

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
 Data File : BF112517.D
 Acq On : 12 Feb 2019 19:58
 Operator : JU/SJ
 Sample : K1343-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

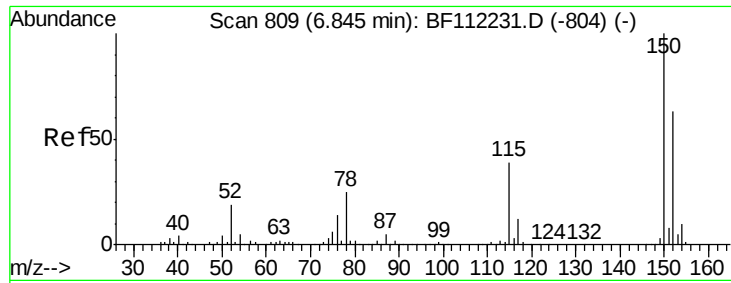
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-G

Manual Integrations
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Quant Time: Feb 13 15:08:54 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)	2/13/2019 11:12:20 AM
1) 1,4-Dichlorobenzene-d4	6.83	152	103104	20.00	ng	-0.01	
21) Naphthalene-d8	8.12	136	373478	20.00	ng	-0.01	
39) Acenaphthene-d10	9.87	164	150897	20.00	ng	-0.01	
64) Phenanthrene-d10	11.36	188	240827	20.00	ng	0.00	
76) Chrysene-d12	14.01	240	226415	20.00	ng	0.00	
87) Perylene-d12	15.49	264	163009	20.00	ng	0.02	
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	310909	64.05	ng	-0.01	
7) Phenol-d6	6.49	99	386606	57.32	ng	0.00	
23) Nitrobenzene-d5	7.40	82	235736	36.37	ng	-0.01	
42) 2,4,6-Tribromophenol	10.67	330	81482	46.39	ng	-0.01	
45) 2-Fluorobiphenyl	9.19	172	441218	41.35	ng	-0.01	
79) Terphenyl-d14	12.94	244	365953	30.44	ng	0.00	
Target Compounds						Qvalue	
50) Dimethylphthalate	9.59	163	37031	3.159	ng	#	98
71) Phenanthrene	11.39	178	64261	5.133	ng		97
75) Fluoranthene	12.58	202	93478	6.961	ng		98
78) Pyrene	12.82	202	93004	5.933	ng		98
81) Benzo(a)anthracene	14.00	228	44219	3.322	ng	#	96
83) Chrysene	14.04	228	45580	3.588	ng	#	94
88) Benzo(b)fluoranthene	15.06	252	42432m	4.353	ng		
90) Benzo(a)pyrene	15.43	252	26904	3.067	ng	#	78
92) Benzo(g,h,i)perylene	17.45	276	16188	2.427	ng	#	74

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

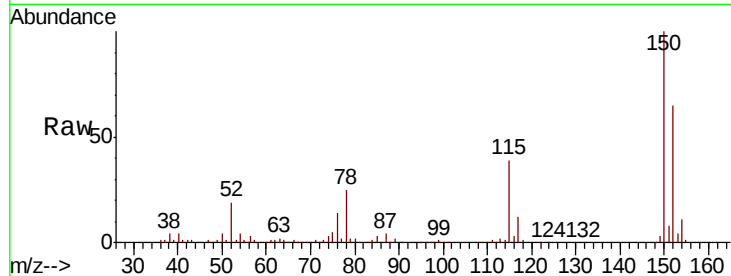
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	127.4	191.0
115	60.4	45.5	68.3

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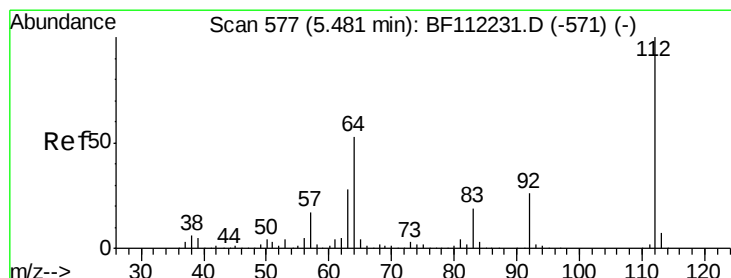
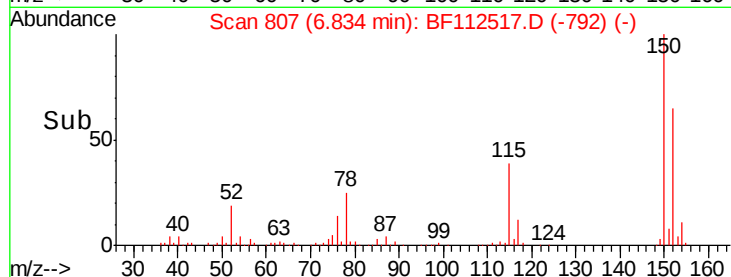
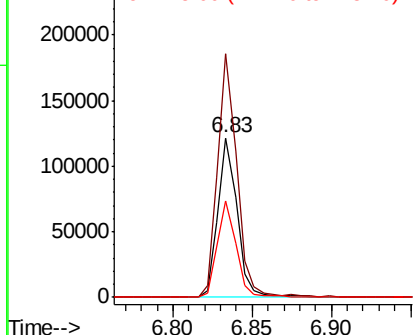


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

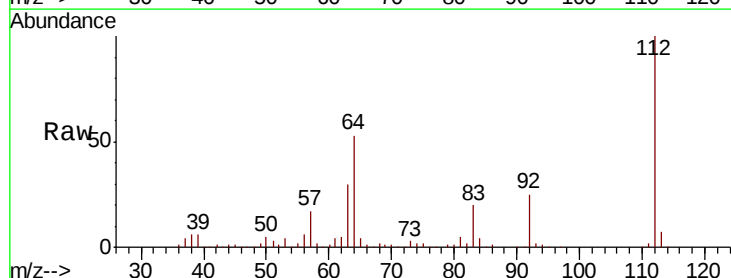
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 64.051 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	45.7	68.5
63	29.7	23.6	35.4

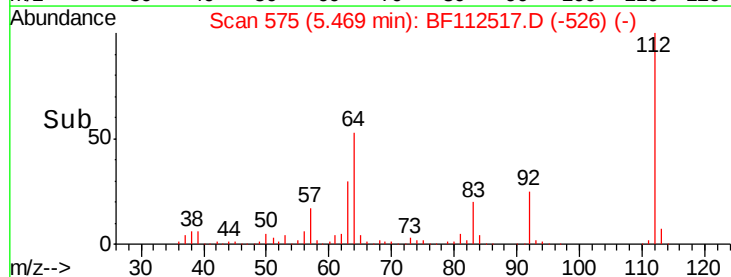
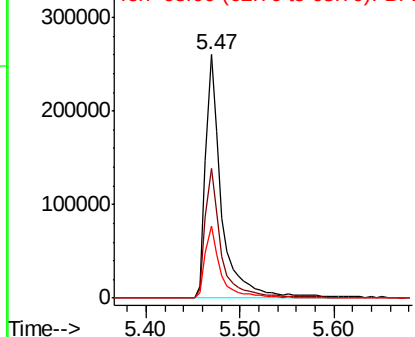


