

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
 Data File : BF112523.D
 Acq On : 12 Feb 2019 22:50
 Operator : JU/SJ
 Sample : K1343-09 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 2/13/2019 11:12:28 AM

Quant Time: Feb 13 05:06:54 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	117077	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	426039	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	174777	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	309161	20.00	ng	0.00
76) Chrysene-d12	14.02	240	266962	20.00	ng	0.00
87) Perylene-d12	15.49	264	197704	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	117227	21.27	ng	0.00
7) Phenol-d6	6.49	99	142700	18.63	ng	0.00
23) Nitrobenzene-d5	7.40	82	83744	11.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	31996	15.73	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	169450	13.71	ng	-0.01
79) Terphenyl-d14	12.95	244	164994	11.64	ng	0.00
Target Compounds						
71) Phenanthrene	11.39	178	128468	7.993	ng	98
72) Anthracene	11.45	178	41682	2.603	ng	100
75) Fluoranthene	12.58	202	130658	7.579	ng	99
78) Pyrene	12.82	202	107459	5.814	ng	99
81) Benzo(a)anthracene	14.00	228	48079	3.064	ng	98
83) Chrysene	14.04	228	39565	2.641	ng	95
88) Benzo(b)fluoranthene	15.06	252	32465m	2.746	ng	
90) Benzo(a)pyrene	15.43	252	22226	2.089	ng	# 82

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

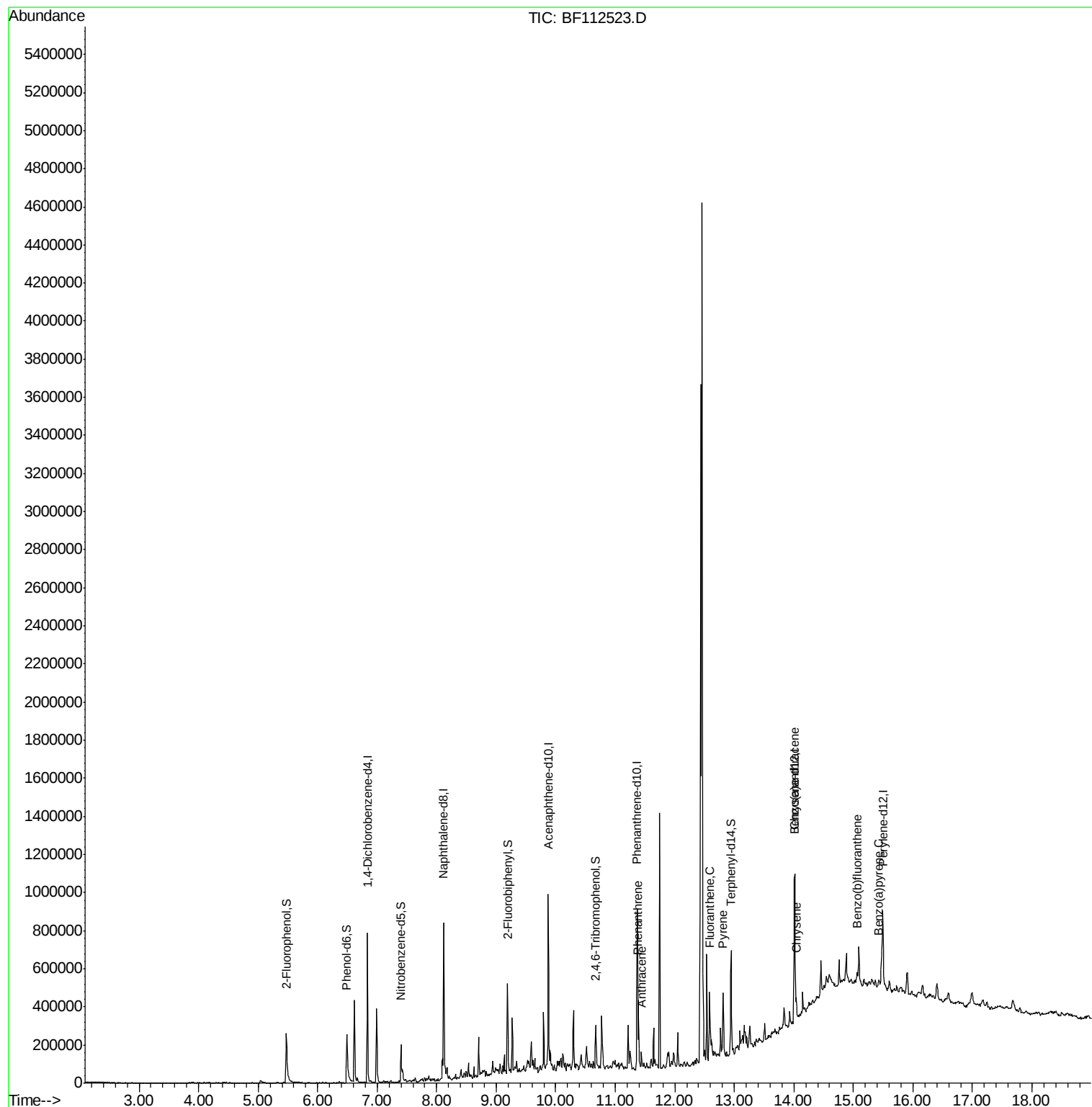
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112523.D
Acq On : 12 Feb 2019 22:50
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

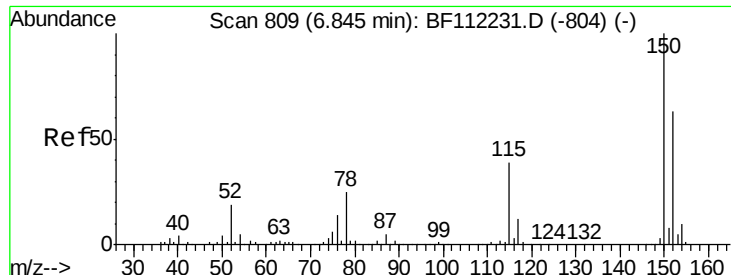
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Manual Integrations
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2/13/2019 11:12:28 AM

