

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
 Data File : BF115263.D
 Acq On : 28 Jun 2019 4:28
 Operator : HP/JU
 Sample : K3157-11 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062619-A

Manual Integrations
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 6/28/2019 2:59:12 PM

Quant Time: Jun 28 08:00:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	230971	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	882154	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	435361	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	866958	20.00	ng	0.00
76) Chrysene-d12	13.72	240	600246	20.00	ng	0.00
87) Perylene-d12	15.08	264	440816	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	723602	48.35	ng	0.00
7) Phenol-d6	6.24	99	912203	50.21	ng	0.00
23) Nitrobenzene-d5	7.16	82	507325	35.38	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	248936	54.22	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	994324	38.79	ng	0.00
79) Terphenyl-d14	12.68	244	1098372	38.91	ng	0.00
Target Compounds						
49) Acenaphthylene	9.48	152	115253	2.618	ng	98
50) Dimethylphthalate	9.35	163	314221	9.810	ng	98
71) Phenanthrene	11.12	178	366258	7.846	ng	97
72) Anthracene	11.17	178	161255	3.422	ng	98
75) Fluoranthene	12.30	202	561625	12.059	ng	98
78) Pyrene	12.53	202	650269	14.097	ng	98
81) Benzo(a)anthracene	13.71	228	289042m	6.711	ng	
83) Chrysene	13.74	228	278970	7.071	ng	95
88) Benzo(b)fluoranthene	14.71	252	228202m	8.297	ng	
89) Benzo(k)fluoranthene	14.73	252	80100m	3.247	ng	
90) Benzo(a)pyrene	15.03	252	176223	7.108	ng	96
92) Benzo(a,h,i)perylene	16.72	276	97227	4.151	ng	96

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

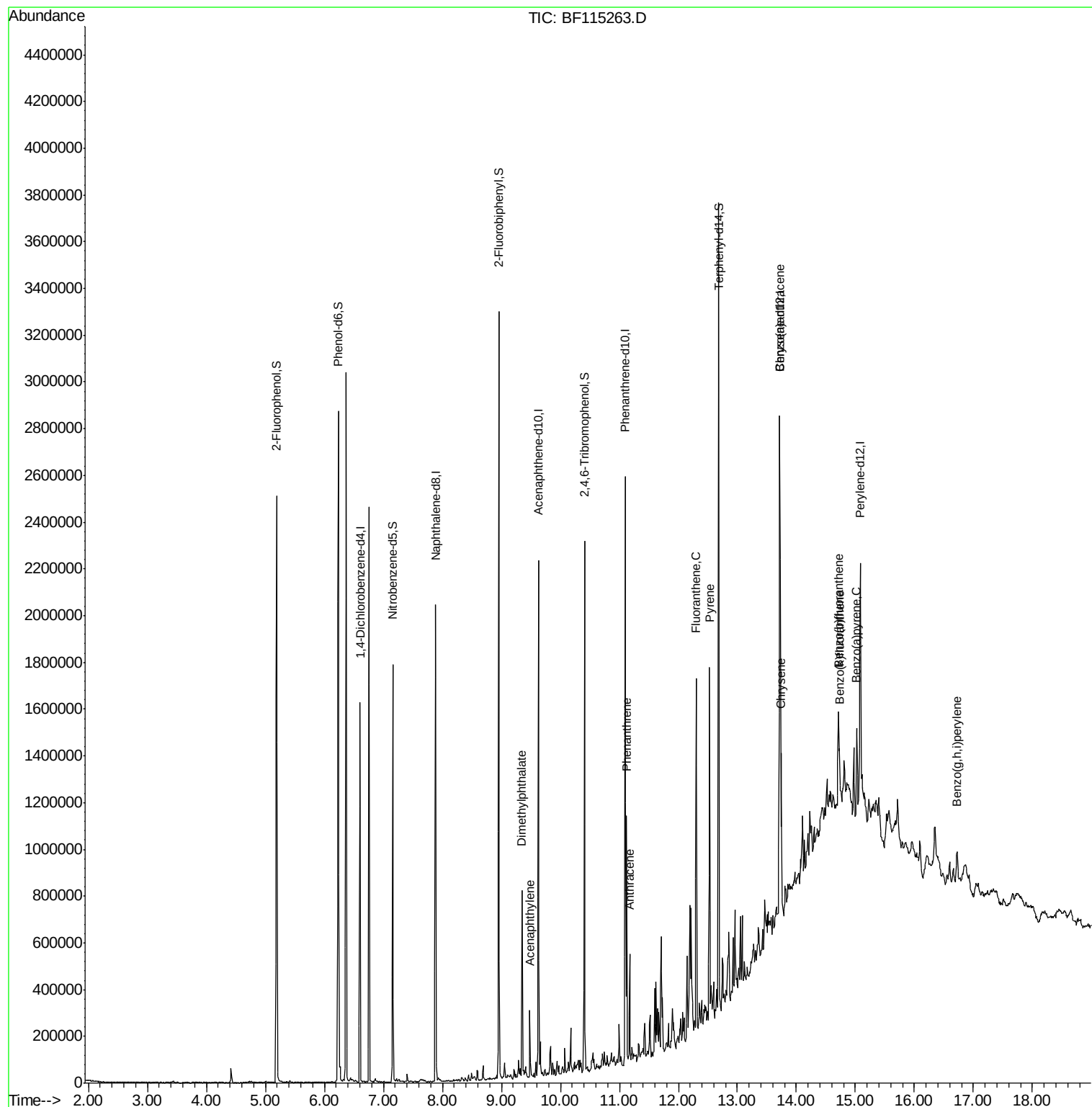
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115263.D
Acq On : 28 Jun 2019 4:28
Operator : HP/JU
Sample : K3157-11 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

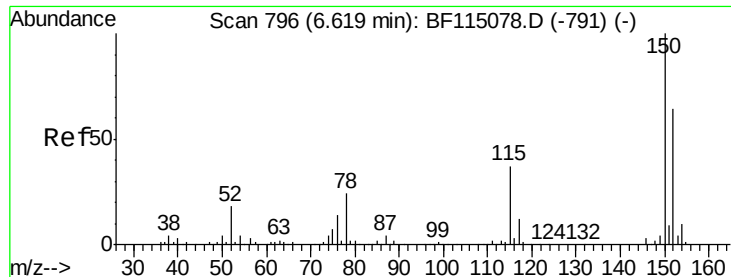
Instrument :
BNA_F
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CL-02-062619-A

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#1

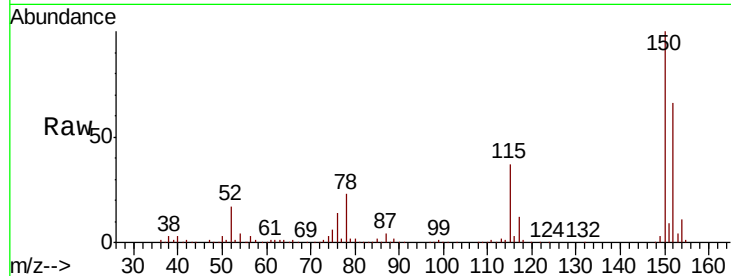
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.2	186.2
115	56.8	46.1	69.1

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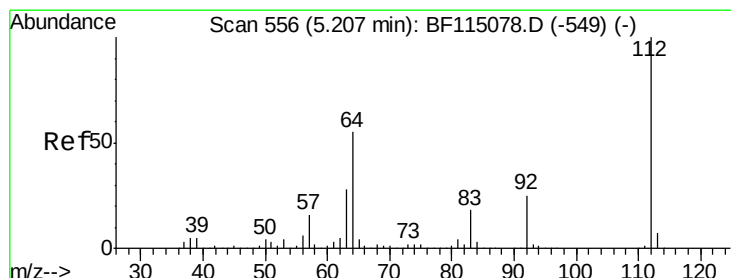
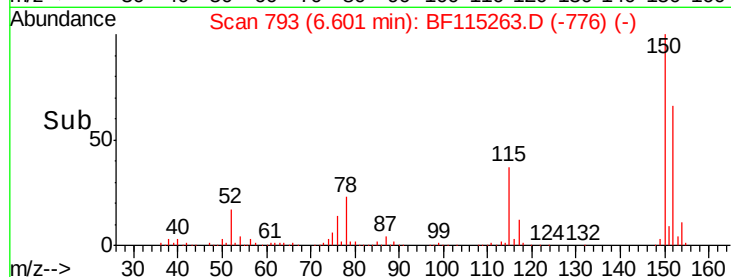
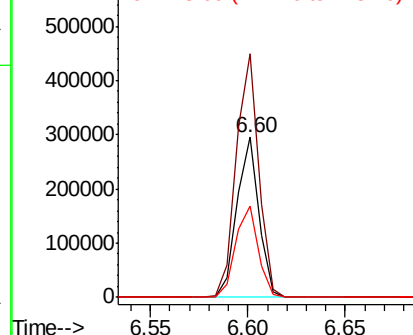


