

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112969.D
 Acq On : 11 Mar 2019 21:55
 Operator : JU/SJ
 Sample : K1691-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 3/12/2019 4:57:31 PM

Quant Time: Mar 12 16:08:37 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	186981	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	790779	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	439577	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	905894	20.00	ng	0.00
76) Chrysene-d12	13.86	240	623092	20.00	ng	-0.01
87) Perylene-d12	15.27	264	590371	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	505645	42.07	ng	-0.01
7) Phenol-d6	6.36	99	676435	44.80	ng	0.00
23) Nitrobenzene-d5	7.29	82	387743	29.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	261521	56.04	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	789395	24.20	ng	-0.01
79) Terphenyl-d14	12.82	244	847548	26.37	ng	-0.01
Target Compounds						
58) Fluorene	10.30	166	61279	2.137	ng	99
71) Phenanthrene	11.26	178	419198	9.301	ng	99
72) Anthracene	11.32	178	140556	2.979	ng	97
75) Fluoranthene	12.44	202	625066	12.944	ng	96
78) Pyrene	12.67	202	517254	9.847	ng	98
81) Benzo(a)anthracene	13.85	228	225306	5.217	ng	99
83) Chrysene	13.89	228	196485	4.645	ng	96
86) Indeno(1,2,3-cd)pyrene	16.62	276	86558m	2.400	ng	
88) Benzo(b)fluoranthene	14.87	252	236829m	6.202	ng	
89) Benzo(k)fluoranthene	14.90	252	101243m	2.927	ng	
90) Benzo(a)pyrene	15.21	252	179491	5.314	ng	98
92) Benzo(a,h,i)perylene	17.03	276	75634	2.613	ng	94

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

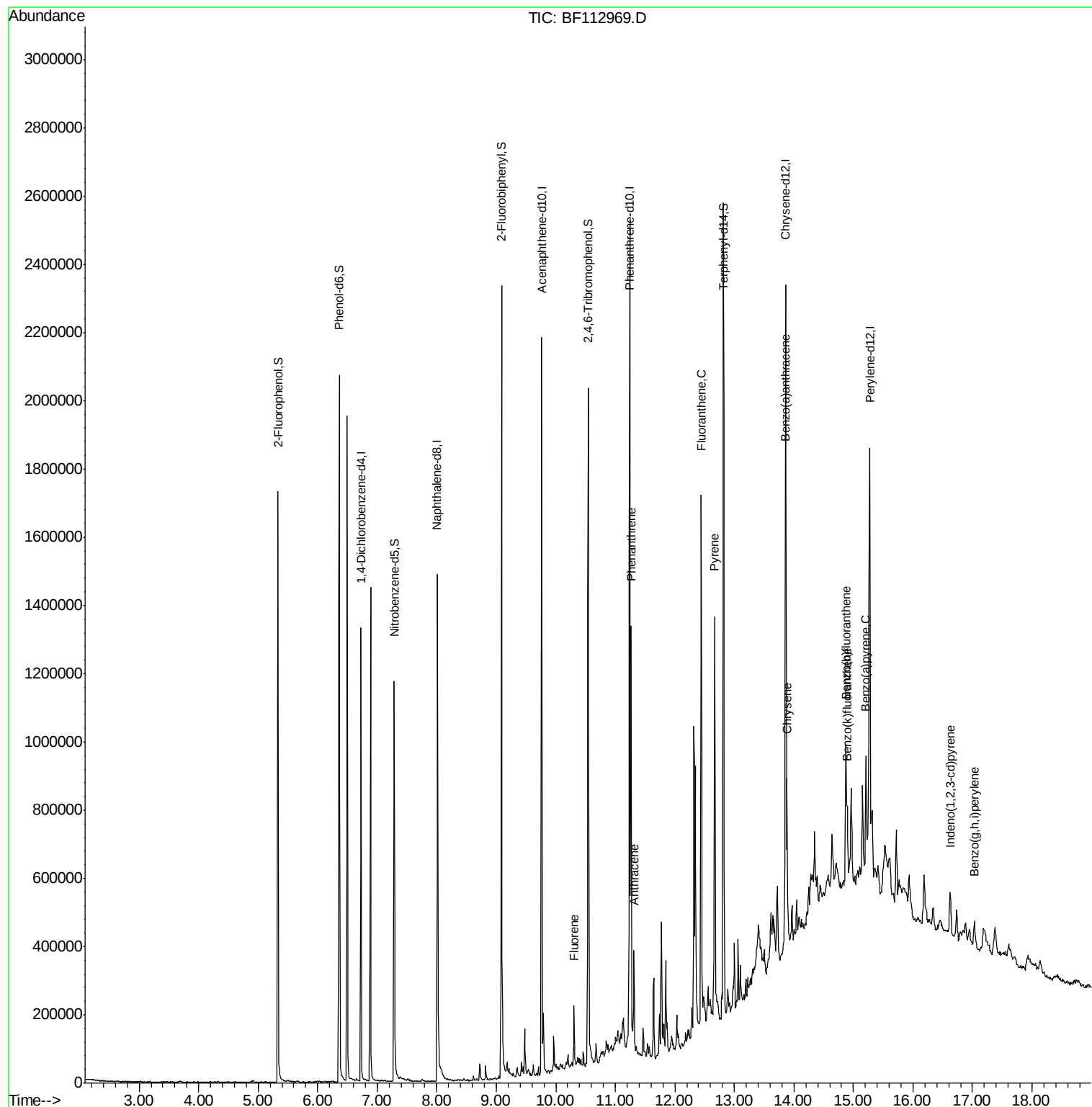
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
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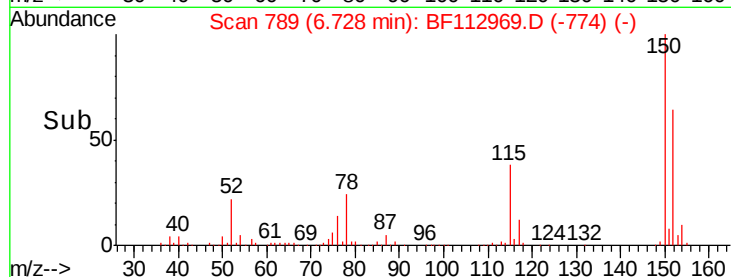
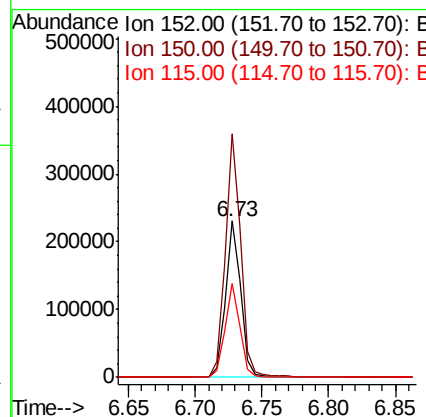
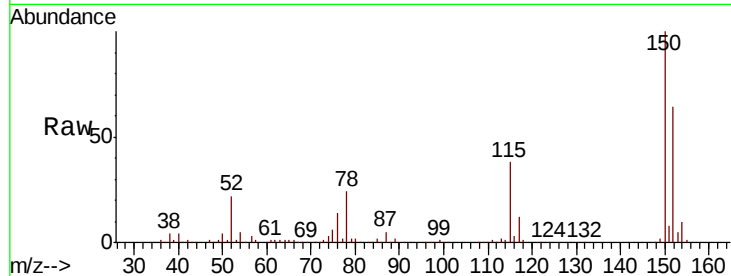
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.2	186.2
115	59.8	48.2	72.4