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#1

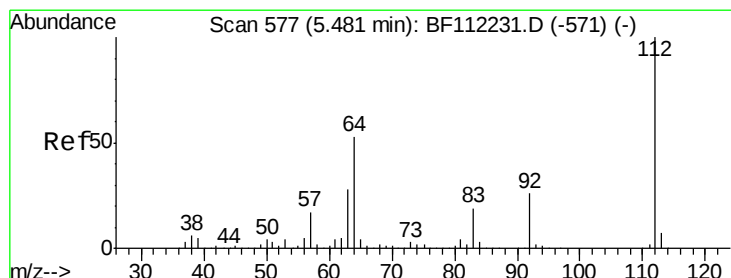
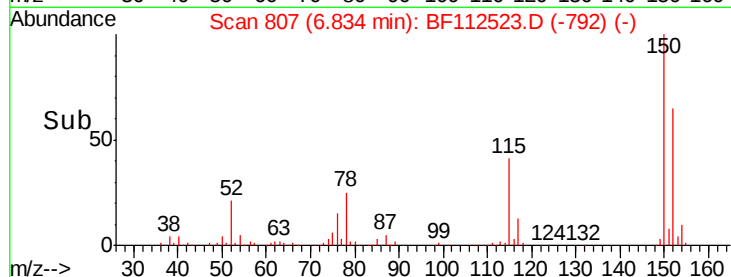
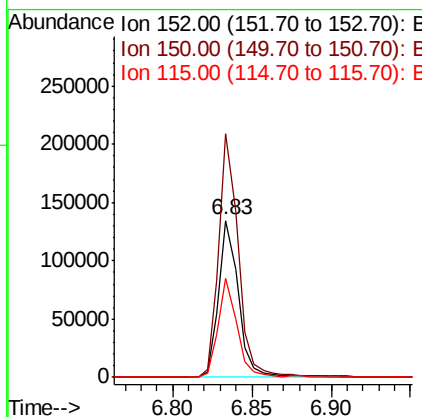
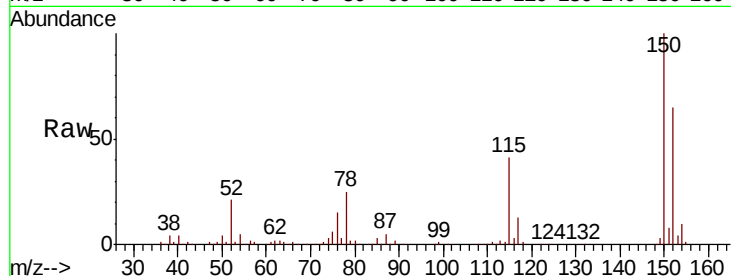
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.4	191.0
115	63.2	45.5	68.3

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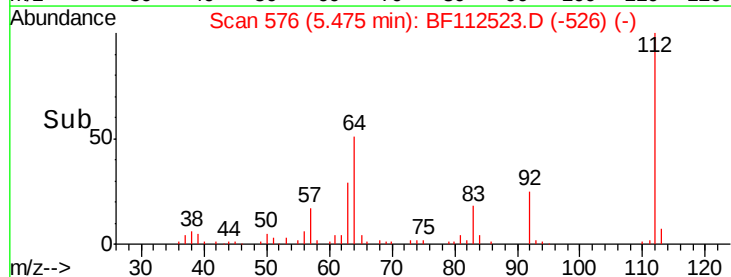
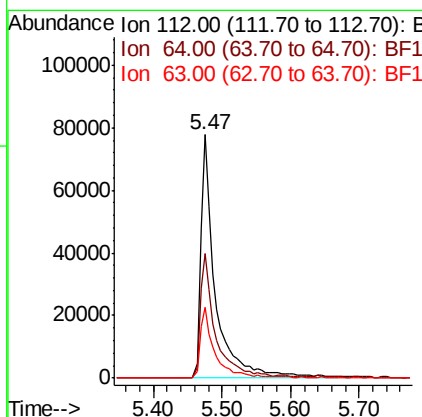
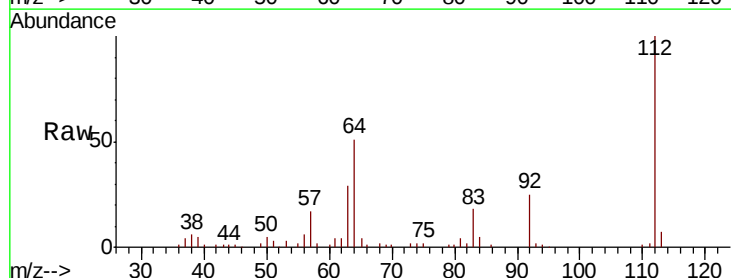
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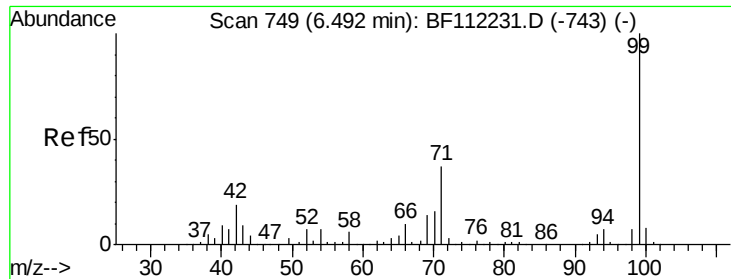


#5

2-Fluorophenol
Concen: 21.268 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	45.7	68.5
63	29.1	23.6	35.4





#7

Phenol-d6

Concen: 18.631 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

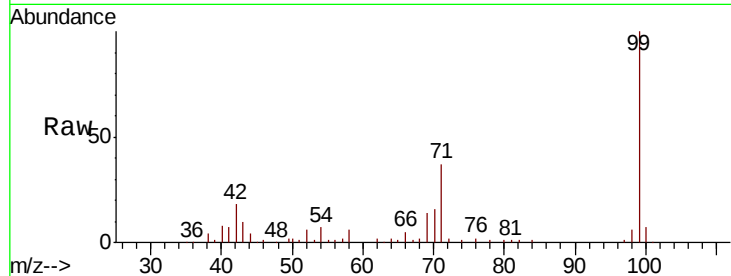
ClientSampleId :

JC-02-021119-E

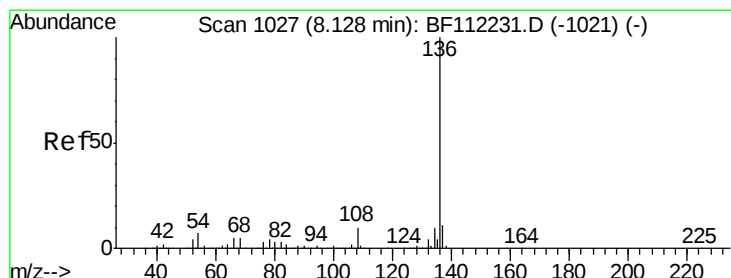
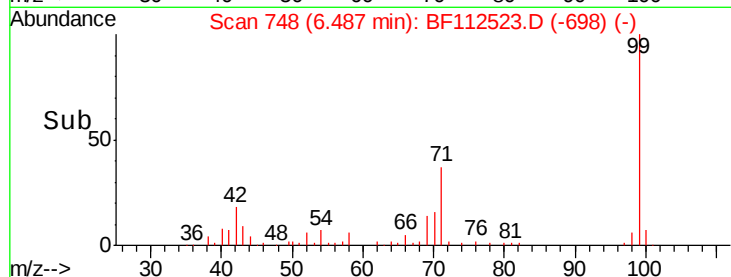
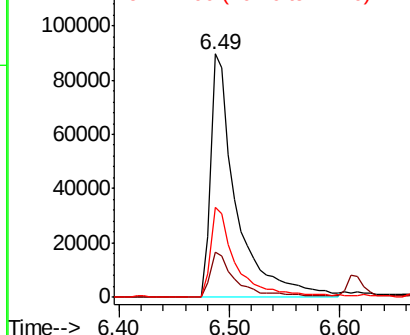
Tot Ion:	99	Resp:	142700
Ion Ratio	Lower	Upper	
99	100		
42	18.3	15.1	22.7
71	36.9	26.9	40.3