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

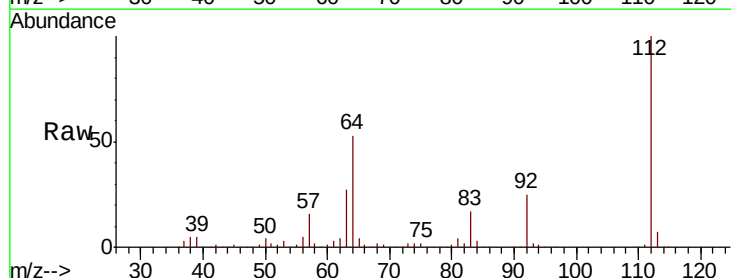
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.345 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.8	65.6
63	26.8	22.2	33.4

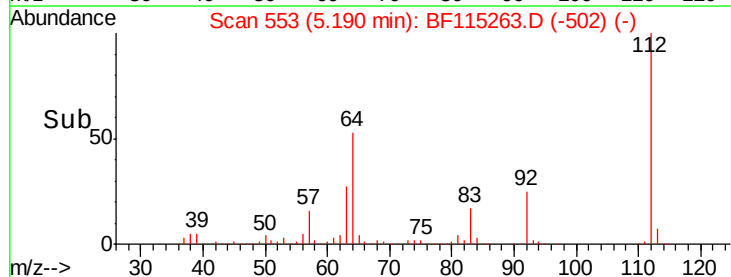
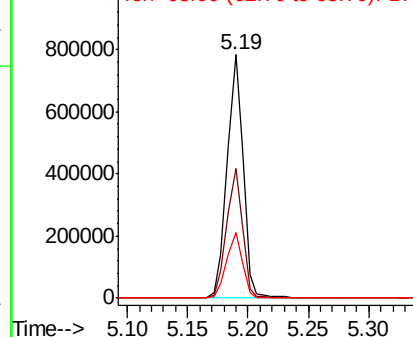


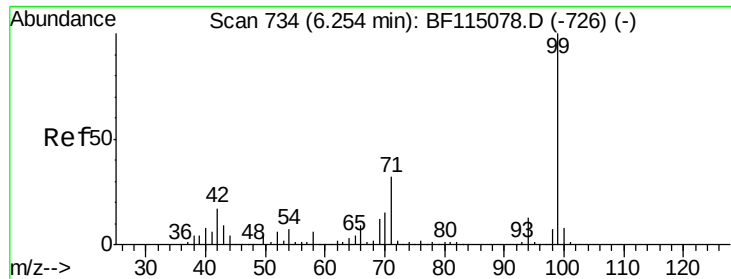
Abundance

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: 50.213 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Instrument :

BNA_F

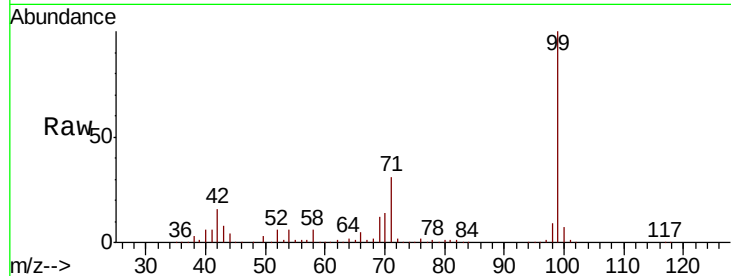
ClientSampleId :

CL-02-062619-A

Tot Ion	Ratio	Resp	Lower	Upper
99	100	912203		
42	15.9		13.6	20.4
71	31.5		25.5	38.3

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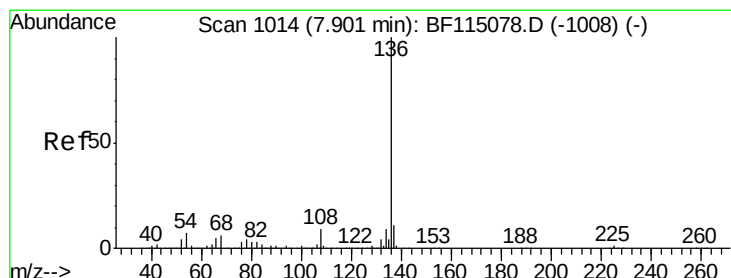
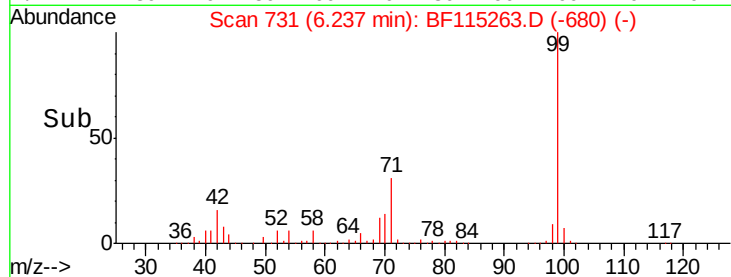
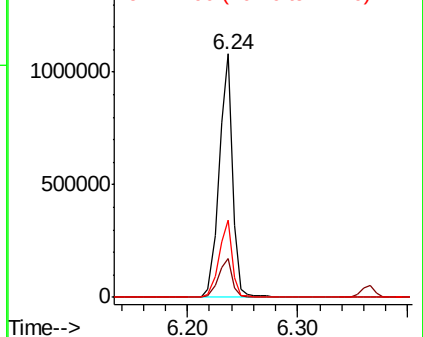


Abundance

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: 7.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	882154		
137	11.0		8.9	13.3
54	6.2		5.6	8.4
68	5.5		4.8	7.2

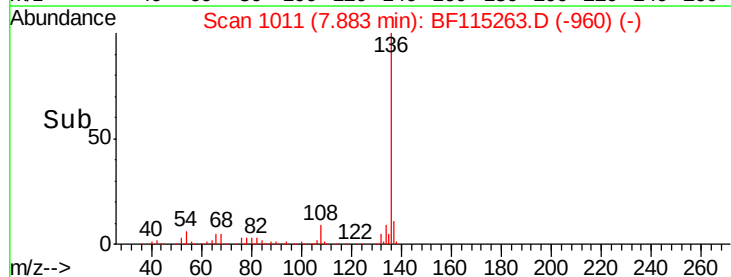
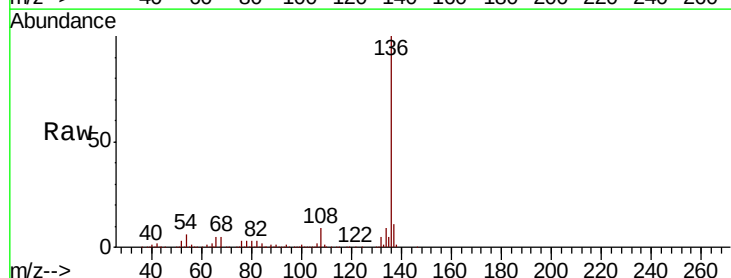
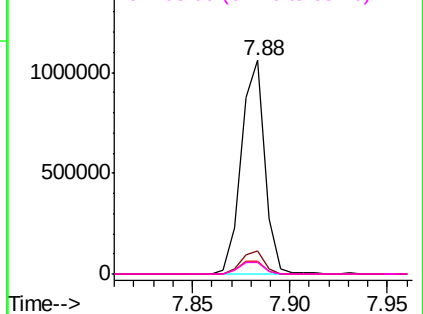
Abundance

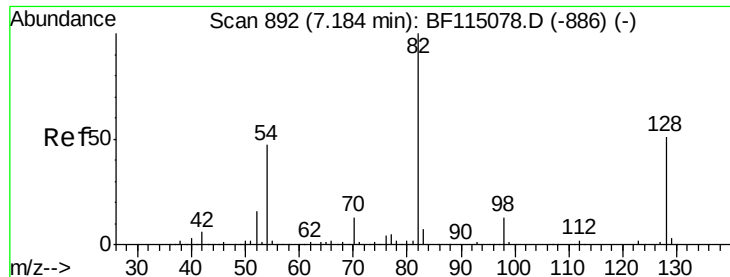
Ion 136.00 (135.70 to 136.70): E

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





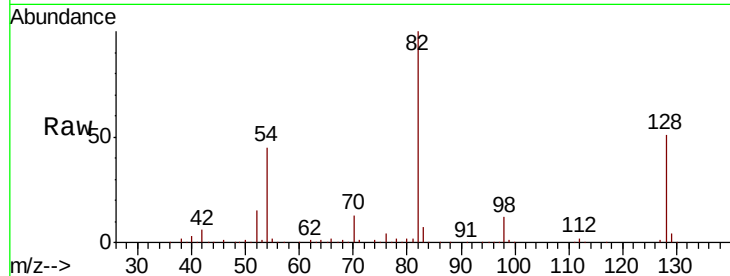
#23
 Nitrobenzene-d5
 Concen: 35.377 ng
 RT: 7.16 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF115263.D
 Acq: 28 Jun 2019 4:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062619-A

