

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\
 Data File : BF119205.D
 Acq On : 4 Mar 2020 20:22
 Operator : CG/JU
 Sample : L1770-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Manual Integrations
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 3/5/2020 3:54:42 PM

Quant Time: Mar 05 06:10:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	121297	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	406076	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	180872	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	288726	20.00	ng	0.00
76) Chrysene-d12	13.90	240	250637	20.00	ng	0.00
87) Perylene-d12	15.34	264	201918	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	618144	85.17	ng	0.00
7) Phenol-d6	6.40	99	723494	81.96	ng	0.00
23) Nitrobenzene-d5	7.30	82	452965	58.90	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	164636	69.58	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	781016	63.61	ng	-0.01
79) Terphenyl-d14	12.84	244	781931	53.71	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.49	163	123887	8.957	ng	98
71) Phenanthrene	11.28	178	139332	8.849	ng	98
72) Anthracene	11.33	178	41631	2.646	ng	97
75) Fluoranthene	12.47	202	221779	13.269	ng	98
78) Pyrene	12.70	202	194055	9.642	ng	97
81) Benzo(a)anthracene	13.89	228	103022	6.033	ng	99
83) Chrysene	13.93	228	93839	5.515	ng	98
86) Indeno(1,2,3-cd)pyrene	16.76	276	41465	2.517	ng	94
88) Benzo(b)fluoranthene	14.93	252	111133m	8.350	ng	
89) Benzo(k)fluoranthene	14.95	252	28224m	2.288	ng	
90) Benzo(a)pyrene	15.27	252	74453	6.198	ng	# 90
92) Benzo(a,h,i)perylene	17.19	276	40254	3.855	ng	# 89

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

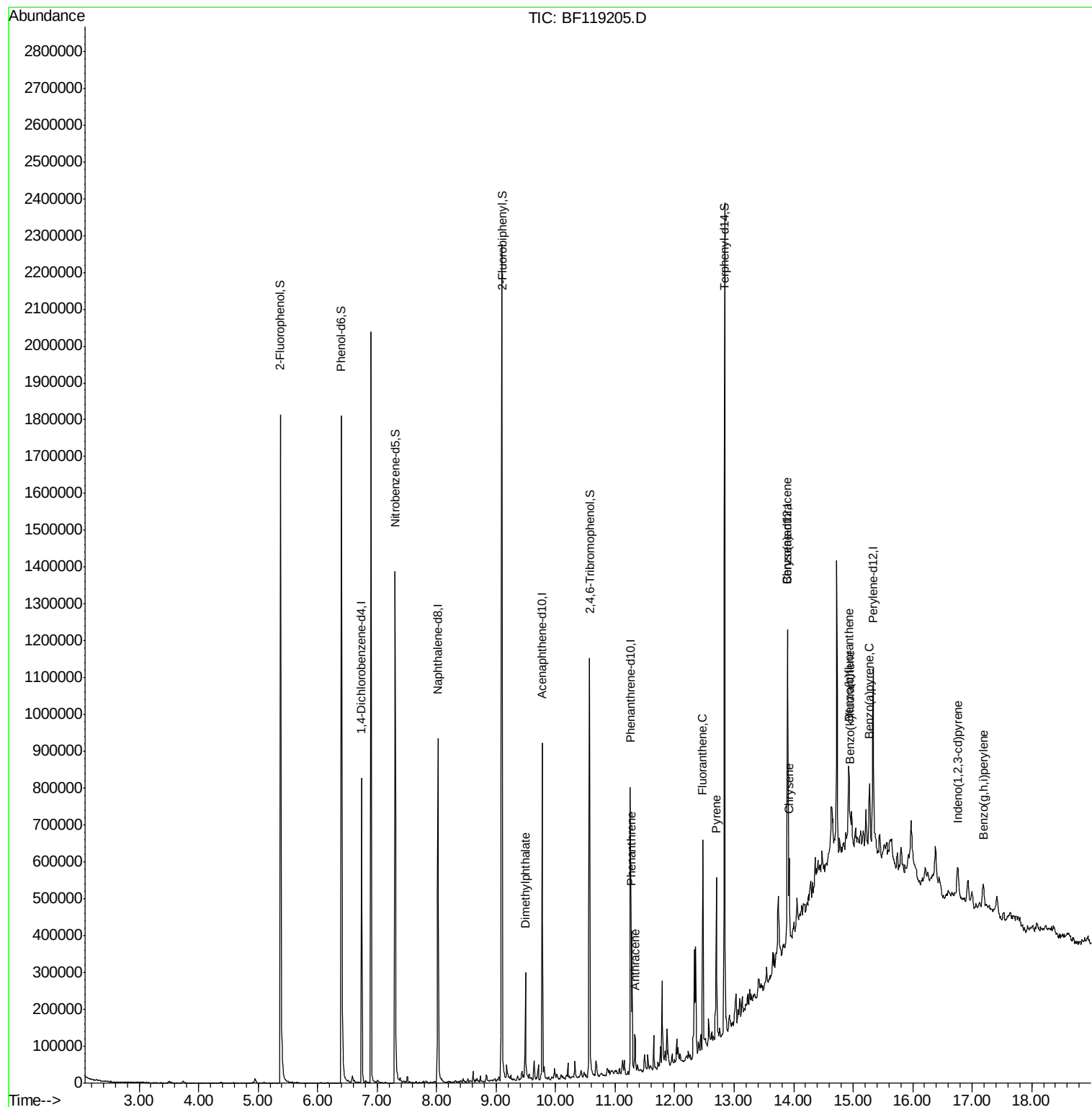
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\
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ALS Vial : 20 Sample Multiplier: 1

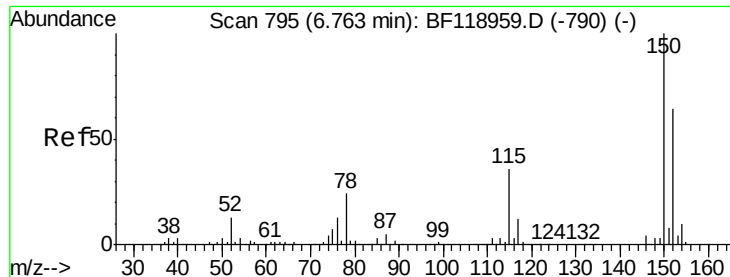
Instrument :
BNA_F
ClientSampled :
C-1

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#1

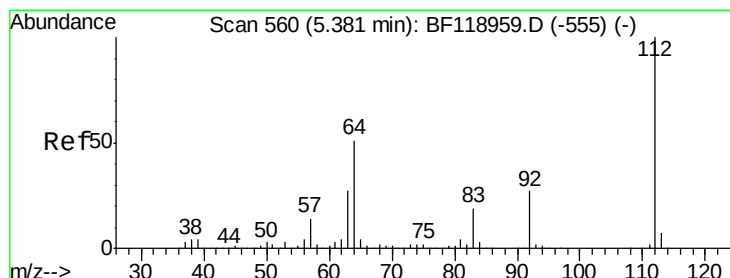
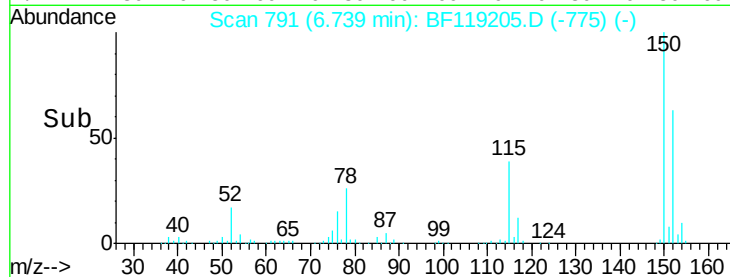
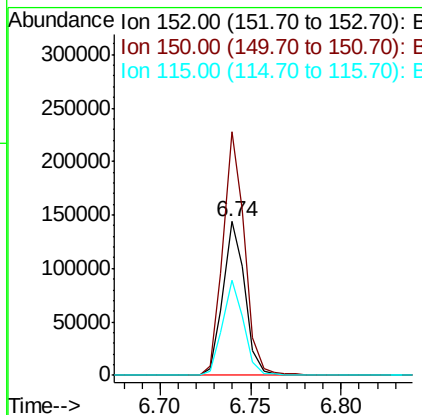
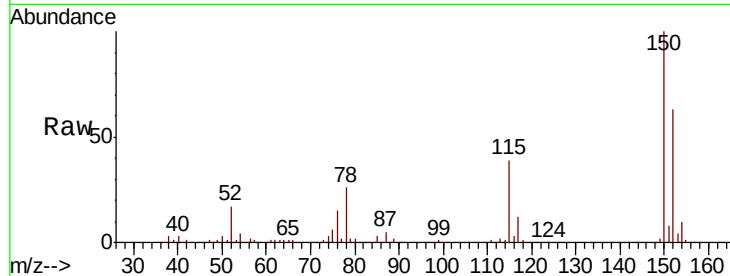
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.0	184.6
115	62.1	49.5	74.3