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

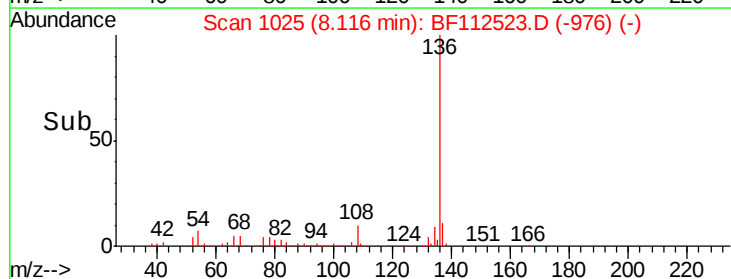
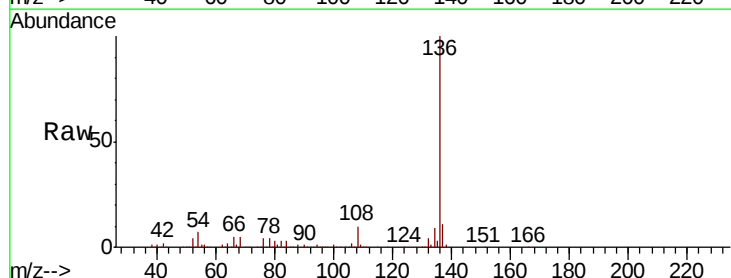
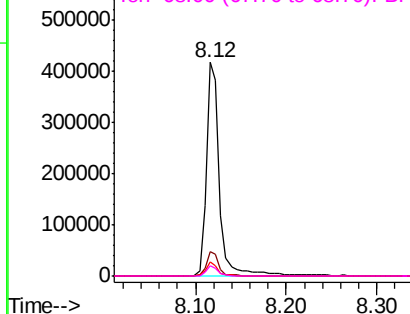
Delta R.T. -0.01 min

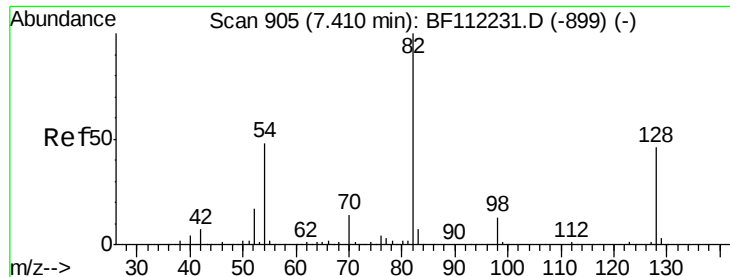
Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Tgt Ion:	136	Resp:	426039
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	6.6	5.9	8.9
68	4.7	5.1	7.7#

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: 11.326 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

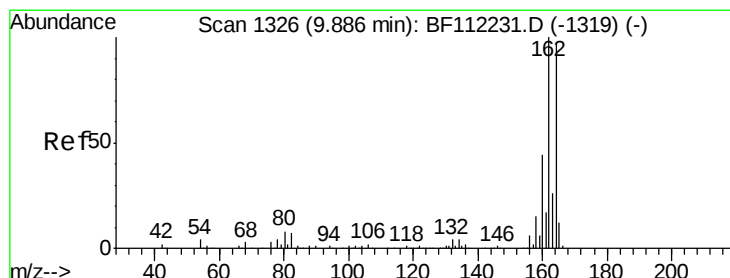
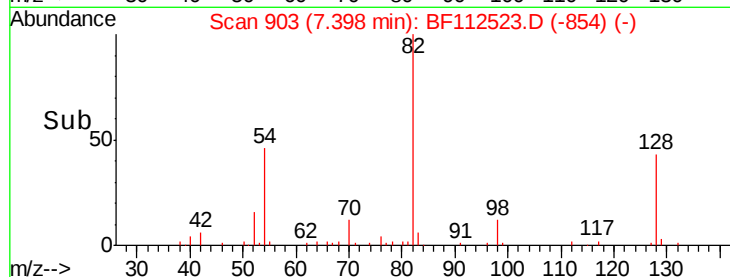
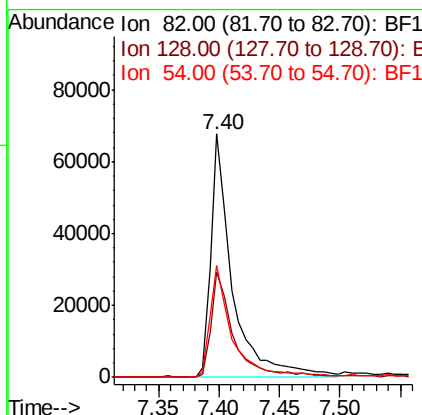
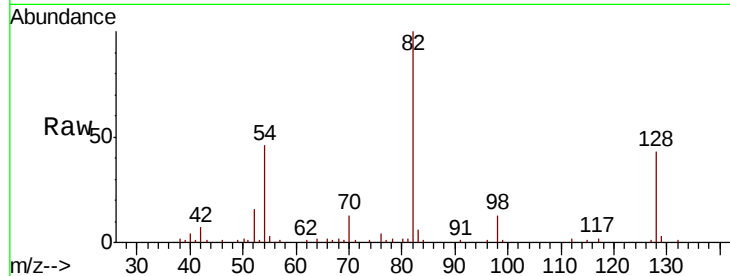
ClientSampleId :

JC-02-021119-E

Tot Ion:	82	Resp:	83744
Ion	Ratio	Lower	Upper
82	100		
128	43.2	37.8	56.8
54	45.8	39.7	59.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

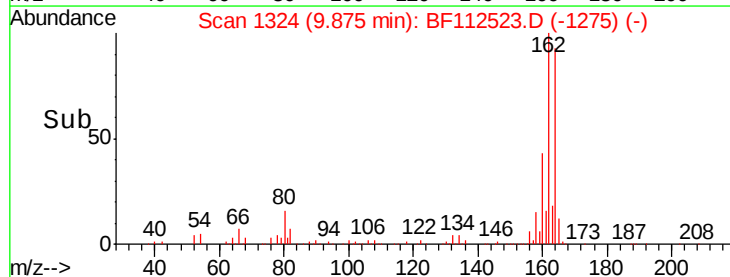
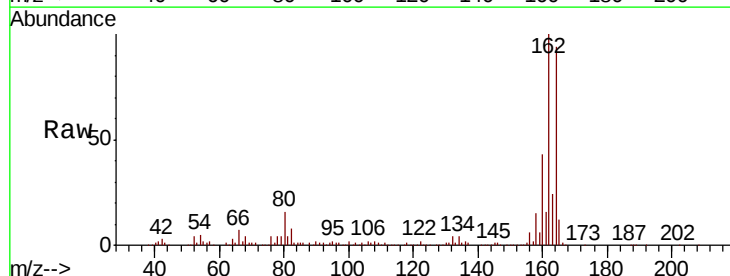
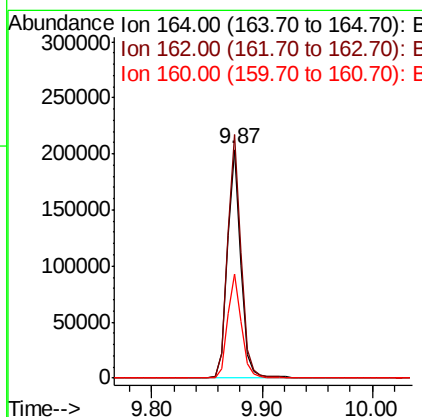
RT: 9.87 min Scan# 1324

