

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112972.D
 Acq On : 11 Mar 2019 23:17
 Operator : JU/SJ
 Sample : K1691-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-B

Manual Integrations
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 3/12/2019 4:28:51 PM

Quant Time: Mar 12 06:30:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	164970	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	633809	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	385819	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	799425	20.00	ng	0.00
76) Chrysene-d12	13.86	240	539371	20.00	ng	-0.01
87) Perylene-d12	15.27	264	469377	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	162307	15.30	ng	-0.02
7) Phenol-d6	6.36	99	231521	17.38	ng	-0.01
23) Nitrobenzene-d5	7.29	82	126988	11.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	93633	22.86	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	301714	9.28	ng	-0.01
79) Terphenyl-d14	12.82	244	316425	11.37	ng	-0.01
Target Compounds						
58) Fluorene	10.31	166	104287	4.144	ng	Qvalue 99
71) Phenanthrene	11.26	178	708204	17.805	ng	99
72) Anthracene	11.32	178	267088	6.415	ng	97
75) Fluoranthene	12.45	202	763099	17.907	ng	98
78) Pyrene	12.67	202	614763	13.520	ng	99
81) Benzo(a)anthracene	13.86	228	261665	7.000	ng	99
83) Chrysene	13.89	228	227388	6.210	ng	95
86) Indeno(1,2,3-cd)pyrene	16.63	276	76750	2.459	ng	# 92
88) Benzo(b)fluoranthene	14.87	252	265741m	8.753	ng	
89) Benzo(k)fluoranthene	14.90	252	75169m	2.733	ng	
90) Benzo(a)pyrene	15.21	252	176818	6.584	ng	99
92) Benzo(a,h,i)perylene	17.04	276	67192	2.920	ng	100

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

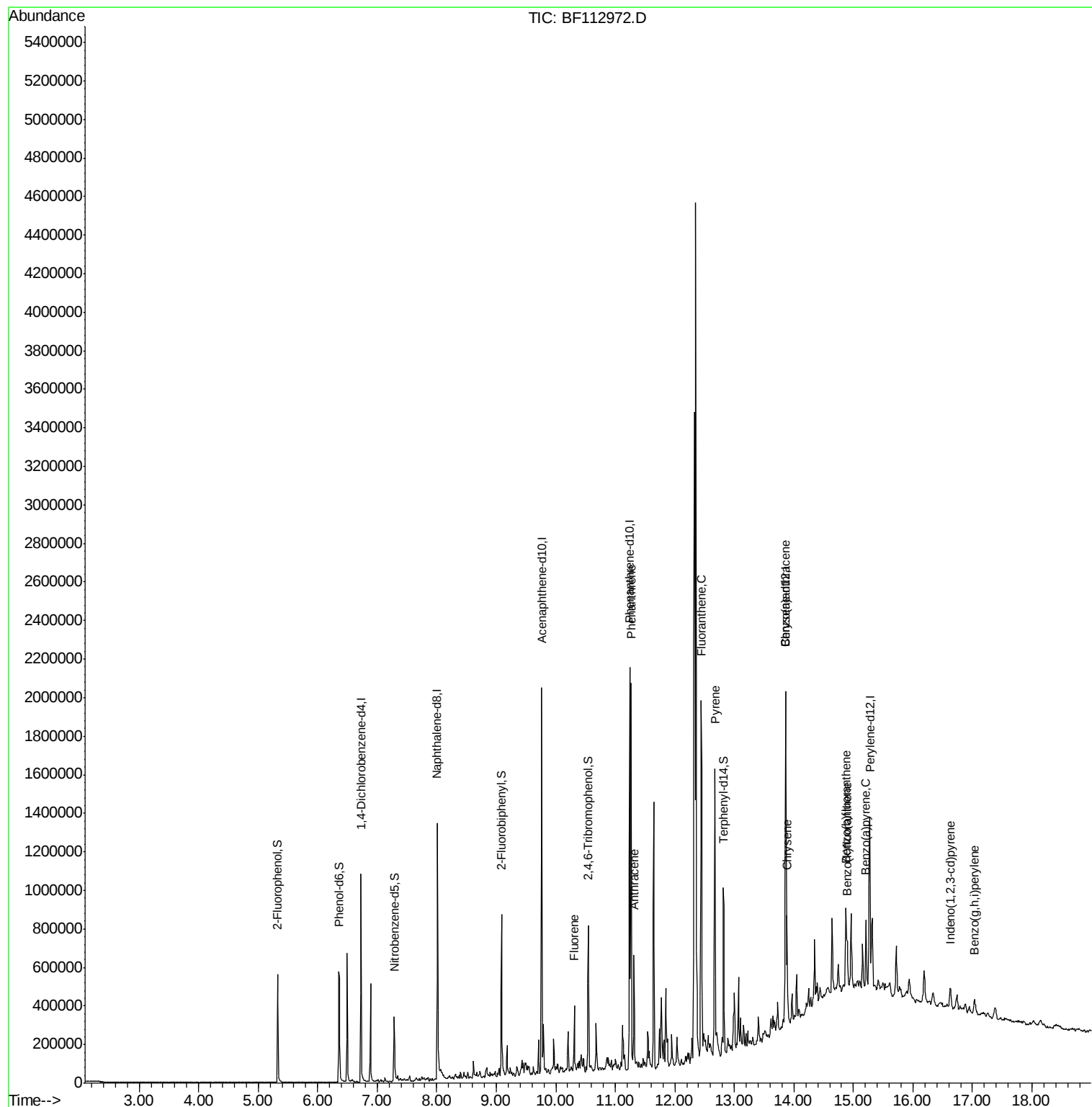
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
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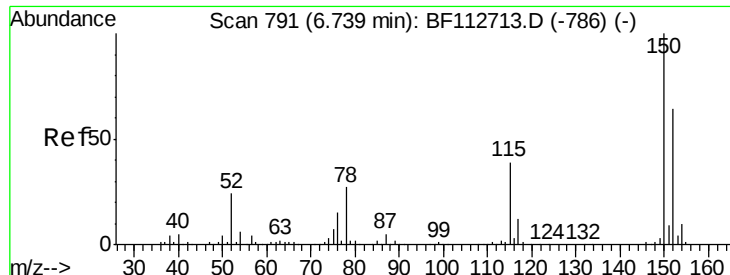
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

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Quant Time: Mar 12 06:30:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

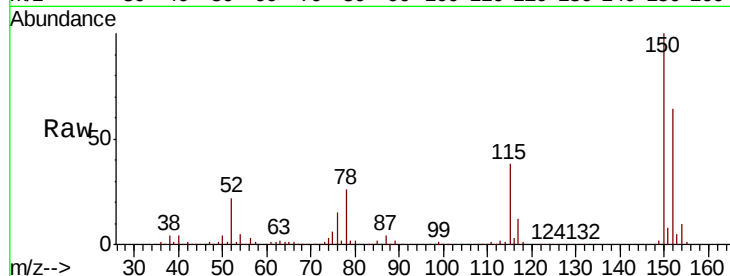
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Instrument :
BNA_F
ClientSampled :
CL-02-030819-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.2	186.2
115	59.2	48.2	72.4

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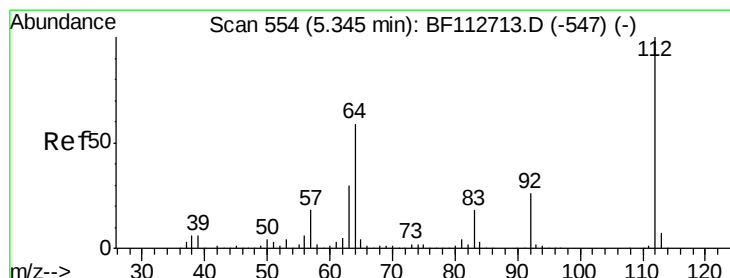
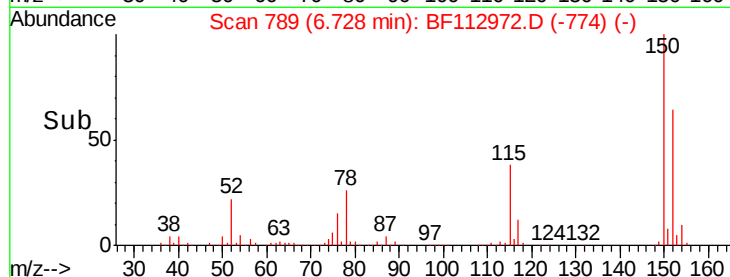
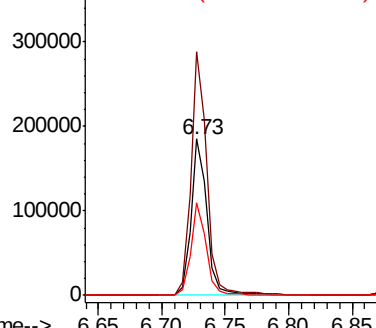


