

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
 Data File : BF112518.D
 Acq On : 12 Feb 2019 20:27
 Operator : JU/SJ
 Sample : K1343-15 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-H

Manual Integrations
 APPROVED

Sohil
 2/13/2019 11:12:22 AM

Quant Time: Feb 13 04:51:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	105093	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	382603	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	157636	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	255540	20.00	ng	0.00
76) Chrysene-d12	14.02	240	220856	20.00	ng	0.00
87) Perylene-d12	15.50	264	166624	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	385765	77.97	ng	-0.01
7) Phenol-d6	6.49	99	477736	69.49	ng	0.00
23) Nitrobenzene-d5	7.40	82	281222	42.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	100022	54.51	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	540682	48.51	ng	-0.01
79) Terphenyl-d14	12.94	244	481725	41.08	ng	0.00
Target Compounds						
10) Phenol	6.50	94	27851	3.692	ng	Qvalue 93
31) Naphthalene	8.14	128	88988	4.974	ng	98
37) 2-Methylnaphthalene	8.83	142	50126	4.092	ng	97
38) 1-Methylnaphthalene	8.93	142	53781m	4.581	ng	
49) Acenaphthylene	9.73	152	177888	11.357	ng	99
50) Dimethylphthalate	9.59	163	45494	3.715	ng	99
52) Acenaphthene	9.90	154	41965	4.485	ng	97
55) Dibenzofuran	10.08	168	185192	12.951	ng	97
58) Fluorene	10.42	166	63572	5.941	ng	99
71) Phenanthrene	11.39	178	1747014	131.501	ng	99
72) Anthracene	11.44	178	246138	18.599	ng	99
73) Carbazole	11.60	167	84253	6.454	ng	98
75) Fluoranthene	12.59	202	2037181	142.969	ng	99
78) Pyrene	12.82	202	1813300	118.588	ng	100
81) Benzo(a)anthracene	14.01	228	655276	50.472	ng	98
83) Chrysene	14.04	228	686458	55.391	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	269106	27.404	ng	# 91
88) Benzo(b)fluoranthene	15.07	252	727428m	72.999	ng	
89) Benzo(k)fluoranthene	15.09	252	183825m	19.259	ng	
90) Benzo(a)pyrene	15.44	252	443000	49.407	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	62276	8.618	ng	# 86
92) Benzo(g,h,i)perylene	17.45	276	250071	36.680	ng	97

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

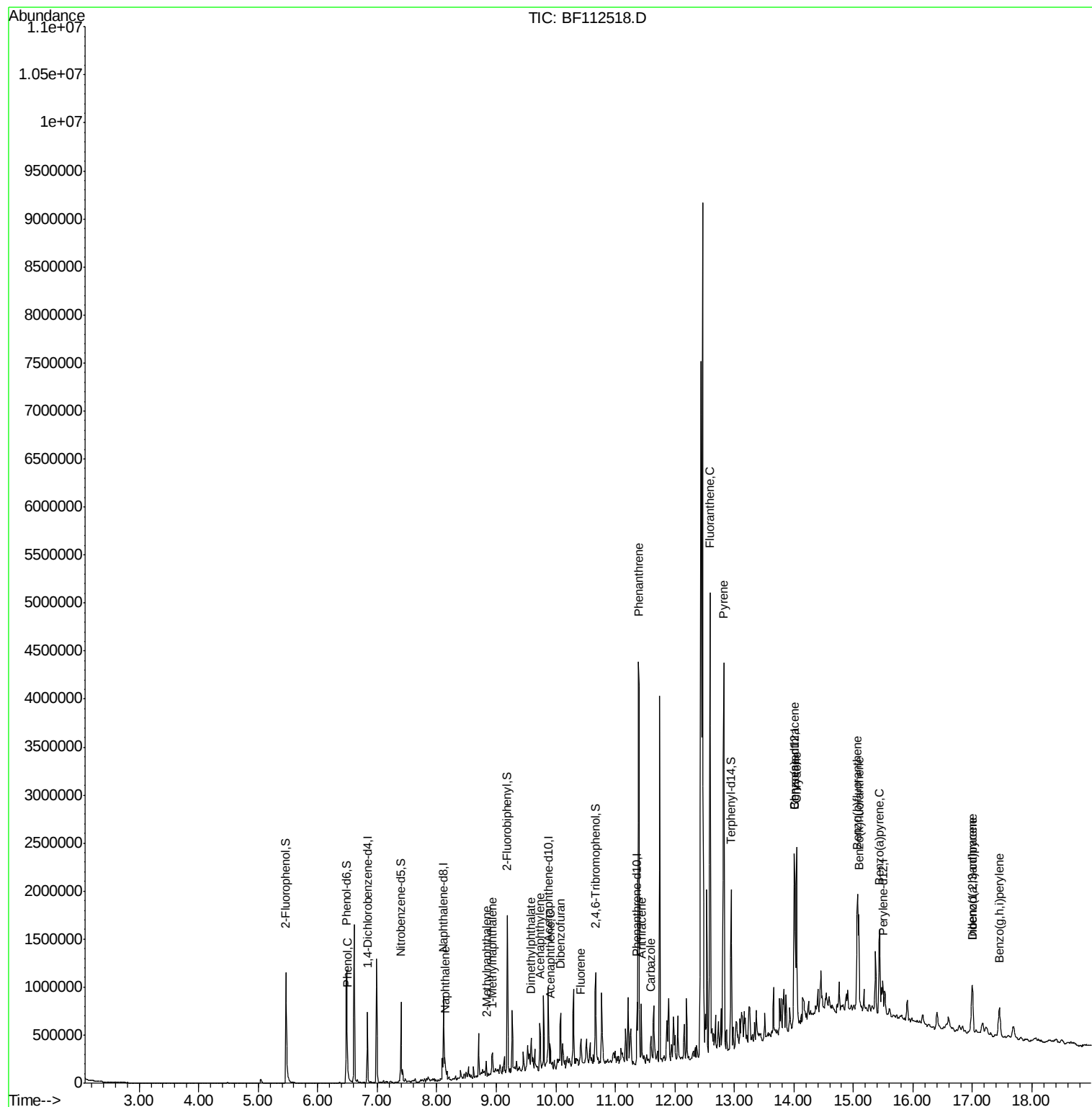
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112518.D
Acq On : 12 Feb 2019 20:27
Operator : JU/SJ
Sample : K1343-15 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

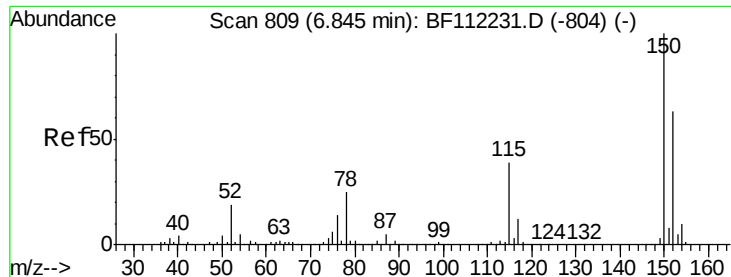
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

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2/13/2019 11:12:22 AM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

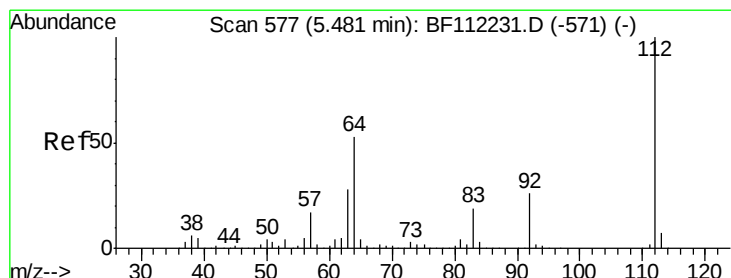
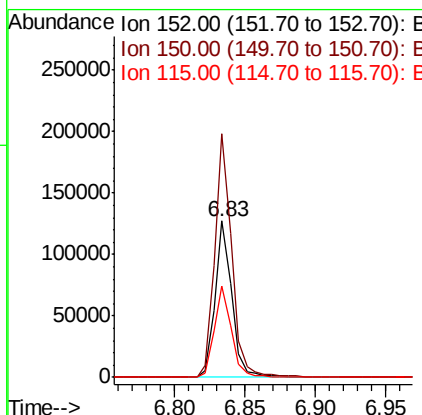
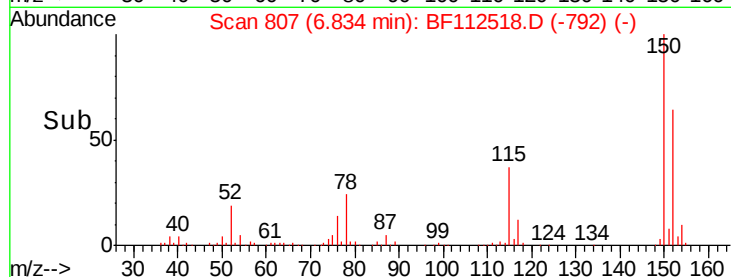
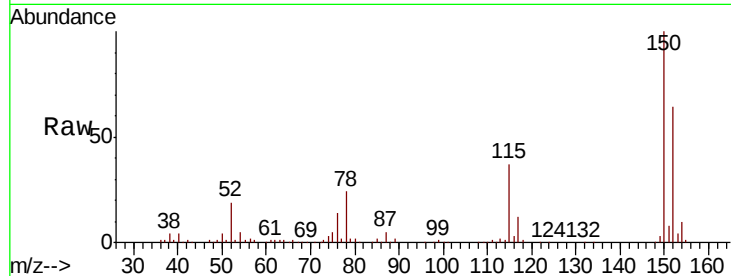
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.0
115	58.2	45.5	68.3

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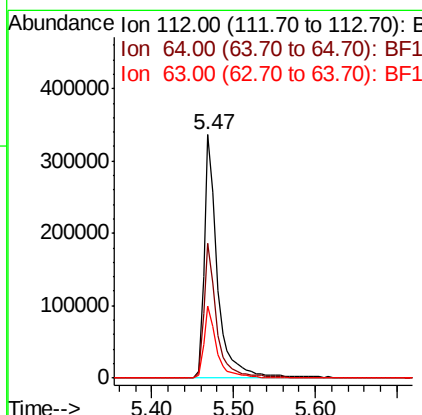
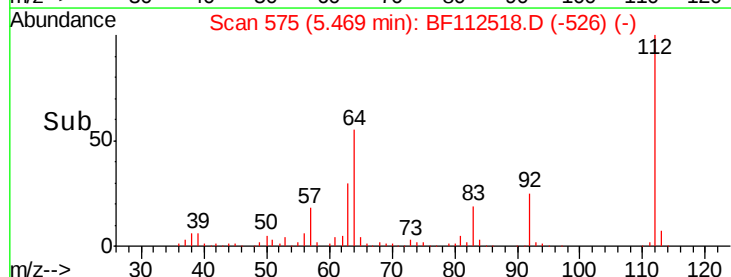
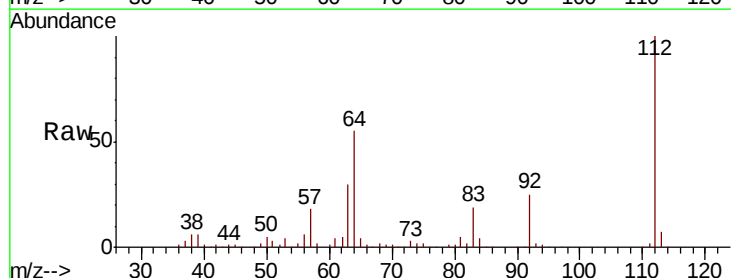
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#5

2-Fluorophenol
Concen: 77.968 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.7	68.5
63	29.6	23.6	35.4





#7

Phenol-d6

Concen: 69.488 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Instrument :

