

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112158.D
 Acq On : 21 Jan 2019 15:01
 Operator : JU/SJ
 Sample : K1009-05 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-C

Manual Integrations
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Sohil
 1/22/2019 9:58:59 AM

Quant Time: Jan 21 16:50:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	278954	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	999971	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	394019	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	630267	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	553243	20.00	ng	0.00
87) Perylene-d12	15.49	264	404550	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	761300	49.53	ng	-0.01
7) Phenol-d6	6.49	99	929331	48.33	ng	-0.01
23) Nitrobenzene-d5	7.41	82	549000	37.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	180950	42.57	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1004721	37.38	ng	0.00
79) Terphenyl-d14	12.96	244	816709	31.40	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	66711	3.174	ng	Qvalue # 75
31) Naphthalene	8.16	128	116360	2.558	ng	96
37) 2-Methylnaphthalene	8.85	142	85597	2.772	ng	98
38) 1-Methylnaphthalene	8.95	142	77549	2.613	ng	97
49) Acenaphthylene	9.75	152	126696	3.366	ng	96
50) Dimethylphthalate	9.60	163	75858	2.640	ng	100
52) Acenaphthene	9.92	154	94852	4.119	ng	98
55) Dibenzofuran	10.09	168	102105	2.932	ng	95
58) Fluorene	10.43	166	154065	5.922	ng	98
71) Phenanthrene	11.40	178	787734	24.835	ng	98
72) Anthracene	11.45	178	295065	9.183	ng	97
75) Fluoranthene	12.59	202	1189913	35.531	ng	100
78) Pyrene	12.82	202	1172915	32.134	ng	99
81) Benzo(a)anthracene	14.01	228	596619	18.808	ng	95
83) Chrysene	14.04	228	525962	17.523	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	234777	8.478	ng	94
88) Benzo(b)fluoranthene	15.06	252	568602m	24.761	ng	
89) Benzo(k)fluoranthene	15.09	252	196939m	8.861	ng	
90) Benzo(a)pyrene	15.43	252	412440	19.584	ng	# 95
91) Dibenzo(a,h)anthracene	16.98	278	57419	3.070	ng	# 76
92) Benzo(g,h,i)perylene	17.42	276	229847	12.473	ng	98

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

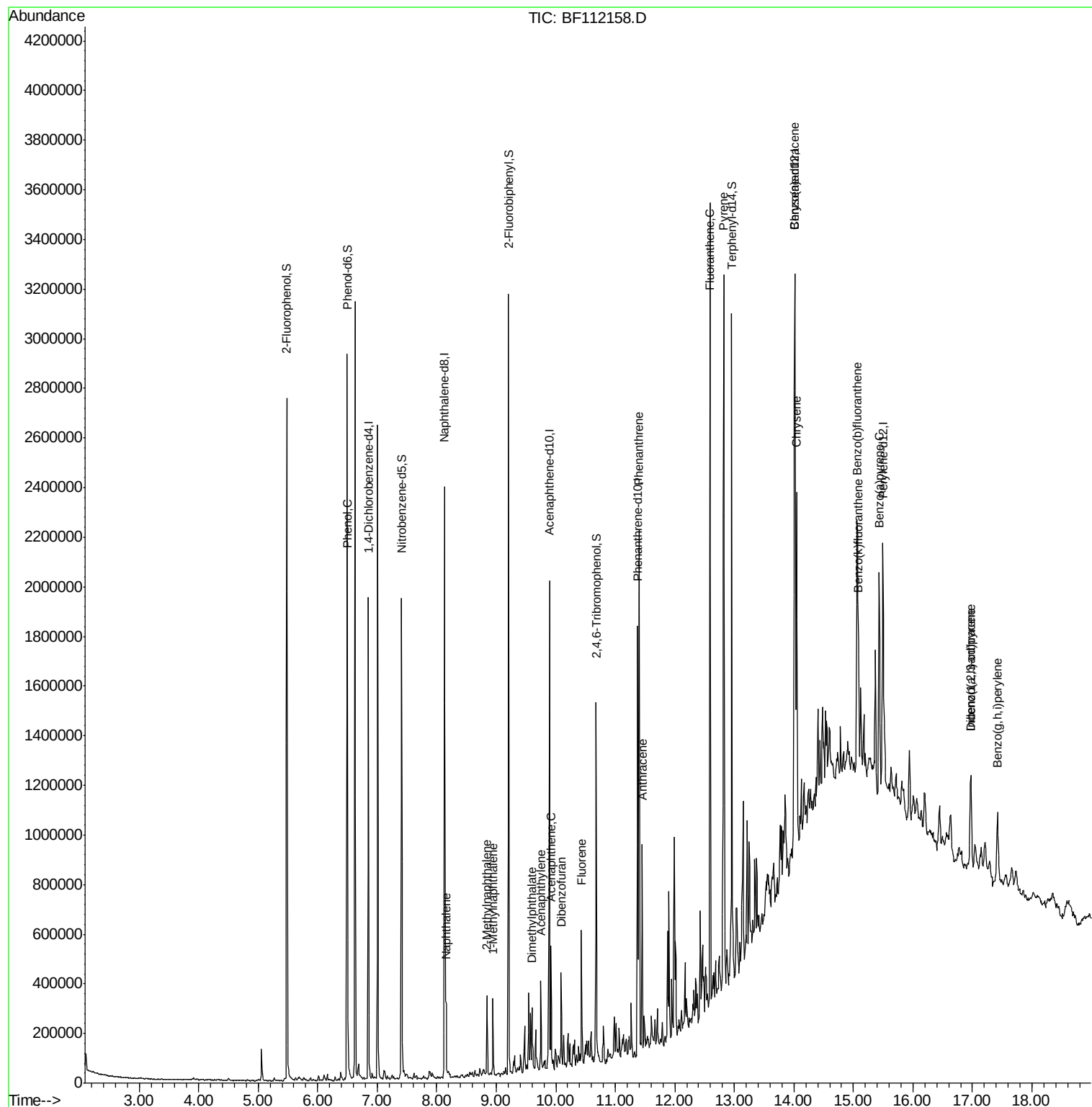
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
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Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

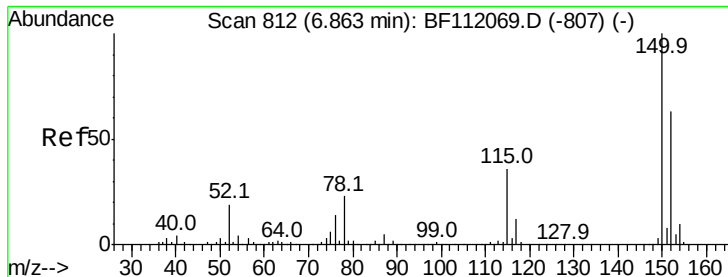
Instrument :
BNA_F
ClientSampled :
CL-01-011819-C

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1/22/2019 9:58:59 AM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

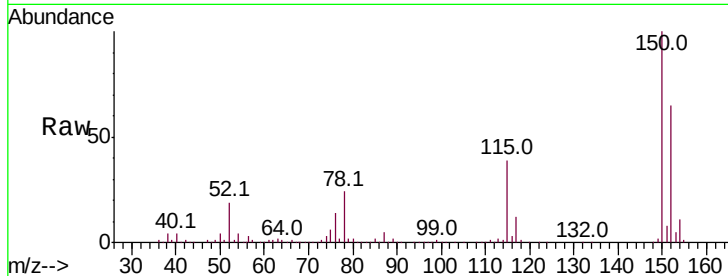
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112158.D
 Acq: 21 Jan 2019 15:01

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	127.4	191.0
115	59.7	45.5	68.3

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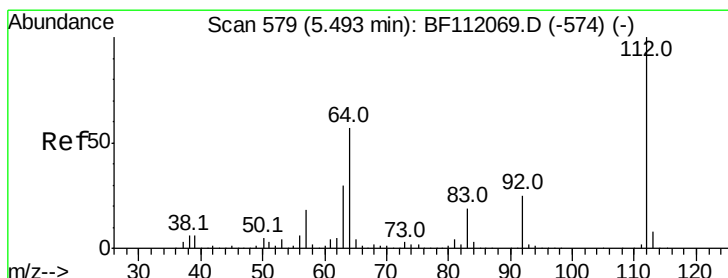
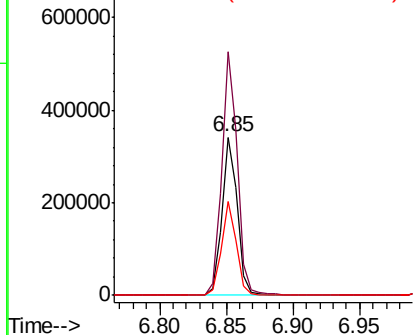
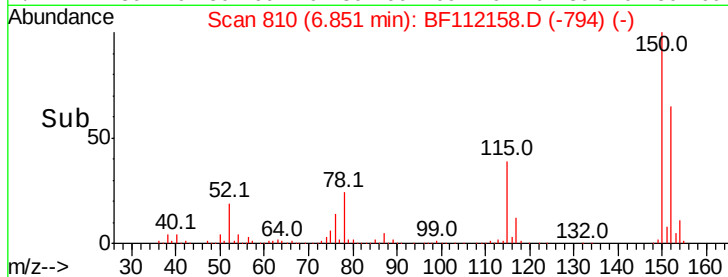


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

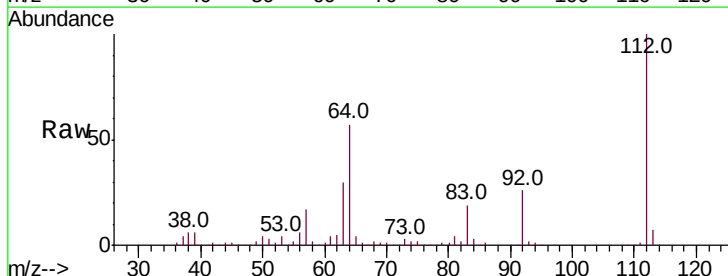
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 49.535 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF112158.D
 Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.7	68.5
63	29.5	23.6	35.4

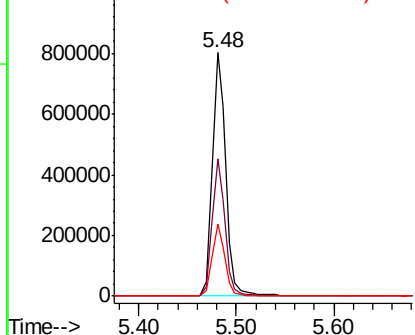
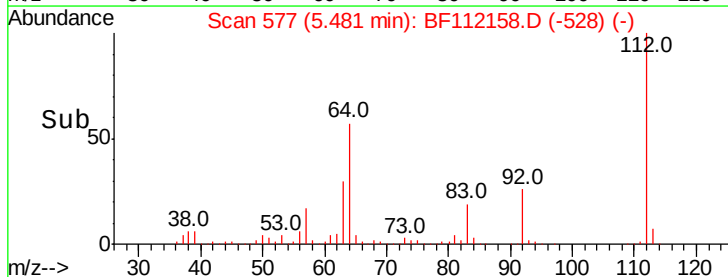


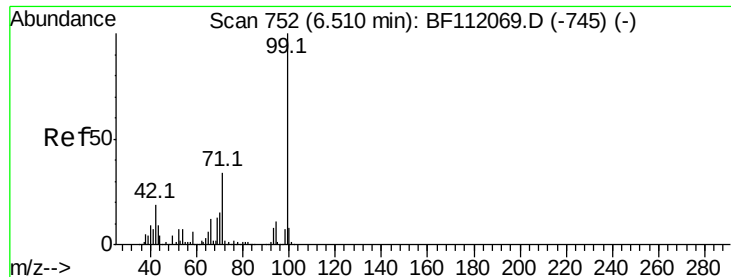
Abundance

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: 48.330 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Instrument :

