

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117660.D
 Acq On : 31 Oct 2019 16:11
 Operator : JU
 Sample : K5541-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 153-63-(0-2)

Manual Integrations
 APPROVED

mohammad
 11/1/2019 12:34:33 PM

Quant Time: Nov 01 01:46:03 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	32869	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	134174	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	70334	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	121253	20.00	ng	0.00
76) Chrysene-d12	13.90	240	70981	20.00	ng	0.00
87) Perylene-d12	15.33	264	72006	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	204382	92.51	ng	0.00
7) Phenol-d6	6.39	99	299344	100.88	ng	0.00
23) Nitrobenzene-d5	7.30	82	185895	68.40	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	51591	84.77	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	216347	43.34	ng	-0.01
79) Terphenyl-d14	12.83	244	174709	40.15	ng	0.00
Target Compounds						
10) Phenol	6.40	94	12038	3.975	ng	Qvalue # 78
50) Dimethylphthalate	9.49	163	33525	6.686	ng	99
71) Phenanthrene	11.27	178	34144	4.850	ng	97
75) Fluoranthene	12.47	202	114703	16.274	ng	99
78) Pyrene	12.70	202	110540	18.131	ng	100
81) Benzo(a)anthracene	13.89	228	48790	10.190	ng	97
83) Chrysene	13.92	228	32144	6.850	ng	95
86) Indeno(1,2,3-cd)pyrene	16.77	276	22201	6.337	ng	99
88) Benzo(b)fluoranthene	14.93	252	42644m	10.029	ng	
89) Benzo(k)fluoranthene	14.95	252	16837m	3.863	ng	
90) Benzo(a)pyrene	15.28	252	35239	9.115	ng	96
92) Benzo(a,h,i)perylene	17.20	276	20269	6.408	ng	97

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

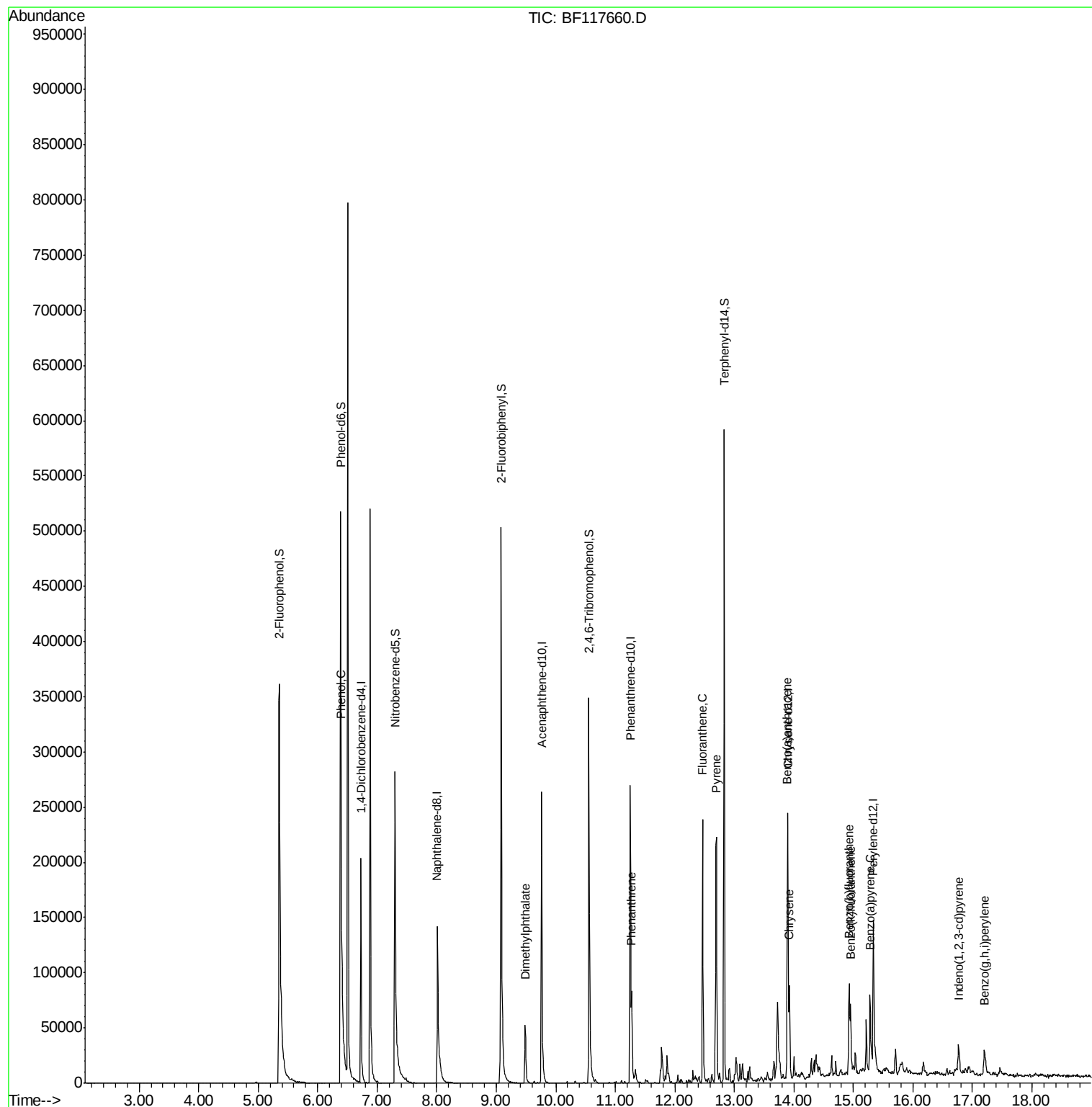
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
Data File : BF117660.D
Acq On : 31 Oct 2019 16:11
Operator : JU
Sample : K5541-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
153-63-(0-2)

Manual Integrations
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11/1/2019 12:34:33 PM

Quant Time: Nov 01 01:46:03 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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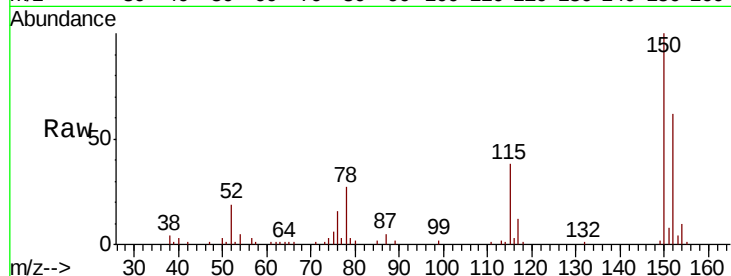
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117660.D
 Acq: 31 Oct 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :
 153-63-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	126.8	190.2
115	60.9	51.6	77.4

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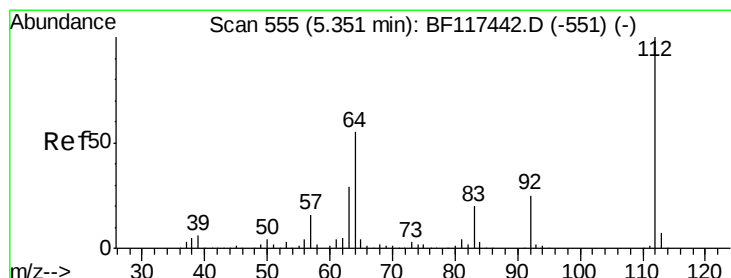
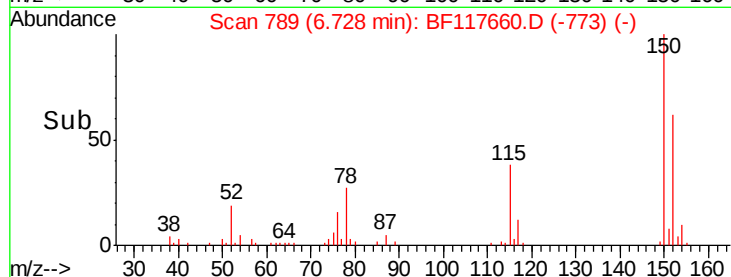
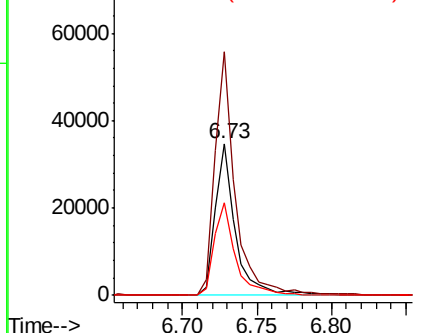