BNA_F

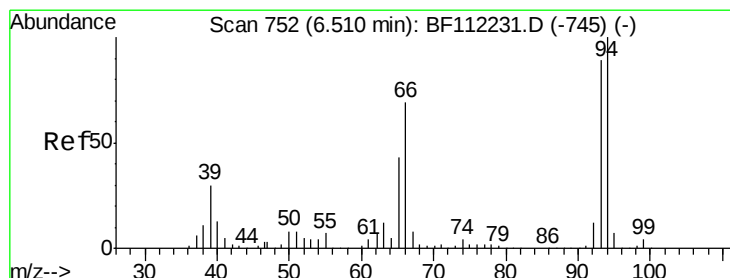
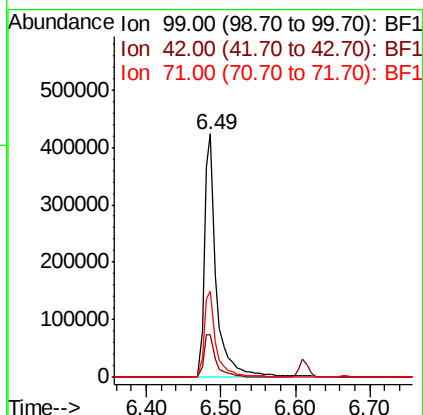
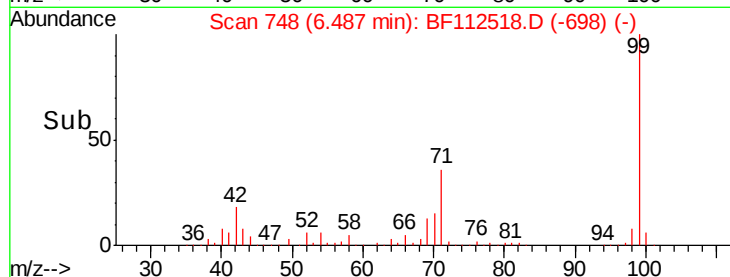
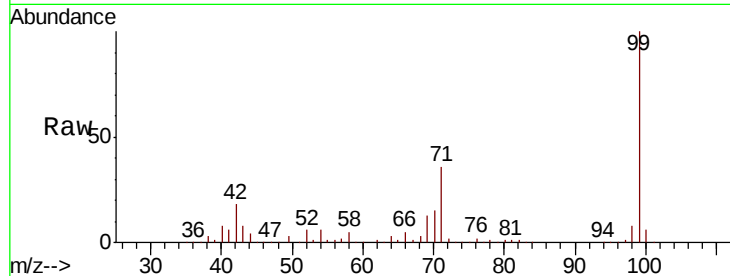
ClientSampleId :

JC-02-021119-H

Tot Ion:	99	Resp:	477736
Ion Ratio	Lower	Upper	
99	100		
42	17.6	15.1	22.7
71	35.6	26.9	40.3

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#10

Phenol

Concen: 3.692 ng

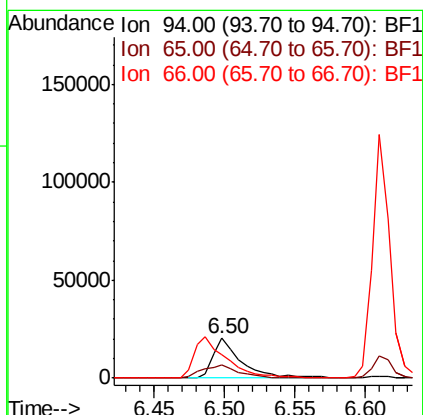
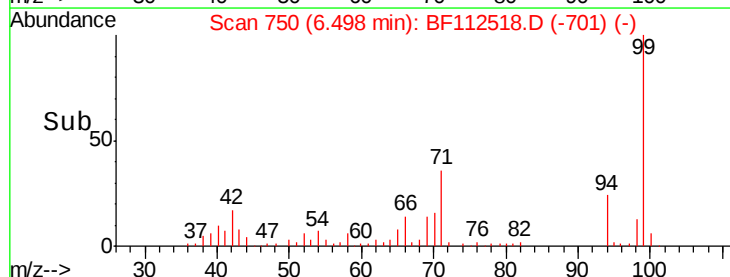
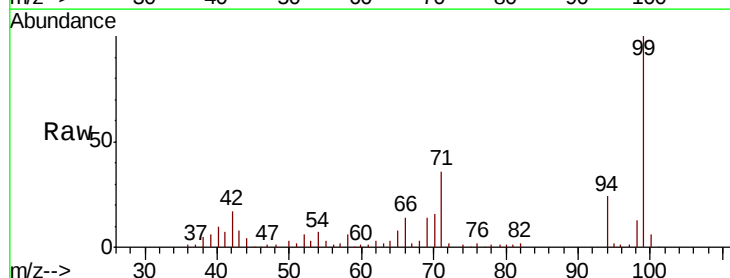
RT: 6.50 min Scan# 750

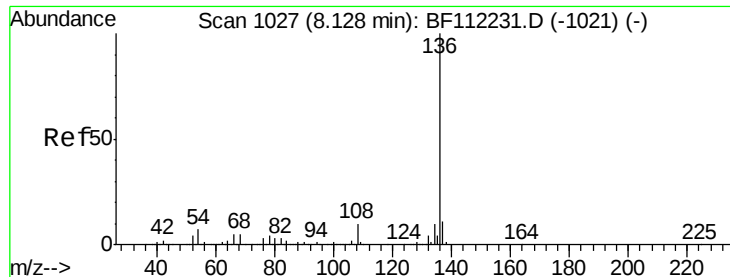
Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Tgt Ion:	94	Resp:	27851
Ion Ratio	Lower	Upper	
94	100		
65	33.2	20.3	60.3
66	59.3	42.4	82.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Instrument :

BNA_F

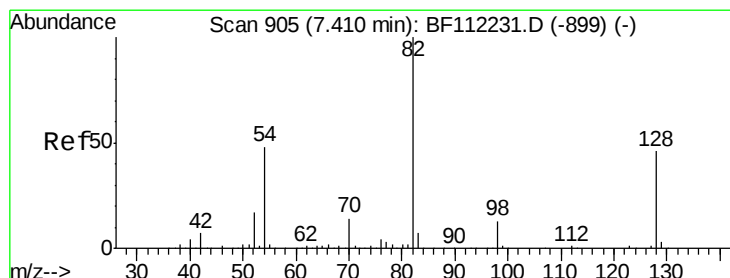
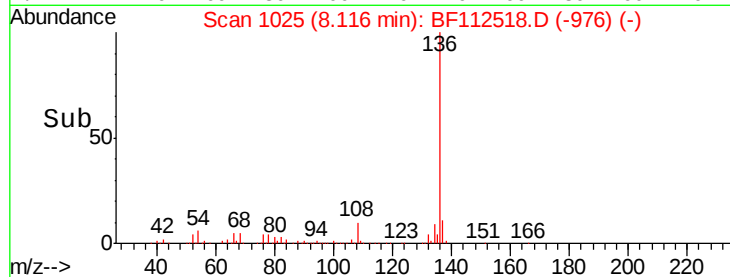
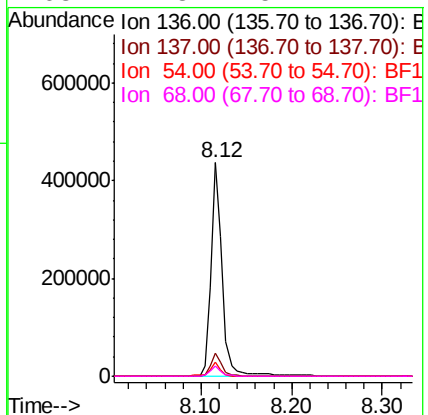
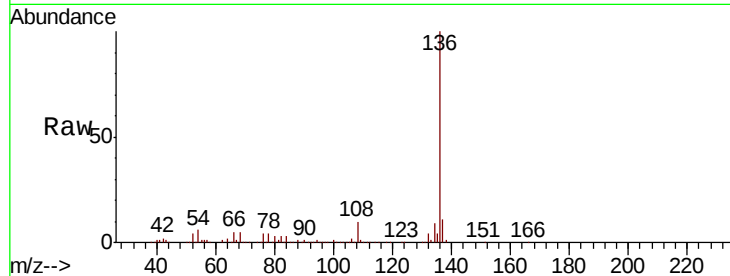
ClientSampleId :

JC-02-021119-H

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.3	5.9	8.9
68	4.8	5.1	7.7#

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#23

Nitrobenzene-d5

Concen: 42.352 ng

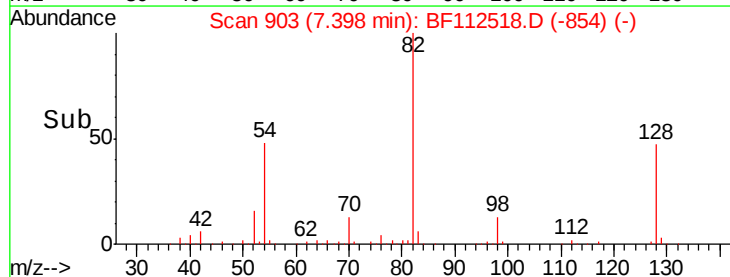
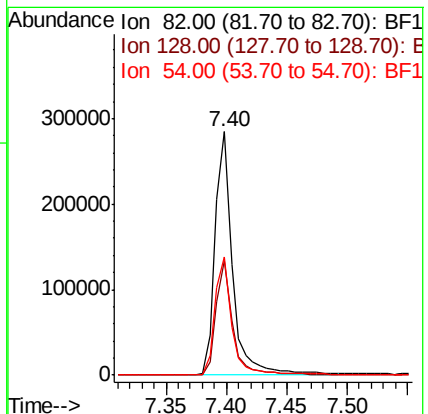
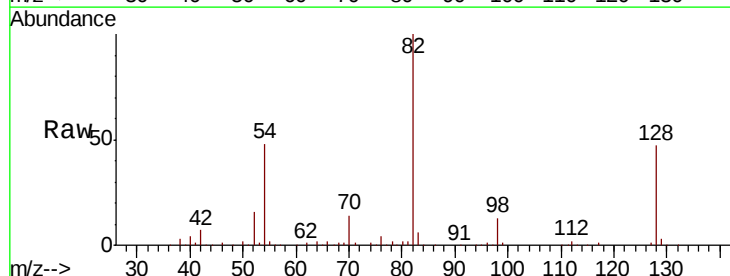
RT: 7.40 min Scan# 903

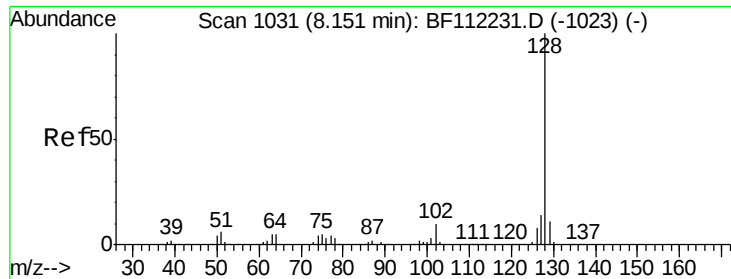
Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.1	37.8	56.8
54	48.4	39.7	59.5





