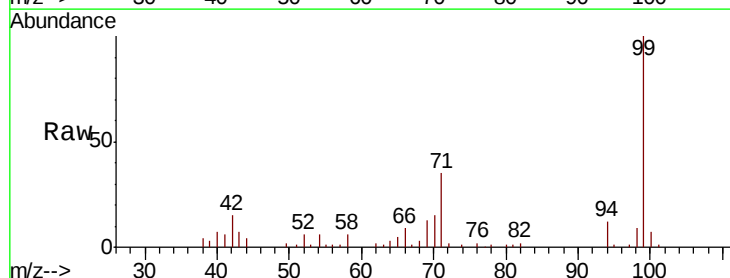
RT: 6.40 min Scan# 733

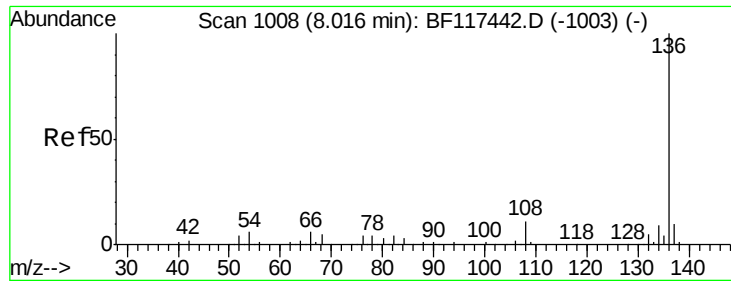
Delta R.T. 0.00 min

Lab File: BF117658.D

Acq: 31 Oct 2019 15:17

Tgt Ion:	94	Resp:	14596
Ion Ratio	Lower	Upper	
94	100		
65	40.8	23.4	63.4
66	77.1	54.7	94.7





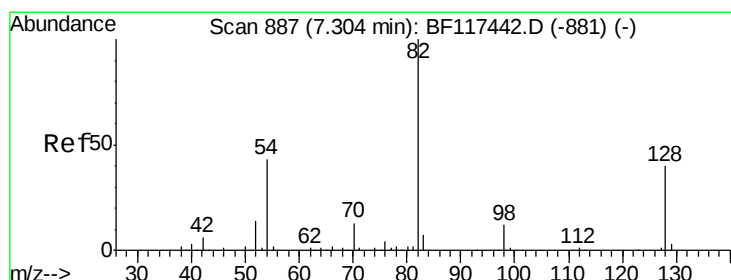
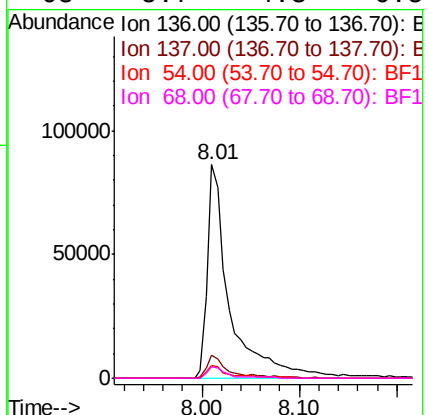
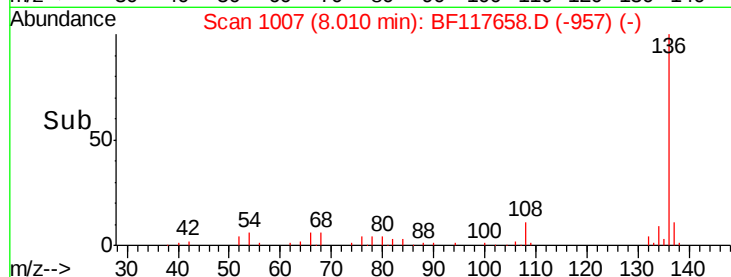
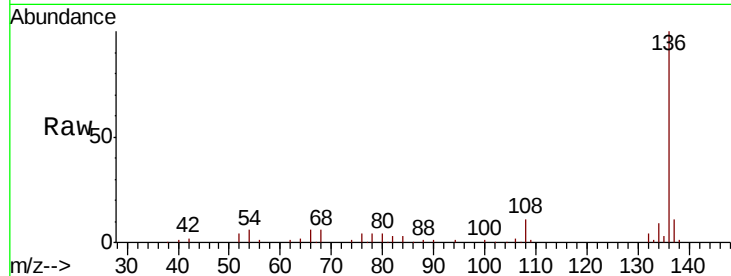
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	138299		
137	10.7		8.2	12.4
54	6.2		4.5	6.7
68	5.7		4.3	6.5

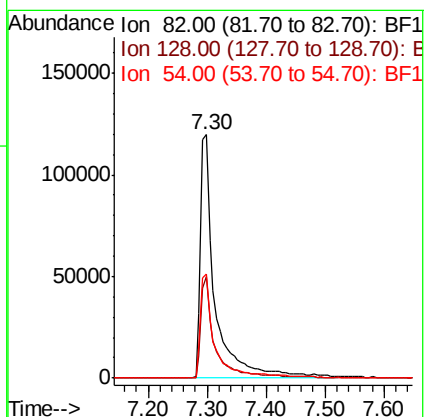
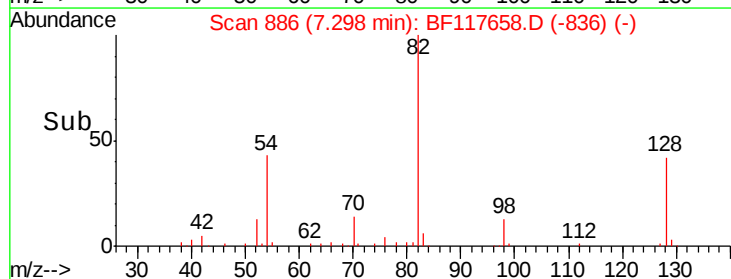
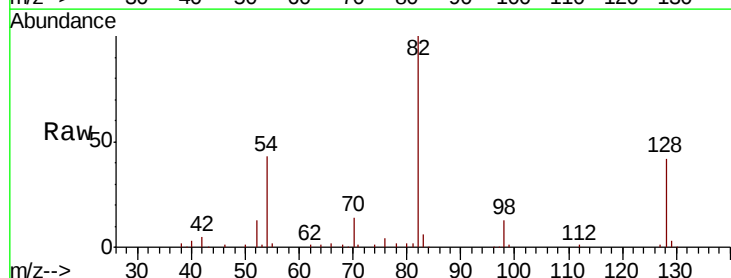
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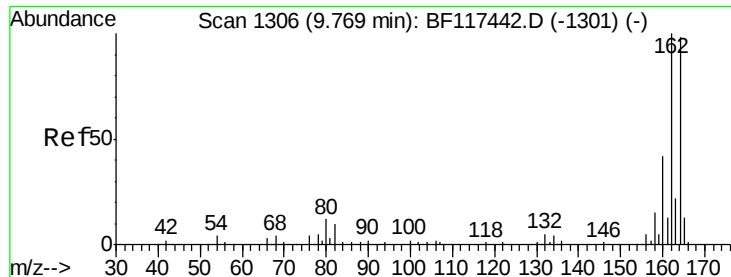
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#23
Nitrobenzene-d5
Concen: 73.247 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	205193		
128	41.8		32.2	48.2
54	42.6		34.2	51.2





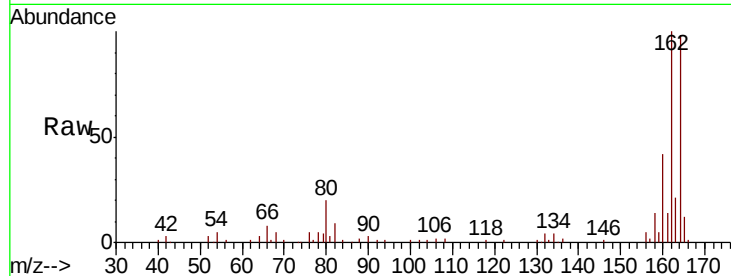
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