Abundance

Ion 152.00 (151.70 to 152.70): E

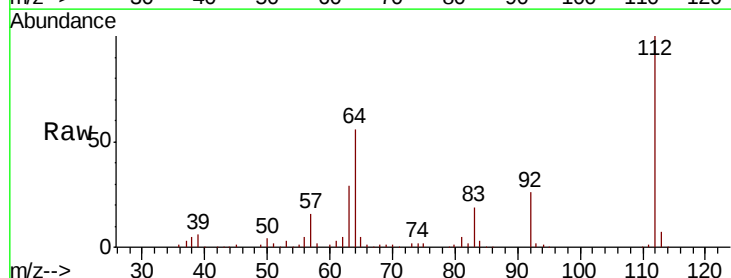
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 92.507 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117660.D
 Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.1	66.1
63	28.6	23.4	35.2

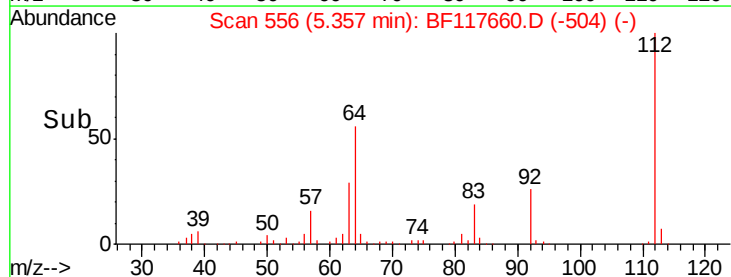
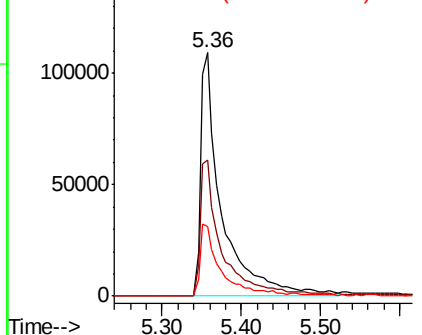


Abundance

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: 100.876 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117660.D

Acq: 31 Oct 2019 16:11

Instrument :

BNA_F

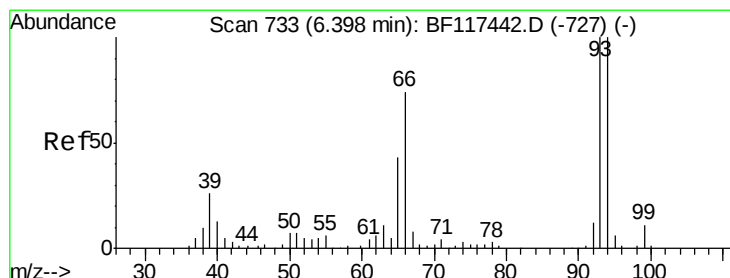
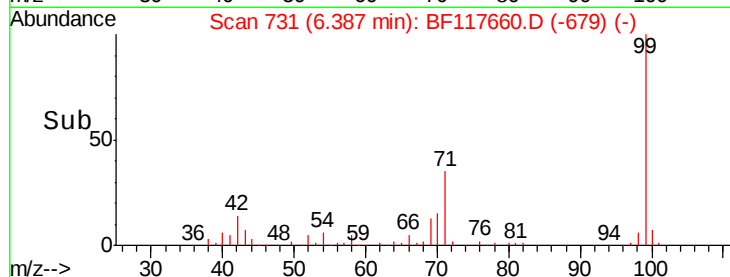
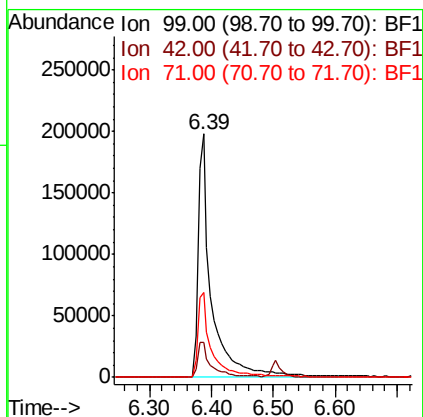
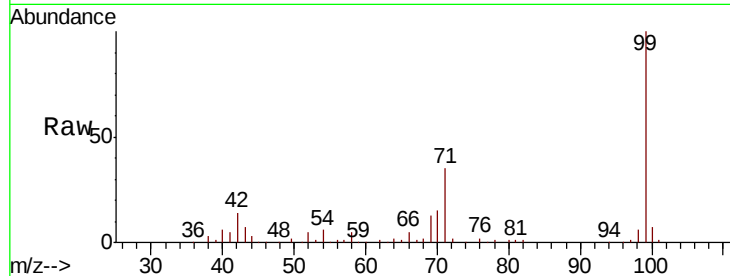
ClientSampleId :

153-63-(0-2)

Tot Ion:	99	Resp:	299344
Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.8	19.2
71	35.1	28.6	43.0

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#10

Phenol

Concen: 3.975 ng

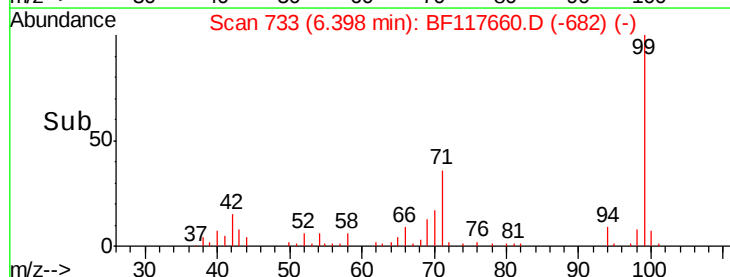
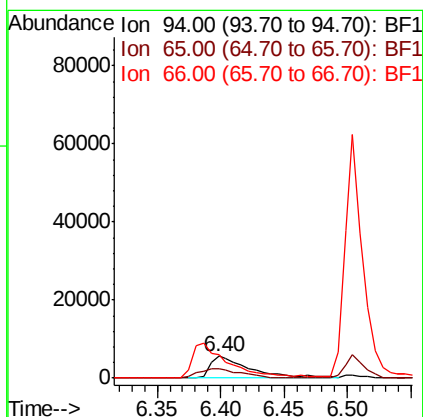
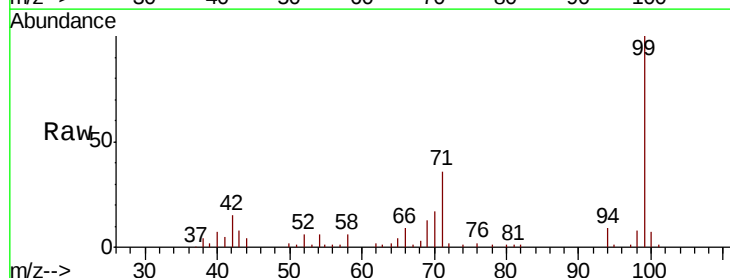
RT: 6.40 min Scan# 733

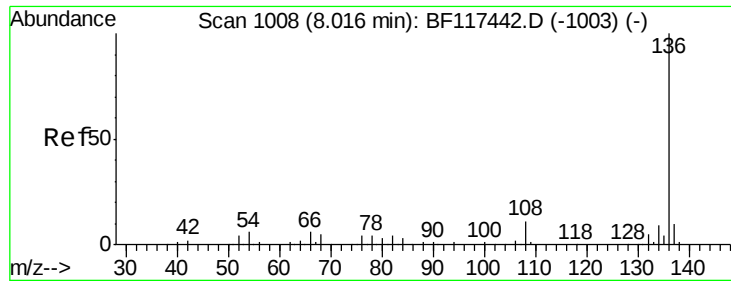
Delta R.T. 0.00 min

Lab File: BF117660.D

Acq: 31 Oct 2019 16:11

Tgt Ion:	94	Resp:	12038
Ion	Ratio	Lower	Upper
94	100		
65	42.0	23.4	63.4
66	103.5	54.7	94.7#





