

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113317.D
 Acq On : 27 Mar 2019 3:45
 Operator : JU/SJ
 Sample : K1693-15 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032519-B

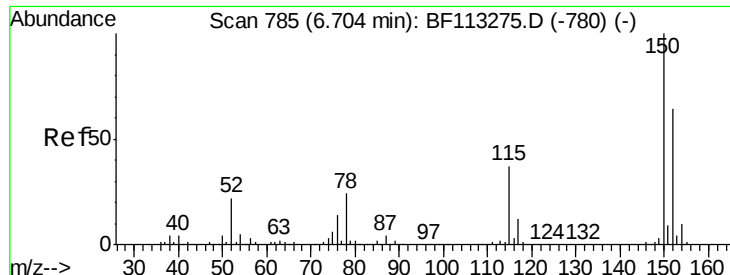
Manual Integrations
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Quant Time: Mar 27 08:32:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	154700	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	564794	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	218735	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	386406	20.00	ng	0.00
76) Chrysene-d12	13.84	240	419680	20.00	ng	0.00
87) Perylene-d12	15.24	264	355841	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	216962	22.93	ng	0.00
7) Phenol-d6	6.34	99	312297	26.09	ng	-0.02
23) Nitrobenzene-d5	7.26	82	162938	17.12	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	56747	21.00	ng	-0.01
45) 2-Fluorobiphenyl	9.06	172	304381	5.27	ng	0.00
79) Terphenyl-d14	12.79	244	295247	15.51	ng	-0.01
Target Compounds						
71) Phenanthrene	11.23	178	132272	6.893	ng	97
72) Anthracene	11.29	178	46080	2.364	ng	98
75) Fluoranthene	12.42	202	295723	13.632	ng	98
78) Pyrene	12.65	202	269383	9.263	ng	99
81) Benzo(a)anthracene	13.83	228	145778	6.068	ng	99
83) Chrysene	13.86	228	141702	5.807	ng	97
86) Indeno(1,2,3-cd)pyrene	16.59	276	64680	3.089	ng	98
88) Benzo(b)fluoranthene	14.84	252	193148m	8.738	ng	
89) Benzo(k)fluoranthene	14.87	252	48493m	2.498	ng	
90) Benzo(a)pyrene	15.18	252	122160	6.234	ng	# 95
92) Benzo(g,h,i)perylene	16.99	276	62497	3.658	ng	92

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



#1

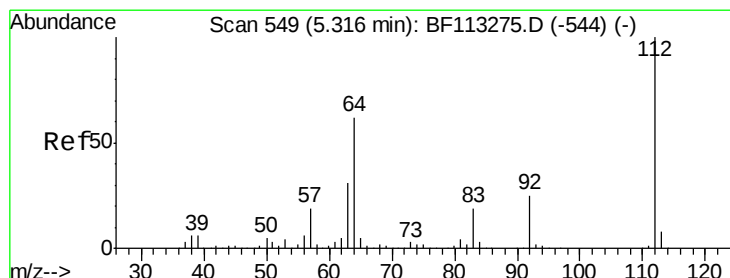
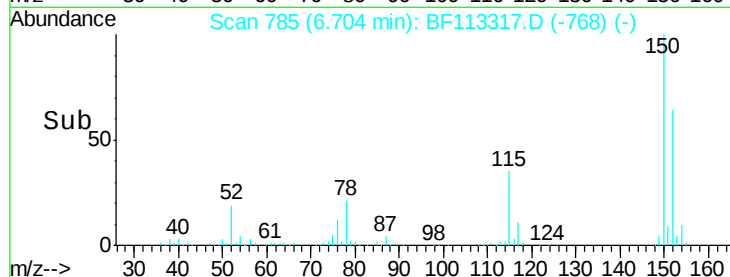
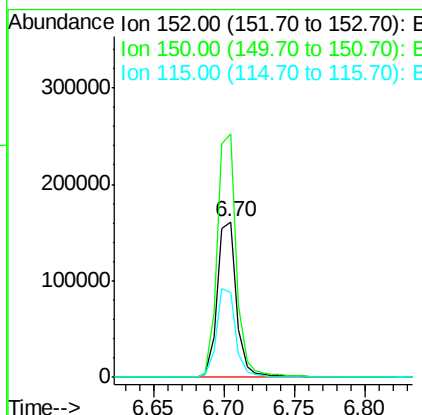
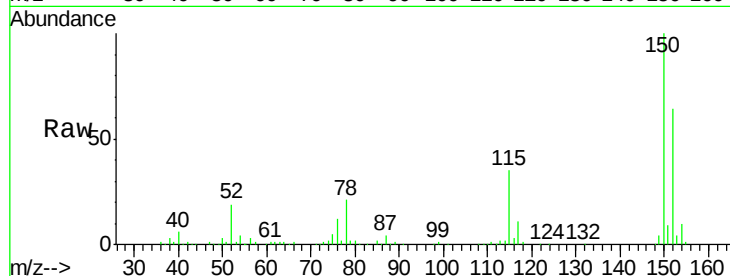
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113317.D
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BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.7	187.1
115	54.9	46.0	69.0

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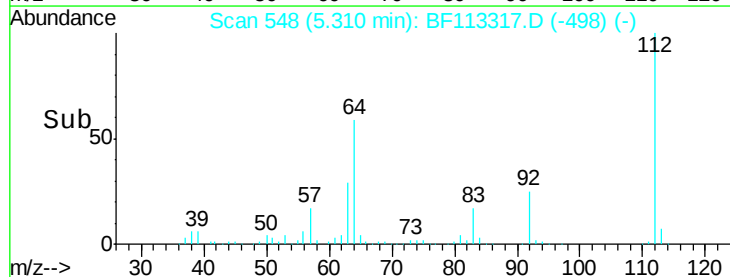
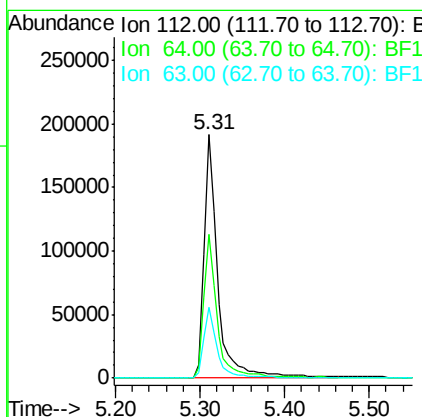
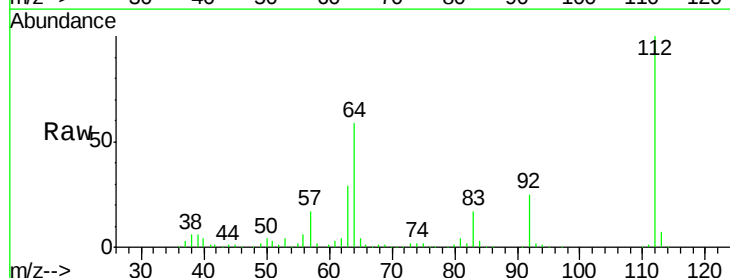
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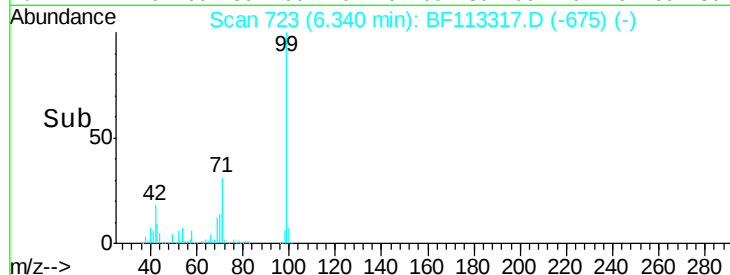
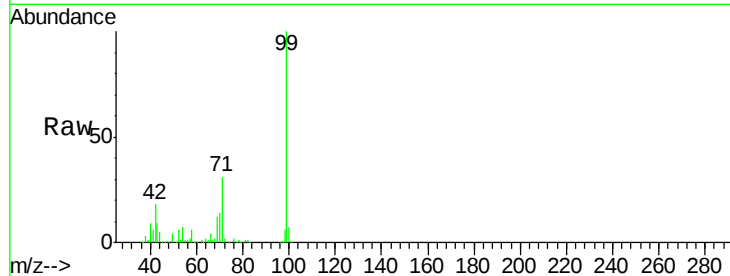