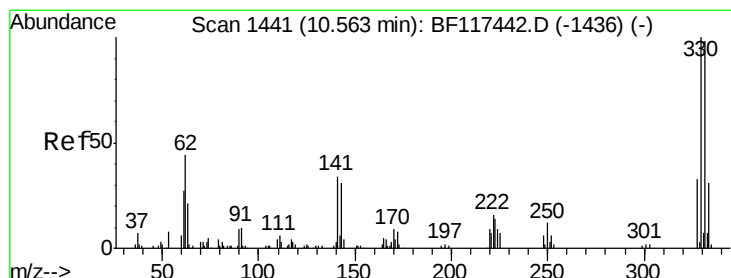
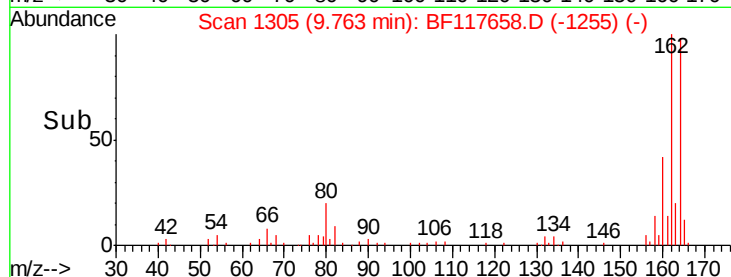
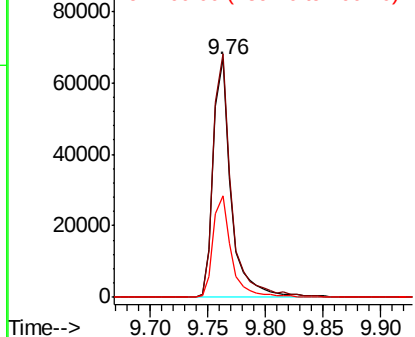
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	42.7	34.4	51.6

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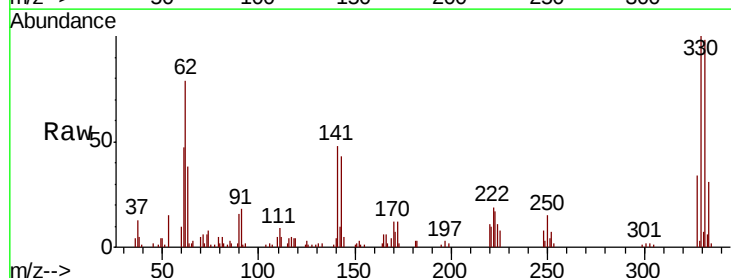


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

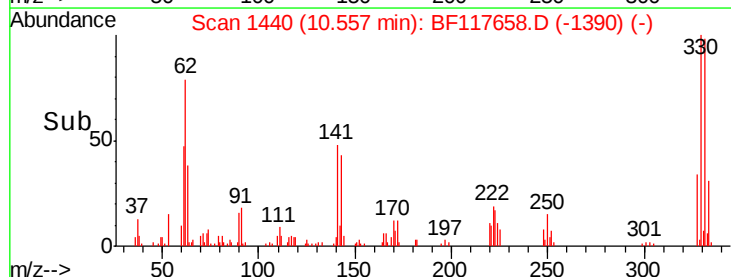
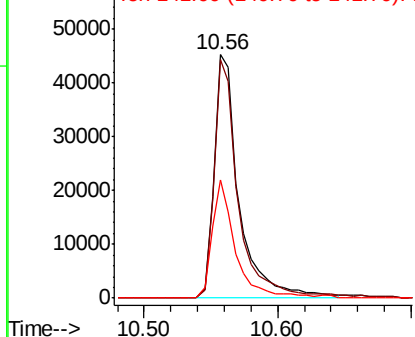


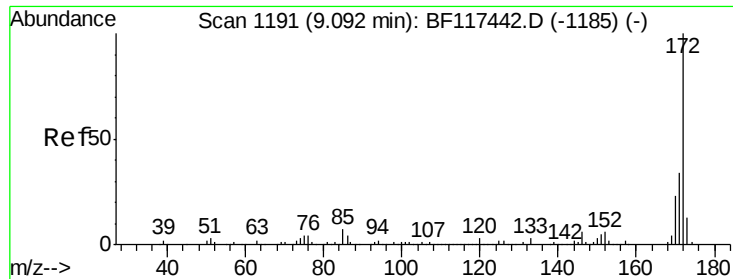
#42
2,4,6-Tribromophenol
Concen: 95.347 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.5	117.7
141	45.8	37.0	55.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





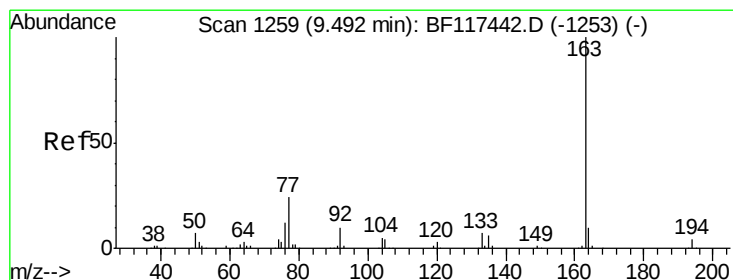
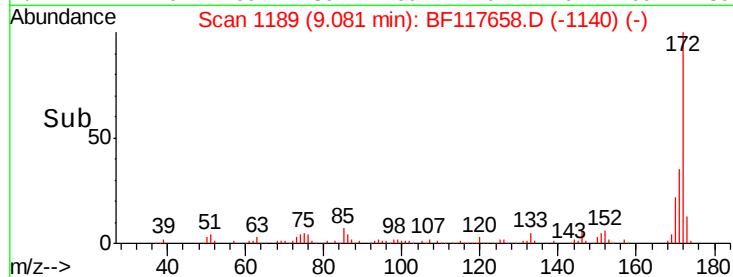
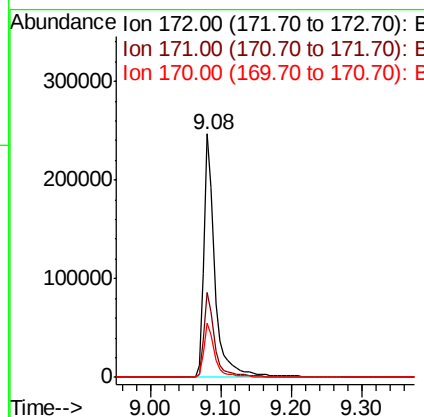
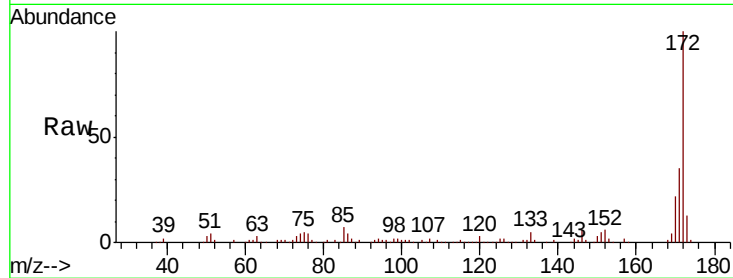
#45
2-Fluorobiphenyl
Concen: 53.966 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	276136		
171	35.0		27.5	41.3
170	22.4		18.6	27.8