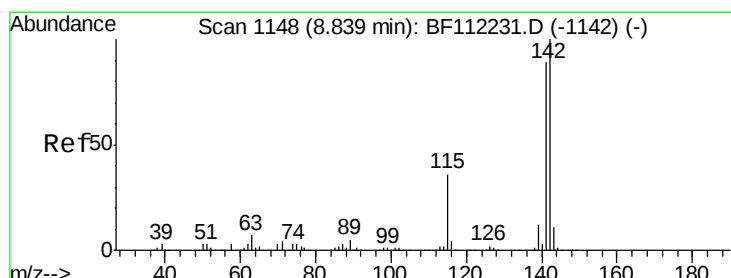
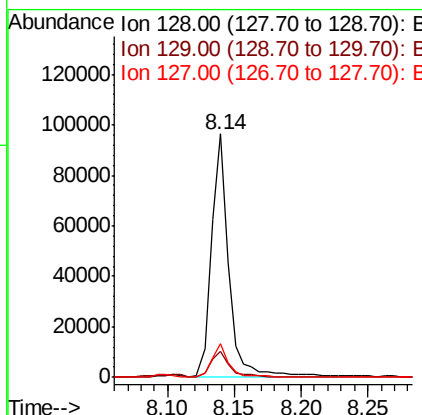
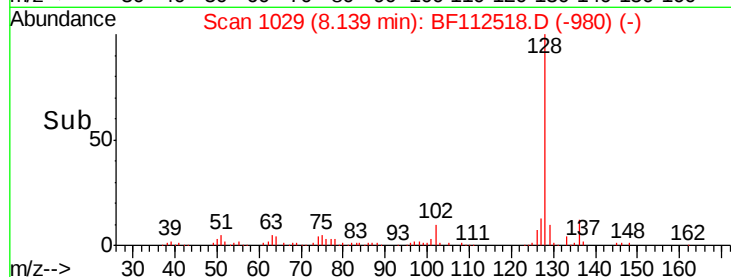
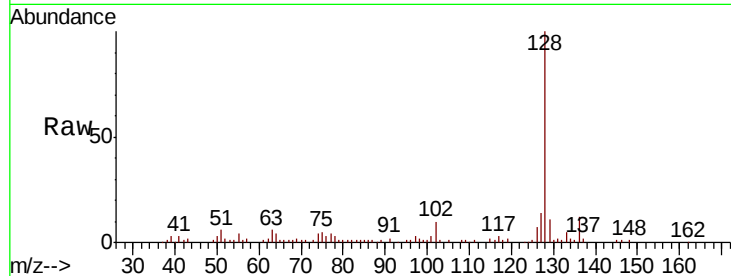
#31
Naphthalene
Concen: 4.974 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.7	11.1	16.7

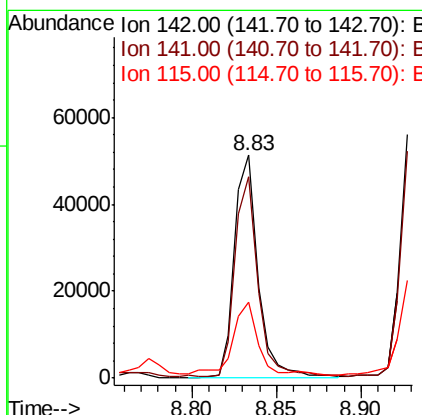
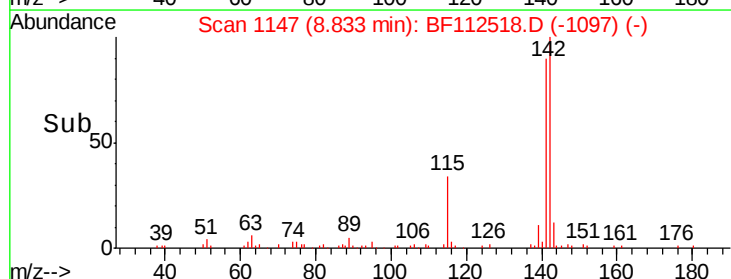
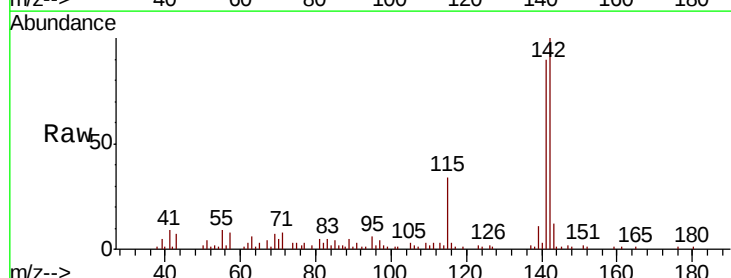
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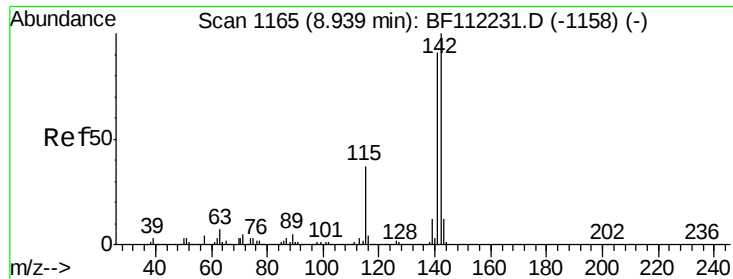
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#37
2-Methylnaphthalene
Concen: 4.092 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.9	106.3
115	34.1	24.9	37.3





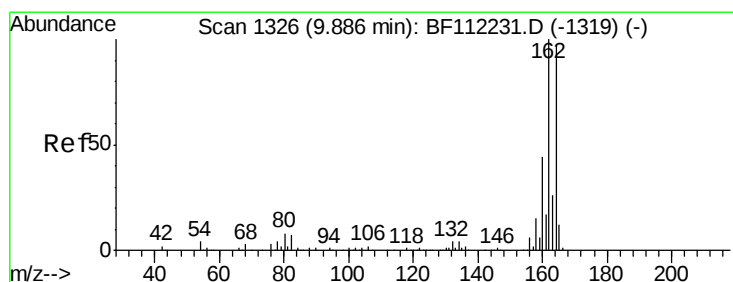
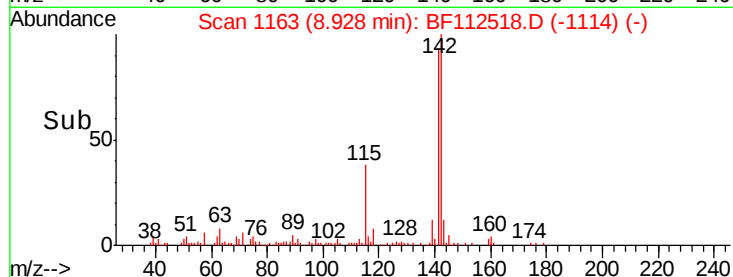
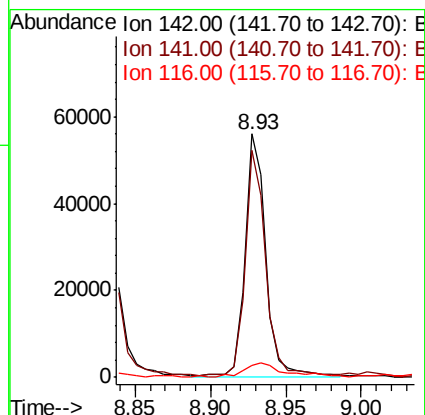
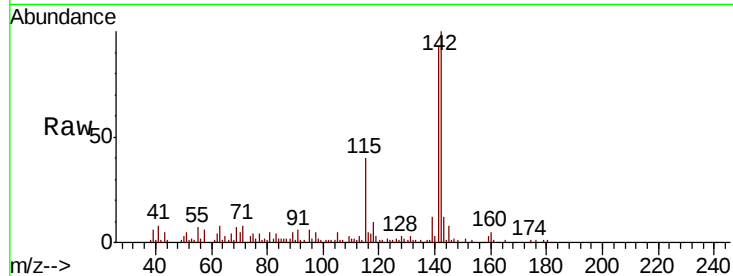
#38
1-Methylnaphthalene
Concen: 4.581 ng m
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.1	72.6	108.8
116	5.0	2.8	4.2#

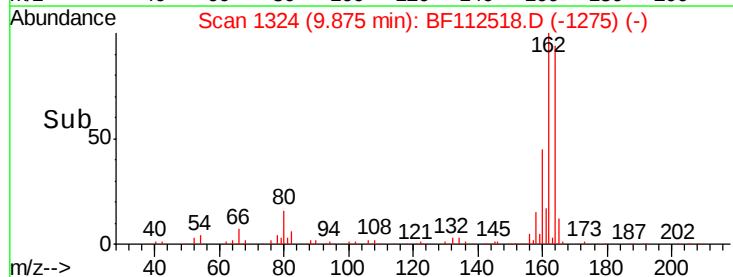
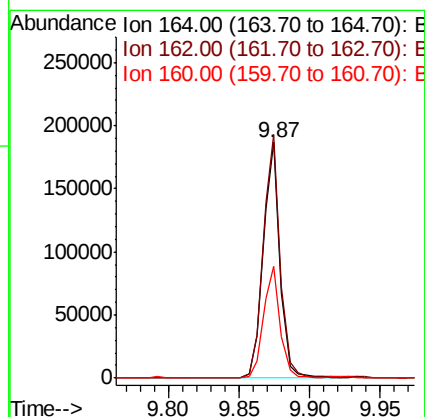
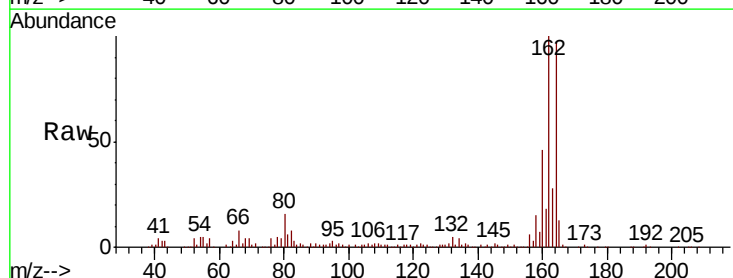
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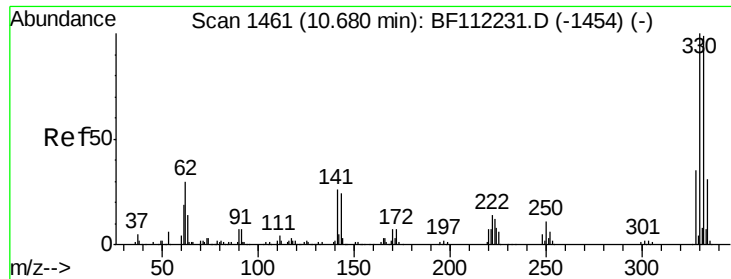
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.2	123.4
160	47.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 54.513 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Instrument :

BNA_F

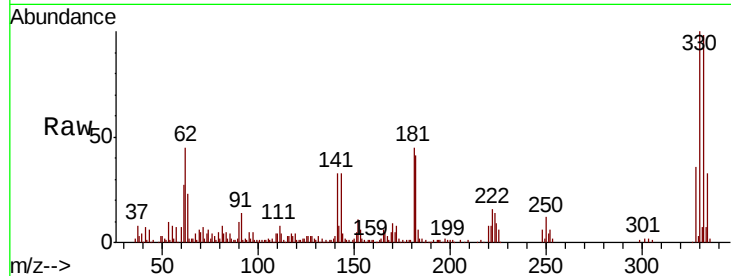
ClientSampleId :

JC-02-021119-H

Tot Ion:	330	Resp:	100022
Ion Ratio	Lower	Upper	
330	100		
332	98.3	76.6	114.8
141	36.1	24.3	36.5

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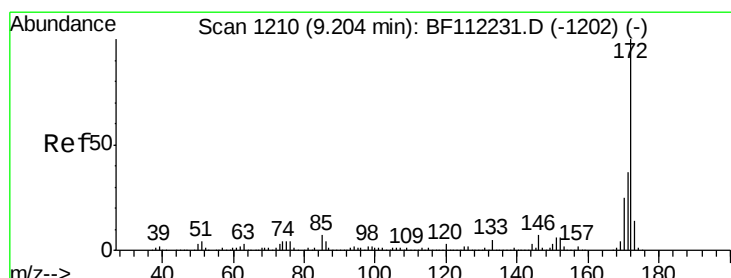
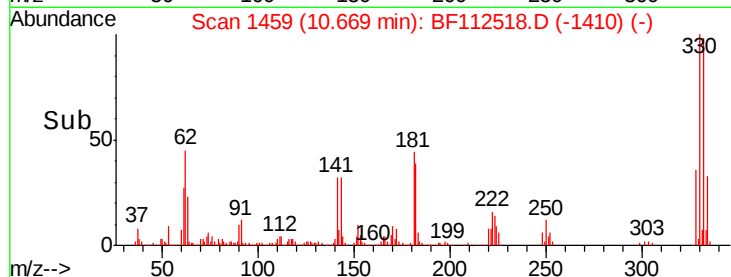
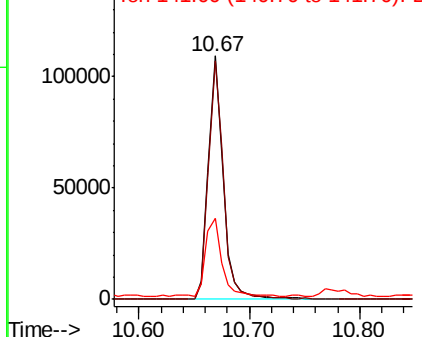