#5

2-Fluorophenol
Concen: 22.932 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	49.2	73.8
63	29.2	24.9	37.3





#7

Phenol-d6

Concen: 26.093 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF113317.D

Acq: 27 Mar 2019 3:45

Tgt Ion:	99	Resp:	312297
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.8	22.2
71	30.8	24.9	37.3

Instrument :

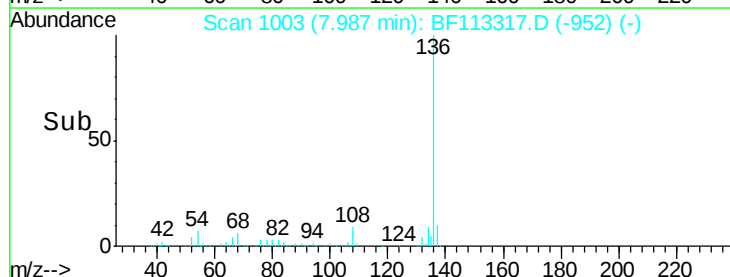
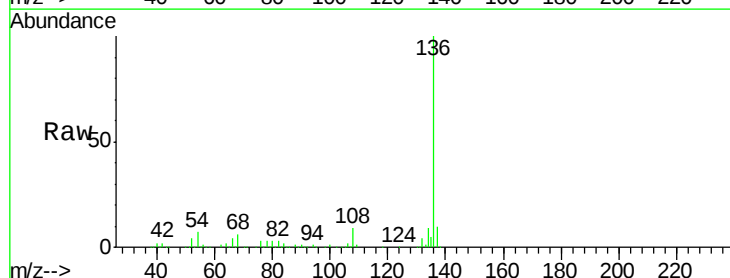
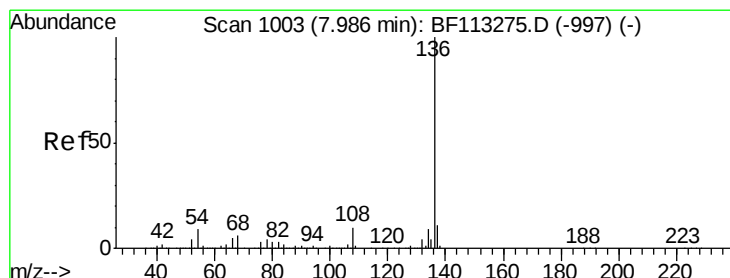
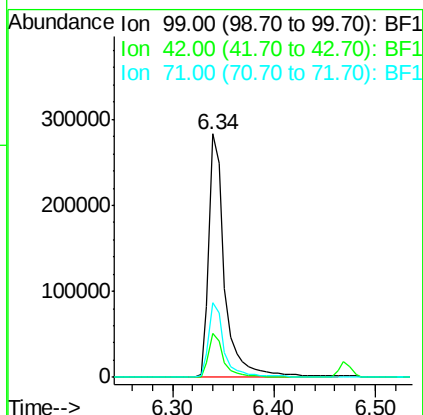
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

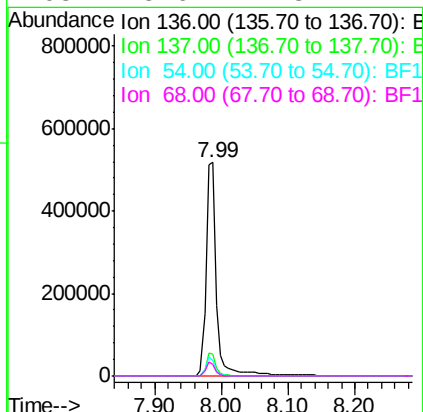
RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113317.D

Acq: 27 Mar 2019 3:45

Tgt Ion:	136	Resp:	564794
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.2	7.0	10.6
68	5.6	4.8	7.2





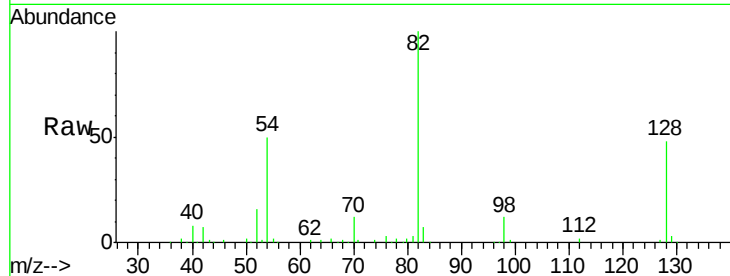
#23
Nitrobenzene-d5
Concen: 17.123 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-B

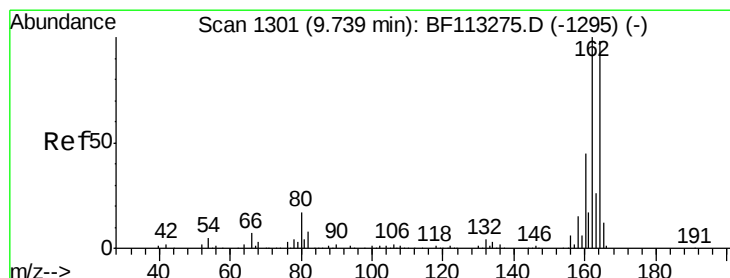
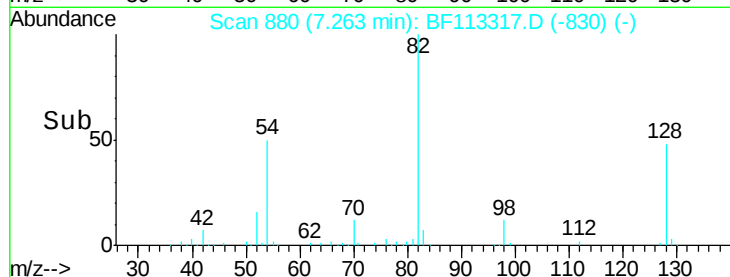
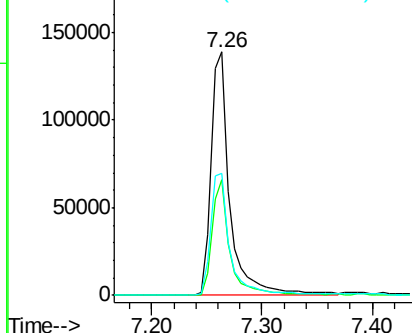
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.5	54.7
54	50.3	42.2	63.2

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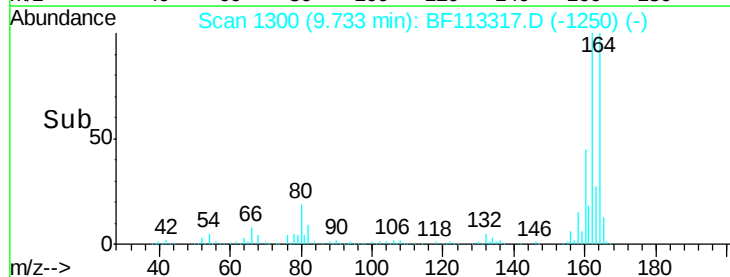
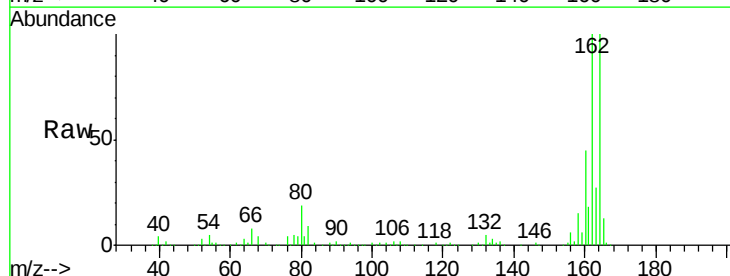
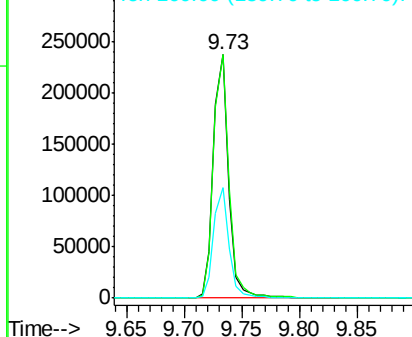
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

