

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117634.D
 Acq On : 30 Oct 2019 19:32
 Operator : JU
 Sample : K5542-13 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 201-80-(0-1)

Manual Integrations
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Quant Time: Oct 31 14:52:08 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	40324	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	155464	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	72485	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	109101	20.00	ng	0.00
76) Chrysene-d12	13.90	240	79723	20.00	ng	0.00
87) Perylene-d12	15.33	264	65273	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	112065	41.34	ng	0.00
7) Phenol-d6	6.39	99	152898	42.00	ng	0.00
23) Nitrobenzene-d5	7.30	82	85867	27.27	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	22051	35.16	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	143396	27.87	ng	-0.01
79) Terphenyl-d14	12.83	244	119747	24.50	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	19074	3.691	ng	99
71) Phenanthrene	11.27	178	81449	12.857	ng	98
72) Anthracene	11.33	178	21821	3.357	ng	99
75) Fluoranthene	12.47	202	137672	21.708	ng	97
78) Pyrene	12.70	202	120786	17.639	ng	99
81) Benzo(a)anthracene	13.89	228	59428	11.051	ng	99
83) Chrysene	13.92	228	54533	10.347	ng	96
86) Indeno(1,2,3-cd)pyrene	16.76	276	21460	5.454	ng	97
88) Benzo(b)fluoranthene	14.93	252	56323m	14.612	ng	
89) Benzo(k)fluoranthene	14.95	252	16376m	4.145	ng	
90) Benzo(a)pyrene	15.28	252	36210	10.332	ng	# 88
92) Benzo(a,h,i)perylene	17.19	276	19440	6.780	ng	# 92

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

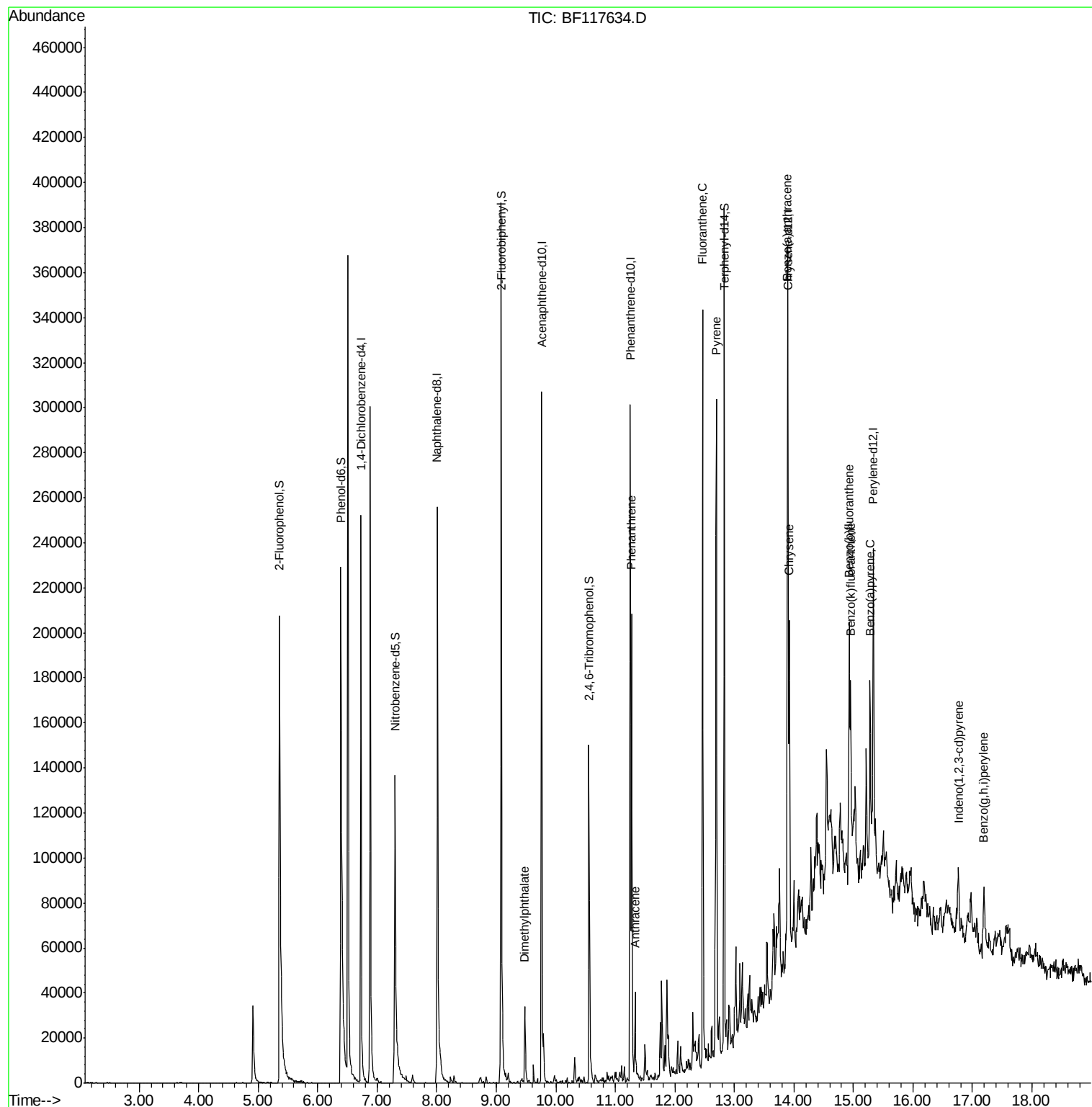
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117634.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
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#1

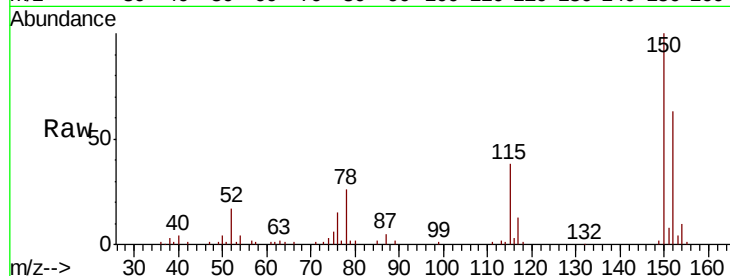
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Instrument :
BNA_F
ClientSampleId :
201-80-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.8	190.2
115	61.0	51.6	77.4

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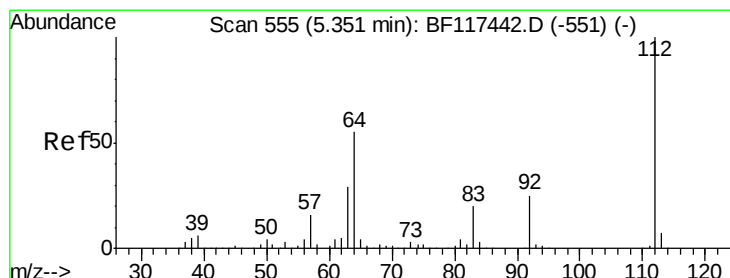
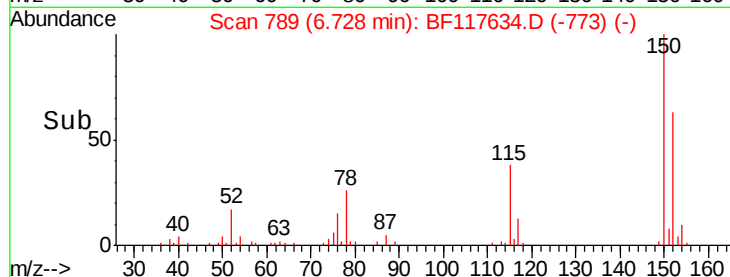
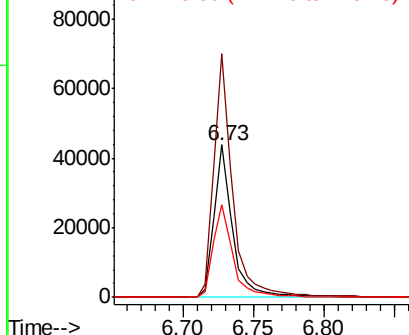