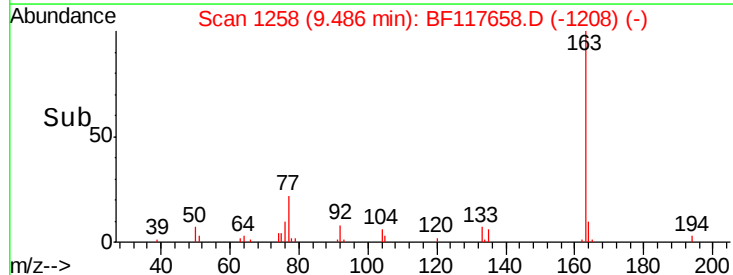
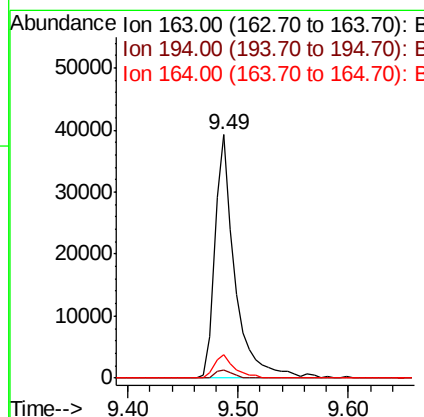
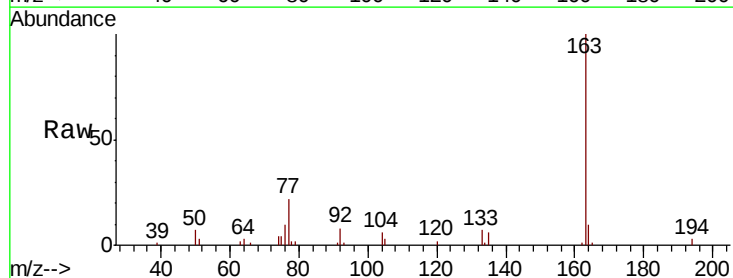
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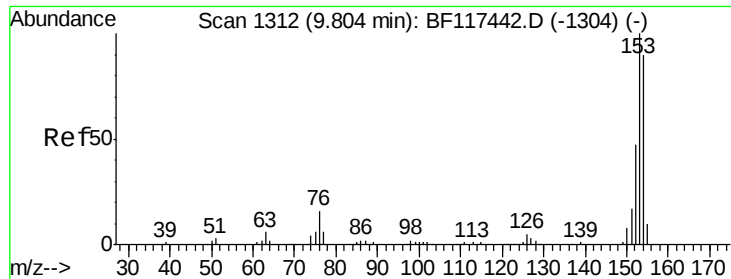
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#50
Dimethylphthalate
Concen: 9.473 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	48687		
194	3.2		2.9	4.3
164	9.6		8.2	12.2





#52

Acenaphthene

Concen: 3.344 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117658.D

Acq: 31 Oct 2019 15:17

Instrument :

BNA_F

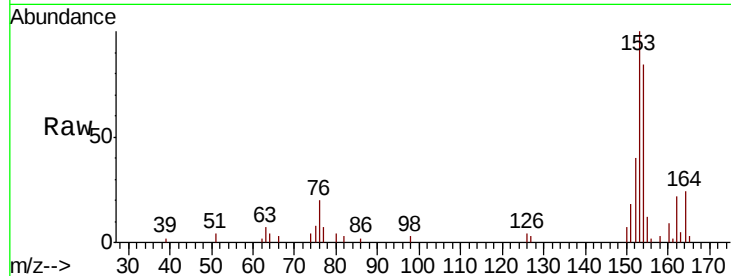
ClientSampleId :

160-04-(0-1)

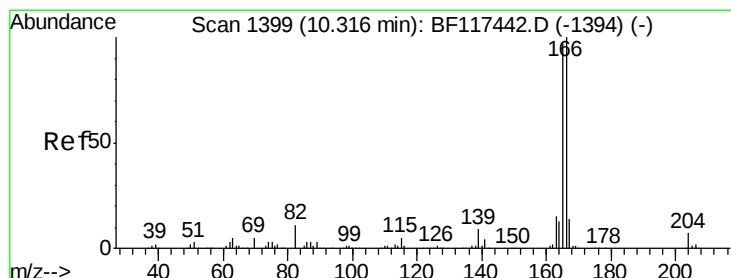
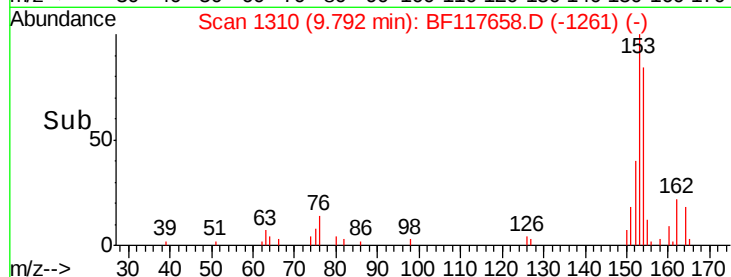
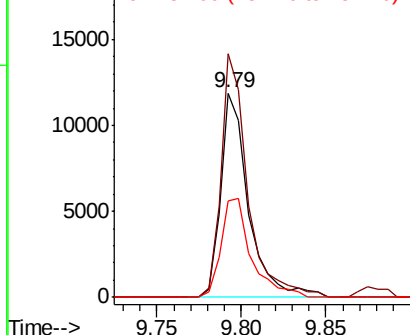
Tot Ion:	154	Resp:	13560
Ion Ratio	Lower	Upper	
154	100		
153	119.1	89.2	133.8
152	47.5	41.8	62.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 3.292 ng

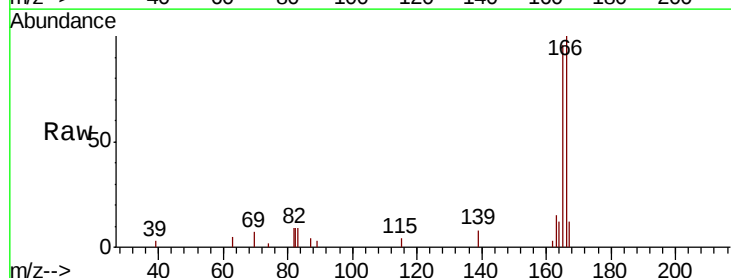
RT: 10.32 min Scan# 1400

Delta R.T. 0.01 min

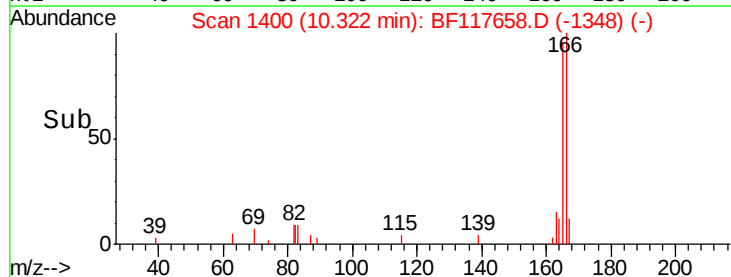
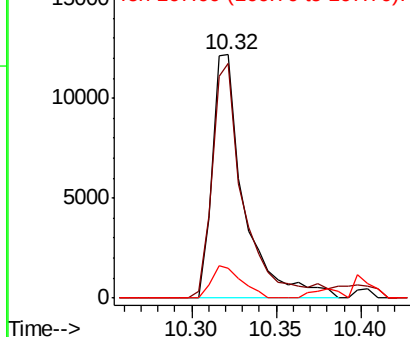
Lab File: BF117658.D

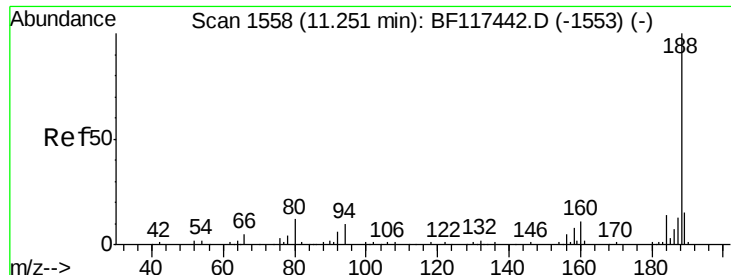
Acq: 31 Oct 2019 15:17

Tgt Ion:	166	Resp:	15994
Ion Ratio	Lower	Upper	
166	100		
165	96.3	77.6	116.4
167	12.1	11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