BNA_F

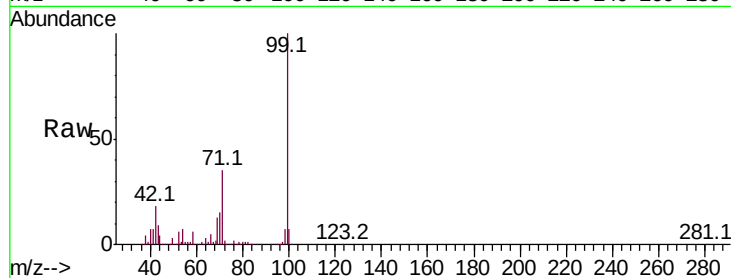
ClientSampleId :

CL-01-011819-C

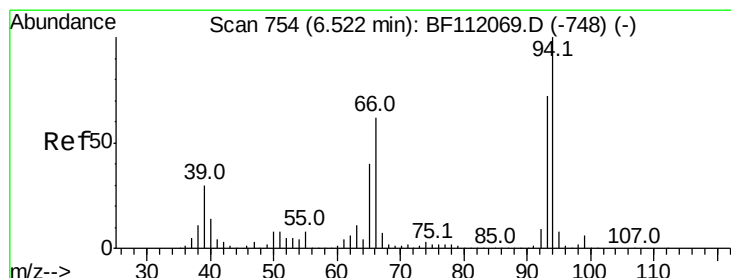
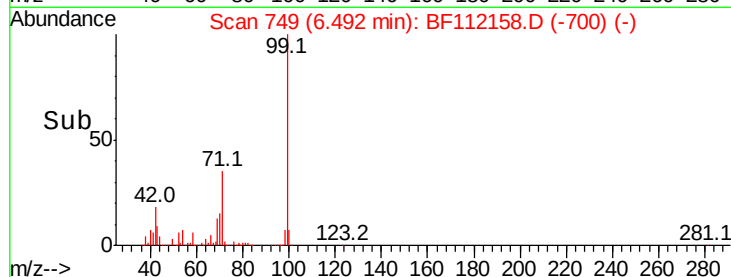
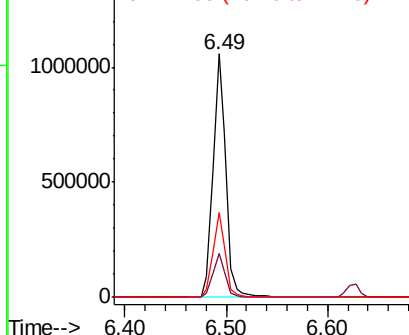
Tot Ion:	99	Resp:	929331
Ion Ratio	Lower	Upper	
99	100		
42	18.1	15.1	22.7
71	34.7	26.9	40.3

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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



#10

Phenol

Concen: 3.174 ng

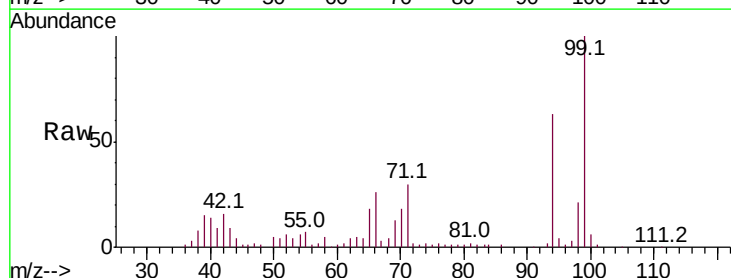
RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

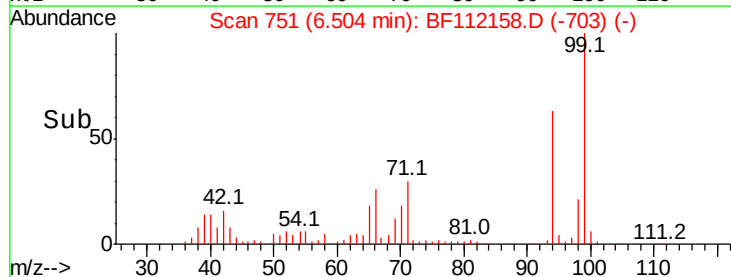
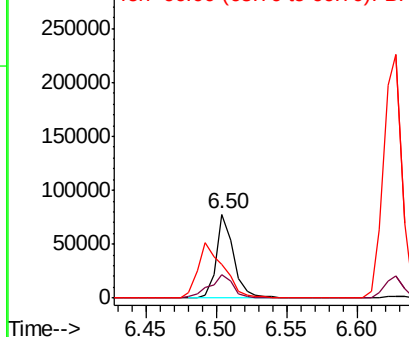
Lab File: BF112158.D

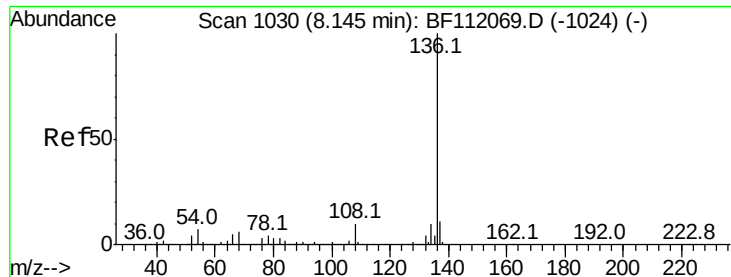
Acq: 21 Jan 2019 15:01

Tgt Ion:	94	Resp:	66711
Ion Ratio	Lower	Upper	
94	100		
65	27.8	20.3	60.3
66	40.7	42.4	82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





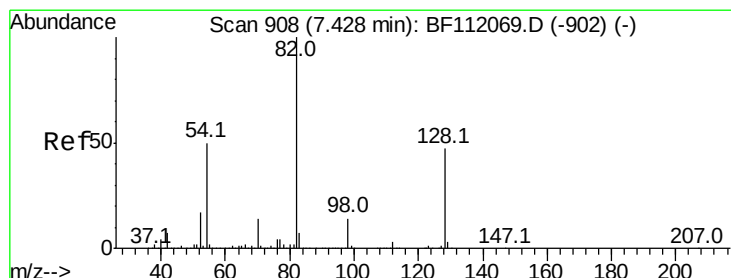
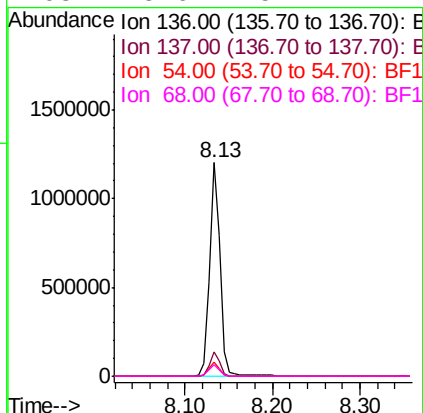
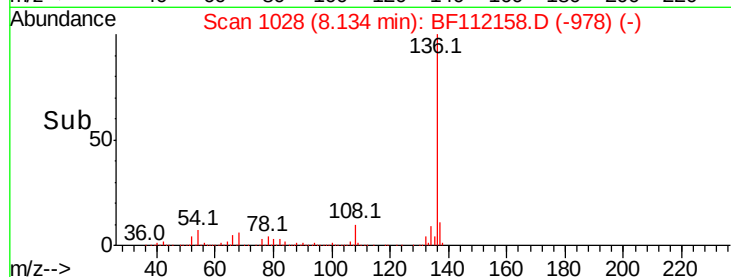
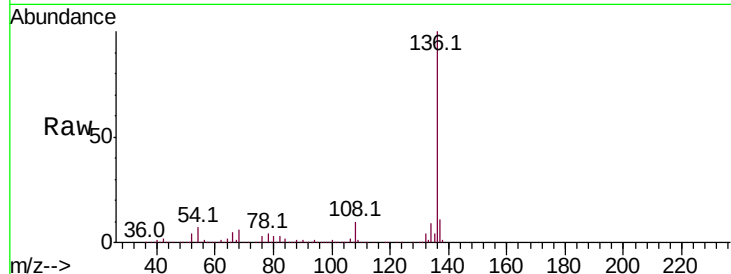
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100	999971		
137	11.5	9.1	13.7	
54	6.8	5.9	8.9	
68	5.6	5.1	7.7	

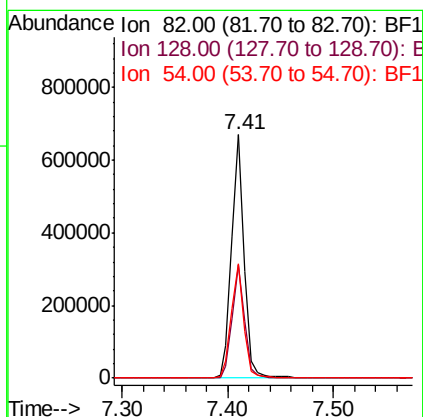
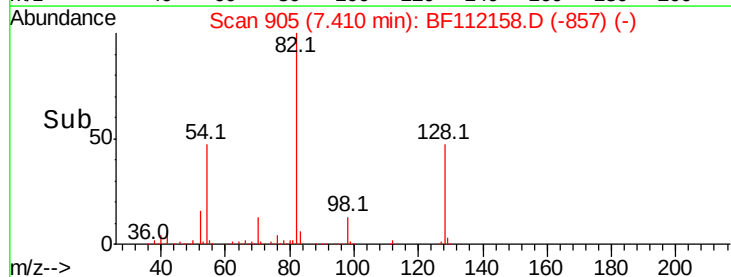
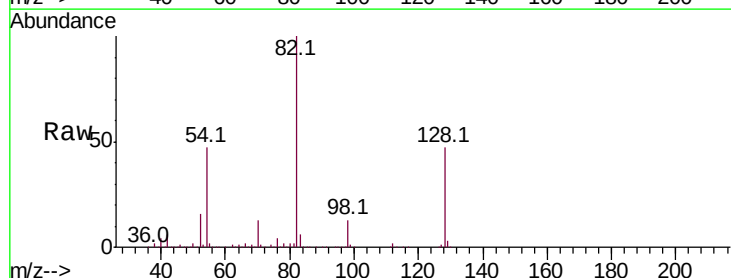
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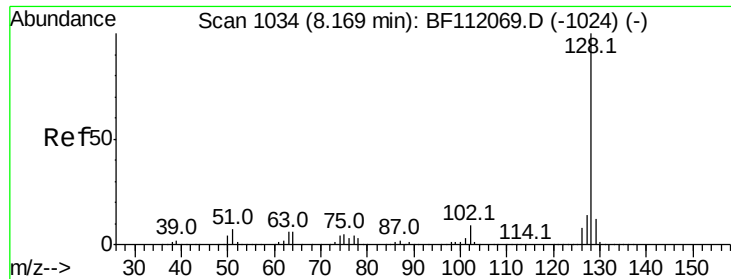
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#23
Nitrobenzene-d5
Concen: 37.931 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	549000		
128	46.7	37.8	56.8	
54	47.0	39.7	59.5	





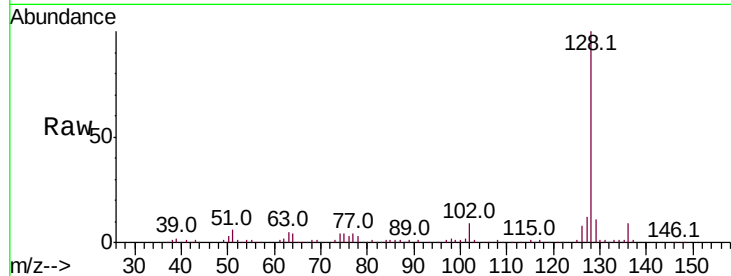
#31
Naphthalene
Concen: 2.558 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.6	14.4
127	12.5	11.1	16.7

