

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
 Data File : BF113005.D
 Acq On : 12 Mar 2019 16:18
 Operator : JU/SJ
 Sample : K1687-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-031119-B

Manual Integrations
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 3/13/2019 11:40:35 AM

Quant Time: Mar 13 04:19:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	184392	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	643105	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	268733	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	457885	20.00	ng	0.00
76) Chrysene-d12	13.86	240	474778	20.00	ng	0.00
87) Perylene-d12	15.27	264	452245	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	460176	38.82	ng	0.00
7) Phenol-d6	6.36	99	597133	40.10	ng	-0.01
23) Nitrobenzene-d5	7.29	82	322394	30.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	129089	45.25	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	555664	28.41	ng	0.00
79) Terphenyl-d14	12.82	244	486134	19.85	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.48	163	48122	2.429	ng	# 98
71) Phenanthrene	11.26	178	226368	9.936	ng	98
72) Anthracene	11.32	178	84119	3.527	ng	99
75) Fluoranthene	12.45	202	327783	13.429	ng	97
78) Pyrene	12.67	202	313532	7.833	ng	99
81) Benzo(a)anthracene	13.86	228	166958	5.074	ng	95
83) Chrysene	13.89	228	160392	4.976	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	58515m	2.129	ng	
88) Benzo(b)fluoranthene	14.87	252	190084m	6.498	ng	
89) Benzo(k)fluoranthene	14.90	252	54770m	2.067	ng	
90) Benzo(a)pyrene	15.21	252	132713	5.129	ng	97
92) Benzo(a,h,i)perylene	17.04	276	52439	2.365	ng	96

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

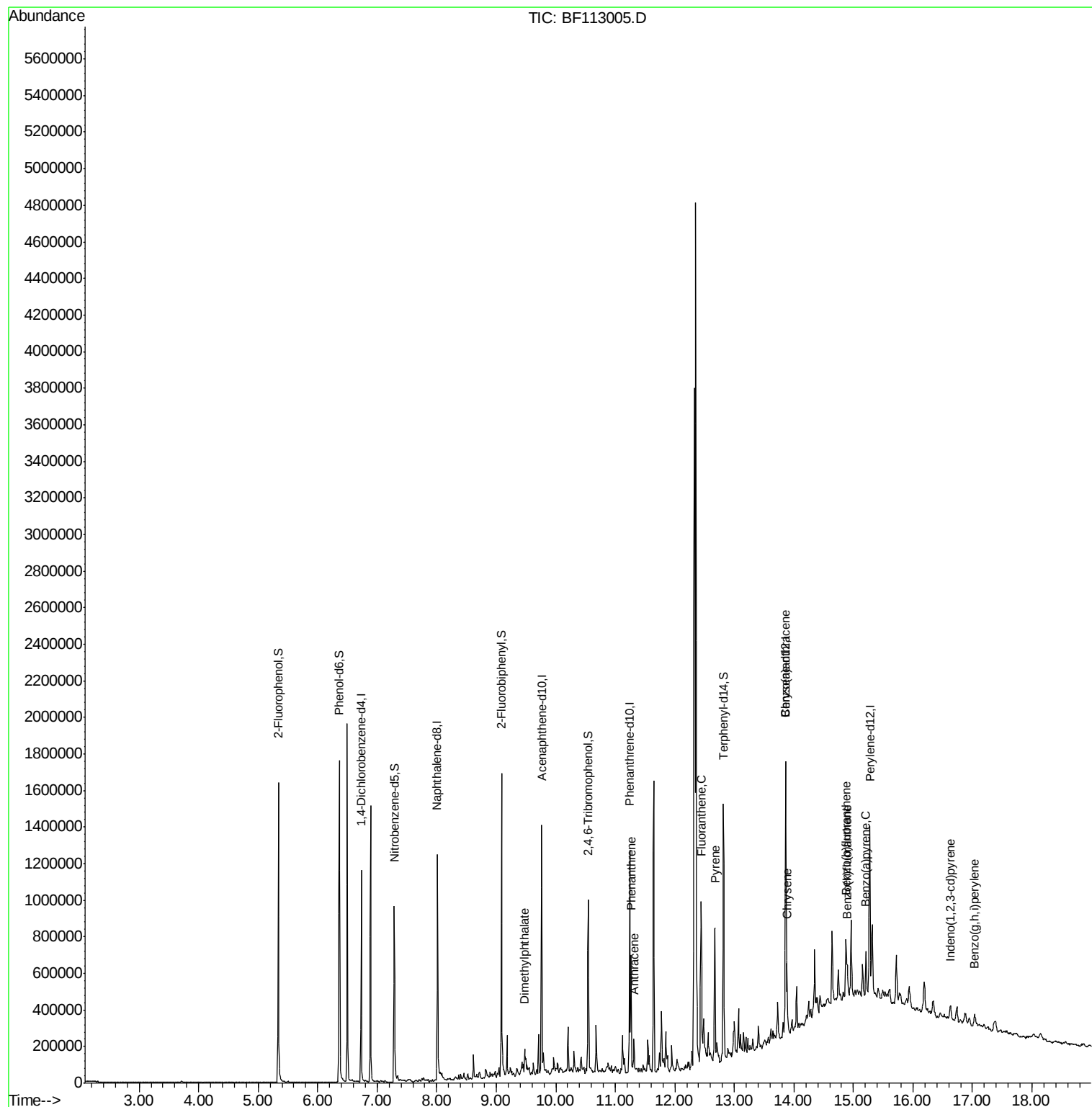
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
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ALS Vial : 8 Sample Multiplier: 1

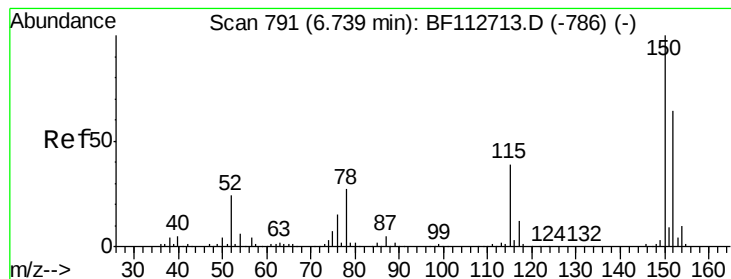
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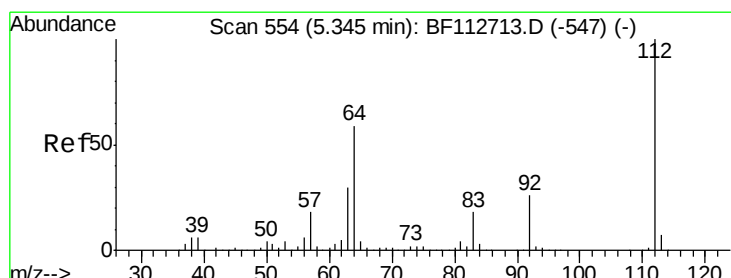
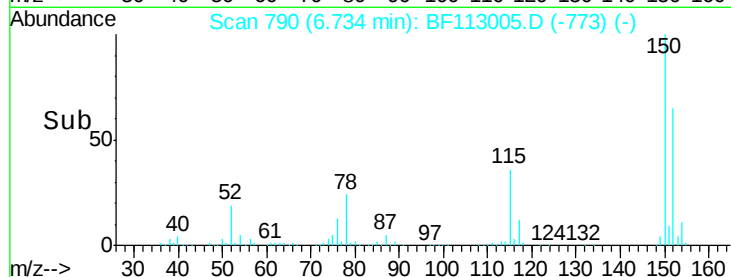
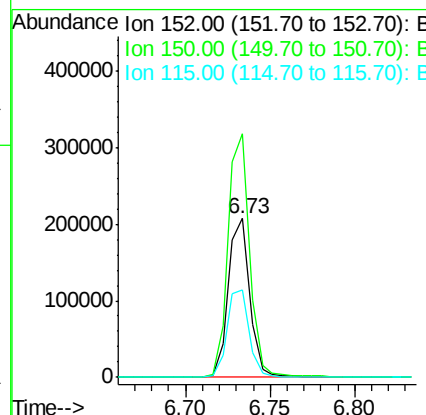
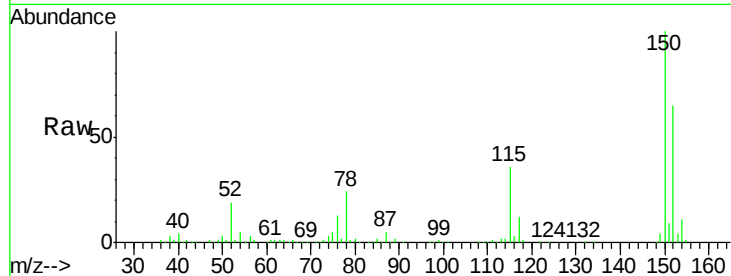
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF113005.D
 Acq: 12 Mar 2019 16:18