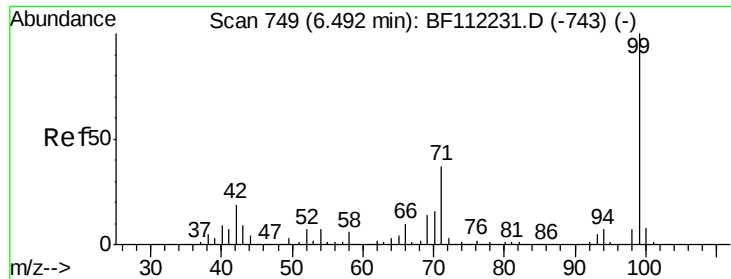
Abundance

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: 57.317 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

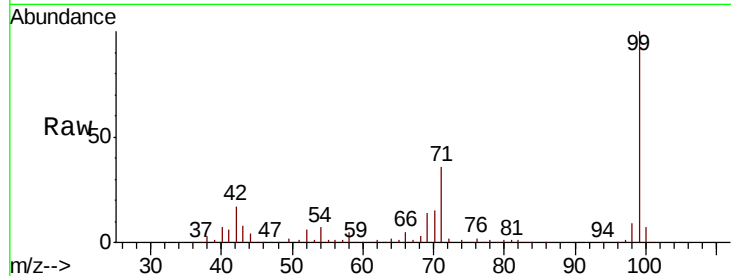
JC-02-021119-G

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		386606		
42	17.0	15.1	22.7		
71	35.9	26.9	40.3		

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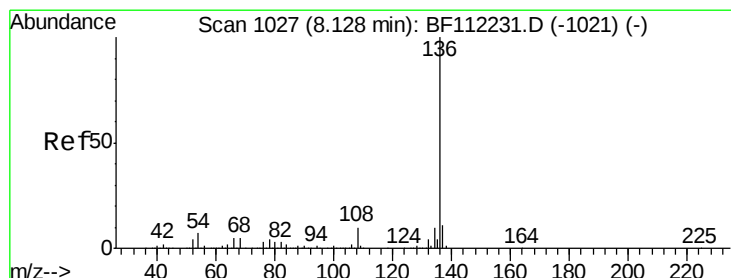
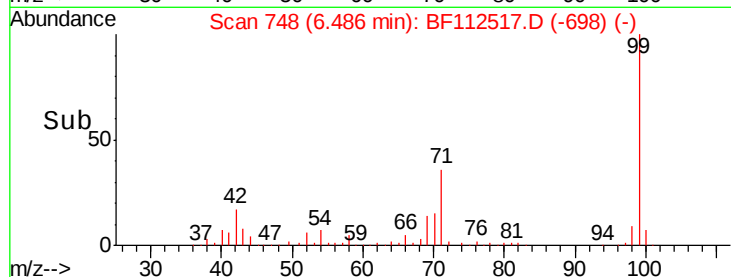
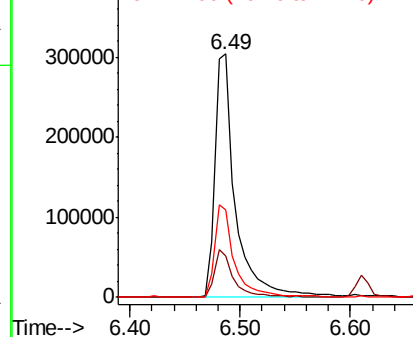


Abundance

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: BF112517.D

Acq: 12 Feb 2019 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		373478		
137	10.8	9.1	13.7		
54	6.8	5.9	8.9		
68	5.0	5.1	7.7#		

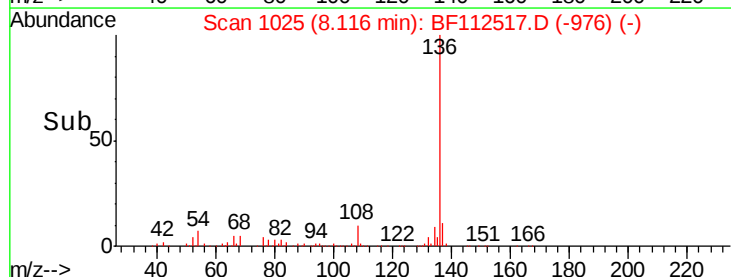
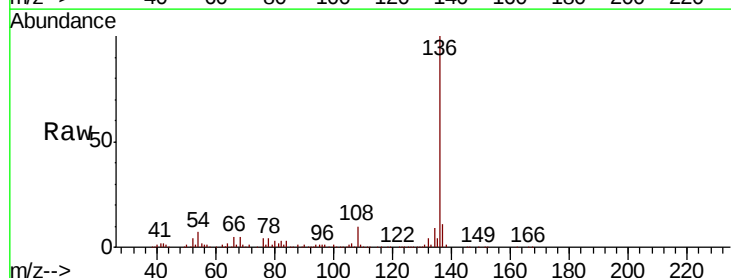
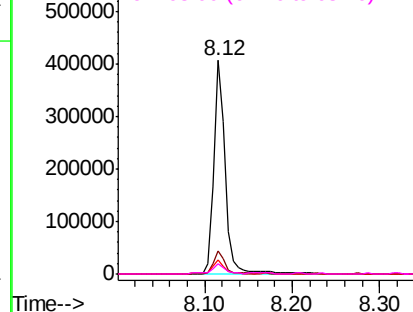
Abundance

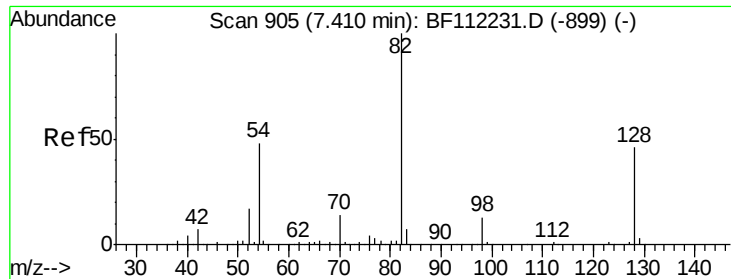
Ion 136.00 (135.70 to 136.70): E

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: 36.369 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

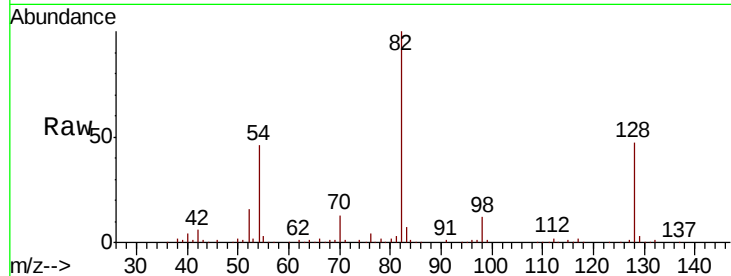
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

Tot Ion	82	Resp	235736
Ion Ratio	Lower	Upper	
82	100		
128	46.6	37.8	56.8
54	45.5	39.7	59.5