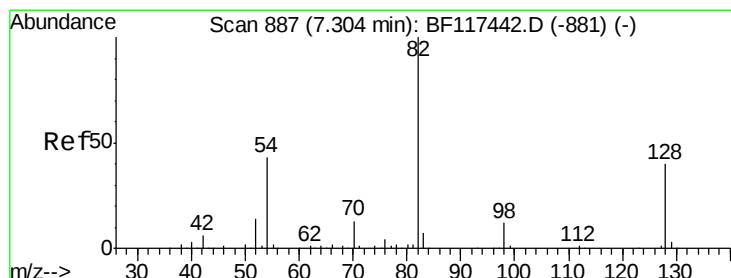
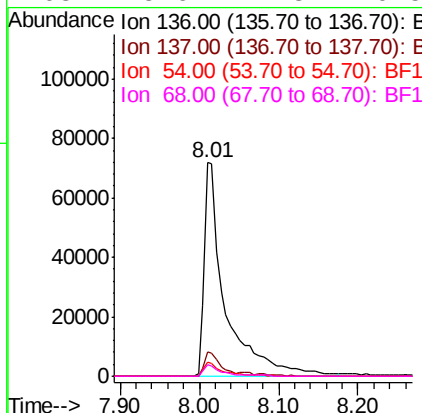
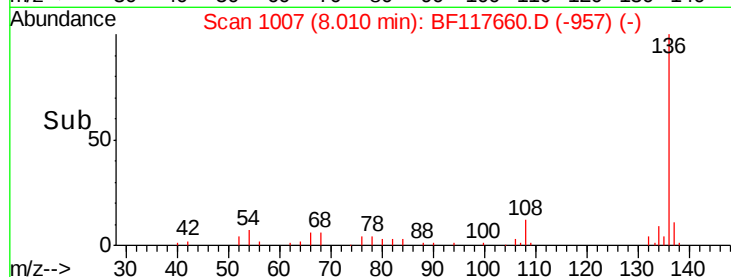
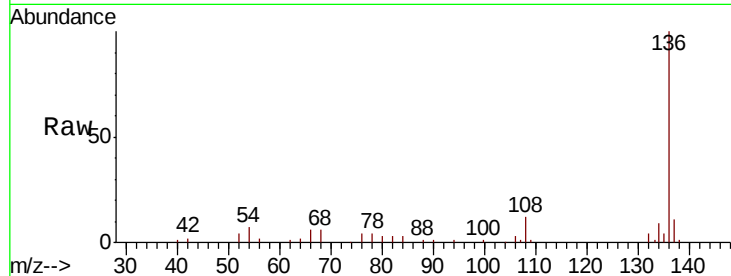
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Instrument :
BNA_F
ClientSampled :
153-63-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	134174		
137	11.4	8.2	12.4	
54	6.8	4.5	6.7	
68	5.6	4.3	6.5	

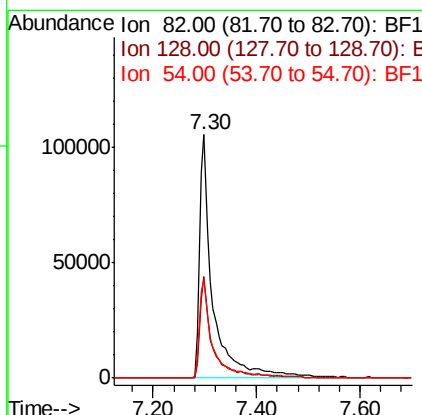
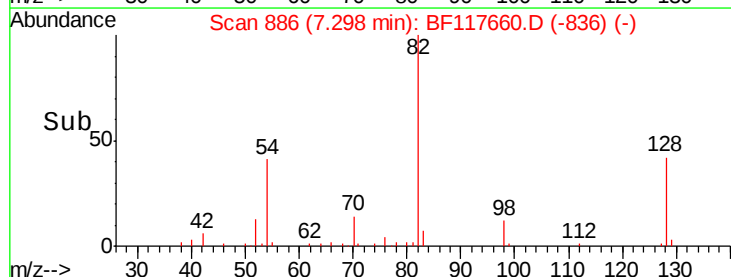
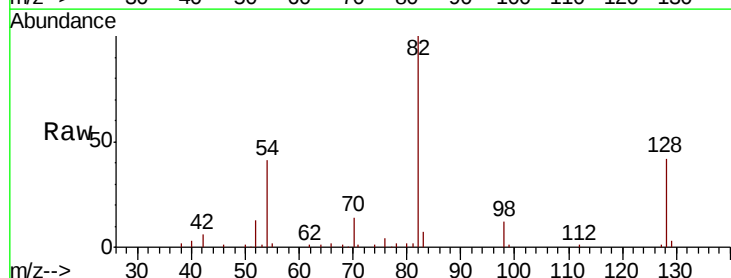
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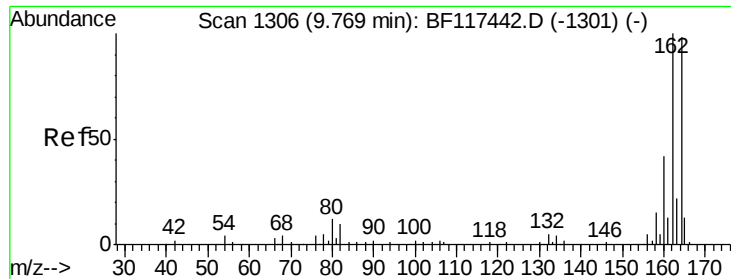
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#23
Nitrobenzene-d5
Concen: 68.398 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	185895		
128	41.9	32.2	48.2	
54	40.7	34.2	51.2	





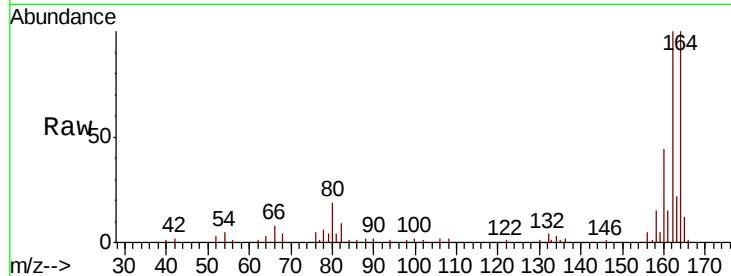
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Instrument :
BNA_F
ClientSampleId :
153-63-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.8	122.6
160	44.1	34.4	51.6

Manual Integrations
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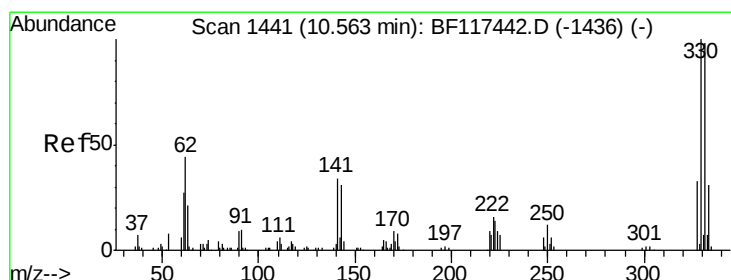
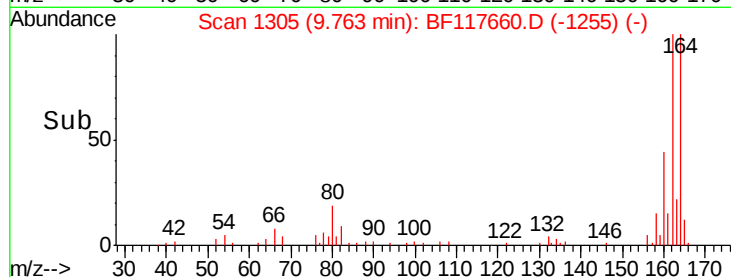
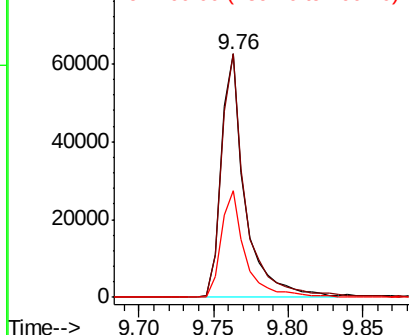


Abundance

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: 84.774 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

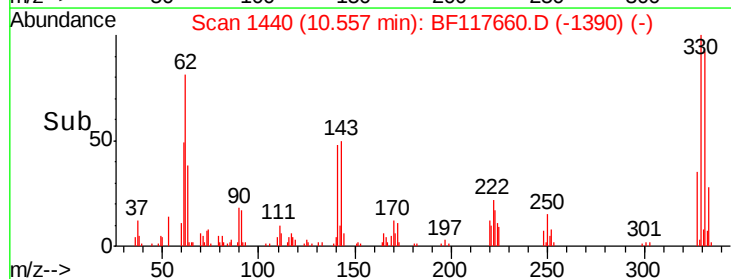
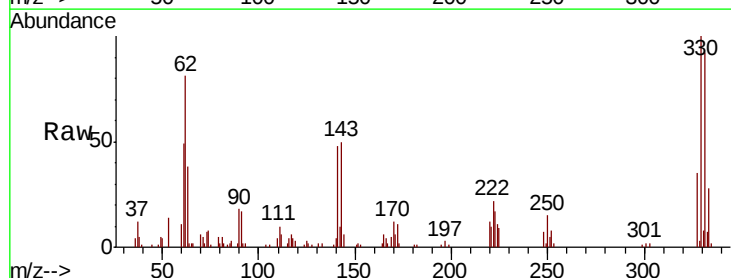
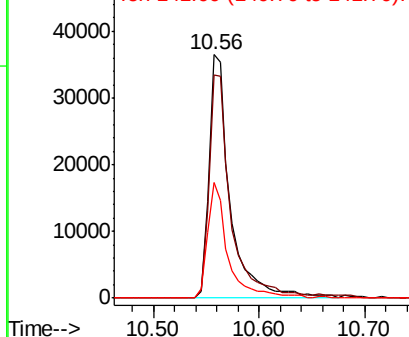
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	44.9	37.0	55.6