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-031119-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.2	186.2
115	55.2	48.2	72.4

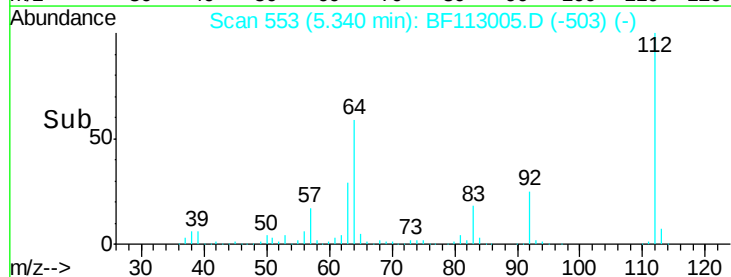
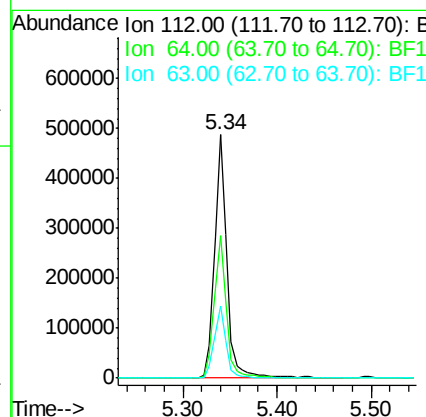
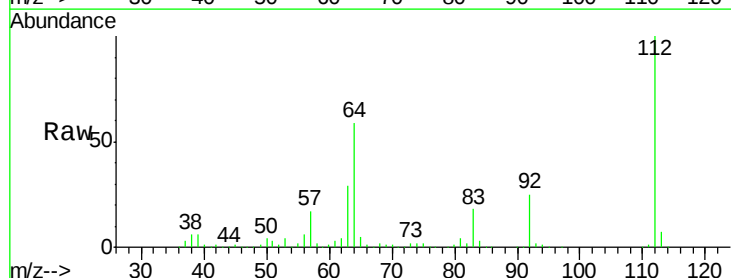
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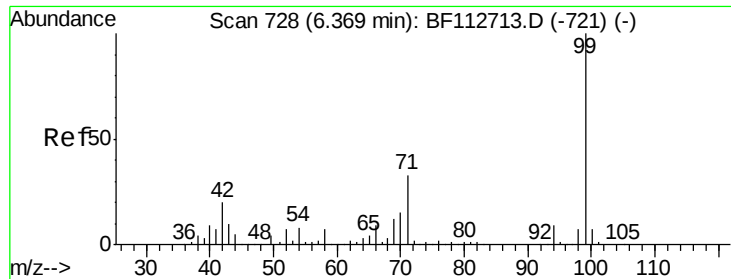
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#5
 2-Fluorophenol
 Concen: 38.821 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF113005.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.6	71.4
63	29.4	24.4	36.6





#7

Phenol-d6

Concen: 40.102 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Instrument :

BNA_F

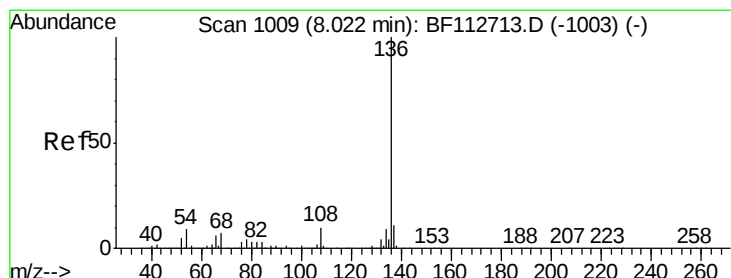
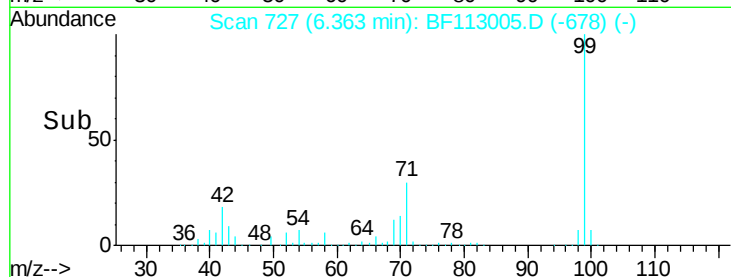
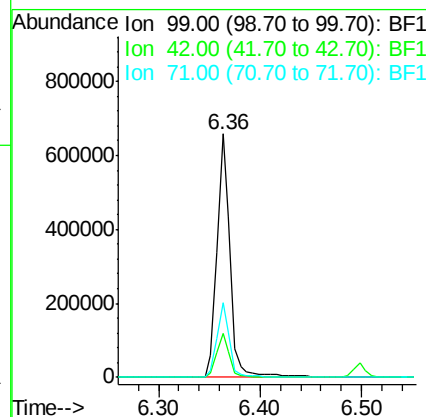
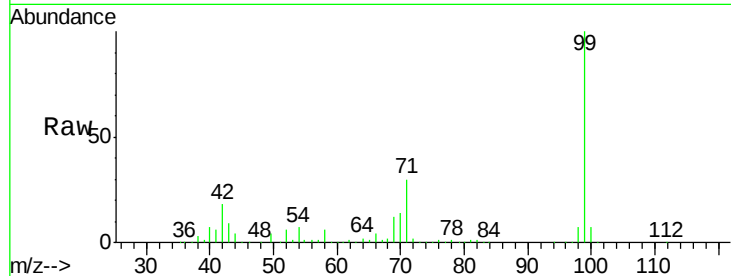
ClientSampleId :

HR-06-031119-B

Tot Ion:	99	Resp:	597133
Ion Ratio	Lower	Upper	
99	100		
42	17.9	16.3	24.5
71	30.5	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

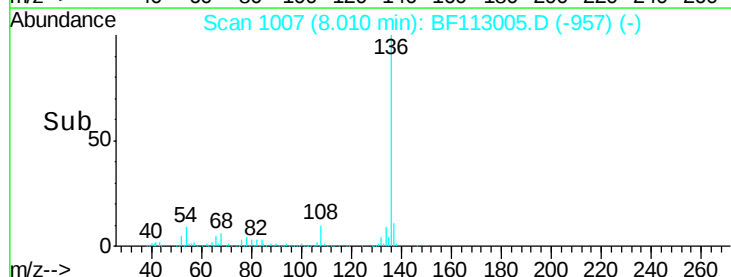
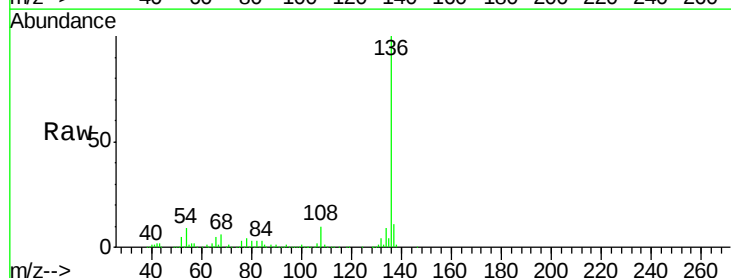
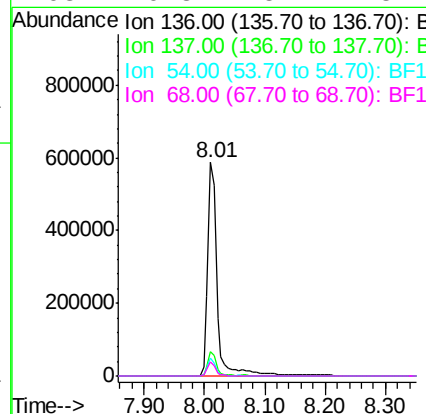
RT: 8.01 min Scan# 1007

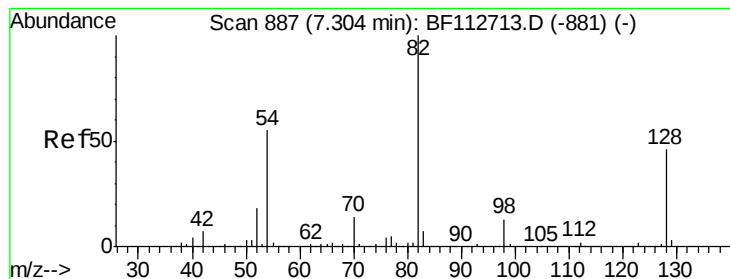
Delta R.T. -0.01 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	136	Resp:	643105
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.6	7.3	10.9
68	6.3	5.4	8.2





#23

Nitrobenzene-d5

Concen: 29.997 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Instrument :