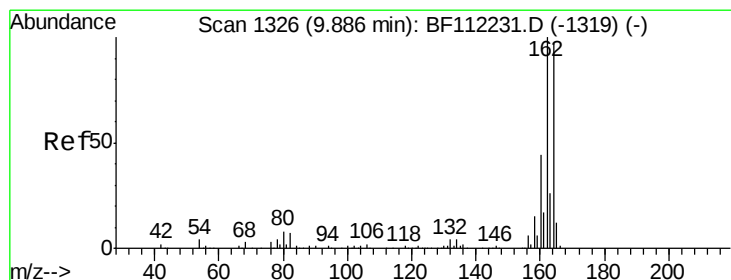
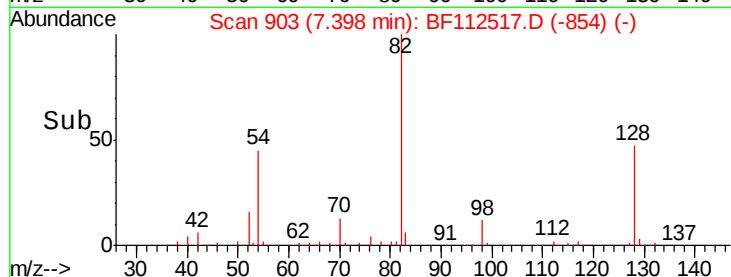
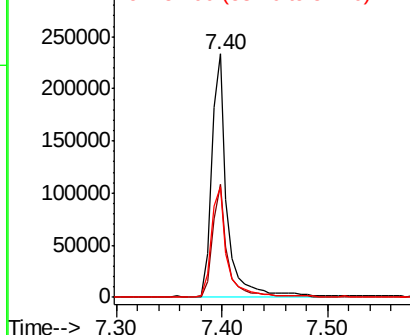
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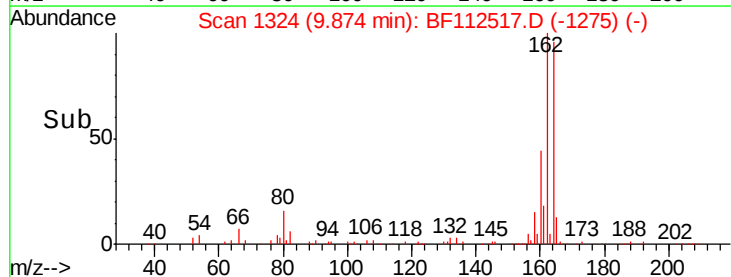
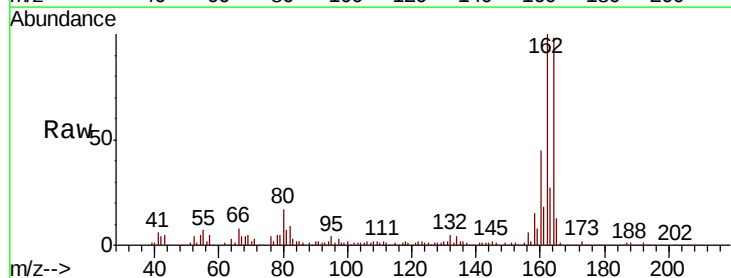
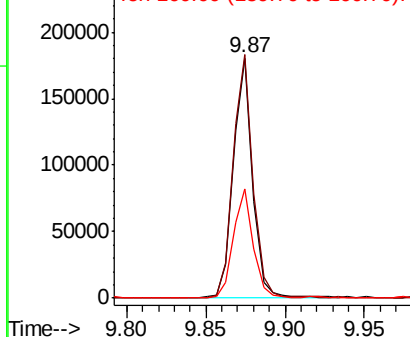
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

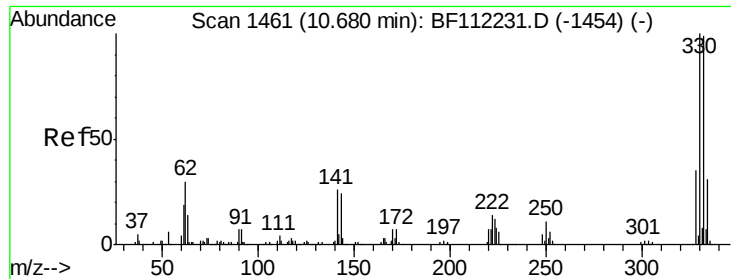


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion	164	Resp	150897
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.2	123.4
160	45.4	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: 46.392 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

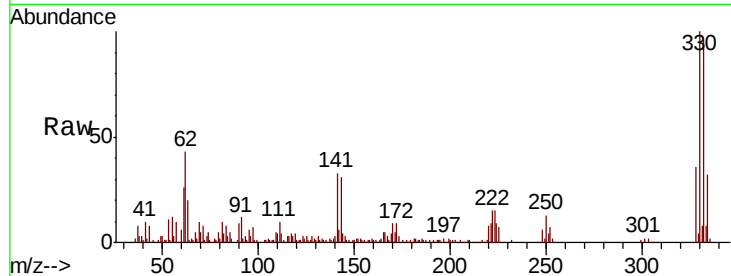
JC-02-021119-G

Tot Ion:	330	Resp:	81482
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.6	114.8
141	32.6	24.3	36.5

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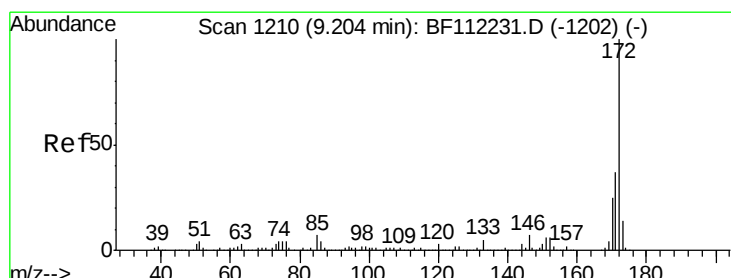
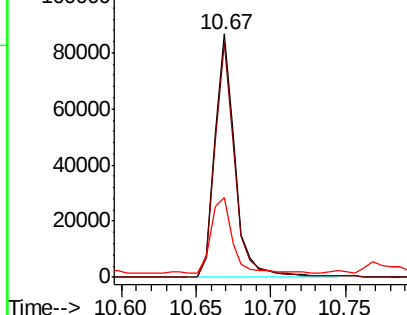
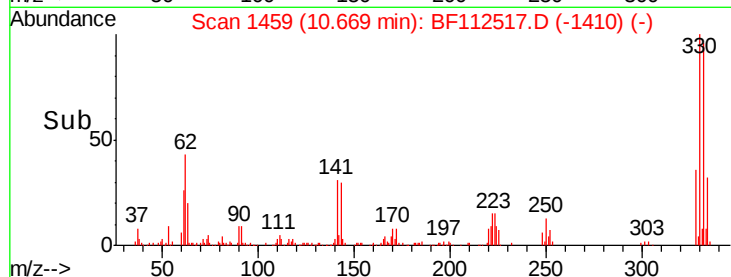


Abundance

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: 41.355 ng

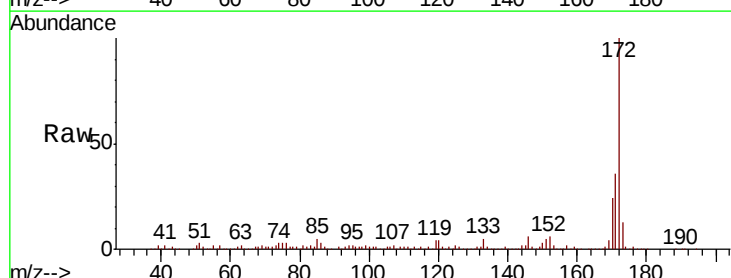
RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Tgt Ion:	172	Resp:	441218
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.5	45.7
170	23.8	20.2	30.4