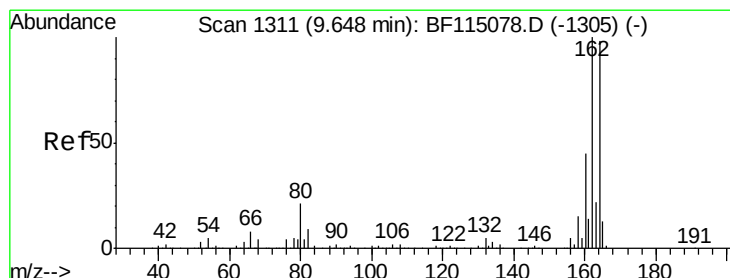
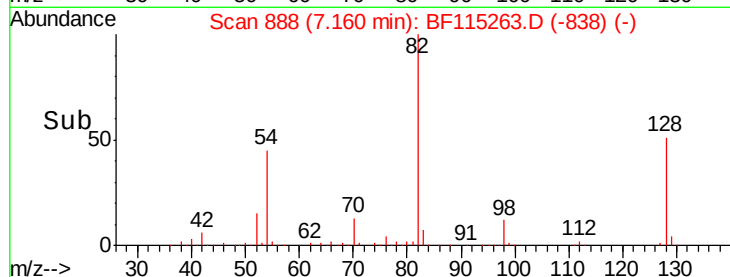
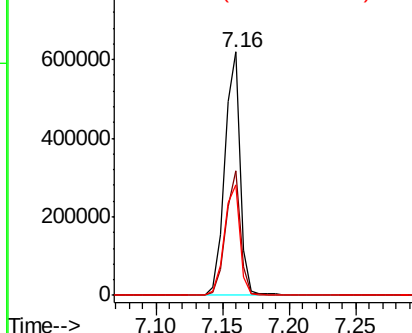
Tot Ion	Ratio	Resp	Lower	Upper
82	100	507325		
128	51.3		40.4	60.6
54	45.3		37.5	56.3

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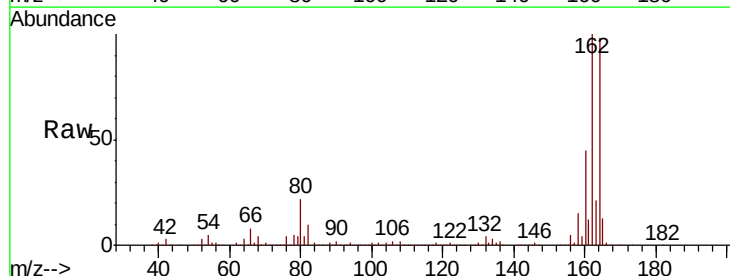


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

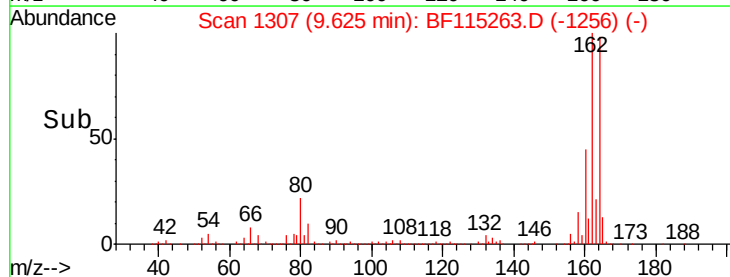
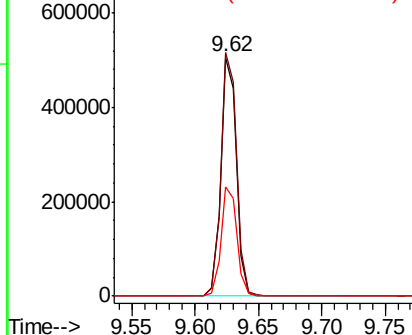


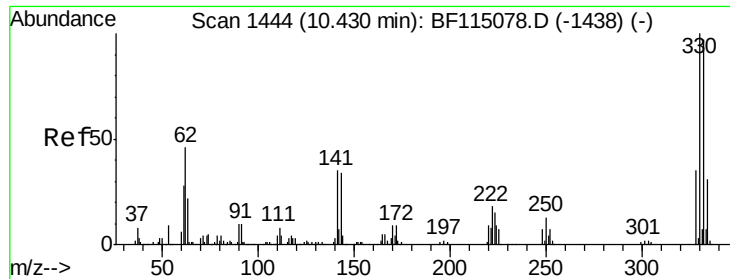
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.62 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: BF115263.D
 Acq: 28 Jun 2019 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	435361		
162	101.9		81.7	122.5
160	45.7		37.0	55.4



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





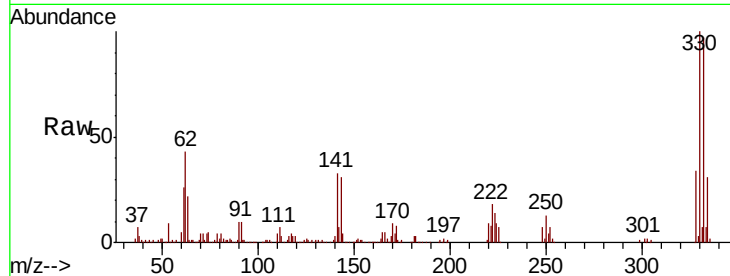
#42
 2,4,6-Tribromophenol
 Concen: 54.222 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115263.D
 Acq: 28 Jun 2019 4:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062619-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	248936		
332	96.8	77.3	115.9	
141	33.1	28.2	42.2	

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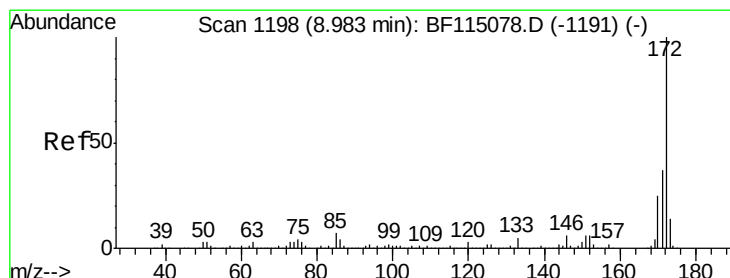
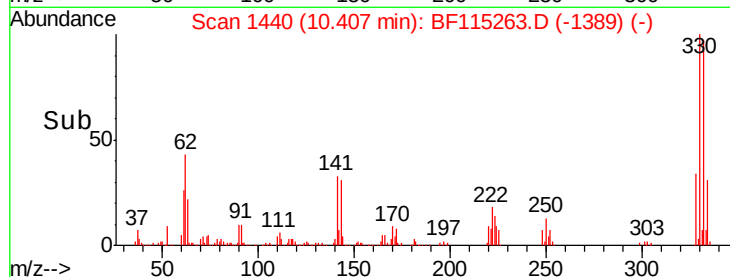
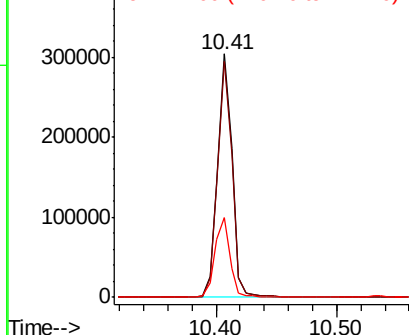


Abundance

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: 38.795 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115263.D
 Acq: 28 Jun 2019 4:28