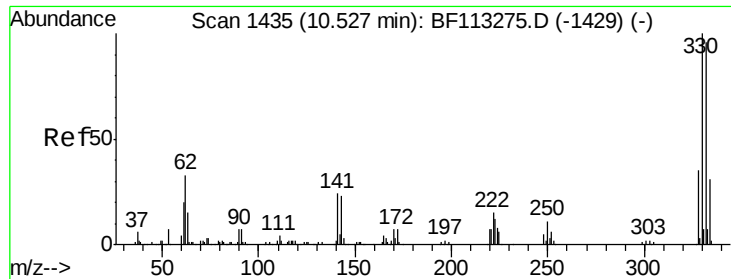


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.8	122.6
160	45.3	36.4	54.6

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: 21.003 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF113317.D

Acq: 27 Mar 2019 3:45

Instrument :

BNA_F

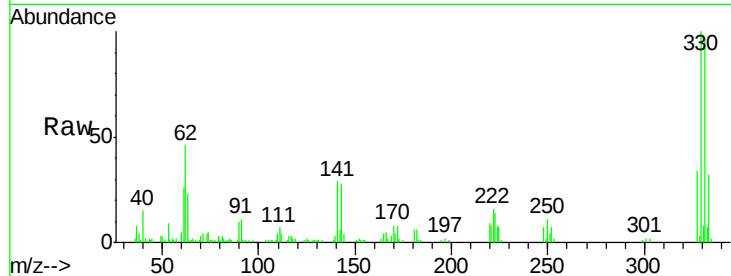
ClientSampled :

OR-01-032519-B

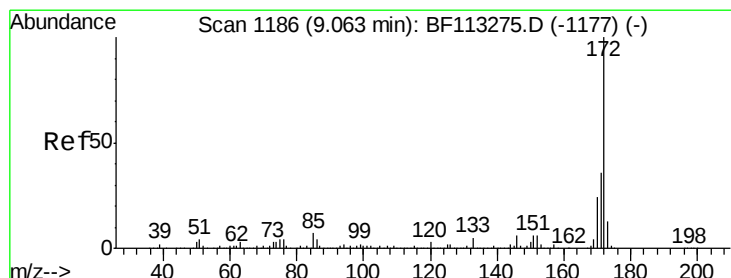
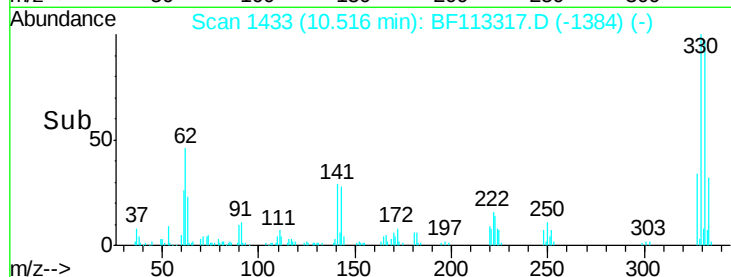
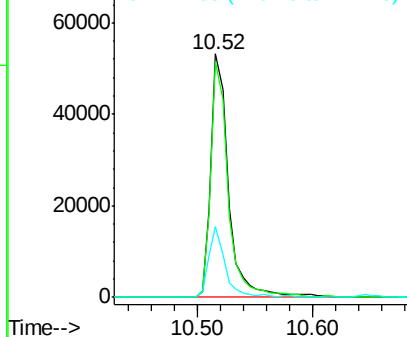
Tgt Ion:	330	Resp:	56747
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.8	116.6
141	26.9	22.7	34.1

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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: 5.266 ng

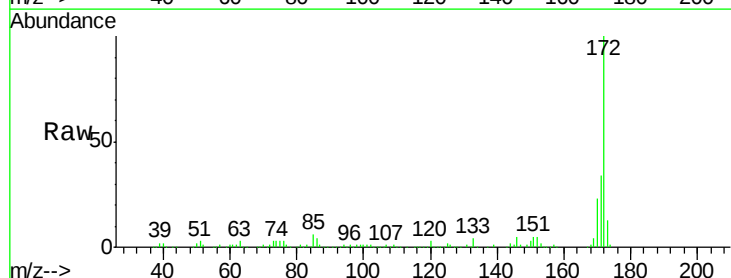
RT: 9.06 min Scan# 1185

Delta R.T. -0.00 min

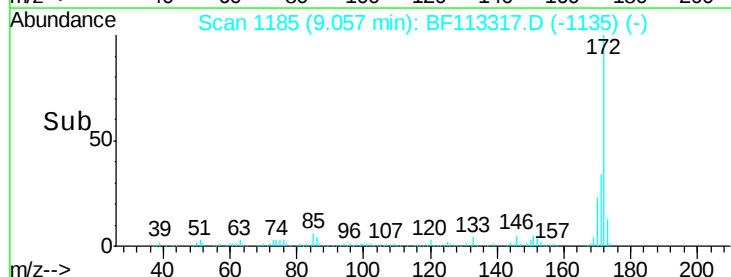
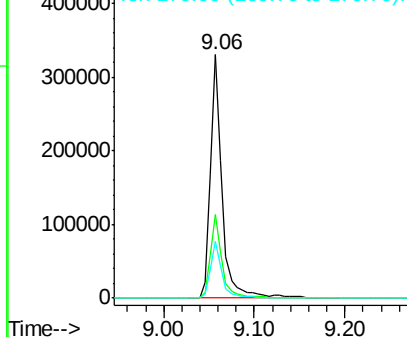
Lab File: BF113317.D

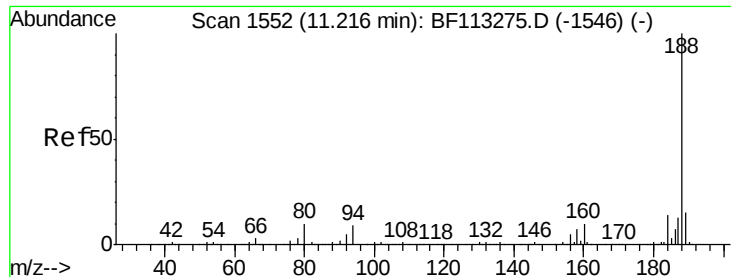
Acq: 27 Mar 2019 3:45

Tgt Ion:	172	Resp:	304381
Ion Ratio	Lower	Upper	
172	100		
171	34.1	29.0	43.6
170	23.1	19.5	29.3



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





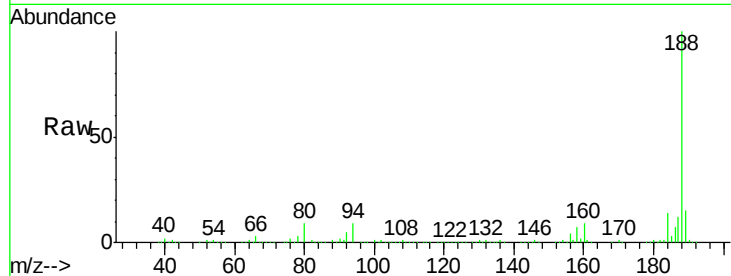
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-B