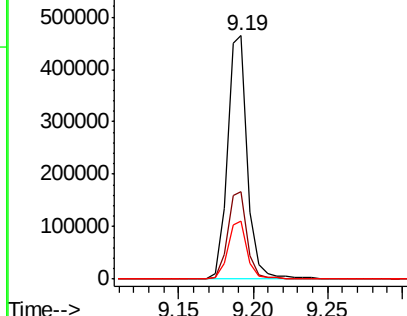
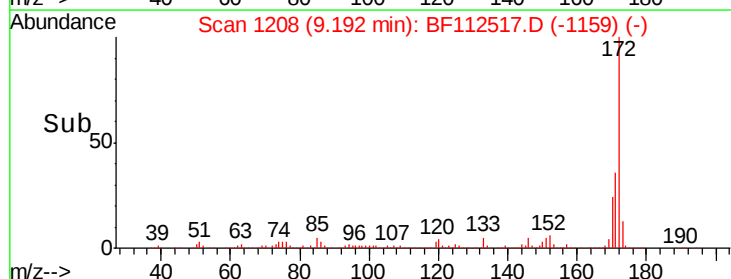


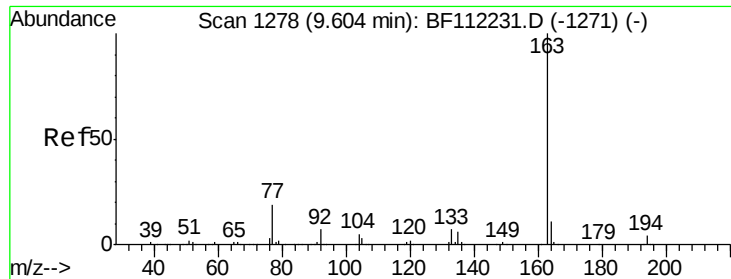
Abundance

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





#50
Dimethylphthalate
Concen: 3.159 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

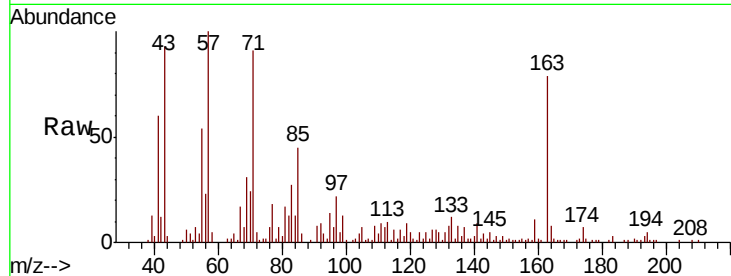
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

Tot Ion	Ratio	Lower	Upper
163	100		
194	6.3	3.3	4.9#
164	10.6	8.5	12.7

Manual Integrations
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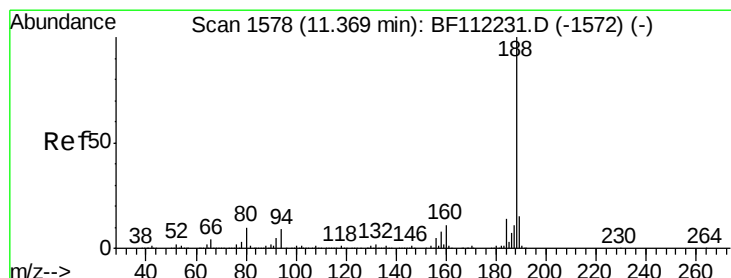
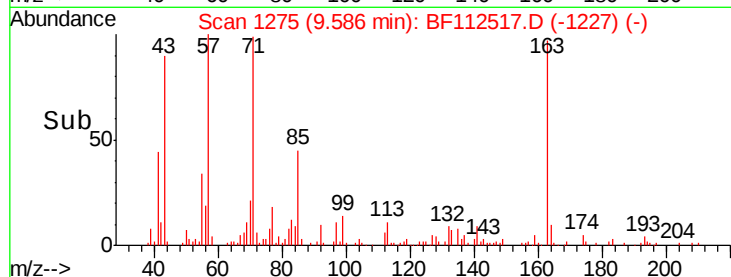
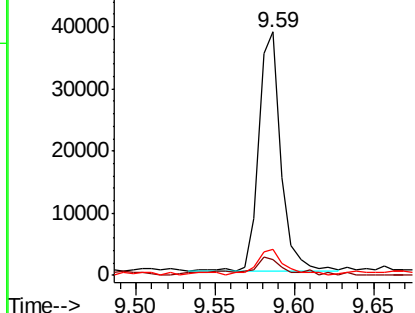


Abundance

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



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

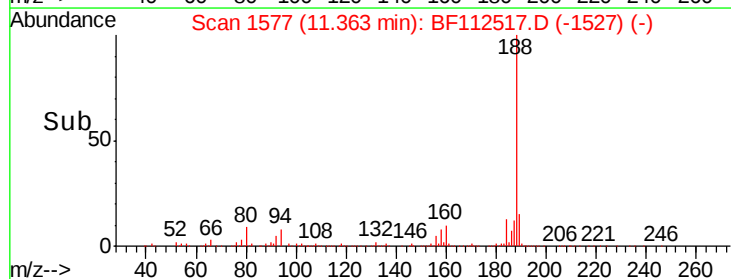
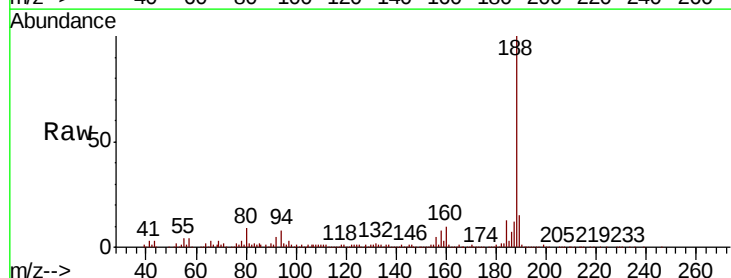
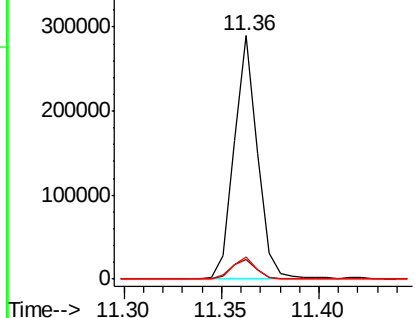
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	8.9	8.9	13.3

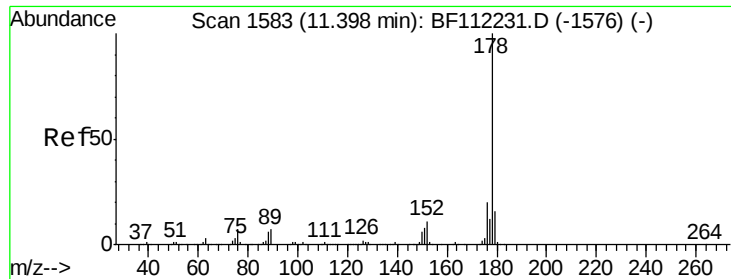
Abundance

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: 5.133 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