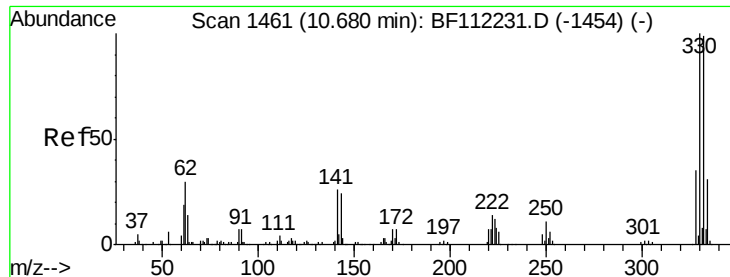
Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Tgt Ion:	164	Resp:	174777
Ion	Ratio	Lower	Upper
164	100		
162	106.5	82.2	123.4
160	45.4	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 15.728 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

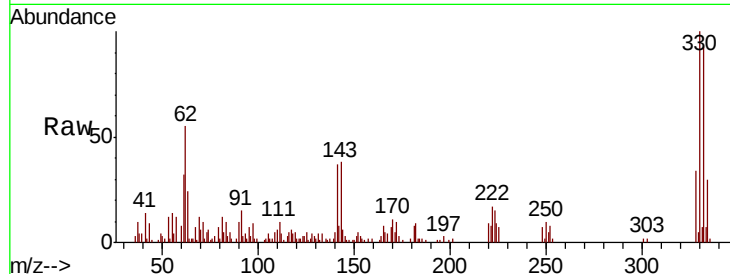
ClientSampleId :

JC-02-021119-E

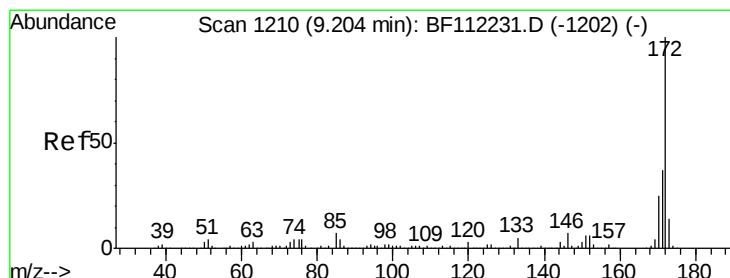
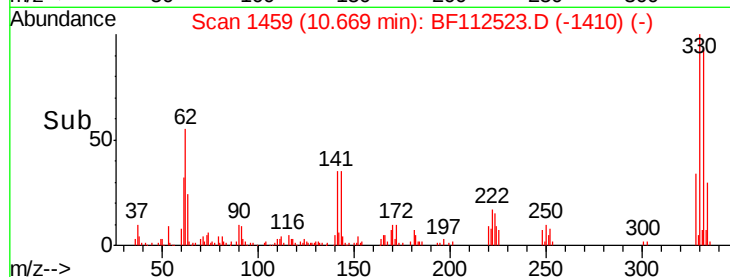
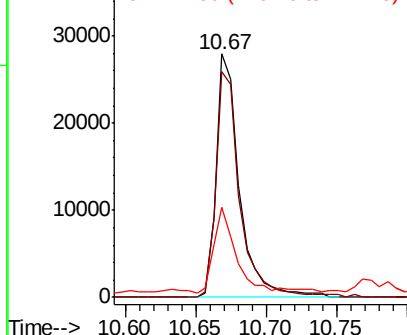
Tot Ion:	330	Resp:	31996
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.6	114.8
141	32.0	24.3	36.5

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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: 13.712 ng

RT: 9.19 min Scan# 1208

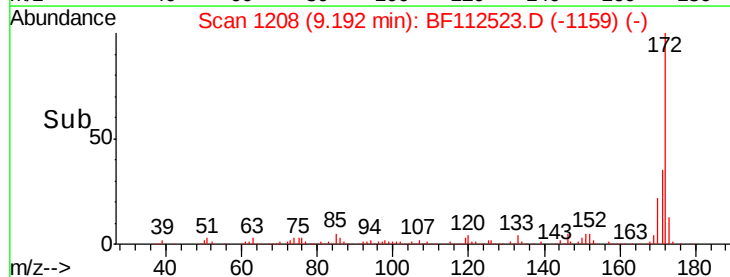
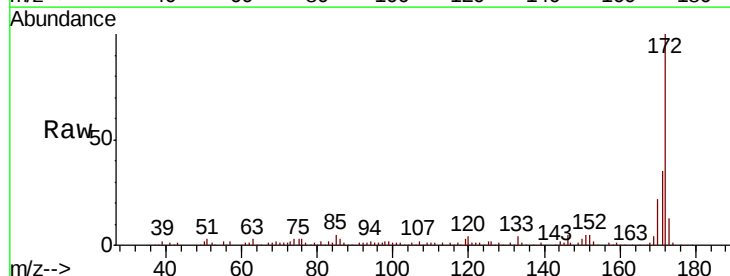
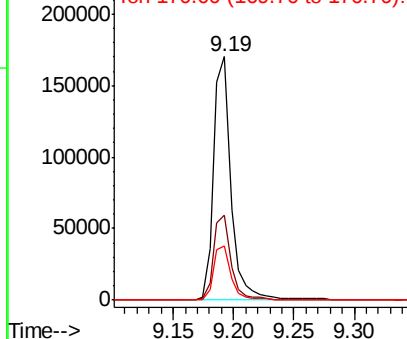
Delta R.T. -0.01 min

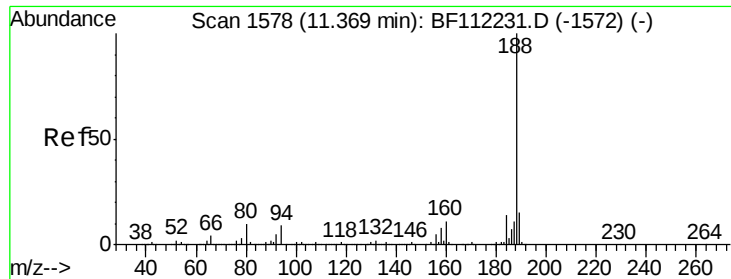
Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Tgt Ion:	172	Resp:	169450
Ion Ratio	Lower	Upper	
172	100		
171	34.7	30.5	45.7
170	22.5	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