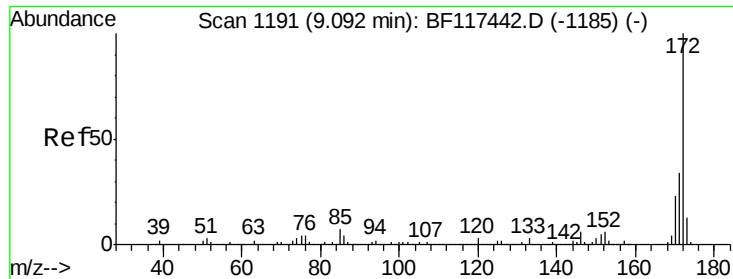
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





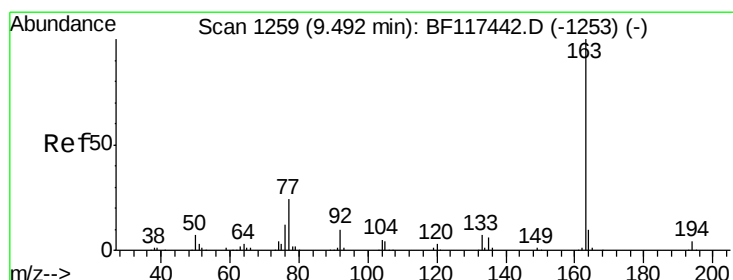
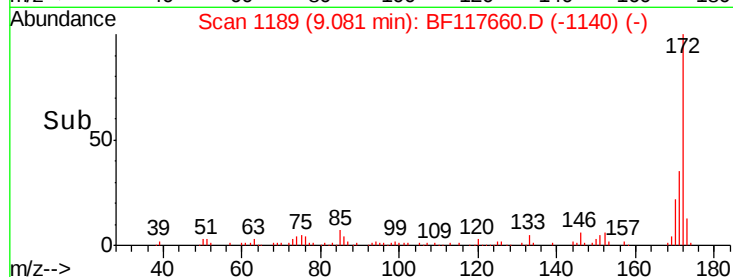
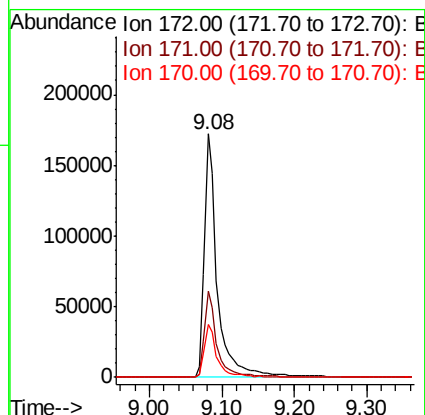
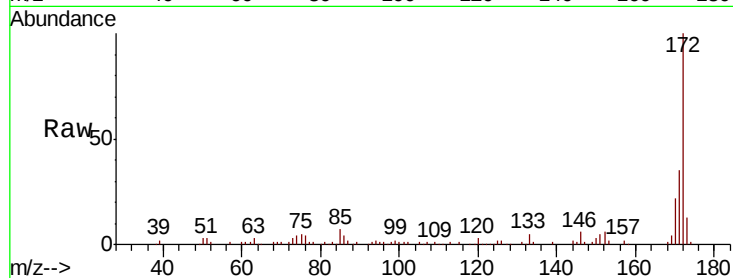
#45
2-Fluorobiphenyl
Concen: 43.340 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Instrument :
BNA_F
ClientSampleId :
153-63-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.5	41.3
170	21.6	18.6	27.8

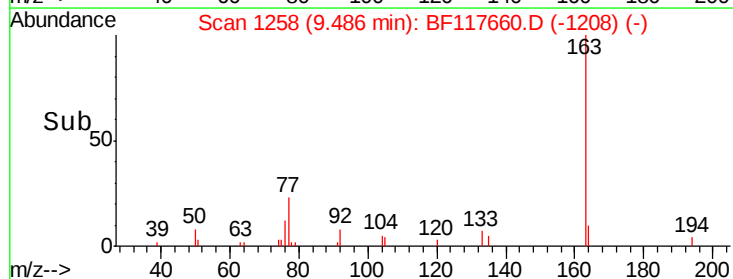
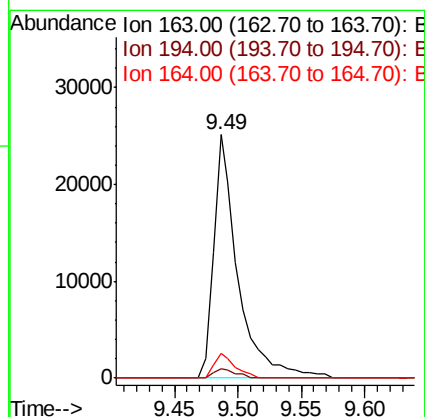
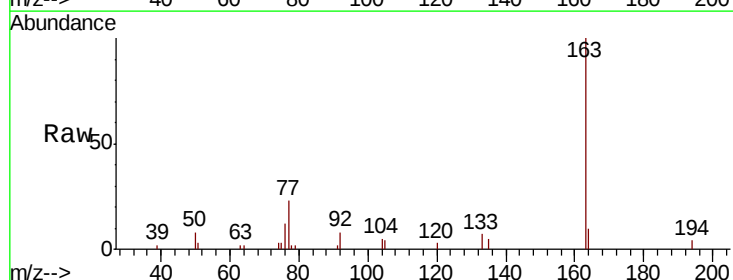
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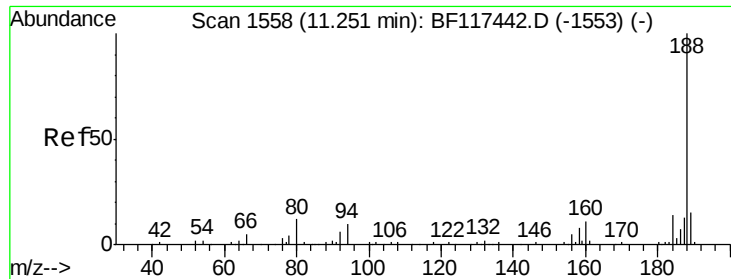
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#50
Dimethylphthalate
Concen: 6.686 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	10.4	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117660.D

Acq: 31 Oct 2019 16:11

Instrument :

BNA_F

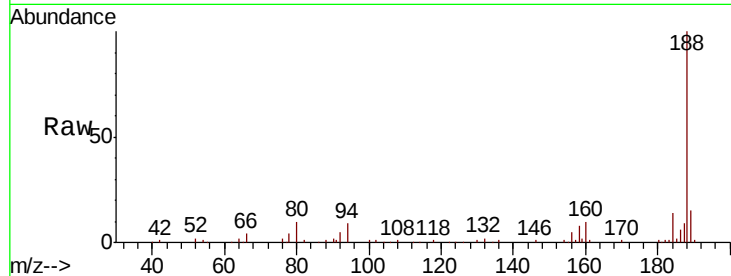
ClientSampleId :

153-63-(0-2)