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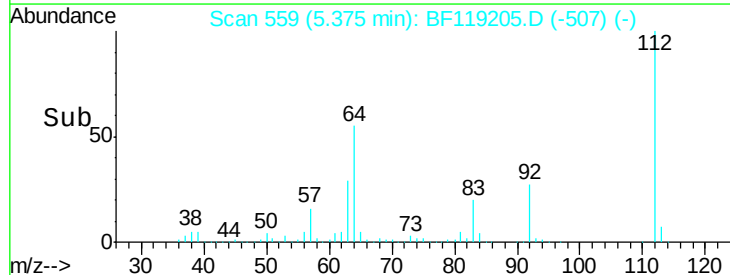
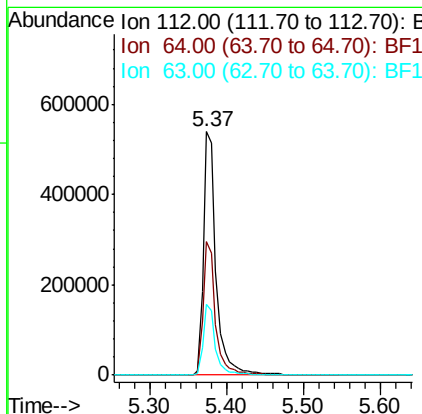
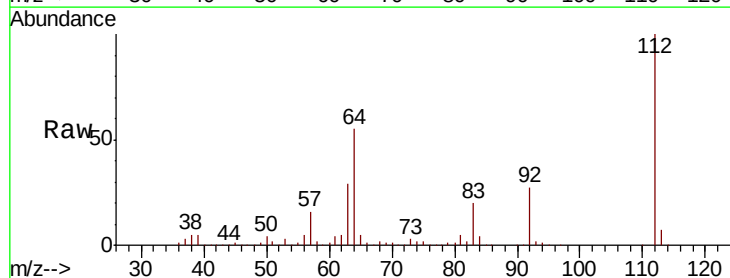
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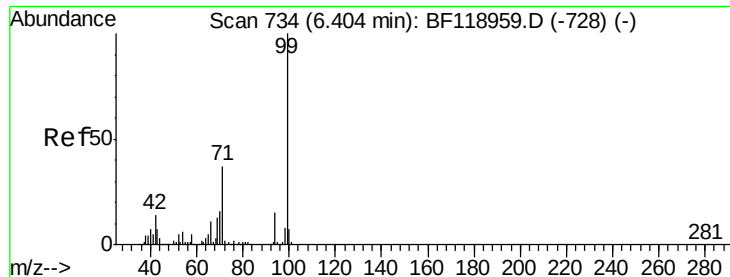


#5

2-Fluorophenol
Concen: 85.165 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.0	67.4
63	29.3	24.2	36.4





#7

Phenol-d6

Concen: 81.961 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

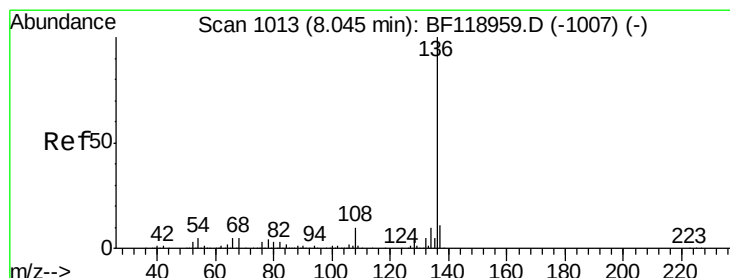
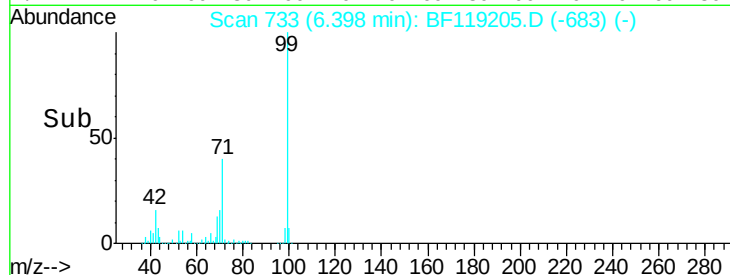
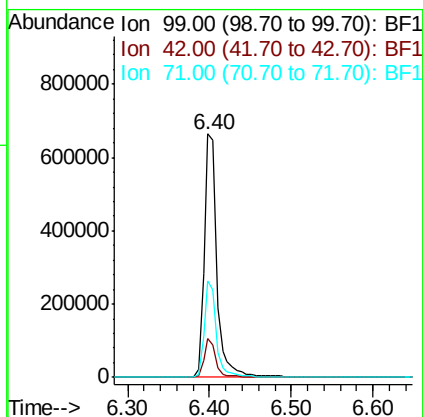
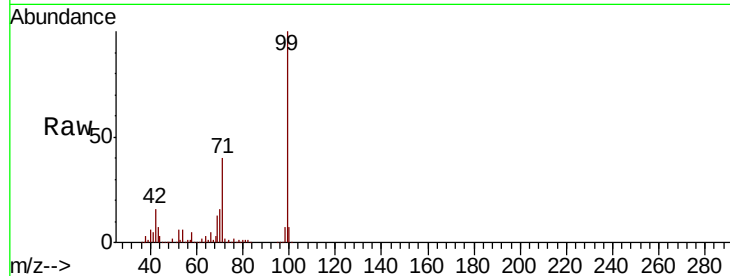
ClientSampleId :

C-1

Tot Ion:	99	Resp:	723494
Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.6	18.8
71	39.6	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

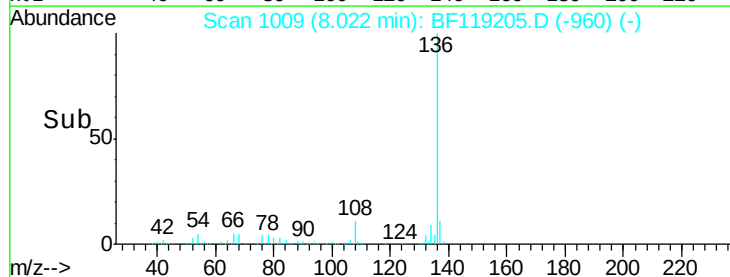
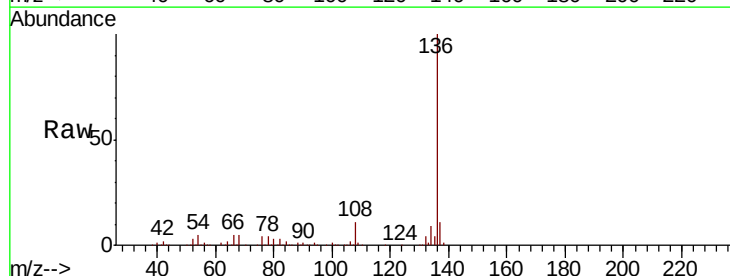
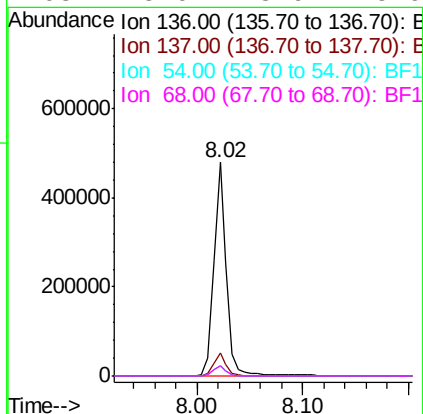
RT: 8.02 min Scan# 1009

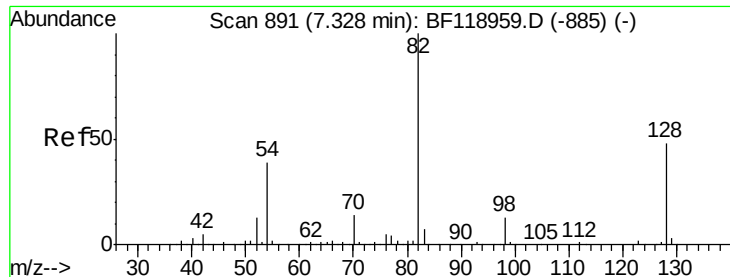
Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Tgt Ion:	136	Resp:	406076
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	5.1	3.8	5.6
68	5.0	3.9	5.9