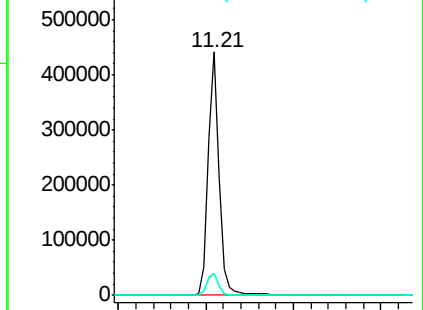
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	7.0	10.6
80	9.1	7.7	11.5

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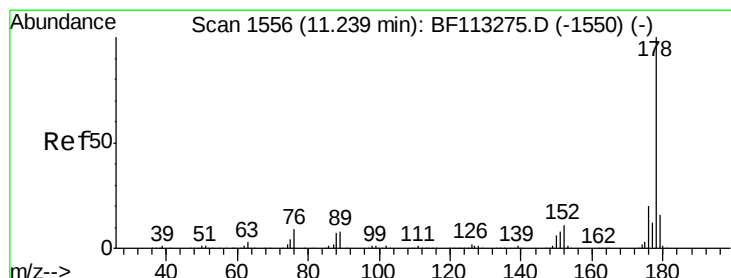
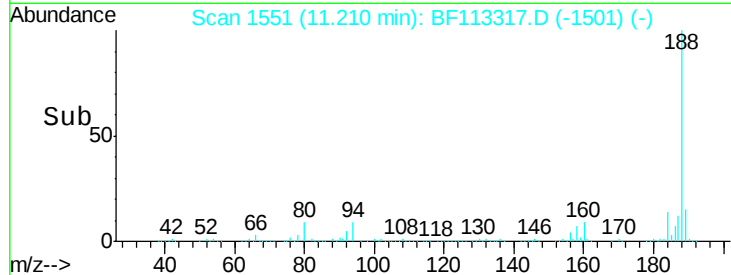
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

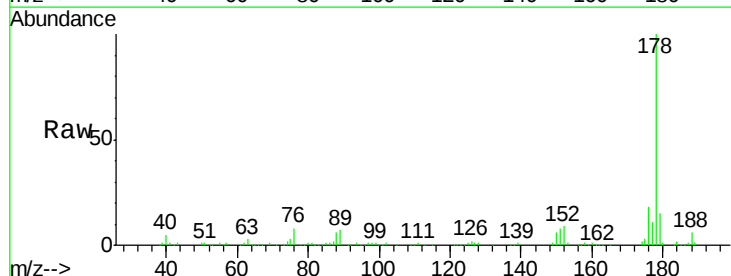


Time--> 11.10 11.20 11.30 11.40

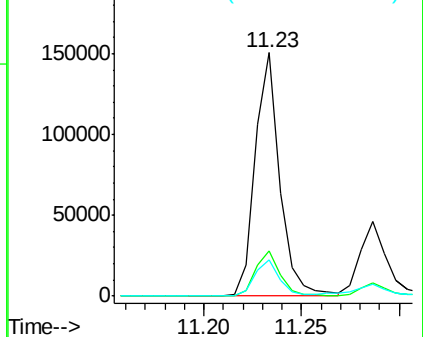


#71
Phenanthrene
Concen: 6.893 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

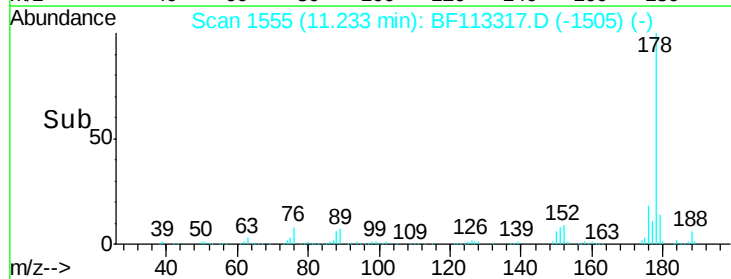
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.4	16.2	24.2
179	14.7	12.7	19.1

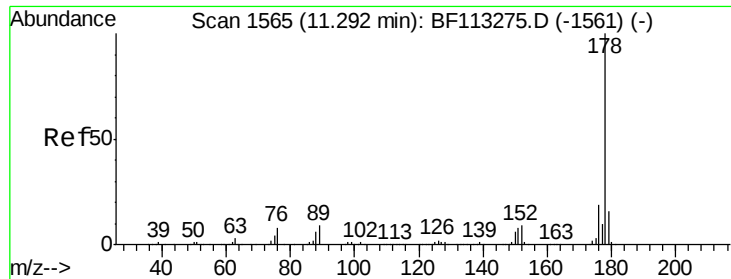


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.20 11.25





#72

Anthracene

Concen: 2.364 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113317.D

Acq: 27 Mar 2019 3:45

Instrument :

BNA_F

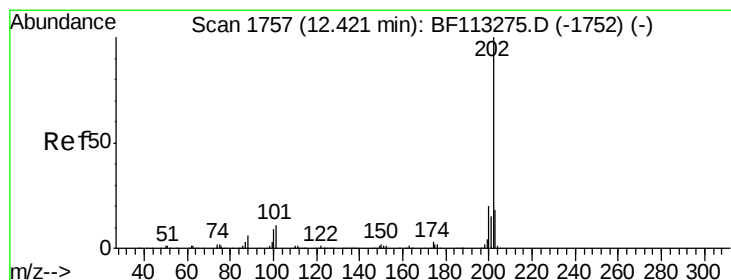
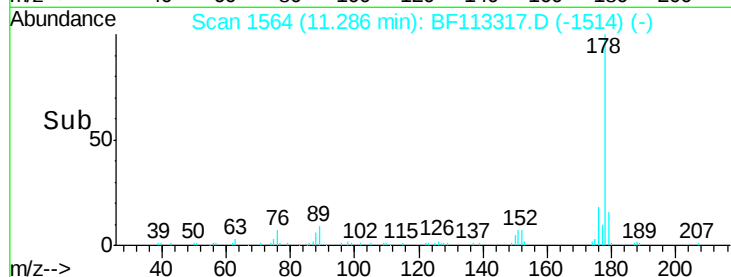
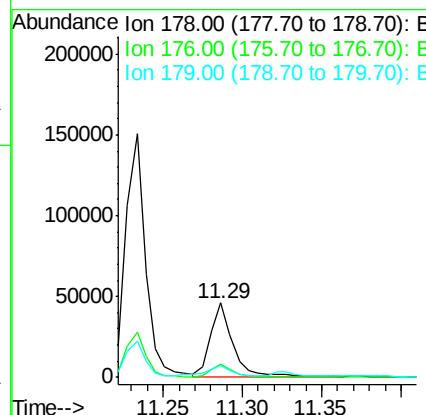
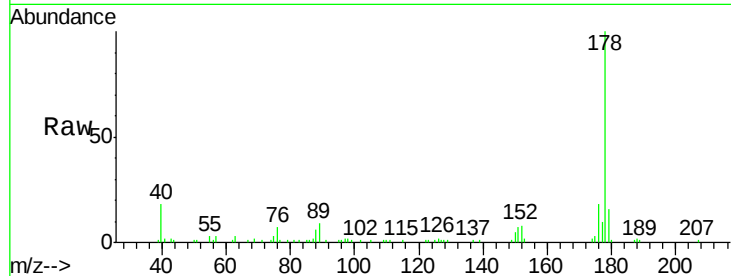
ClientSampled :

OR-01-032519-B

Tgt Ion:	178	Resp:	46080
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	16.2	12.8	19.2