BNA_F

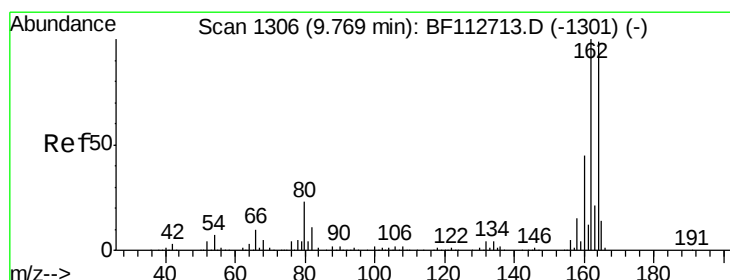
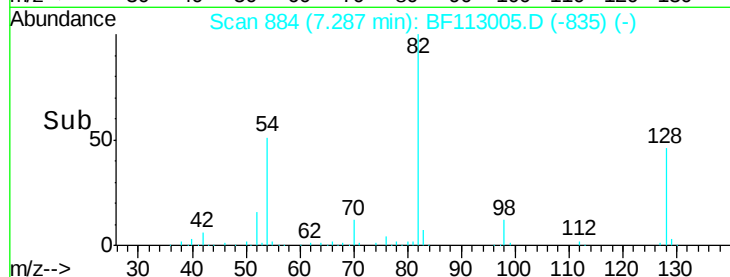
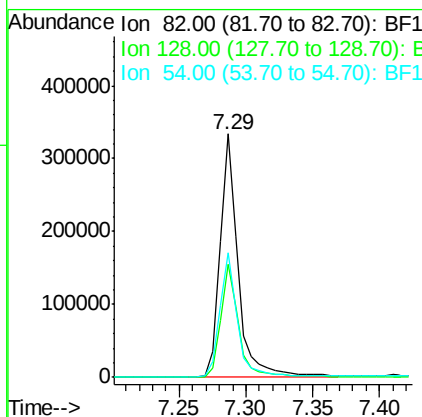
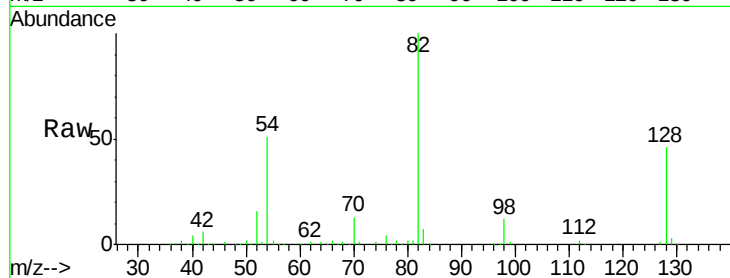
ClientSampleId :

HR-06-031119-B

Tot Ion:	82	Resp:	322394
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.3	54.5
54	51.1	43.7	65.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

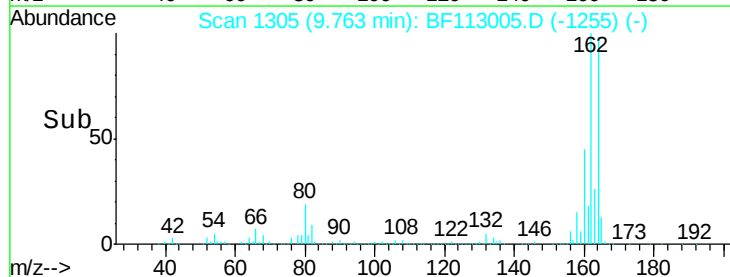
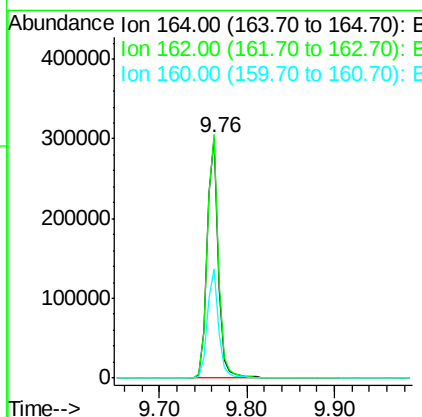
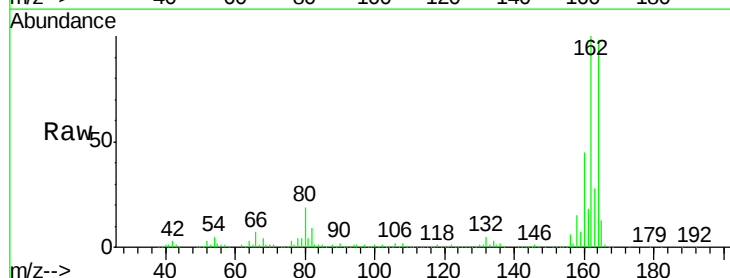
RT: 9.76 min Scan# 1305

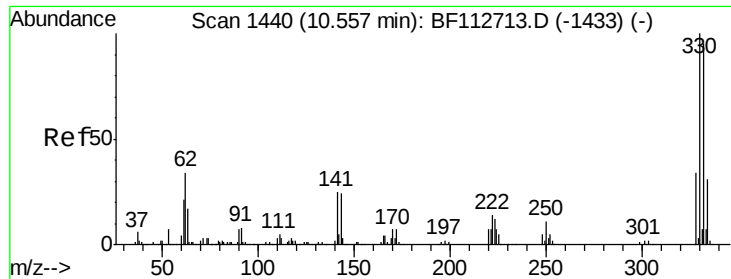
Delta R.T. -0.01 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	164	Resp:	268733
Ion Ratio	Lower	Upper	
164	100		
162	101.5	80.6	120.8
160	45.7	36.0	54.0





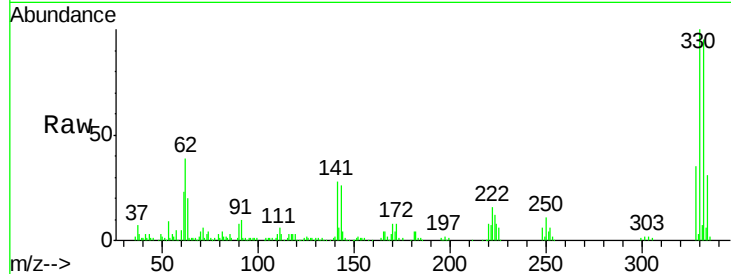
#42
 2,4,6-Tribromophenol
 Concen: 45.248 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113005.D
 Acq: 12 Mar 2019 16:18

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-031119-B

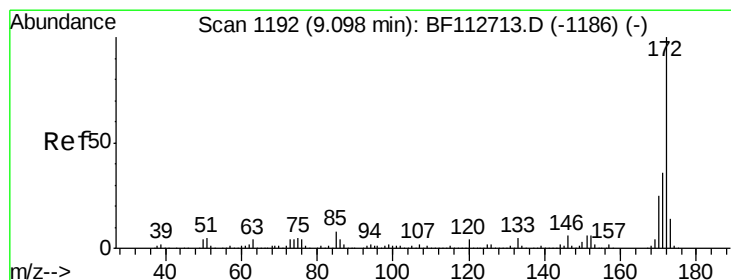
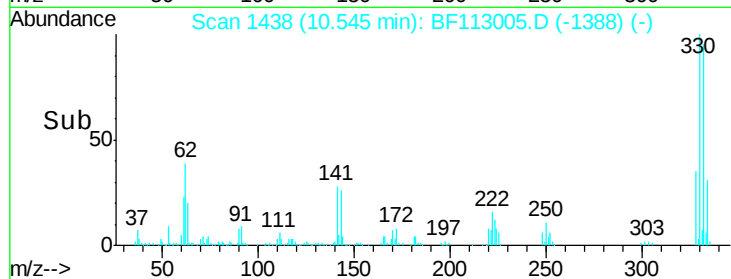
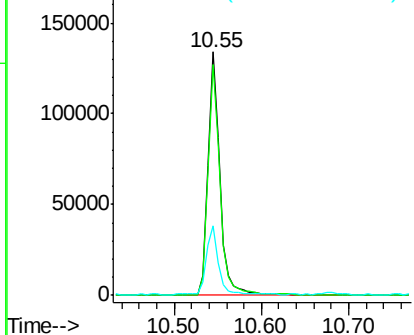
Tot Ion	Ratio	Resp	Lower	Upper
330	100	129089		
332	95.2	76.2	114.4	
141	27.8	27.0	40.6	

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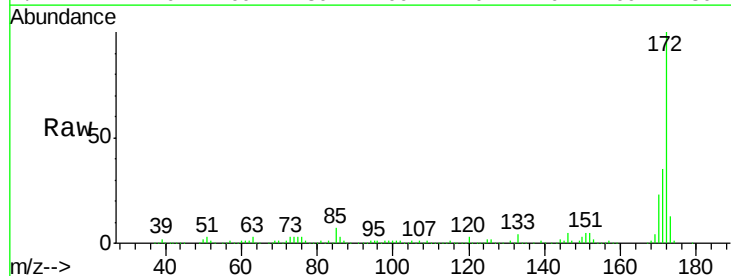