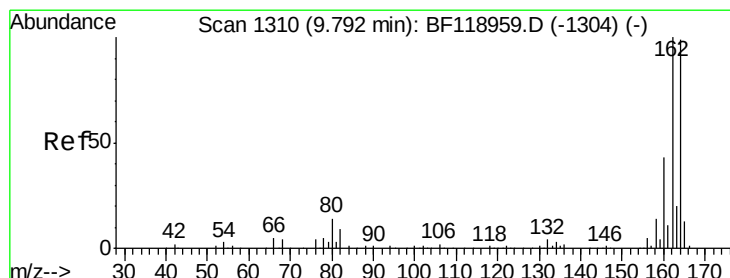
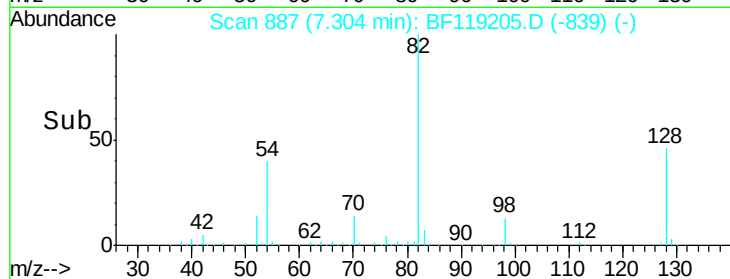
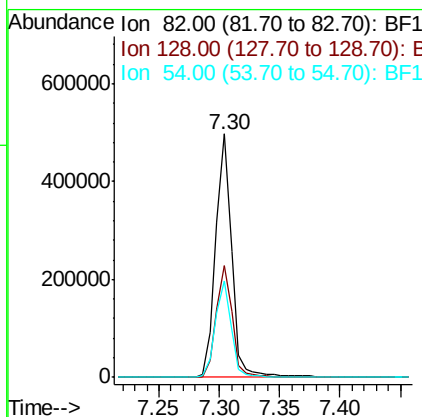
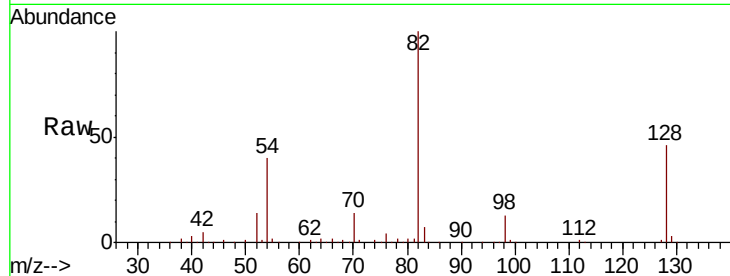
#23
 Nitrobenzene-d5
 Concen: 58.897 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF119205.D
 Acq: 4 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tot Ion:	82	Resp:	452965
Ion Ratio		Lower	Upper
82	100		
128	46.0	37.9	56.9
54	39.9	33.4	50.2

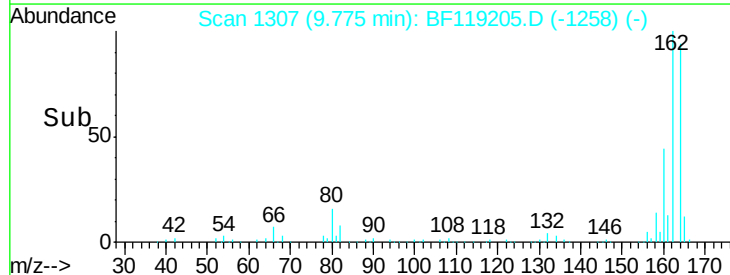
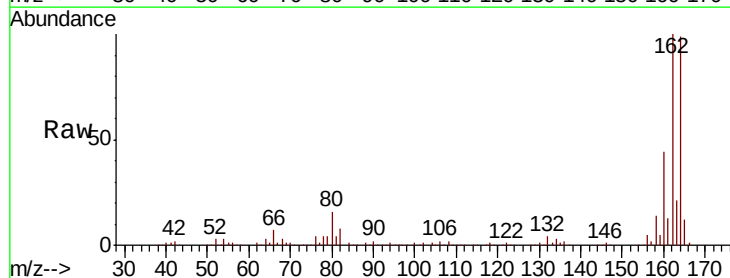
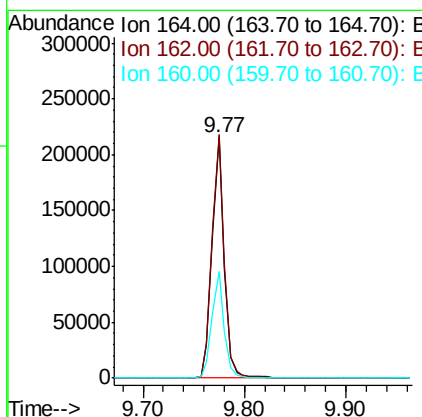
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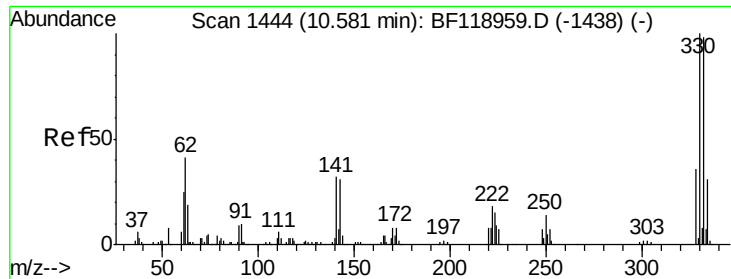
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF119205.D
 Acq: 4 Mar 2020 20:22

Tgt Ion:	164	Resp:	180872
Ion Ratio		Lower	Upper
164	100		
162	101.2	81.8	122.8
160	44.2	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 69.581 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

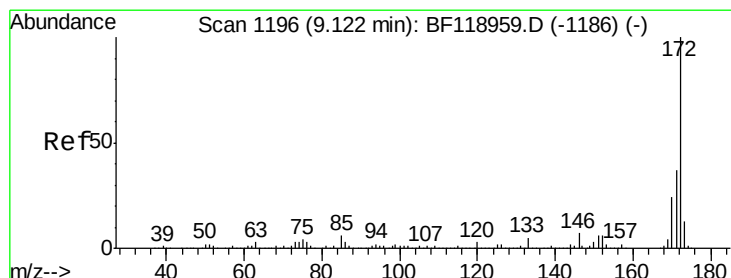
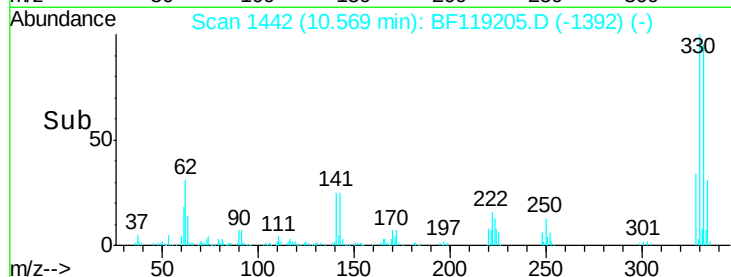
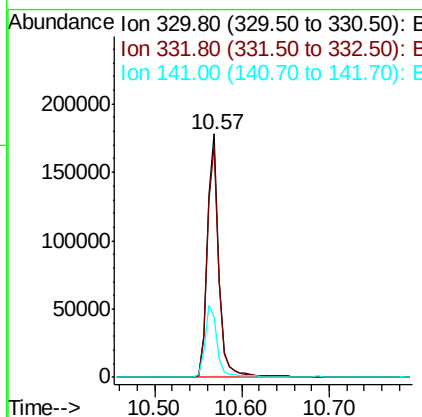
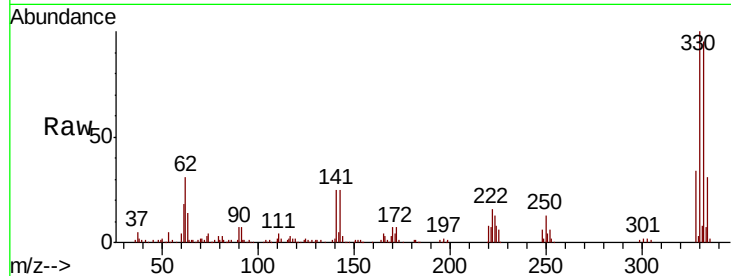
ClientSampleId :

C-1

Tot Ion:	330	Resp:	164636
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.0	114.0
141	31.7	22.9	34.3