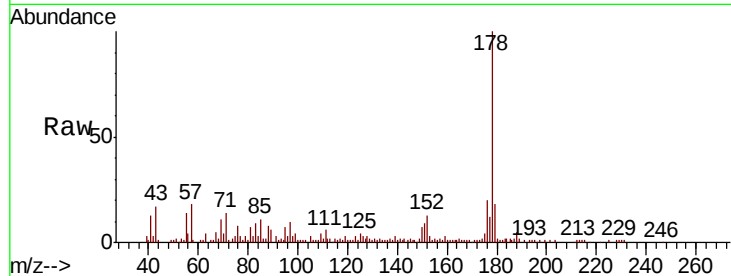
JC-02-021119-G

Tot Ion:	178	Resp:	64261
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.3	24.5
179	18.0	13.0	19.4

Manual Integrations
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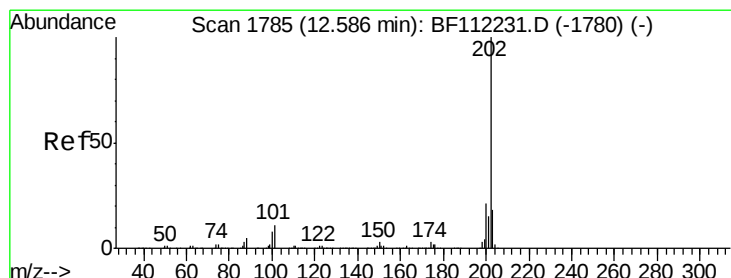
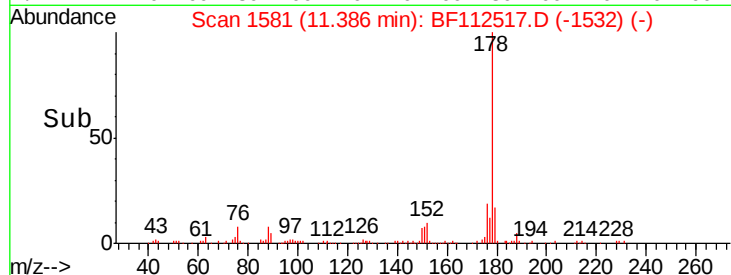
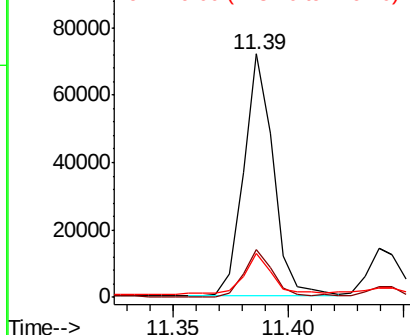


Abundance

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: 6.961 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

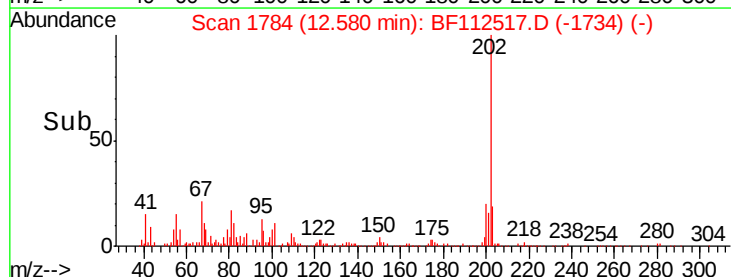
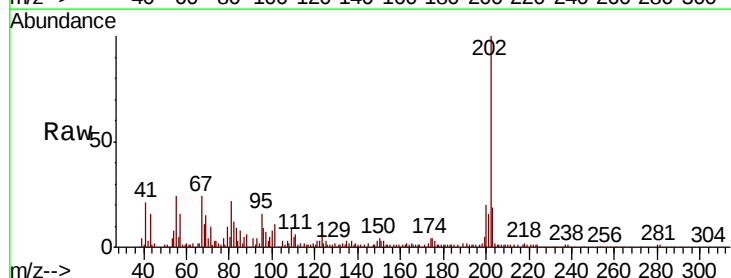
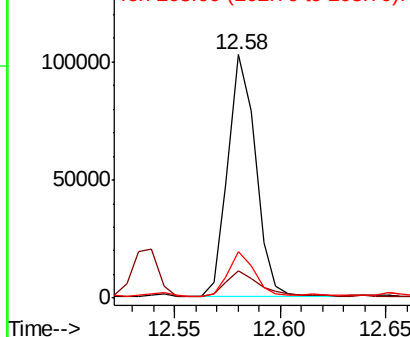
Tgt Ion:	202	Resp:	93478
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.8
203	19.3	0.0	38.4

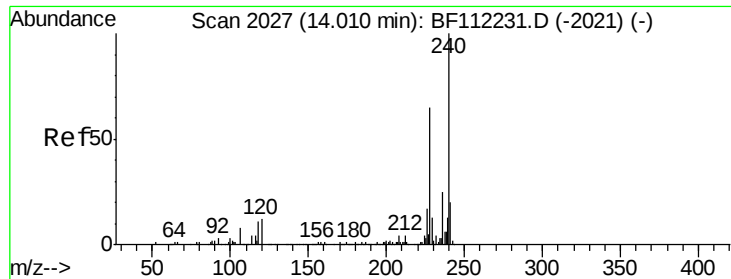
Abundance

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: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

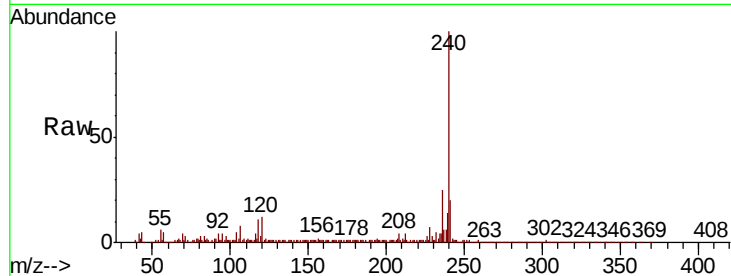
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.0	13.6
236	25.0	20.7	31.1

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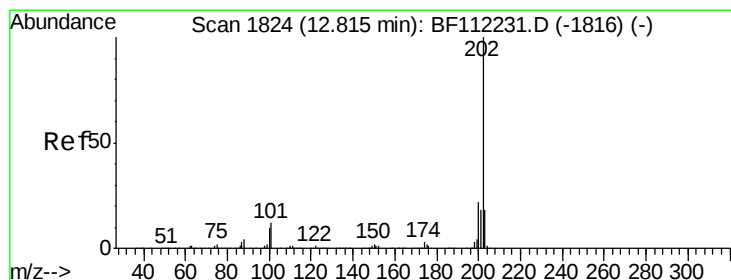
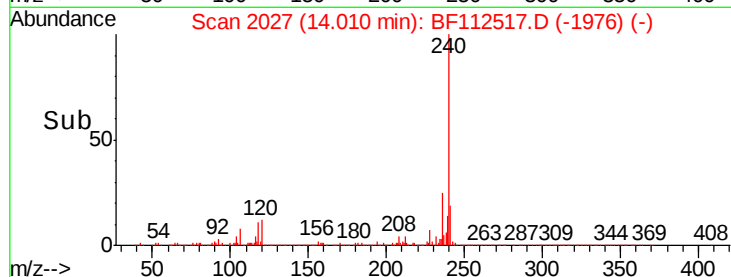
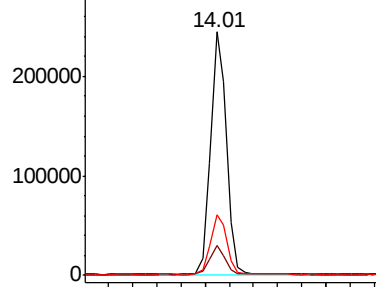