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#75

Fluoranthene

Concen: 13.632 ng

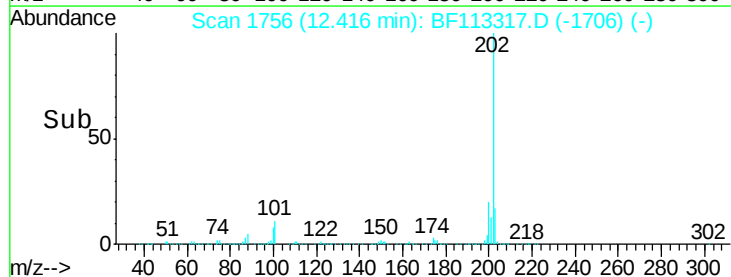
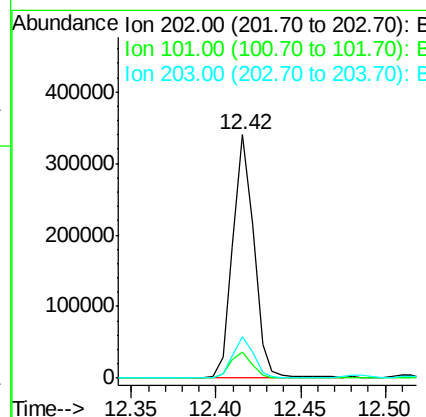
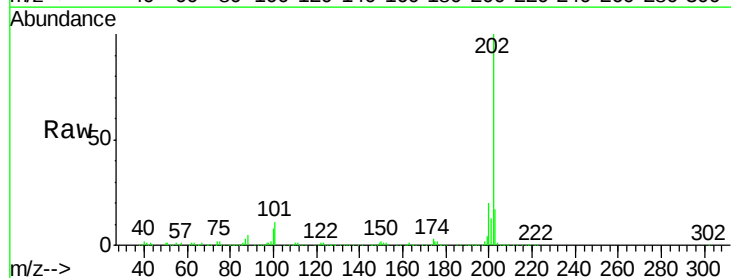
RT: 12.42 min Scan# 1756

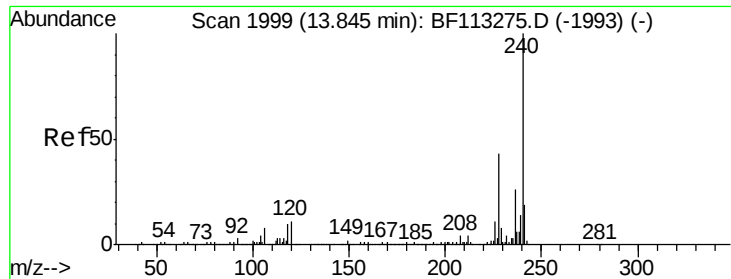
Delta R.T. -0.01 min

Lab File: BF113317.D

Acq: 27 Mar 2019 3:45

Tgt Ion:	202	Resp:	295723
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.4
203	17.1	0.0	38.0





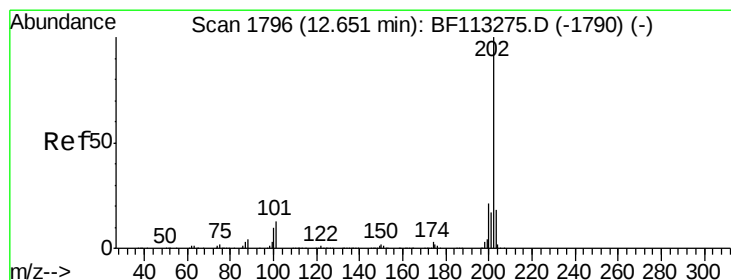
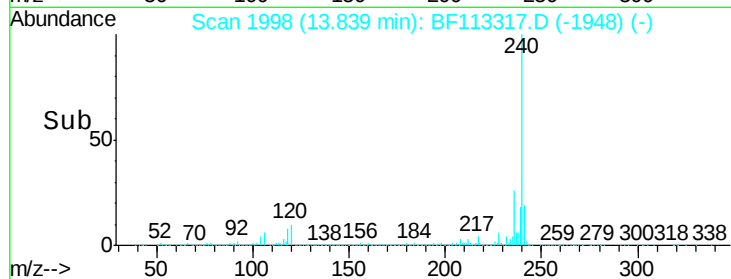
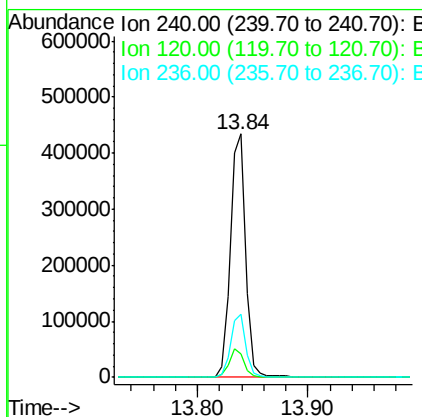
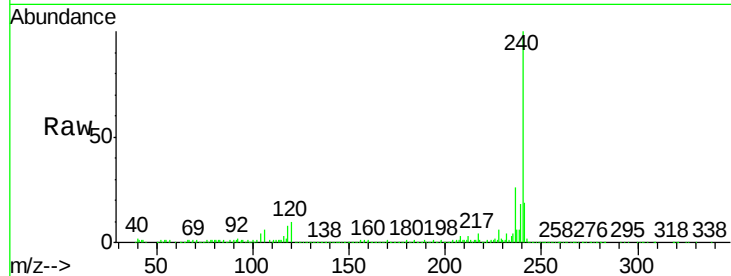
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-B

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	419680		
120	9.7	8.8	13.2	
236	25.7	20.9	31.3	

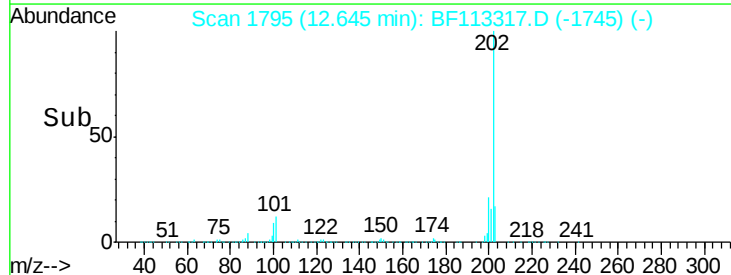
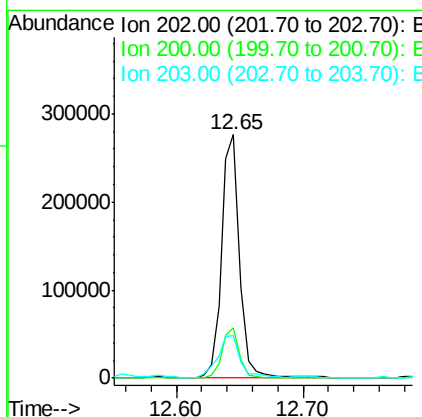
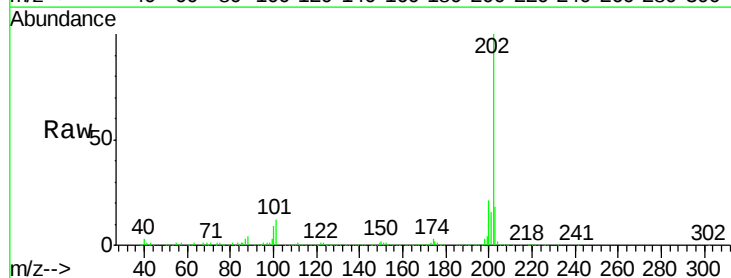
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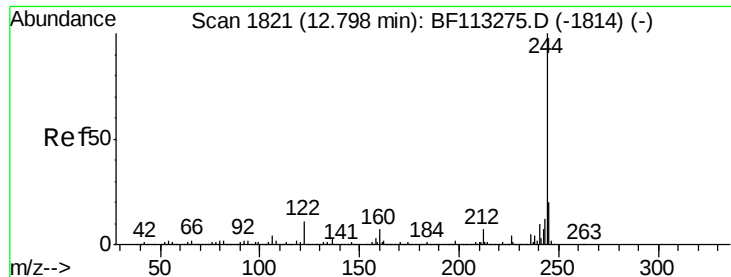
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#78
Pyrene
Concen: 9.263 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	269383		
200	20.6	16.8	25.2	
203	17.6	14.4	21.6	