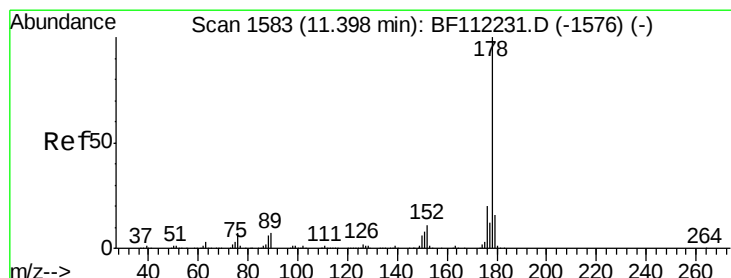
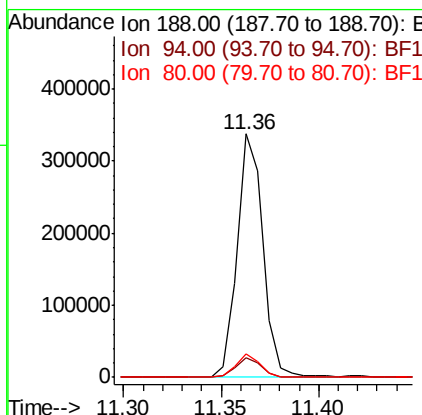
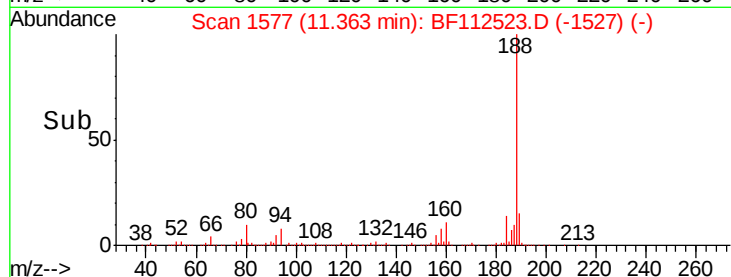
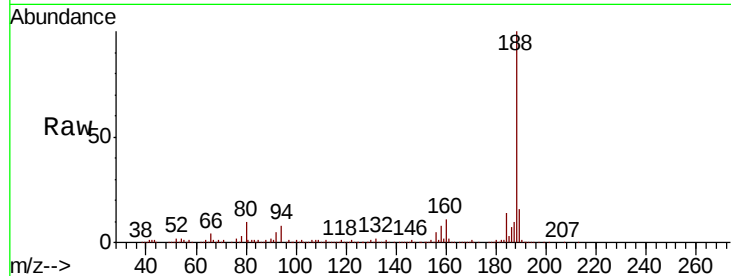
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	309161		
94	8.2		8.2	12.2
80	9.7		8.9	13.3

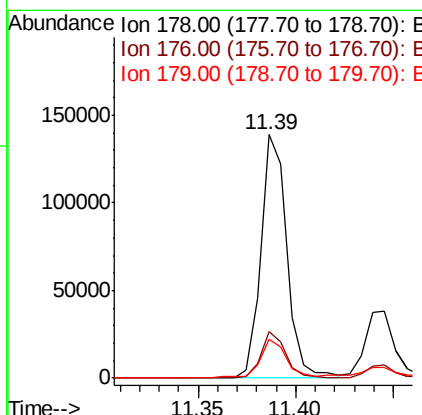
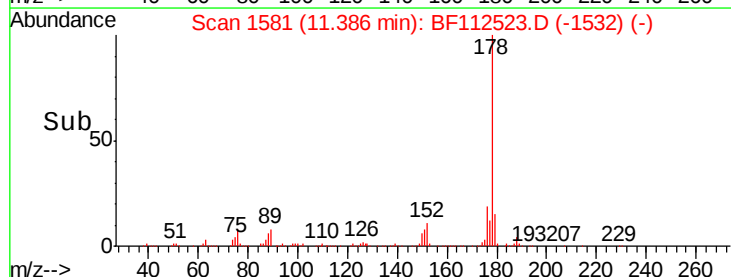
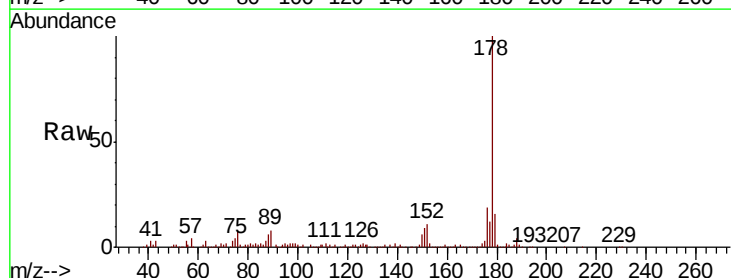
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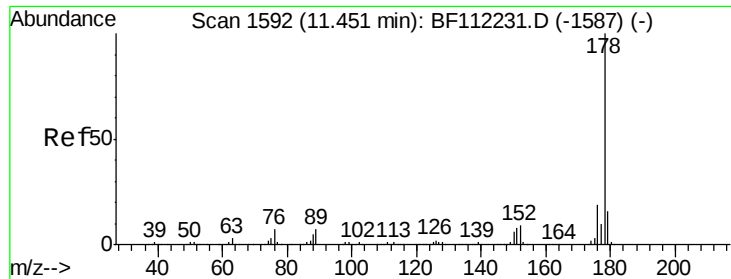
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#71
Phenanthrene
Concen: 7.993 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	128468		
176	18.8		16.3	24.5
179	15.8		13.0	19.4





#72

Anthracene

Concen: 2.603 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

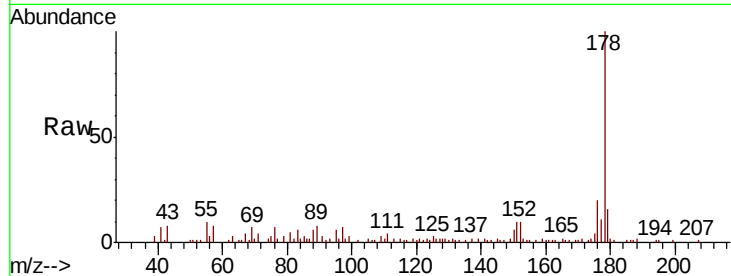
ClientSampleId :

JC-02-021119-E

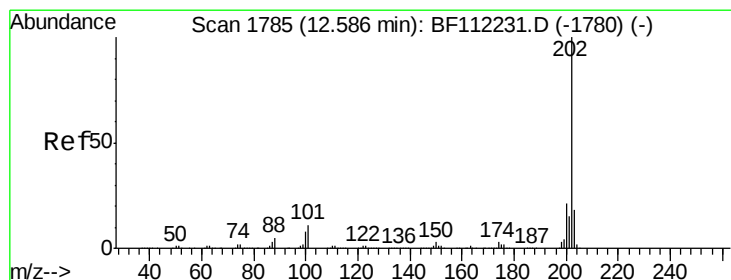
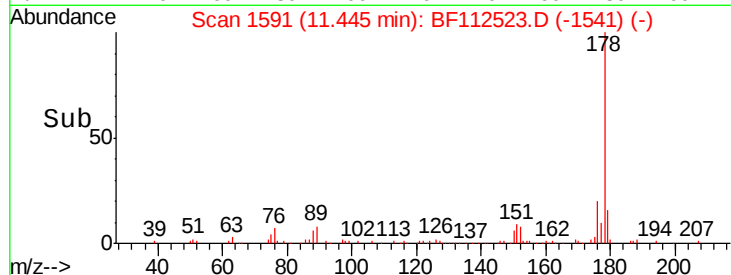
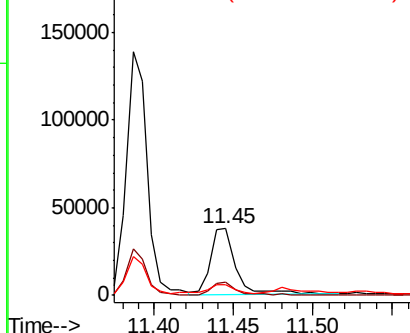
Tot Ion:	178	Resp:	41682
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.5	23.3
179	16.1	12.8	19.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.579 ng