Abundance

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: 5.933 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

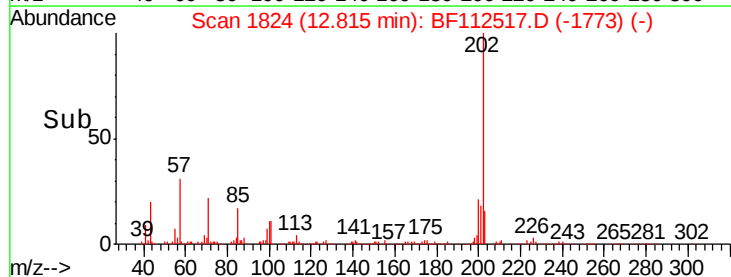
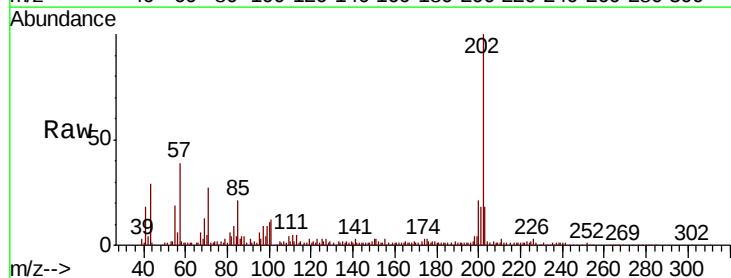
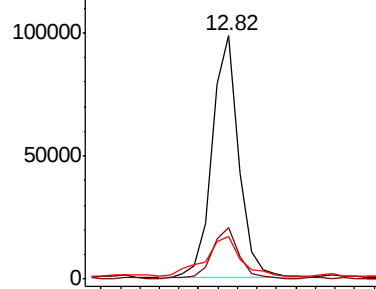
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	17.7	14.6	22.0

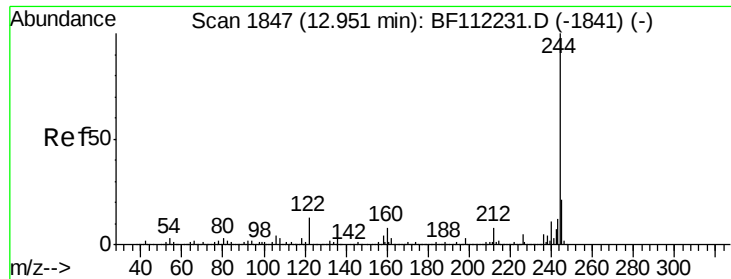
Abundance

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: 30.442 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112517.D

Acq: 12 Feb 2019 19:58

Instrument :

BNA_F

ClientSampleId :

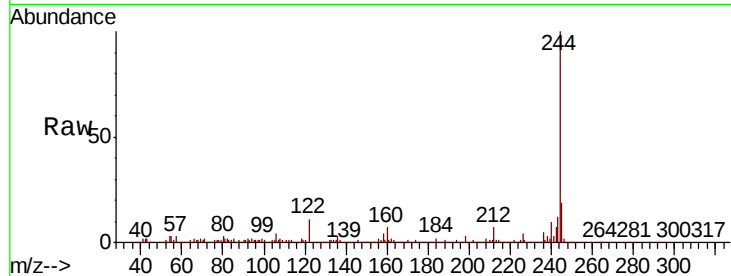
JC-02-021119-G

Tot Ion:	244	Resp:	365953
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.8	9.8	14.6

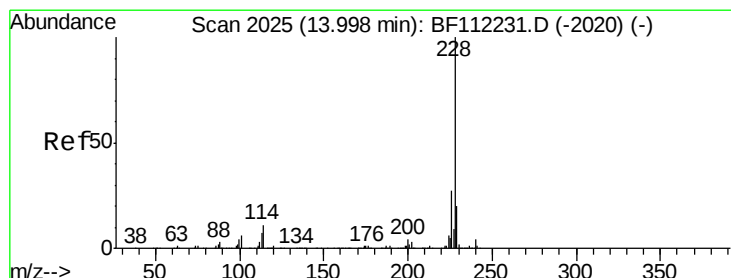
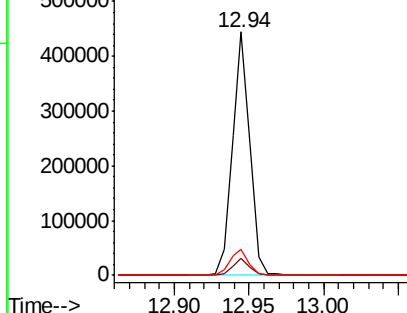
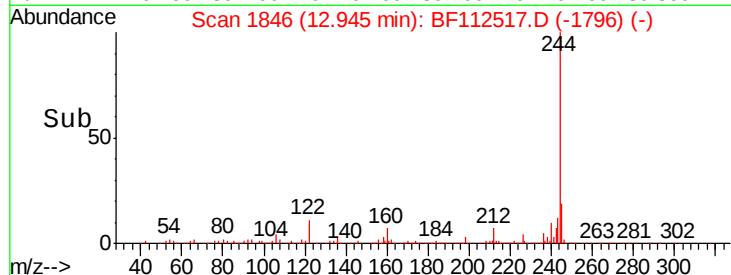
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.322 ng

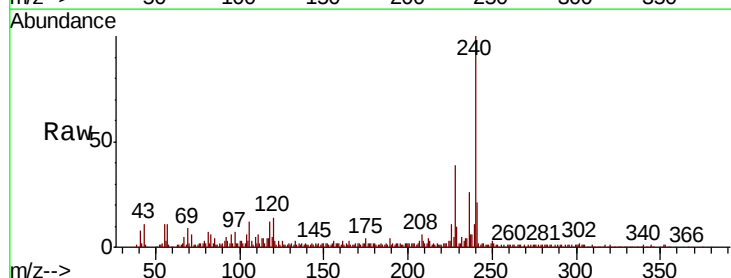
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