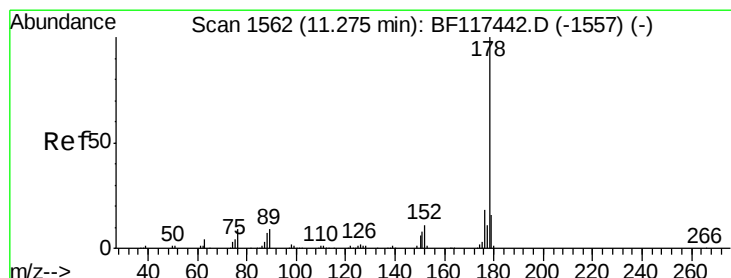
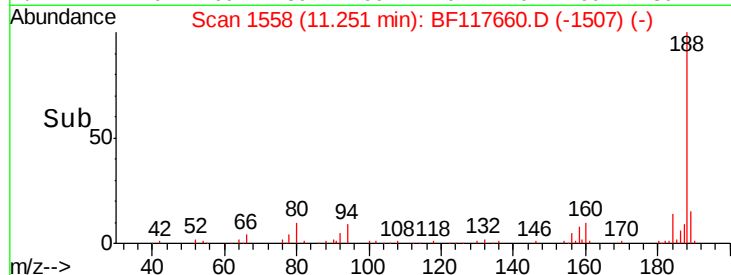
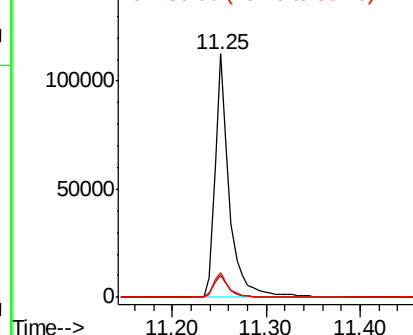
Tot Ion	Ratio	Resp	Lower	Upper
188	100	121253		
94	9.1	8.0	12.0	
80	10.0	9.5	14.3	

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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: 4.850 ng

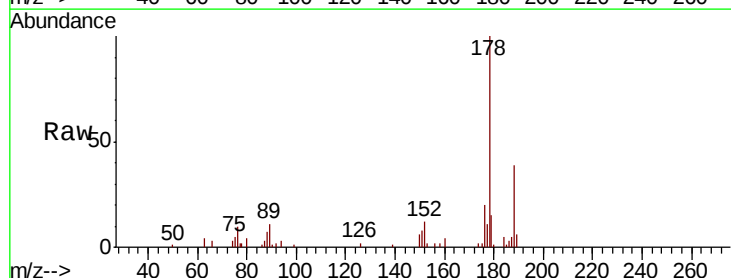
RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

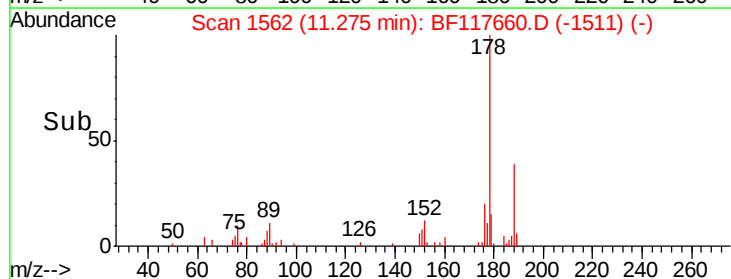
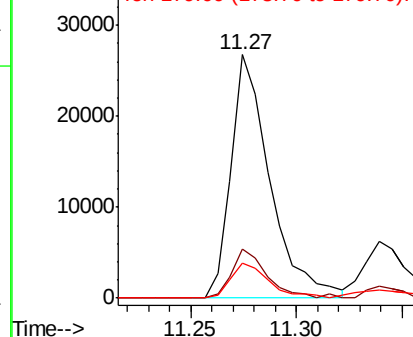
Lab File: BF117660.D

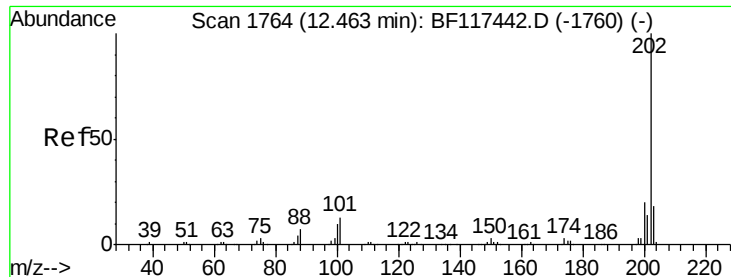
Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	34144		
176	20.1	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





#75

Fluoranthene

Concen: 16.274 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117660.D

Acq: 31 Oct 2019 16:11

Instrument :

BNA_F

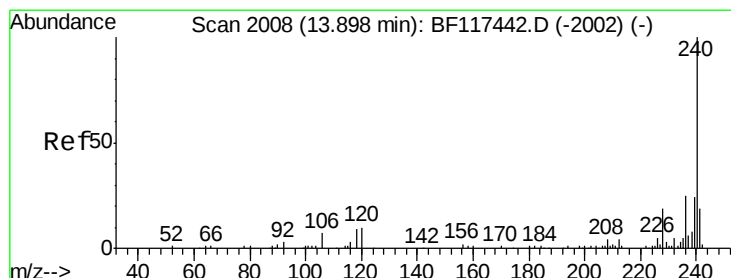
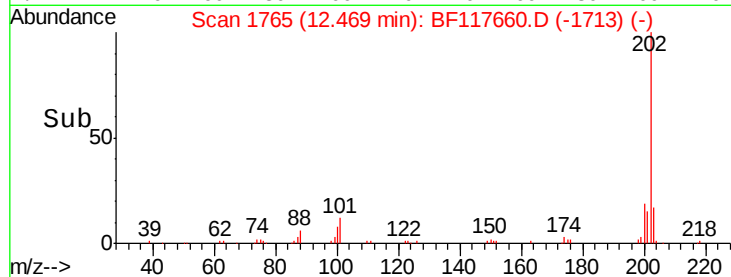
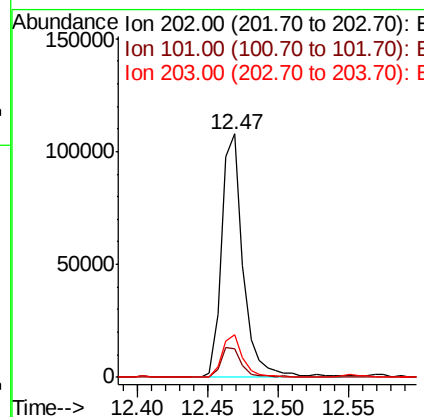
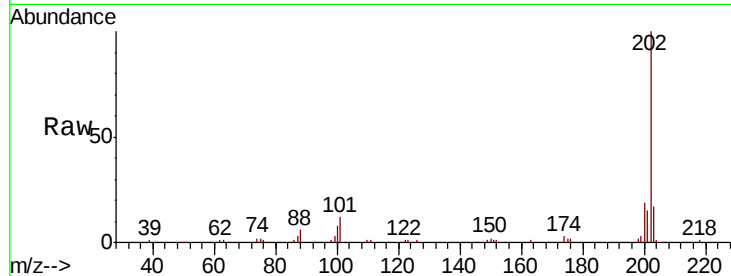
ClientSampleId :

153-63-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		114703		
101	11.6	0.0	32.7		
203	17.5	0.0	37.6		

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#76

Chrysene-d12

Concen: 20.000 ng

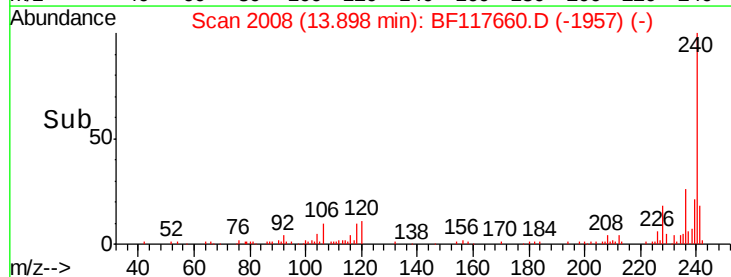
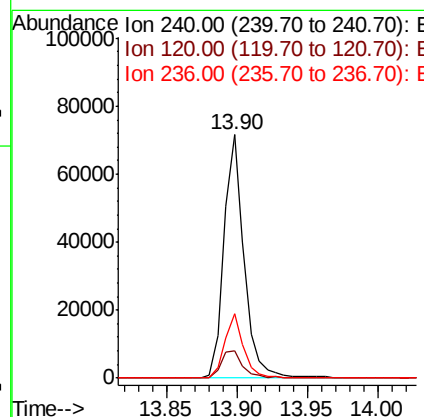
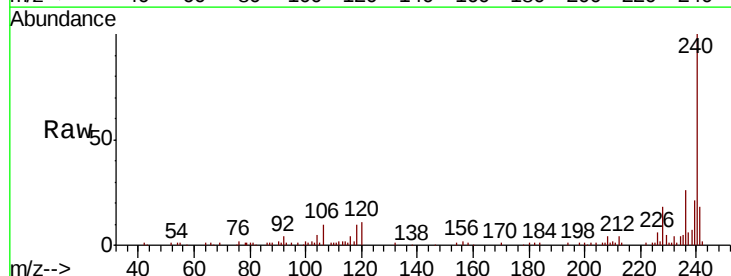
RT: 13.90 min Scan# 2008