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

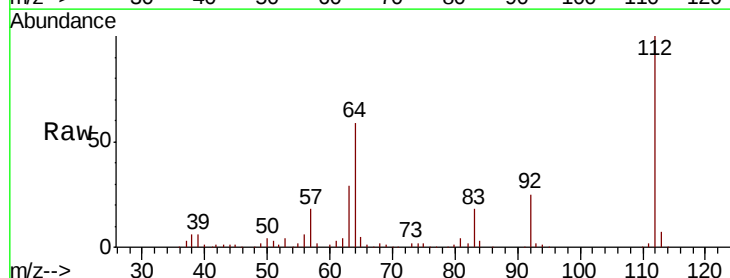
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 15.304 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.6	71.4
63	29.0	24.4	36.6

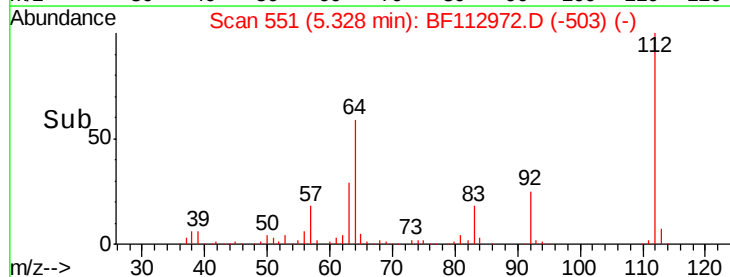
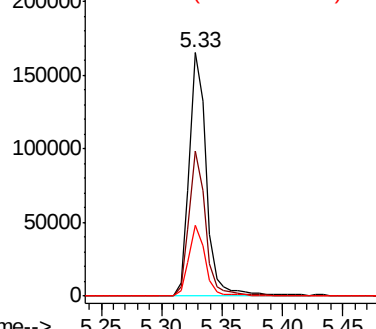


Abundance

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: 17.379 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

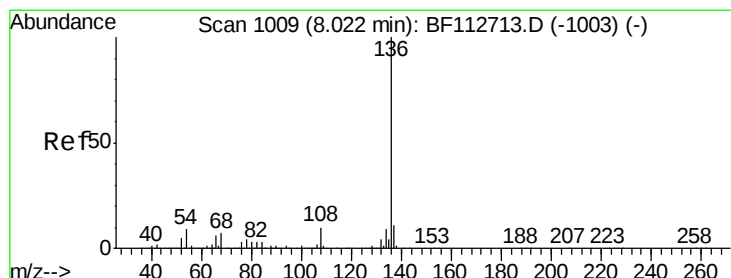
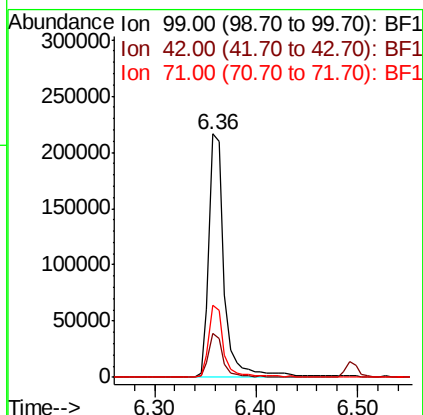
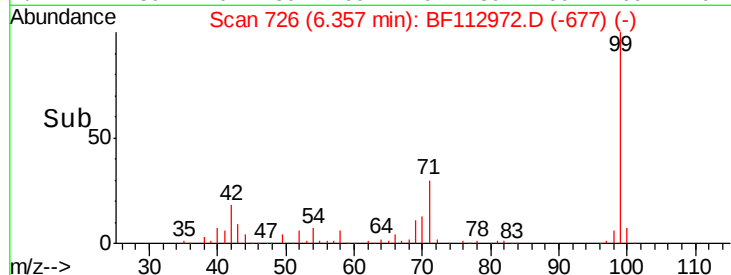
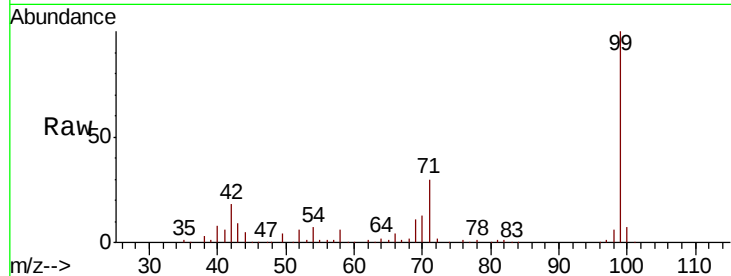
ClientSampleId :

CL-02-030819-B

Tot Ion:	99	Resp:	231521
Ion Ratio	Lower	Upper	
99	100		
42	18.0	16.3	24.5
71	29.9	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

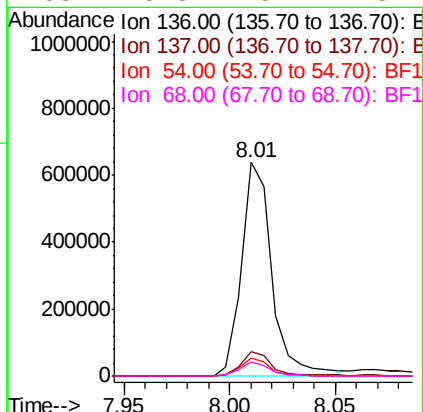
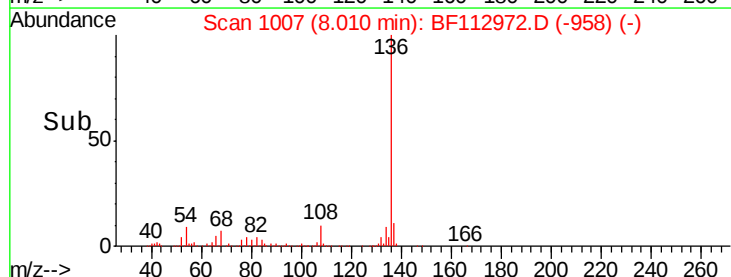
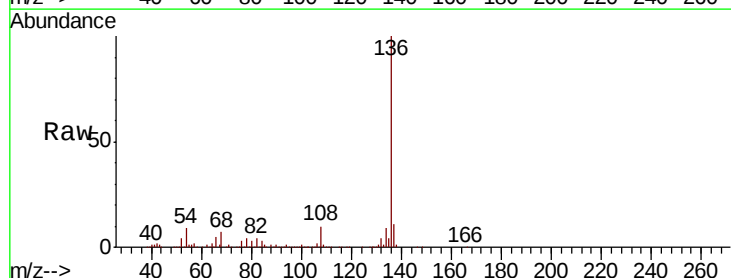
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Tgt Ion:	136	Resp:	633809
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.6	7.3	10.9
68	6.8	5.4	8.2