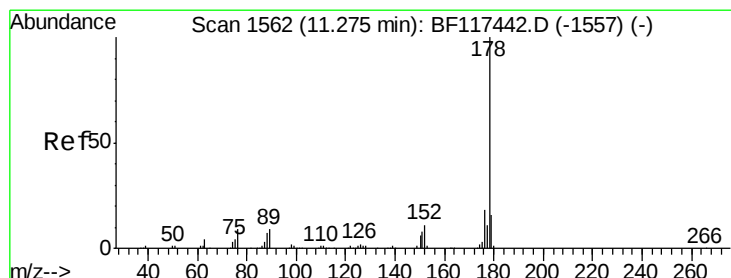
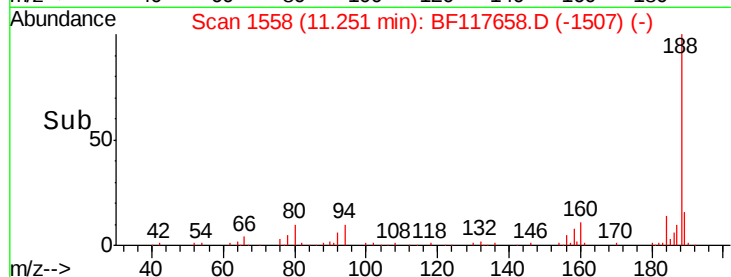
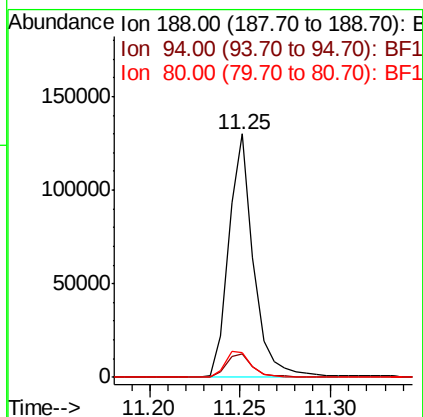
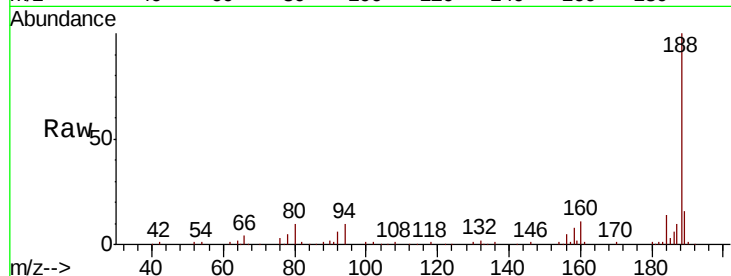
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.2	9.5	14.3

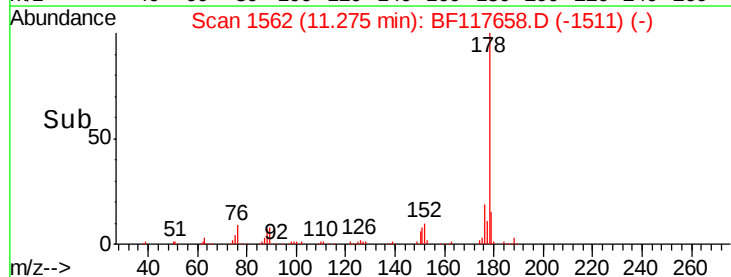
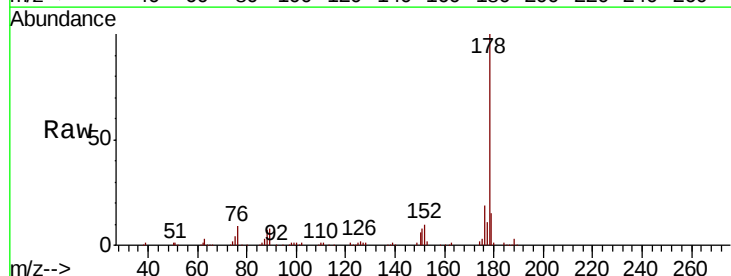
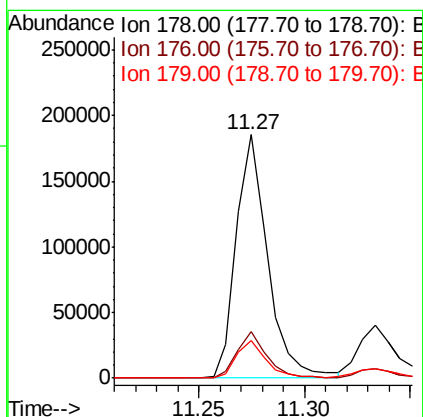
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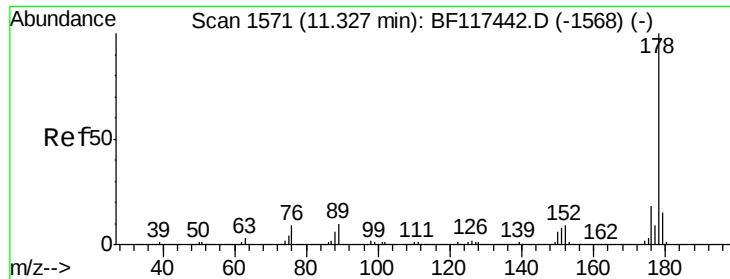
mohammad
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#71
Phenanthrene
Concen: 26.563 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	14.6	22.0
179	15.5	12.6	19.0





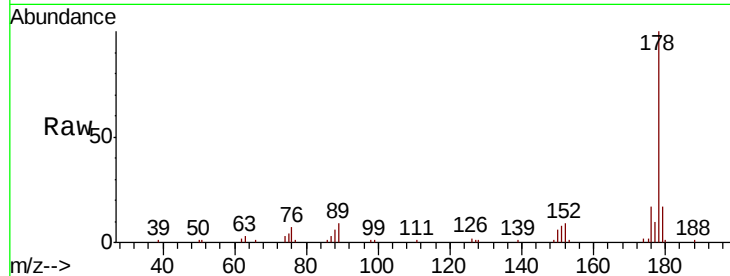
#72
 Anthracene
 Concen: 7.262 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF117658.D
 Acq: 31 Oct 2019 15:17

Instrument :
 BNA_F
 ClientSampleId :
 160-04-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.7	22.1
179	16.5	12.2	18.2

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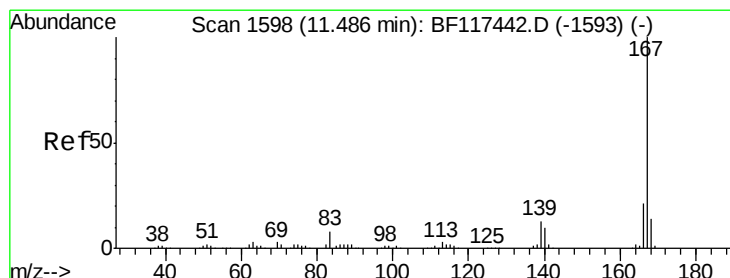
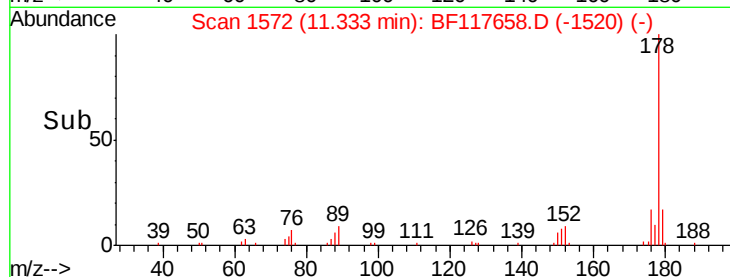
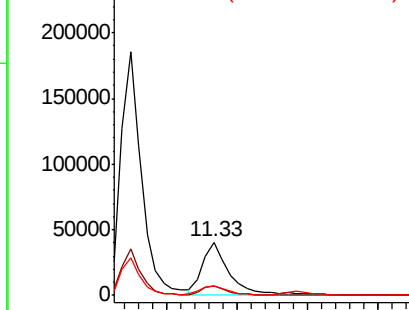


Abundance

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



#73
 Carbazole
 Concen: 3.163 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.02 min
 Lab File: BF117658.D
 Acq: 31 Oct 2019 15:17