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

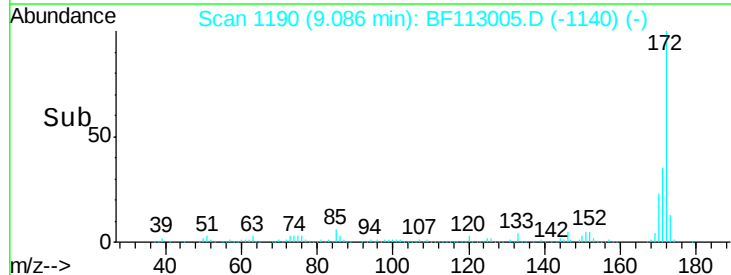
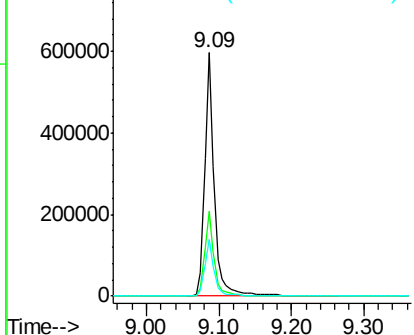


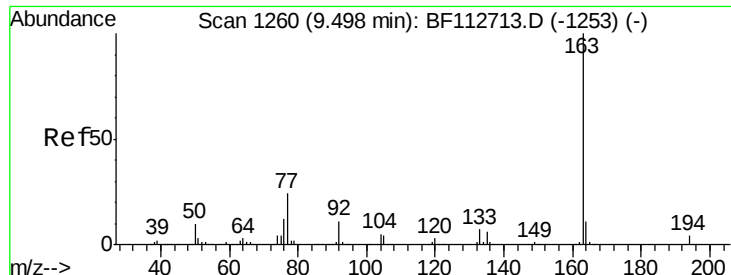
#45
 2-Fluorobiphenyl
 Concen: 28.412 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113005.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	555664		
171	34.6	29.0	43.4	
170	23.3	20.0	30.0	



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





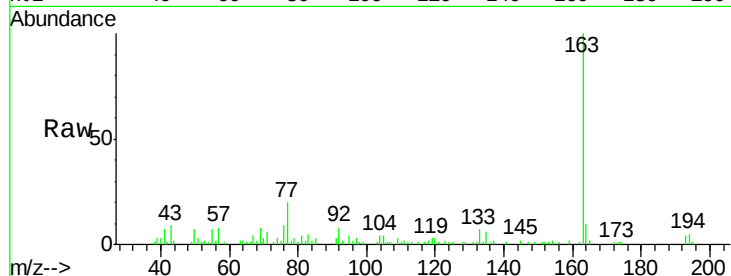
#50
Dimethylphthalate
Concen: 2.429 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Instrument :
BNA_F
ClientSampled :
HR-06-031119-B

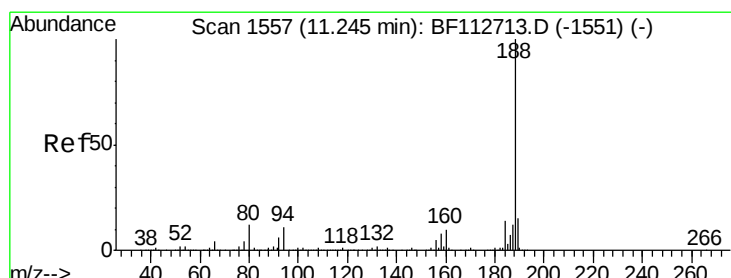
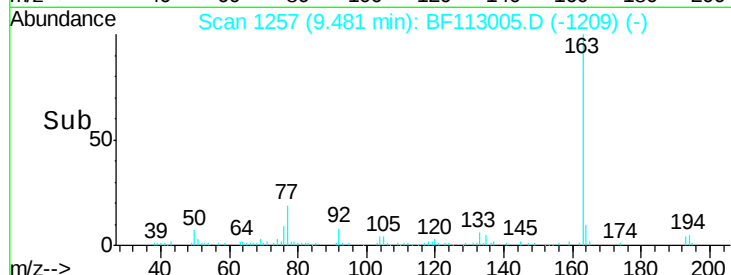
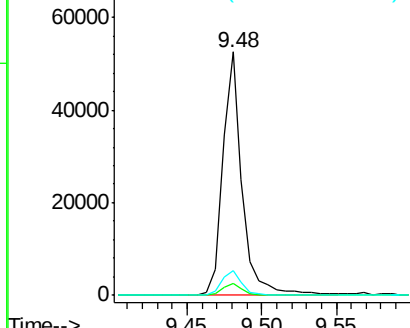
Tot Ion	Ratio	Resp	Lower	Upper
163	100	48122		
194	4.9		3.0	4.4#
164	9.9		8.4	12.6

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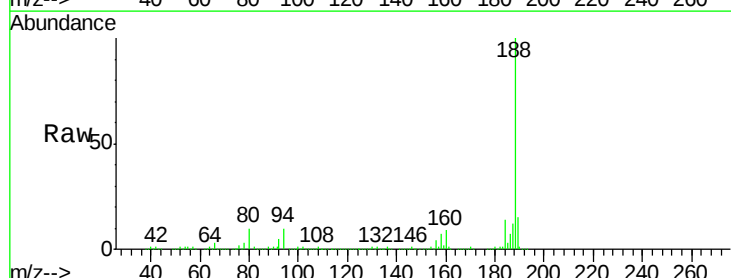


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

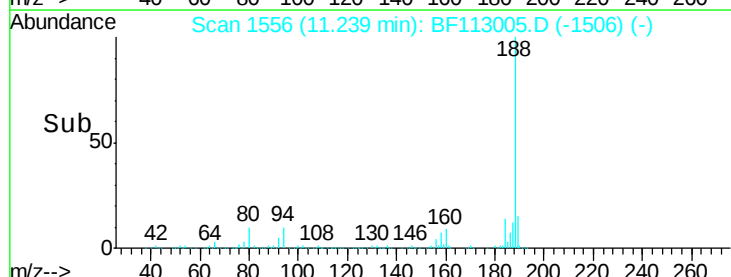
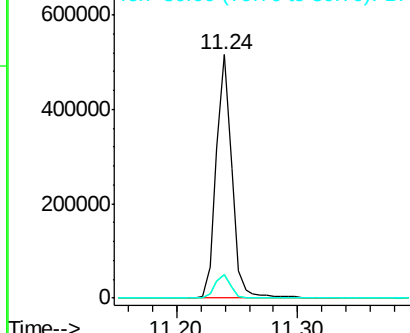


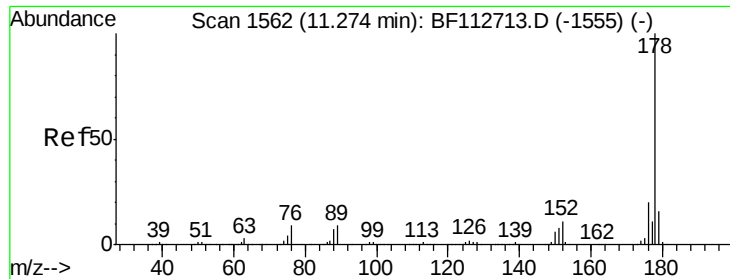
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	457885		
94	9.6		9.0	13.4
80	9.6		9.2	13.8



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





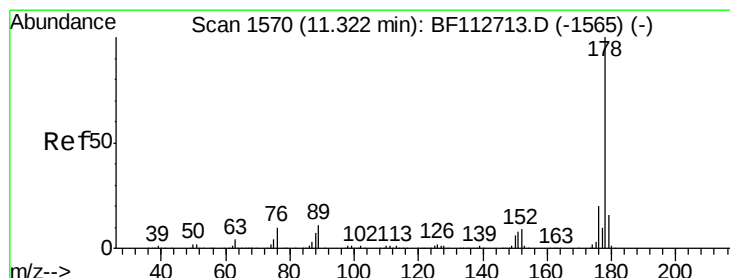
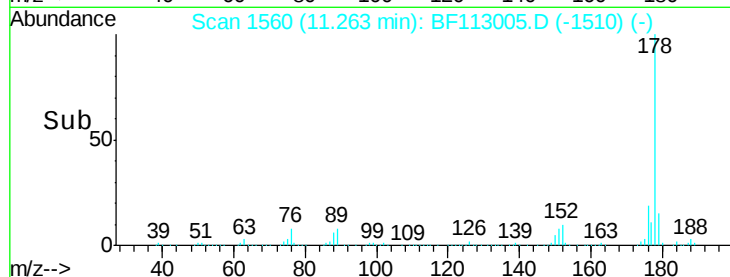
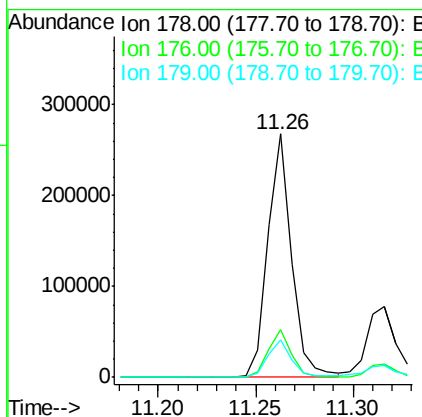
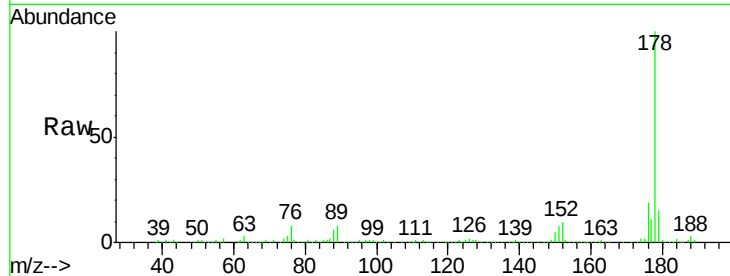
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Phenanthrene
Concen: 9.936 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Instrument :
BNA_F
ClientSampleId :
HR-06-031119-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.3	24.5
179	15.3	12.7	19.1