Abundance

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: 48.511 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

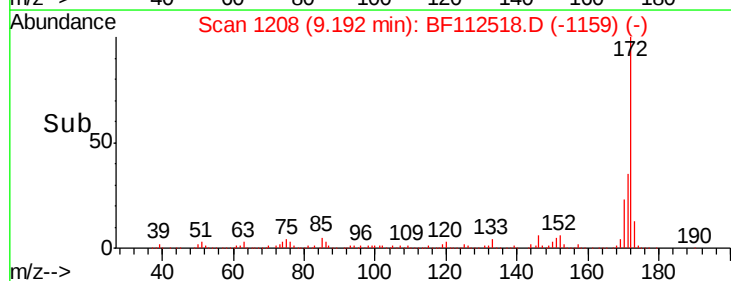
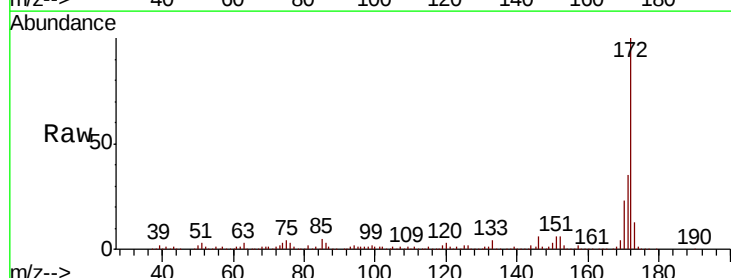
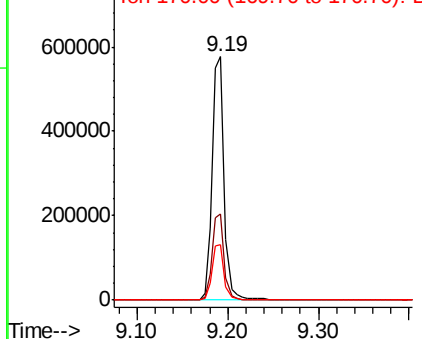
Tgt Ion:	172	Resp:	540682
Ion Ratio	Lower	Upper	
172	100		
171	35.3	30.5	45.7
170	23.0	20.2	30.4

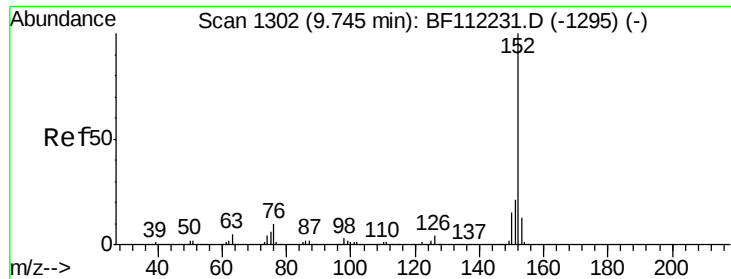
Abundance

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: 11.357 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Instrument :

BNA_F

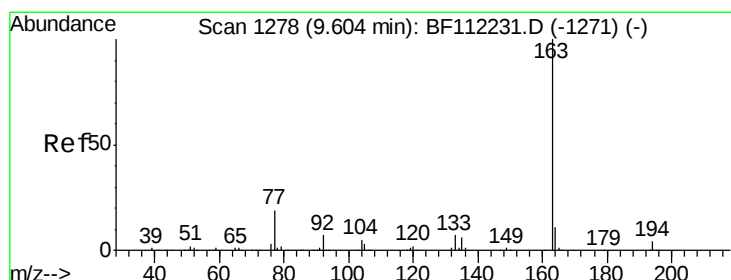
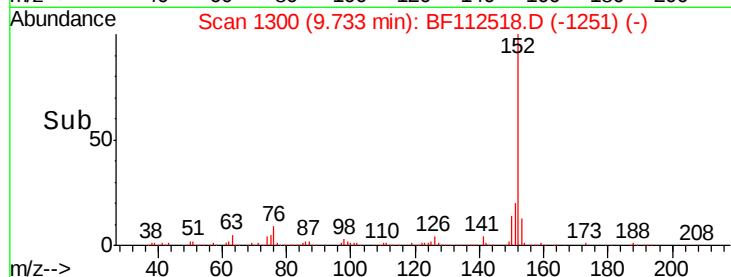
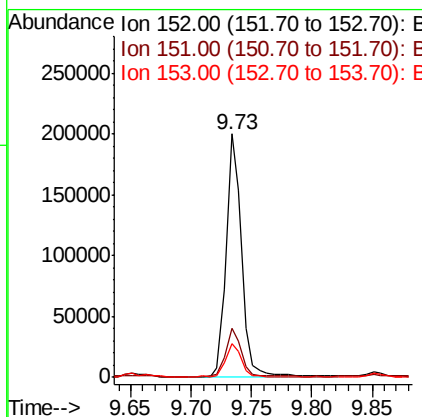
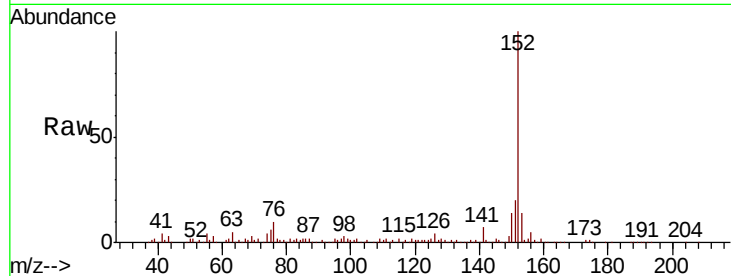
ClientSampleId :

JC-02-021119-H

Tot Ion:	152	Resp:	177888
Ion Ratio	Lower	Upper	
152	100		
151	20.3	17.0	25.6
153	13.9	11.2	16.8

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#50

Dimethylphthalate

Concen: 3.715 ng

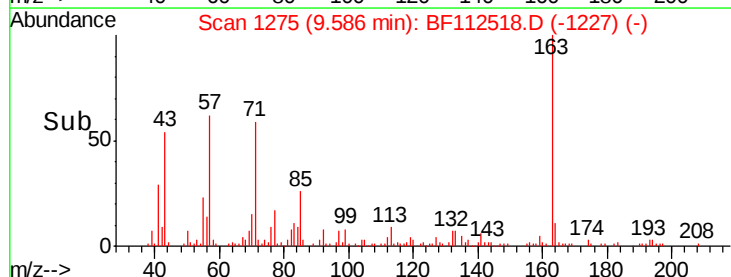
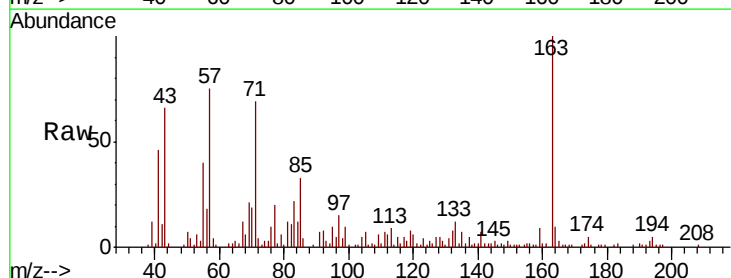
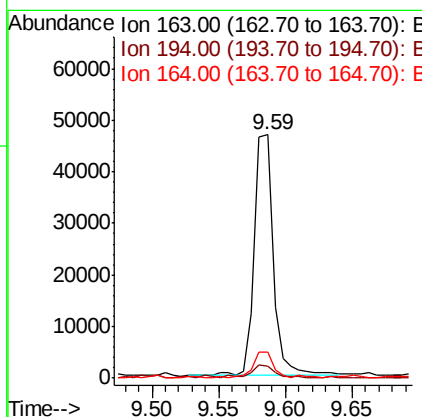
RT: 9.59 min Scan# 1275

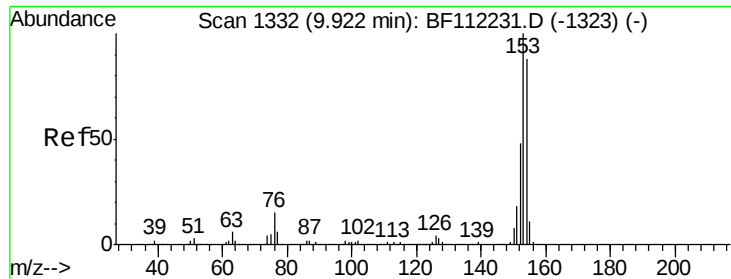
Delta R.T. -0.02 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Tgt Ion:	163	Resp:	45494
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.3	4.9
164	10.4	8.5	12.7





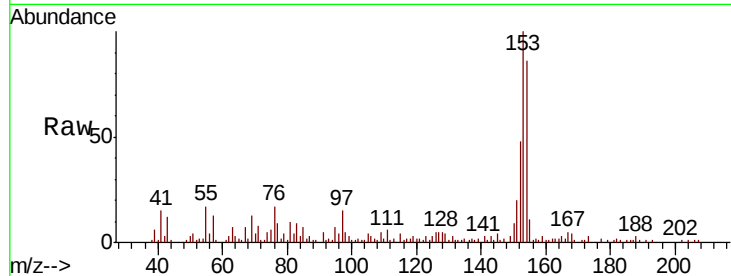
#52
Acenaphthene
Concen: 4.485 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.9	89.8	134.6
152	56.0	43.5	65.3

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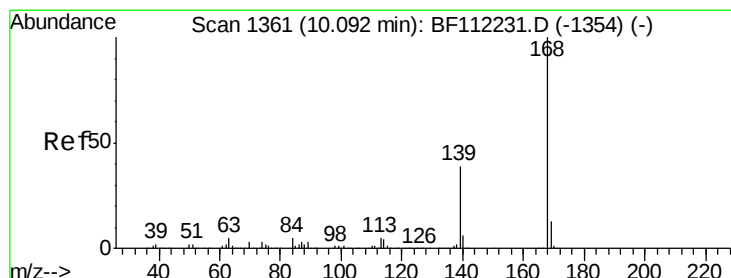
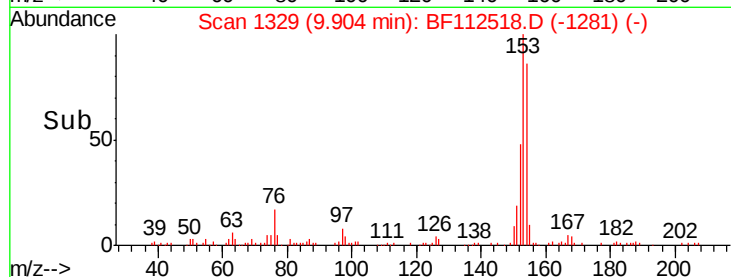
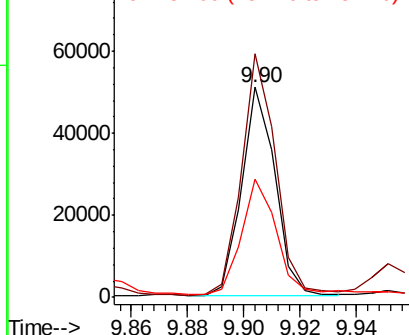


Abundance

Ion 154.00 (153.70 to 154.70): E

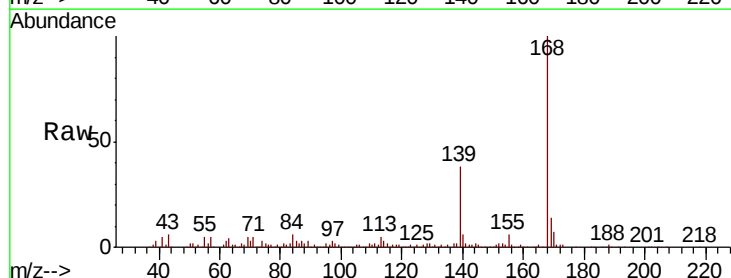
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55
Dibenzofuran
Concen: 12.951 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.4	29.2	43.8
169	13.8	11.4	17.0