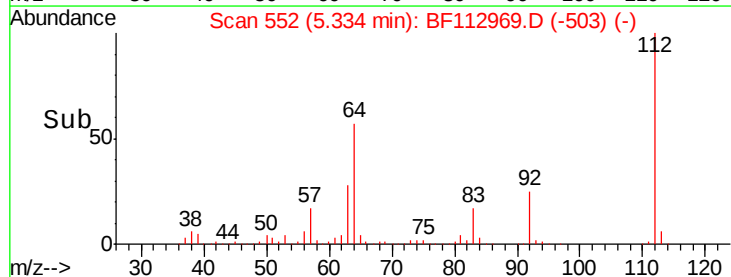
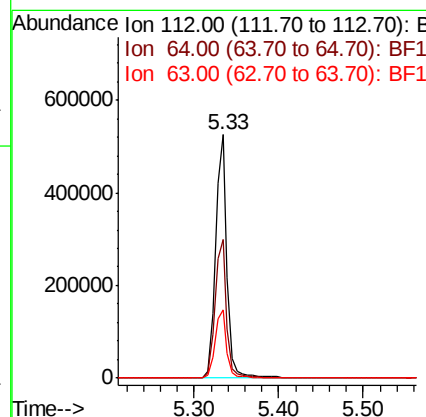
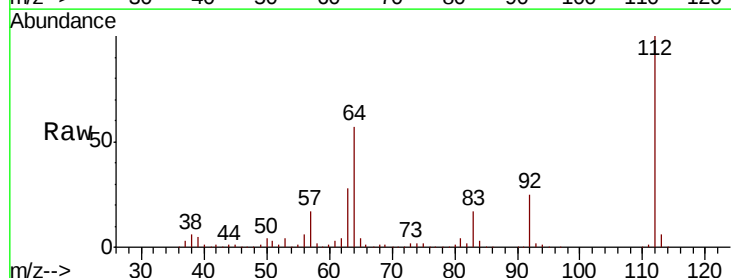
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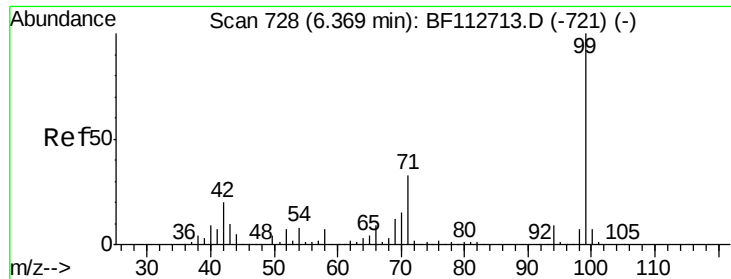
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#5
 2-Fluorophenol
 Concen: 42.066 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.6	71.4
63	28.2	24.4	36.6





#7

Phenol-d6

Concen: 44.799 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

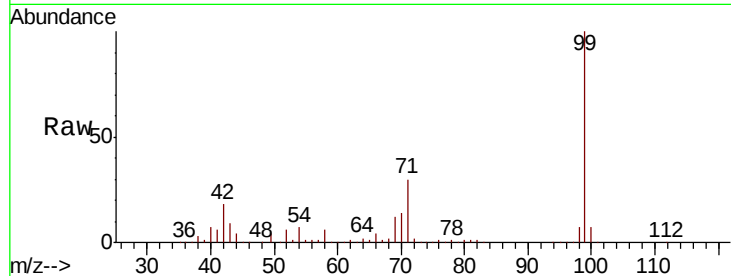
ClientSampleId :

CL-02-030819-A

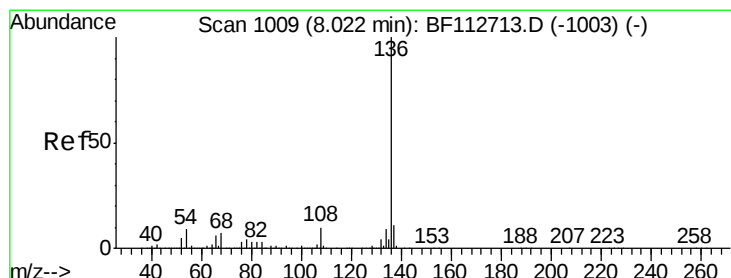
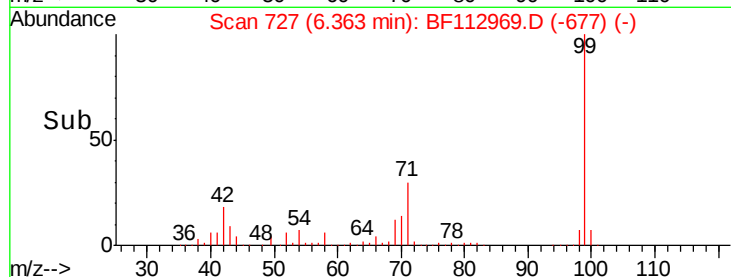
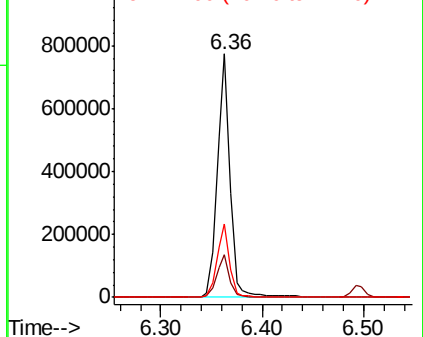
Tot Ion:	99	Resp:	676435
Ion Ratio	Lower	Upper	
99	100		
42	17.6	16.3	24.5
71	30.2	26.2	39.4

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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: 8.01 min Scan# 1007

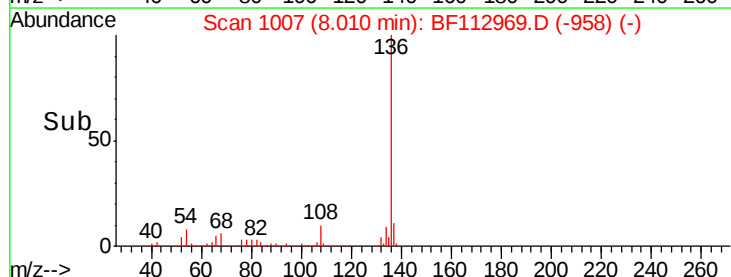
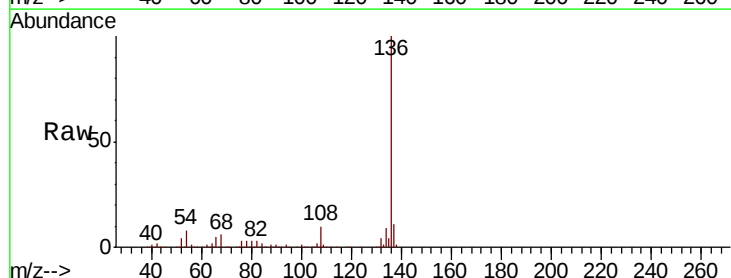
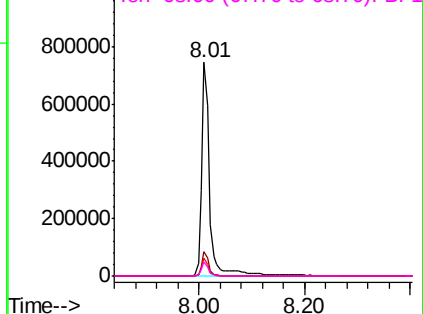
Delta R.T. -0.01 min

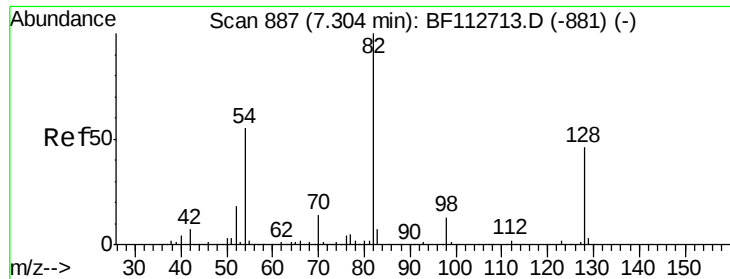
Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Tgt Ion:	136	Resp:	790779
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.3	7.3	10.9
68	6.3	5.4	8.2

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





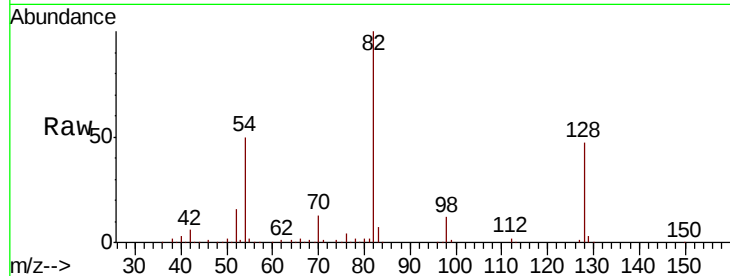
#23
Nitrobenzene-d5
Concen: 29.340 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.3	54.5
54	50.3	43.7	65.5