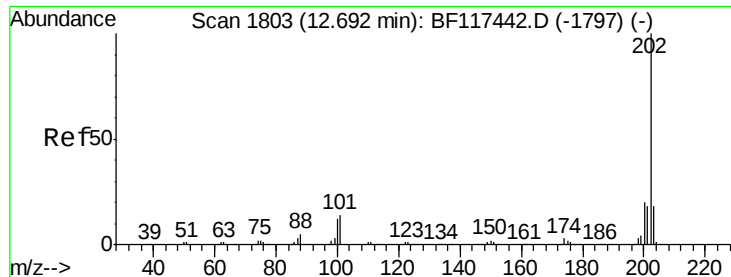
Delta R.T. 0.00 min

Lab File: BF117660.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		70981		
120	11.2	8.4	12.6		
236	26.2	20.0	30.0		





#78

Pvrene

Concen: 18.131 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117660.D

Acq: 31 Oct 2019 16:11

Instrument :

BNA_F

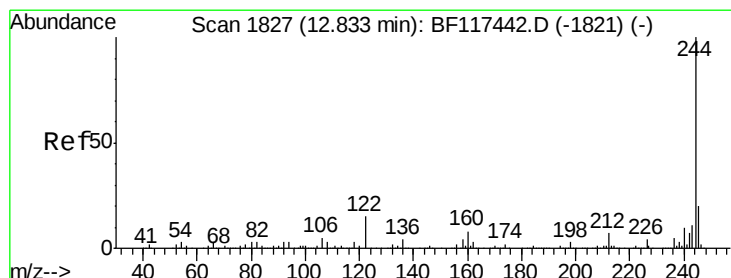
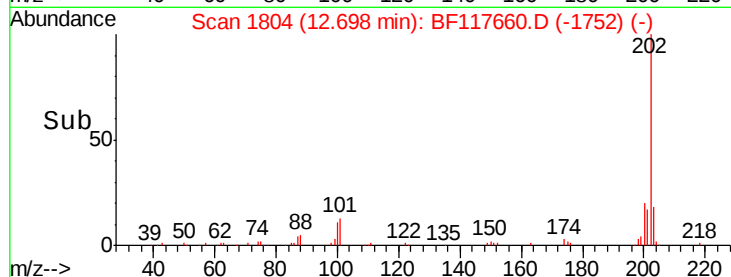
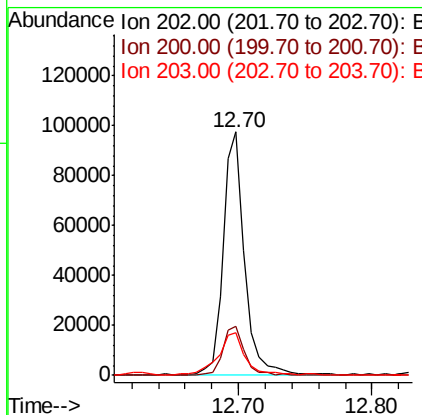
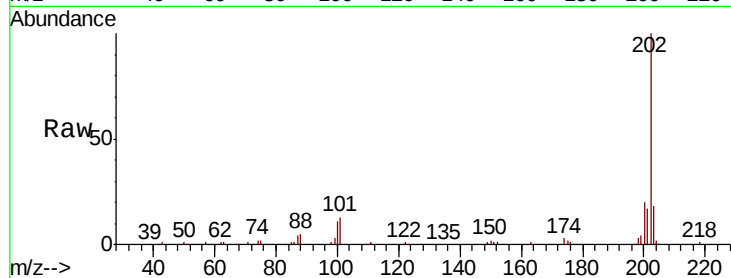
ClientSampleId :

153-63-(0-2)

Tot Ion:	202	Resp:	110540
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.2	24.2
203	17.5	14.0	21.0

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#79

Terphenyl-d14

Concen: 40.147 ng

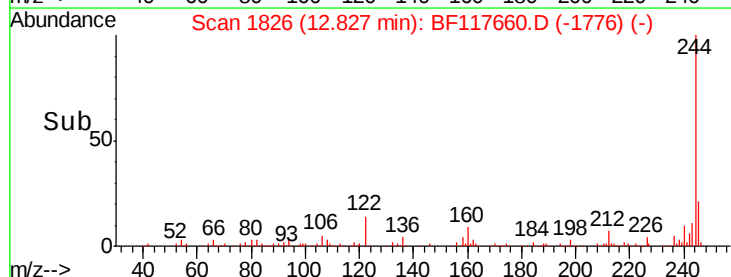
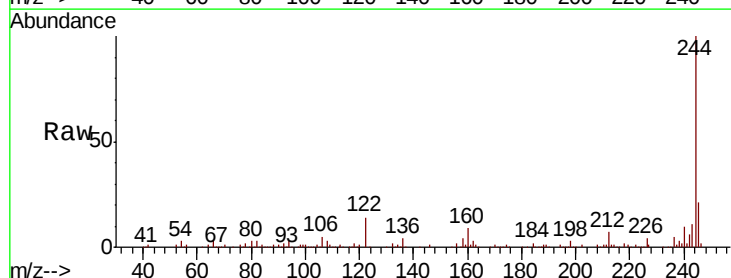
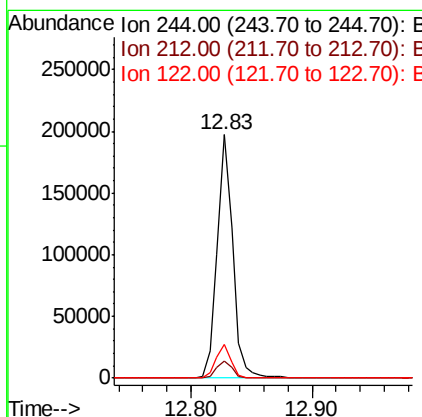
RT: 12.83 min Scan# 1826

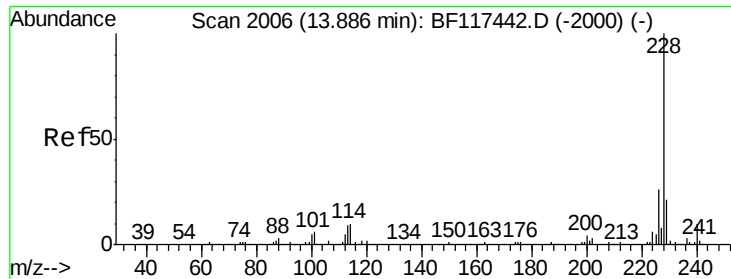
Delta R.T. -0.01 min

Lab File: BF117660.D

Acq: 31 Oct 2019 16:11

Tgt Ion:	244	Resp:	174709
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.6
122	14.0	11.8	17.8





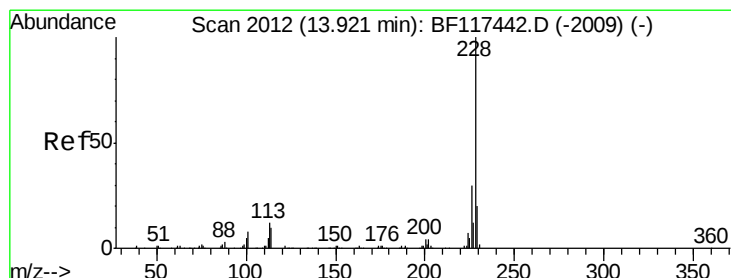
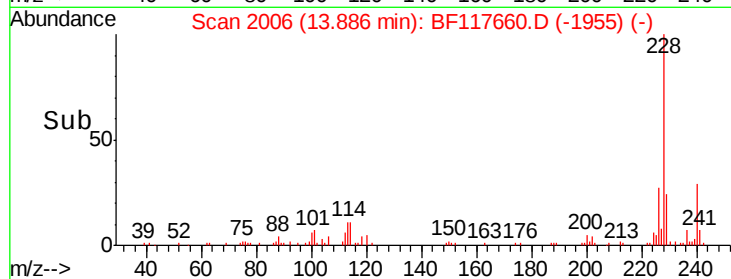
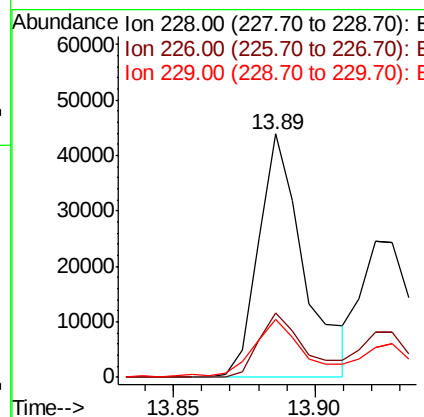
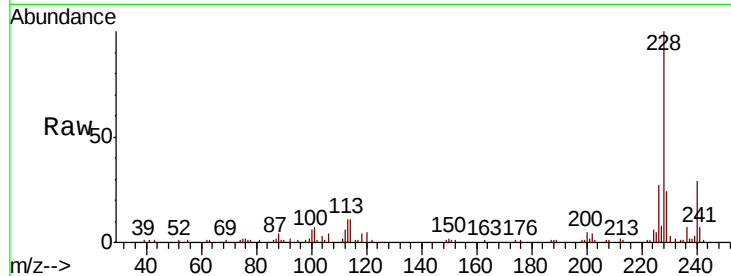
#81
Benzo(a)anthracene
Concen: 10.190 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Instrument :
BNA_F
ClientSampled :
153-63-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.4
229	23.6	16.4	24.6