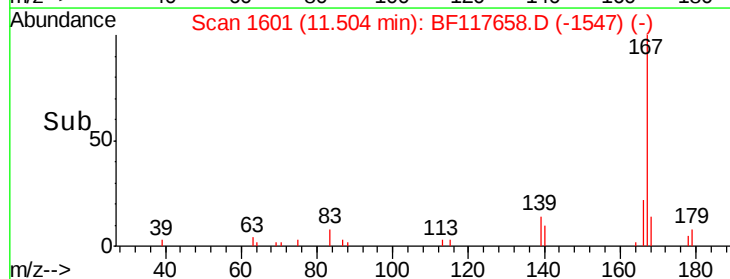
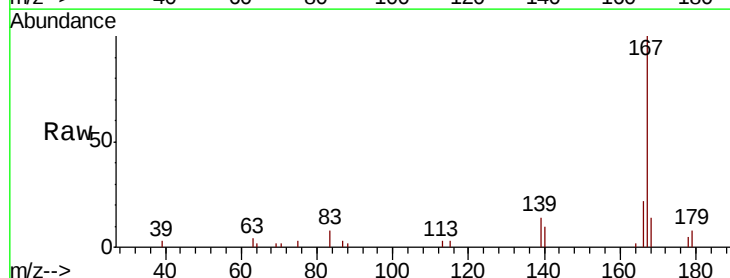
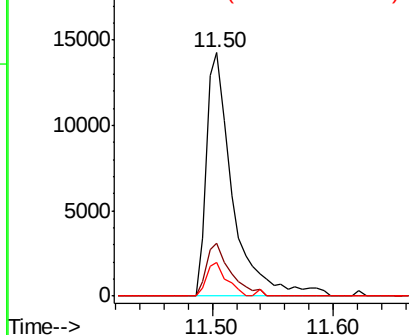
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.6	10.6	16.0

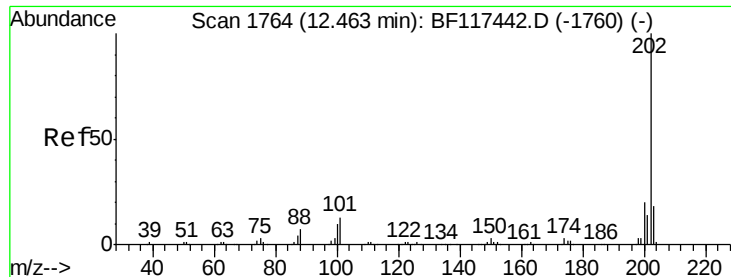
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 31.142 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117658.D

Acq: 31 Oct 2019 15:17

Instrument :

BNA_F

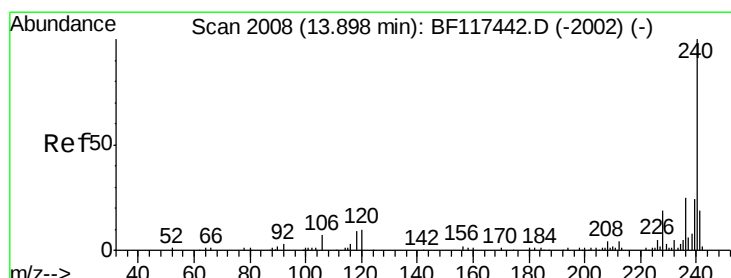
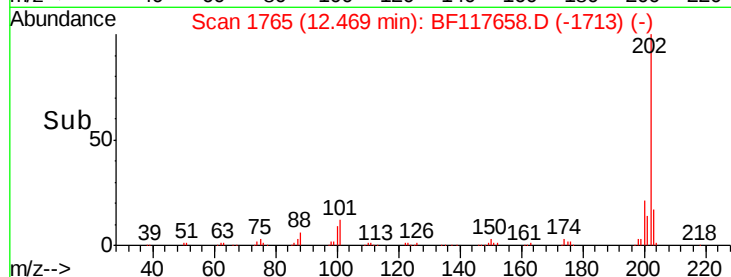
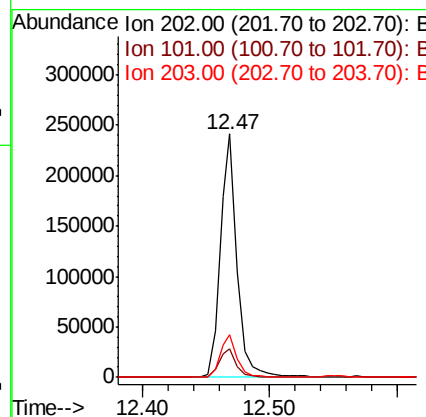
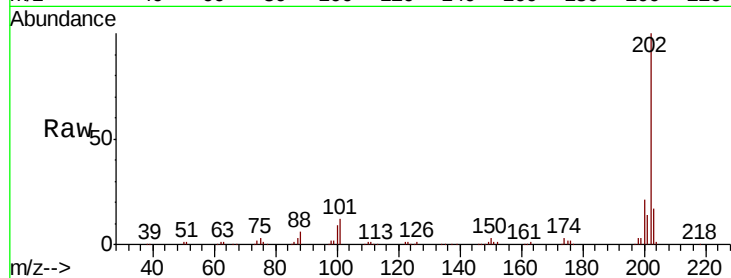
ClientSampleId :

160-04-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	224390		
101	11.8	0.0	32.7	
203	17.3	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

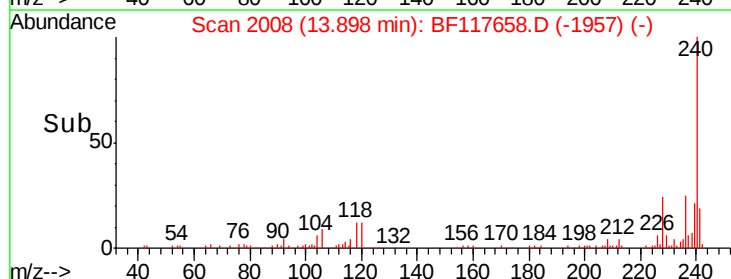
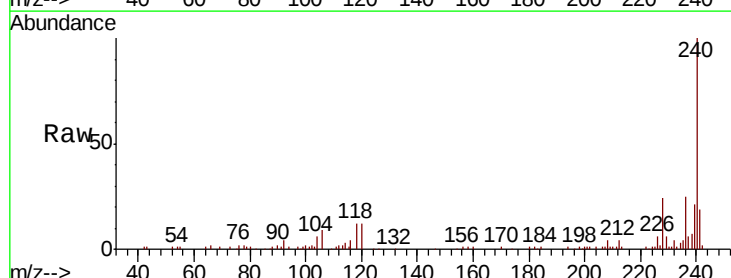
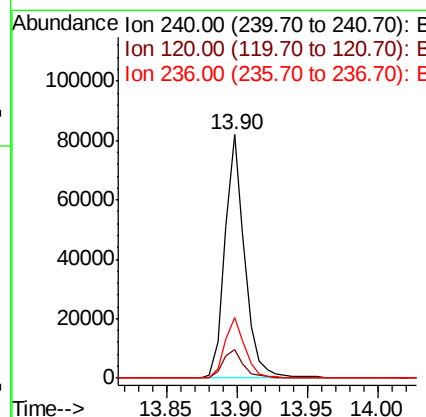
RT: 13.90 min Scan# 2008

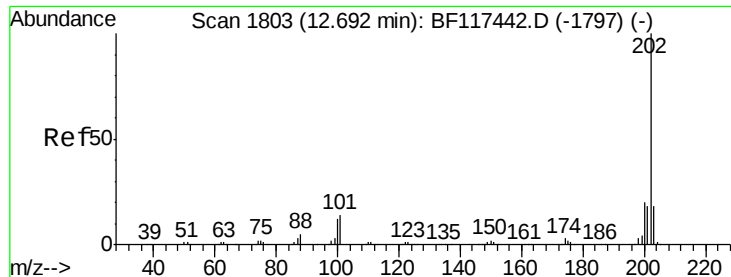
Delta R.T. 0.00 min

Lab File: BF117658.D

Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	79289		
120	11.8	8.4	12.6	
236	24.9	20.0	30.0	