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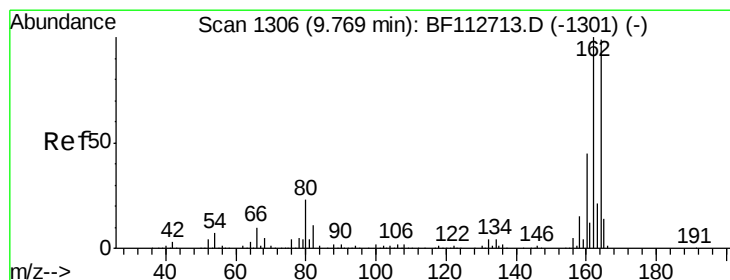
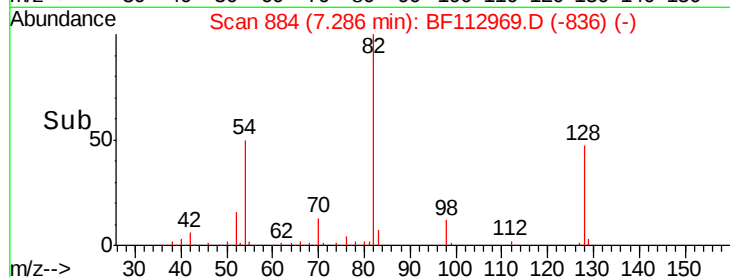
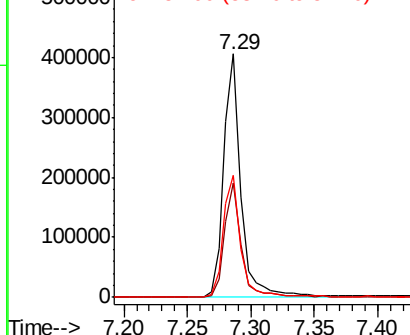


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

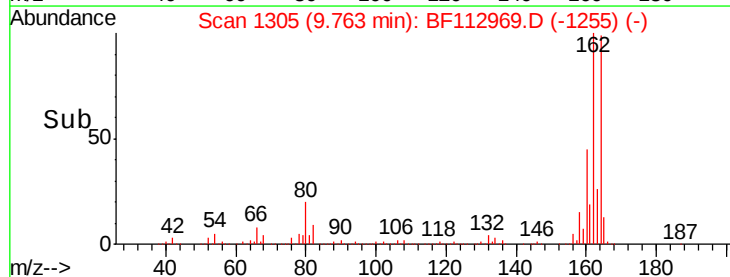
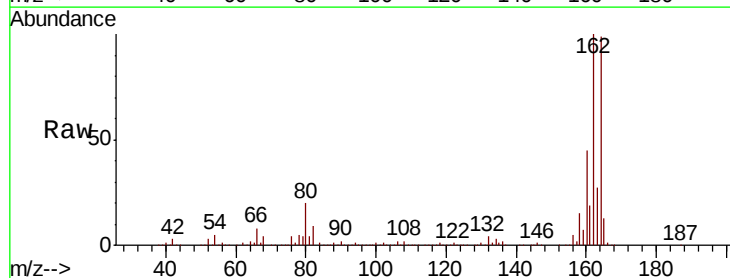
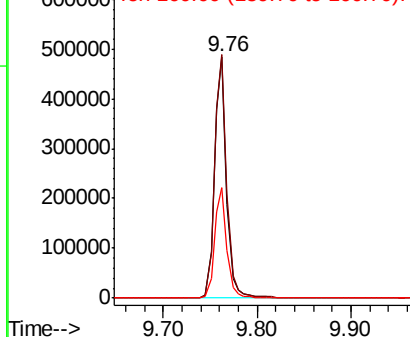
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	45.8	36.0	54.0

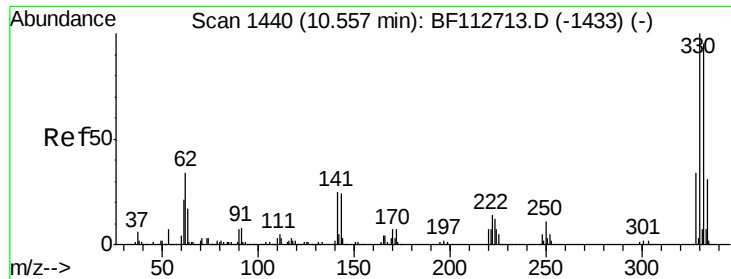
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





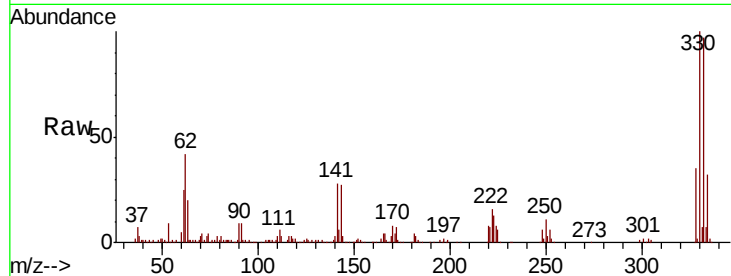
#42
 2,4,6-Tribromophenol
 Concen: 56.040 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	261521		
332	97.1	76.2	114.4	
141	28.5	27.0	40.6	

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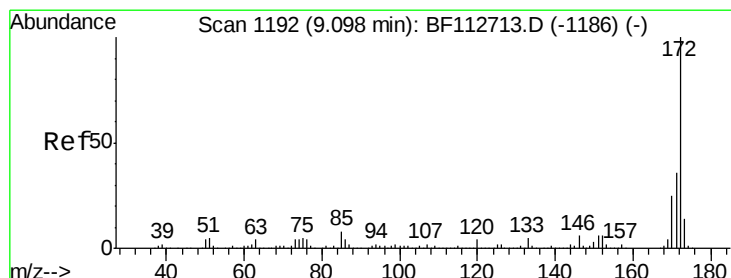
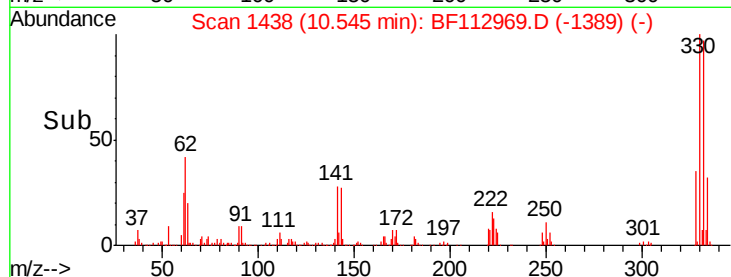
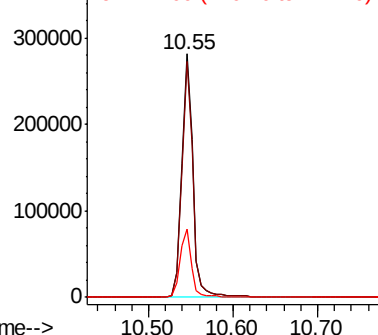


Abundance

Ion 329.80 (329.50 to 330.50): E

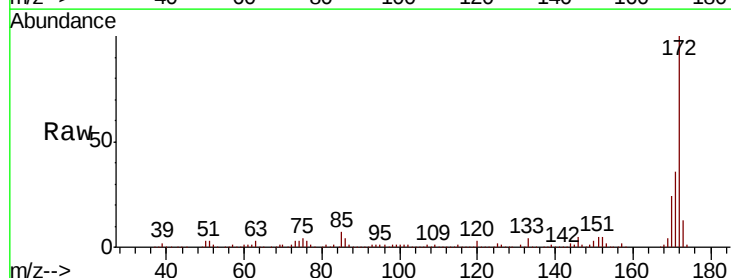
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 24.205 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112969.D
 Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	789395		
171	35.6	29.0	43.4	
170	23.7	20.0	30.0	

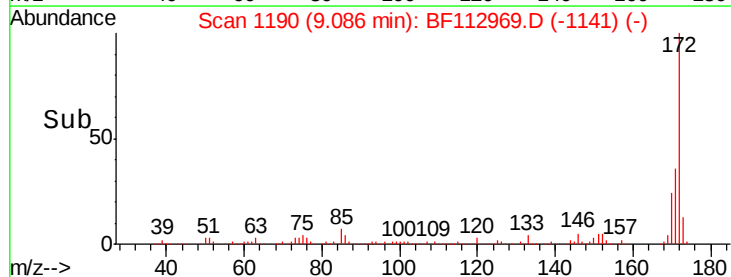
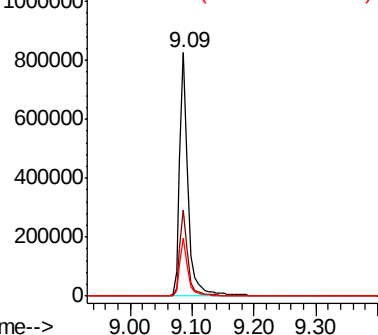