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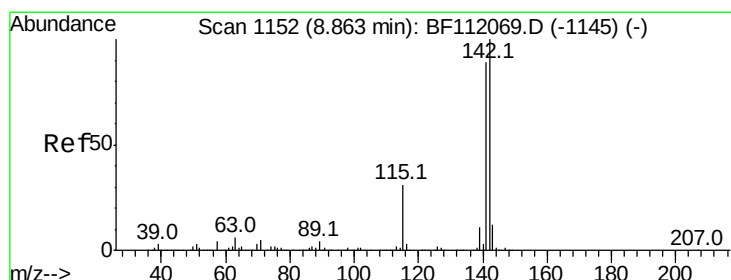
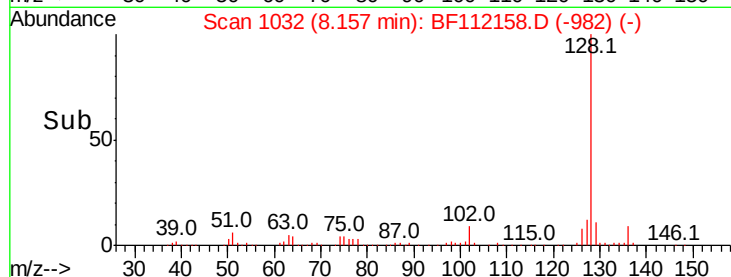
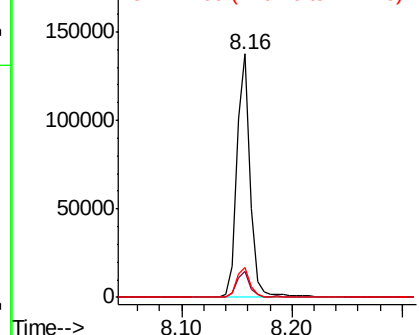


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 2.772 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

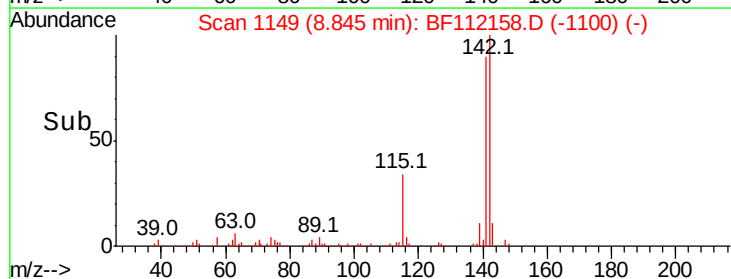
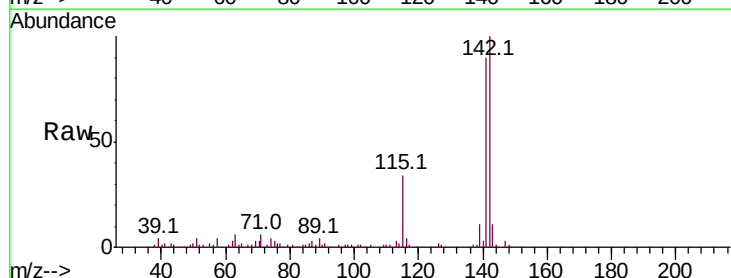
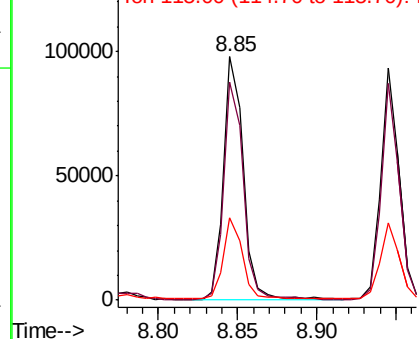
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.9	106.3
115	34.0	24.9	37.3

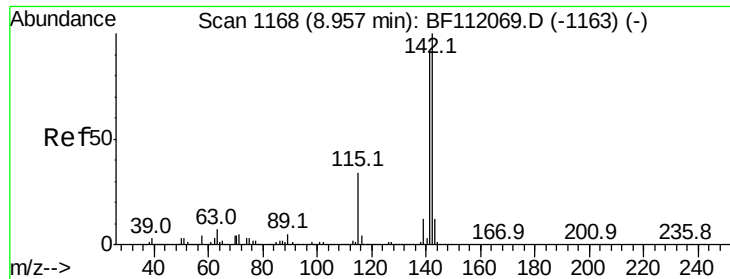
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





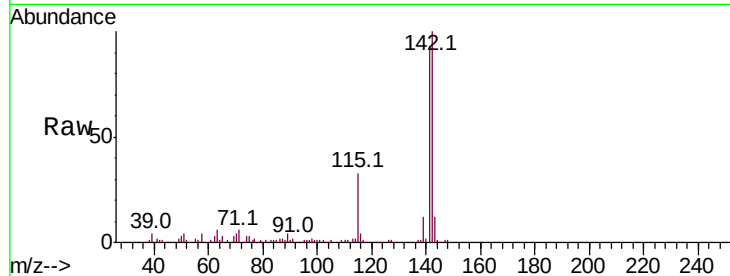
#38
1-Methylnaphthalene
Concen: 2.613 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.6	108.8
116	3.9	2.8	4.2

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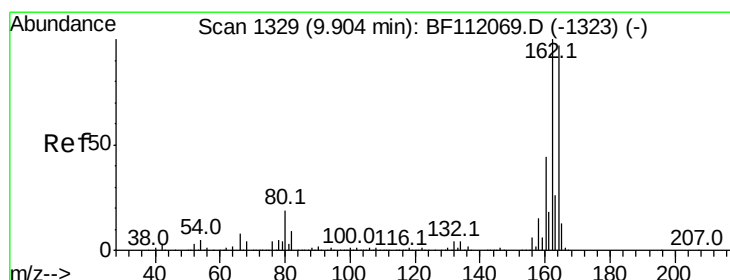
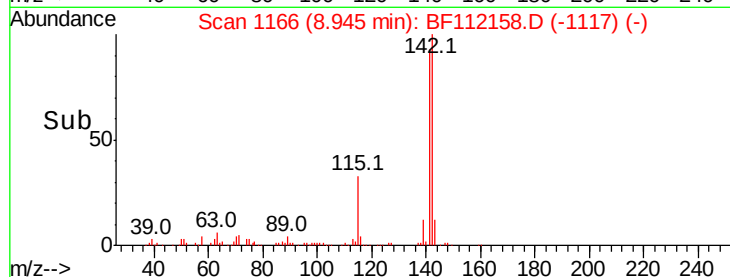
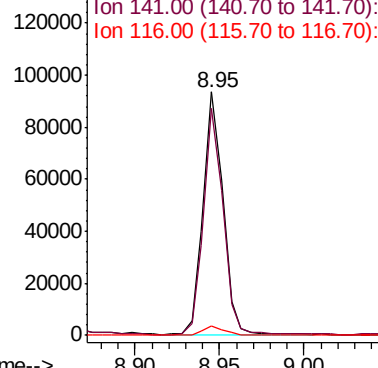


Abundance

Ion 142.00 (141.70 to 142.70): E

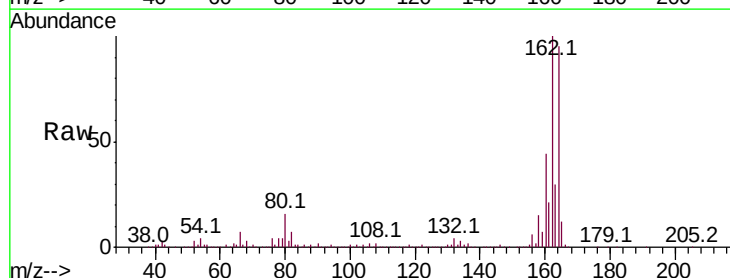
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.2	123.4
160	46.9	36.2	54.4

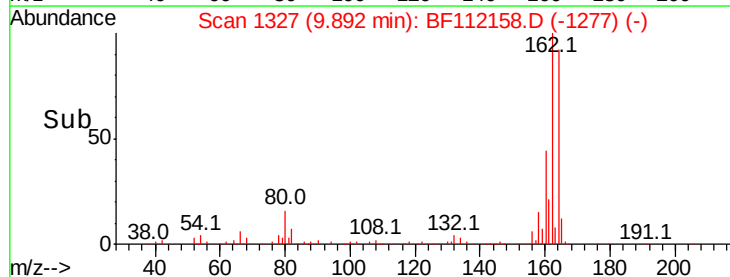
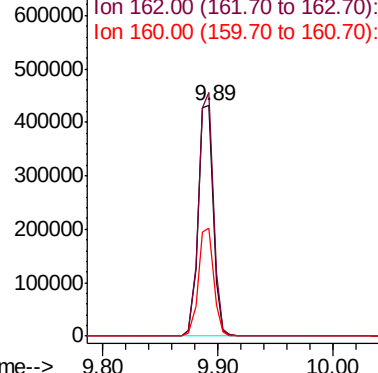


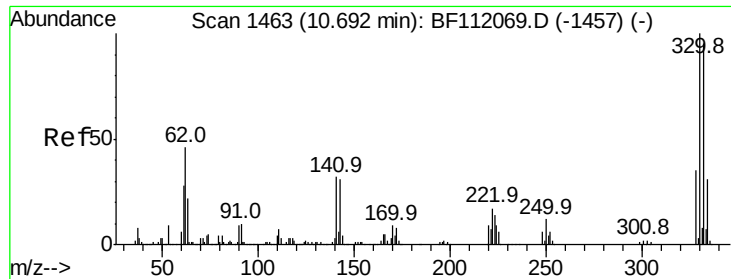
Abundance

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: 42.570 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Instrument :

BNA_F

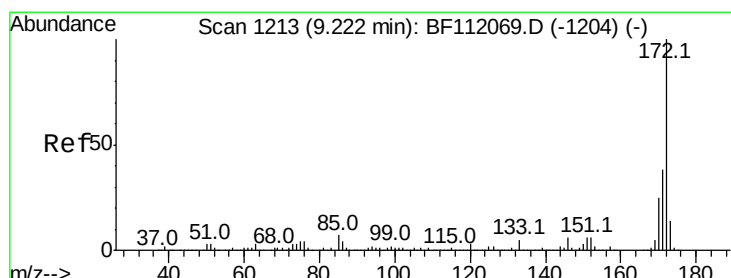
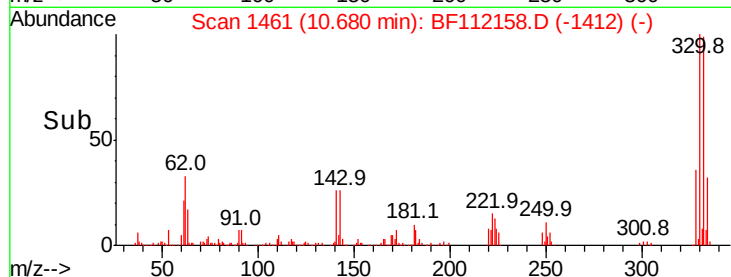
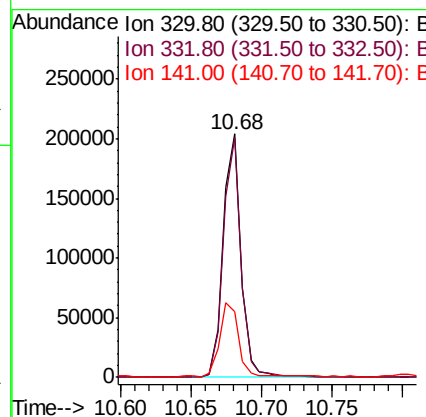
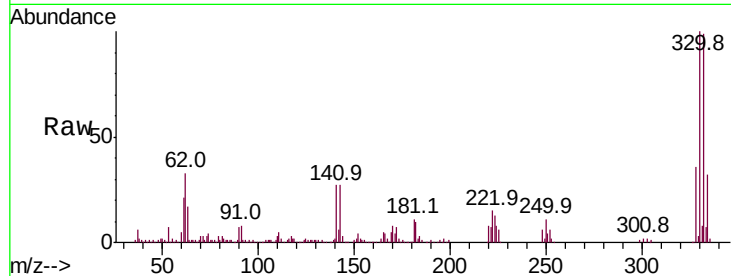
ClientSampled :