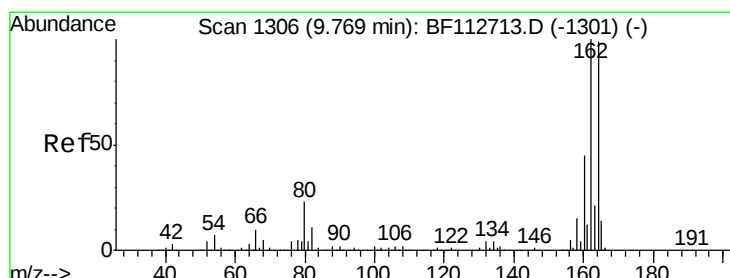
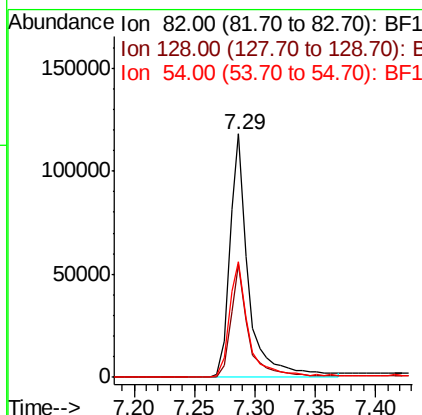
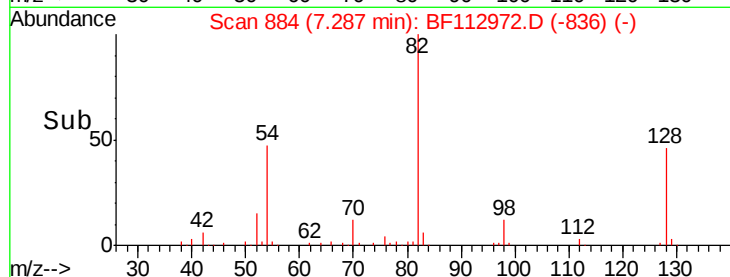
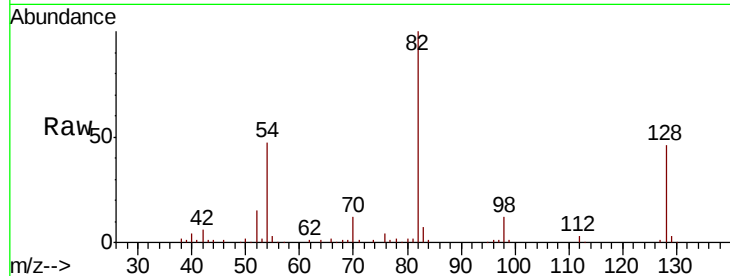
#23
Nitrobenzene-d5
Concen: 11.989 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.3	54.5
54	47.4	43.7	65.5

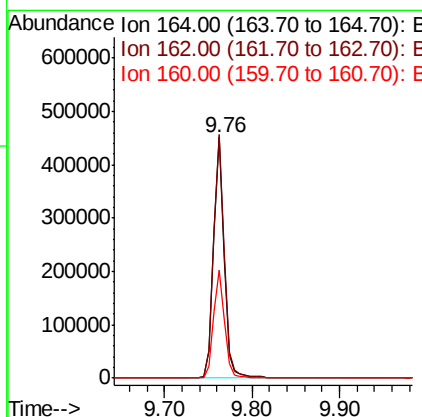
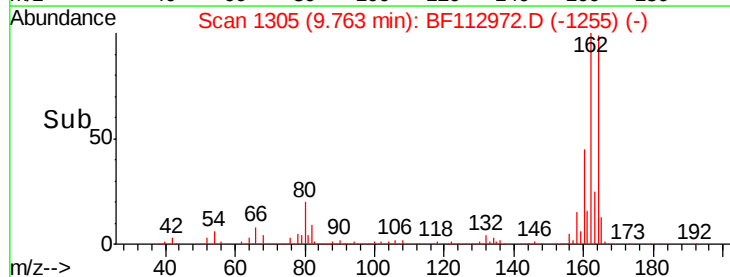
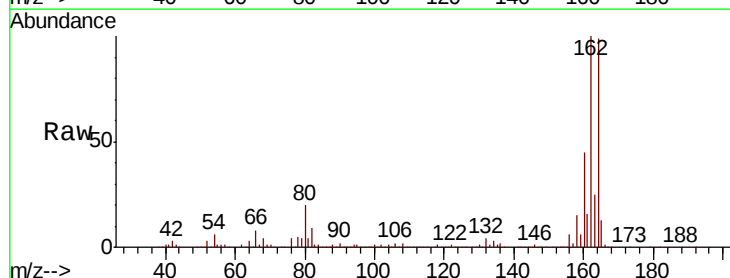
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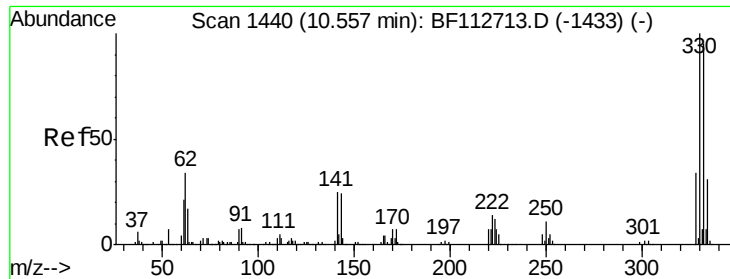
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.1	36.0	54.0





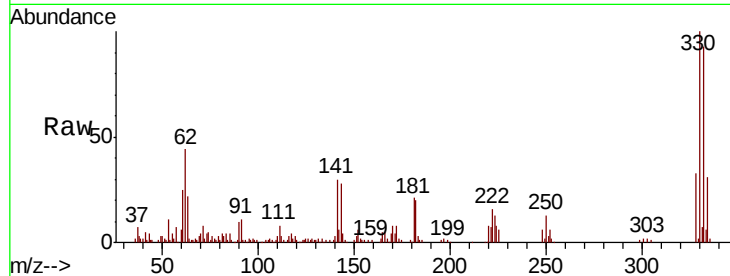
#42
 2,4,6-Tribromophenol
 Concen: 22.860 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.2	114.4
141	29.0	27.0	40.6

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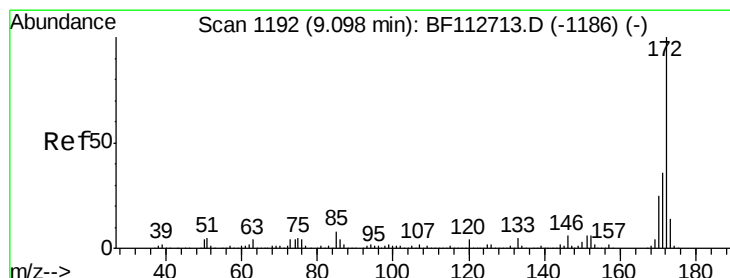
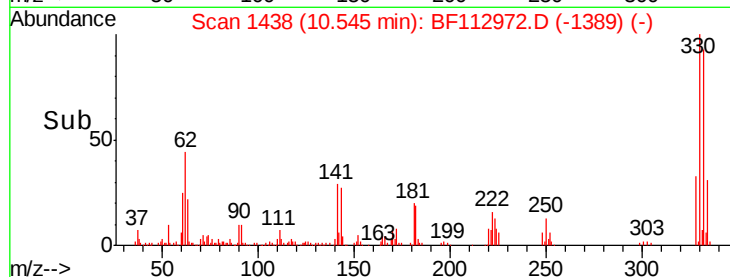
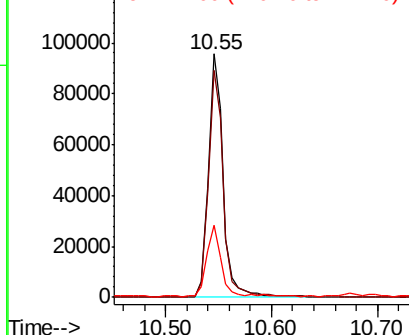


Abundance

Ion 329.80 (329.50 to 330.50): E

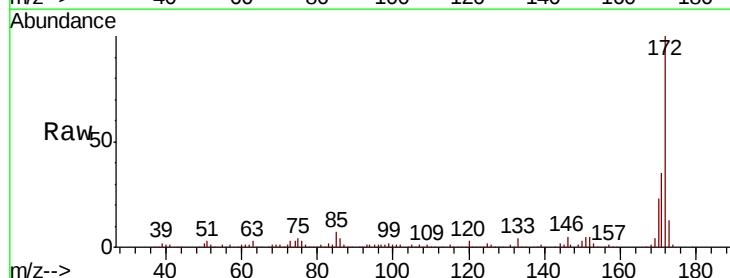
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 9.279 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.4
170	23.3	20.0	30.0

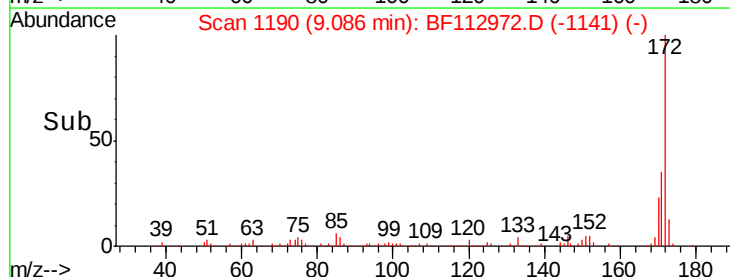
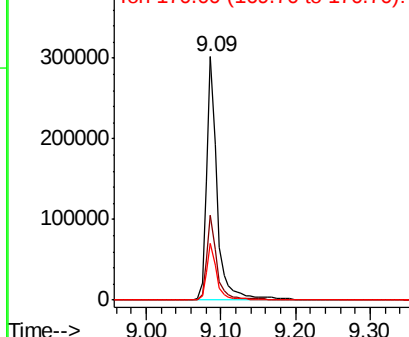