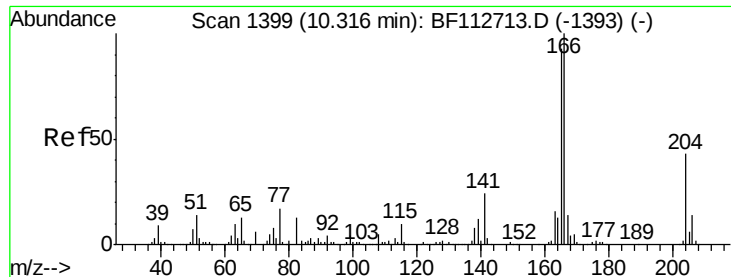
Abundance

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: 2.137 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-A

Tot Ion:166 Resp: 61279

Ion Ratio Lower Upper

166 100

165 94.2 74.7 112.1

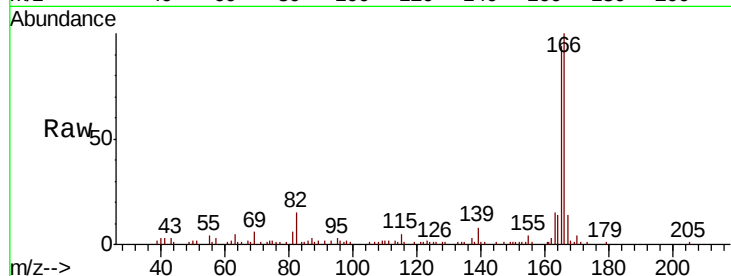
167 14.5 11.0 16.6

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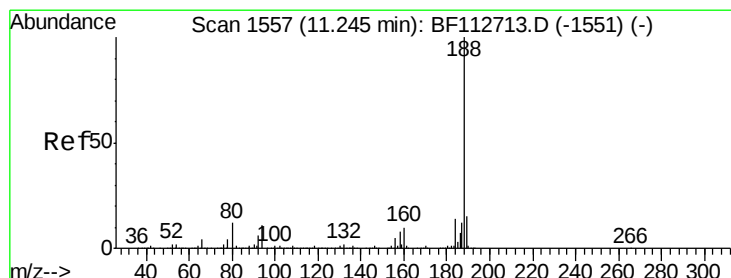
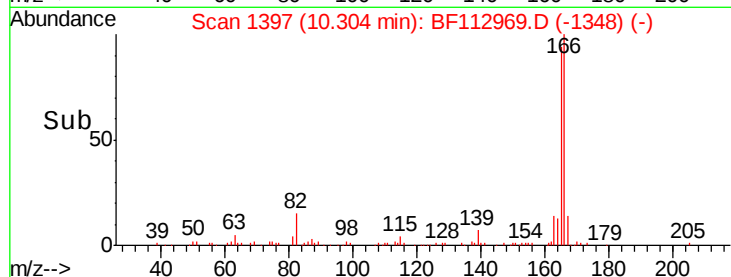
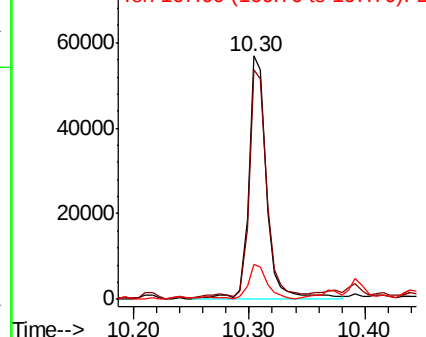
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

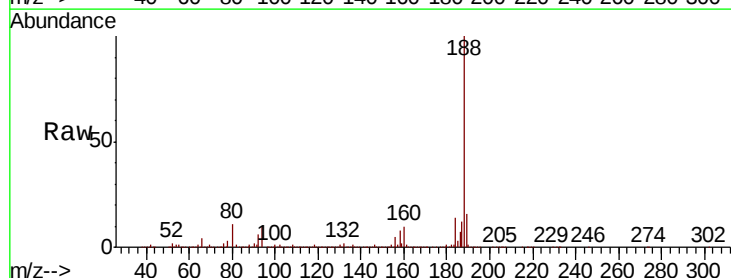
Tgt Ion:188 Resp: 905894

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

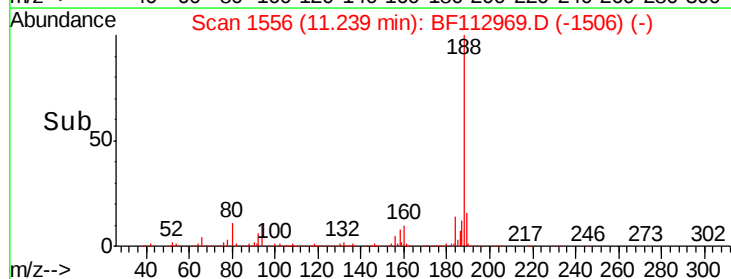
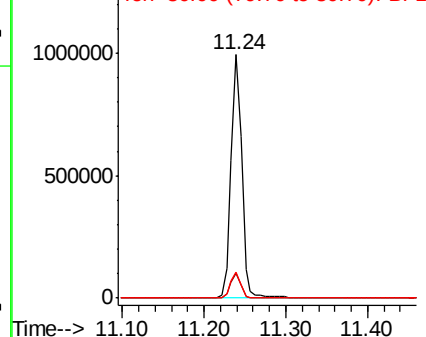
80 10.6 9.2 13.8

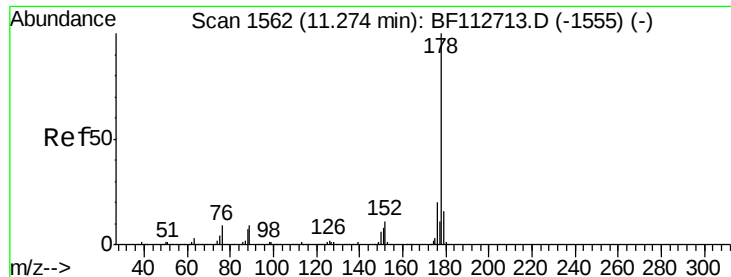


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 9.301 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

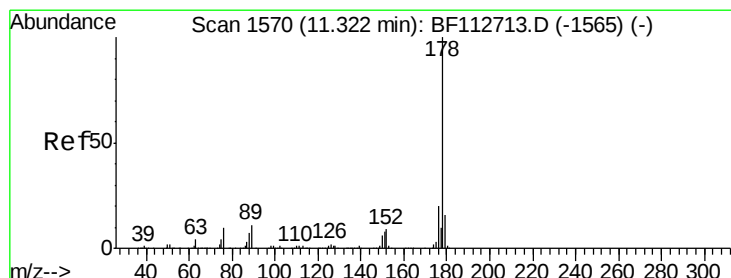
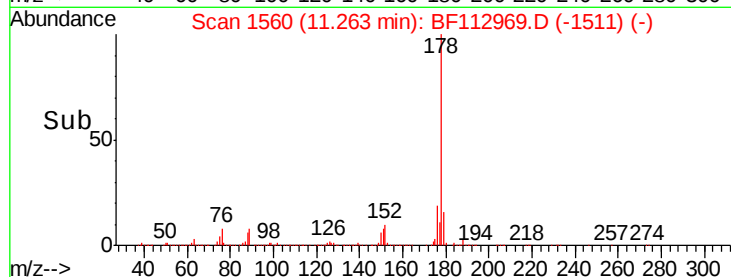
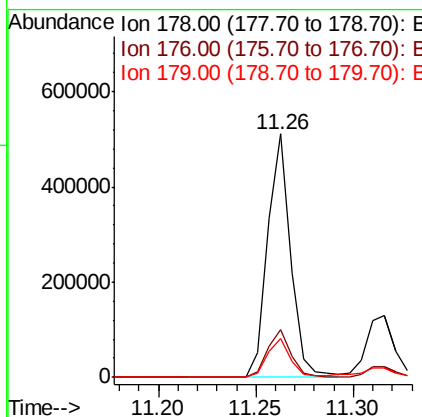
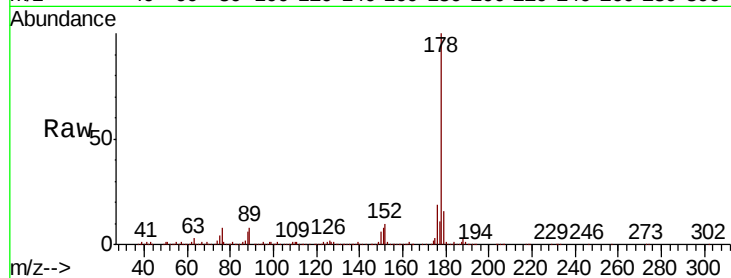
ClientSampleId :