RT: 12.58 min Scan# 1784

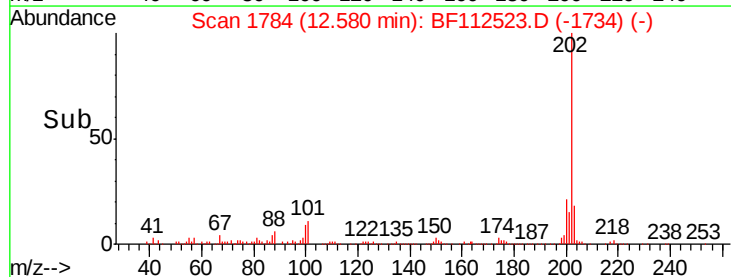
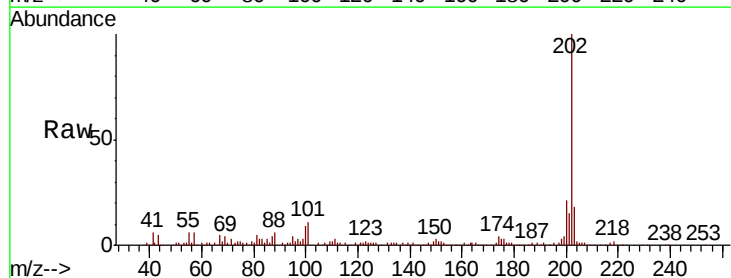
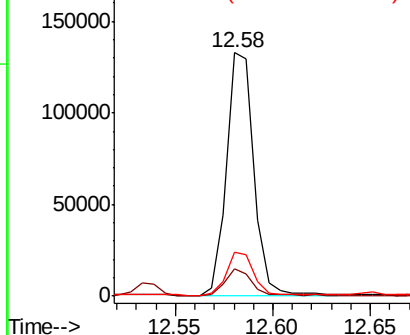
Delta R.T. -0.01 min

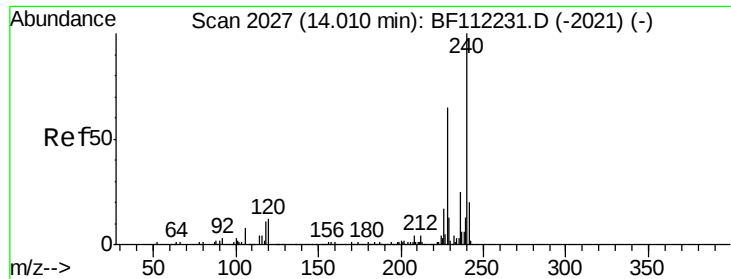
Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Tgt Ion:	202	Resp:	130658
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.8
203	18.1	0.0	38.4

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# 2028

Delta R.T. 0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

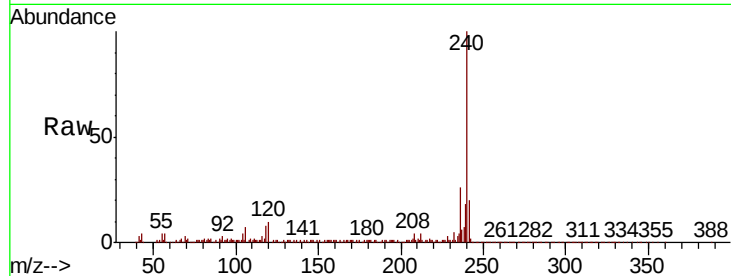
ClientSampleId :

JC-02-021119-E

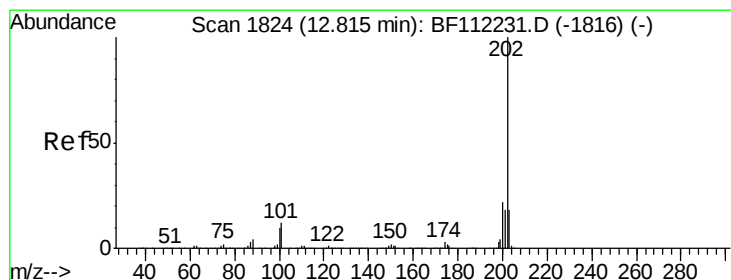
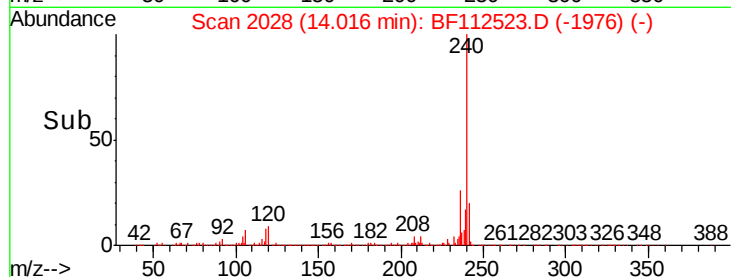
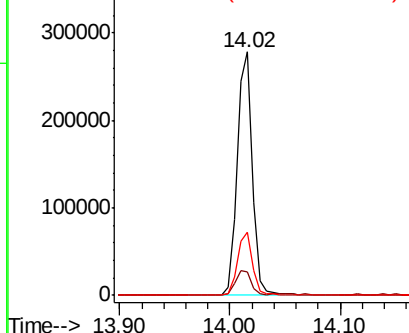
Tot Ion:	240	Resp:	266962
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.0	13.6
236	26.0	20.7	31.1

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



#78

Pyrene

Concen: 5.814 ng

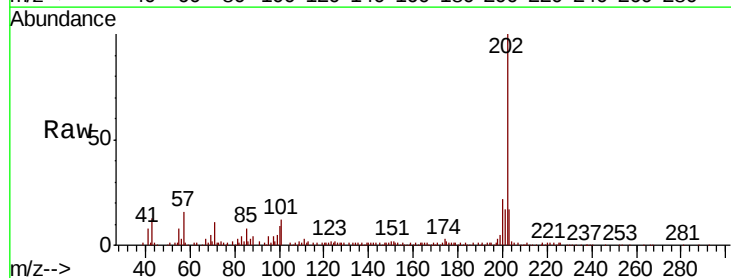
RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

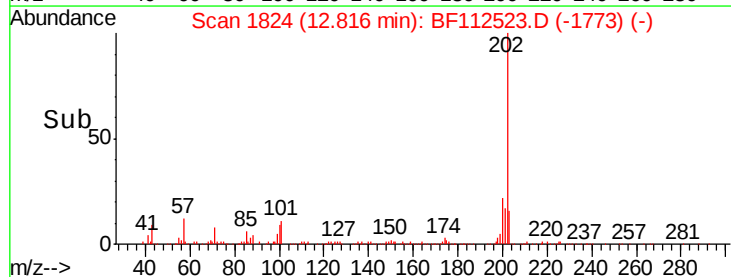
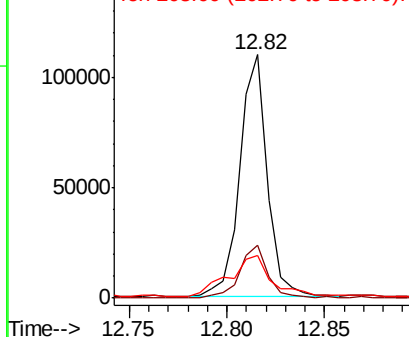
Lab File: BF112523.D