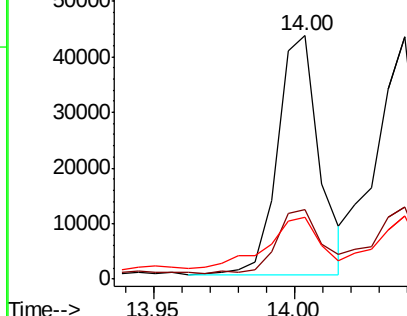
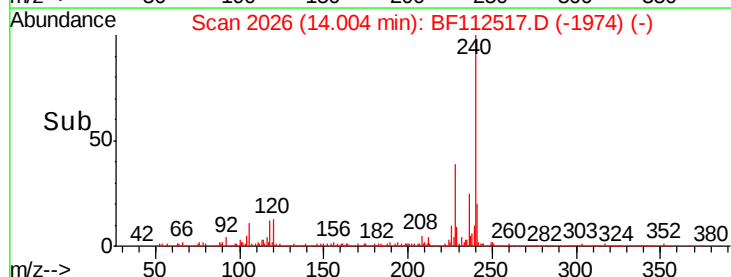
Lab File: BF112517.D

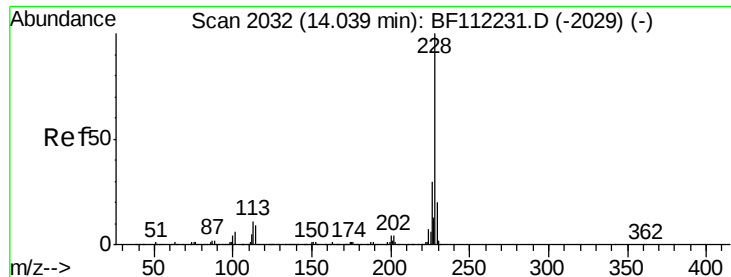
Acq: 12 Feb 2019 19:58

Tgt Ion:	228	Resp:	44219
Ion Ratio		Lower	Upper
228	100		
226	28.4	22.6	34.0
229	25.3	16.5	24.7#



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: 3.588 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

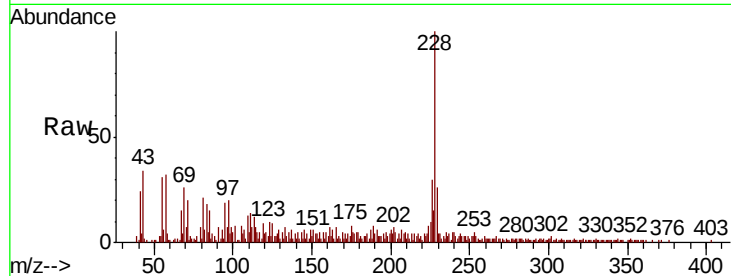
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.6	25.0	37.6		
229	25.9	16.6	24.8		

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Sonali

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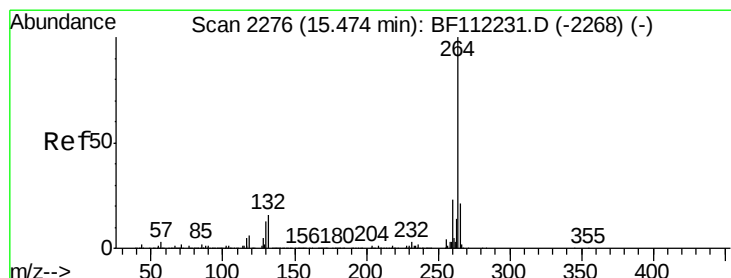
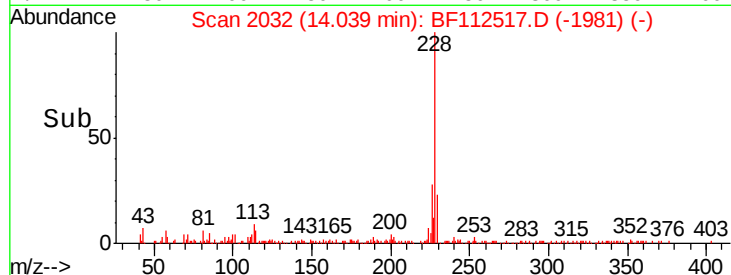
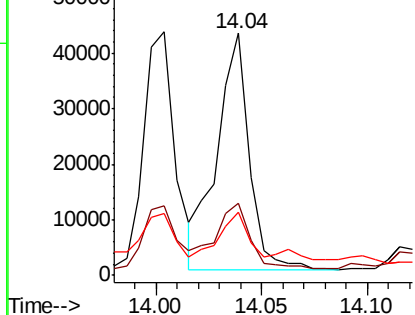


Abundance

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



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

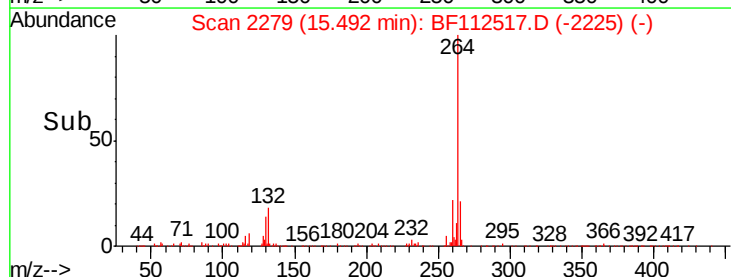
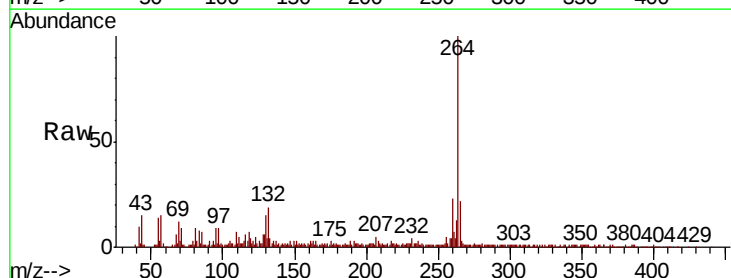
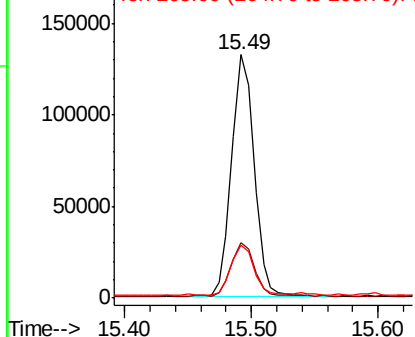
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	22.9	18.2	27.2		
265	22.0	17.0	25.4		

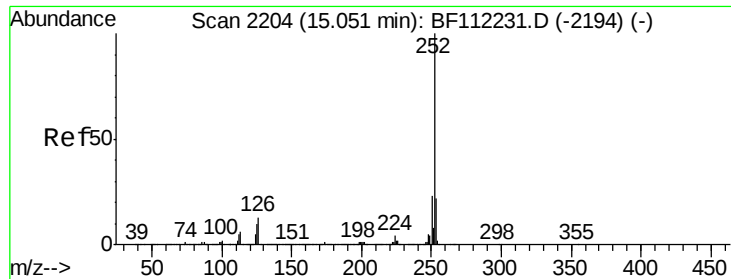
Abundance

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: 4.353 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