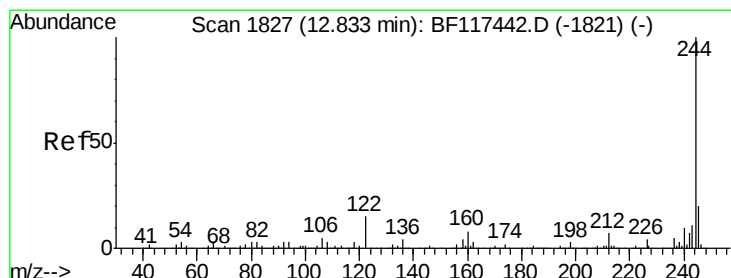
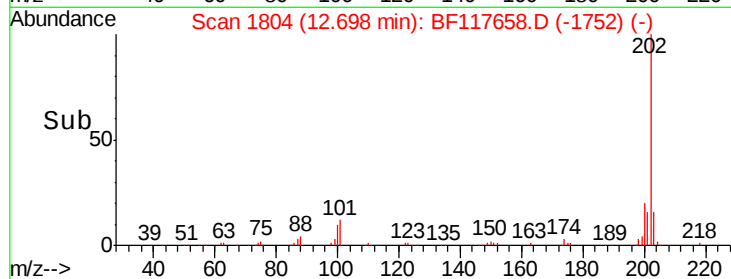
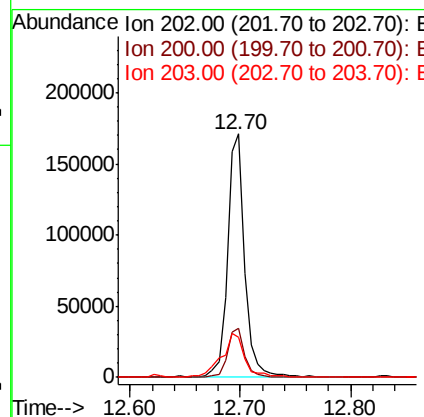
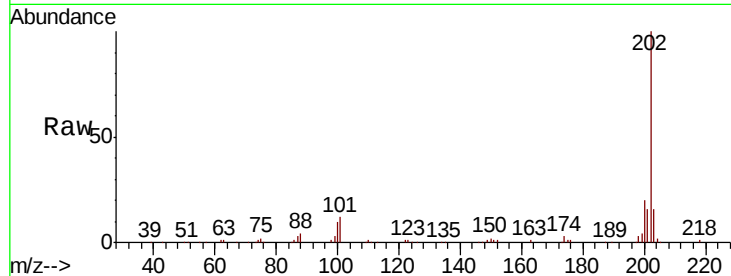
#78
Pvrene
Concen: 26.882 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	16.3	14.0	21.0

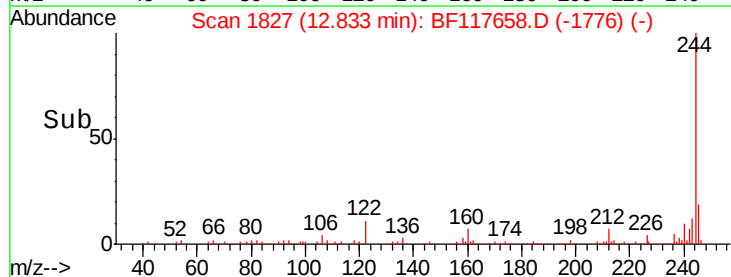
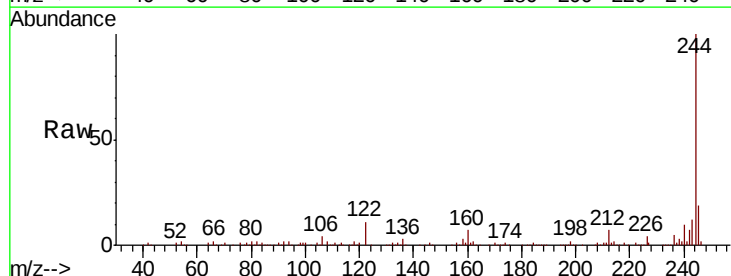
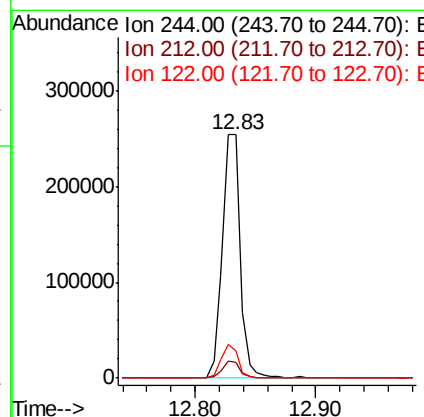
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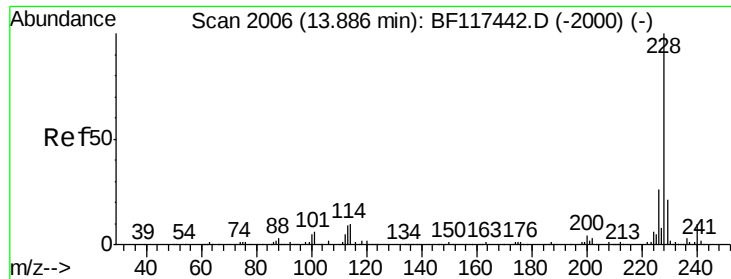
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#79
Terphenyl-d14
Concen: 53.361 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	11.3	11.8	17.8#





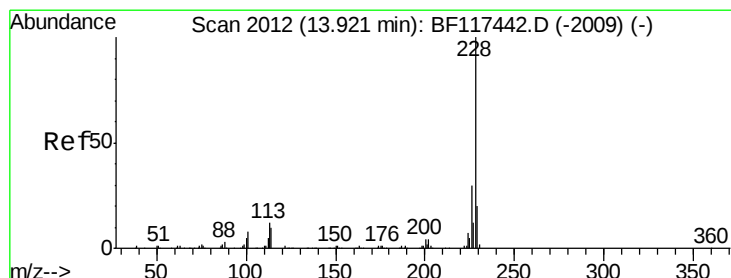
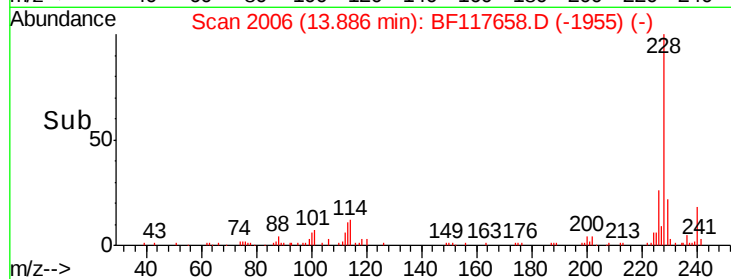
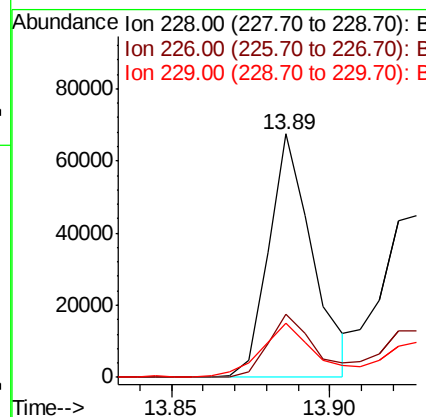
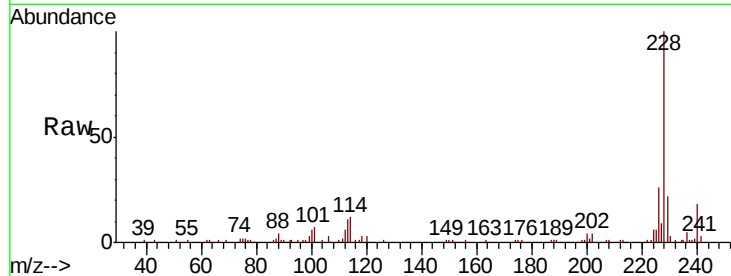
#81
Benzo(a)anthracene
Concen: 12.133 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.0	31.4
229	22.1	16.4	24.6