CL-01-011819-C

Tot Ion:	330	Resp:	180950
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.6	114.8
141	32.3	24.3	36.5

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#45

2-Fluorobiphenyl

Concen: 37.385 ng

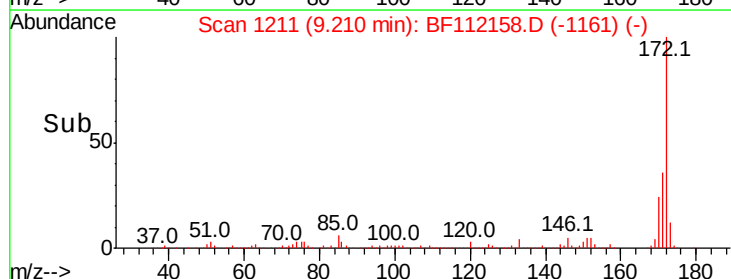
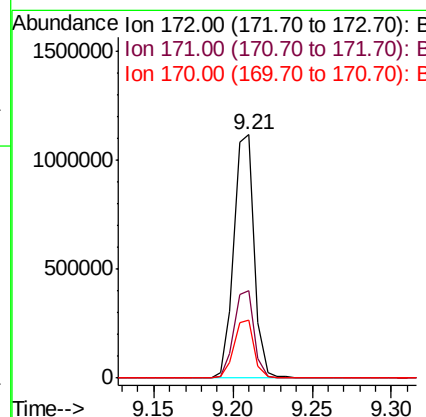
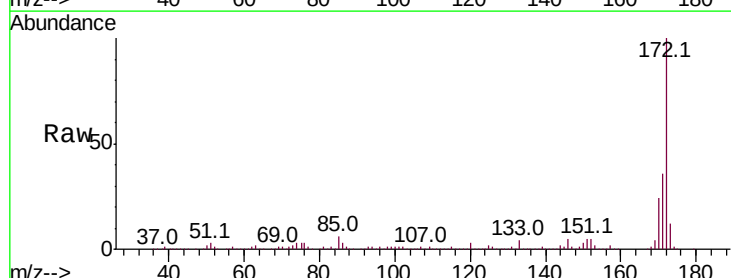
RT: 9.21 min Scan# 1211

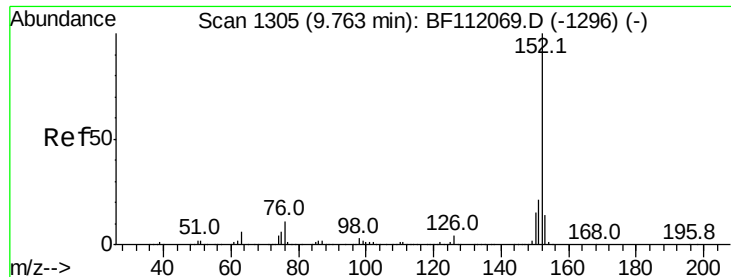
Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Tgt Ion:	172	Resp:	1004721
Ion Ratio	Lower	Upper	
172	100		
171	35.8	30.5	45.7
170	23.6	20.2	30.4





#49

Acenaphthylene

Concen: 3.366 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Instrument :

BNA_F

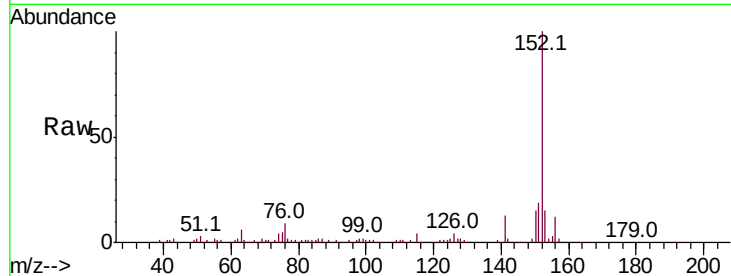
ClientSampleId :

CL-01-011819-C

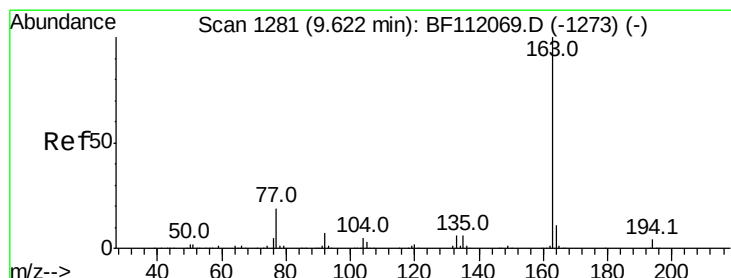
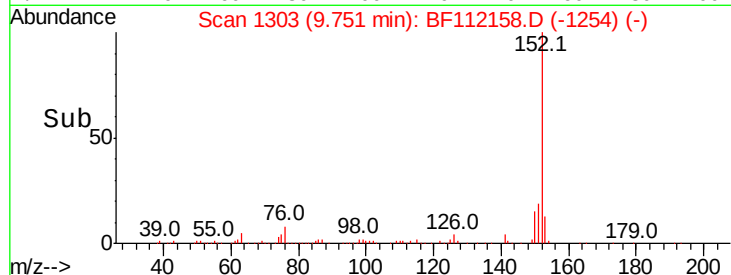
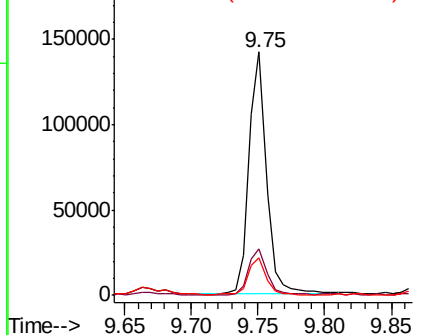
Tot Ion:	152	Resp:	126696
Ion Ratio	Lower	Upper	
152	100		
151	19.1	17.0	25.6
153	15.4	11.2	16.8

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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: 2.640 ng

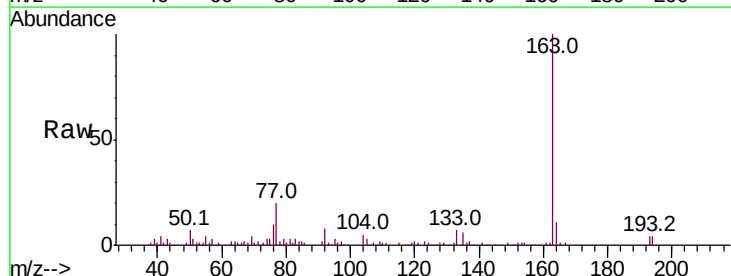
RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

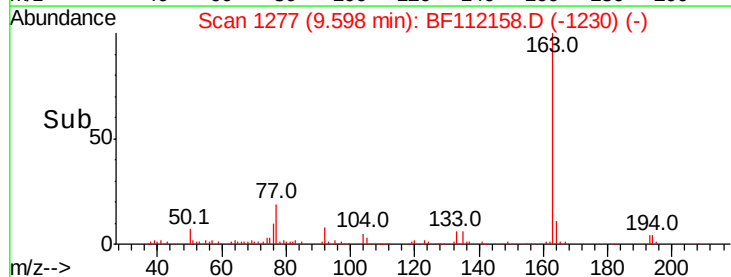
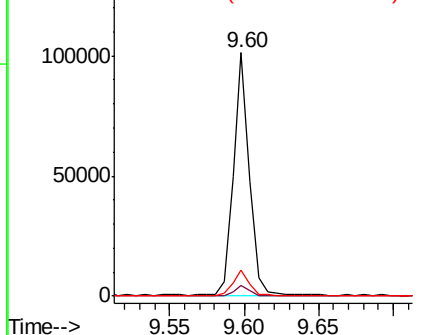
Lab File: BF112158.D

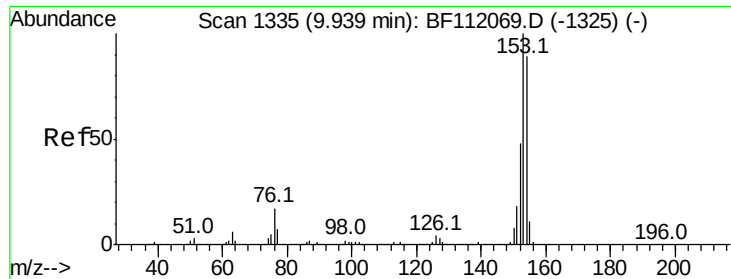
Acq: 21 Jan 2019 15:01

Tgt Ion:	163	Resp:	75858
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.7	8.5	12.7



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





#52

Acenaphthene

Concen: 4.119 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Instrument :

BNA_F

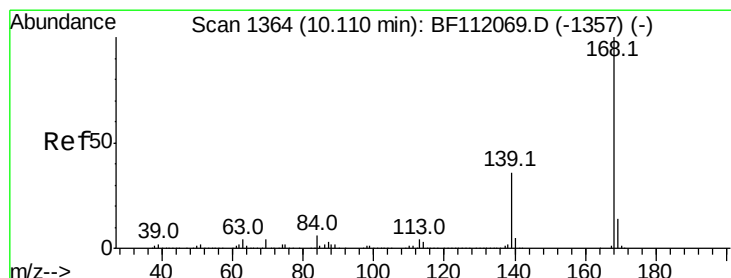
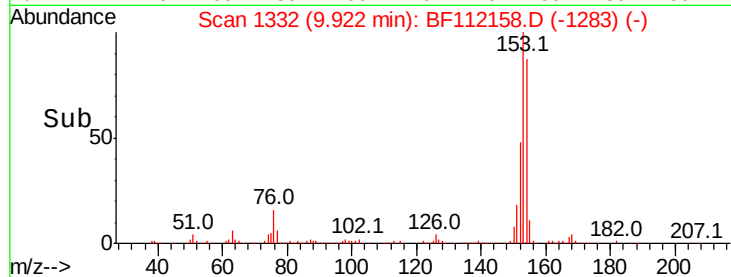
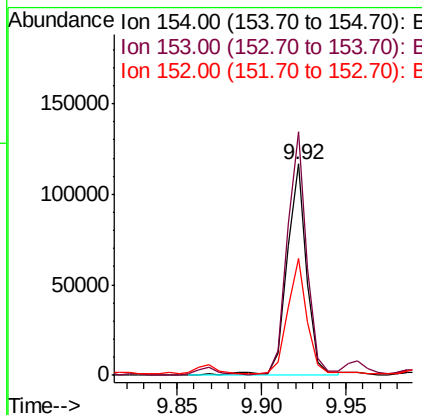
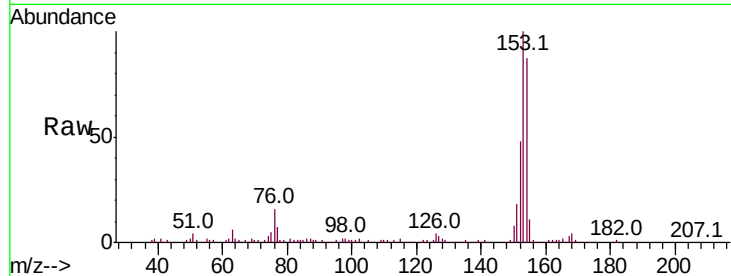
ClientSampleId :