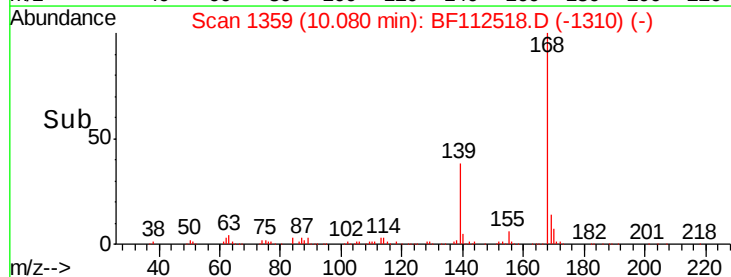
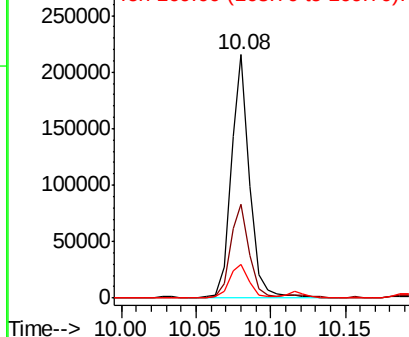


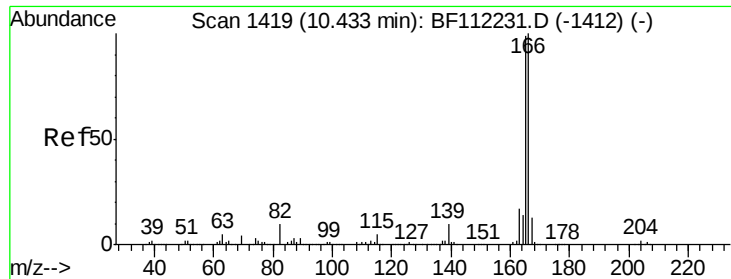
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





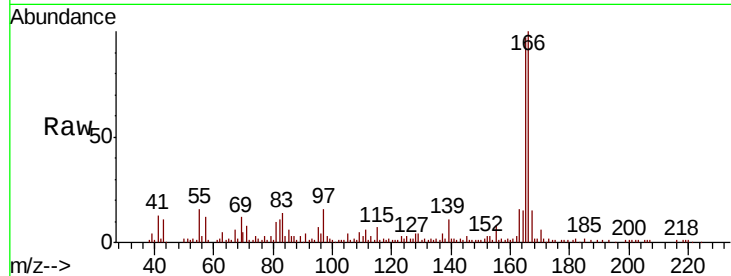
#58
 Fluorene
 Concen: 5.941 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF112518.D
 Acq: 12 Feb 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-H

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		63572		
165	97.5	77.1	115.7		
167	15.3	11.3	16.9		

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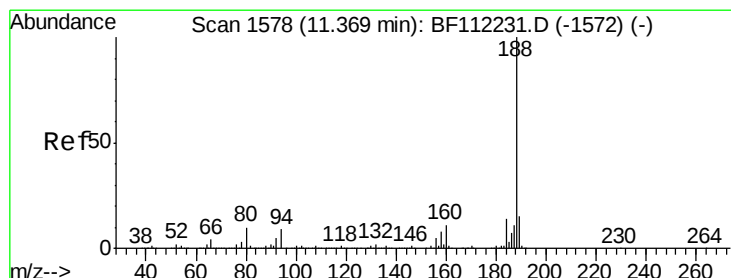
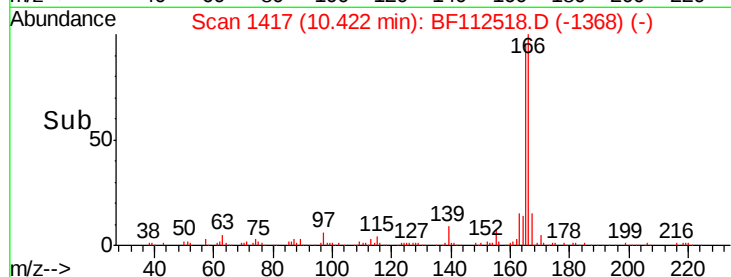
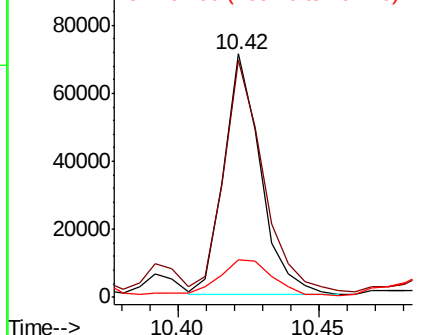


Abundance

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: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112518.D
 Acq: 12 Feb 2019 20:27

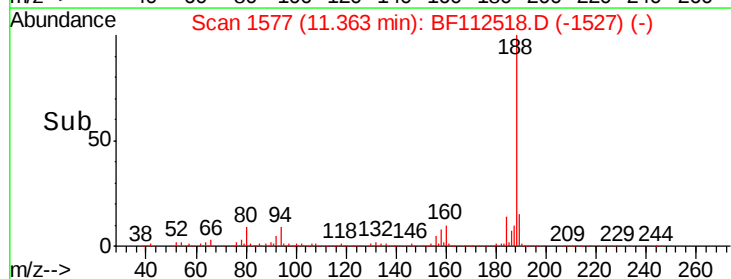
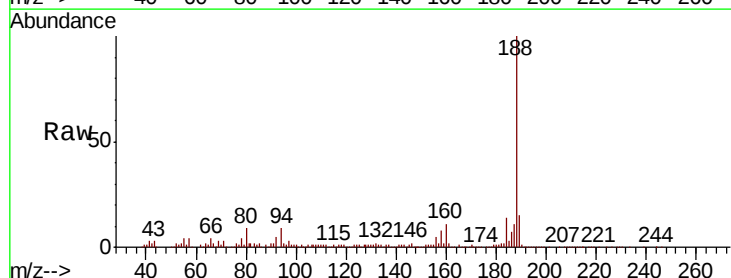
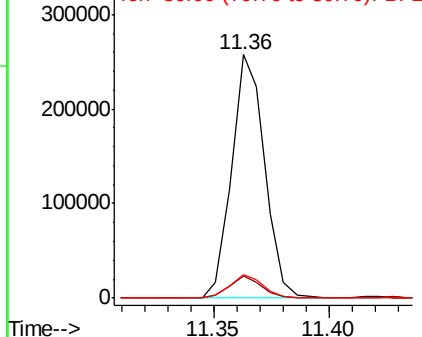
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		255540		
94	9.2	8.2	12.2		
80	9.5	8.9	13.3		

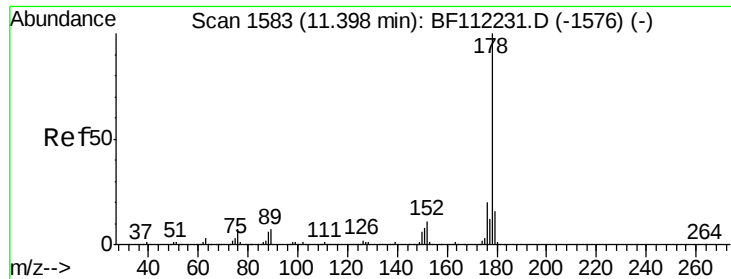
Abundance

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: 131.501 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Instrument :

BNA_F

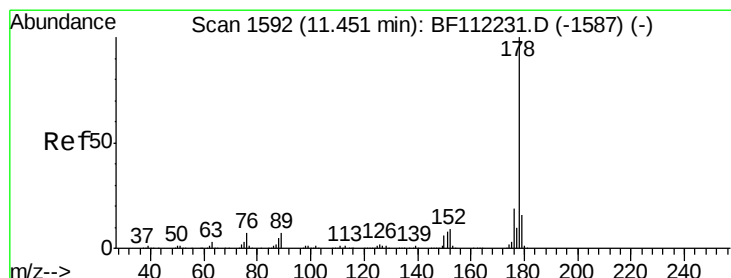
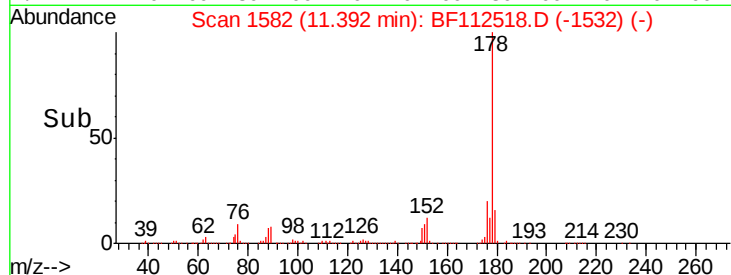
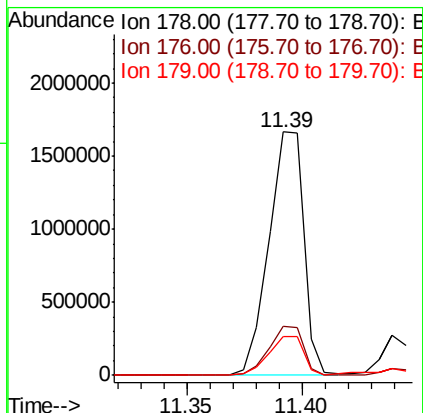
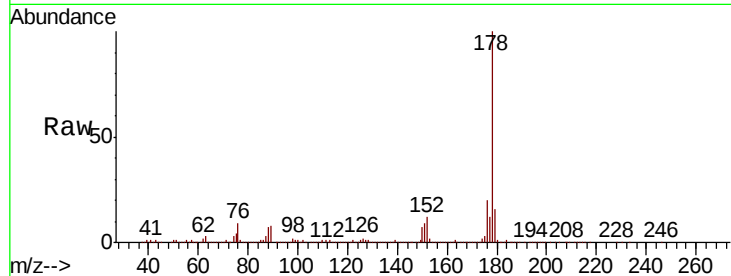
ClientSampleId :

JC-02-021119-H

Tot	Ion:178	Resp:	1747014
Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.3	24.5
179	16.2	13.0	19.4

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#72

Anthracene

Concen: 18.599 ng

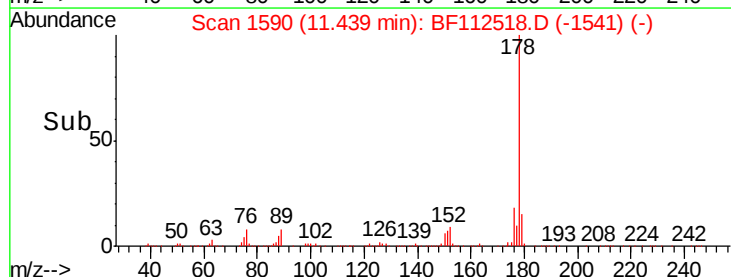
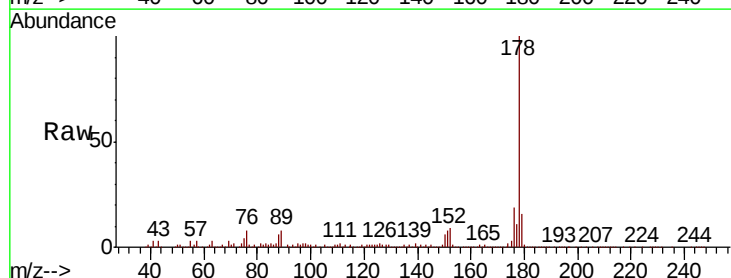
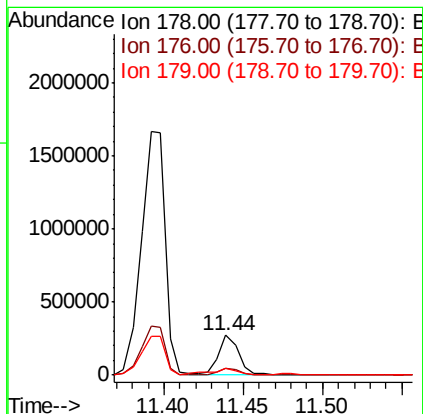
RT: 11.44 min Scan# 1590