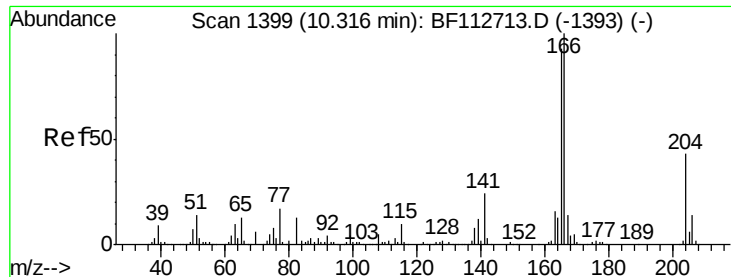
Abundance

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





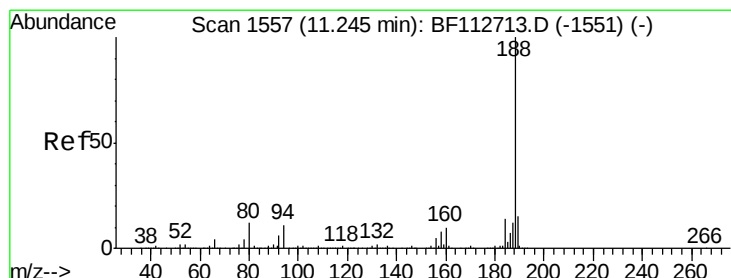
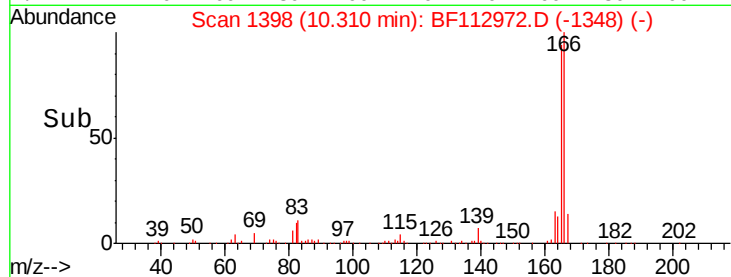
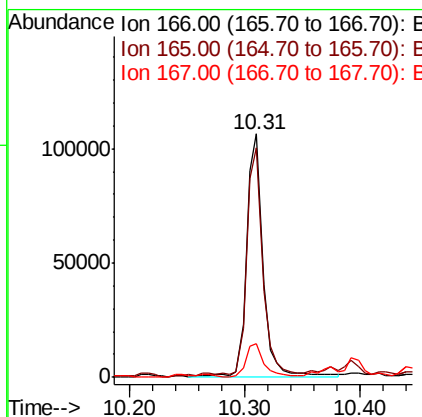
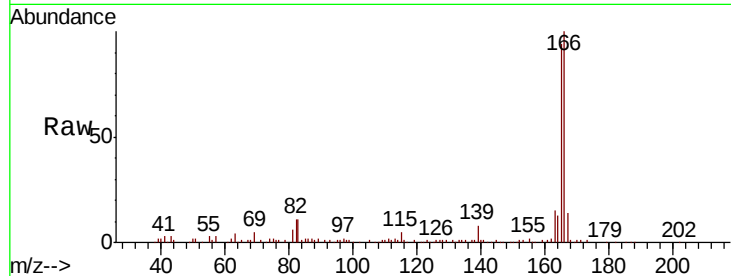
#58
Fluorene
 Concen: 4.144 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	74.7	112.1
167	13.7	11.0	16.6

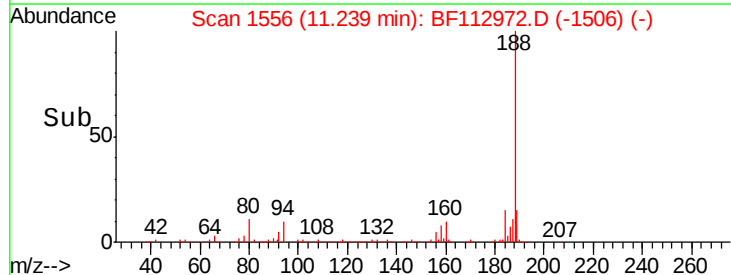
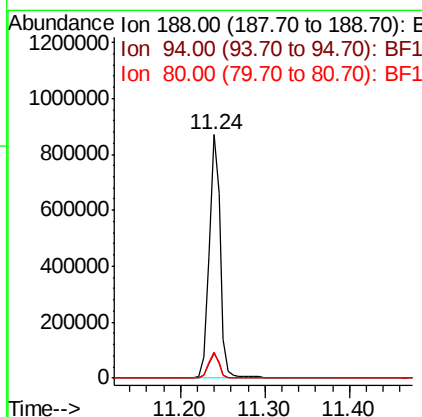
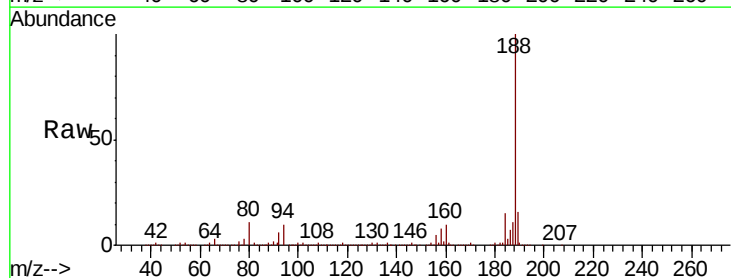
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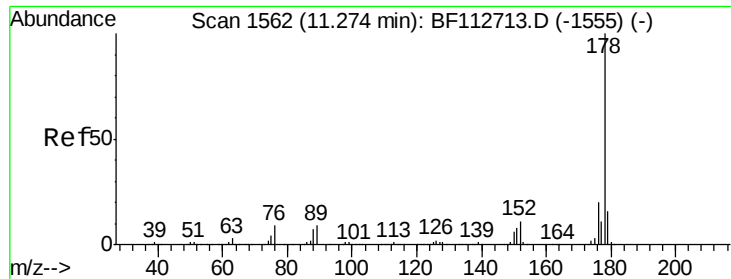
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.0	13.4
80	10.6	9.2	13.8





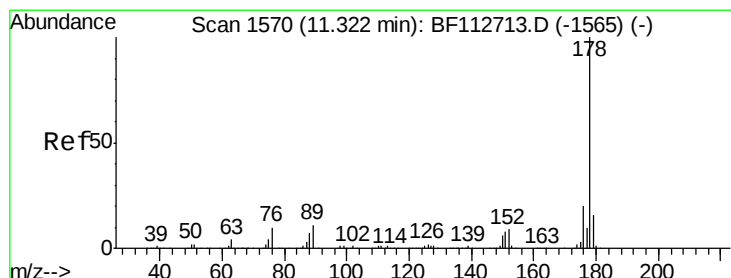
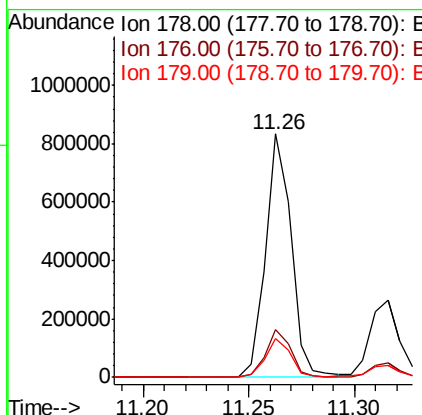
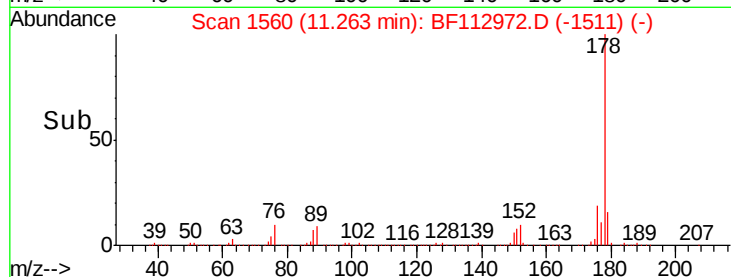
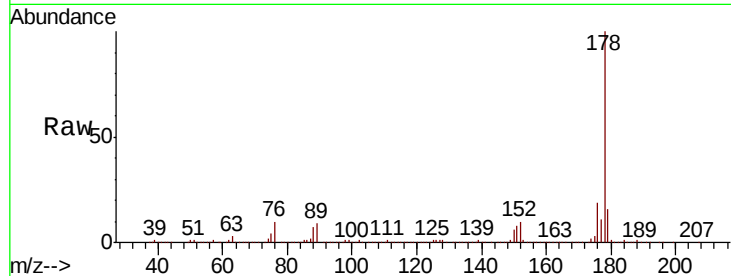
#71
Phenanthrene
Concen: 17.805 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	15.7	12.7	19.1