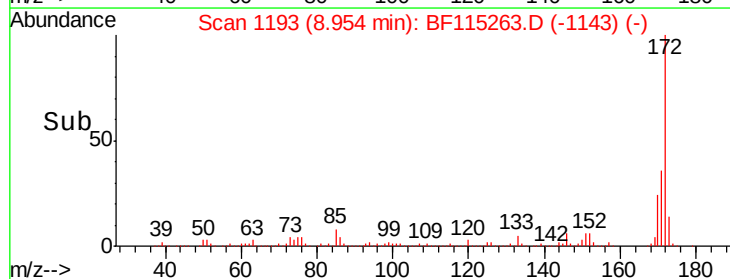
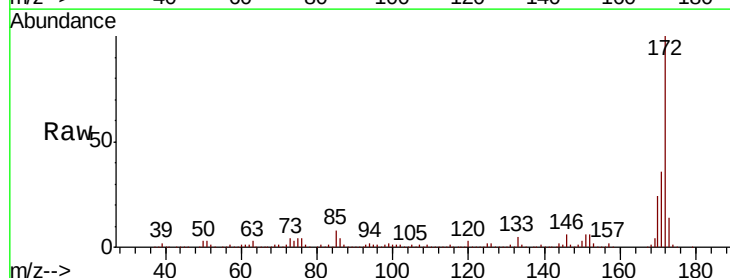
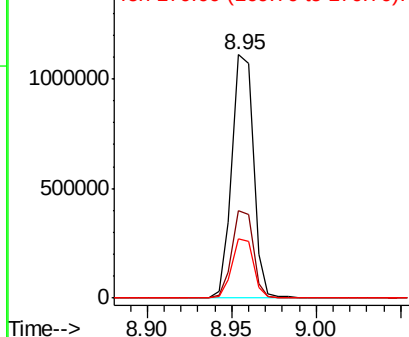
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	994324		
171	35.7	29.8	44.6	
170	24.5	20.3	30.5	

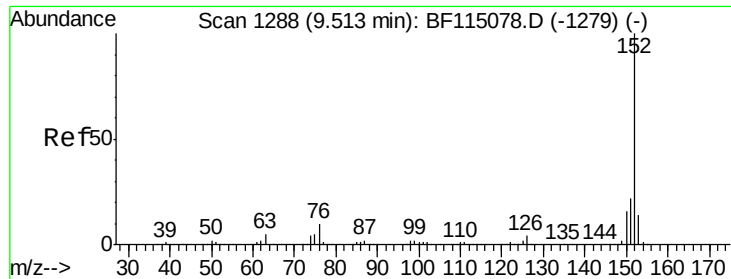
Abundance

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





#49

Acenaphthylene

Concen: 2.618 ng

RT: 9.48 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Instrument :

BNA_F

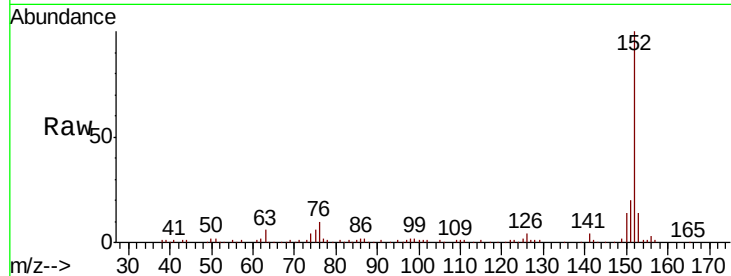
ClientSampleId :

CL-02-062619-A

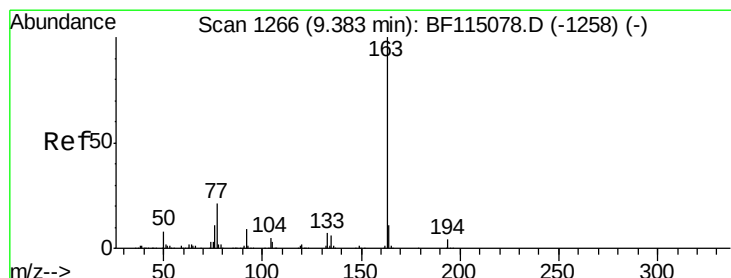
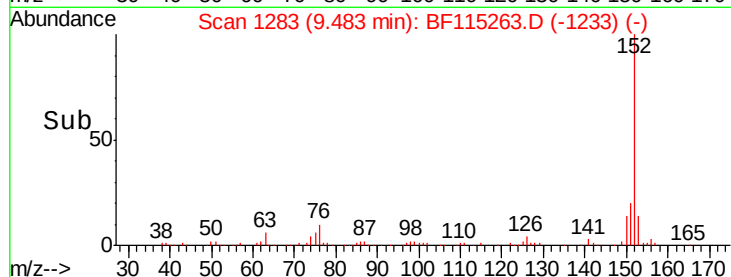
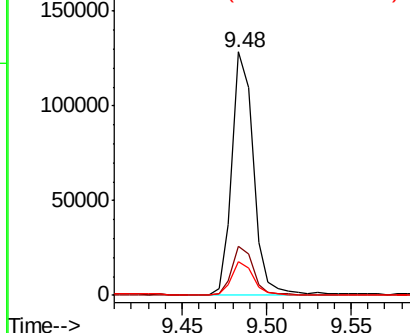
Tot Ion:	152	Resp:	115253
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.2	25.8
153	14.1	11.0	16.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.810 ng

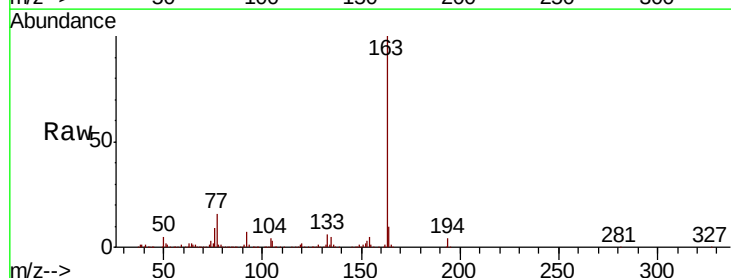
RT: 9.35 min Scan# 1261

Delta R.T. -0.01 min

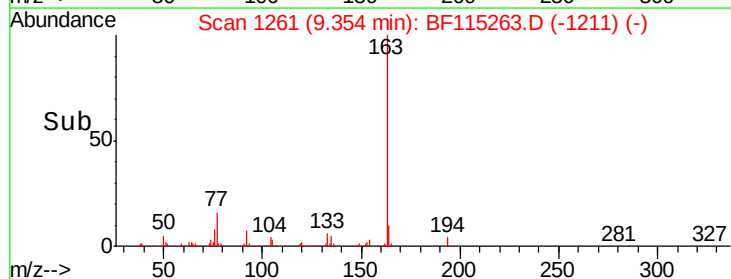
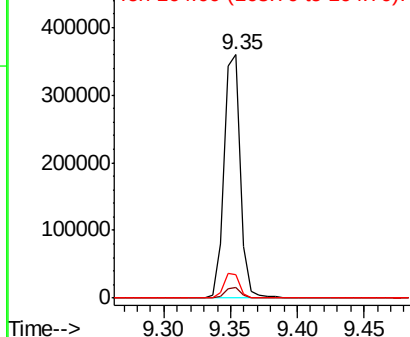
Lab File: BF115263.D

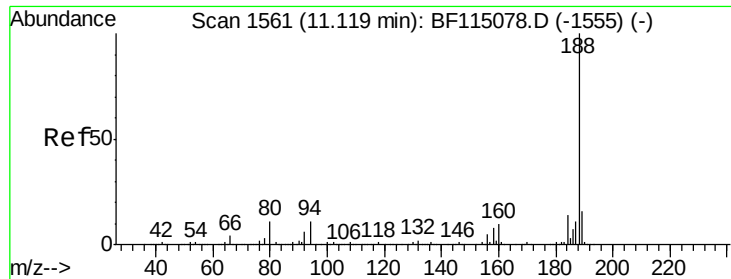
Acq: 28 Jun 2019 4:28

Tgt Ion:	163	Resp:	314221
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.2	4.8
164	9.7	8.6	13.0



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: 11.10 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Instrument :

BNA_F

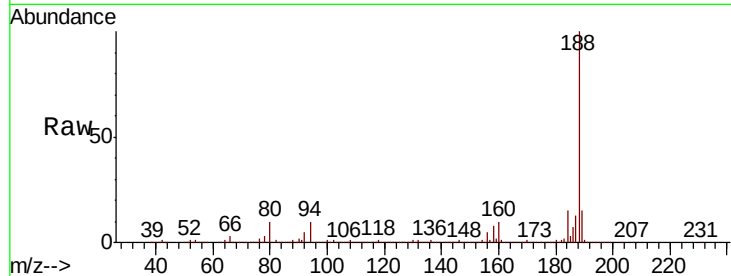
ClientSampleId :

CL-02-062619-A

Tot Ion:	188	Resp:	866958
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.6	12.8
80	10.0	8.8	13.2