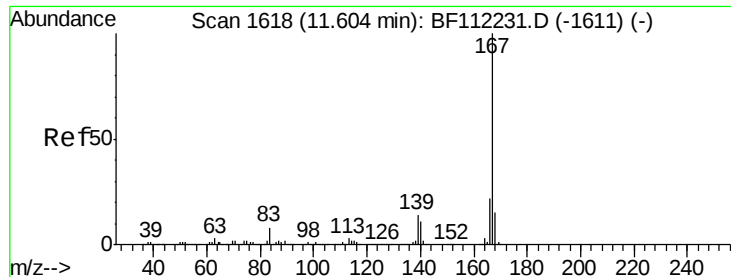
Delta R.T. -0.01 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Tgt	Ion:178	Resp:	246138
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.9	12.8	19.2





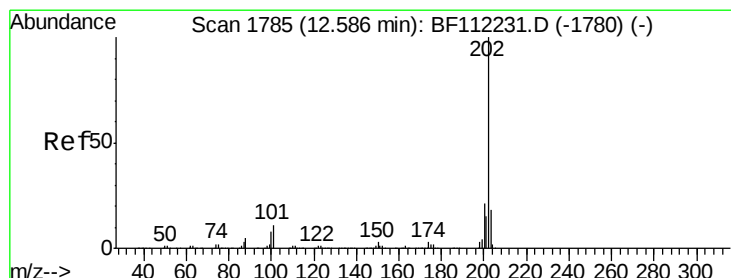
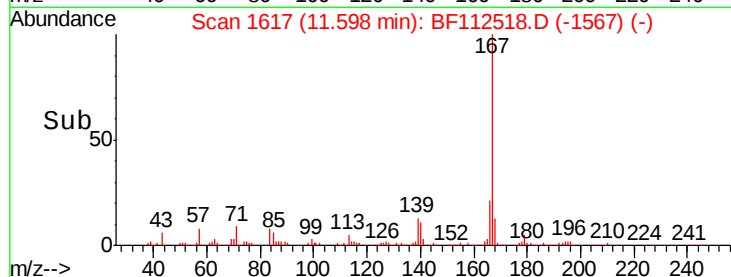
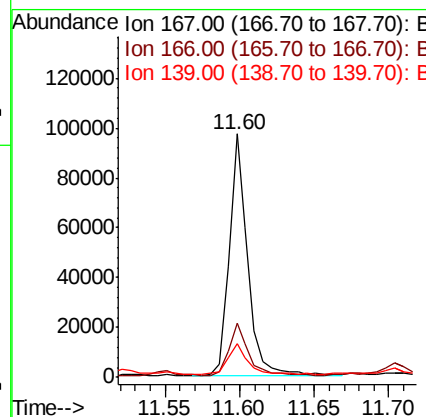
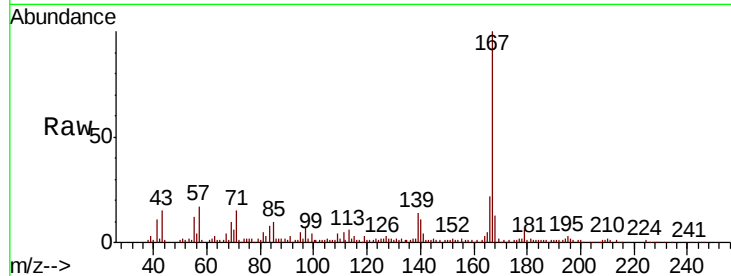
#73
 Carbazole
 Concen: 6.454 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF112518.D
 Acq: 12 Feb 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	14.0	10.2	15.2

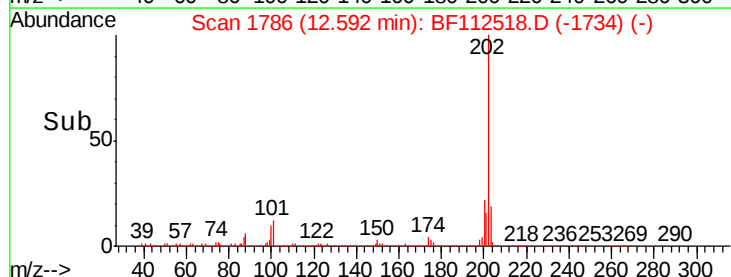
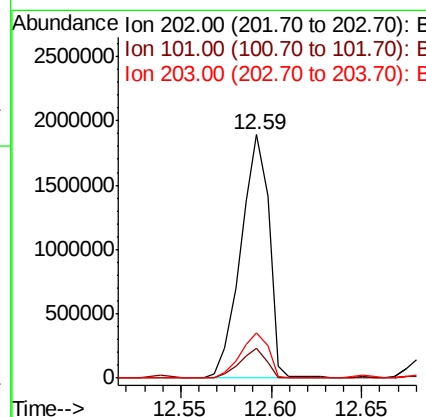
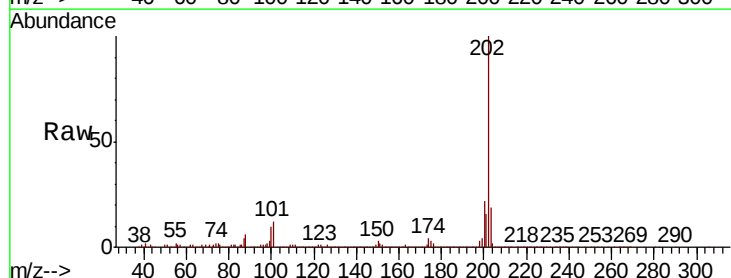
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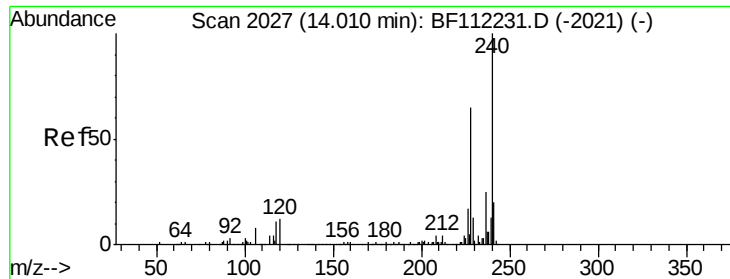
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#75
 Fluoranthene
 Concen: 142.969 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BF112518.D
 Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.8
203	18.6	0.0	38.4





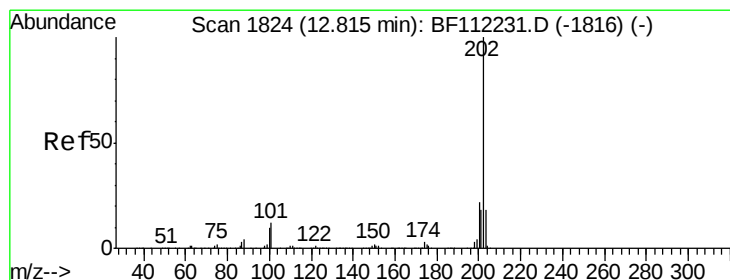
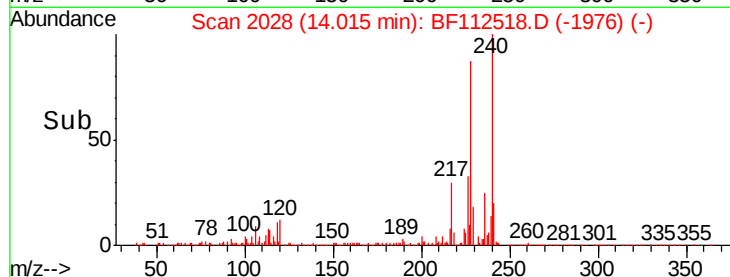
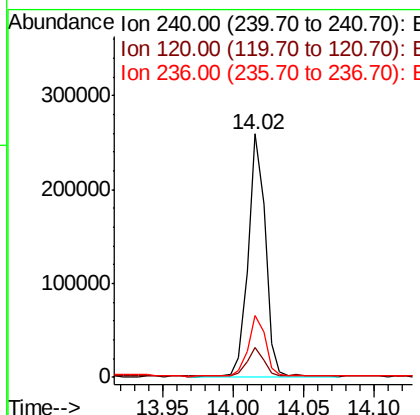
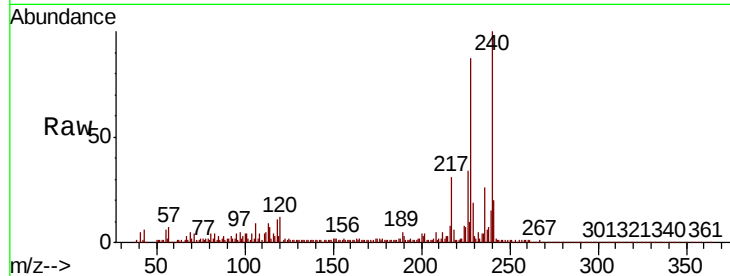
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.0	13.6
236	25.7	20.7	31.1

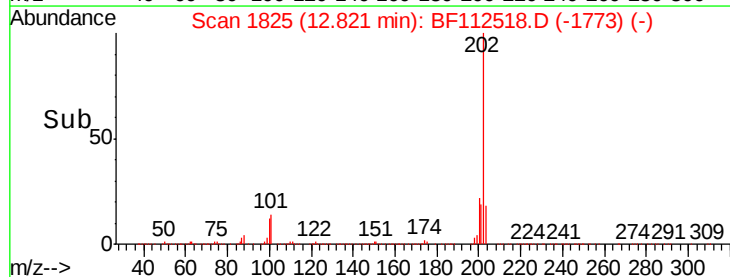
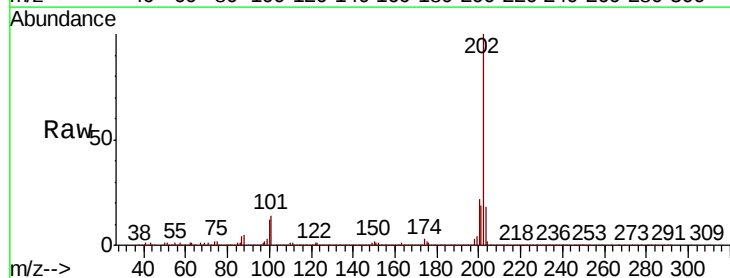
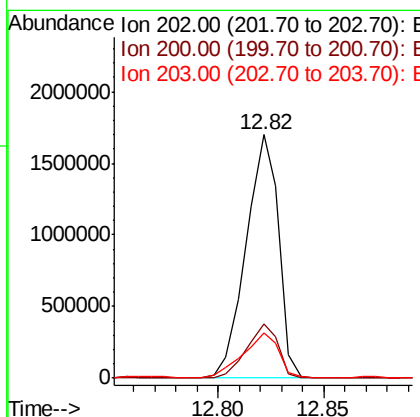
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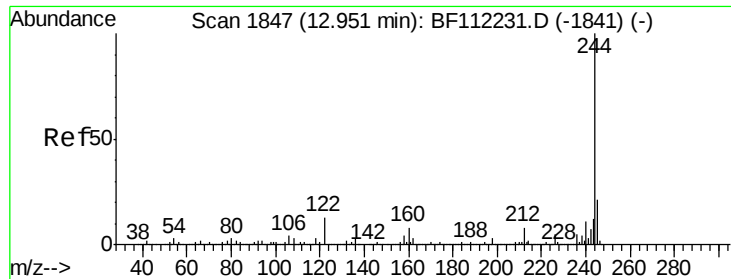
Sohil
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#78
Pyrene
Concen: 118.588 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.7	26.5
203	18.4	14.6	22.0