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#45

2-Fluorobiphenyl

Concen: 63.612 ng

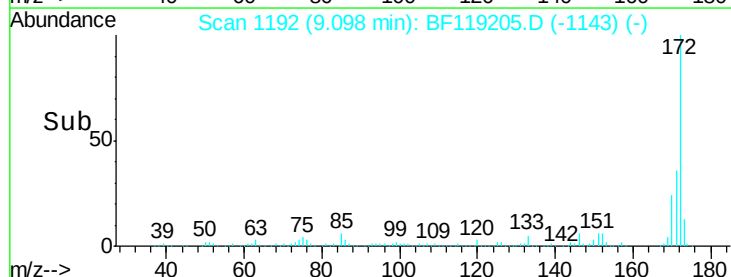
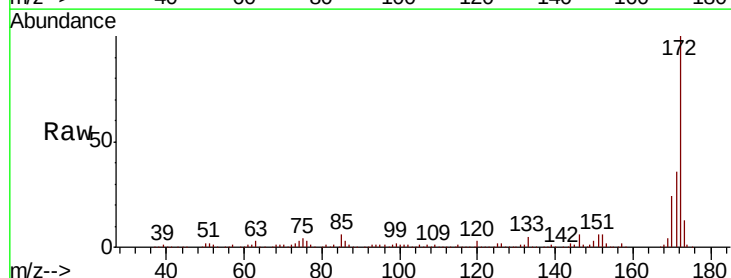
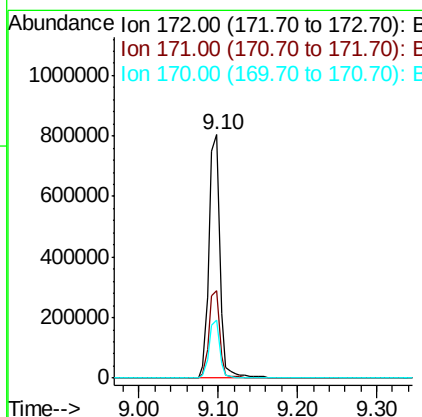
RT: 9.10 min Scan# 1192

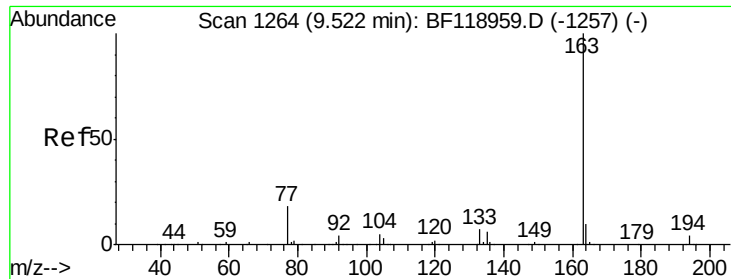
Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Tgt Ion:	172	Resp:	781016
Ion Ratio	Lower	Upper	
172	100		
171	36.0	30.6	45.8
170	23.7	20.2	30.2





#50

Dimethylphthalate

Concen: 8.957 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

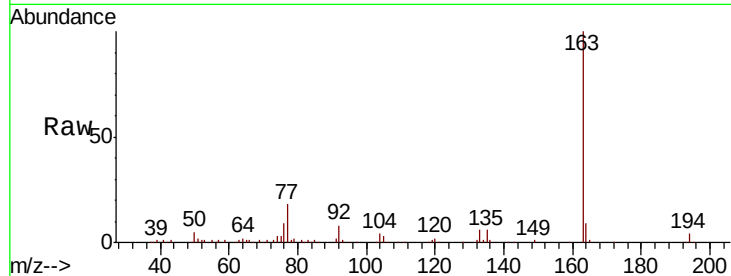
ClientSampled :

C-1

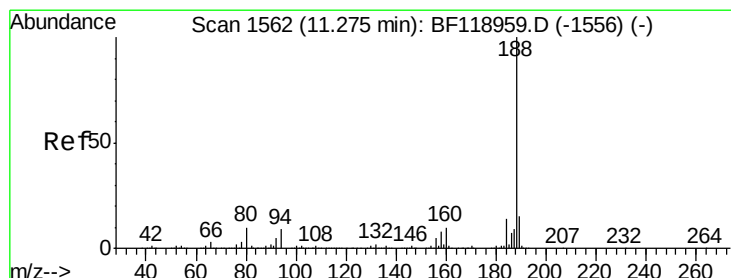
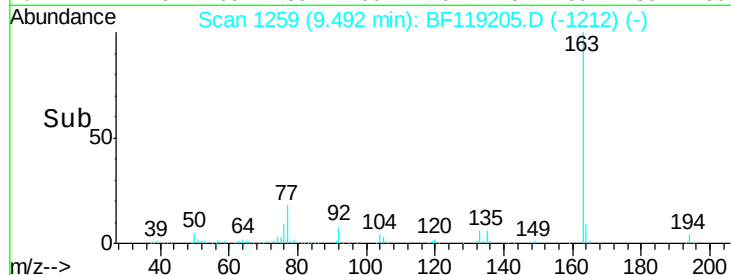
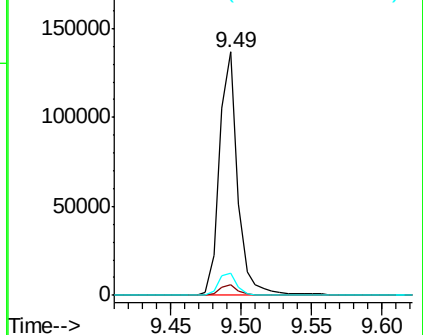
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	4.3		3.5	5.3	
164	9.2		8.4	12.6	

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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

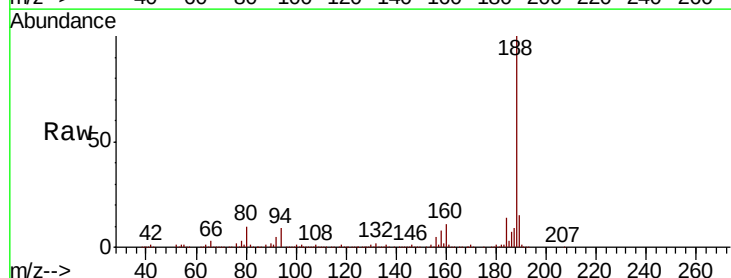
RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

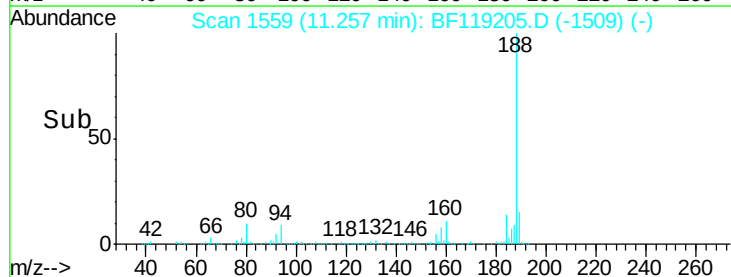
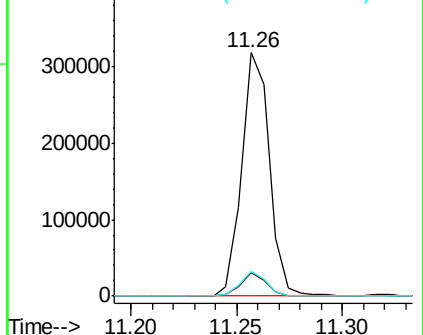
Lab File: BF119205.D

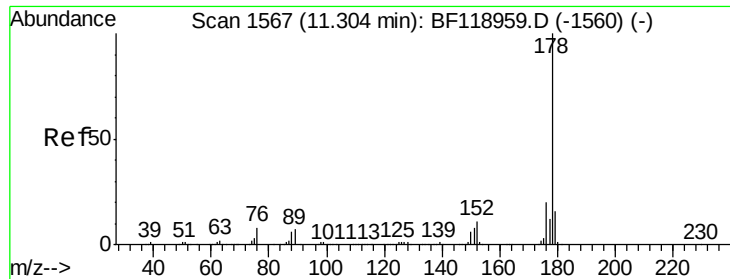
Acq: 4 Mar 2020 20:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.4		7.1	10.7	
80	10.0		7.8	11.8	