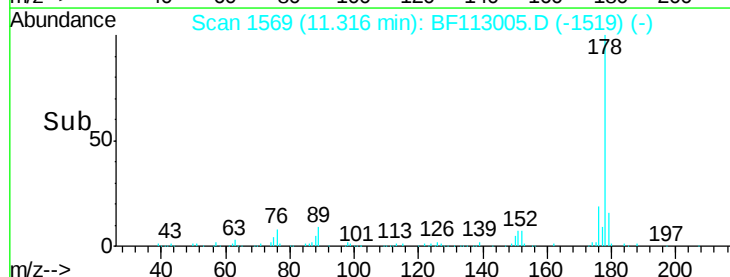
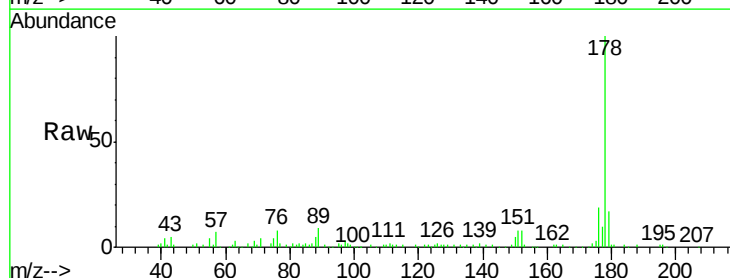
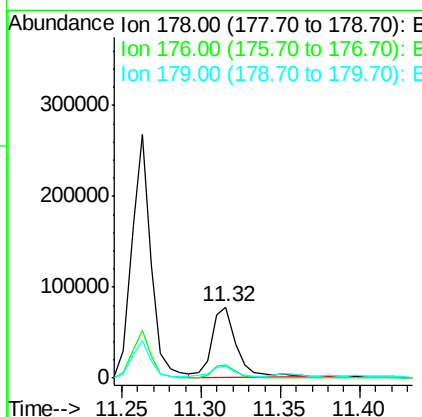
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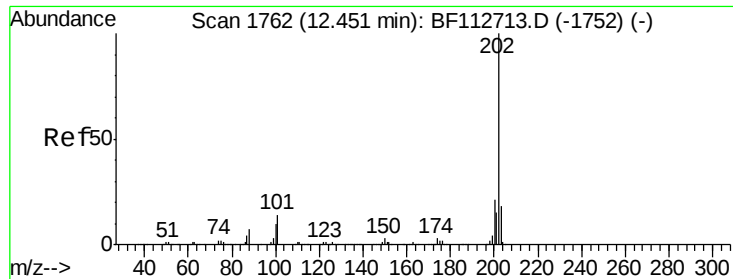
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#72
Anthracene
Concen: 3.527 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	16.8	13.0	19.6





#75

Fluoranthene

Concen: 13.429 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Instrument :

BNA_F

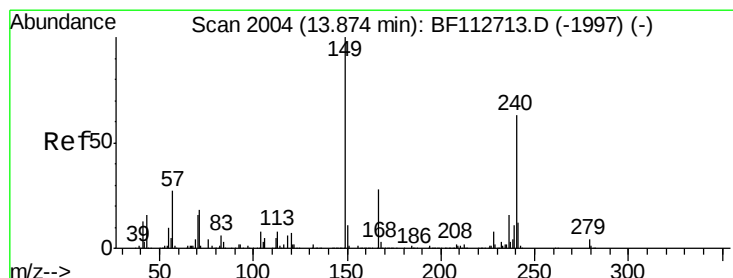
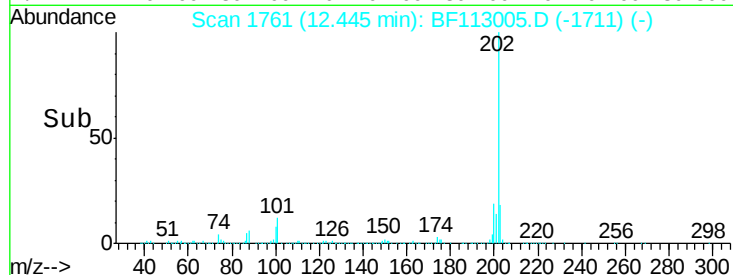
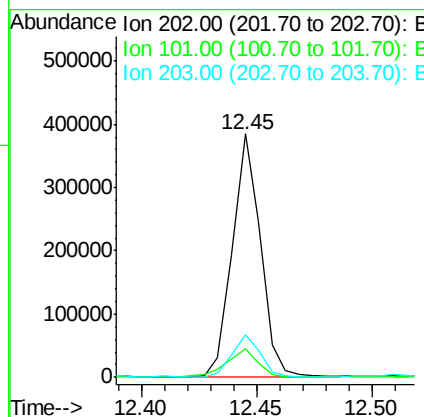
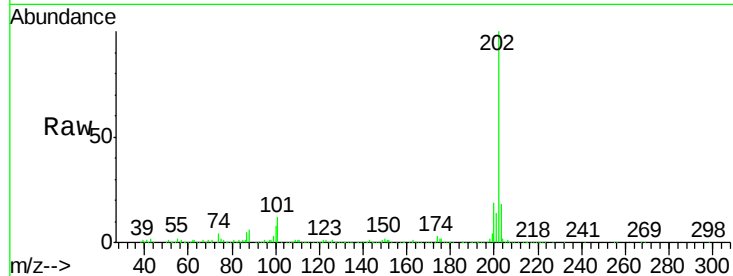
ClientSampled :

HR-06-031119-B

Tot Ion:	202	Resp:	327783
Ion Ratio		Lower	Upper
202	100		
101	11.5	0.0	33.8
203	17.7	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

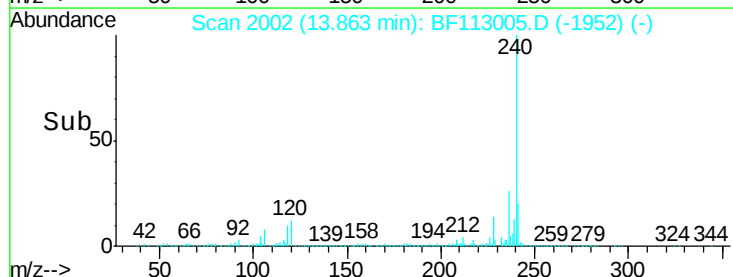
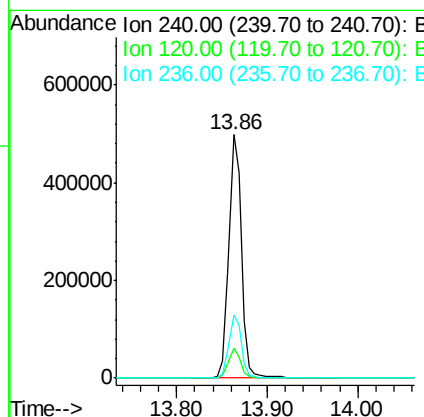
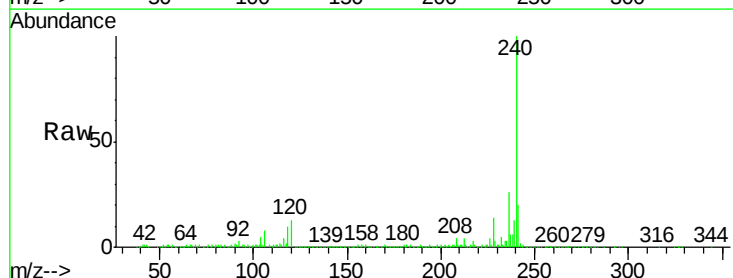
RT: 13.86 min Scan# 2002