Manual Integrations
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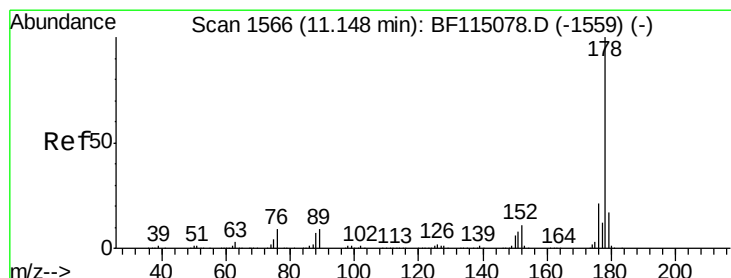
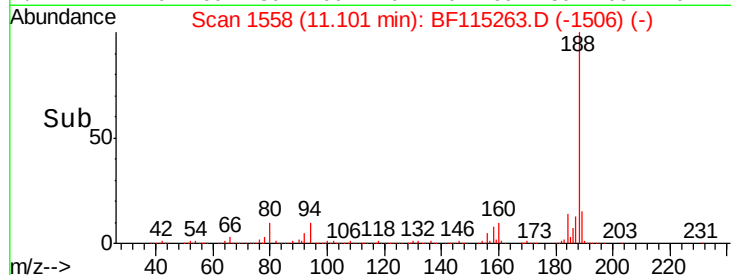
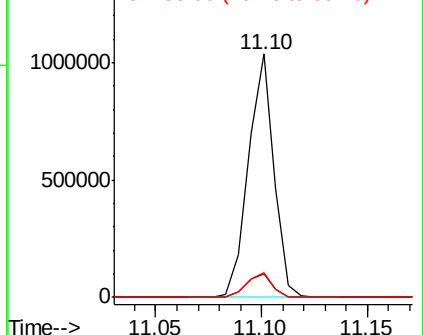
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 7.846 ng

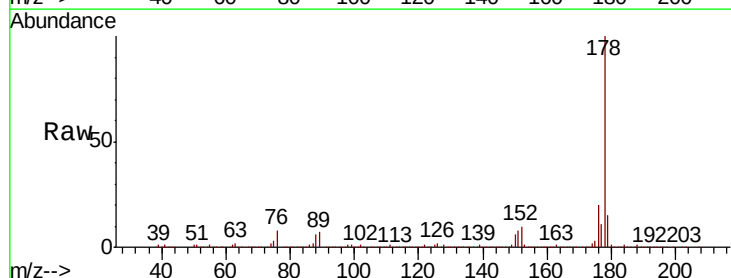
RT: 11.12 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

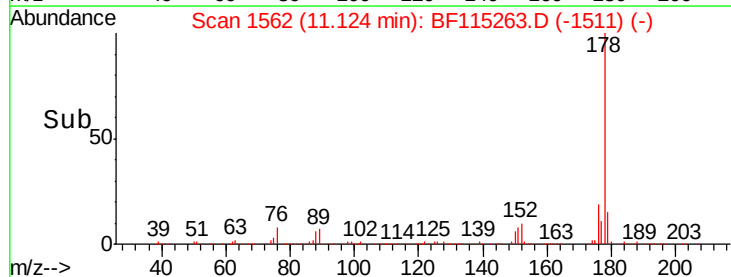
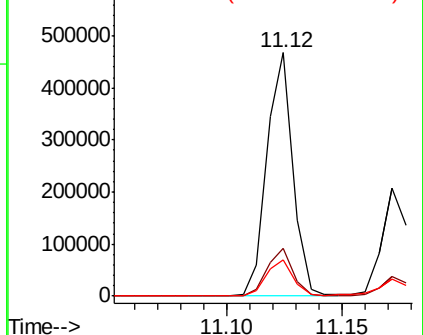
Tgt Ion:	178	Resp:	366258
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.9	25.3
179	15.1	13.2	19.8

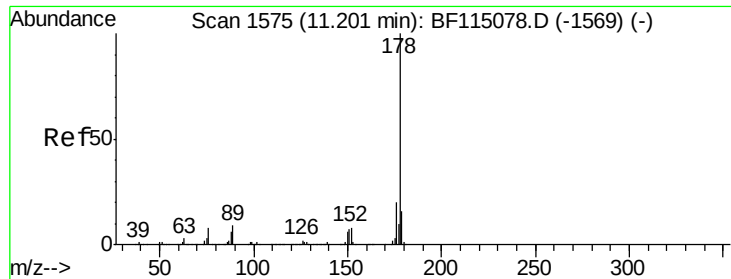


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.422 ng

RT: 11.17 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Instrument :

BNA_F

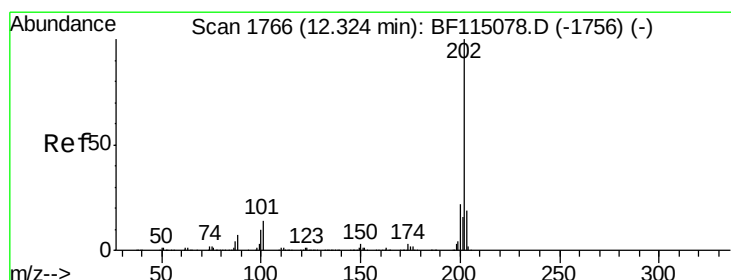
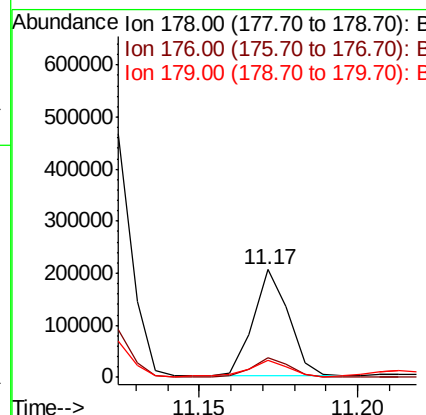
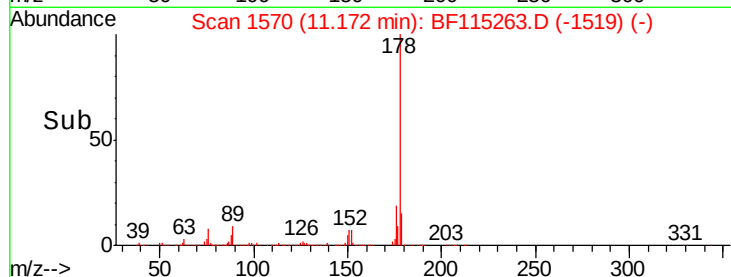
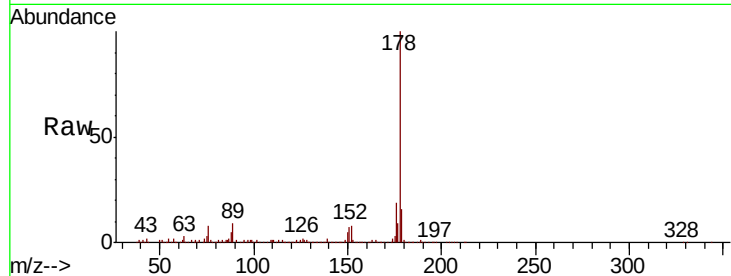
ClientSampleId :

CL-02-062619-A

Tot Ion:	178	Resp:	161255
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.1	24.1
179	15.7	12.9	19.3

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#75

Fluoranthene

Concen: 12.059 ng

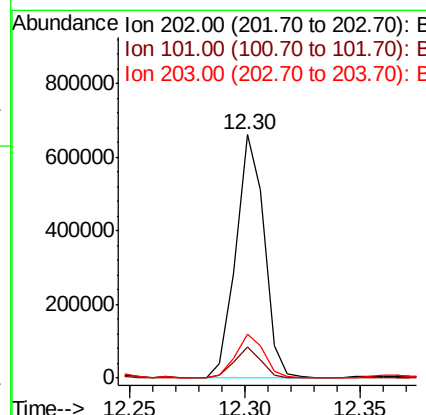
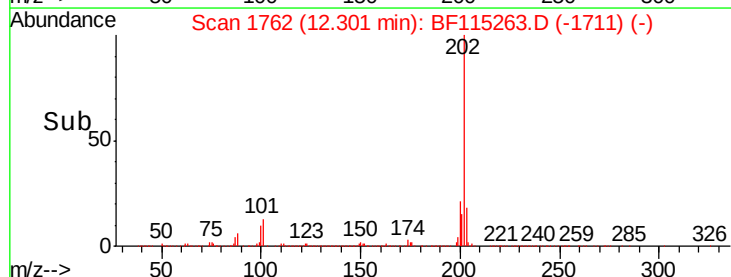
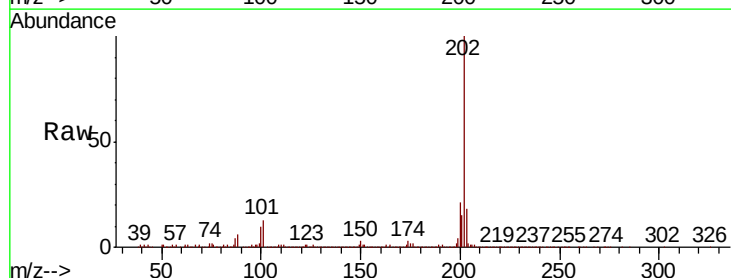
RT: 12.30 min Scan# 1762