CL-02-030819-A

Tot Ion:	178	Resp:	419198
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.3	24.5
179	15.9	12.7	19.1

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#72

Anthracene

Concen: 2.979 ng

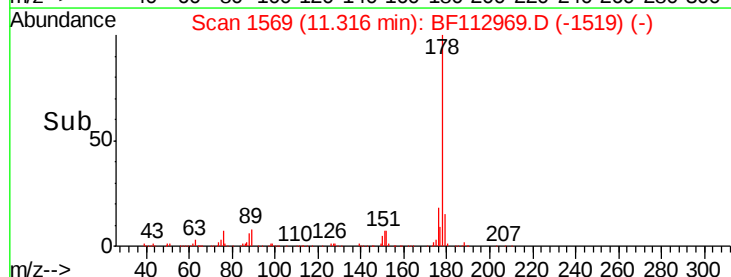
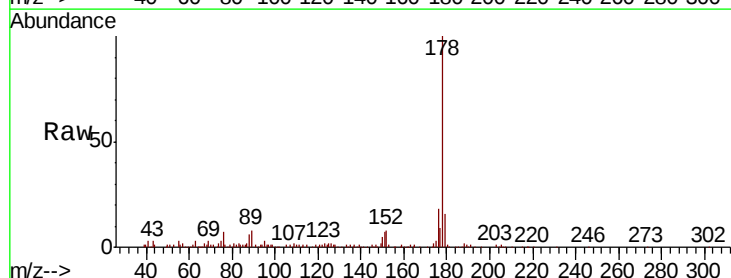
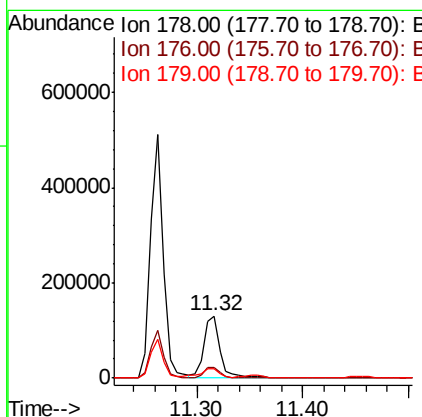
RT: 11.32 min Scan# 1569

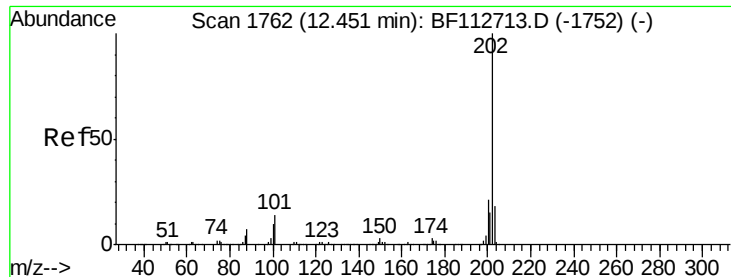
Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Tgt Ion:	178	Resp:	140556
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.8	23.6
179	15.6	13.0	19.6





#75

Fluoranthene

Concen: 12.944 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

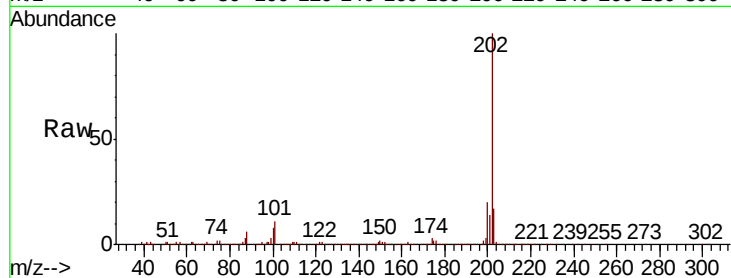
ClientSampleId :

CL-02-030819-A

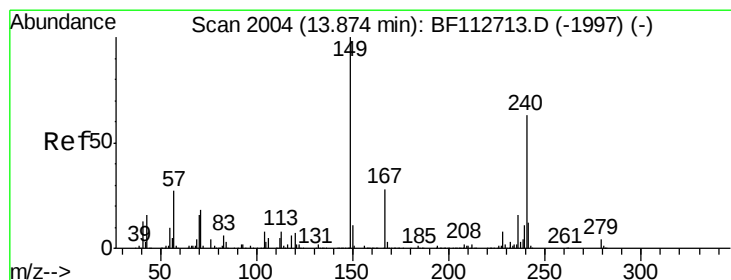
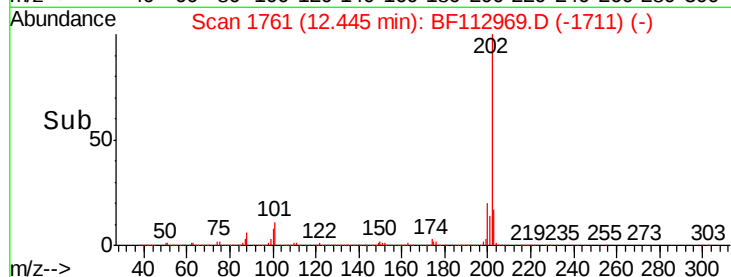
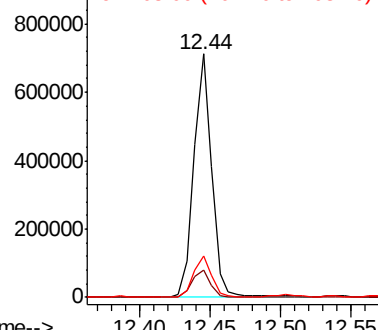
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		625066		
101	11.4	0.0	33.8		
203	17.1	0.0	38.4		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

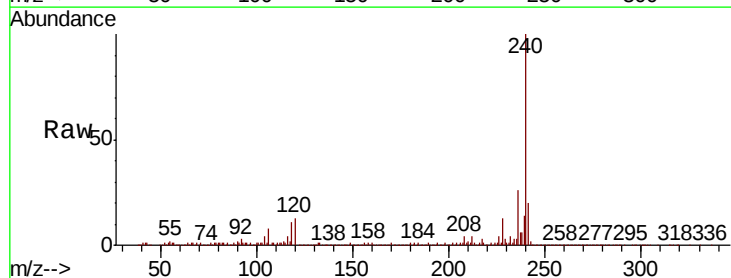
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

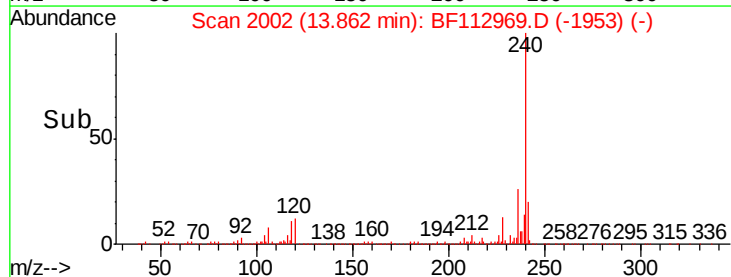
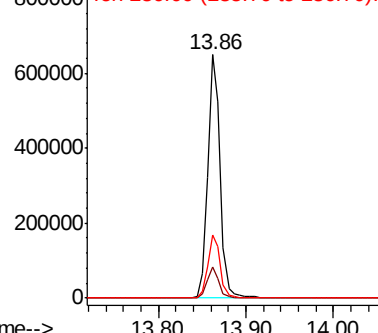
Lab File: BF112969.D

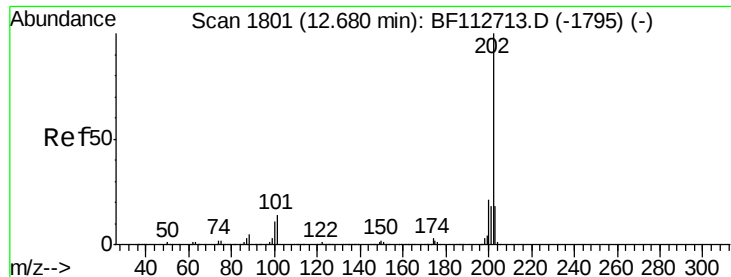
Acq: 11 Mar 2019 21:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		623092		
120	12.6	8.9	13.3		
236	26.0	20.7	31.1		