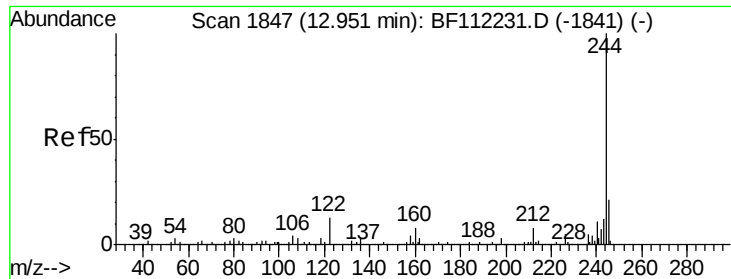
Acq: 12 Feb 2019 22:50

Tgt Ion:	202	Resp:	107459
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	17.3	14.6	22.0



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





#79

Terphenyl-d14

Concen: 11.641 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Instrument :

BNA_F

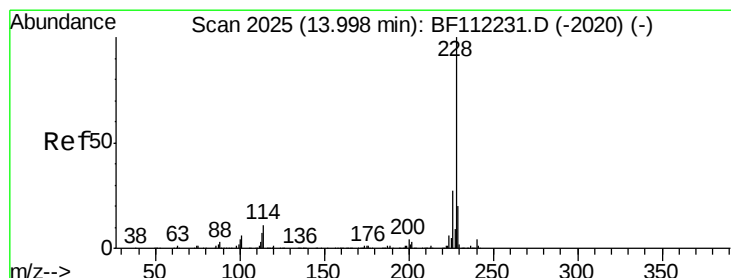
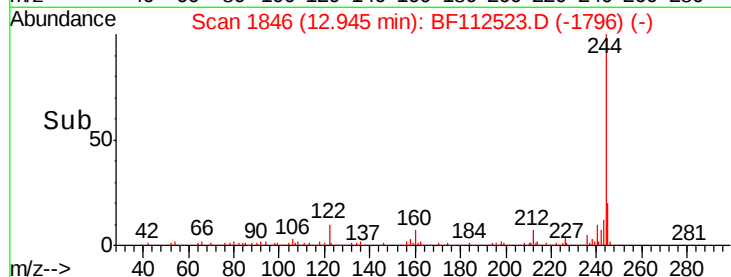
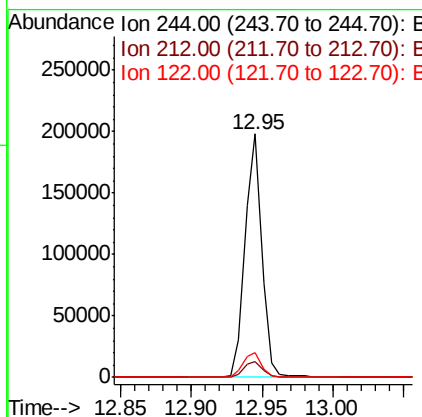
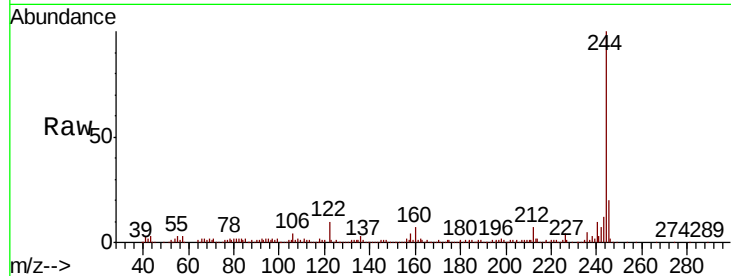
ClientSampleId :

JC-02-021119-E

Tot Ion:	244	Resp:	164994
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.9	8.9
122	10.3	9.8	14.6

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#81

Benzo(a)anthracene

Concen: 3.064 ng

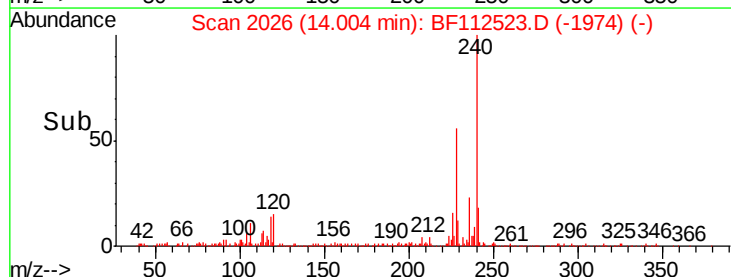
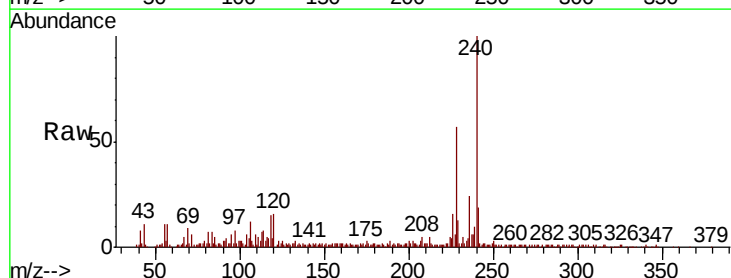
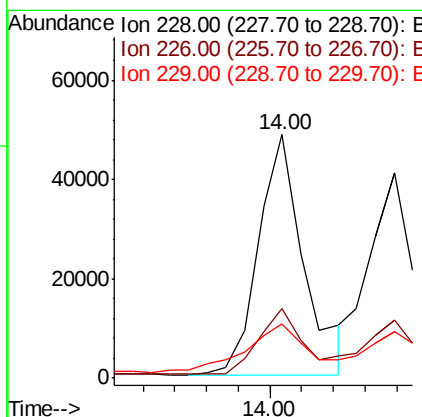
RT: 14.00 min Scan# 2026

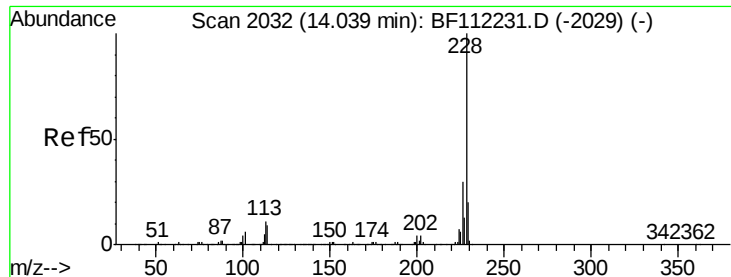
Delta R.T. 0.01 min

Lab File: BF112523.D

Acq: 12 Feb 2019 22:50

Tgt Ion:	228	Resp:	48079
Ion Ratio		Lower	Upper
228	100		
226	28.8	22.6	34.0
229	22.4	16.5	24.7