CL-01-011819-C

Tot Ion:	154	Resp:	94852
Ion Ratio	Lower	Upper	
154	100		
153	115.2	89.8	134.6
152	55.5	43.5	65.3

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#55

Dibenzofuran

Concen: 2.932 ng

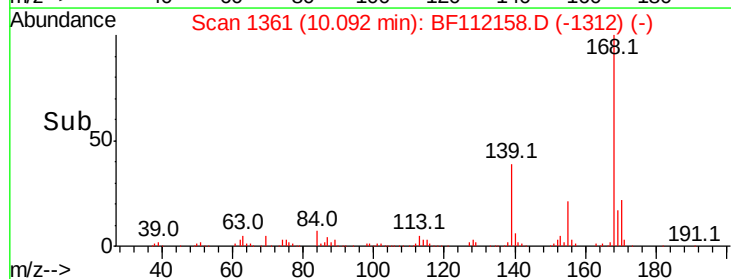
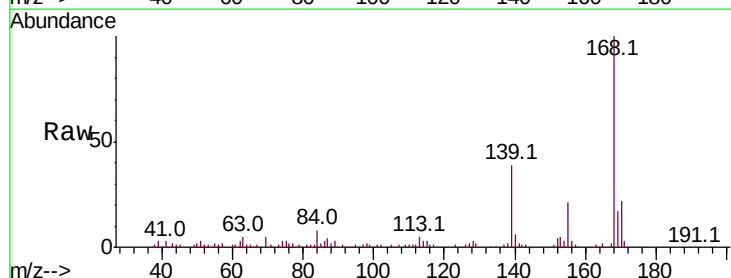
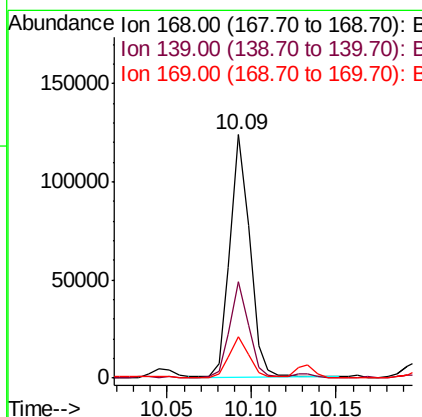
RT: 10.09 min Scan# 1361

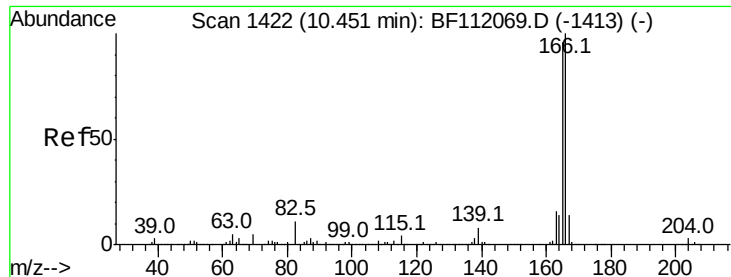
Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Tgt Ion:	168	Resp:	102105
Ion Ratio	Lower	Upper	
168	100		
139	39.4	29.2	43.8
169	17.0	11.4	17.0





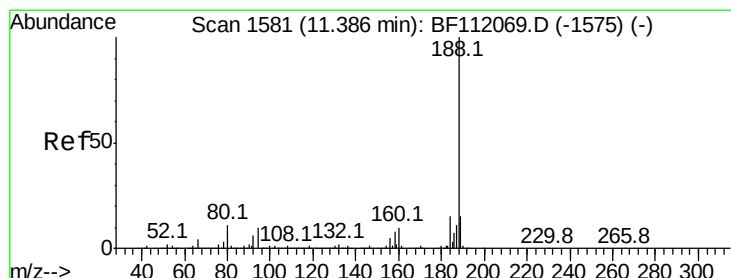
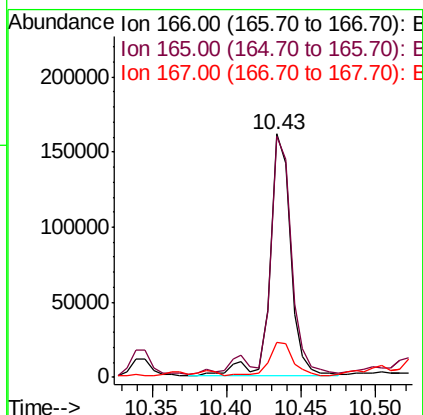
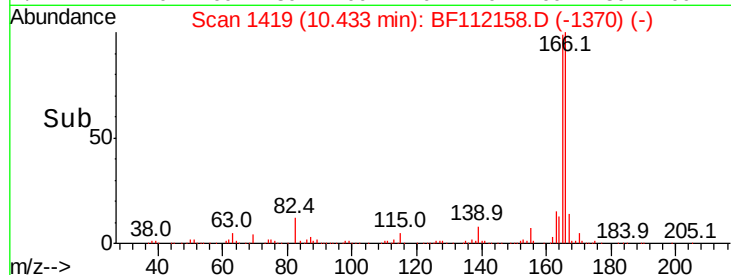
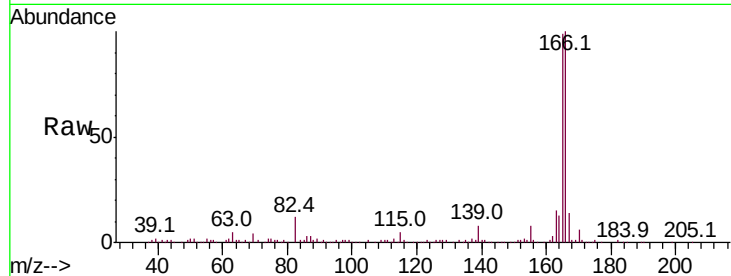
#58
 Fluorene
 Concen: 5.922 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF112158.D
 Acq: 21 Jan 2019 15:01

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.1	115.7
167	14.4	11.3	16.9

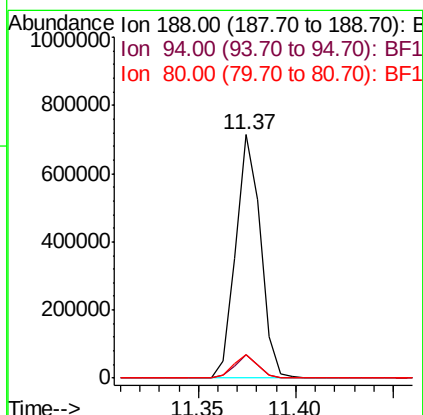
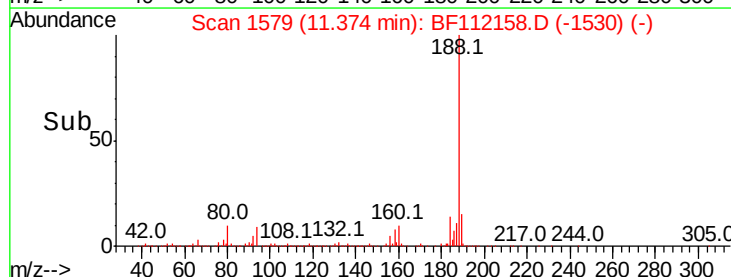
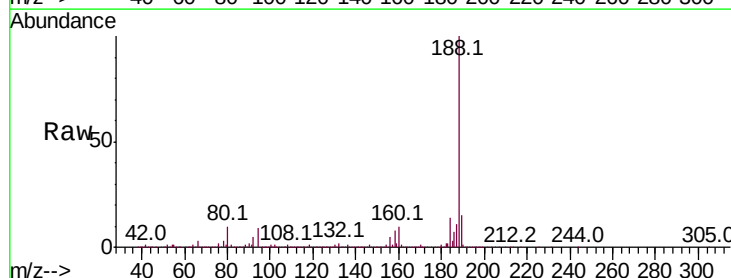
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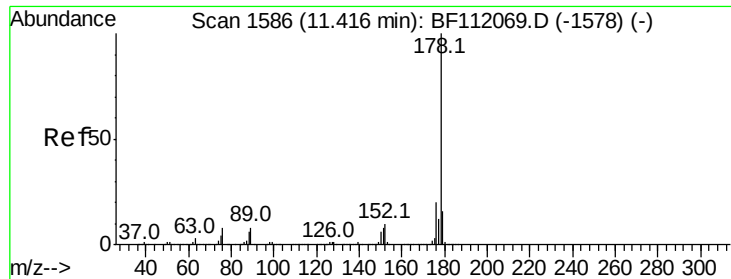
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112158.D
 Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.2
80	9.8	8.9	13.3





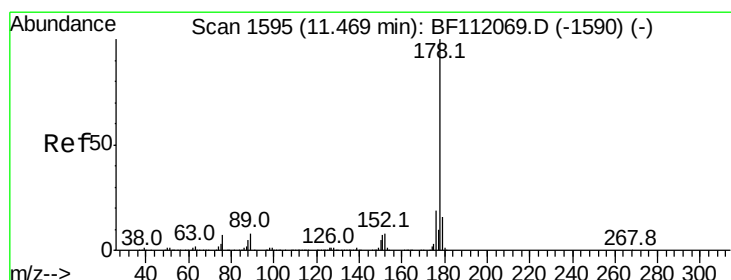
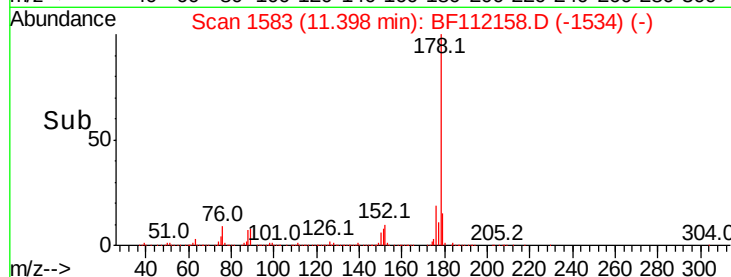
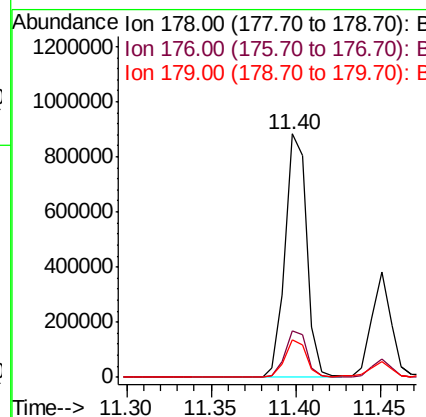
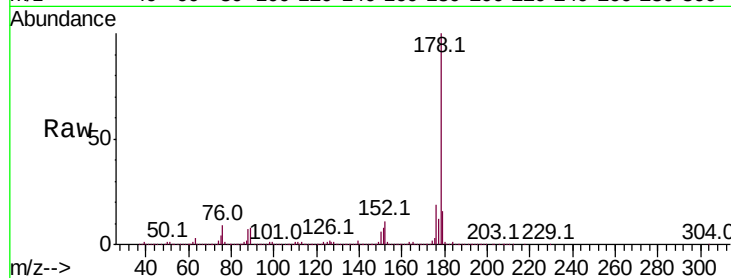
#71
Phenanthrene
Concen: 24.835 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	15.5	13.0	19.4