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

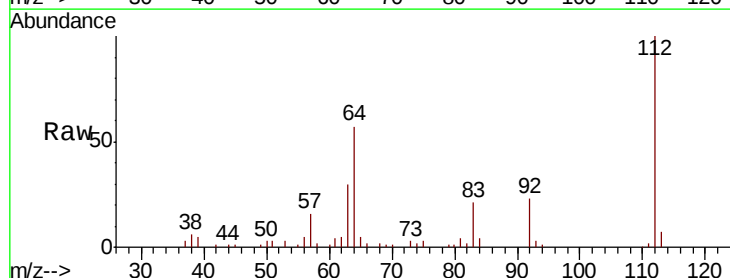
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.345 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	44.1	66.1
63	30.0	23.4	35.2

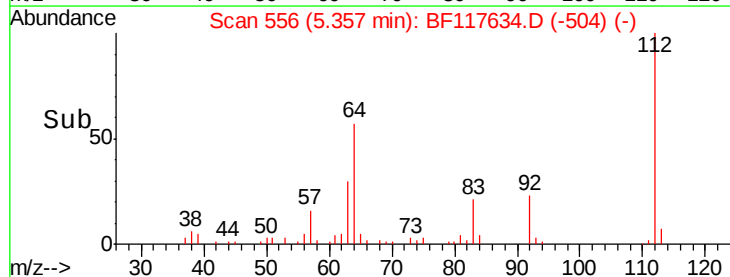
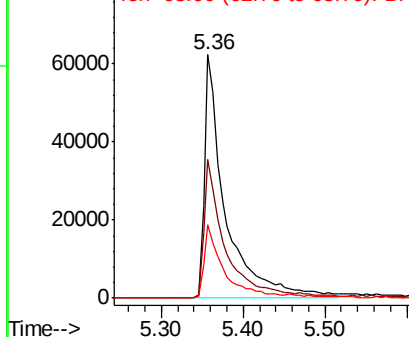


Abundance

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: 41.999 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117634.D

Acq: 30 Oct 2019 19:32

Instrument :

BNA_F

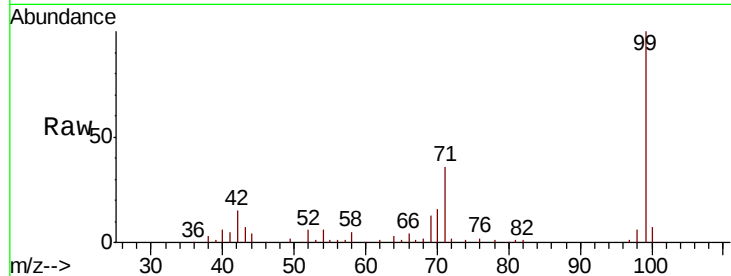
ClientSampleId :

201-80-(0-1)

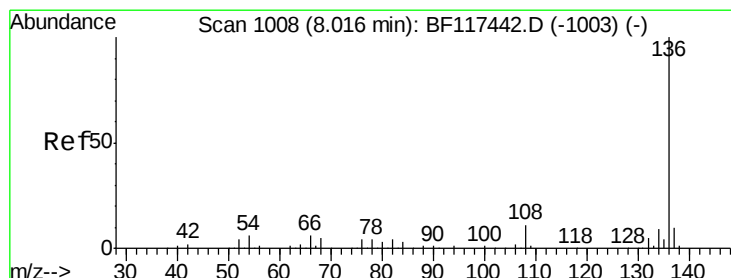
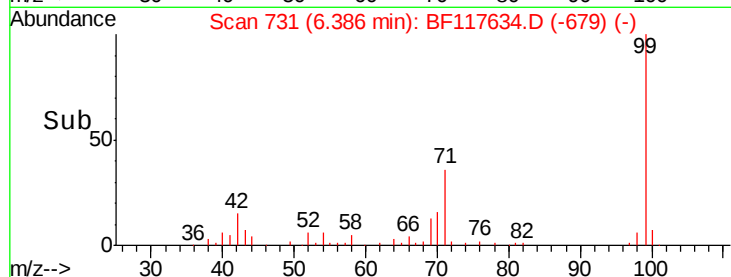
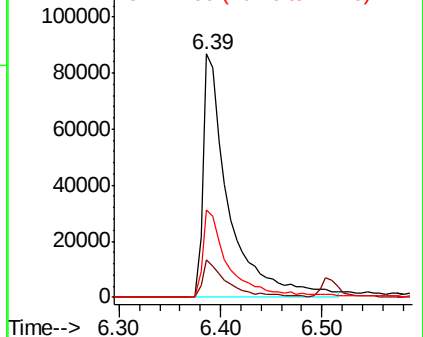
Tot Ion:	99	Resp:	152898
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.8	19.2
71	36.1	28.6	43.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

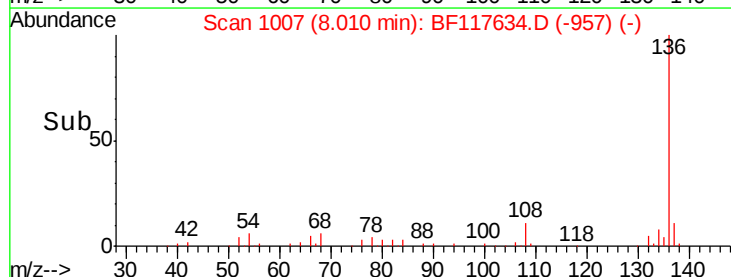
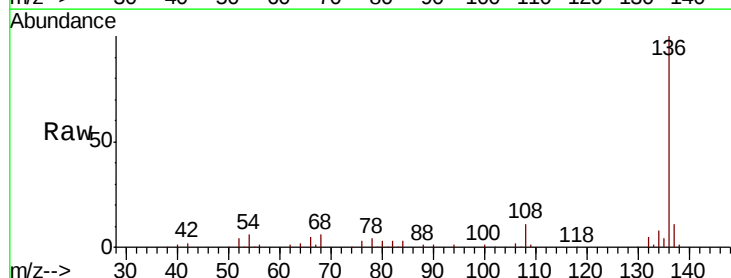
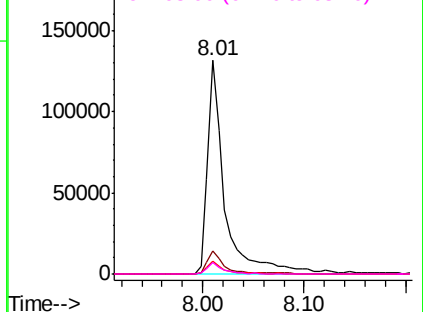
Delta R.T. -0.01 min

Lab File: BF117634.D

Acq: 30 Oct 2019 19:32

Tgt Ion:	136	Resp:	155464
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.2	12.4
54	6.0	4.5	6.7
68	5.5	4.3	6.5

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





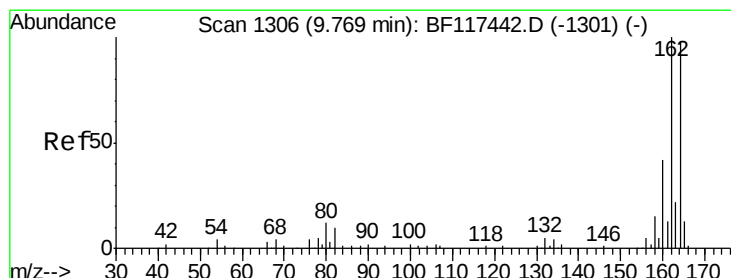
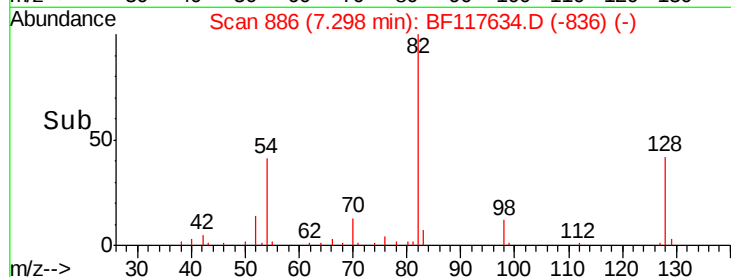
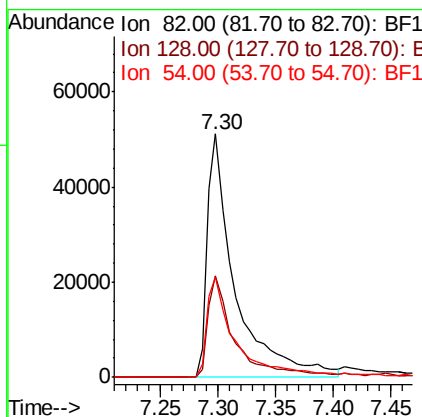
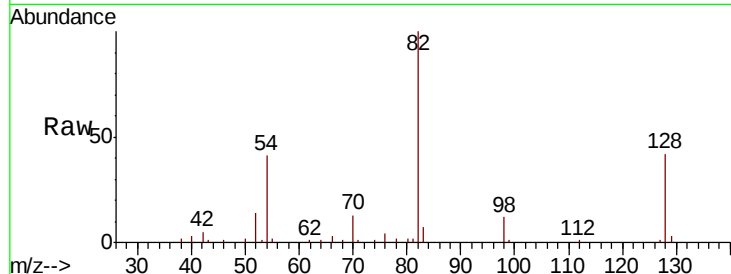
#23
 Nitrobenzene-d5
 Concen: 27.267 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117634.D
 Acq: 30 Oct 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :
 201-80-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.2	48.2
54	41.0	34.2	51.2