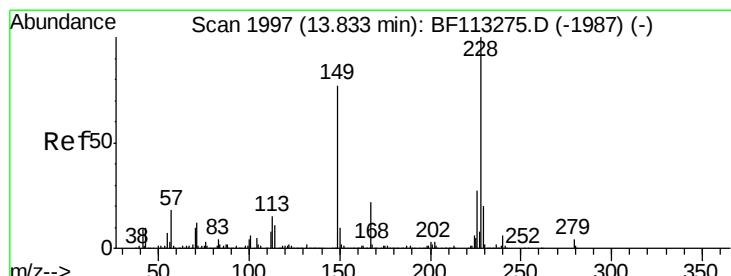
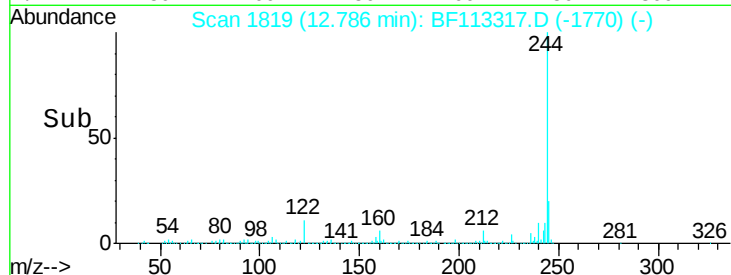
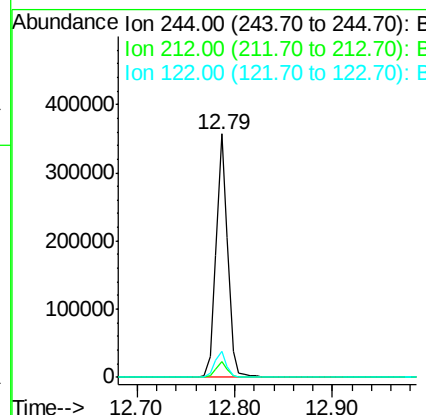
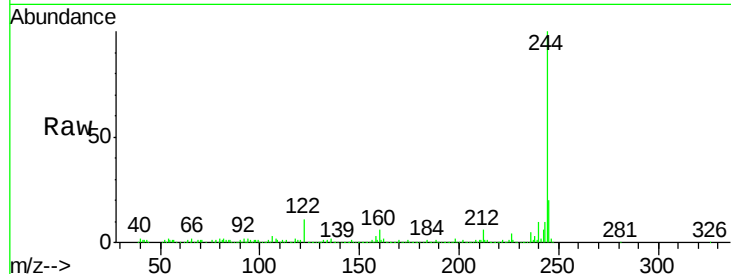
#79
 Terphenyl-d14
 Concen: 15.506 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113317.D
 Acq: 27 Mar 2019 3:45

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032519-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	5.5	8.3
122	10.9	8.6	13.0

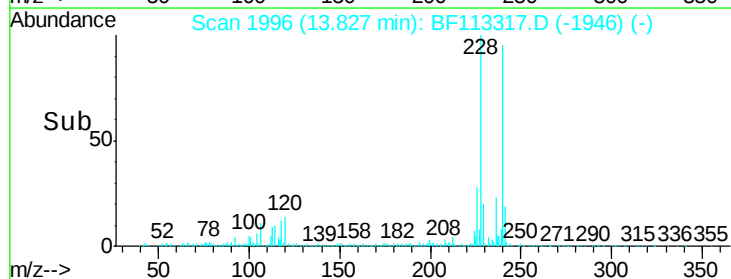
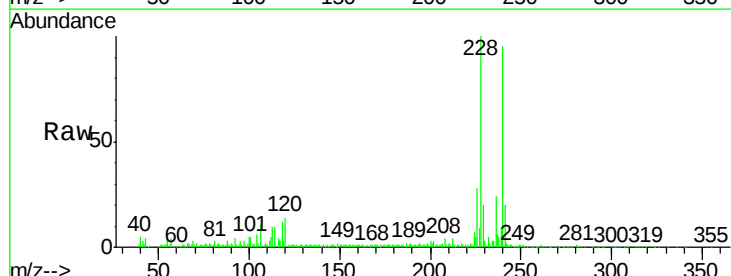
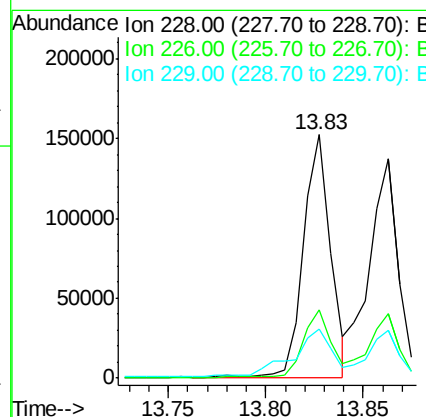
Manual Integrations
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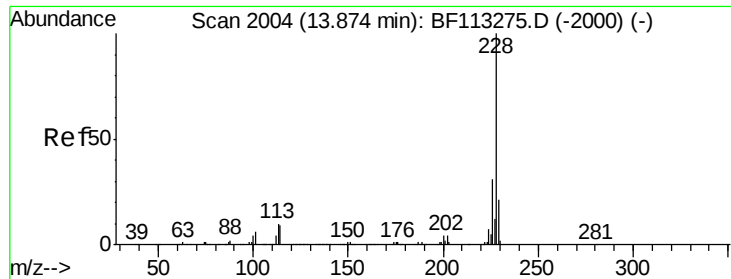
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#81
 Benzo(a)anthracene
 Concen: 6.068 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113317.D
 Acq: 27 Mar 2019 3:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.3	21.8	32.8
229	20.4	16.2	24.4





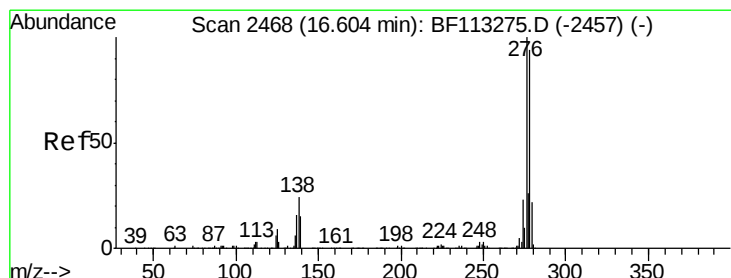
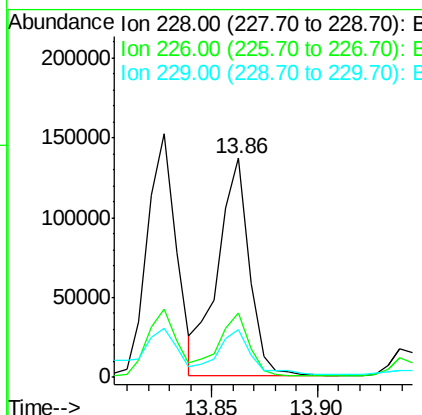
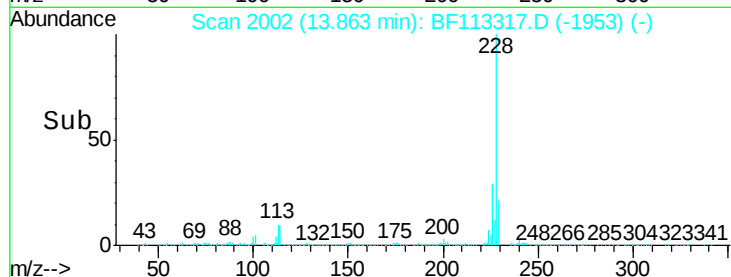
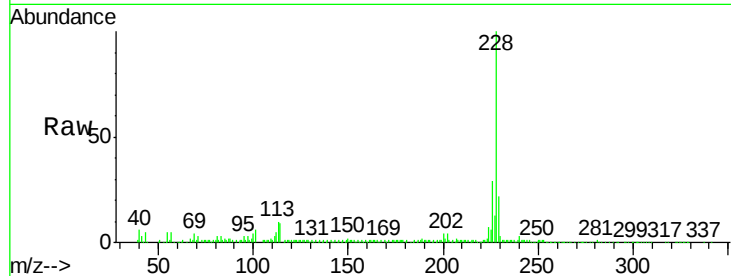
#83
Chrysene
Concen: 5.807 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	22.1	16.3	24.5