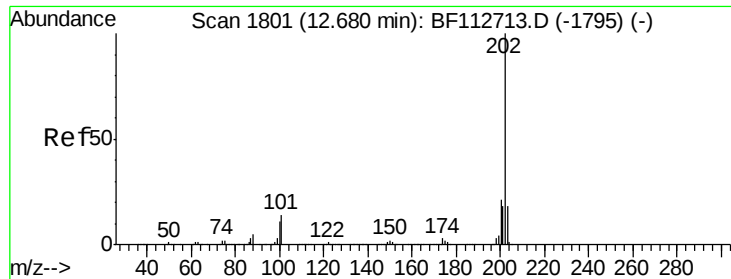
Delta R.T. -0.01 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	240	Resp:	474778
Ion Ratio		Lower	Upper
240	100		
120	12.5	8.9	13.3
236	26.2	20.7	31.1





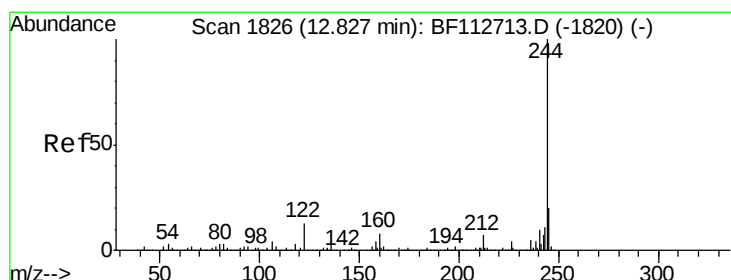
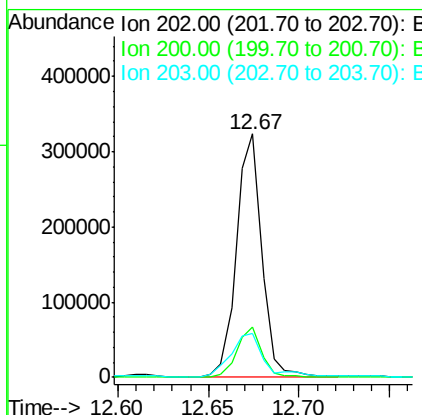
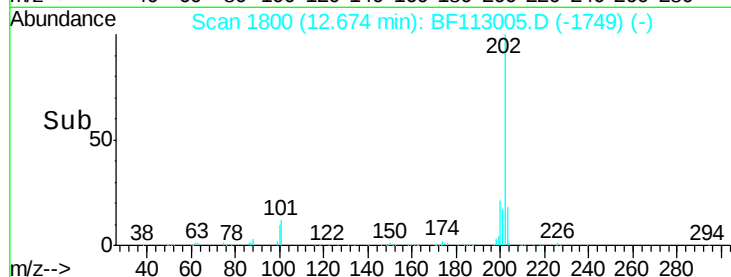
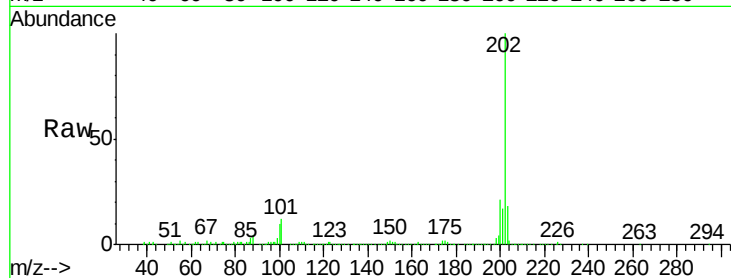
#78
Pvrene
Concen: 7.833 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Instrument :
BNA_F
ClientSampleId :
HR-06-031119-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.1	14.4	21.6

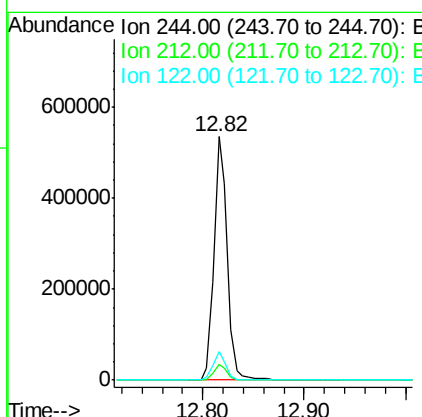
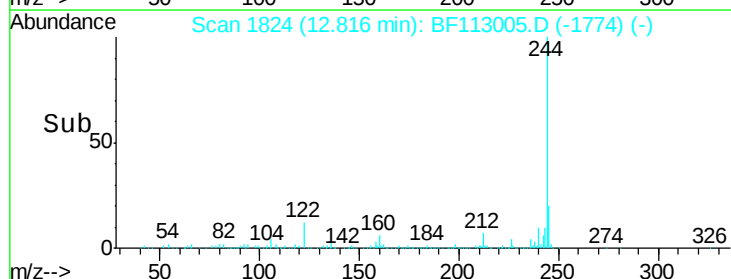
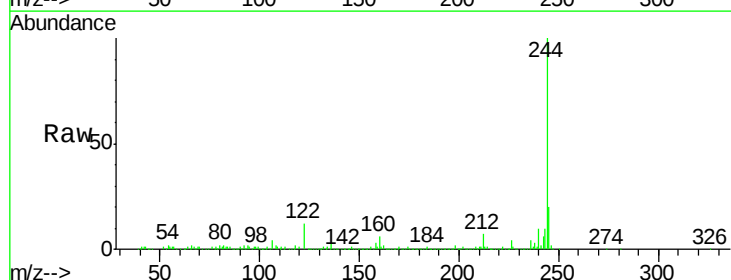
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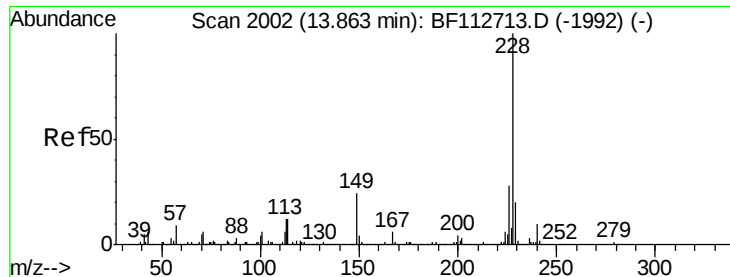
Sohil
3/13/2019 11:40:35 AM



#79
Terphenyl-d14
Concen: 19.849 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.8	10.5	15.7





#81

Benzo(a)anthracene

Concen: 5.074 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Instrument :

BNA_F

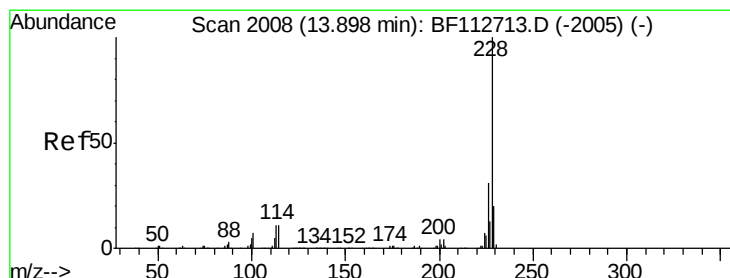
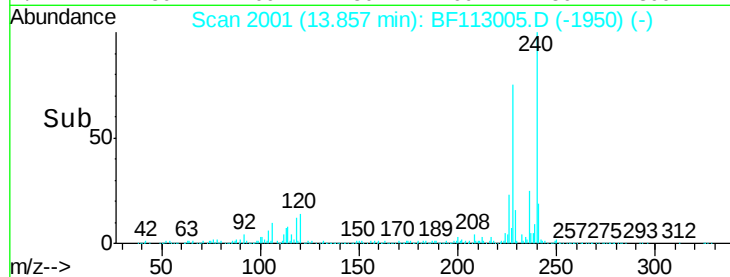
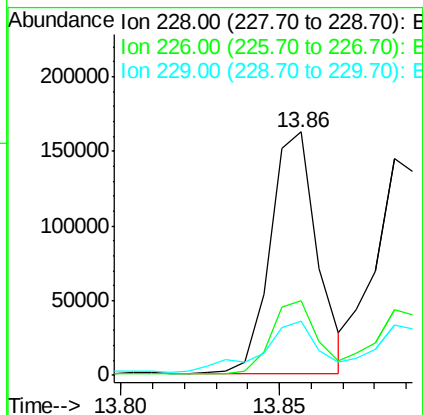
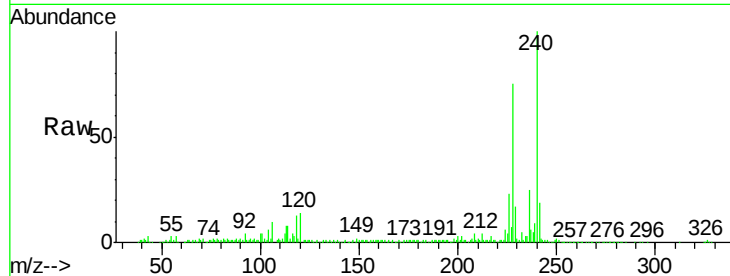
ClientSampleId :