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





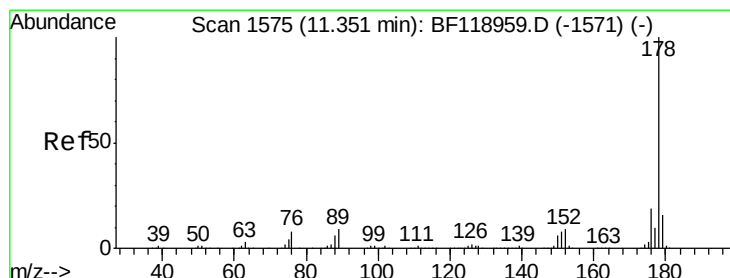
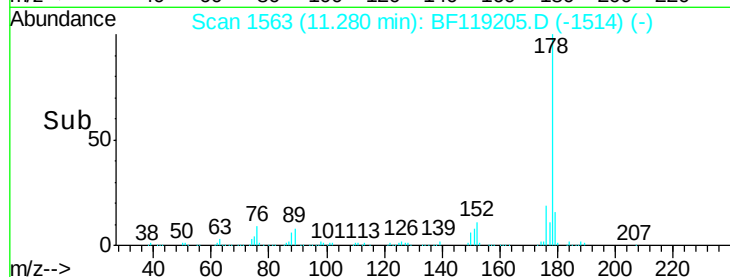
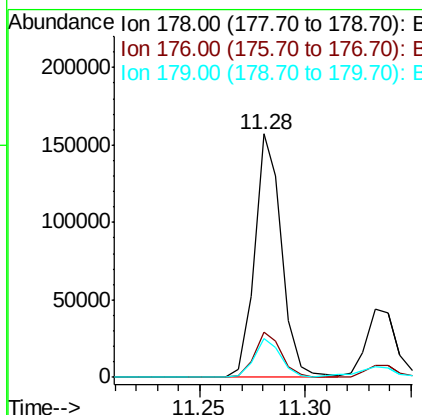
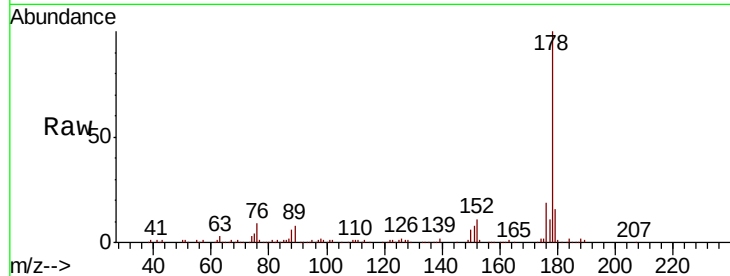
#71
Phenanthrene
Concen: 8.849 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.5	24.7
179	16.1	13.0	19.6

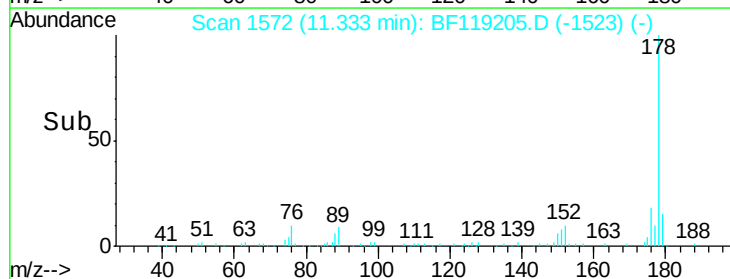
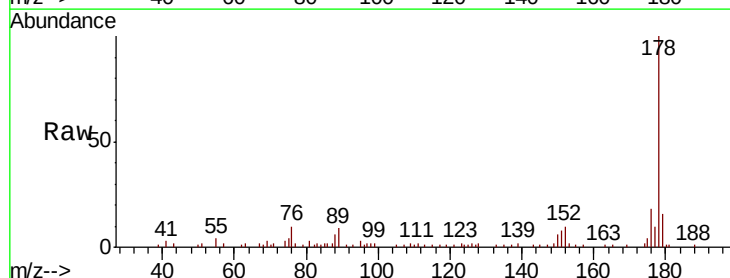
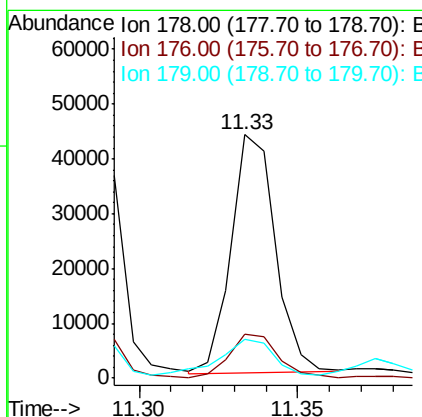
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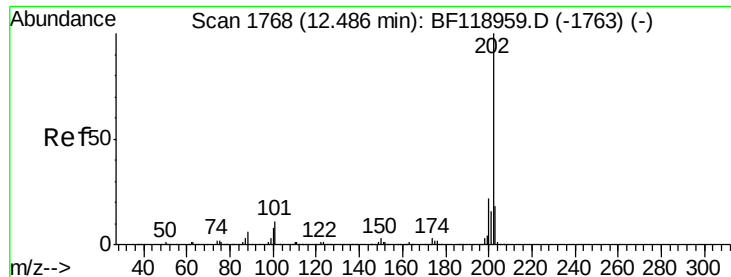
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#72
Anthracene
Concen: 2.646 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.0	24.0
179	15.9	13.1	19.7





#75

Fluoranthene

Concen: 13.269 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Instrument :

BNA_F

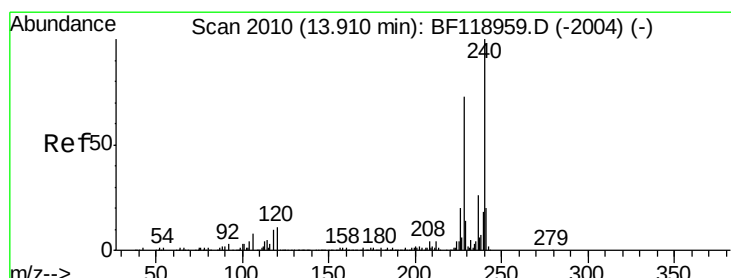
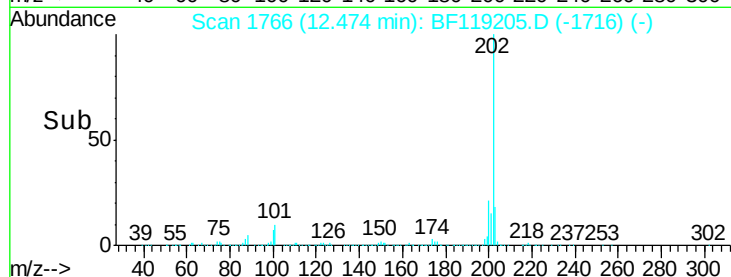
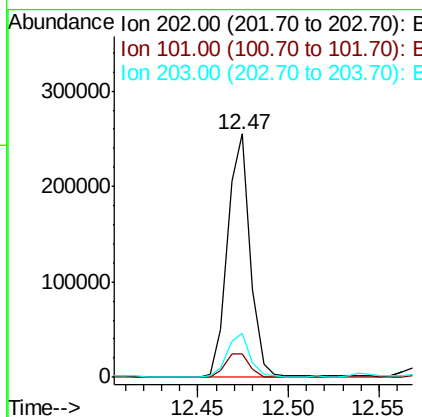
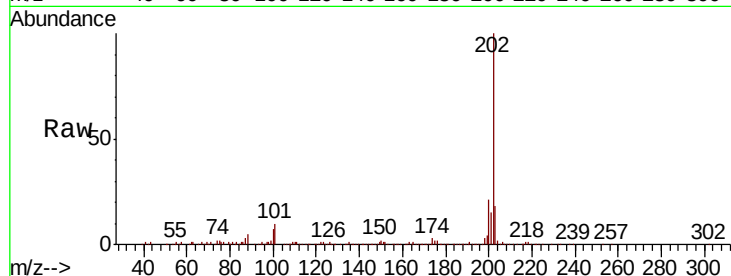
ClientSampled :

C-1

Tot Ion:	202	Resp:	221779
Ion Ratio		Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.9	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

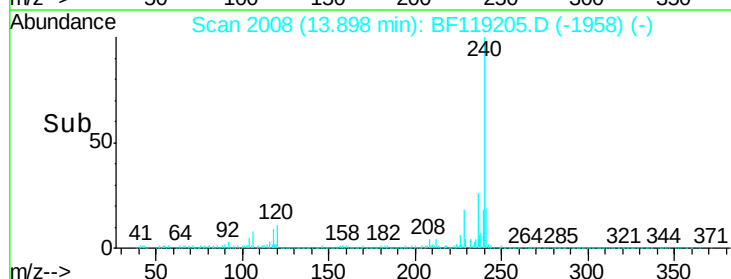
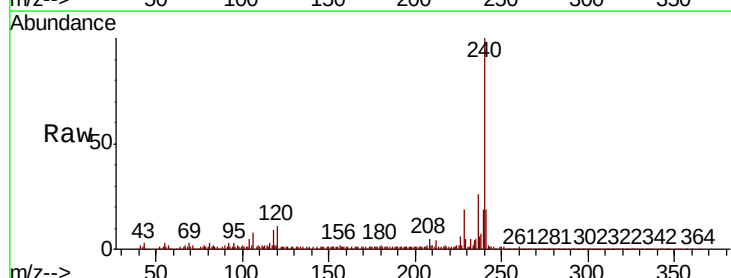
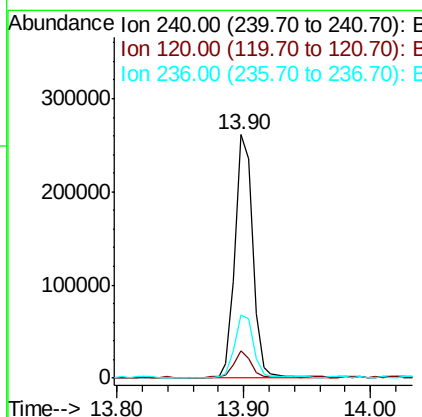
RT: 13.90 min Scan# 2008