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





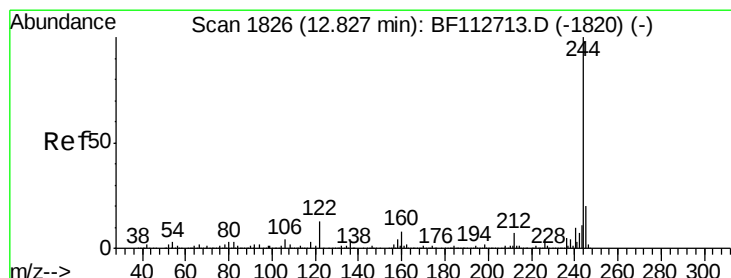
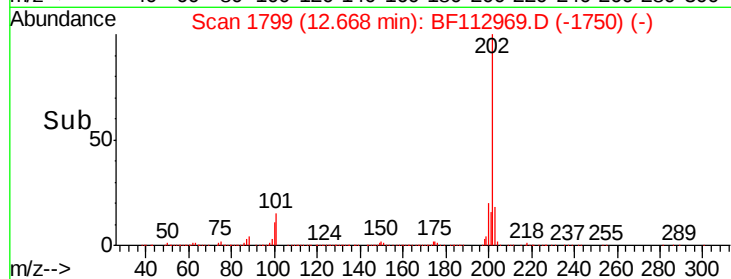
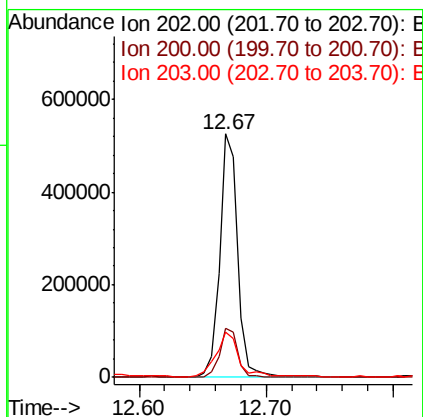
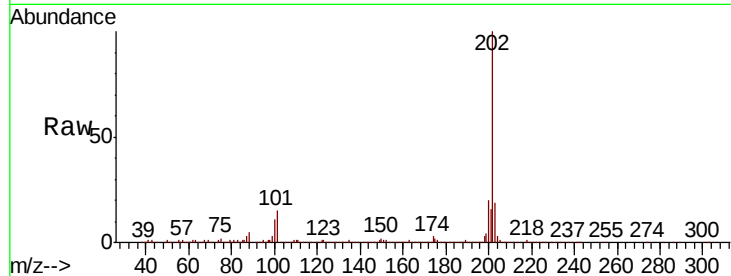
#78
Pvrene
Concen: 9.847 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	17.0	25.4
203	18.6	14.4	21.6

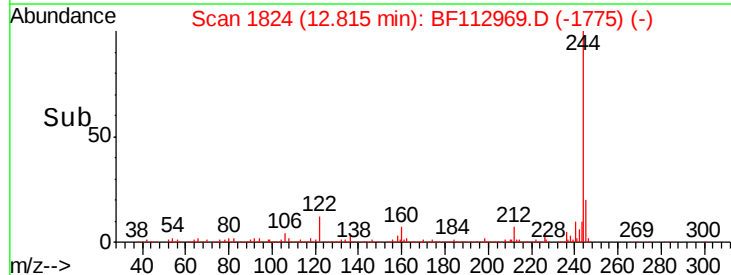
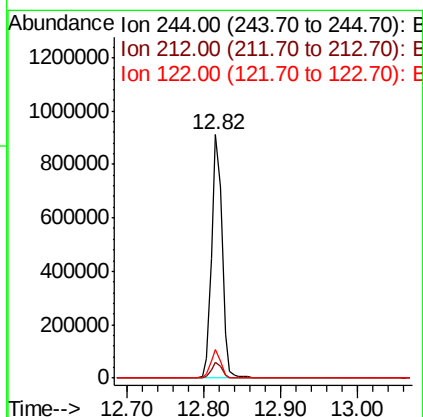
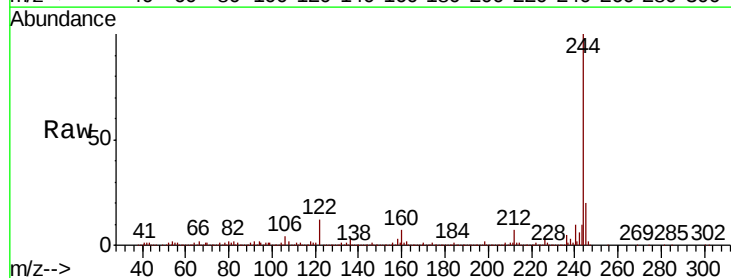
Manual Integrations
APPROVED

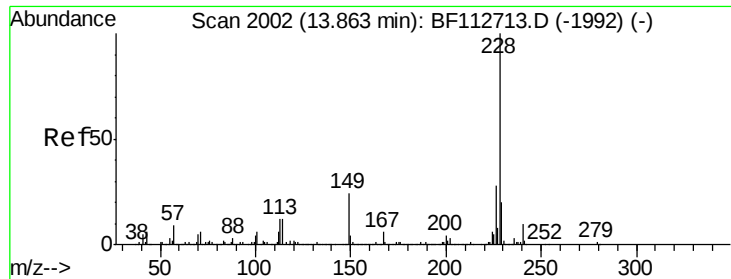
Sohil
3/12/2019 4:57:31 PM



#79
Terphenyl-d14
Concen: 26.368 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.6	8.4
122	11.6	10.5	15.7





#81

Benzo(a)anthracene

Concen: 5.217 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

Instrument :

BNA_F

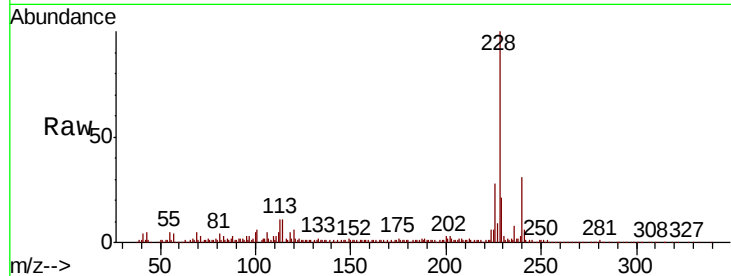
ClientSampleId :

CL-02-030819-A

Tot Ion:	228	Resp:	225306
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.2	33.4
229	20.8	16.0	24.0

Manual Integrations
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Sohil
3/12/2019 4:57:31 PM

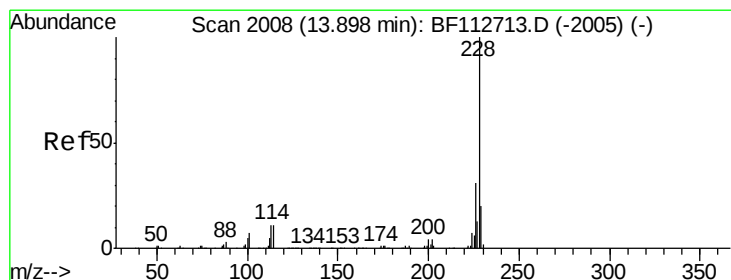
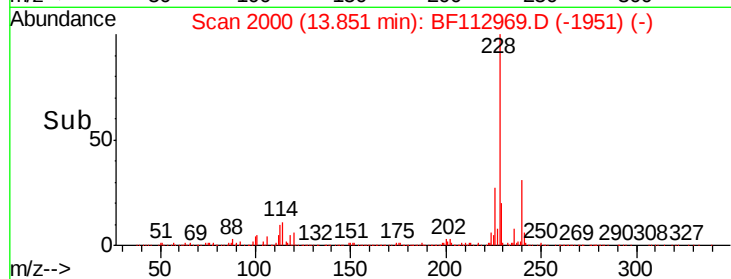
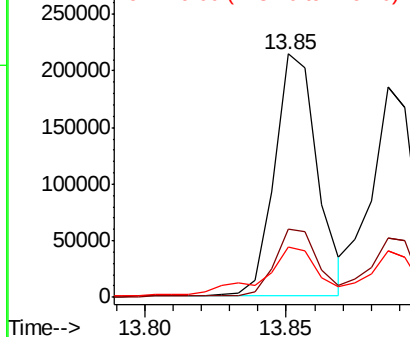