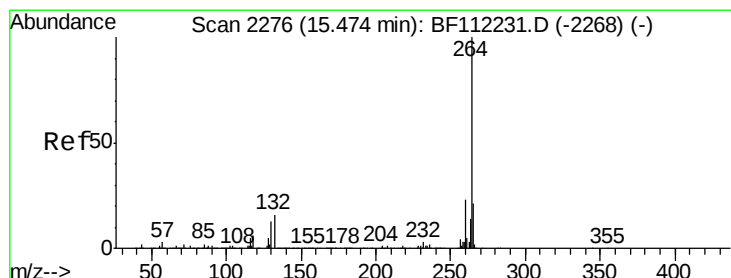
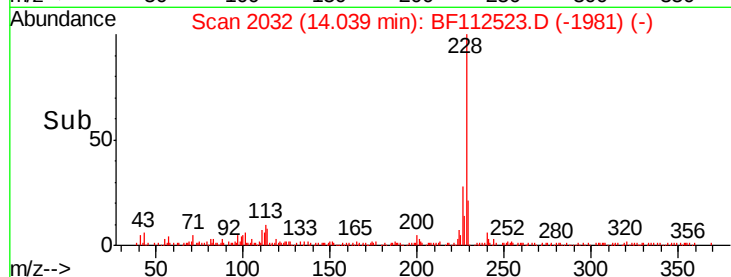
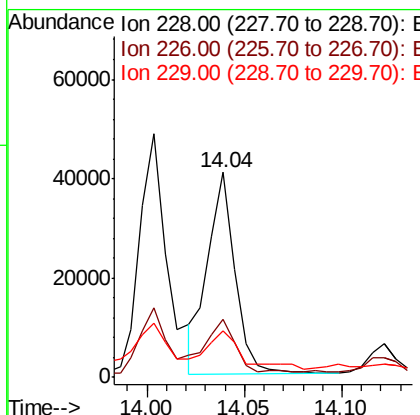
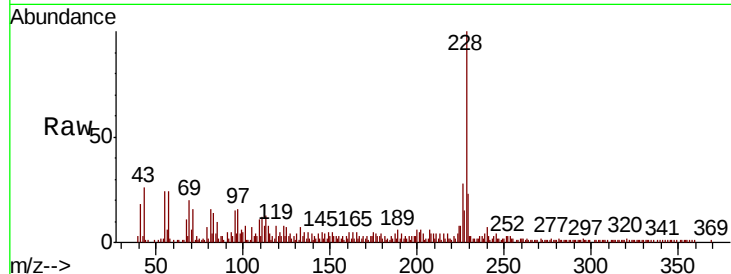
#83
Chrysene
Concen: 2.641 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.0	37.6
229	22.8	16.6	24.8

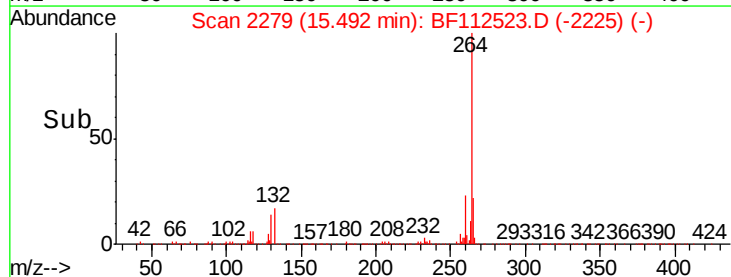
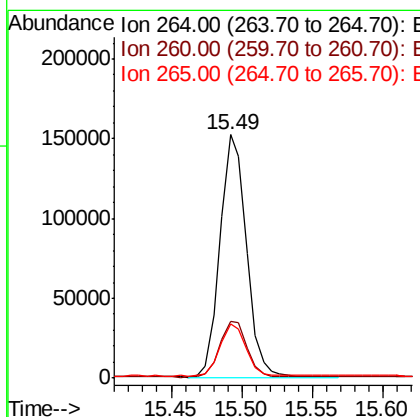
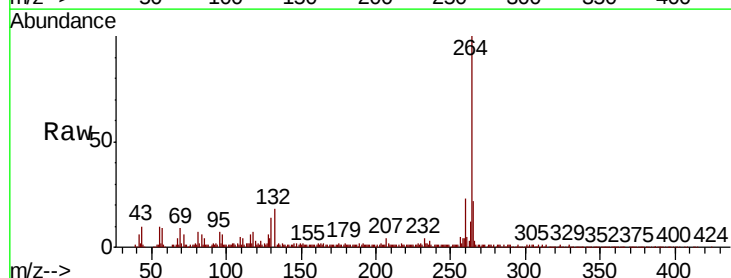
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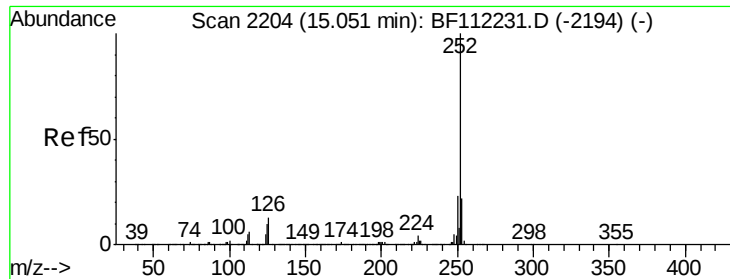
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	22.1	17.0	25.4





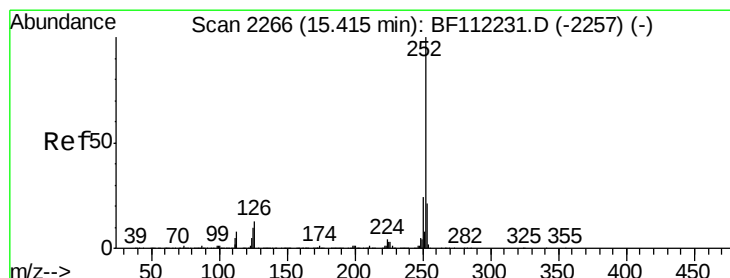
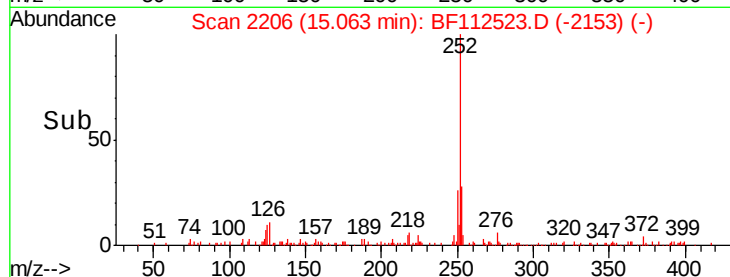
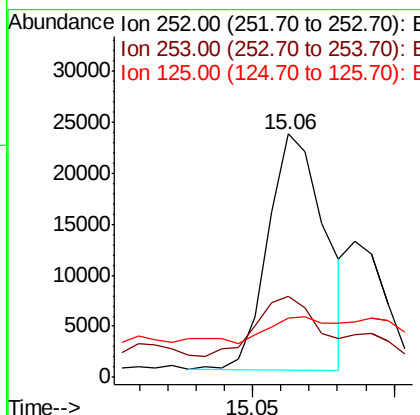
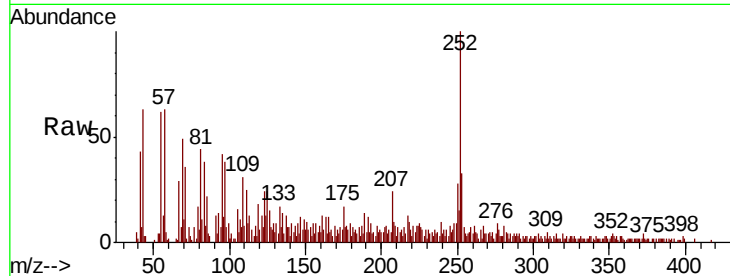
#88
Benzo(b)fluoranthene
Concen: 2.746 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.4	18.0	27.0#
125	24.1	8.7	13.1#

Manual Integrations
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Sohil
2/13/2019 11:12:28 AM



#90
Benzo(a)pyrene
Concen: 2.089 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112523.D
Acq: 12 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	25.8	9.0	13.4#