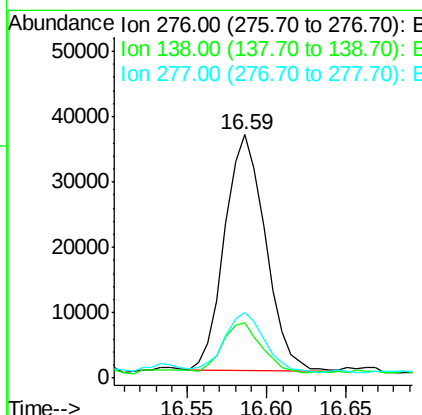
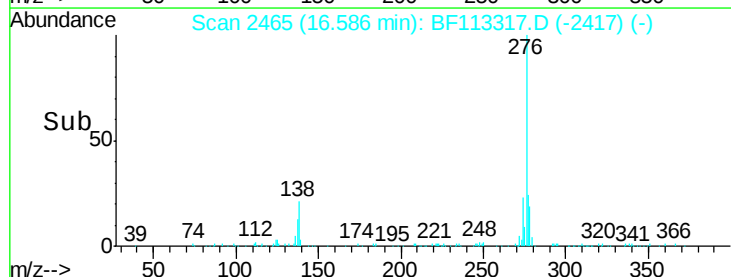
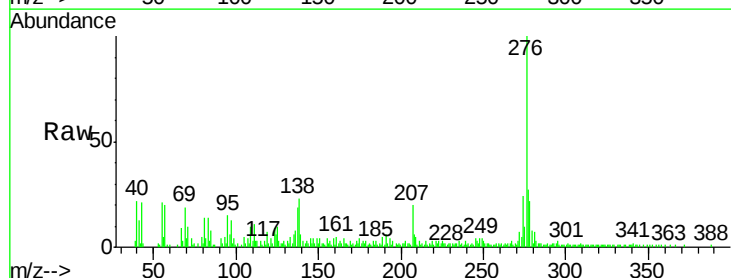
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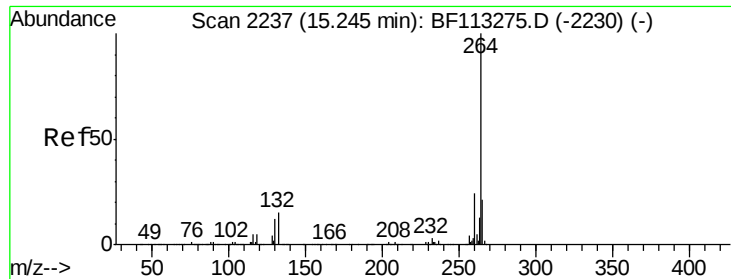
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.089 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.1	27.1
277	25.2	20.2	30.4





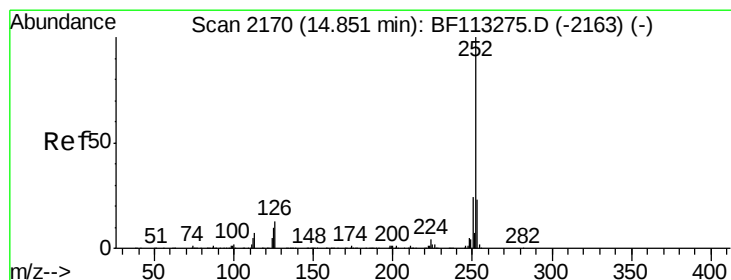
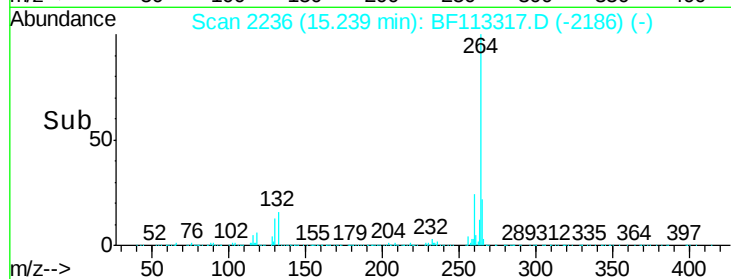
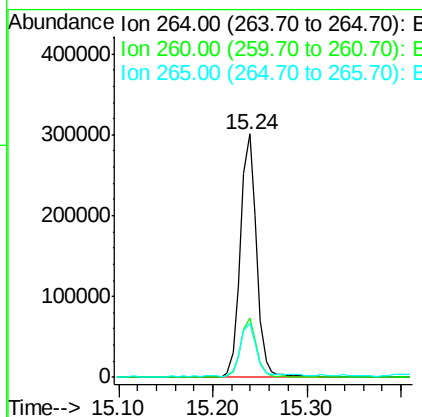
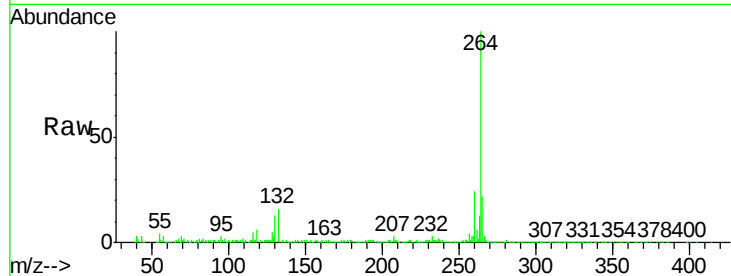
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Instrument :
BNA_F
ClientSampleId :
OR-01-032519-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	22.0	17.1	25.7

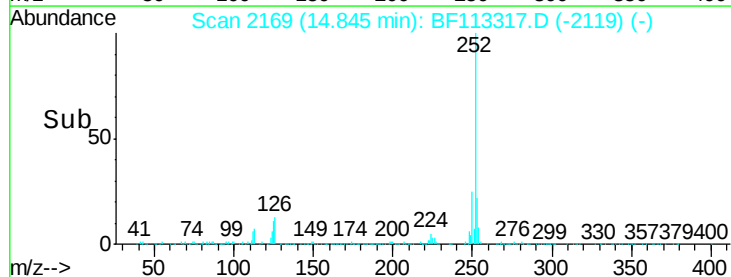
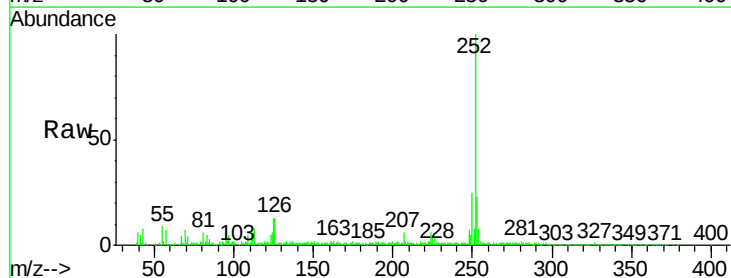
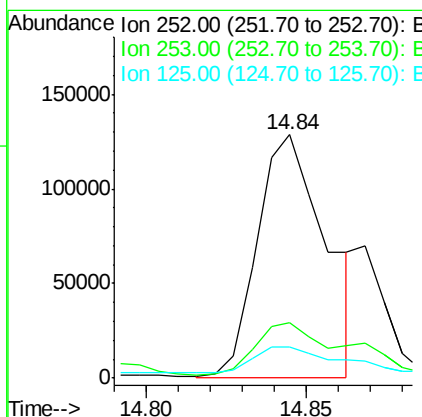
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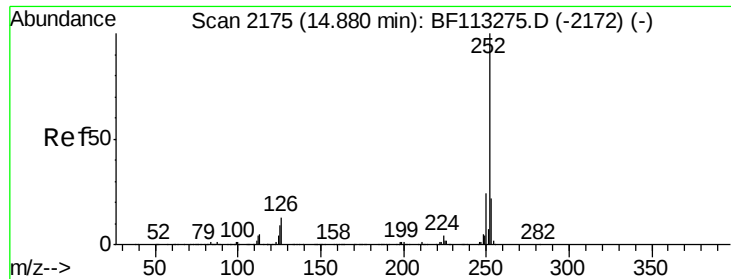
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#88
Benzo(b)fluoranthene
Concen: 8.738 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.0	7.6	11.4