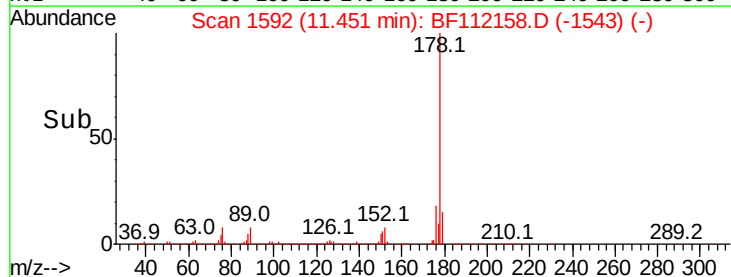
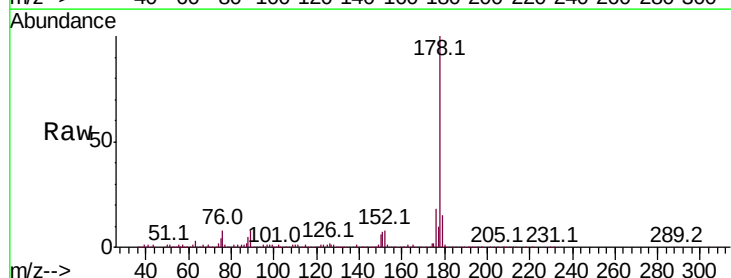
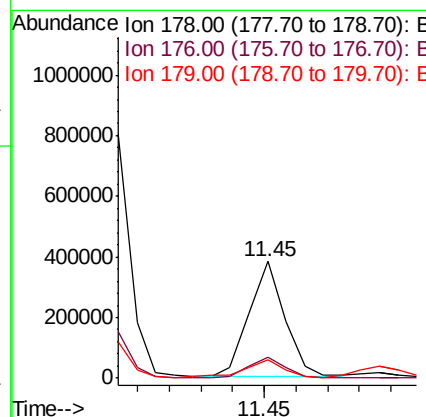
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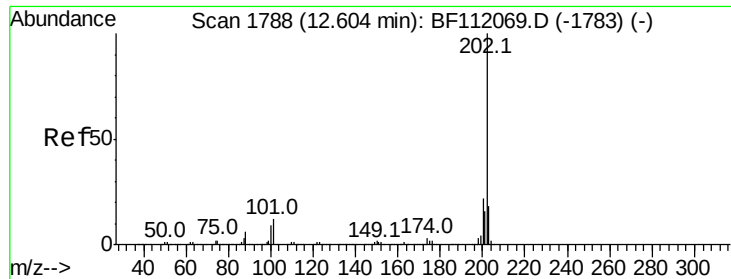
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#72
Anthracene
Concen: 9.183 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.5	23.3
179	15.4	12.8	19.2





#75

Fluoranthene

Concen: 35.531 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Instrument :

BNA_F

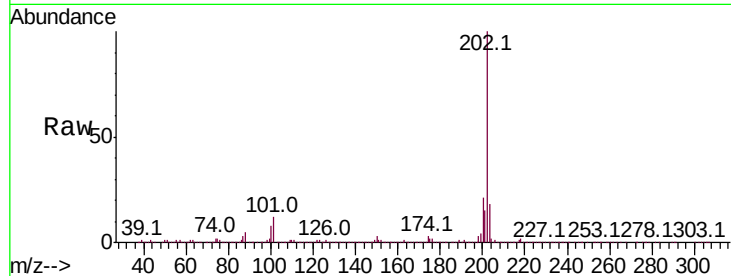
ClientSampleId :

CL-01-011819-C

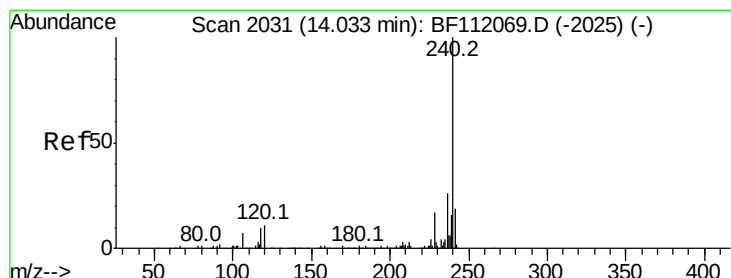
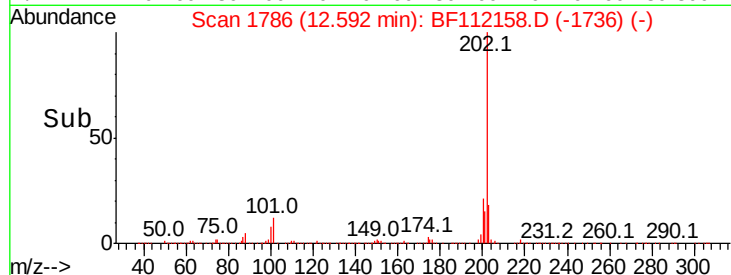
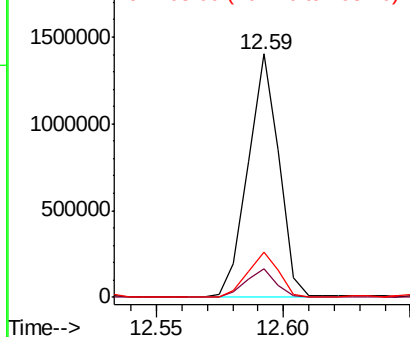
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.8
203	18.4	0.0	38.4

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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: 14.02 min Scan# 2029

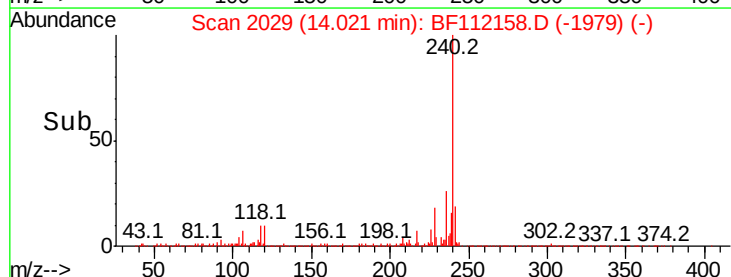
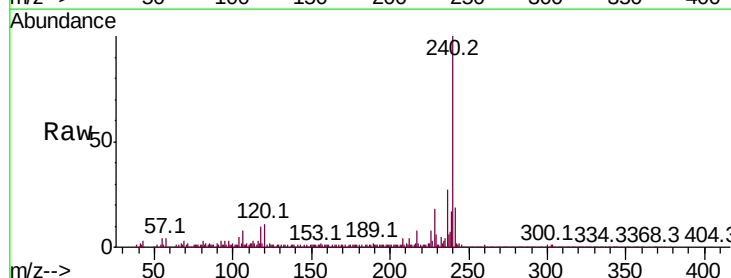
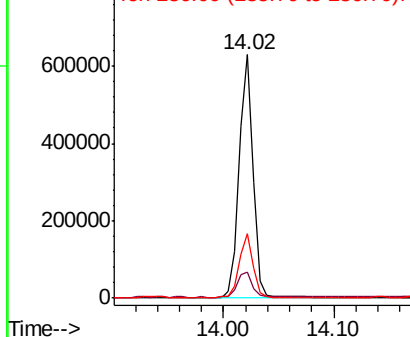
Delta R.T. -0.01 min

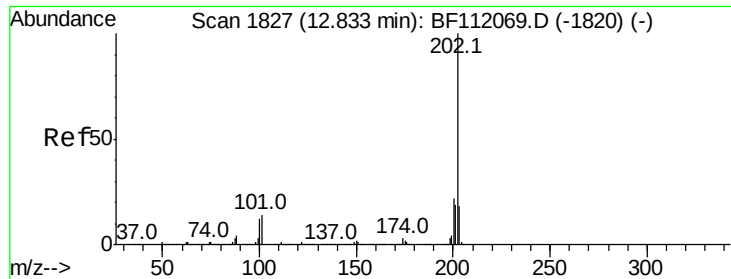
Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.6
236	26.6	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





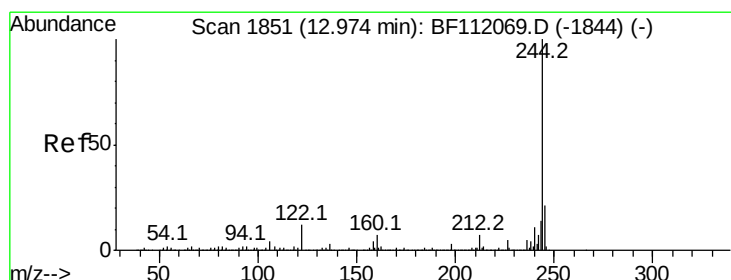
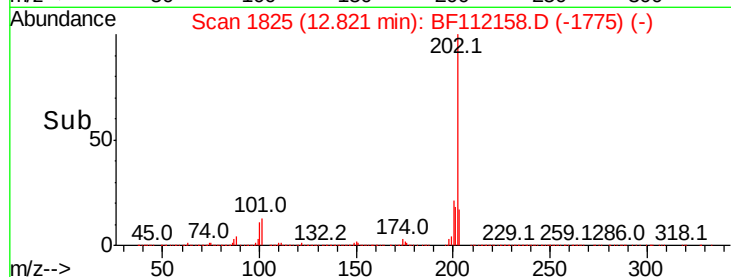
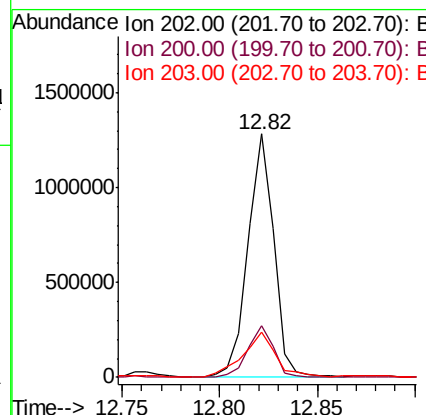
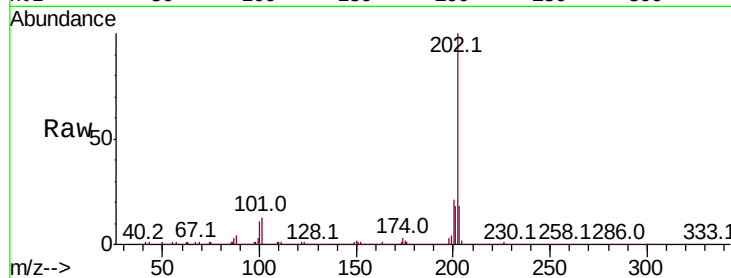
#78
Pvrene
Concen: 32.134 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.7	26.5
203	18.5	14.6	22.0