HR-06-031119-B

Tot Ion:	228	Resp:	166958
Ion Ratio	Lower	Upper	
228	100		
226	30.8	22.2	33.4
229	22.2	16.0	24.0

Manual Integrations
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#83

Chrysene

Concen: 4.976 ng

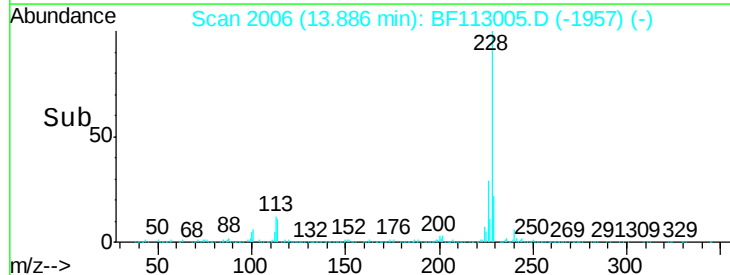
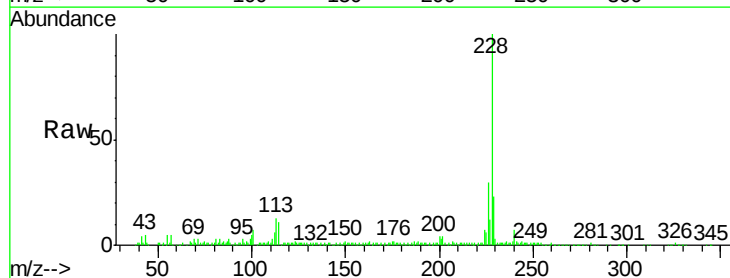
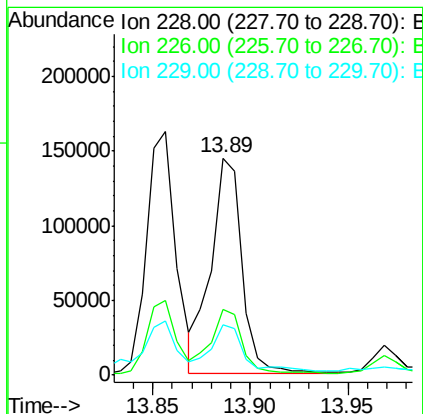
RT: 13.89 min Scan# 2006

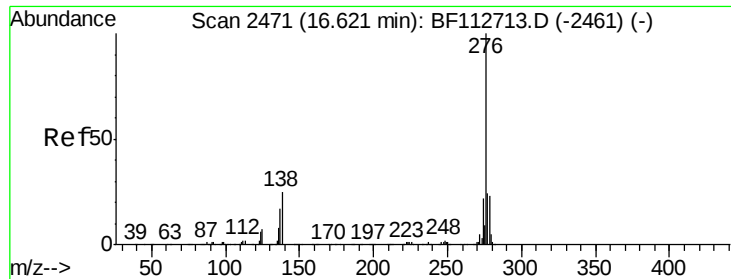
Delta R.T. -0.01 min

Lab File: BF113005.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	228	Resp:	160392
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	23.4	16.3	24.5





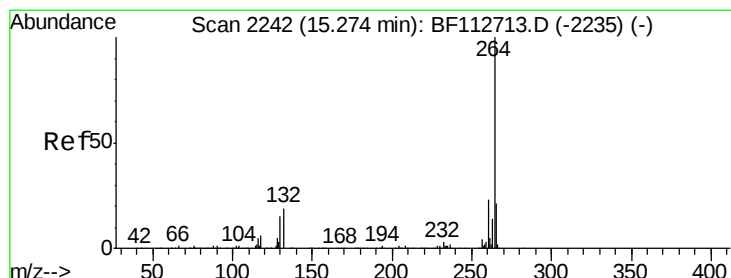
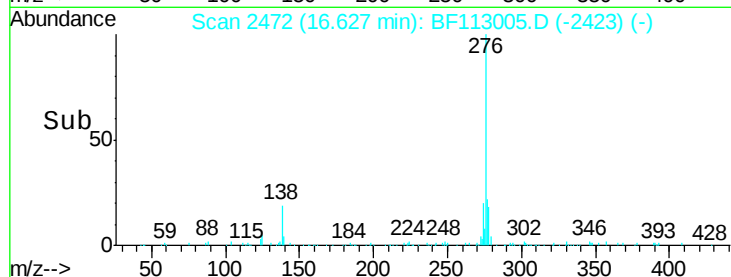
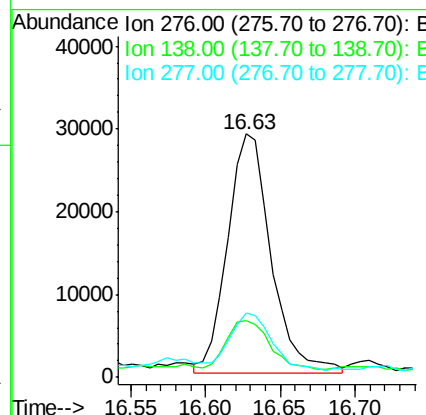
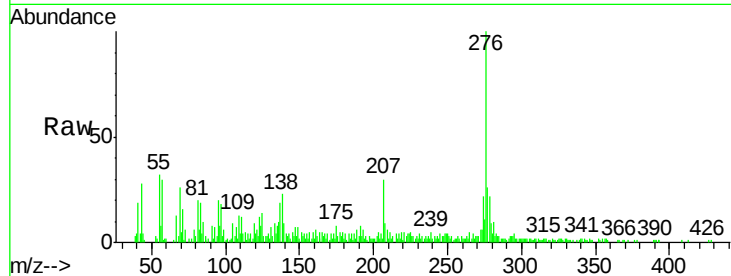
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.129 ng/ml
RT: 16.63 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Instrument :
BNA_F
ClientSampleId :
HR-06-031119-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.9	23.2	34.8#
277	1.5	19.9	29.9#

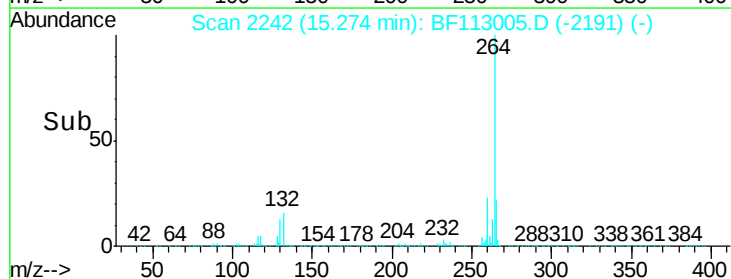
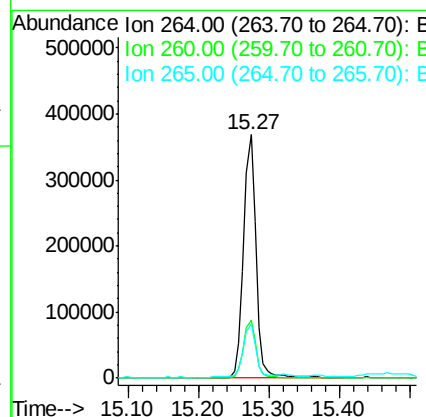
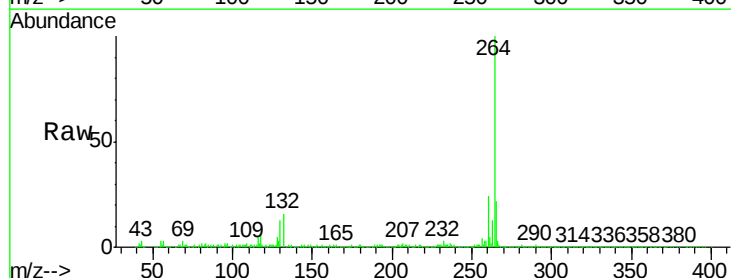
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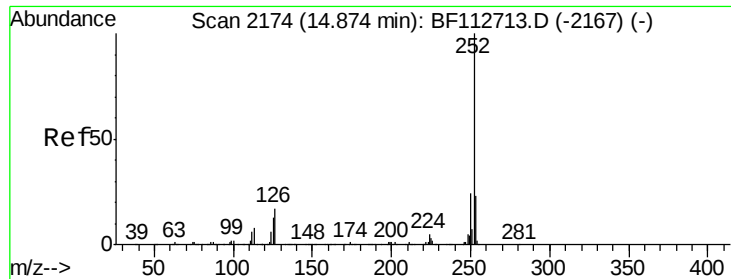
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3/13/2019 11:40:35 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.5	17.2	25.8