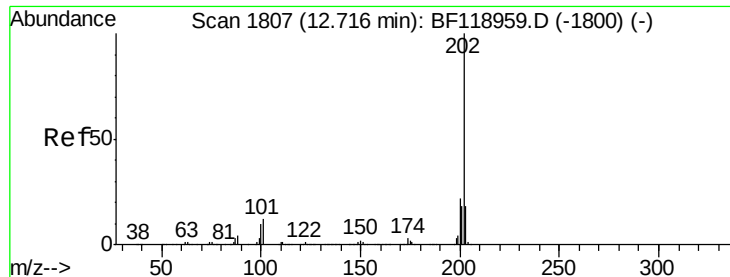
Delta R.T. -0.01 min

Lab File: BF119205.D

Acq: 4 Mar 2020 20:22

Tgt Ion:	240	Resp:	250637
Ion Ratio		Lower	Upper
240	100		
120	11.0	8.4	12.6
236	26.1	21.0	31.4





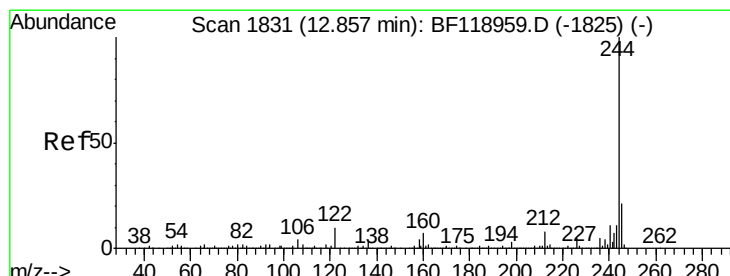
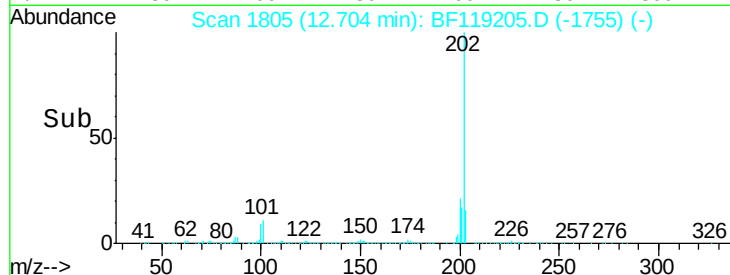
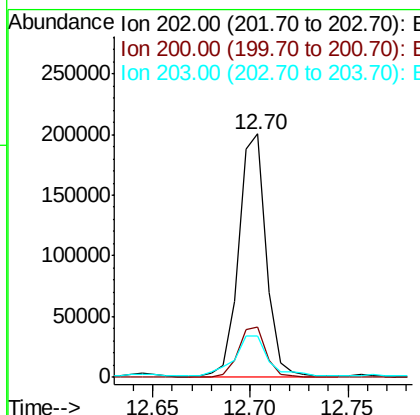
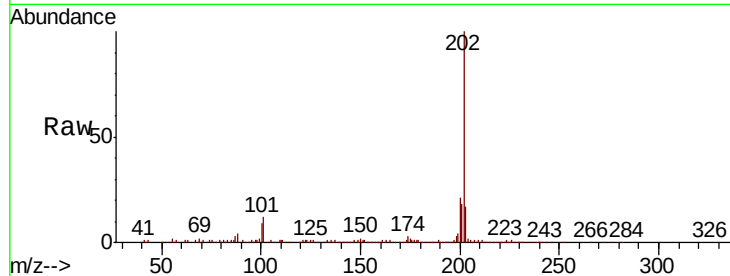
#78
Pvrene
Concen: 9.642 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	194055		
200	20.8		18.0	27.0
203	17.1		14.6	22.0

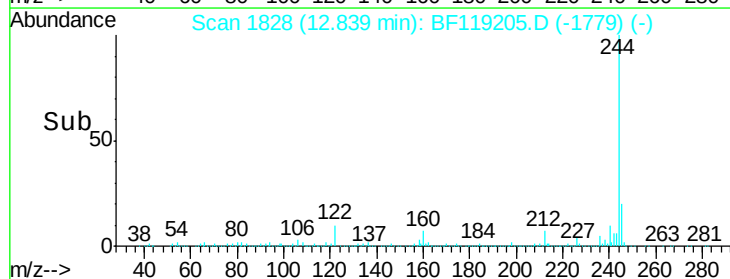
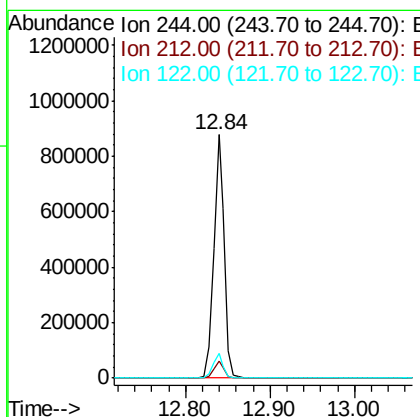
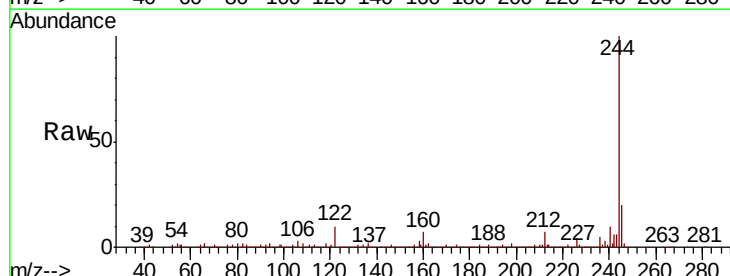
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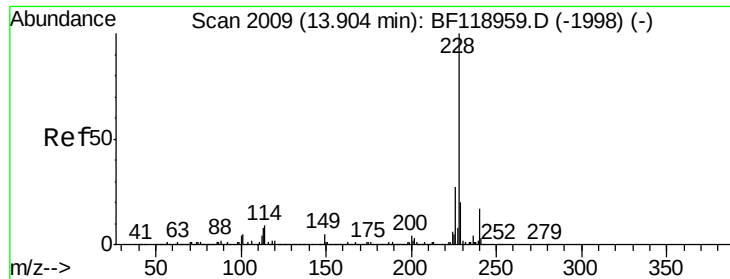
mohammad
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#79
Terphenyl-d14
Concen: 53.712 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	781931		
212	7.0		6.6	10.0
122	10.2		8.2	12.2





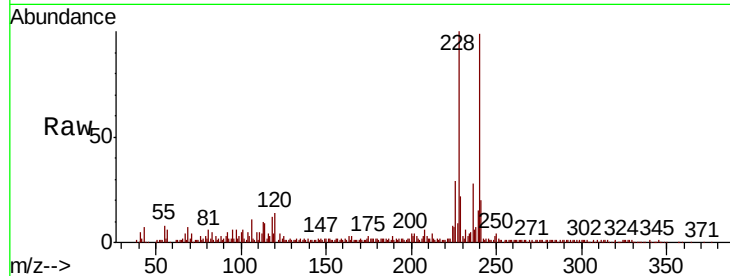
#81
Benzo(a)anthracene
Concen: 6.033 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
C-1