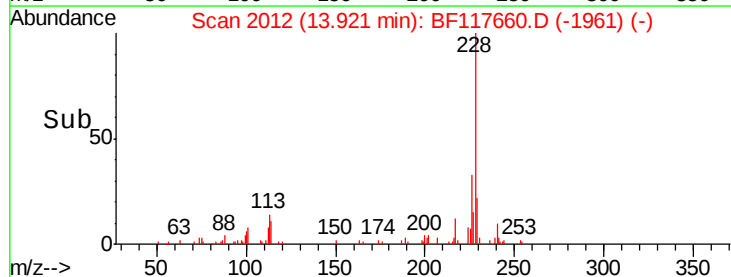
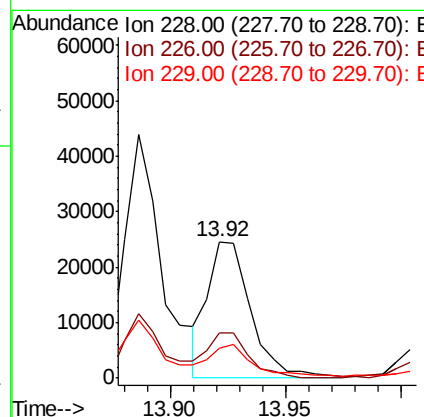
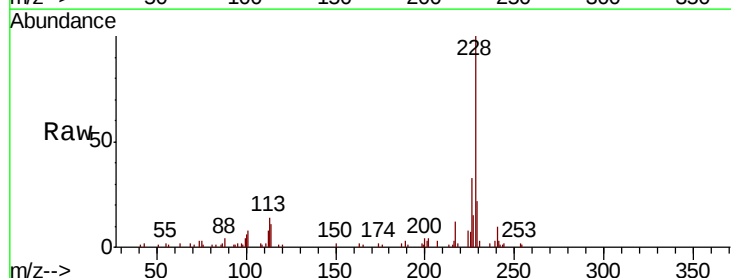
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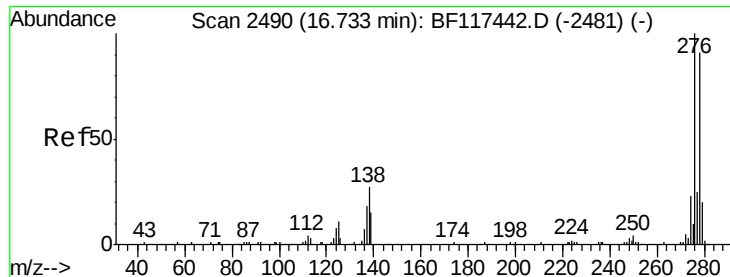
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#83
Chrysene
Concen: 6.850 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	23.9	35.9
229	21.7	15.8	23.6





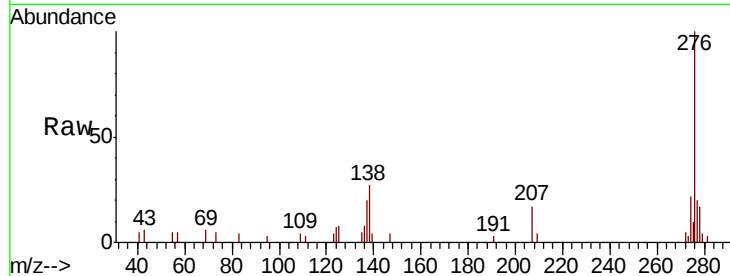
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.337 ng
RT: 16.77 min Scan# 2496
Delta R.T. 0.04 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Instrument :
BNA_F
ClientSampled :
153-63-(0-2)

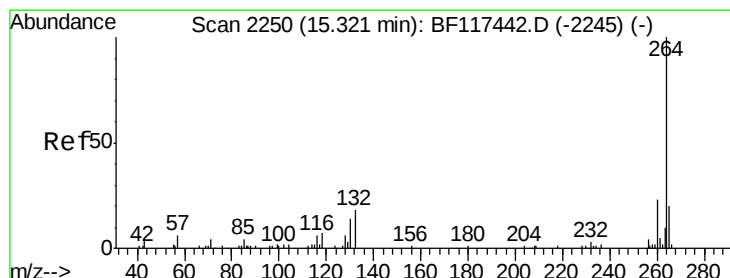
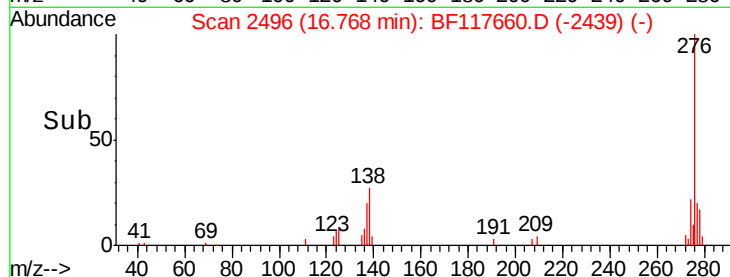
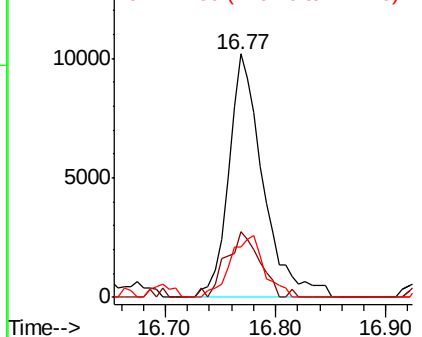
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.8	32.8
277	25.0	20.0	30.0

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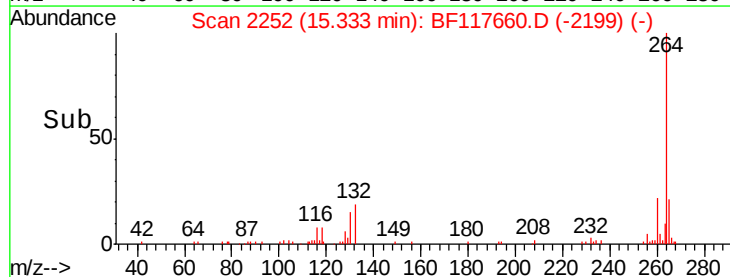
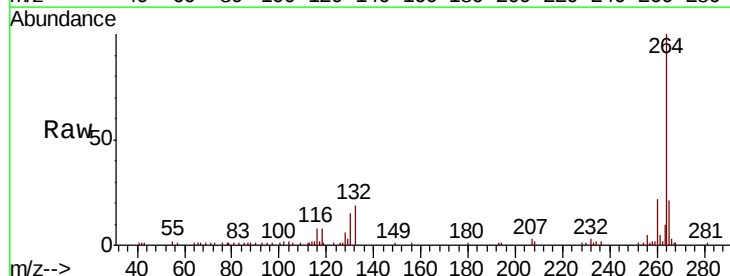
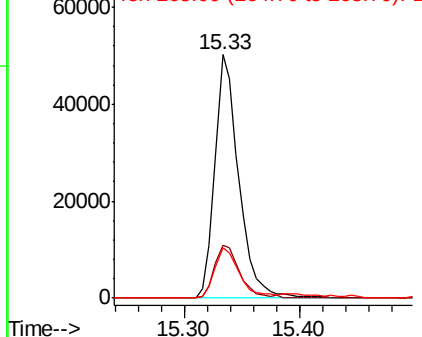
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

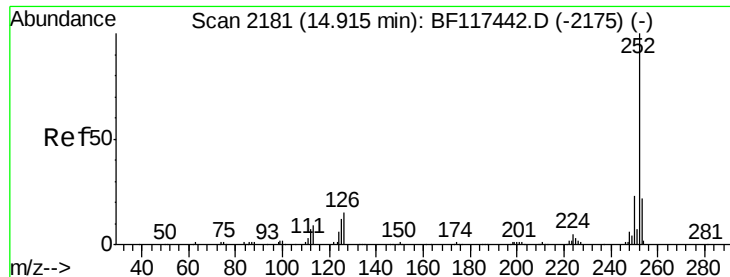


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	20.8	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