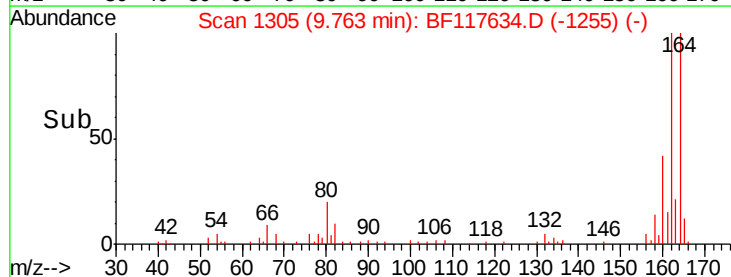
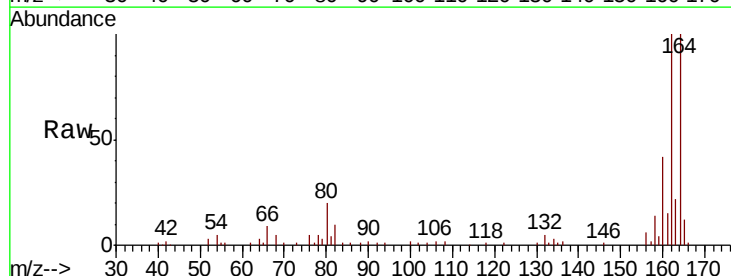
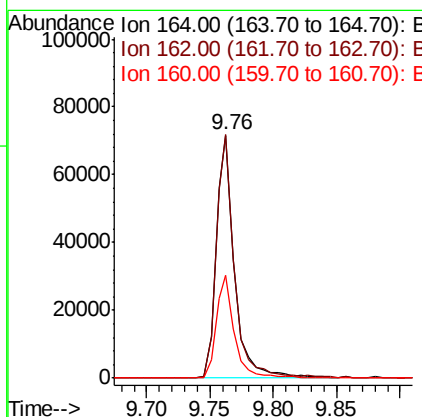
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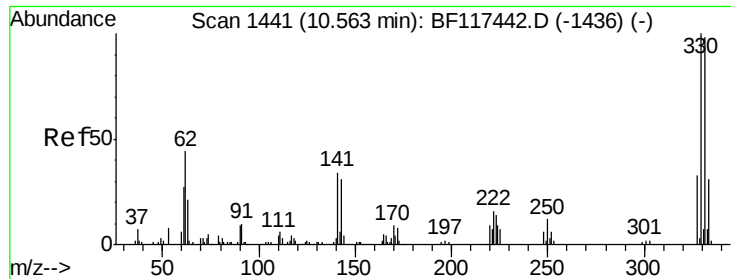
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117634.D
 Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.8	122.6
160	42.3	34.4	51.6





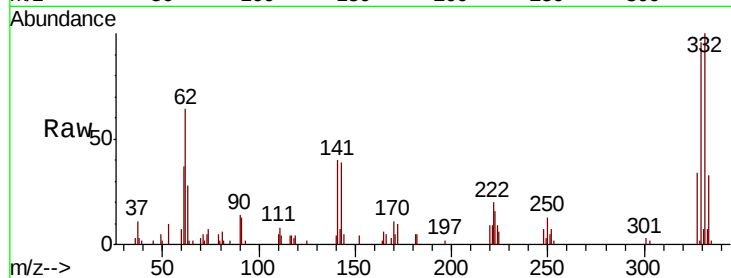
#42
 2,4,6-Tribromophenol
 Concen: 35.159 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF117634.D
 Acq: 30 Oct 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :
 201-80-(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.5	117.7
141	45.7	37.0	55.6

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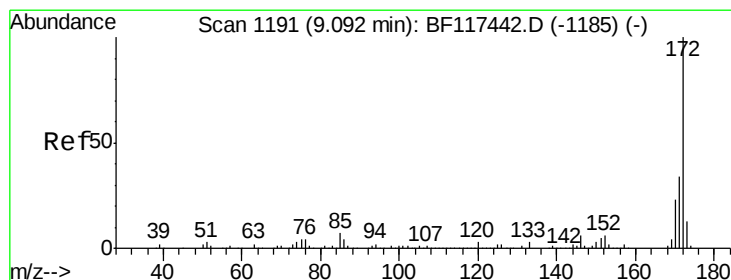
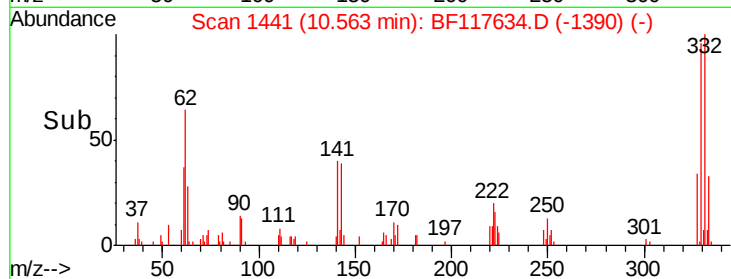
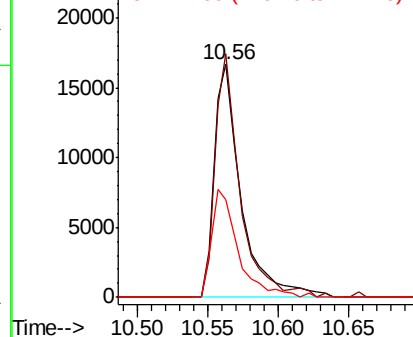


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 27.874 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117634.D
 Acq: 30 Oct 2019 19:32

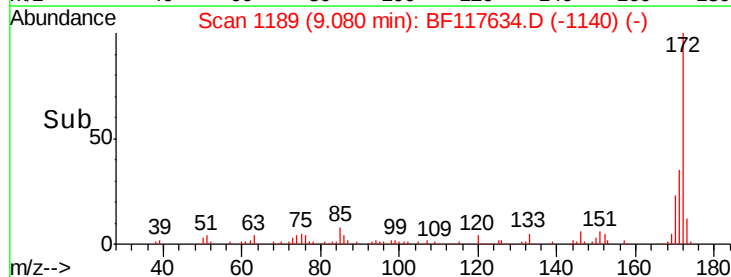
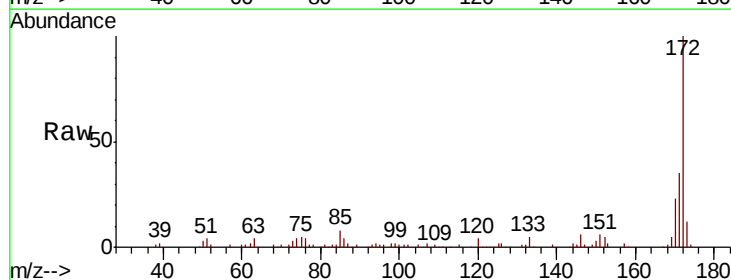
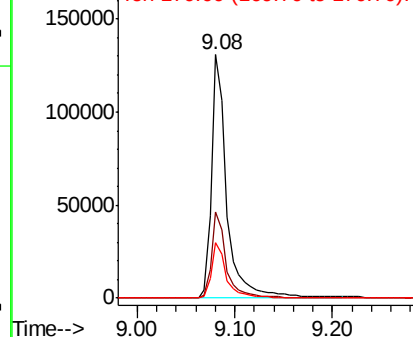
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.5	41.3
170	22.5	18.6	27.8

Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





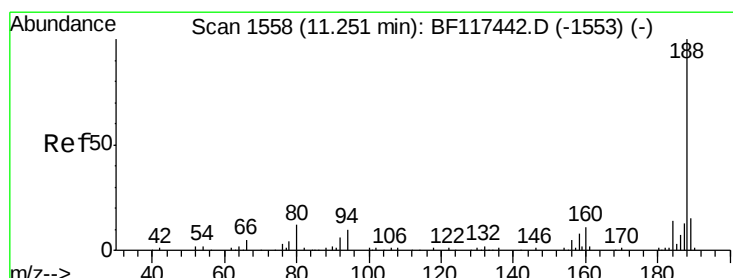
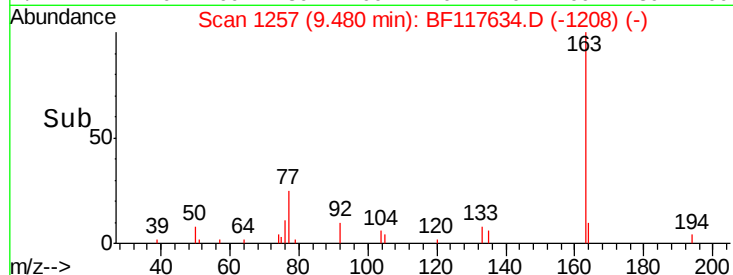
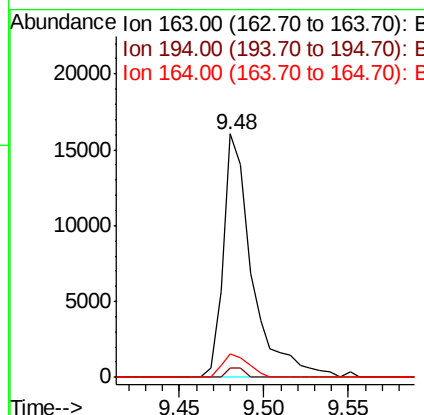
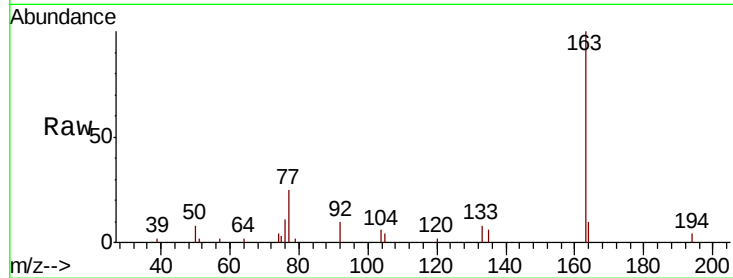
#50
Dimethylphthalate
Concen: 3.691 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Instrument :
BNA_F
ClientSampleId :
201-80-(0-1)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	9.9	8.2	12.2

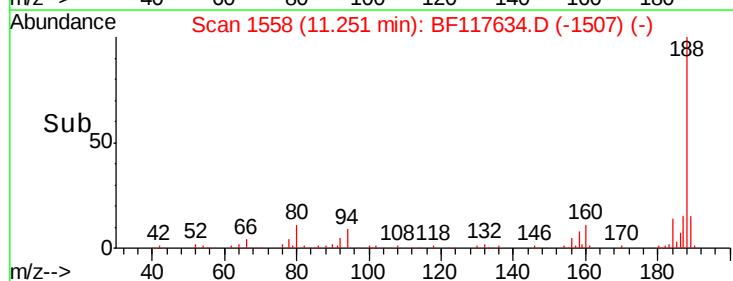
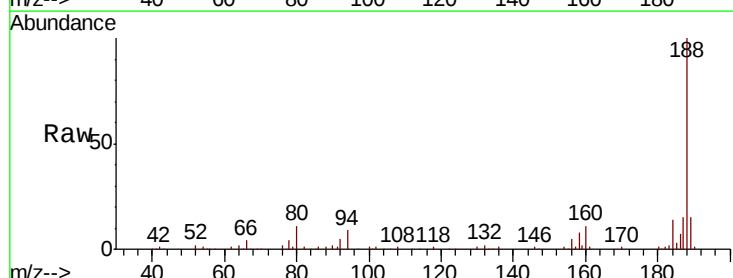
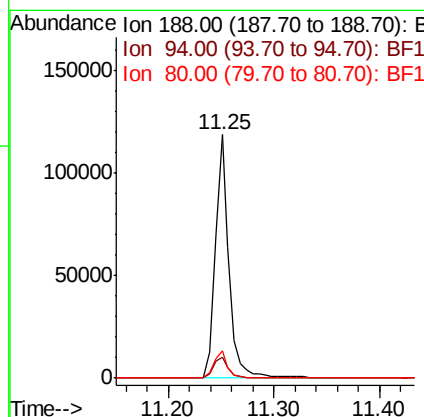
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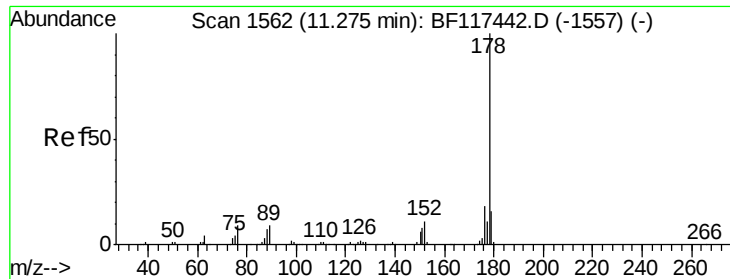
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	11.0	9.5	14.3





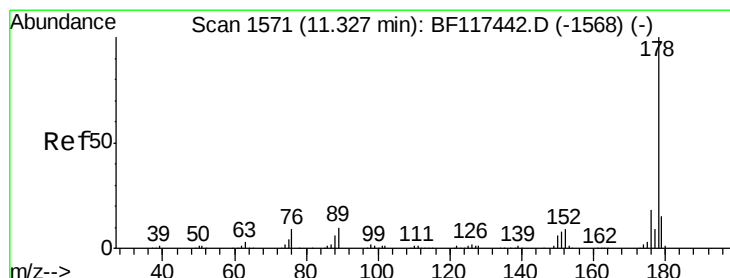
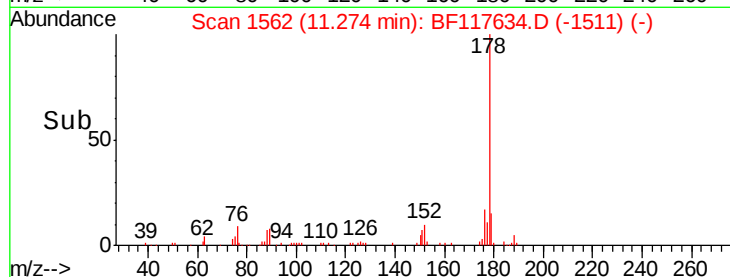
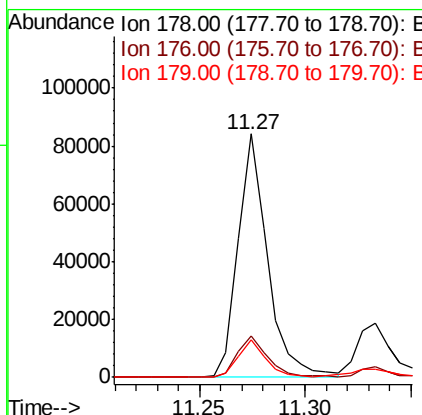
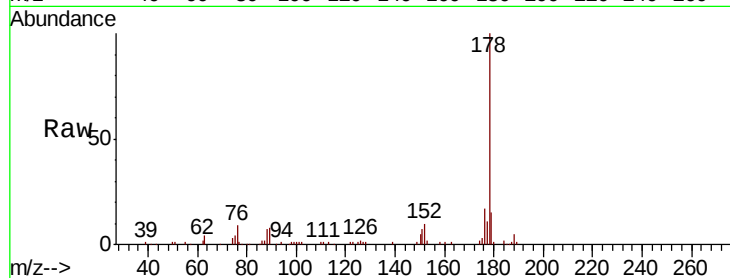
#71
Phenanthrene
Concen: 12.857 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Instrument :
BNA_F
ClientSampleId :
201-80-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.0	14.6	22.0
179	15.2	12.6	19.0