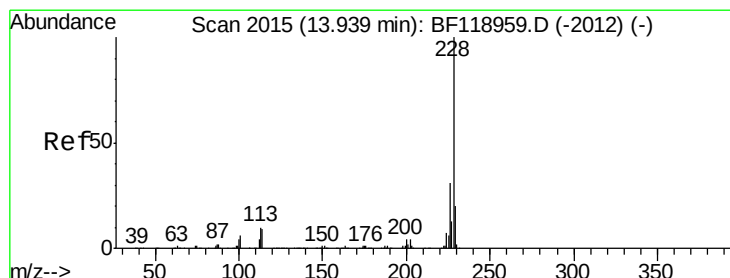
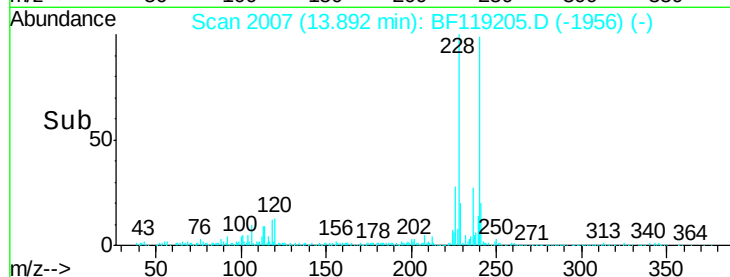
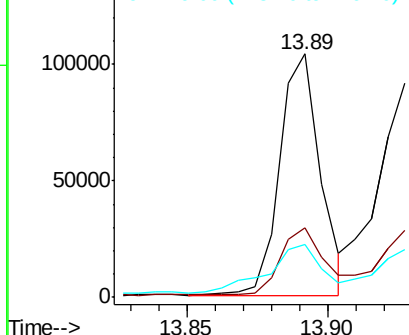
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.6	16.6	24.8

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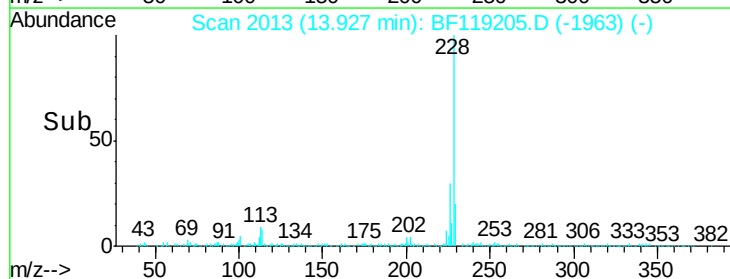
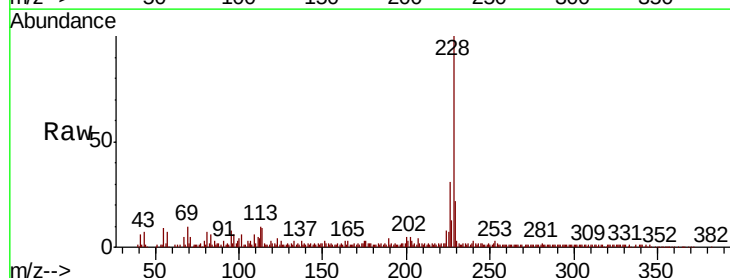
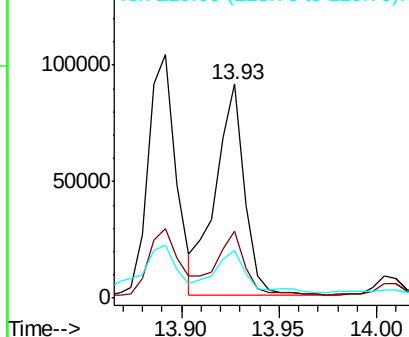
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

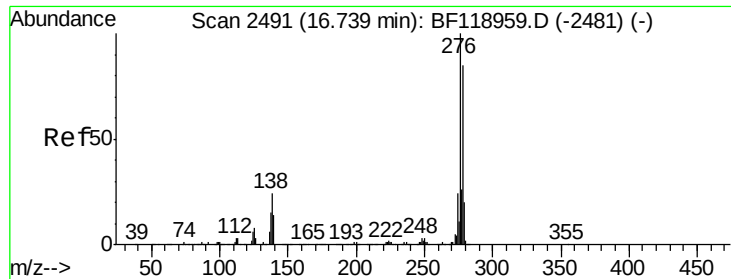


#83
Chrysene
Concen: 5.515 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.1	37.7
229	22.1	16.3	24.5

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





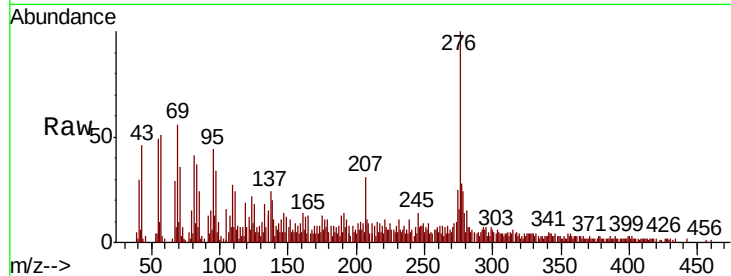
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.517 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.4	26.0
277	22.4	20.3	30.5

Manual Integrations
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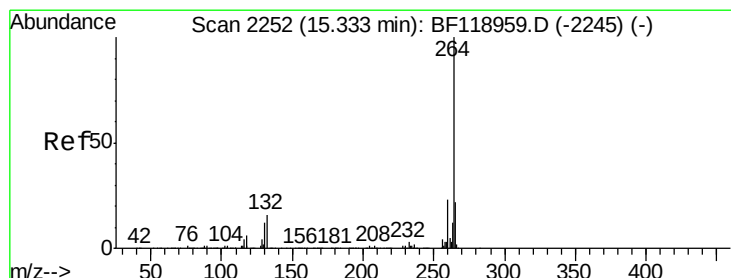
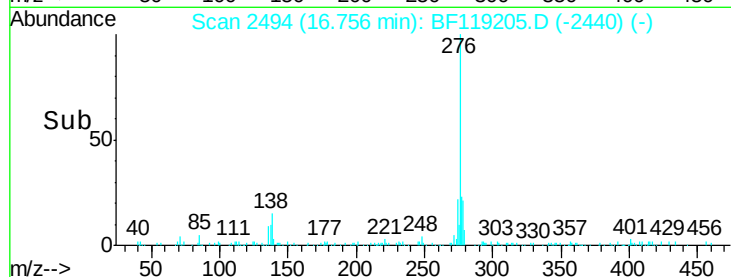
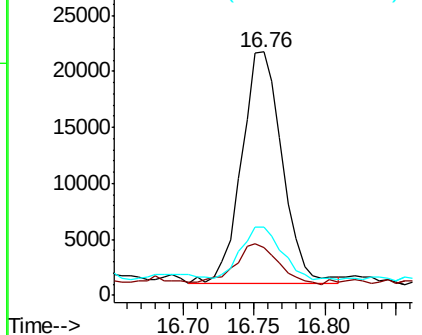


Abundance

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: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

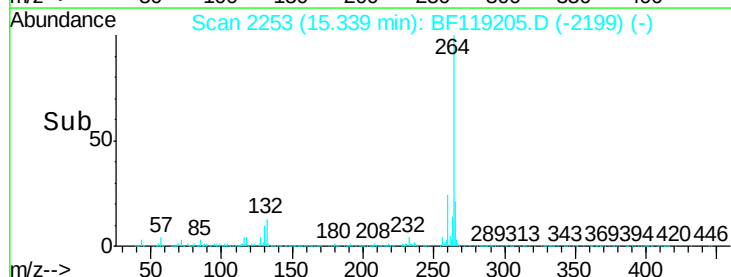
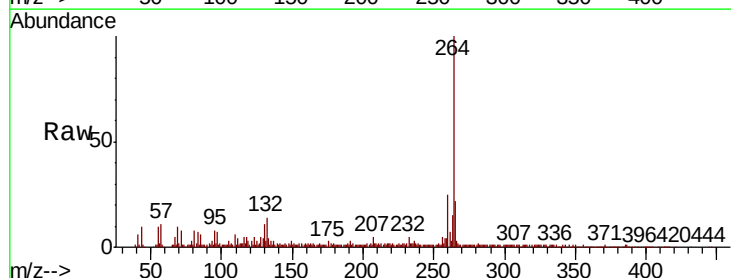
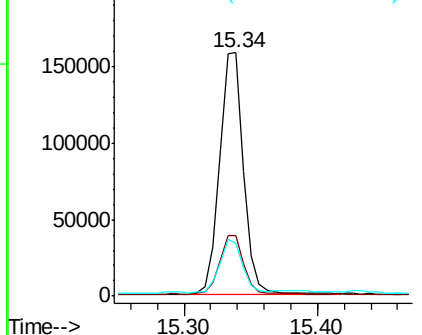
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.6	17.7	26.5