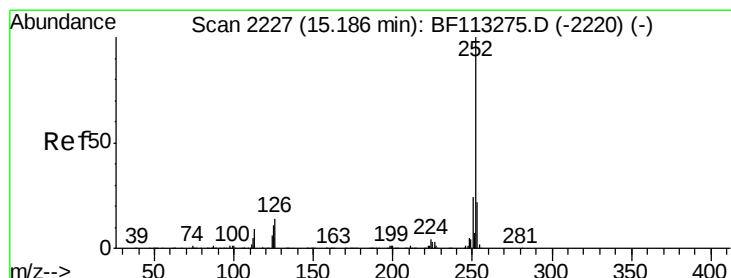
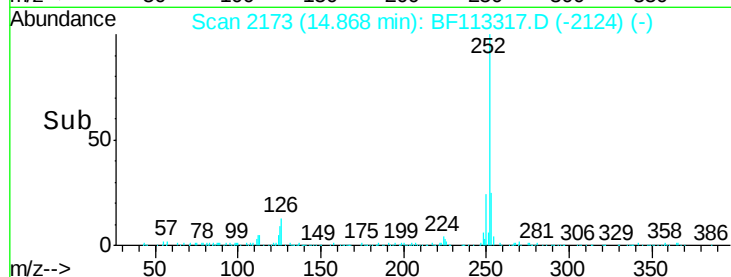
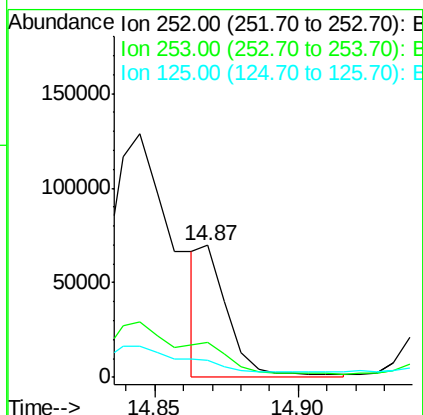
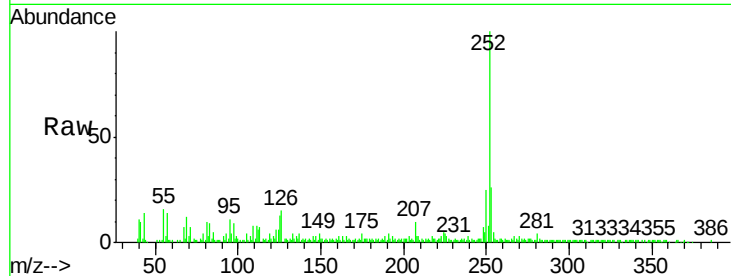
#89
Benzo(k)fluoranthene
Concen: 2.498 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Instrument :
BNA_F
ClientSampled :
OR-01-032519-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.7	26.5
125	12.9	7.3	10.9#

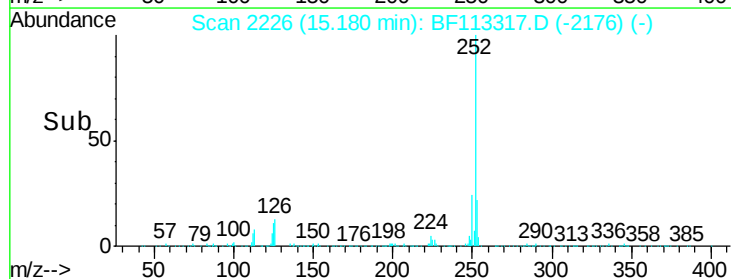
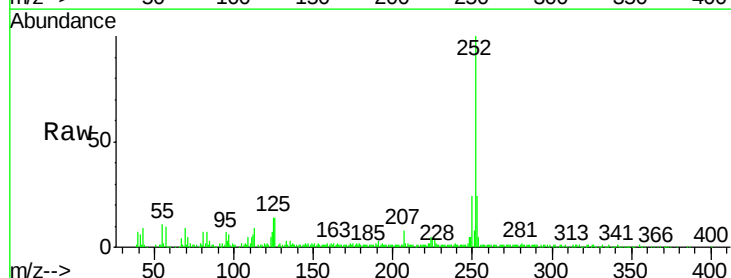
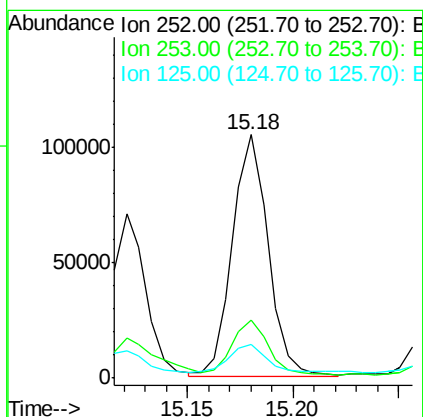
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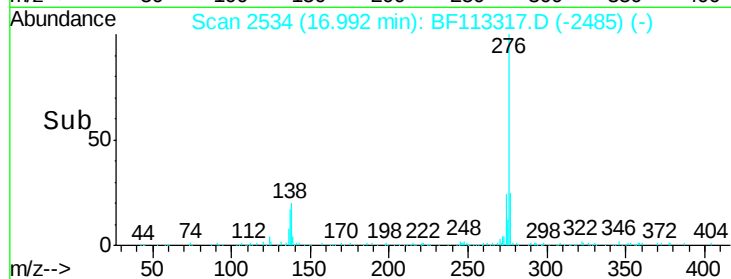
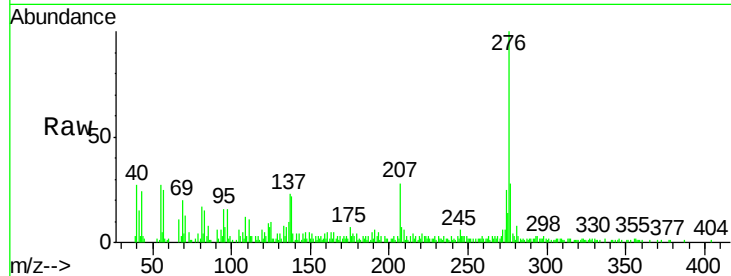
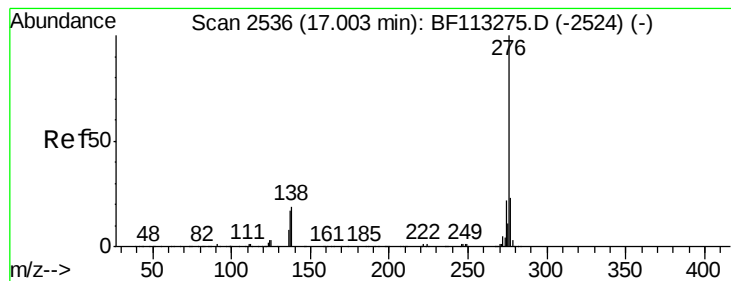
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#90
Benzo(a)pyrene
Concen: 6.234 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113317.D
Acq: 27 Mar 2019 3:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	13.9	8.8	13.2#





#92

Benzo(g,h,i)perylene

Concen: 3.658 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF113317.D

Acq: 27 Mar 2019 3:45

Tgt Ion:	276	Resp:	62497
Ion Ratio	Lower	Upper	
276	100		
277	27.9	18.8	28.2
138	22.3	15.6	23.4

Instrument :

BNA_F

ClientSampleId :

OR-01-032519-B

Manual Integrations
APPROVED

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