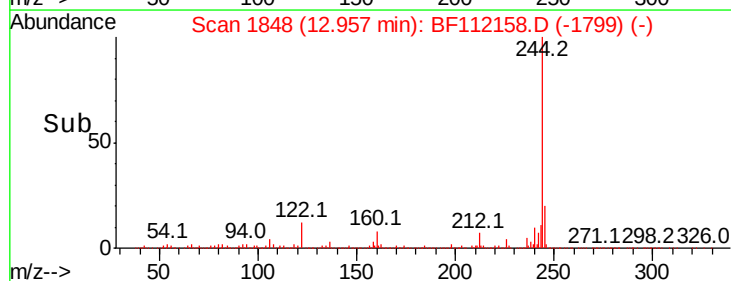
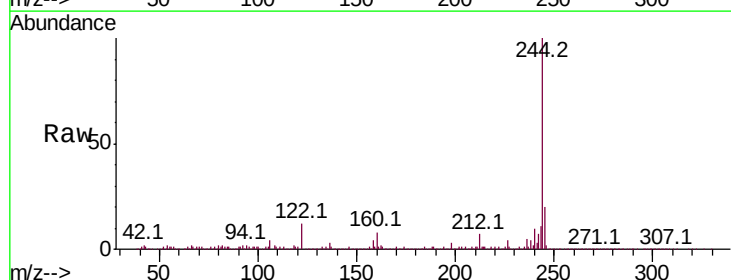
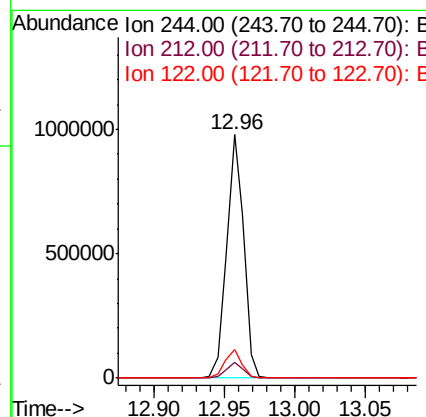
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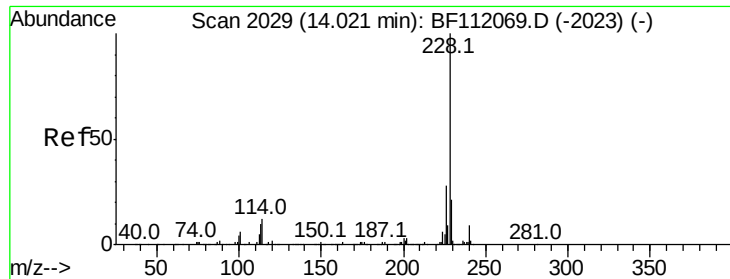
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#79
Terphenyl-d14
Concen: 31.405 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	11.9	9.8	14.6





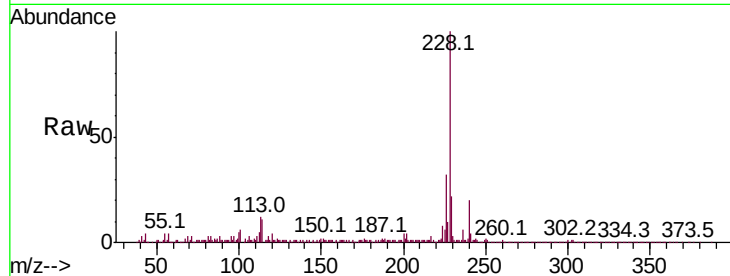
#81
Benzo(a)anthracene
Concen: 18.808 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Resp	Lower	Upper
228	100	596619		
226	31.8		22.6	34.0
229	22.1		16.5	24.7

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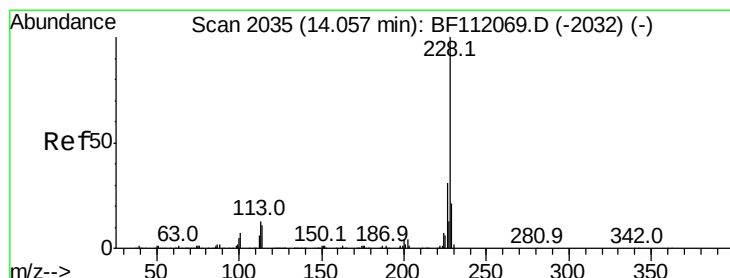
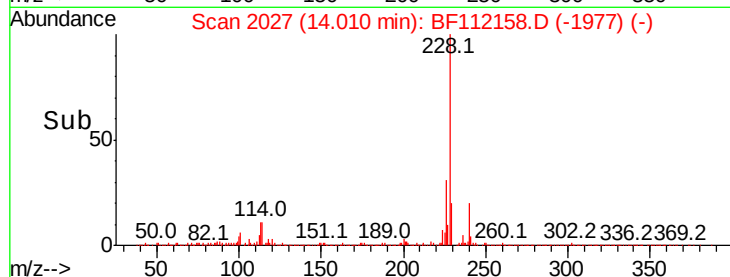
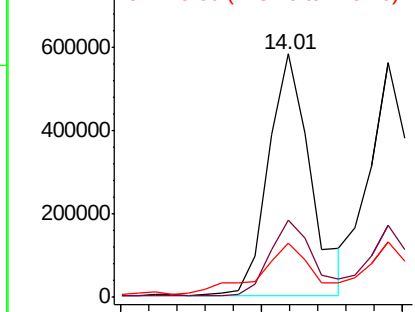


Abundance

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: 17.523 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

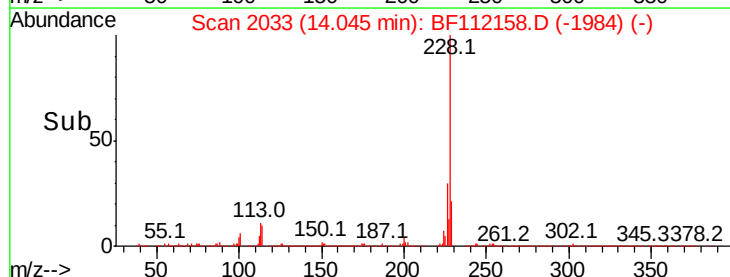
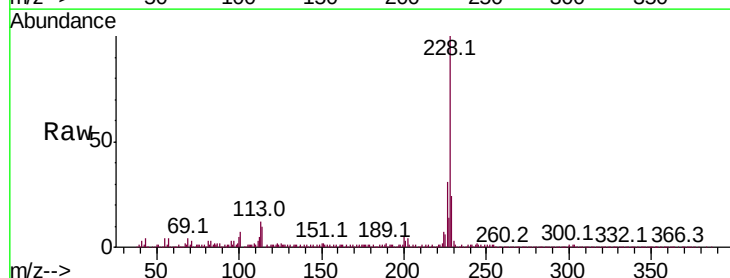
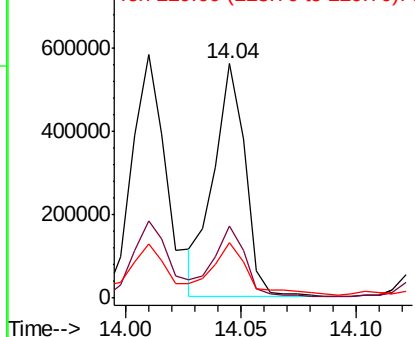
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	525962		
226	30.9		25.0	37.6
229	23.7		16.6	24.8

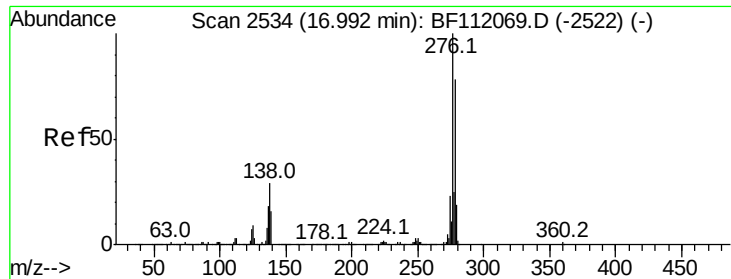
Abundance

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





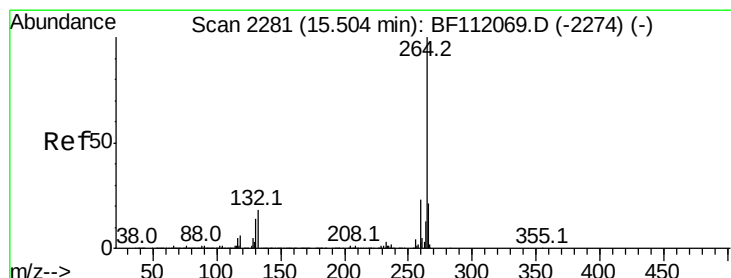
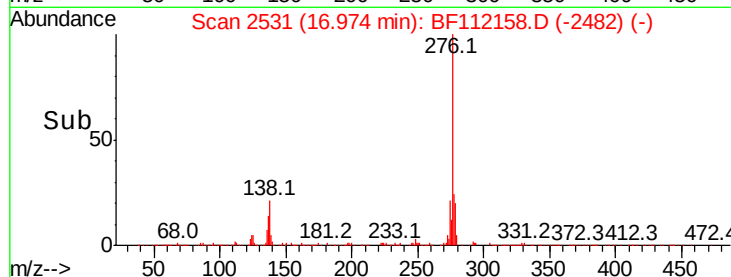
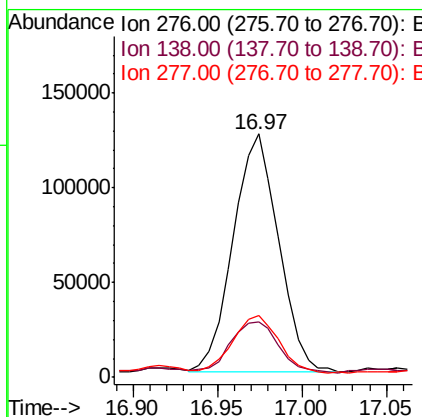
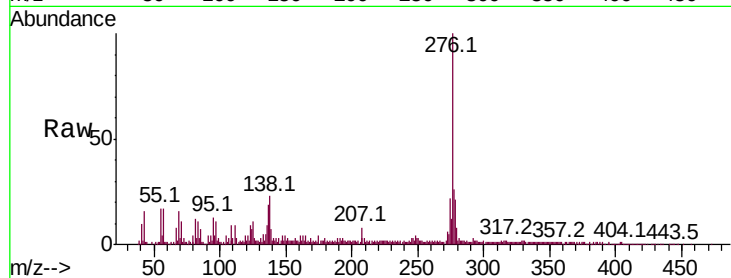
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.478 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	22.6	34.0
277	24.9	20.3	30.5

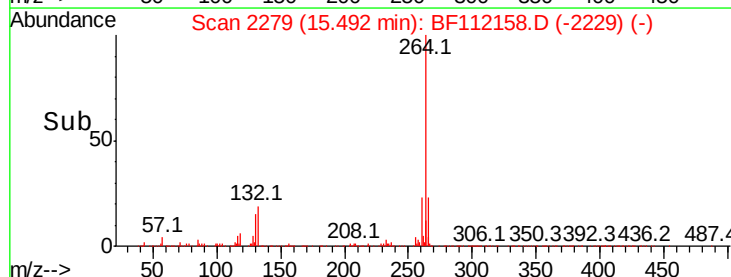
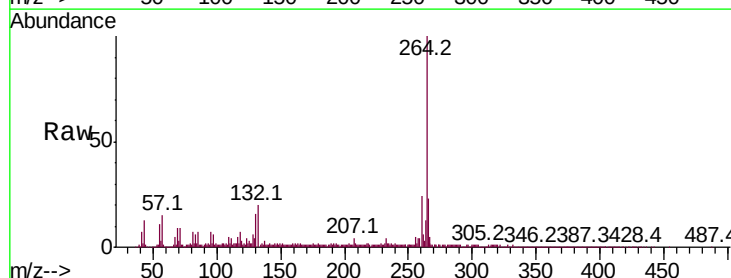
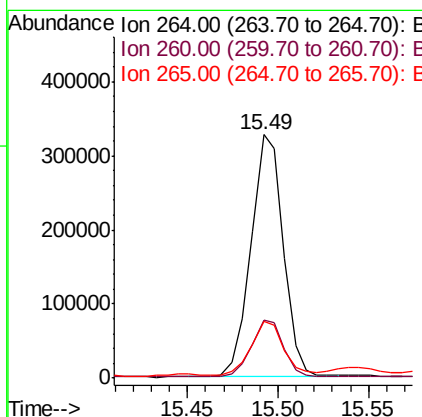
Manual Integrations
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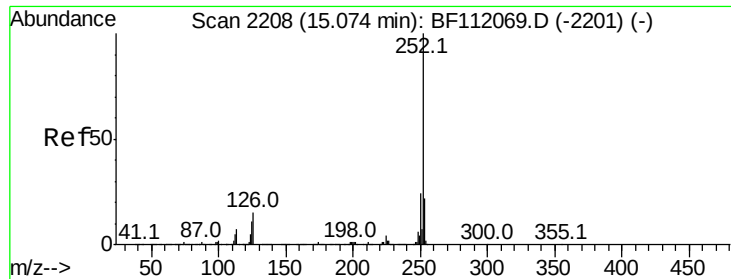
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.2
265	23.4	17.0	25.4