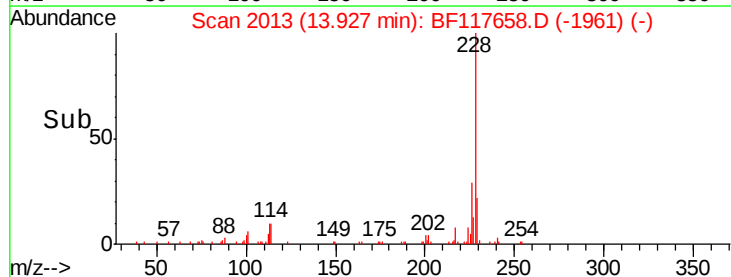
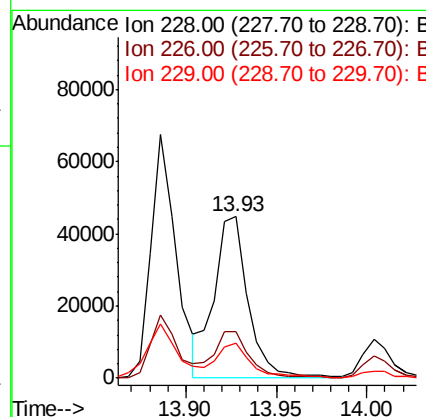
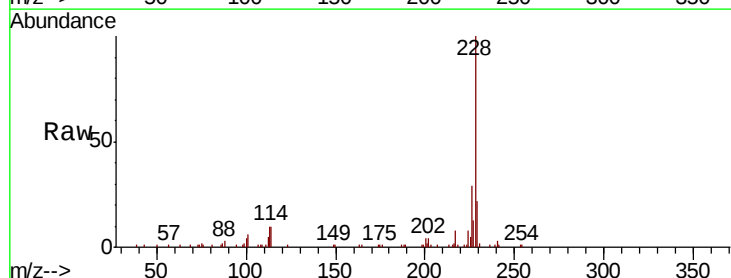
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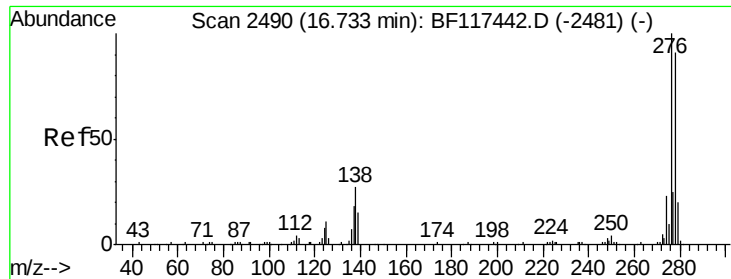
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#83
Chrysene
Concen: 11.155 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	21.8	15.8	23.6





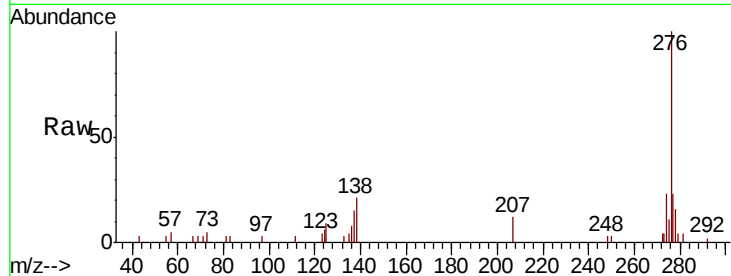
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.893 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. 0.04 min
 Lab File: BF117658.D
 Acq: 31 Oct 2019 15:17

Instrument :
 BNA_F
 ClientSampleId :
 160-04-(0-1)

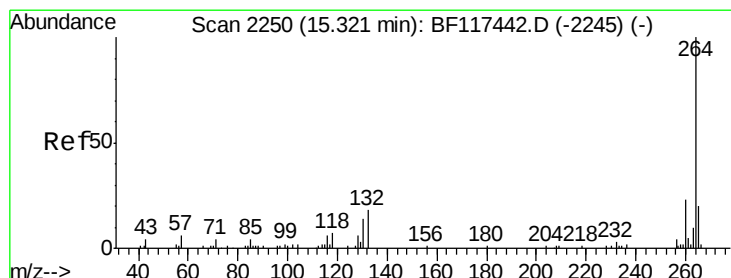
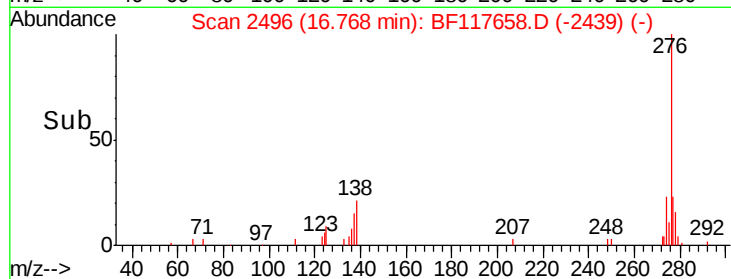
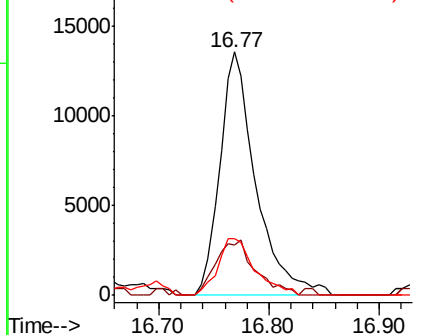
Tot Ion:	276	Resp:	30888
Ion Ratio	Lower	Upper	
276	100		
138	24.6	21.8	32.8
277	24.2	20.0	30.0

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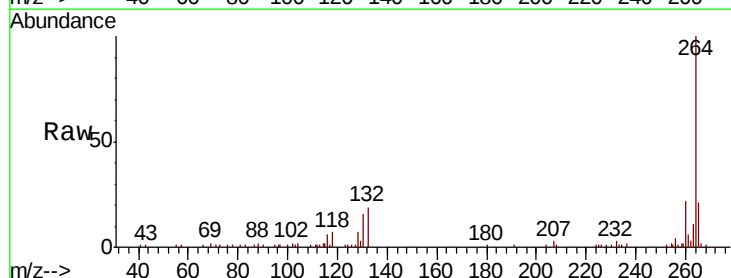


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

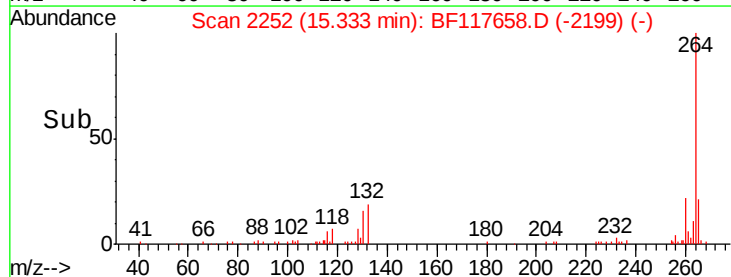
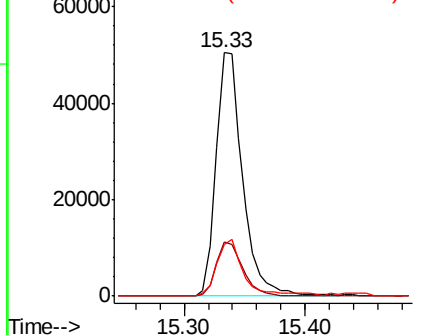


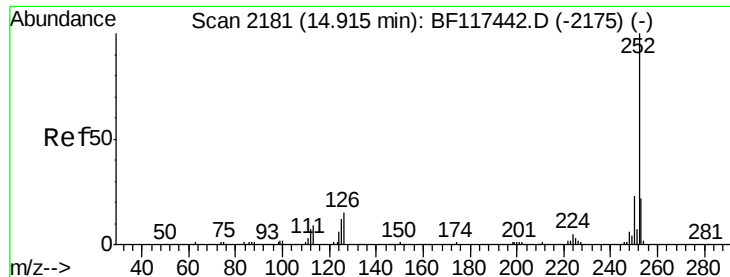
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117658.D
 Acq: 31 Oct 2019 15:17

Tgt Ion:	264	Resp:	76483
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.4	27.6
265	21.2	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