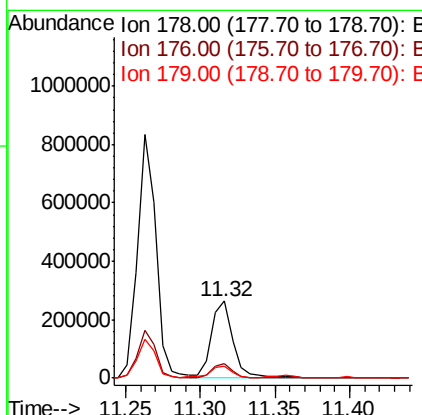
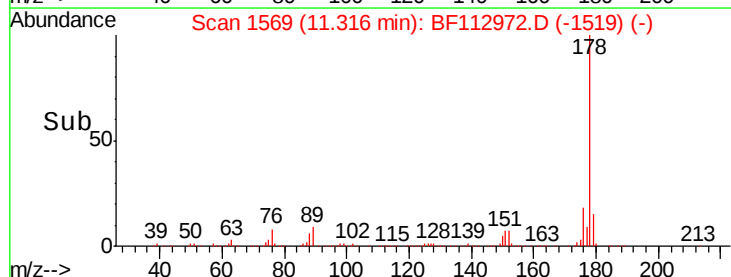
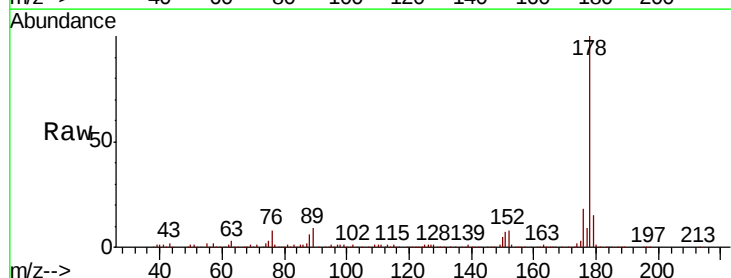
Manual Integrations
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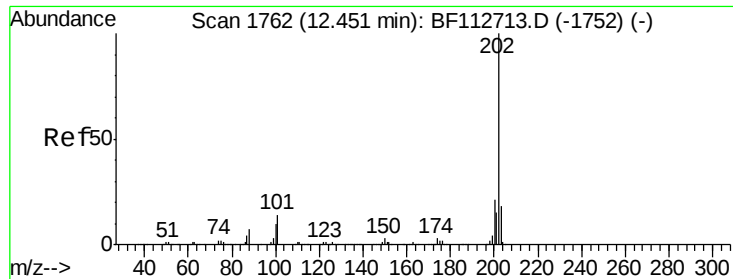
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#72
Anthracene
Concen: 6.415 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.6
179	15.4	13.0	19.6





#75

Fluoranthene

Concen: 17.907 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

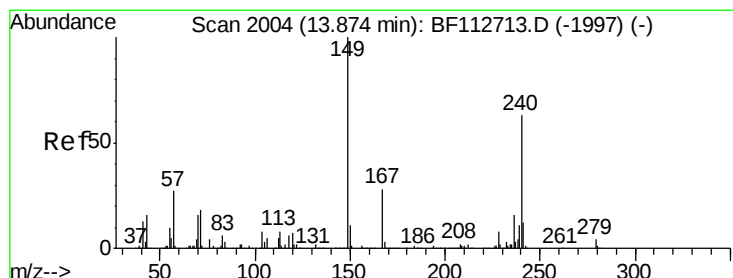
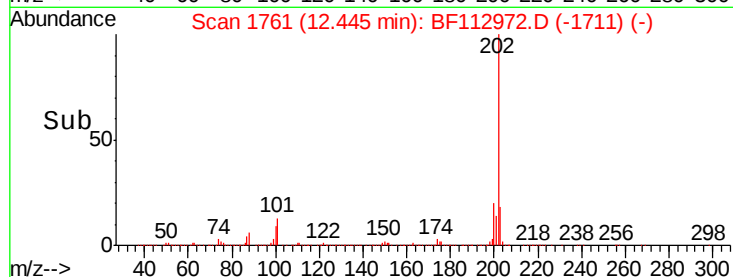
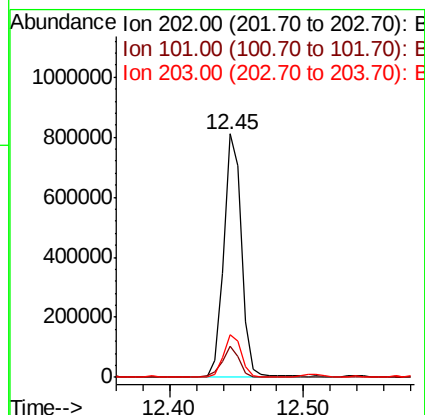
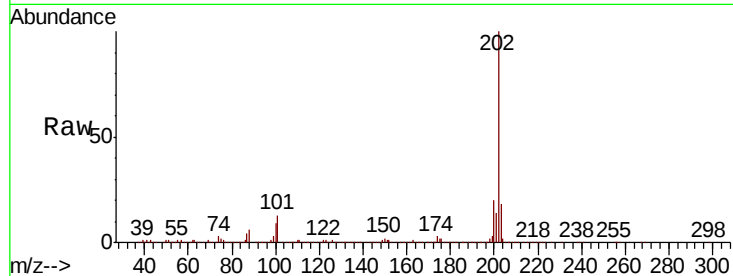
ClientSampleId :

CL-02-030819-B

Tot Ion:	202	Resp:	763099
Ion Ratio		Lower	Upper
202	100		
101	12.9	0.0	33.8
203	17.7	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

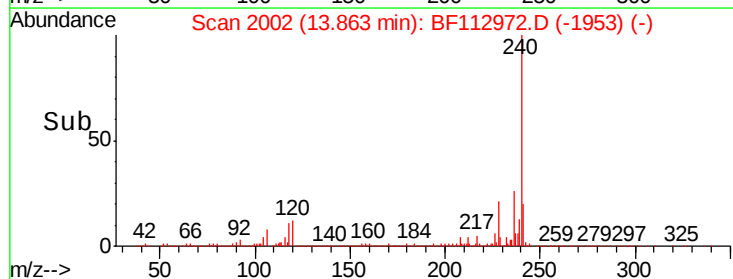
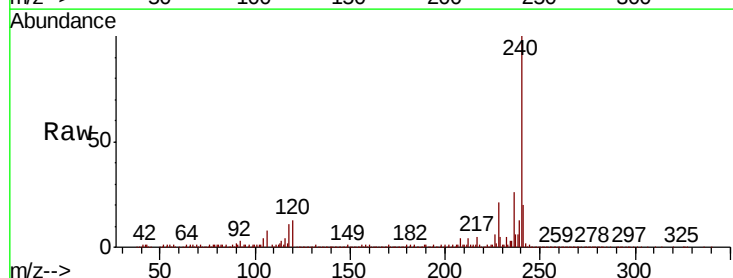
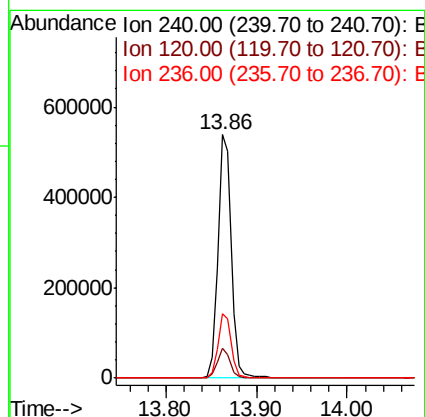
RT: 13.86 min Scan# 2002