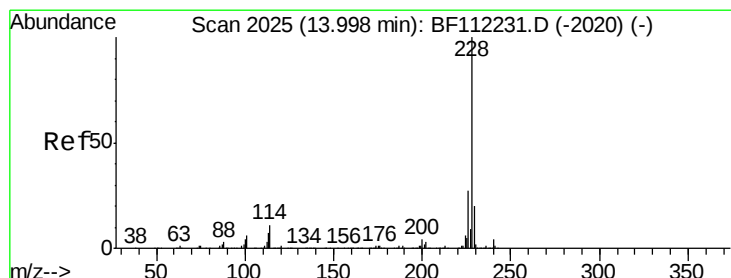
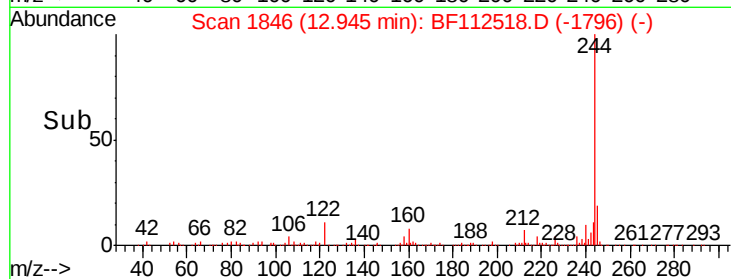
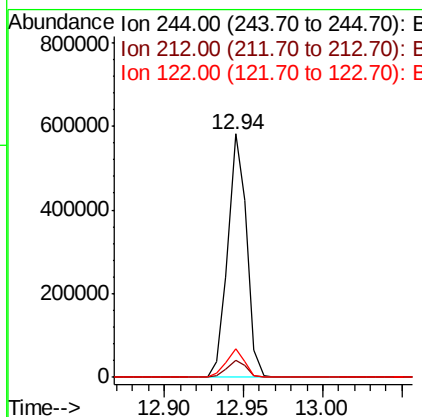
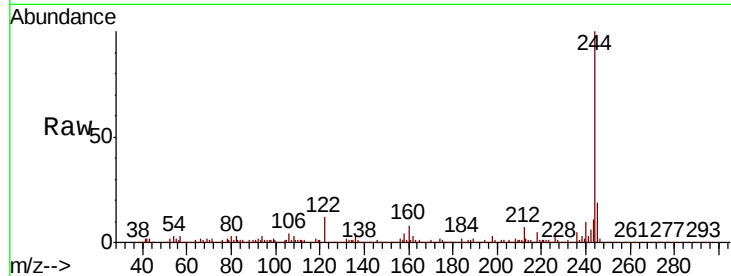
#79
 Terphenyl-d14
 Concen: 41.081 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112518.D
 Acq: 12 Feb 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-H

Tot Ion:	244	Resp:	481725
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.6	9.8	14.6

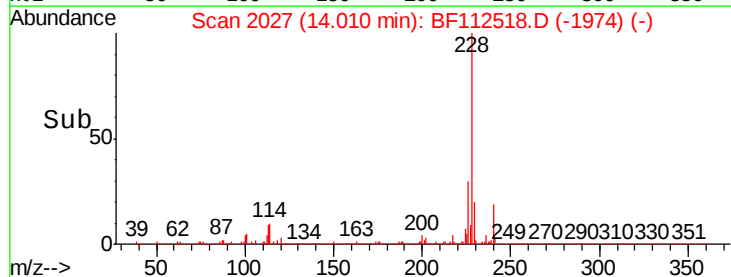
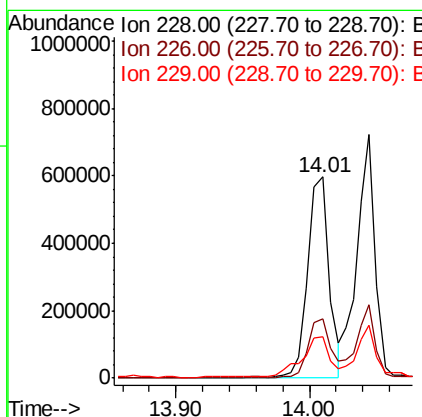
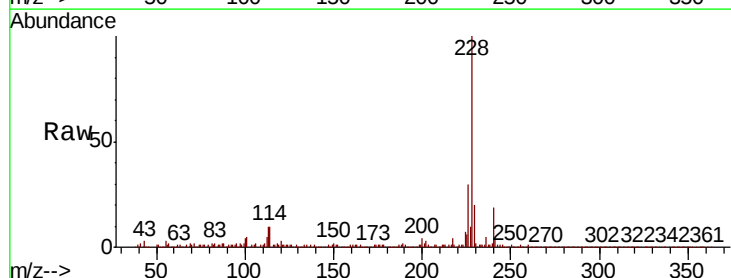
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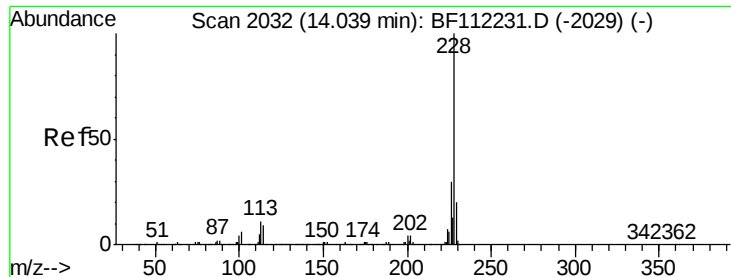
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#81
 Benzo(a)anthracene
 Concen: 50.472 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF112518.D
 Acq: 12 Feb 2019 20:27

Tgt Ion:	228	Resp:	655276
Ion Ratio		Lower	Upper
228	100		
226	29.8	22.6	34.0
229	20.4	16.5	24.7





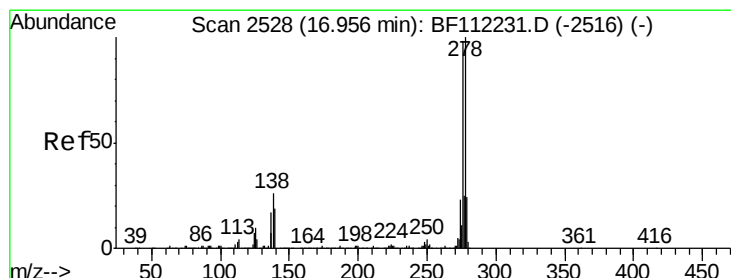
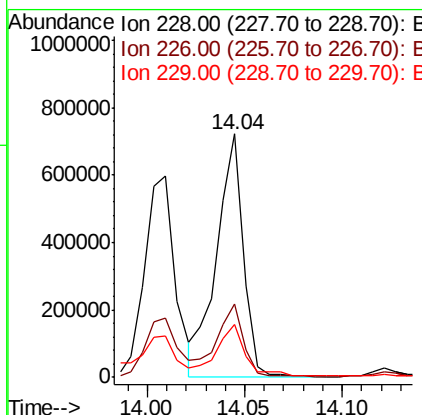
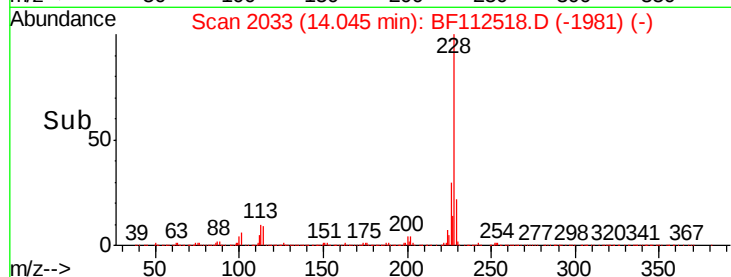
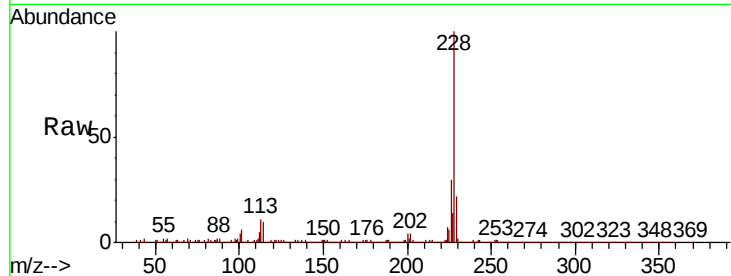
#83
Chrysene
Concen: 55.391 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion:	228	Resp:	686458
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	21.9	16.6	24.8

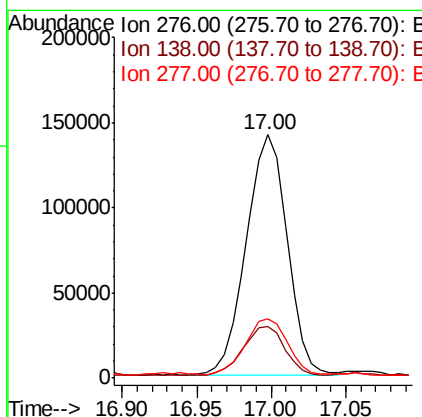
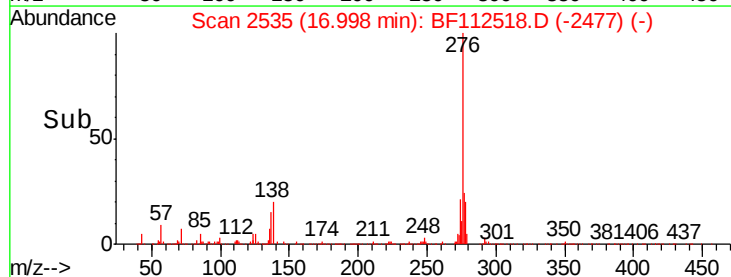
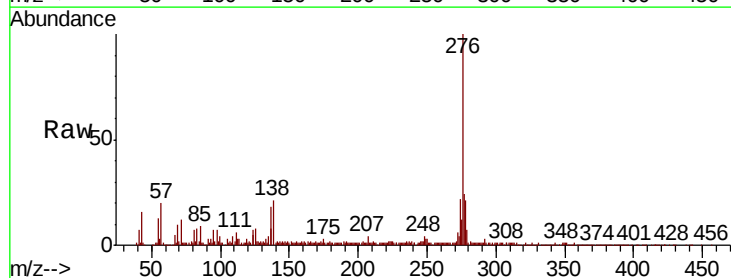
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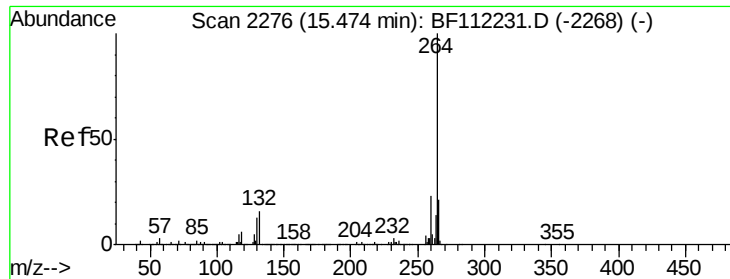
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 27.404 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.04 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion:	276	Resp:	269106
Ion Ratio	Lower	Upper	
276	100		
138	20.5	22.6	34.0#
277	24.1	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BF112518.D

Acq: 12 Feb 2019 20:27

Instrument :

BNA_F

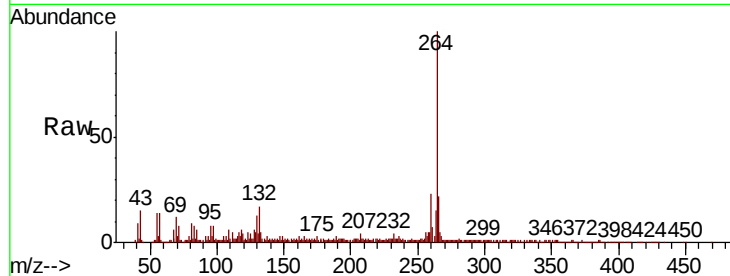
ClientSampleId :