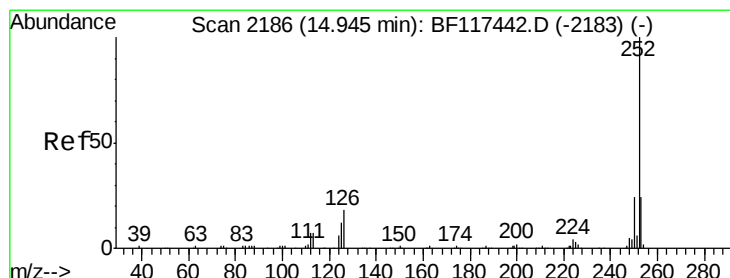
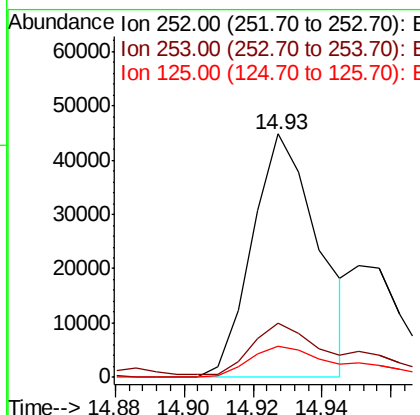
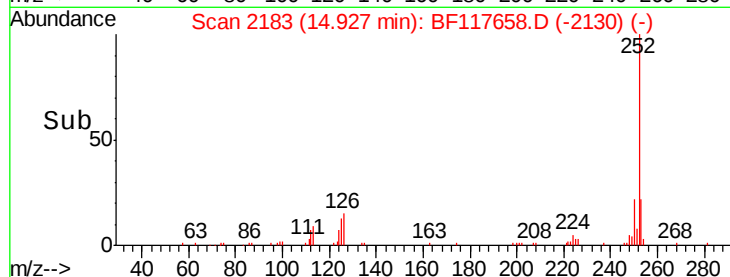
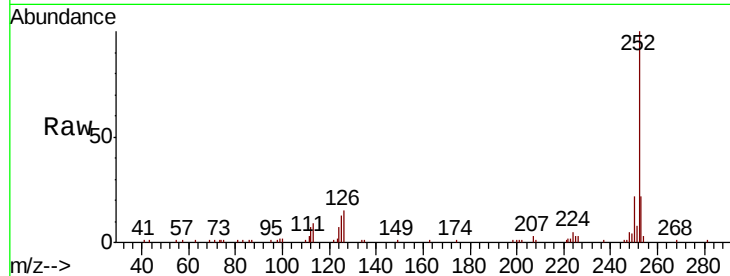
#88
Benzo(b)fluoranthene
Concen: 13.228 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.7	9.9	14.9

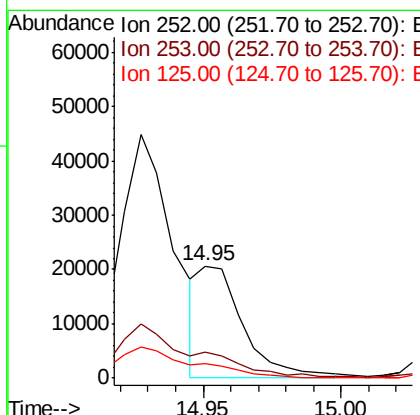
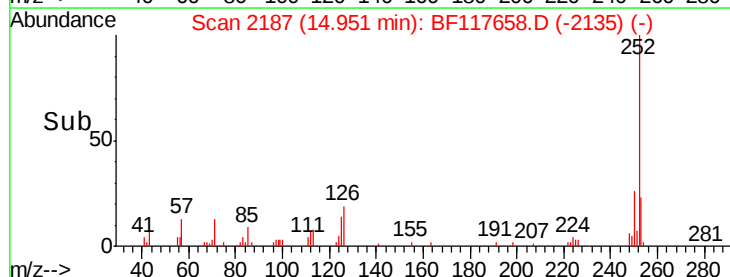
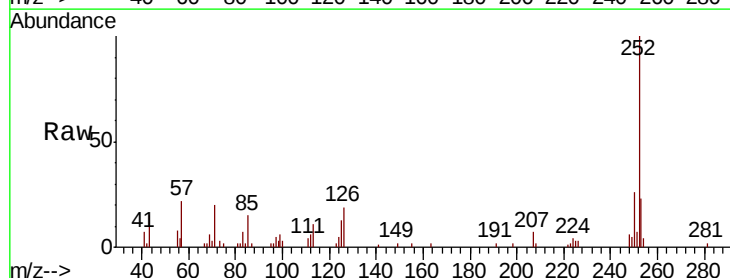
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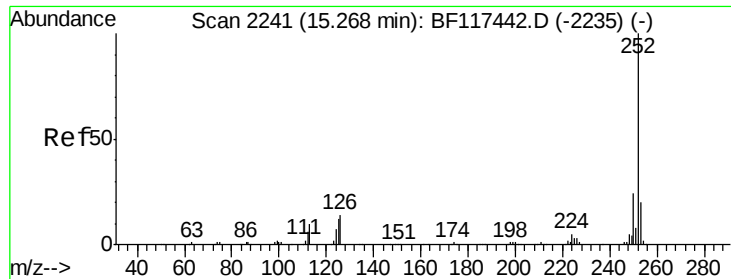
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#89
Benzo(k)fluoranthene
Concen: 4.997 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.4	8.9	13.3#





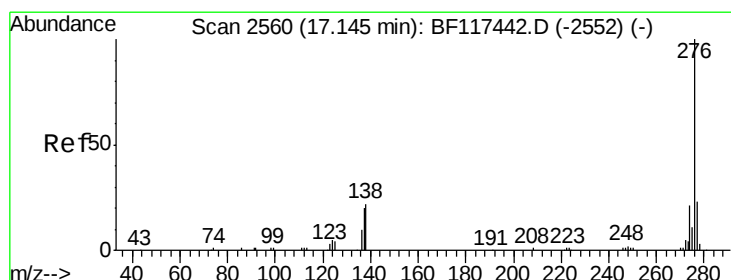
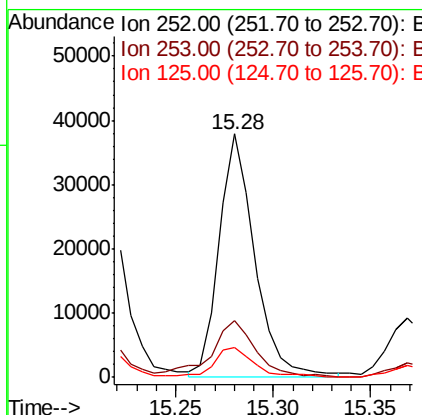
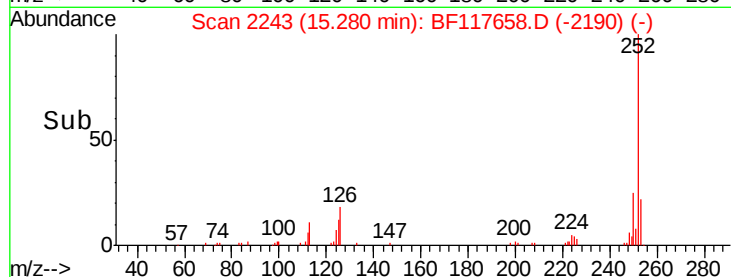
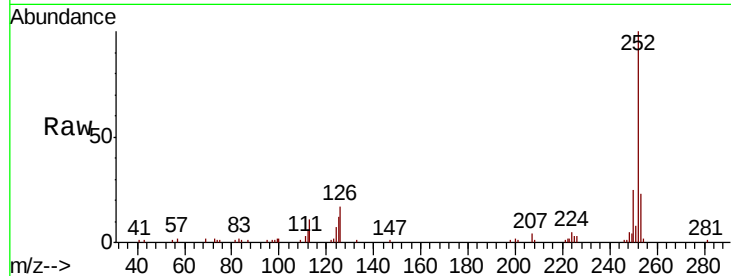
#90
Benzo(a)pyrene
Concen: 11.763 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Instrument :
BNA_F
ClientSampleId :
160-04-(0-1)

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.5	16.3	24.5	
125	12.4	9.2	13.8	

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#92
Benzo(g,h,i)perylene
Concen: 9.043 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117658.D
Acq: 31 Oct 2019 15:17

Tgt Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.6	18.4	27.6	
138	27.1	17.8	26.6#	