Abundance

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: 4.645 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112969.D

Acq: 11 Mar 2019 21:55

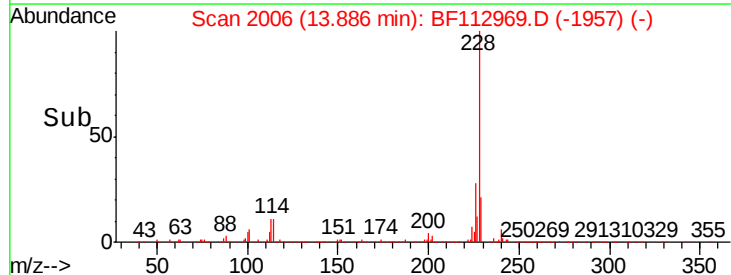
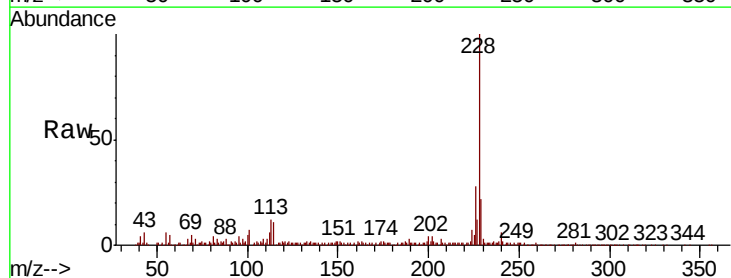
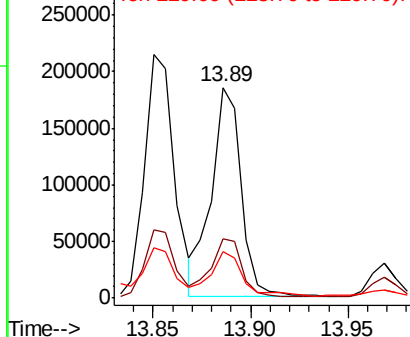
Tgt Ion:	228	Resp:	196485
Ion Ratio	Lower	Upper	
228	100		
226	28.3	24.9	37.3
229	22.1	16.3	24.5

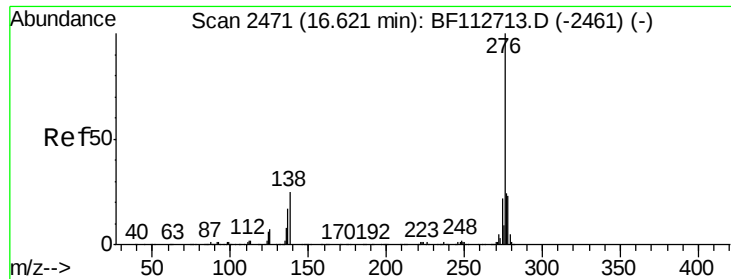
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





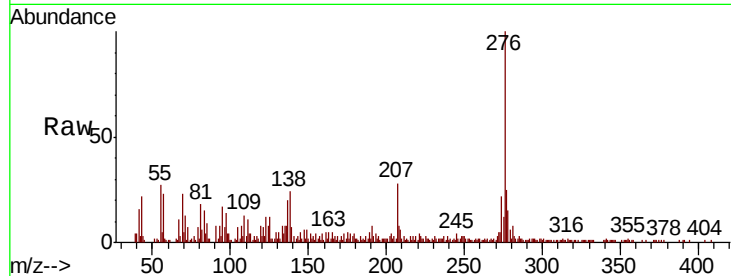
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.400 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.8	23.2	34.8#
277	0.8	19.9	29.9#

Manual Integrations
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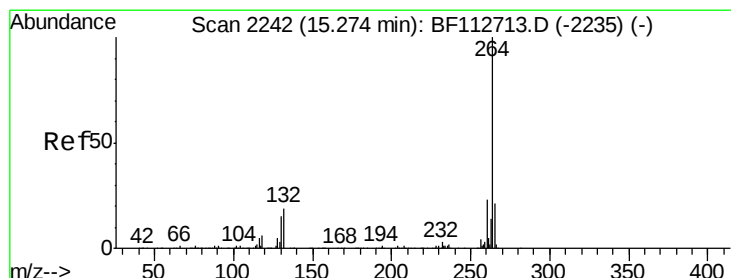
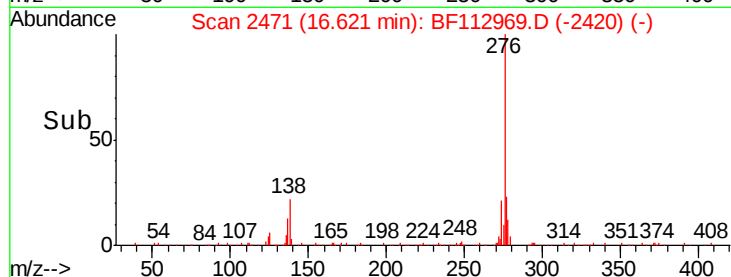
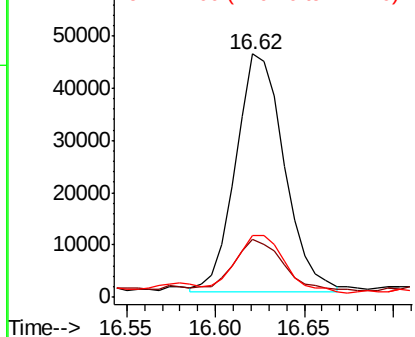


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

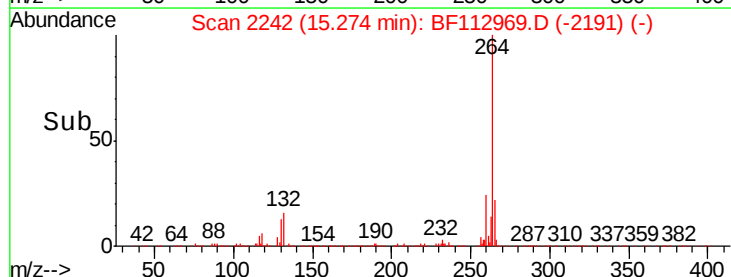
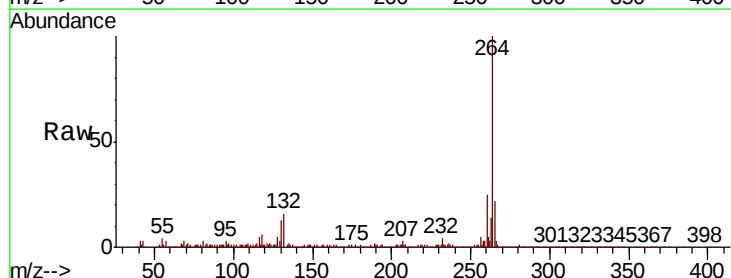
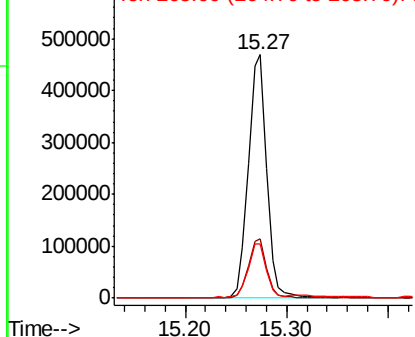
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.2	17.2	25.8

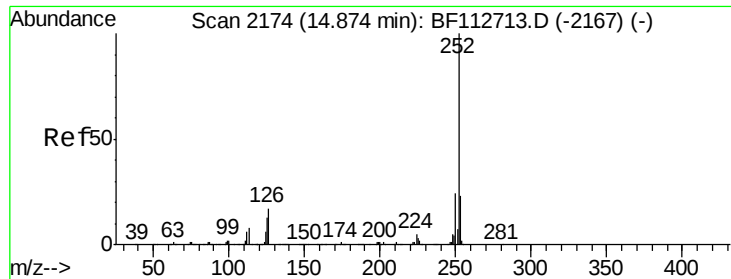
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