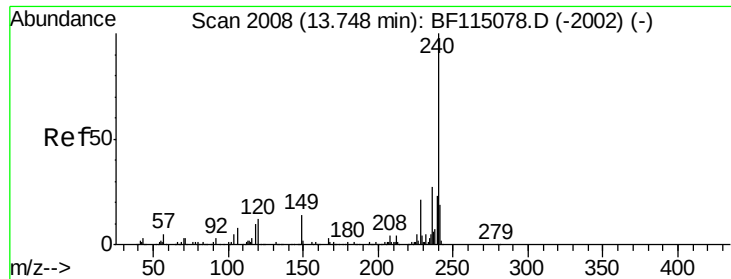
Delta R.T. 0.00 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Tgt Ion:	202	Resp:	561625
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	34.0
203	18.1	0.0	38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.72 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Instrument :

BNA_F

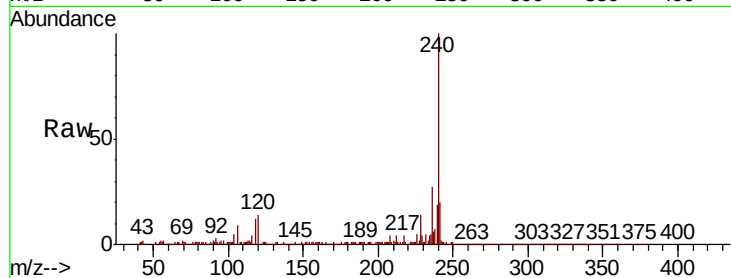
ClientSampleId :

CL-02-062619-A

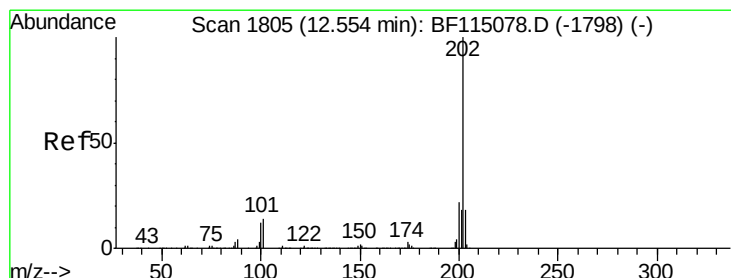
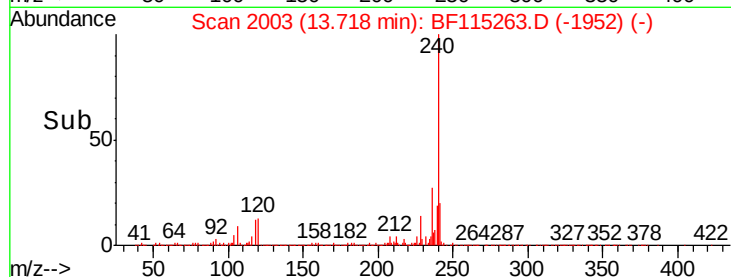
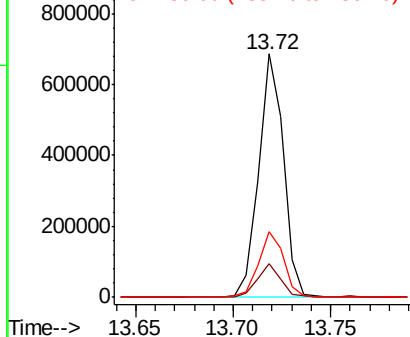
Tot Ion:	240	Resp:	600246
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.4	14.2
236	27.2	21.7	32.5

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 14.097 ng

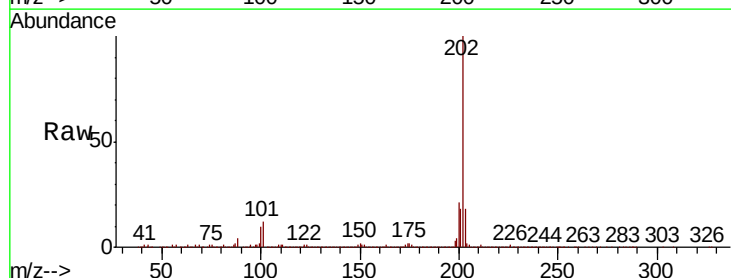
RT: 12.53 min Scan# 1801

Delta R.T. 0.01 min

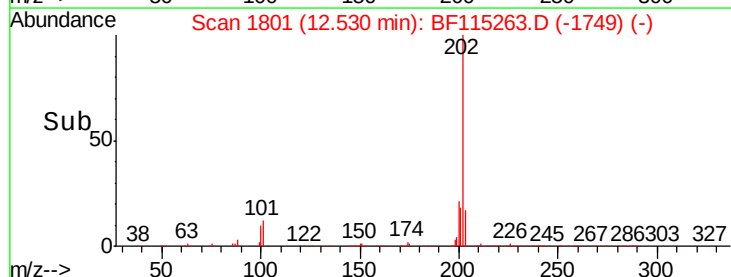
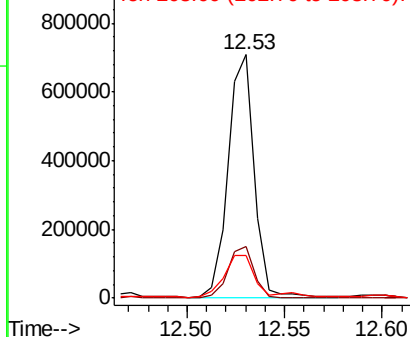
Lab File: BF115263.D

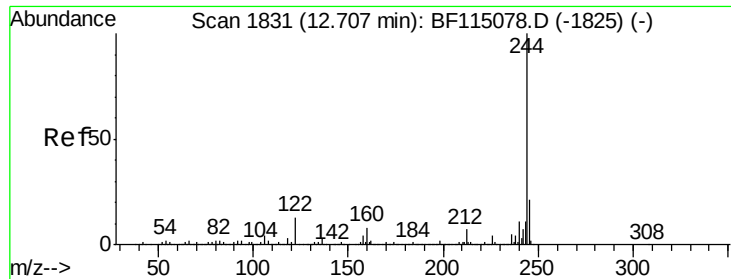
Acq: 28 Jun 2019 4:28

Tgt Ion:	202	Resp:	650269
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.9	26.9
203	17.5	14.6	21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 38.906 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Instrument :

BNA_F

ClientSampleId :

CL-02-062619-A

Tot Ion:244 Resp: 1098372

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

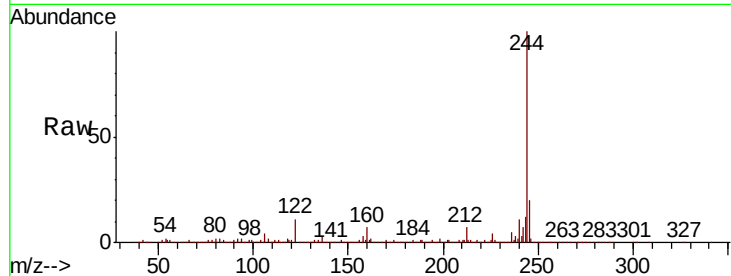
122 11.2 10.4 15.6

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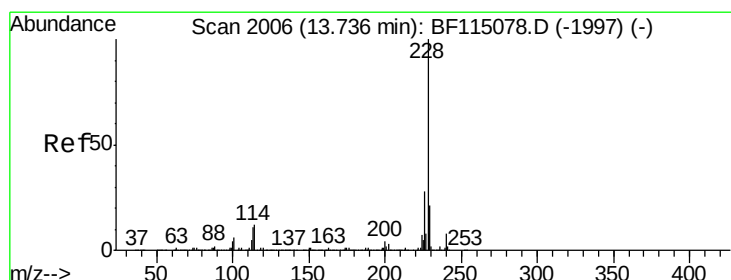
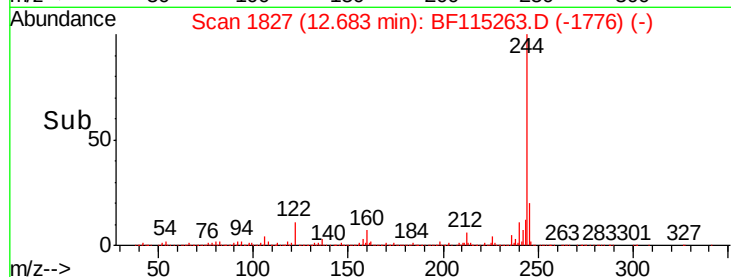
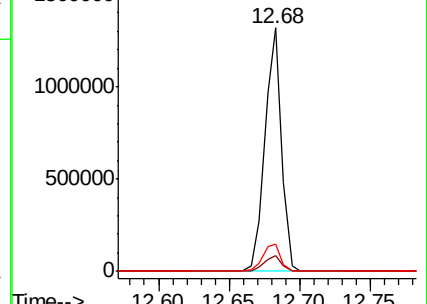
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.711 ng m