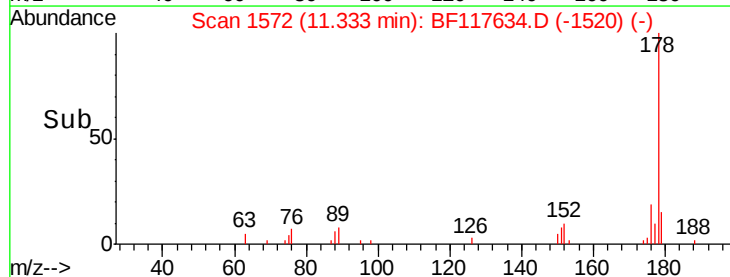
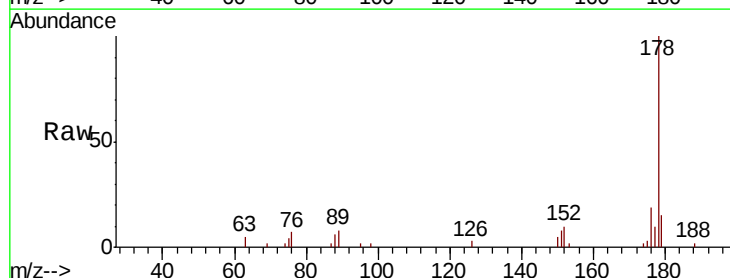
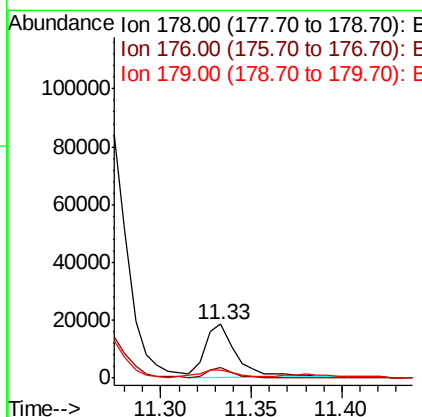
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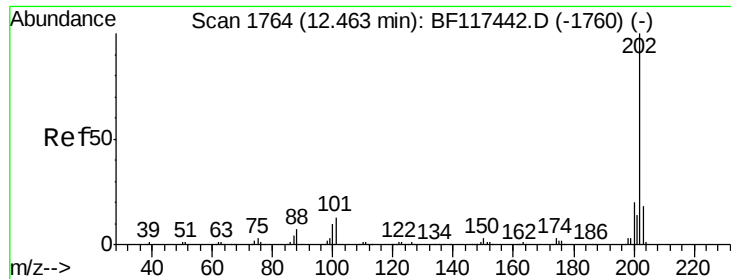
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#72
Anthracene
Concen: 3.357 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.2	12.2	18.2





#75

Fluoranthene

Concen: 21.708 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117634.D

Acq: 30 Oct 2019 19:32

Instrument :

BNA_F

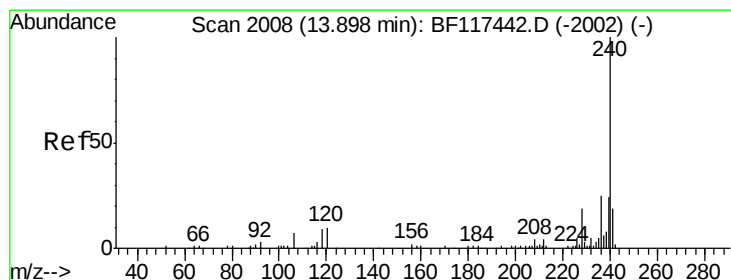
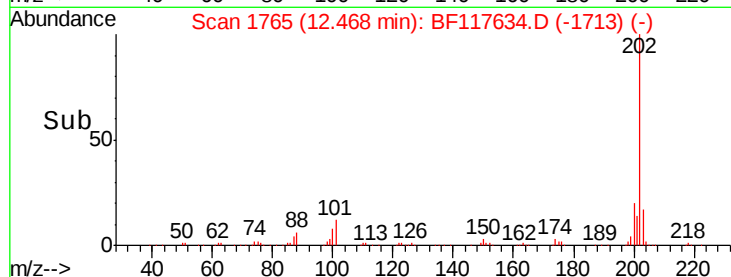
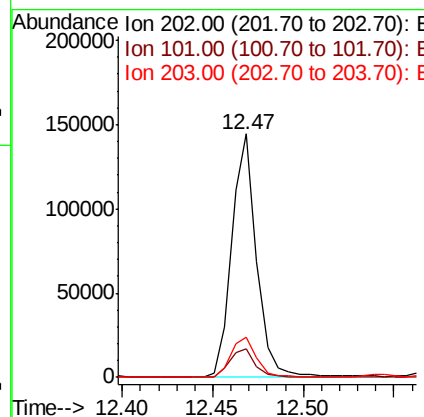
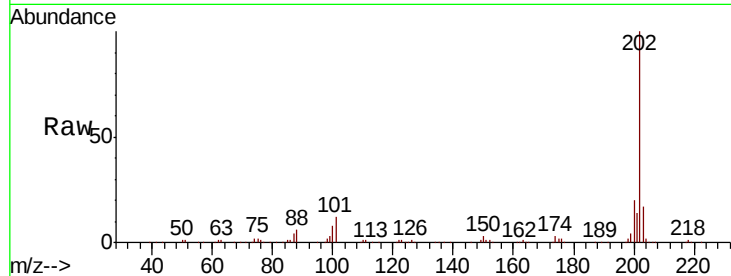
ClientSampleId :

201-80-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	137672		
101	11.6	0.0	32.7	
203	16.5	0.0	37.6	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

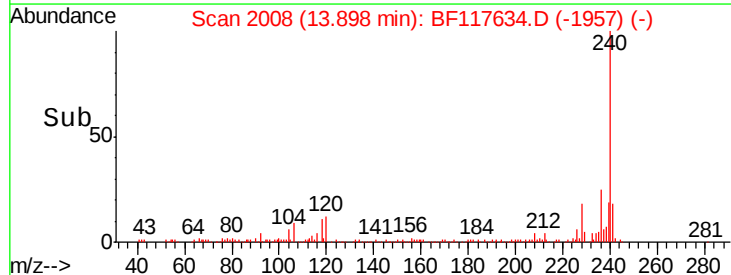
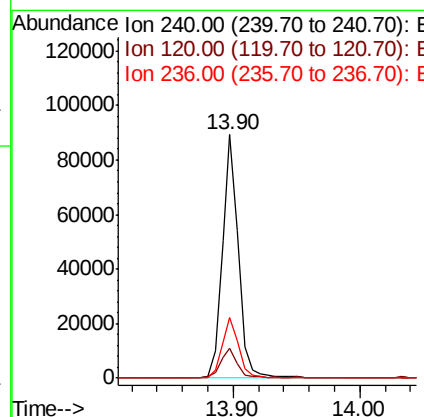
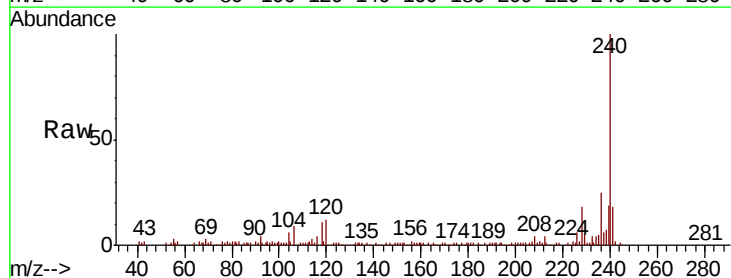
RT: 13.90 min Scan# 2008

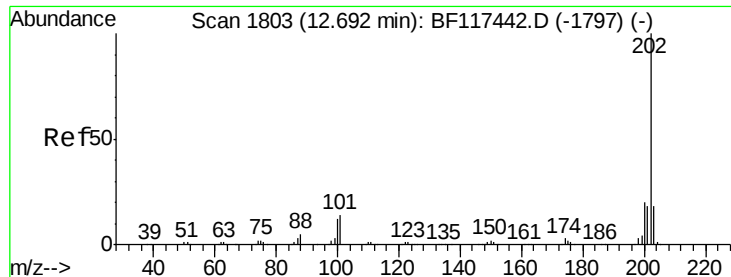
Delta R.T. -0.00 min

Lab File: BF117634.D

Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	79723		
120	12.3	8.4	12.6	
236	24.8	20.0	30.0	