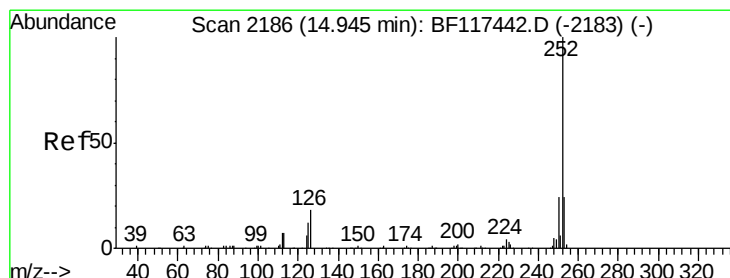
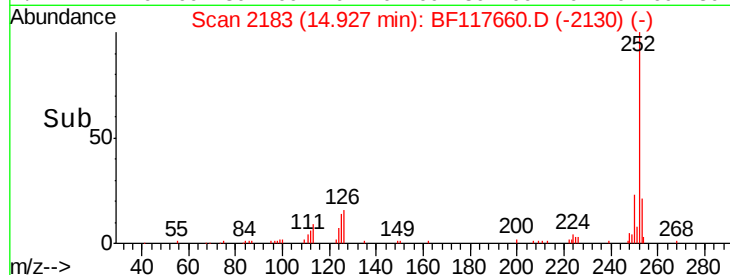
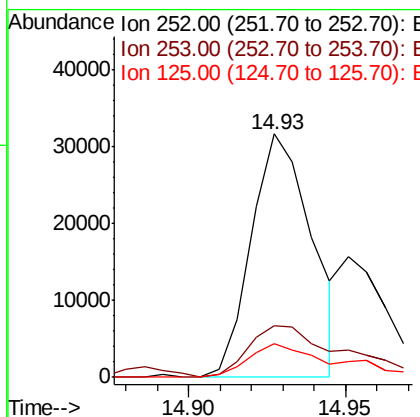
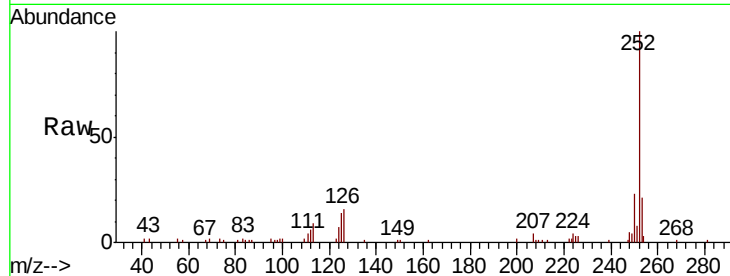
#88
Benzo(b)fluoranthene
Concen: 10.029 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Instrument :
BNA_F
ClientSampleId :
153-63-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	13.9	9.9	14.9

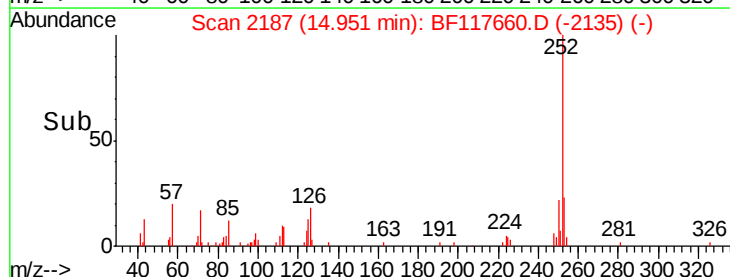
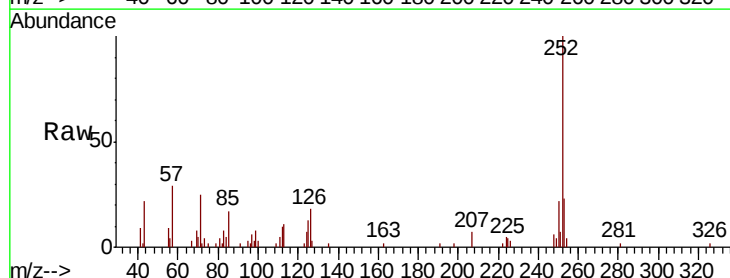
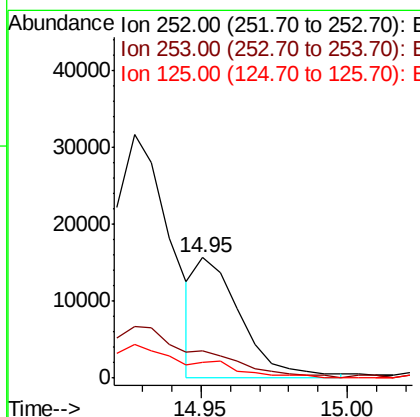
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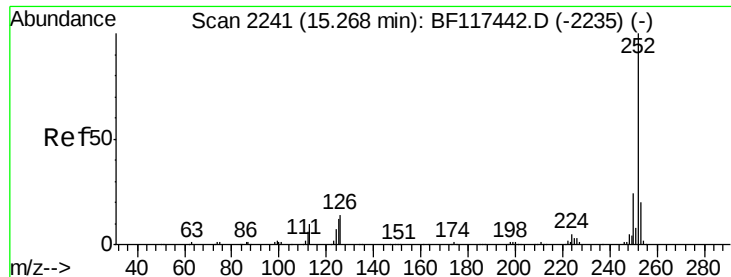
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#89
Benzo(k)fluoranthene
Concen: 3.863 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.4	8.9	13.3#





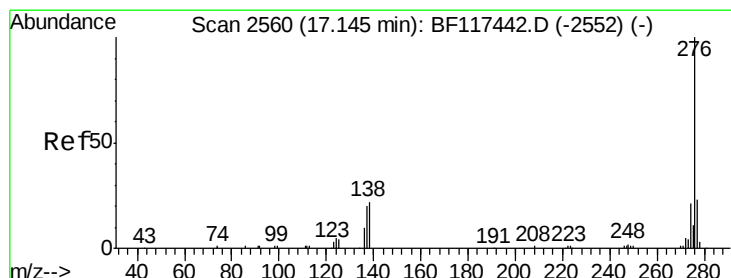
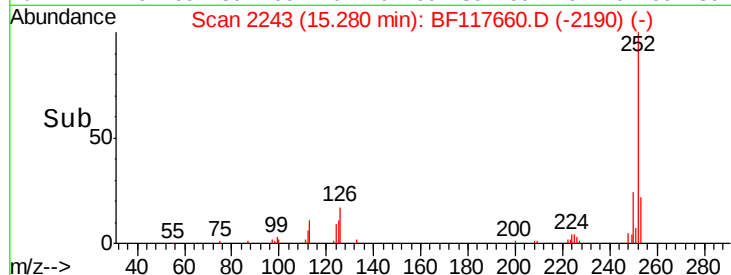
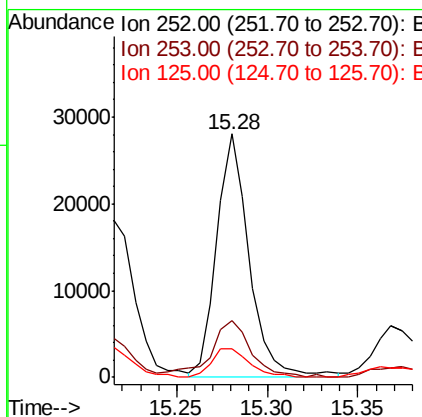
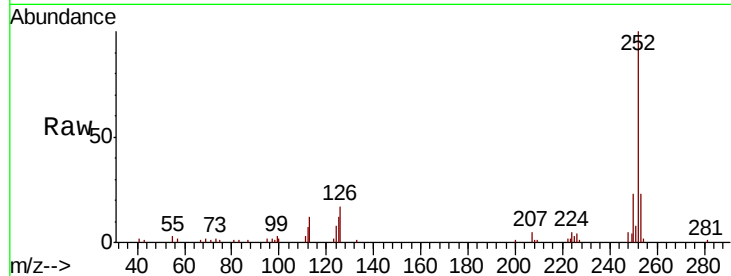
#90
Benzo(a)pyrene
Concen: 9.115 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Instrument :
BNA_F
ClientSampleId :
153-63-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.3	24.5
125	11.8	9.2	13.8

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#92
Benzo(g,h,i)perylene
Concen: 6.408 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.05 min
Lab File: BF117660.D
Acq: 31 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.4	27.6
138	23.4	17.8	26.6