RT: 13.71 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF115263.D

Acq: 28 Jun 2019 4:28

Tgt Ion:228 Resp: 289042

Ion Ratio Lower Upper

228 100

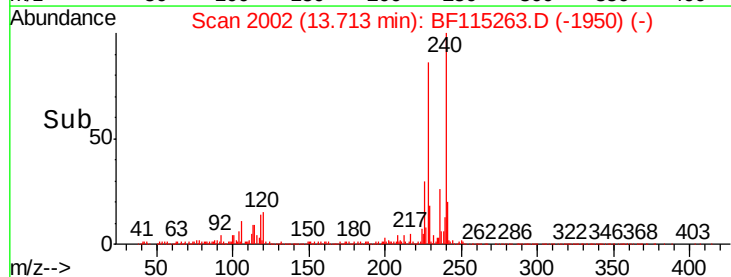
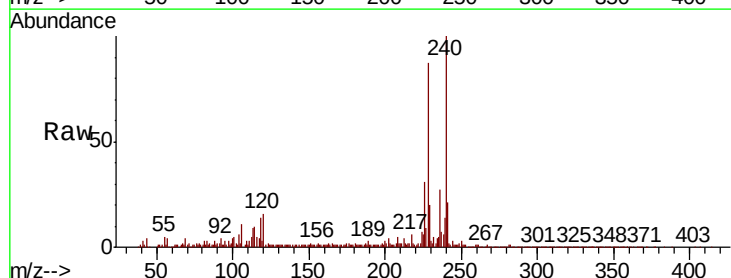
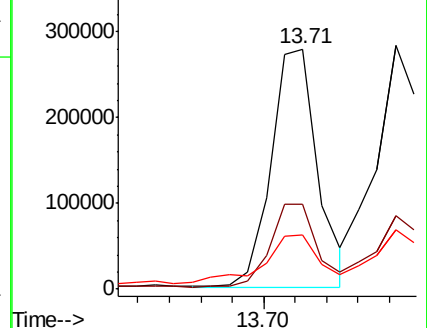
226 35.2 22.5 33.7#

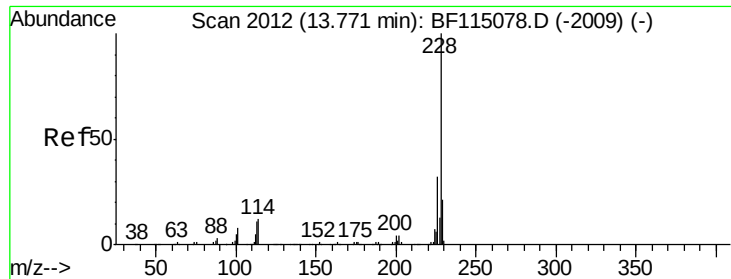
229 22.8 16.6 24.8

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





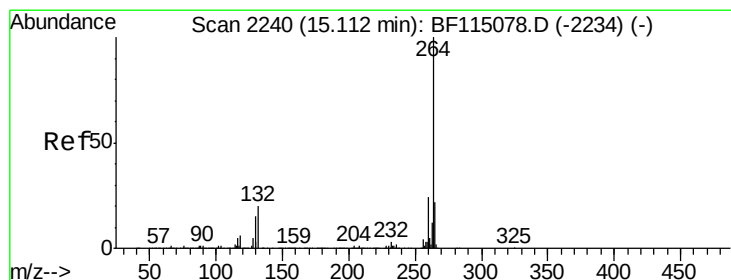
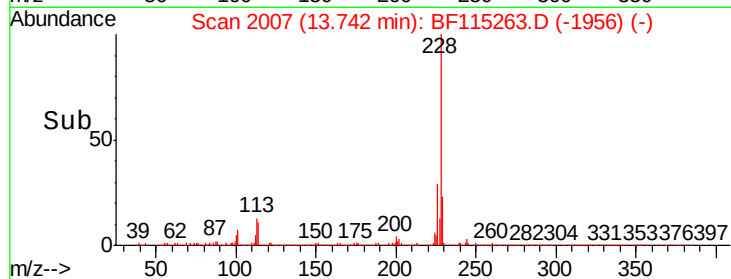
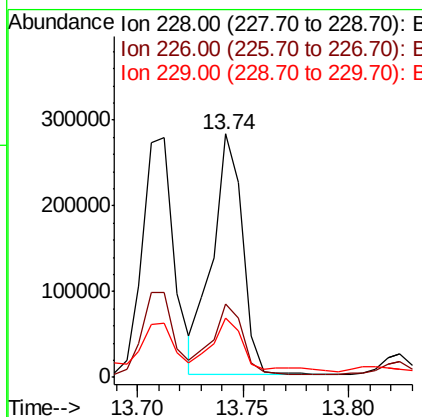
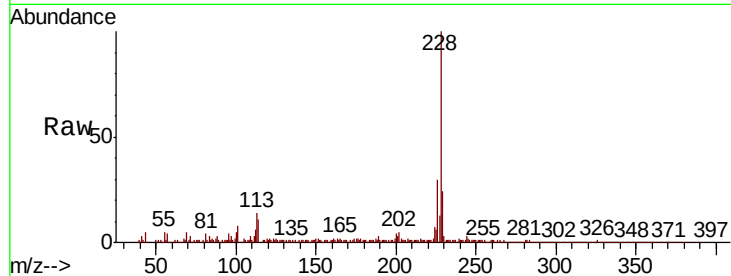
#83
Chrysene
Concen: 7.071 ng
RT: 13.74 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	24.2	16.5	24.7

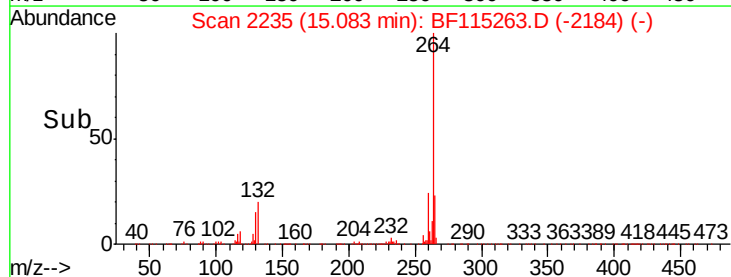
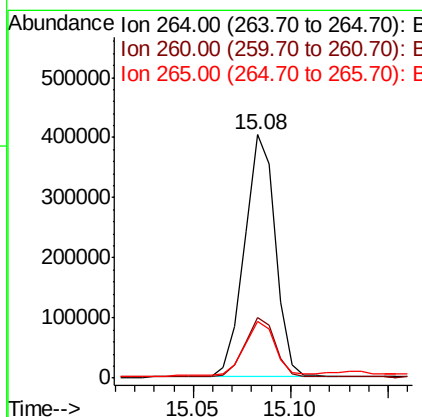
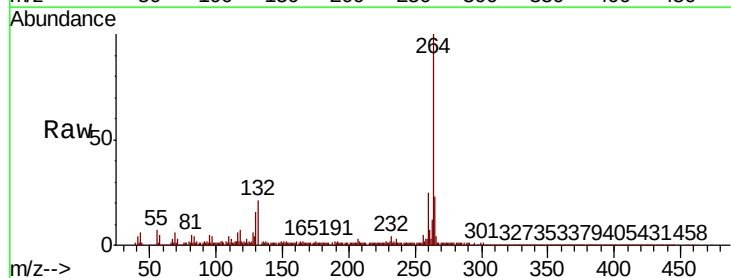
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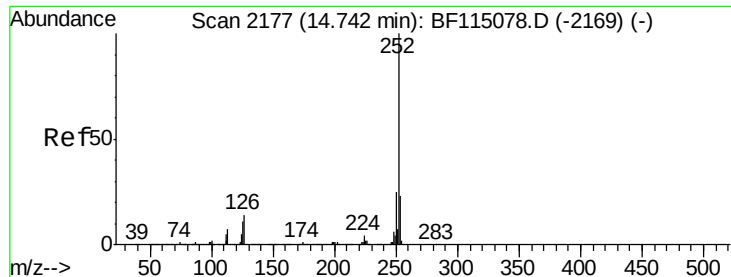
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	23.4	17.3	25.9