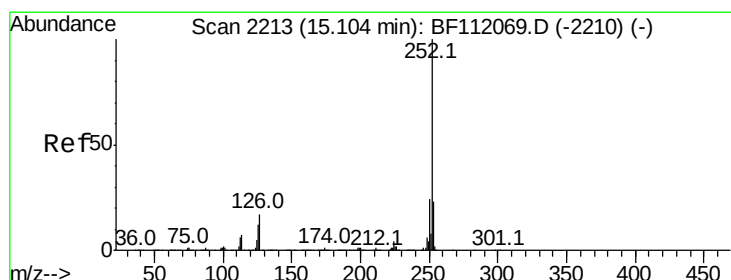
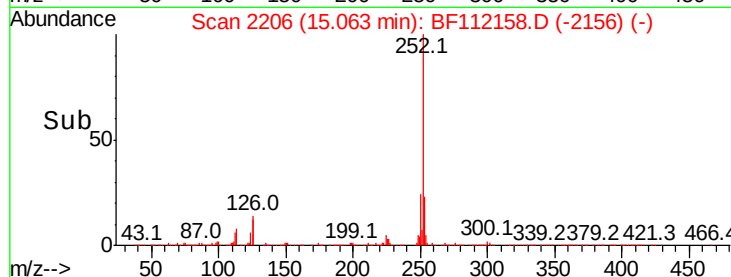
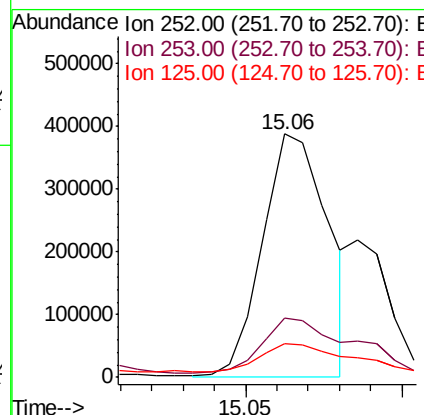
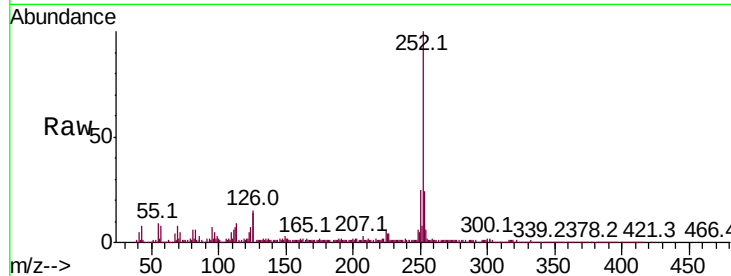
#88
Benzo(b)fluoranthene
Concen: 24.761 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	14.0	8.7	13.1

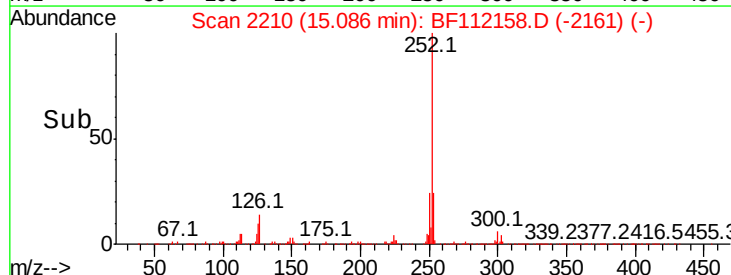
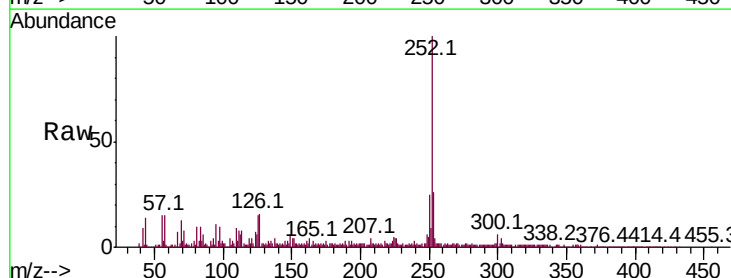
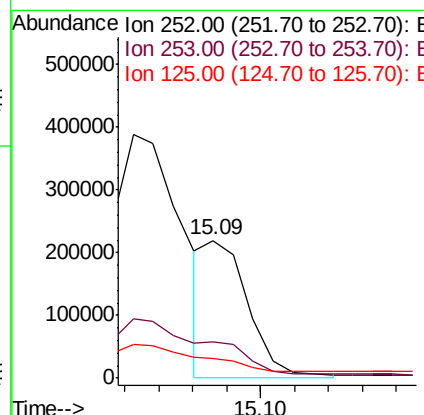
Manual Integrations
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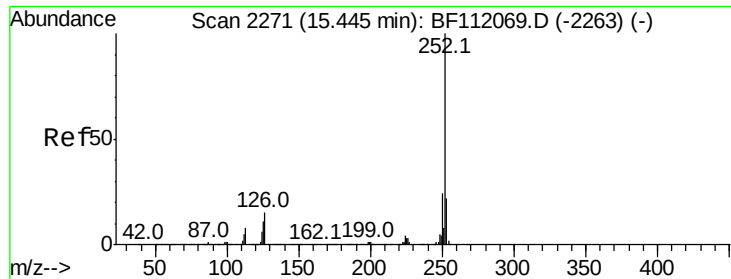
Sohil
1/22/2019 9:58:59 AM



#89
Benzo(k)fluoranthene
Concen: 8.861 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	14.5	9.1	13.7





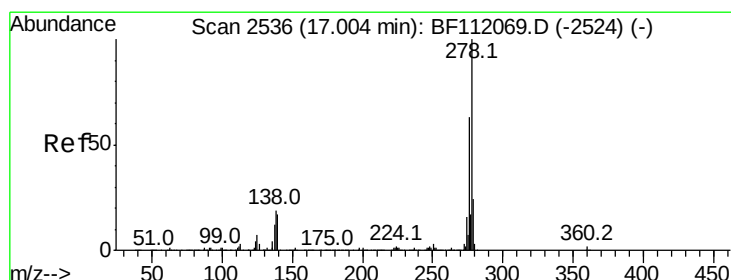
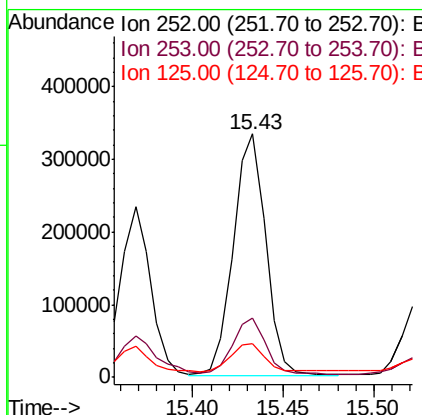
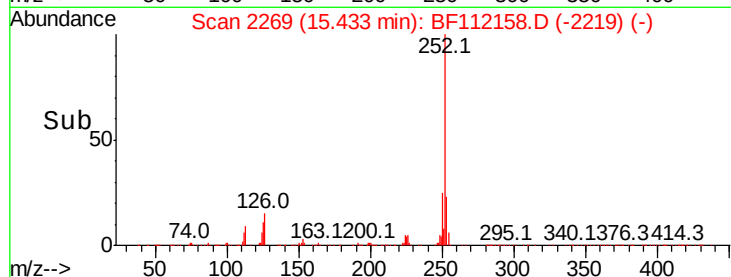
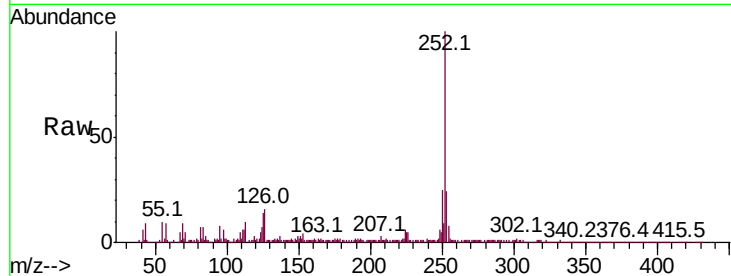
#90
Benzo(a)pyrene
Concen: 19.584 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	13.8	9.0	13.4

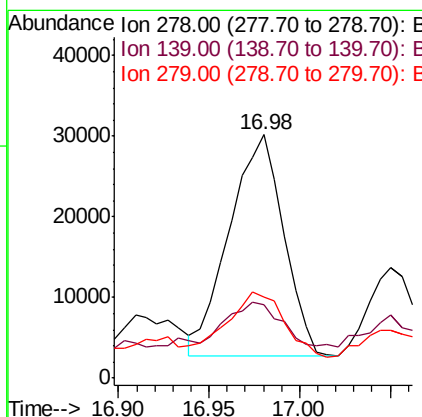
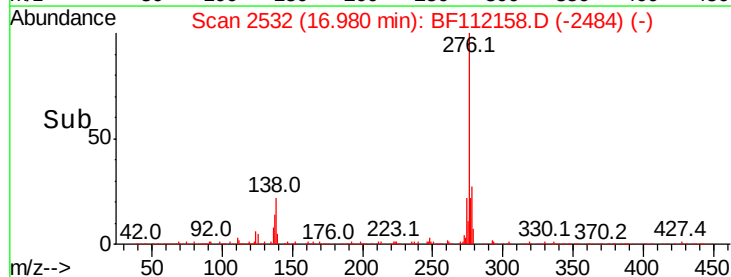
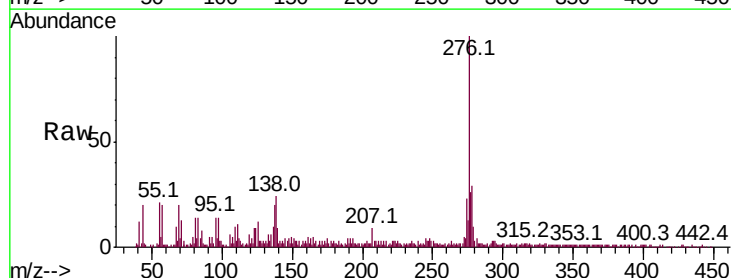
Manual Integrations
APPROVED

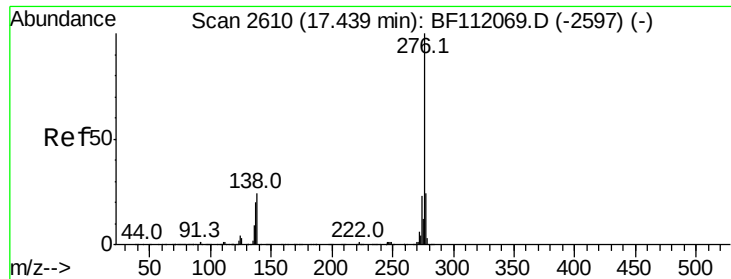
Sohil
1/22/2019 9:58:59 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.070 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF112158.D
Acq: 21 Jan 2019 15:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.1	13.7	20.5
279	33.5	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 12.473 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BF112158.D

Acq: 21 Jan 2019 15:01

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-C

Tot Ion:	276	Resp:	229847
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.4	29.0
138	23.2	19.1	28.7

Manual Integrations
APPROVED

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1/22/2019 9:58:59 AM