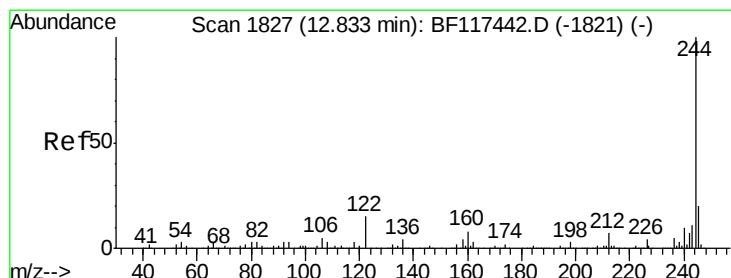
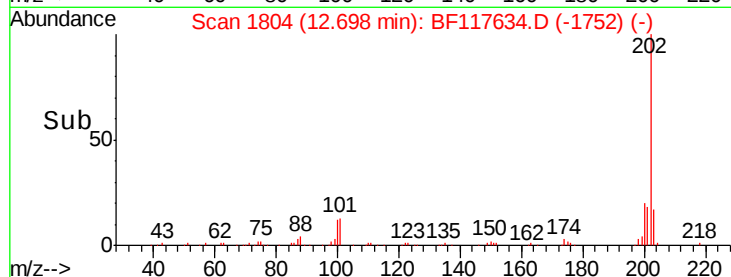
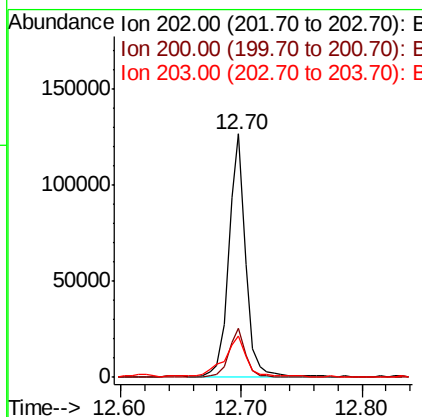
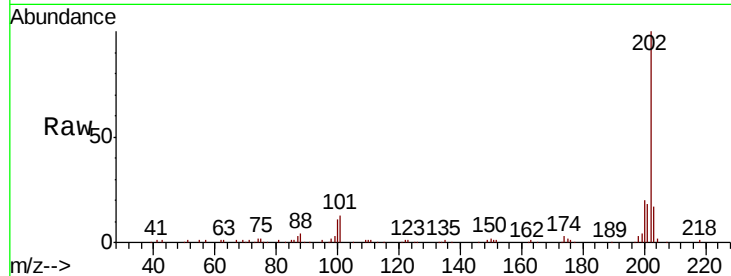
#78
Pvrene
Concen: 17.639 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Instrument :
BNA_F
ClientSampleId :
201-80-(0-1)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	16.2	24.2
203	17.0	14.0	21.0

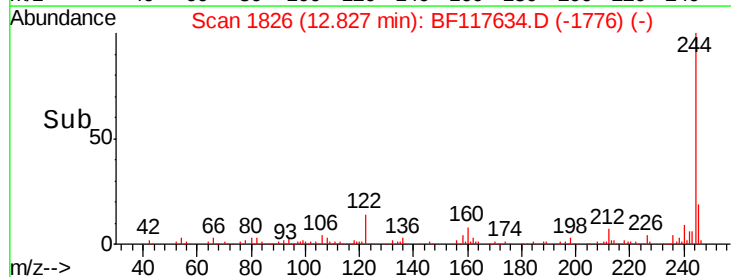
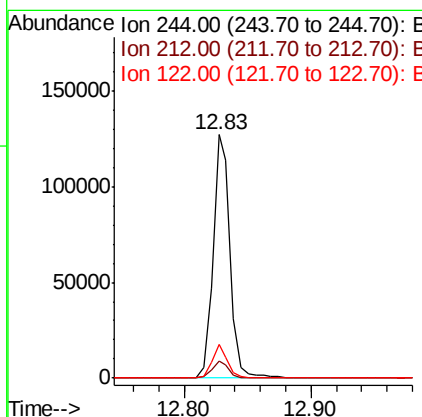
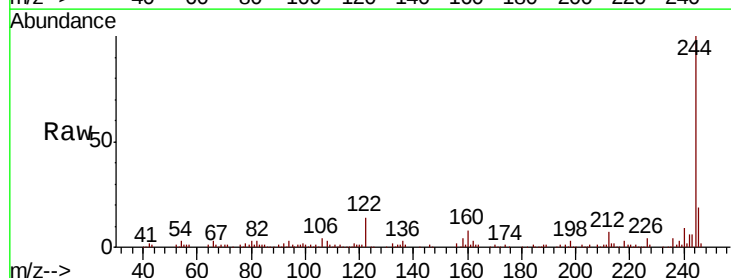
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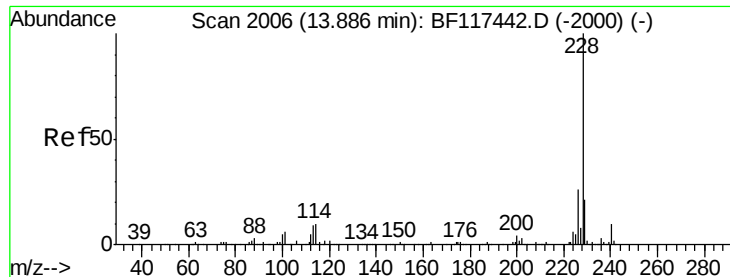
mohammad
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#79
Terphenyl-d14
Concen: 24.500 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.8	8.6
122	14.0	11.8	17.8





#81

Benzo(a)anthracene

Concen: 11.051 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117634.D

Acq: 30 Oct 2019 19:32

Instrument :

BNA_F

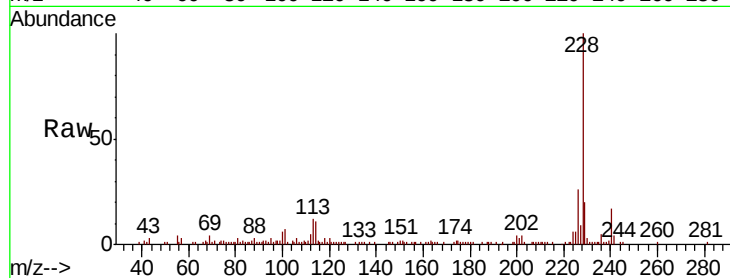
ClientSampleId :

201-80-(0-1)

Tot Ion:	228	Resp:	59428
Ion Ratio	Lower	Upper	
228	100		
226	25.6	21.0	31.4
229	19.8	16.4	24.6

Manual Integrations
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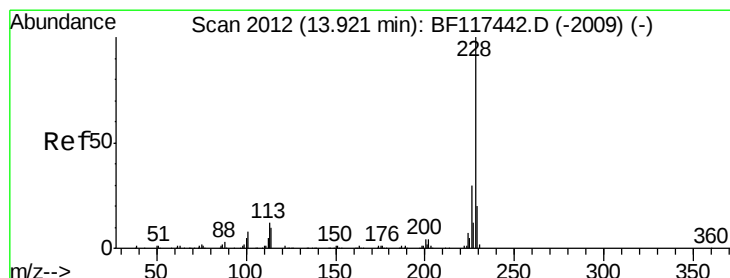
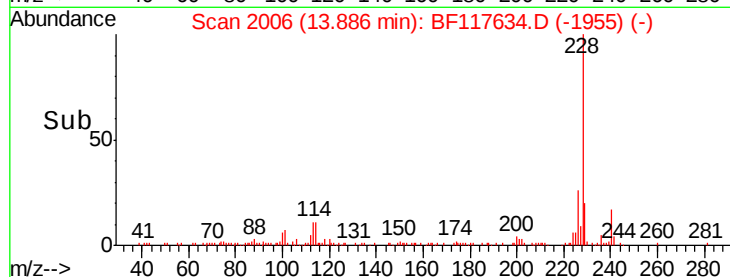
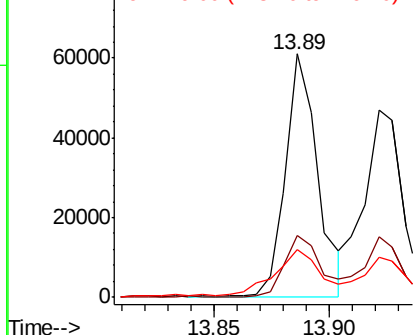