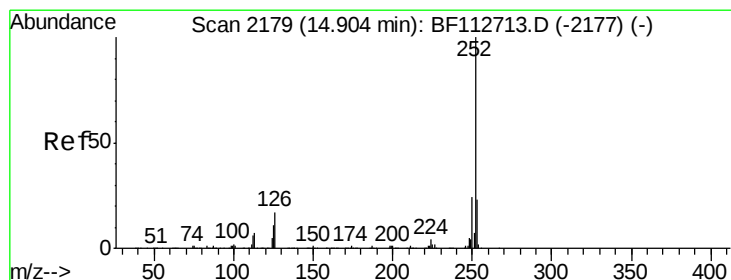
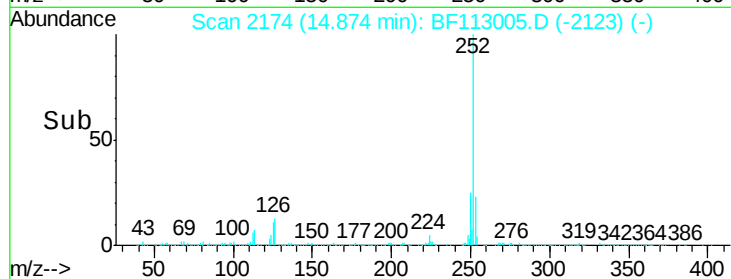
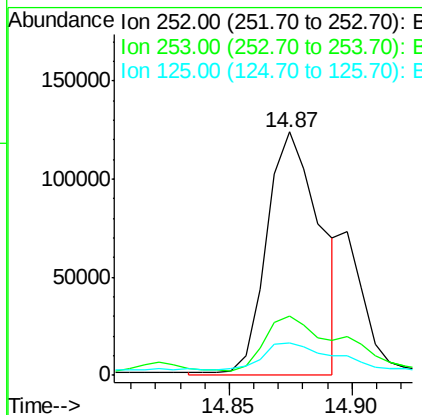
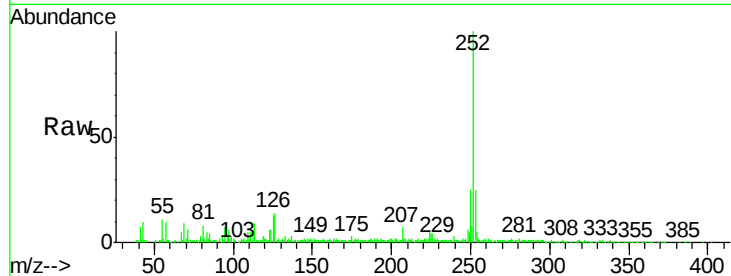
#88
Benzo(b)fluoranthene
Concen: 6.498 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Instrument :
BNA_F
ClientSampleId :
HR-06-031119-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	13.1	10.2	15.2

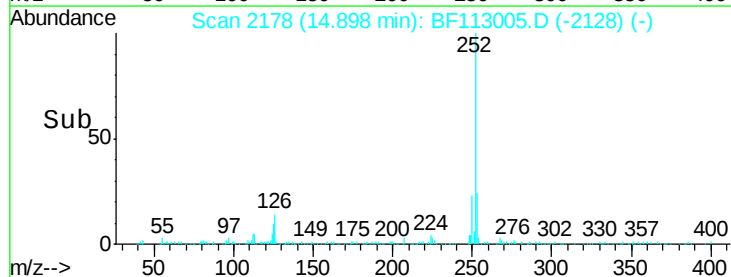
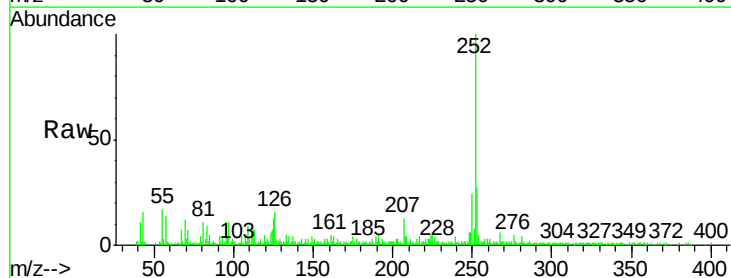
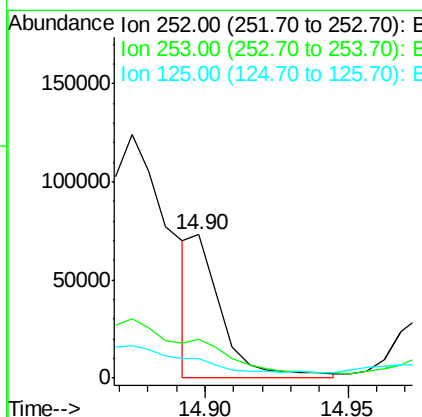
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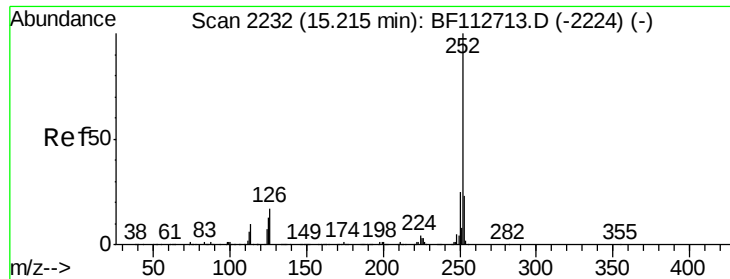
Sohil
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#89
Benzo(k)fluoranthene
Concen: 2.067 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.2	27.2
125	13.5	9.8	14.6





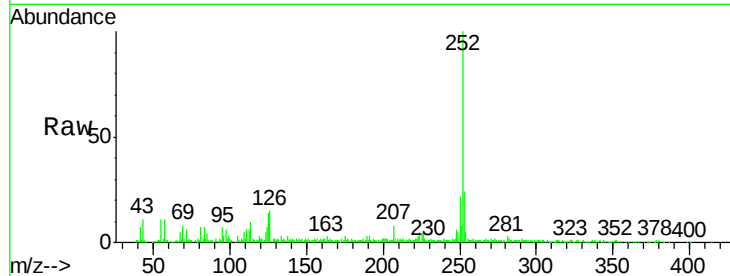
#90
Benzo(a)pyrene
Concen: 5.129 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Instrument :
BNA_F
ClientSampleId :
HR-06-031119-B

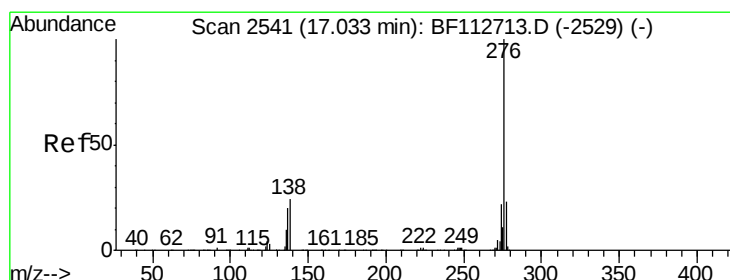
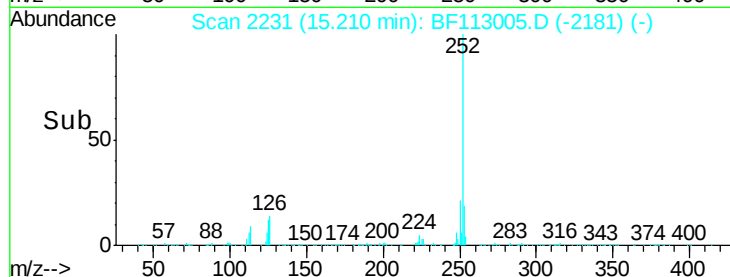
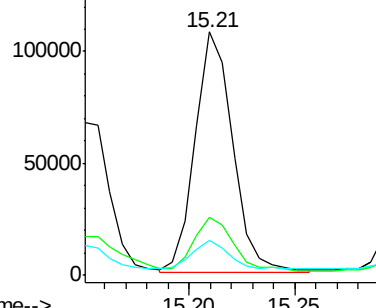
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	18.0	27.0
125	14.3	10.7	16.1

Manual Integrations
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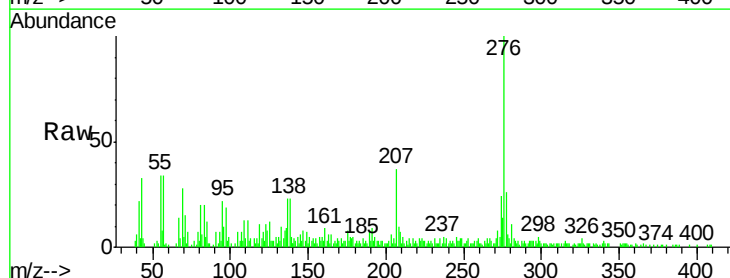


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.365 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF113005.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.3	18.6	27.8
138	23.1	19.4	29.0



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