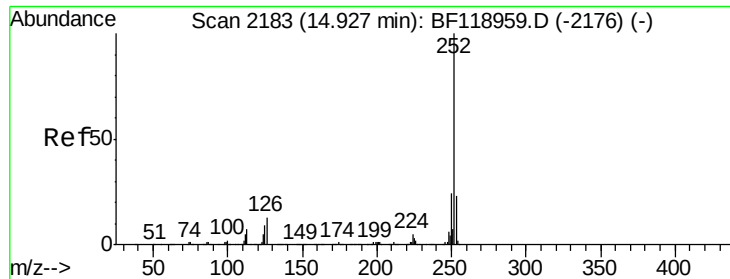
Abundance

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





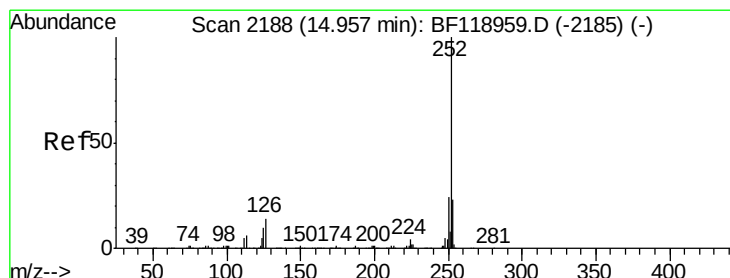
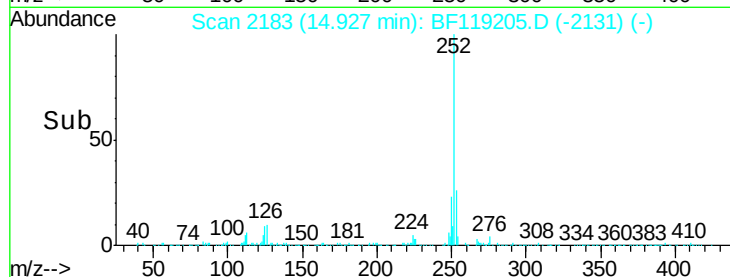
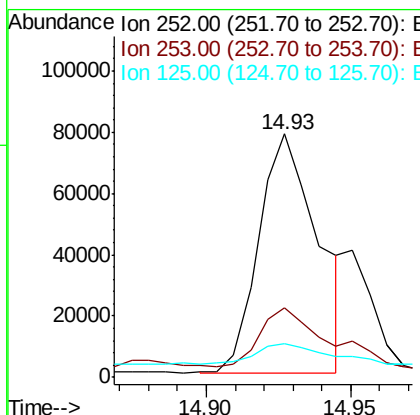
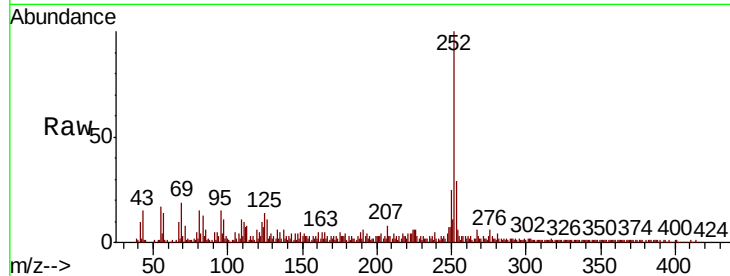
#88
Benzo(b)fluoranthene
Concen: 8.350 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.1	27.1#
125	13.9	7.4	11.0#

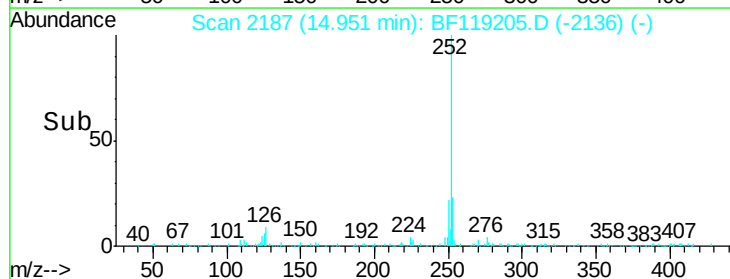
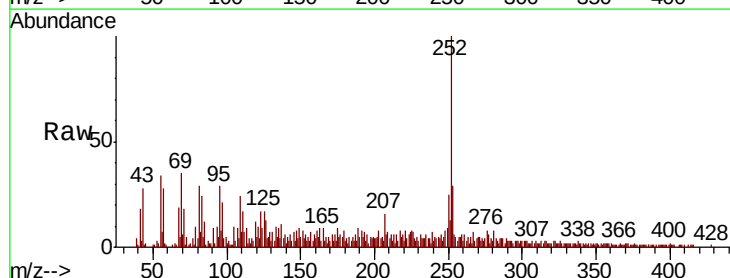
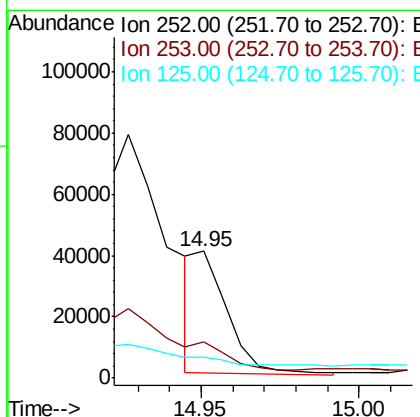
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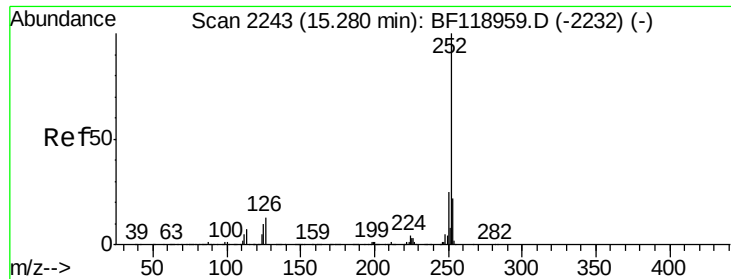
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#89
Benzo(k)fluoranthene
Concen: 2.288 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.8	26.8#
125	16.5	7.5	11.3#





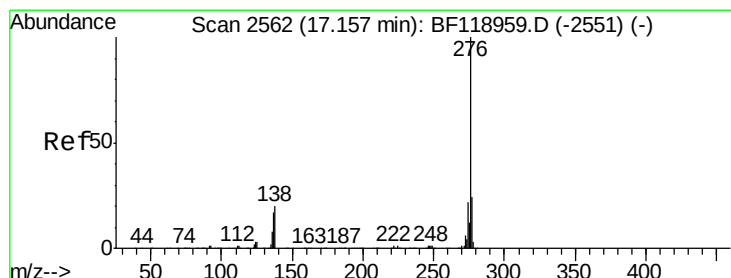
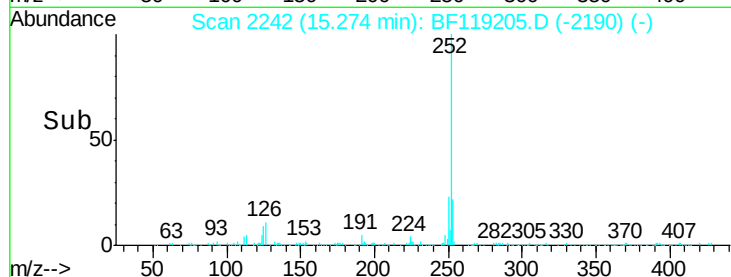
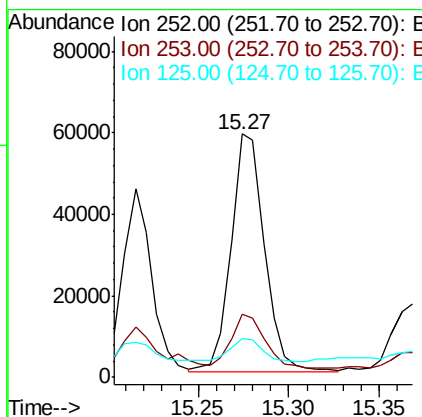
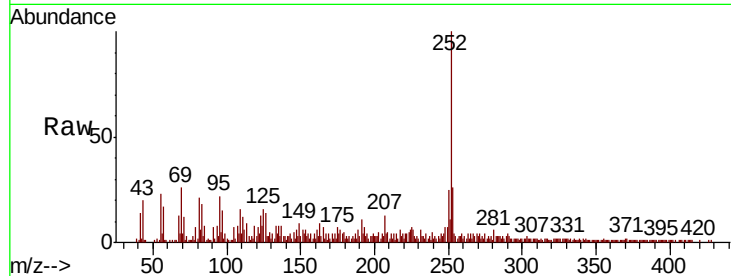
#90
Benzo(a)pyrene
Concen: 6.198 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
C-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	16.1	8.6	12.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.855 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.03 min
Lab File: BF119205.D
Acq: 4 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.7	28.1
138	22.7	14.3	21.5