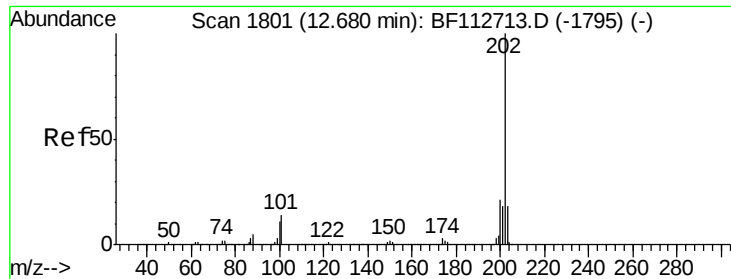
Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Tgt Ion:	240	Resp:	539371
Ion Ratio		Lower	Upper
240	100		
120	12.5	8.9	13.3
236	26.3	20.7	31.1





#78

Pvrene

Concen: 13.520 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

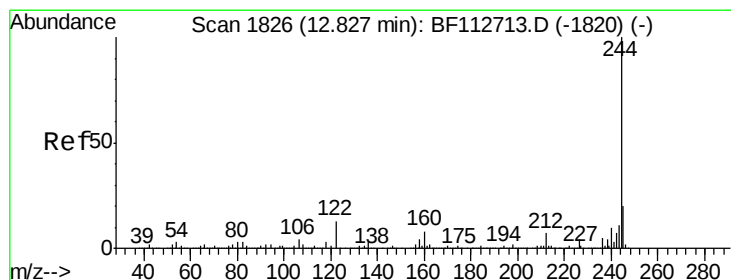
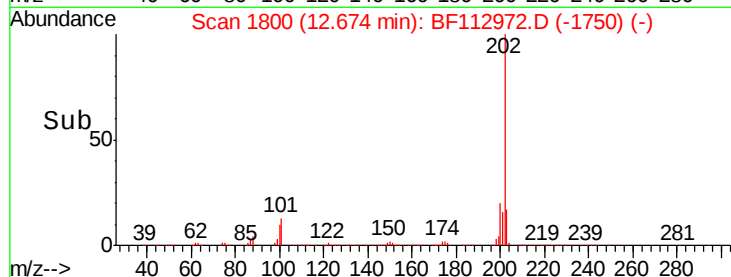
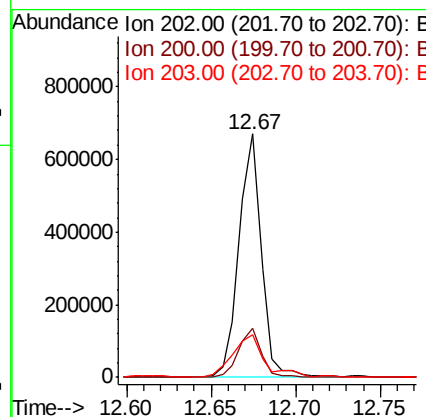
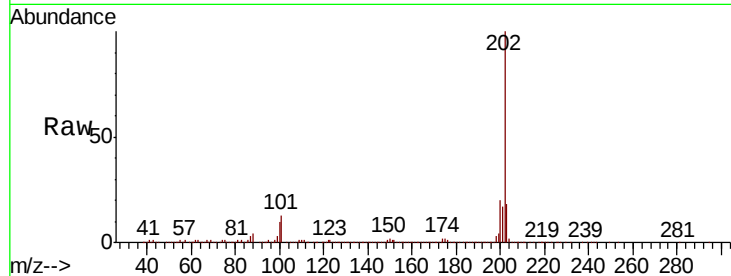
ClientSampleId :

CL-02-030819-B

Tot Ion:	202	Resp:	614763
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.0	25.4
203	17.7	14.4	21.6

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#79

Terphenyl-d14

Concen: 11.372 ng

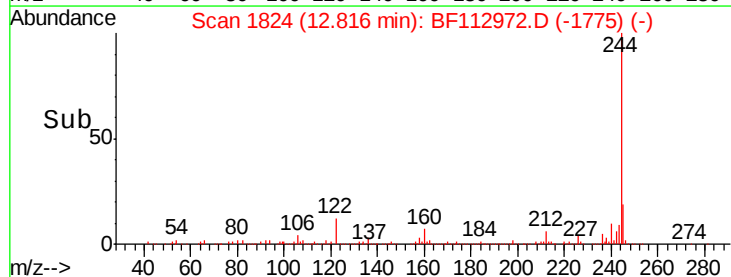
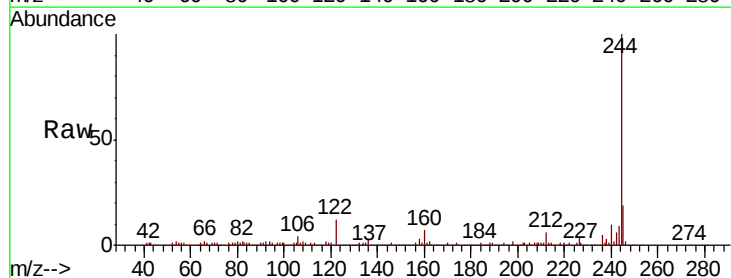
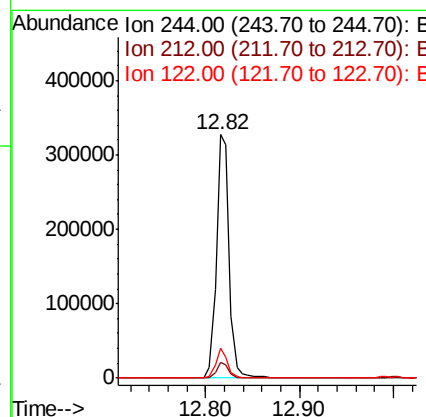
RT: 12.82 min Scan# 1824

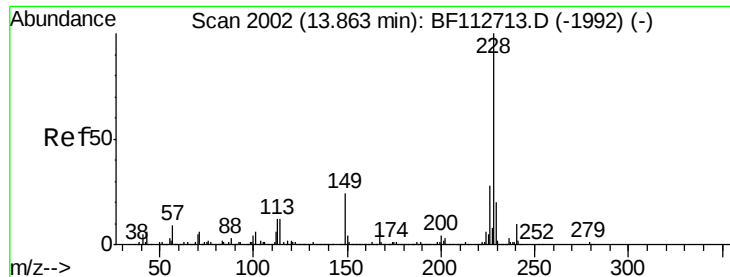
Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Tgt Ion:	244	Resp:	316425
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.6	8.4
122	12.4	10.5	15.7





#81

Benzo(a)anthracene

Concen: 7.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

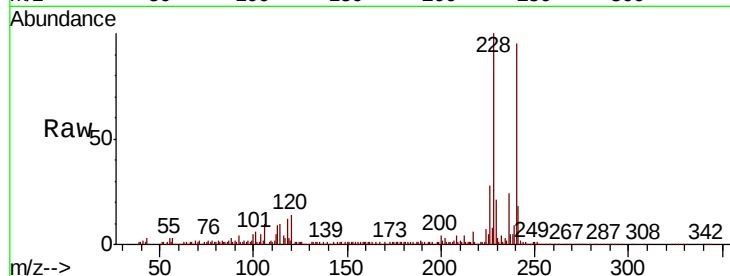
ClientSampleId :

CL-02-030819-B

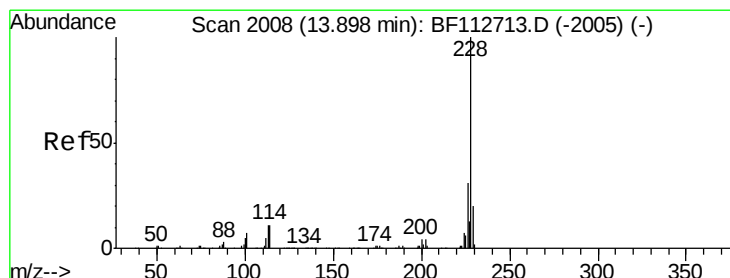
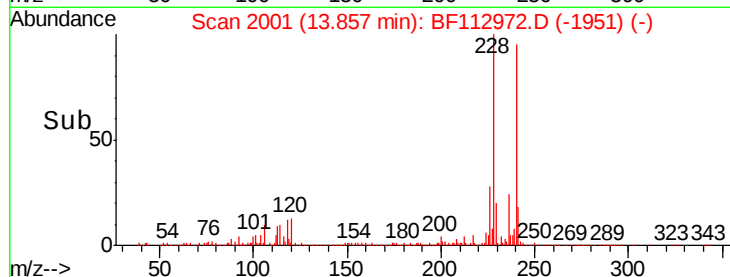
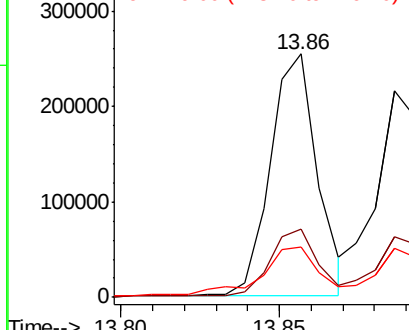
Tot Ion:	228	Resp:	261665
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.2	33.4
229	20.9	16.0	24.0