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 10.347 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF117634.D

Acq: 30 Oct 2019 19:32

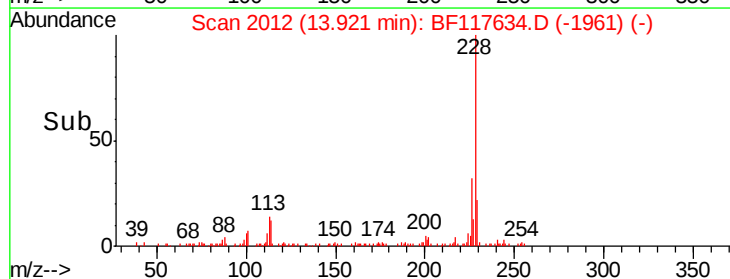
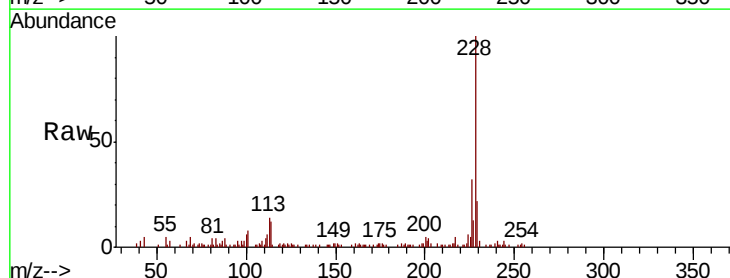
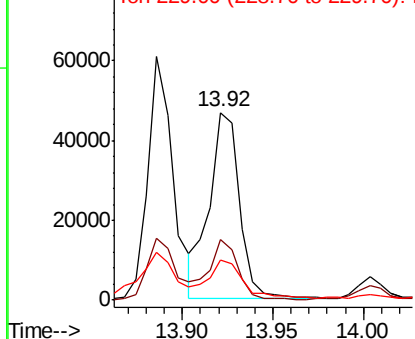
Tgt Ion:	228	Resp:	54533
Ion Ratio	Lower	Upper	
228	100		
226	32.0	23.9	35.9
229	21.6	15.8	23.6

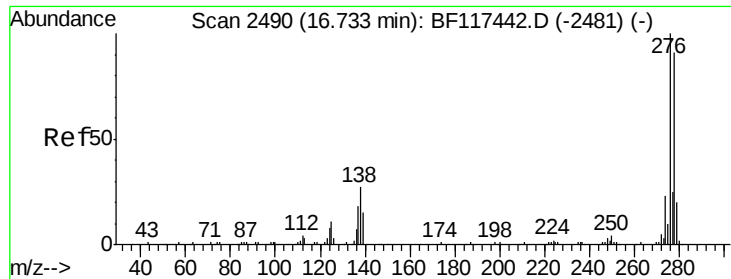
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





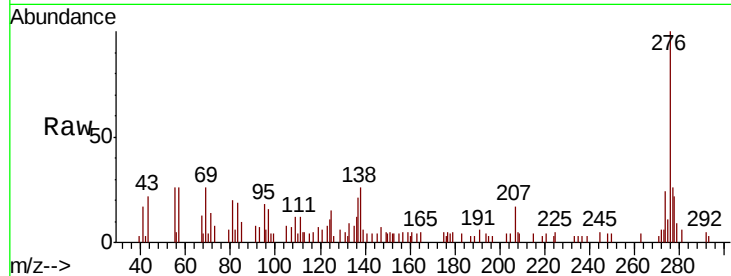
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.454 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.03 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Instrument :
BNA_F
ClientSampleId :
201-80-(0-1)

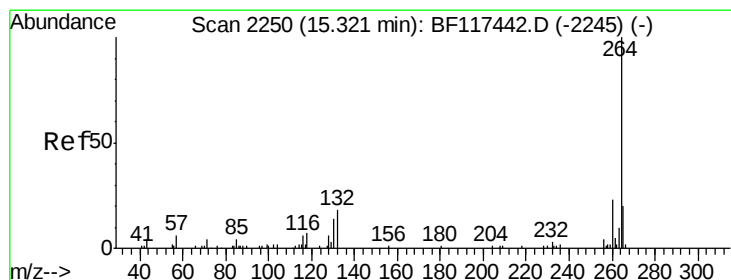
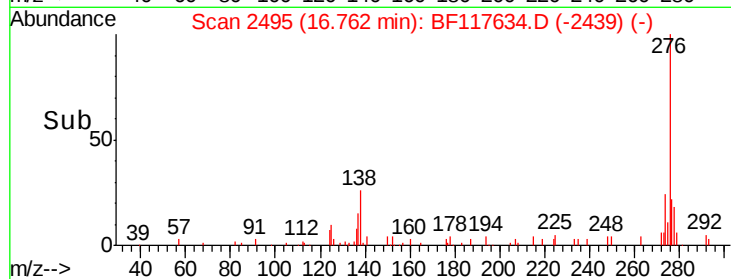
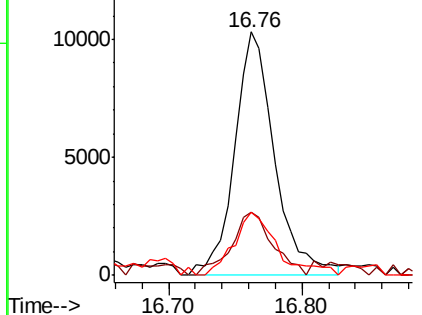
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.8	32.8
277	27.8	20.0	30.0

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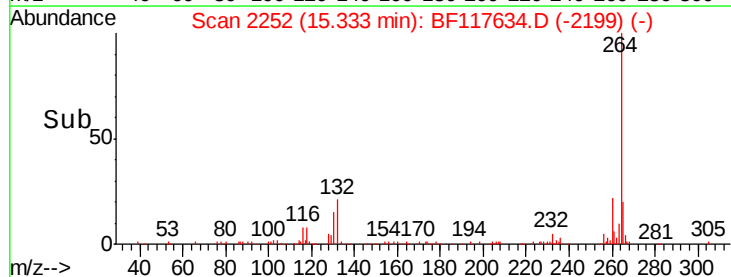
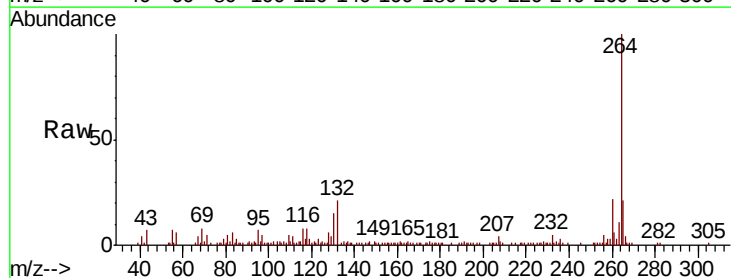
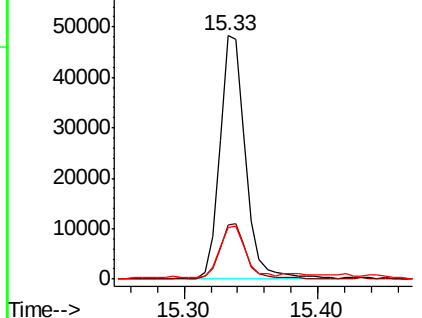
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

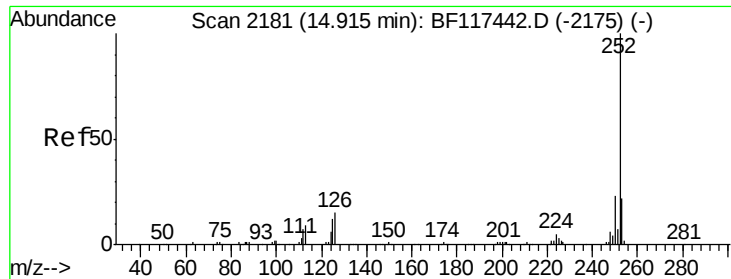


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.4	27.6
265	21.1	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