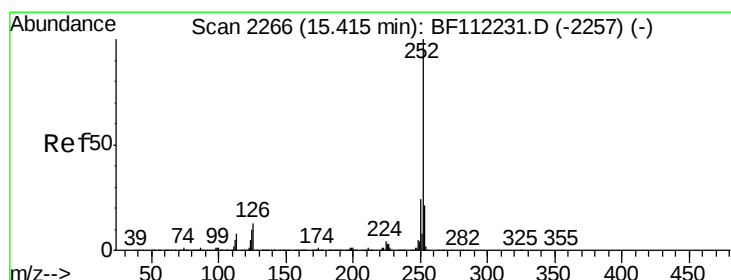
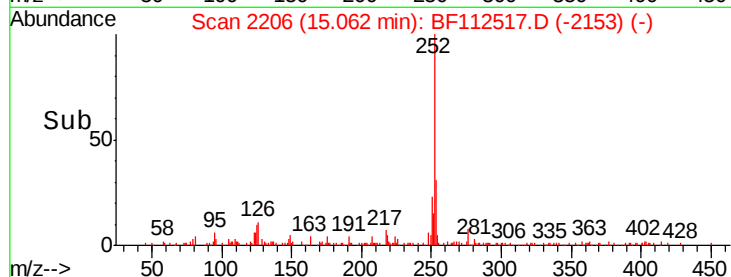
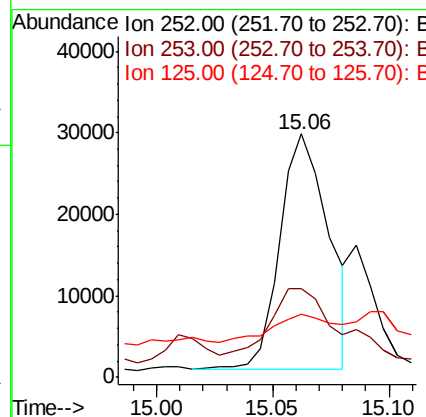
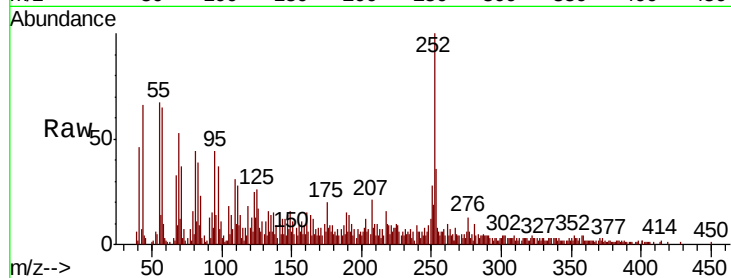
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-G

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.3	18.0	27.0#
125	25.8	8.7	13.1#

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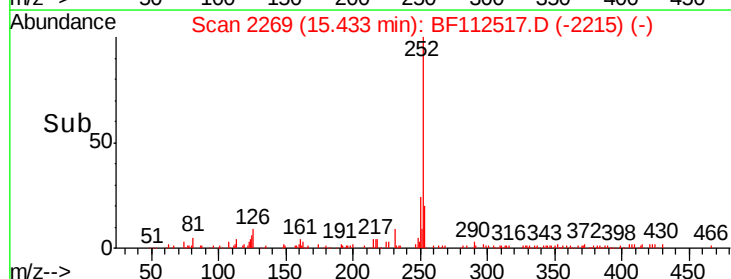
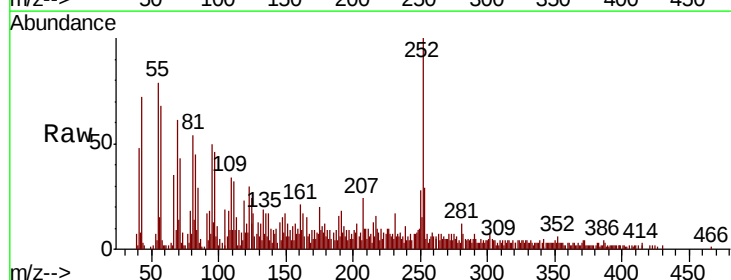
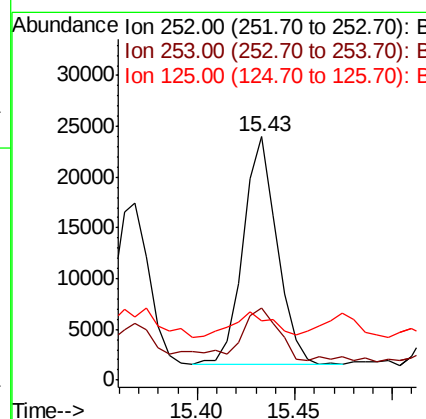
Sum

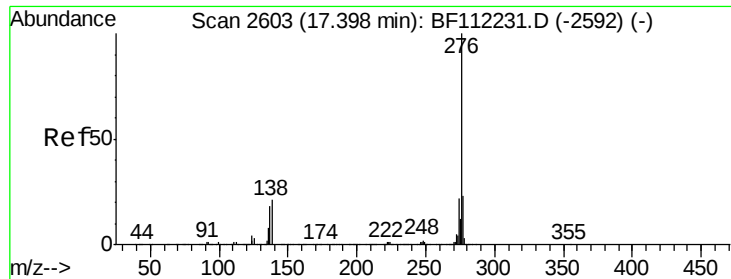
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#90
Benzo(a)pyrene
Concen: 3.067 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112517.D
Acq: 12 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.5	26.3#
125	24.5	9.0	13.4#



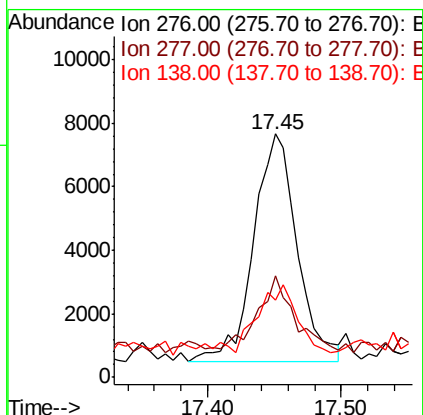
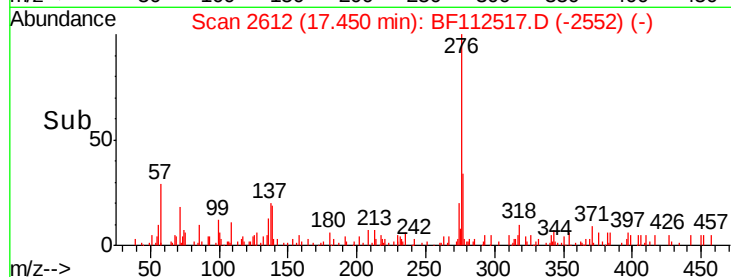
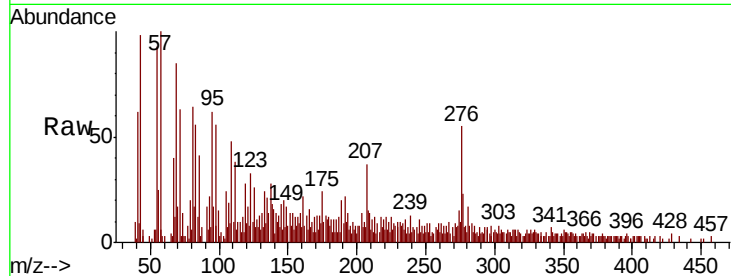


#92
 Benzo(a,h,i)perylene
 Concen: 2.427 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.05 min
 Lab File: BF112517.D
 Acq: 12 Feb 2019 19:58

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	41.8	19.4	29.0#
138	31.7	19.1	28.7#

Manual Integrations
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Sonni

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