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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: 6.210 ng

RT: 13.89 min Scan# 2006

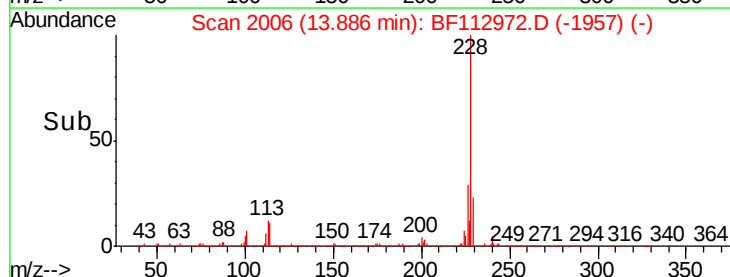
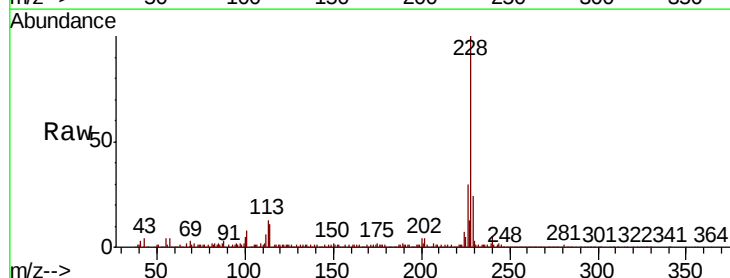
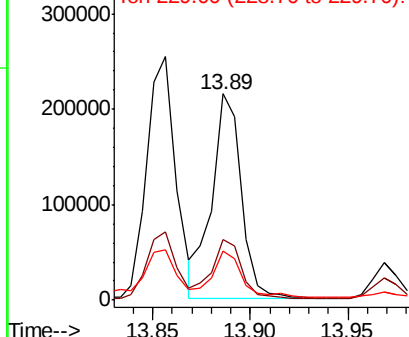
Delta R.T. -0.01 min

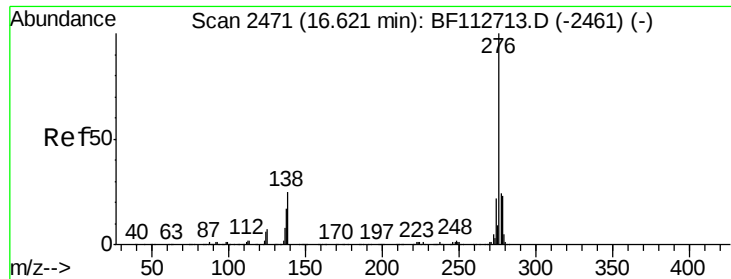
Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Tgt Ion:	228	Resp:	227388
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.9	37.3
229	23.9	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





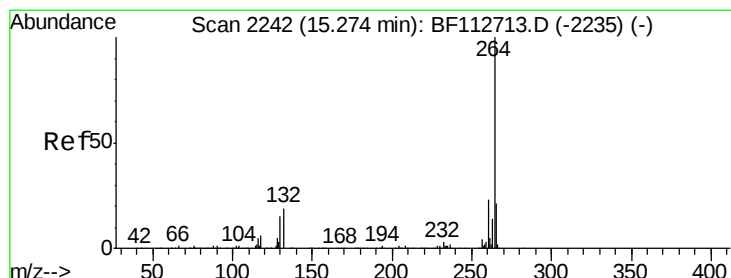
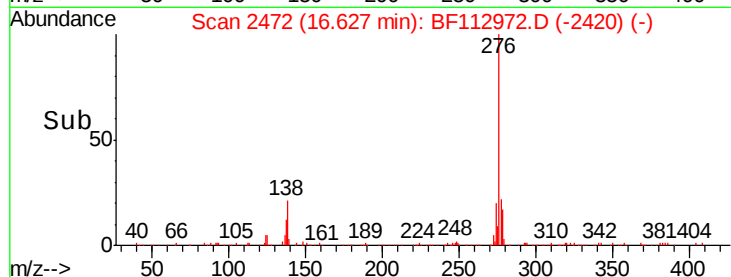
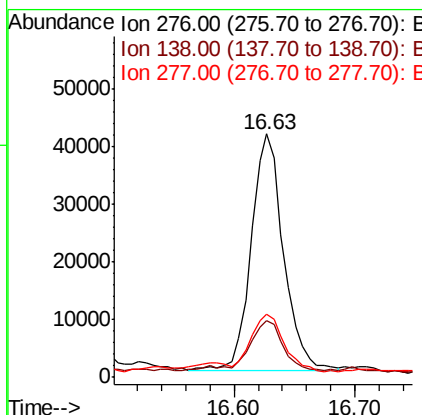
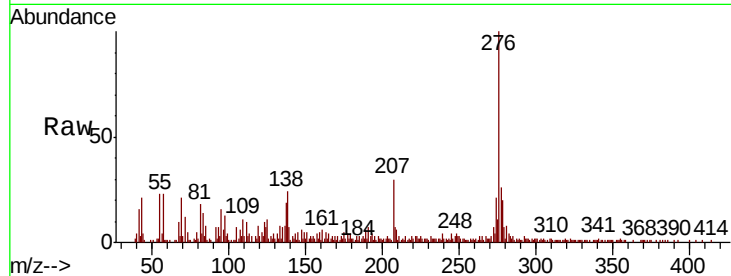
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.459 ng
RT: 16.63 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	23.2	34.8#
277	24.9	19.9	29.9

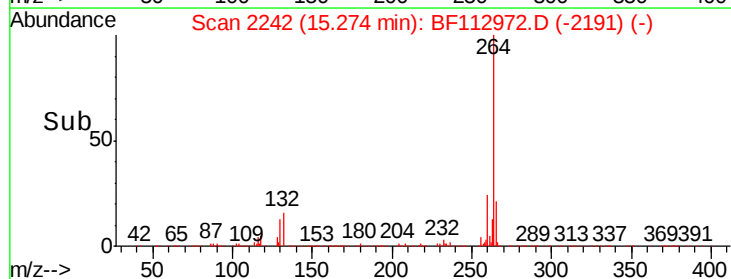
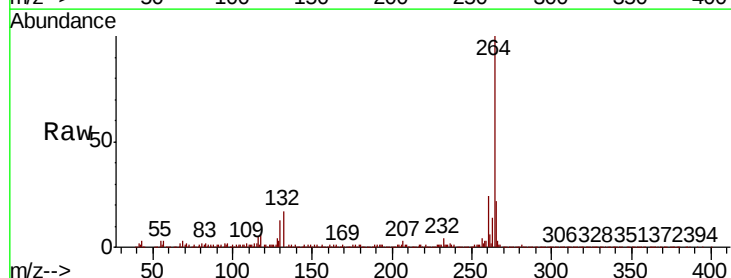
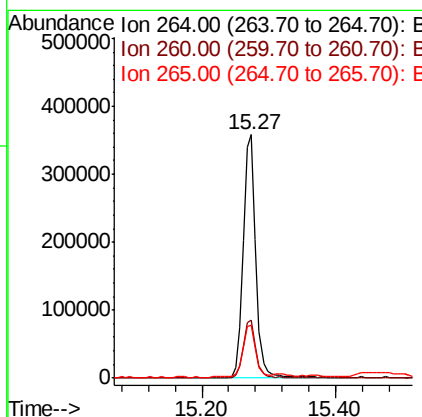
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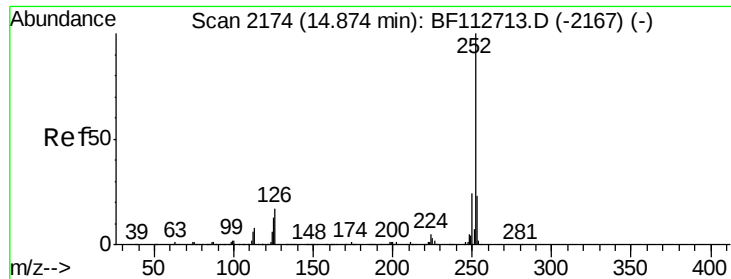
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.7	17.2	25.8