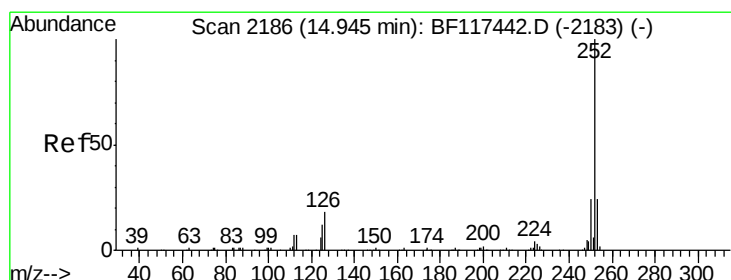
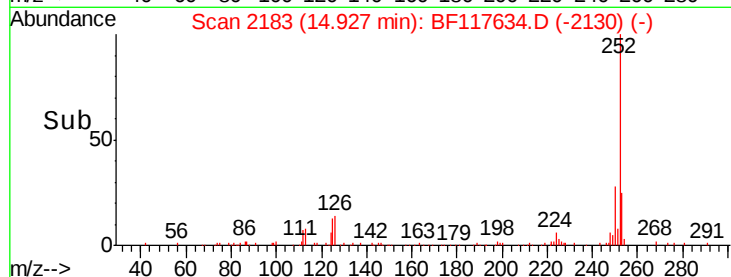
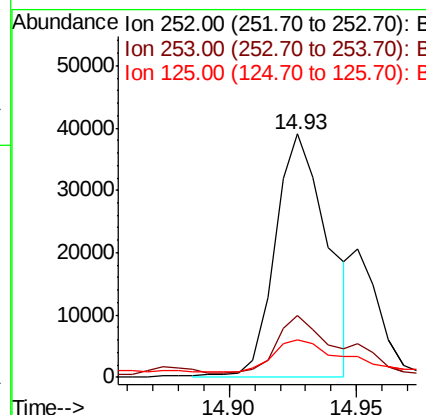
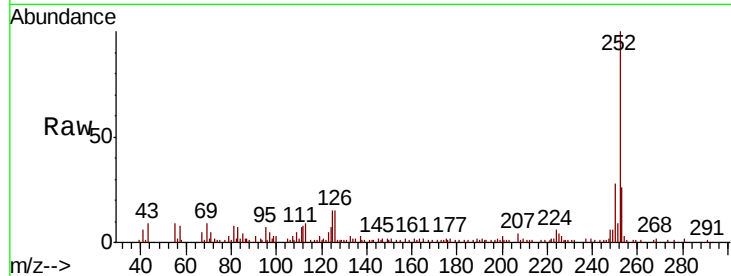
#88
Benzo(b)fluoranthene
Concen: 14.612 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Instrument :
BNA_F
ClientSampleId :
201-80-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.6
125	15.4	9.9	14.9#

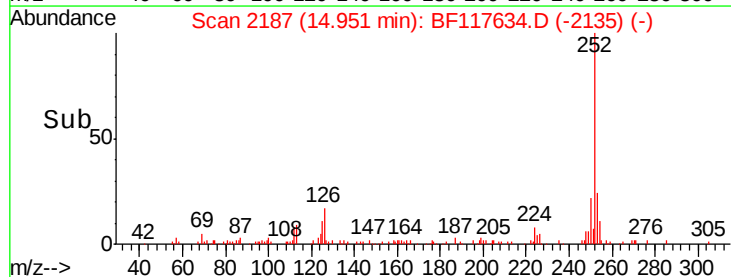
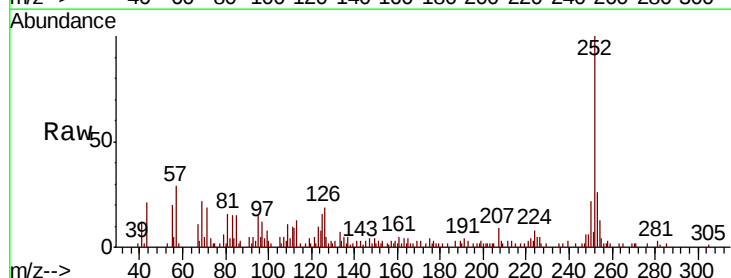
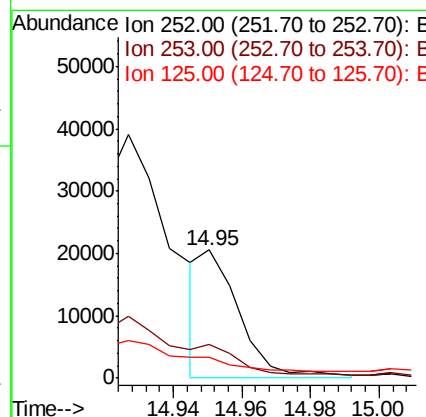
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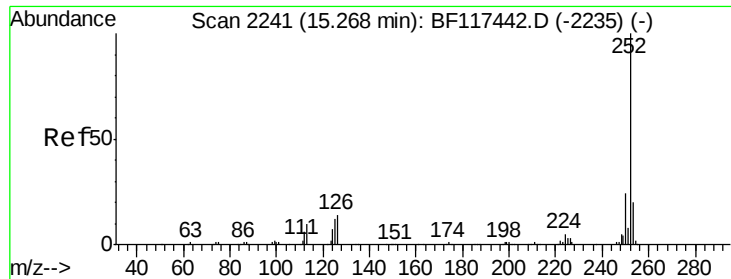
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#89
Benzo(k)fluoranthene
Concen: 4.145 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.0	27.0
125	16.1	8.9	13.3#





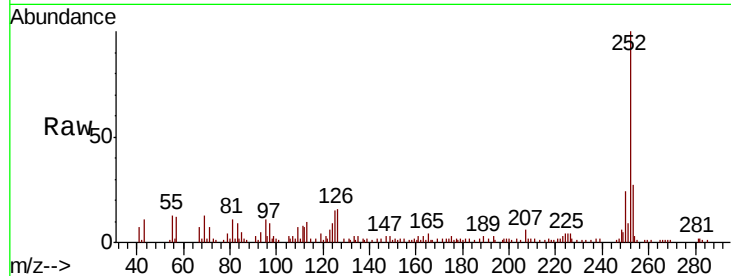
#90
Benzo(a)pyrene
Concen: 10.332 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Instrument :
BNA_F
ClientSampleId :
201-80-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	16.3	24.5#
125	14.9	9.2	13.8#

Manual Integrations
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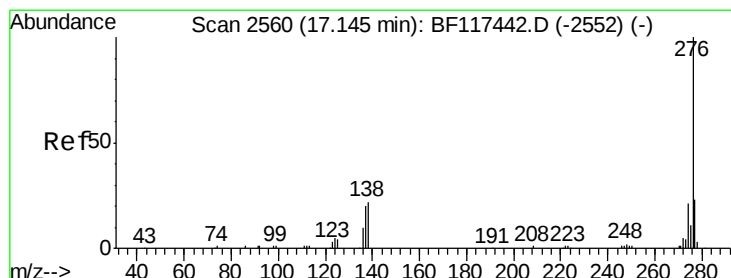
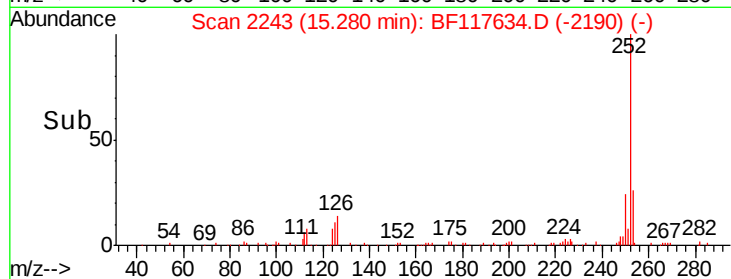
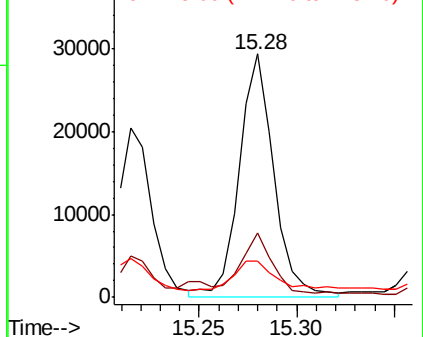


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 6.780 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117634.D
Acq: 30 Oct 2019 19:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.4	27.6
138	28.6	17.8	26.6#

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