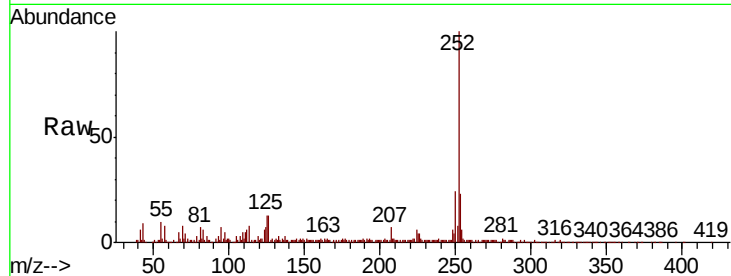
#88
Benzo(b)fluoranthene
Concen: 6.202 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	13.3	10.2	15.2

Manual Integrations
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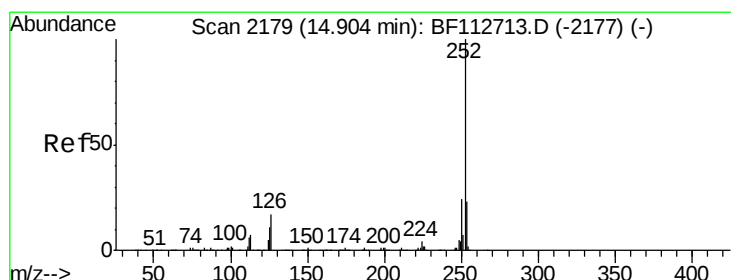
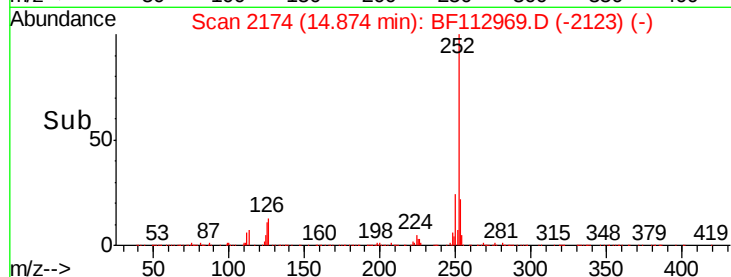
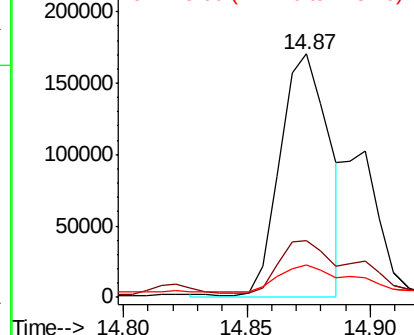


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 2.927 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

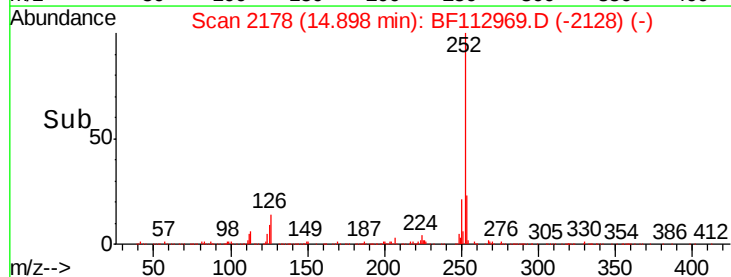
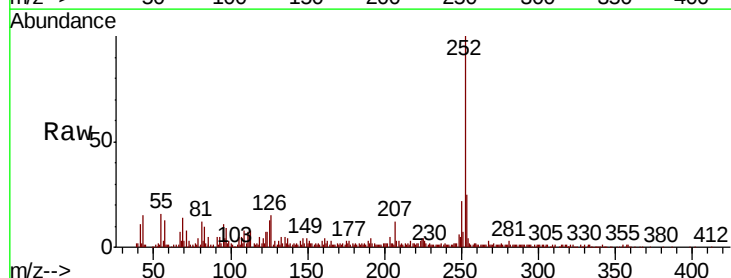
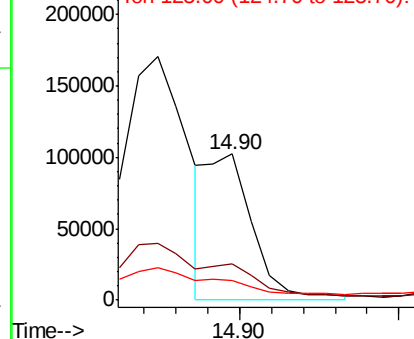
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	13.1	9.8	14.6

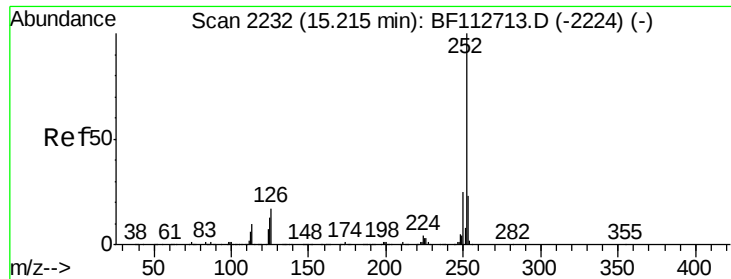
Abundance

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





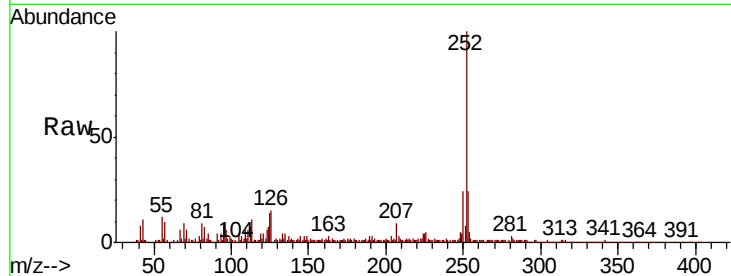
#90
Benzo(a)pyrene
Concen: 5.314 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	179491		
253	23.5	18.0	27.0	
125	14.1	10.7	16.1	

Manual Integrations
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Sohil
3/12/2019 4:57:31 PM

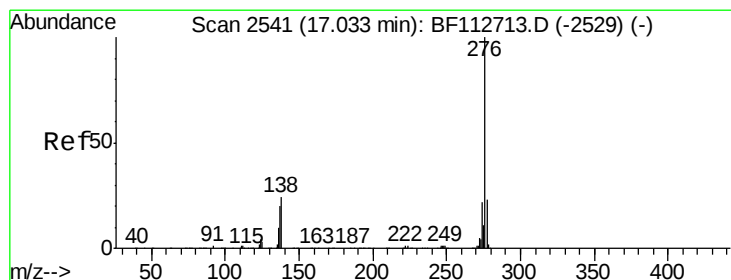
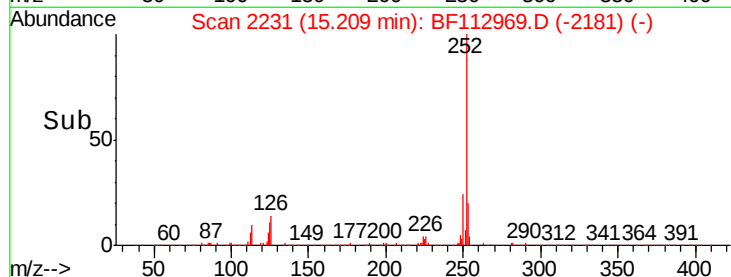
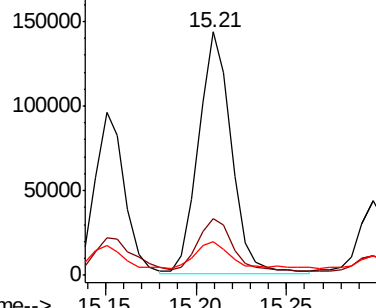


Abundance

Ion 252.00 (251.70 to 252.70): E

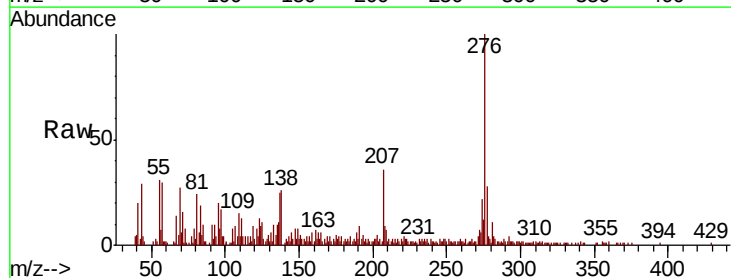
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.613 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.00 min
Lab File: BF112969.D
Acq: 11 Mar 2019 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	75634		
277	27.6	18.6	27.8	
138	25.5	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