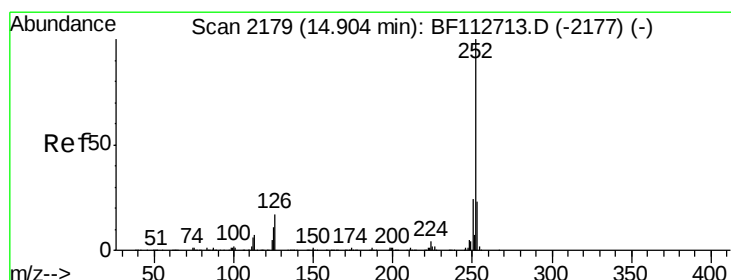
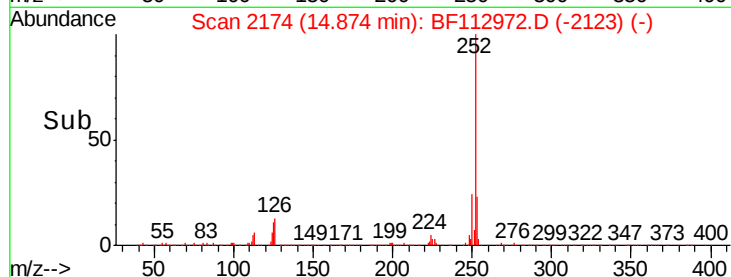
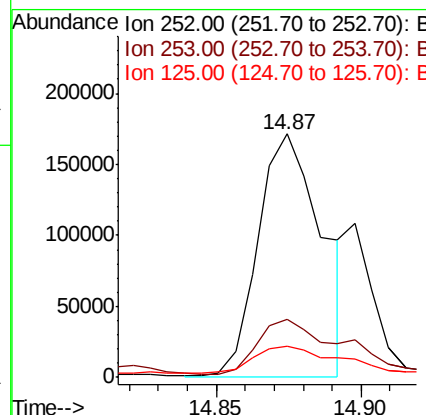
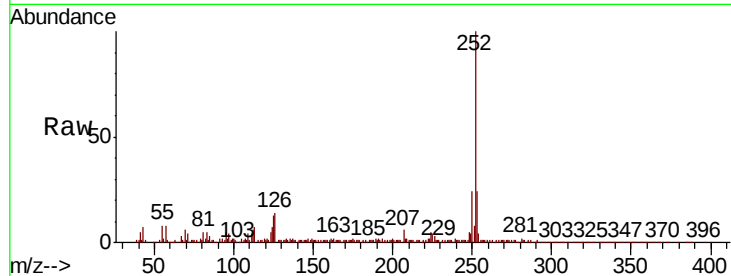
#88
Benzo(b)fluoranthene
Concen: 8.753 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.0	10.2	15.2

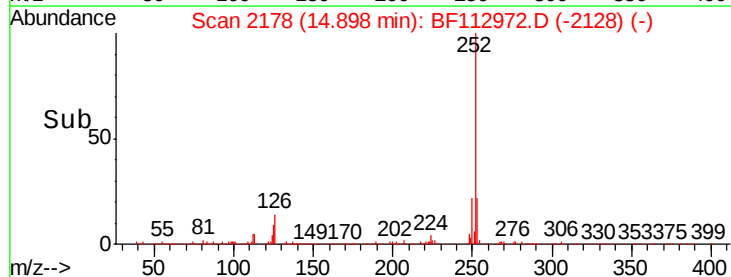
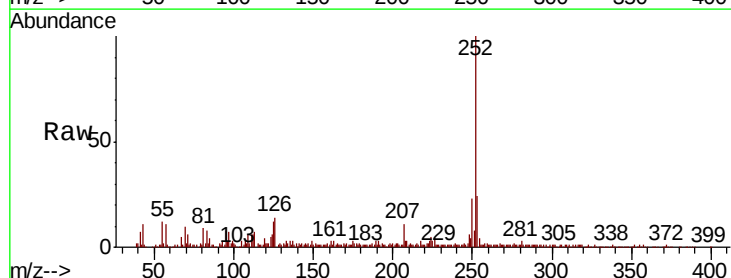
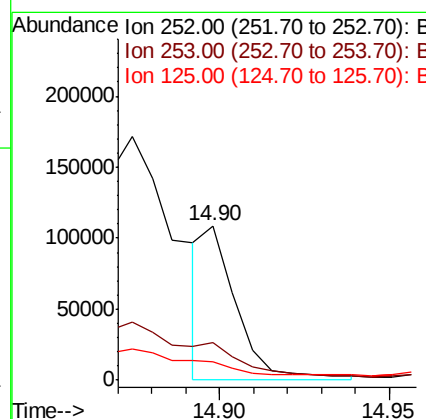
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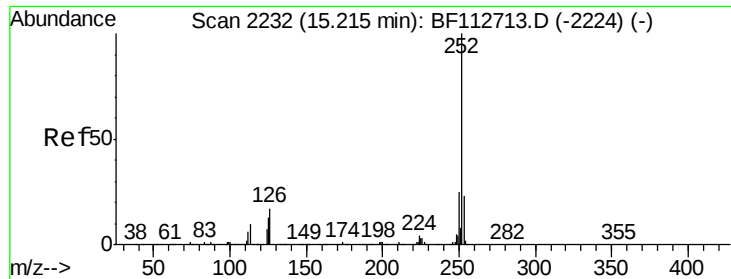
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#89
Benzo(k)fluoranthene
Concen: 2.733 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	11.9	9.8	14.6





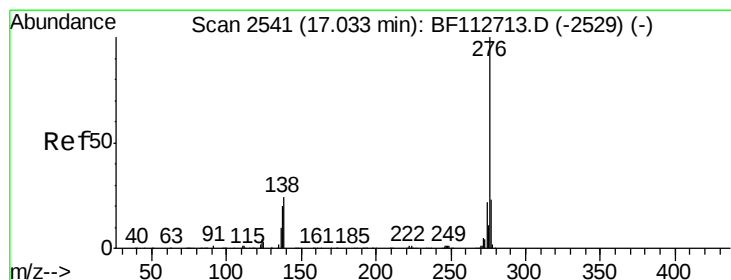
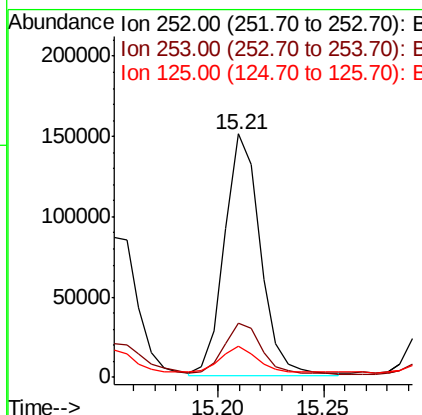
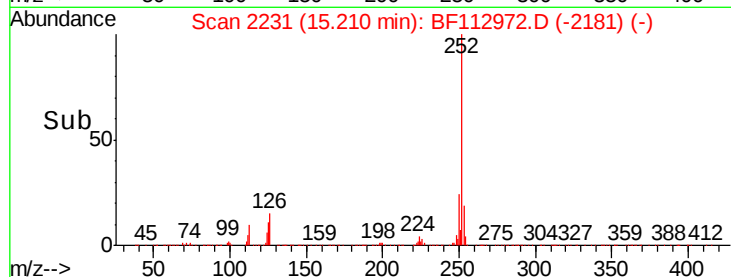
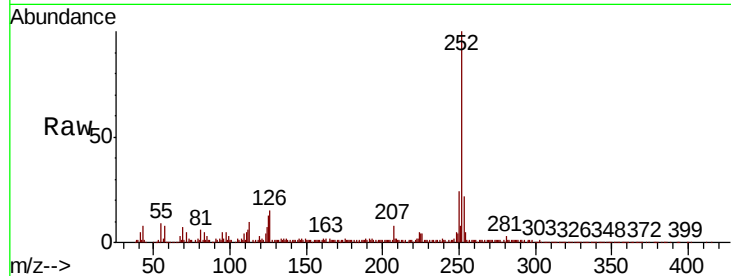
#90
Benzo(a)pyrene
Concen: 6.584 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

Tot Ion:	252	Resp:	176818
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	12.9	10.7	16.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.920 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion:	276	Resp:	67192
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.6	27.8
138	23.9	19.4	29.0