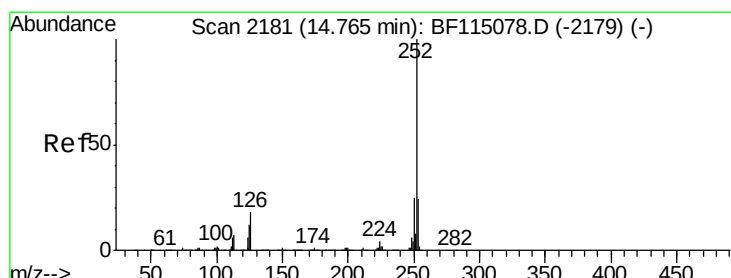
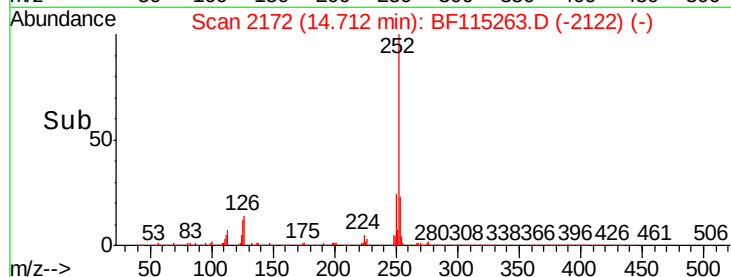
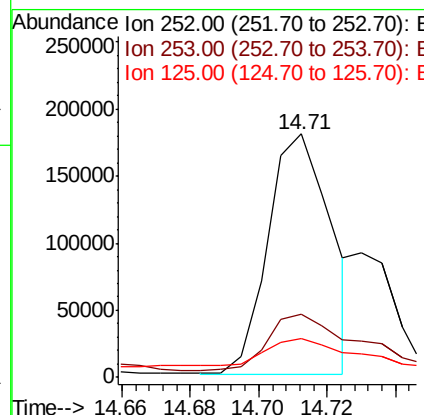
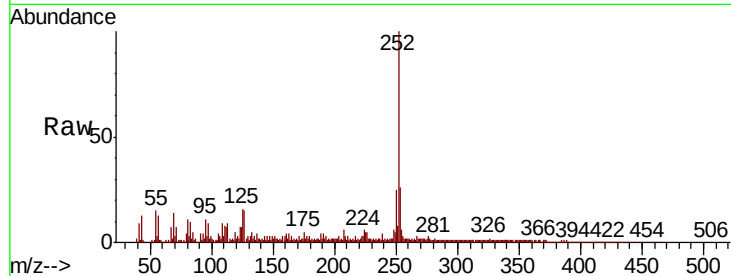
#88
Benzo(b)fluoranthene
Concen: 8.297 ng m
RT: 14.71 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	228202		
253	25.7	18.1	27.1	
125	15.9	8.7	13.1	

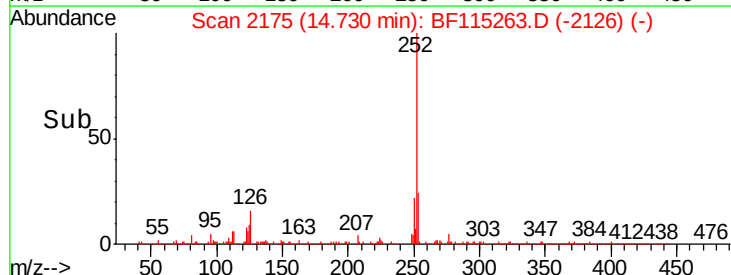
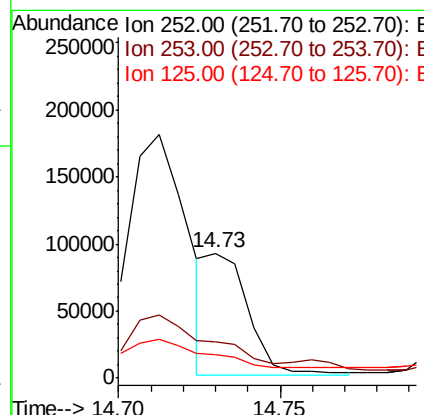
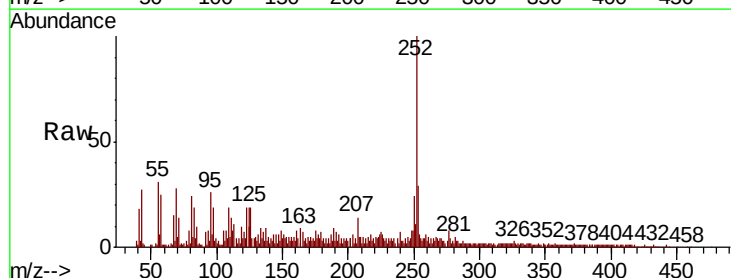
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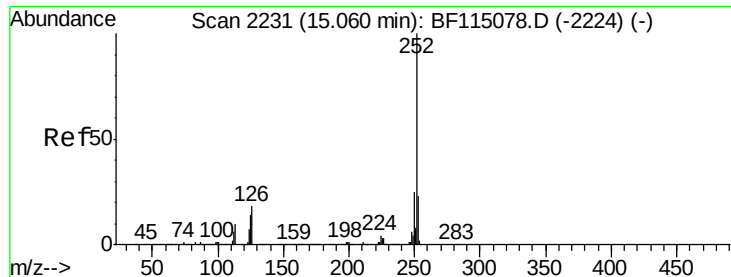
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#89
Benzo(k)fluoranthene
Concen: 3.247 ng m
RT: 14.73 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	80100		
253	29.2	18.9	28.3	
125	18.7	10.2	15.2	





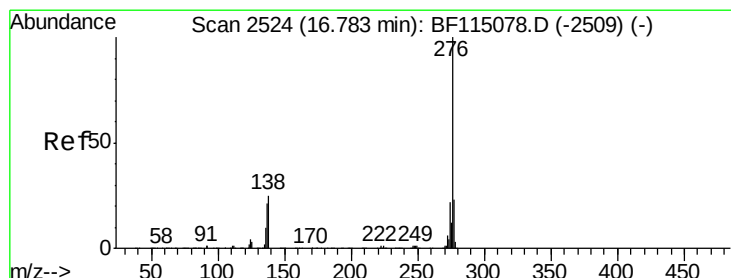
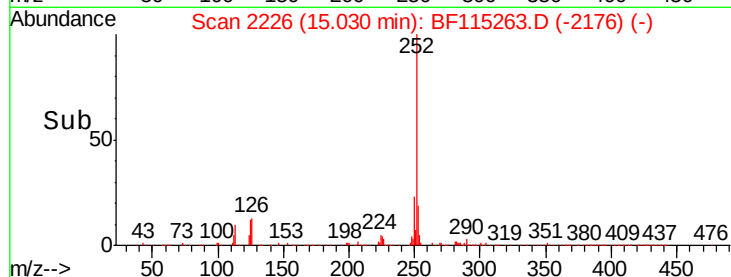
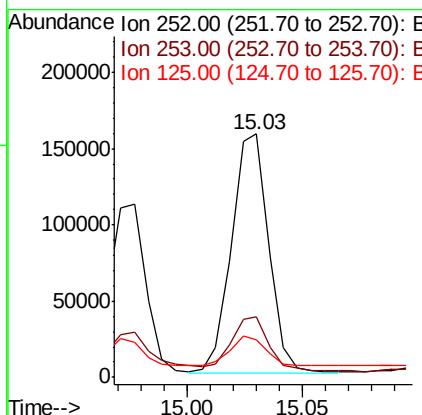
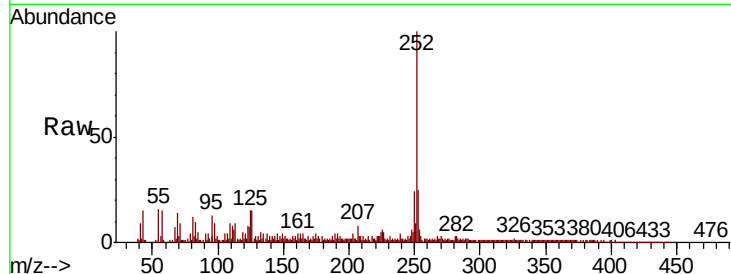
#90
Benzo(a)pyrene
Concen: 7.108 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.3	27.5
125	15.3	10.9	16.3

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#92
Benzo(g,h,i)perylene
Concen: 4.151 ng
RT: 16.72 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF115263.D
Acq: 28 Jun 2019 4:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.6	28.0
138	24.7	19.8	29.6