JC-02-021119-H

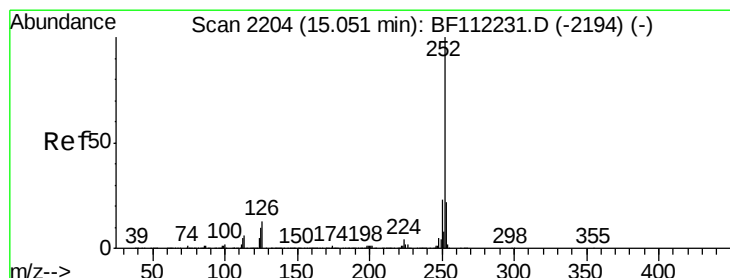
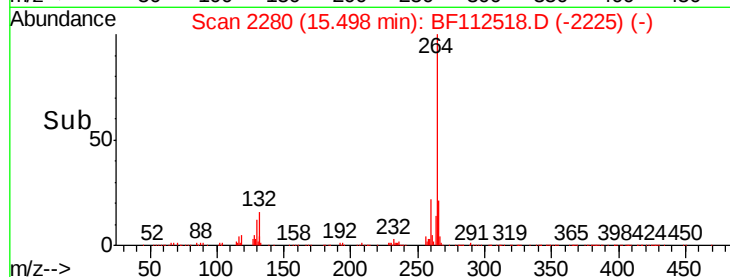
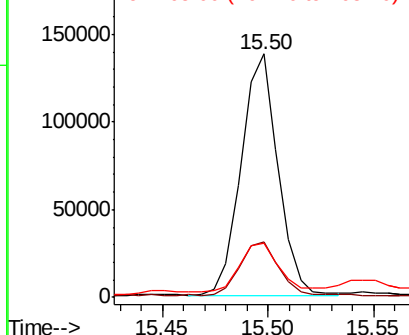
Tot Ion:	264	Resp:	166624
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.2	27.2
265	22.4	17.0	25.4

Manual Integrations
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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: 72.999 ng m

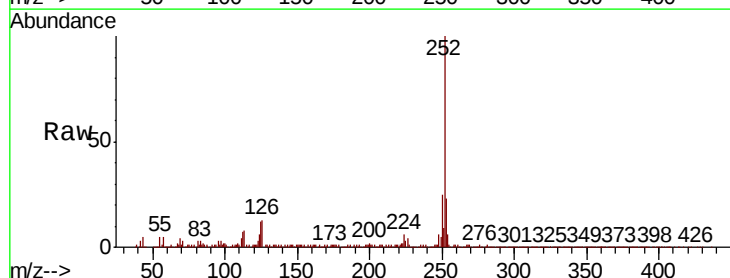
RT: 15.07 min Scan# 2207

Delta R.T. 0.02 min

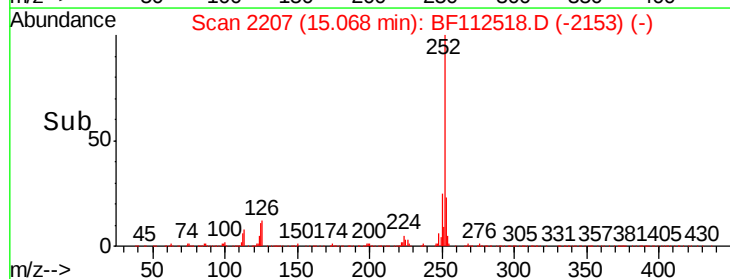
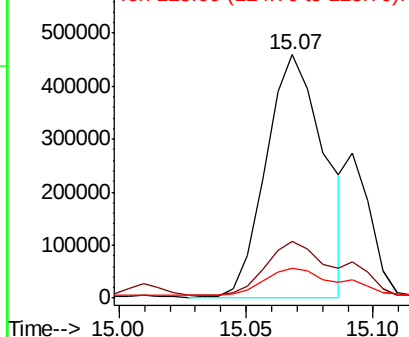
Lab File: BF112518.D

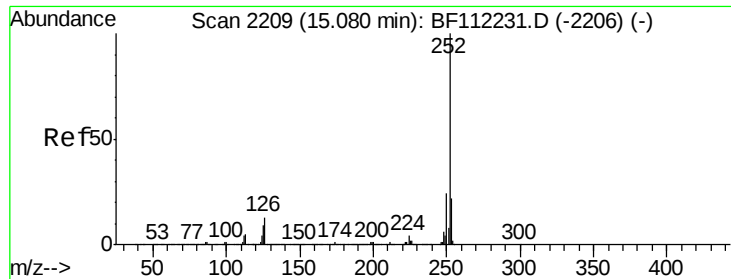
Acq: 12 Feb 2019 20:27

Tgt Ion:	252	Resp:	727428
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	12.4	8.7	13.1



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





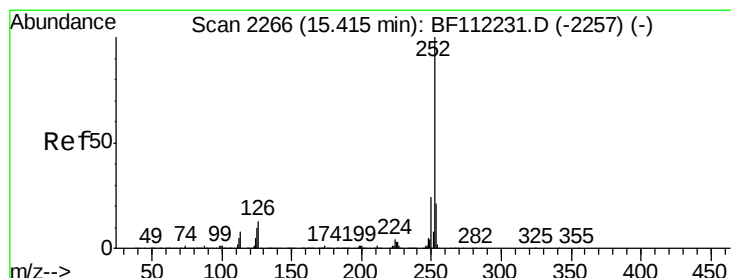
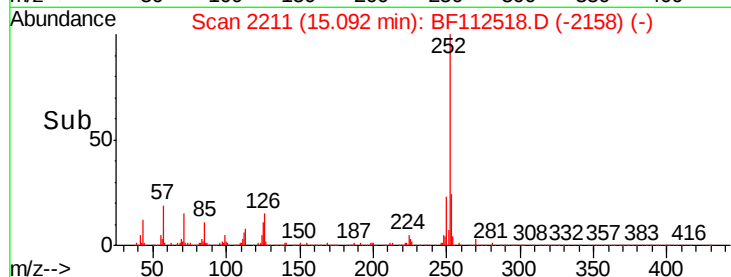
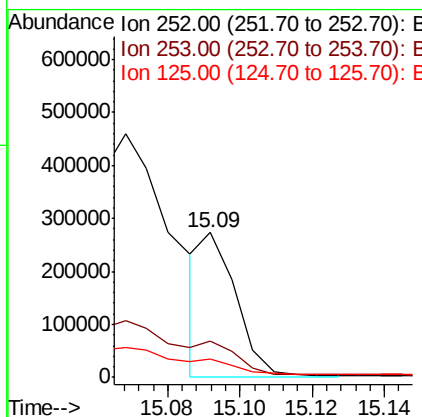
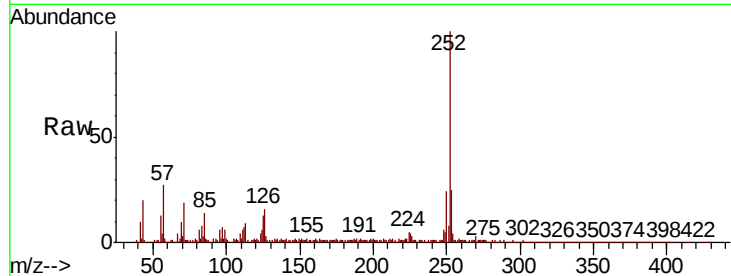
#89
Benzo(k)fluoranthene
Concen: 19.259 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	12.8	9.1	13.7

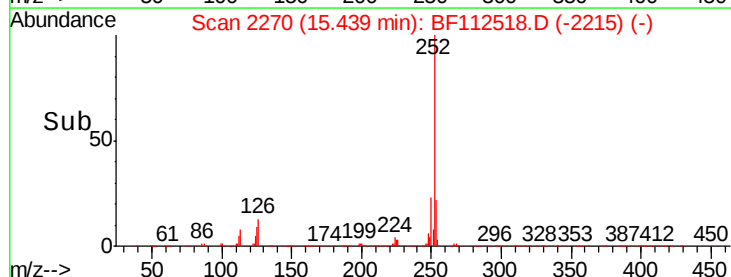
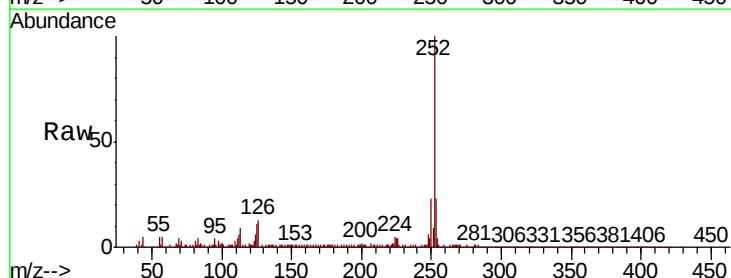
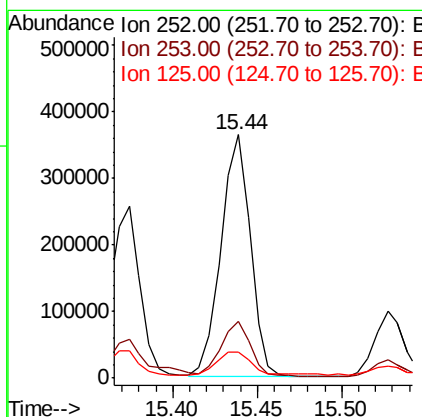
Manual Integrations
APPROVED

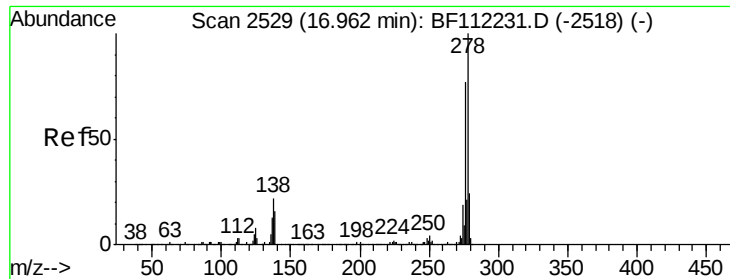
Sohil
2/13/2019 11:12:22 AM



#90
Benzo(a)pyrene
Concen: 49.407 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.9	9.0	13.4





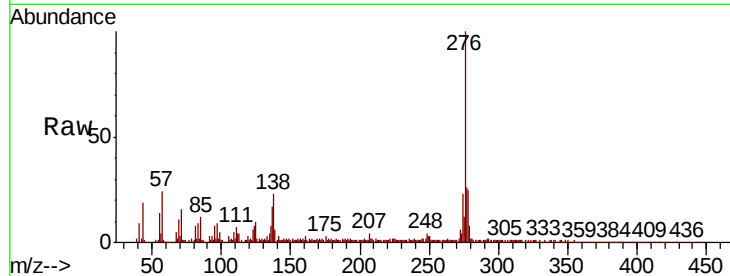
#91
Dibenzo(a,h)anthracene
Concen: 8.618 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.03 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-H

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.8	13.7	20.5#
279	30.4	19.0	28.6#

Manual Integrations
APPROVED

Sohil
2/13/2019 11:12:22 AM

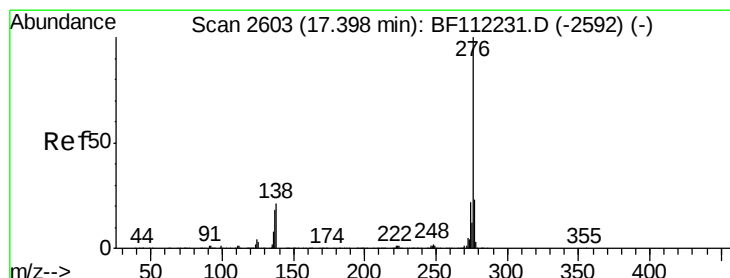
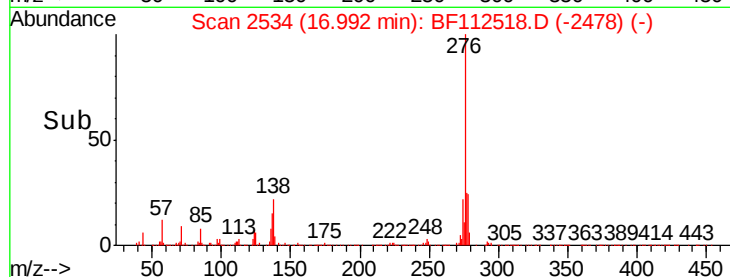
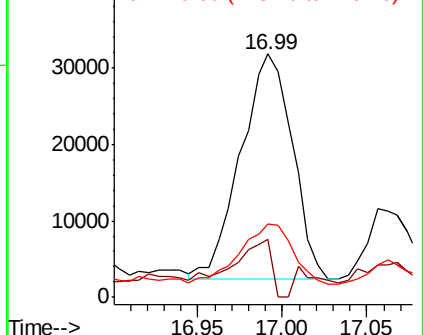


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 36.680 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112518.D
Acq: 12 Feb 2019 20:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	21.4	19.1	28.7

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

