

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118393.D
 Acq On : 30 Dec 2019 20:56
 Operator : JU
 Sample : K6441-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-01

Manual Integrations
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Quant Time: Dec 31 07:35:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	128677	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	495317	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	242862	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	359458	20.00	ng	0.00
76) Chrysene-d12	14.06	240	270205	20.00	ng	0.00
87) Perylene-d12	15.55	264	249839	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	403689	53.55	ng	0.00
7) Phenol-d6	6.49	99	506720	54.19	ng	0.00
23) Nitrobenzene-d5	7.42	82	293928	33.94	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	132801	44.28	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	637472	40.07	ng	0.00
79) Terphenyl-d14	12.99	244	562409	34.53	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	51449	2.044	ng	99
49) Acenaphthylene	9.76	152	72413	3.158	ng	98
50) Dimethylphthalate	9.61	163	58553	3.212	ng	99
52) Acenaphthene	9.93	154	99139	7.098	ng	98
55) Dibenzofuran	10.11	168	98208	4.759	ng	99
58) Fluorene	10.45	166	114490	6.873	ng	99
71) Phenanthrene	11.43	178	1857679	94.800	ng	100
72) Anthracene	11.47	178	400734	20.431	ng	98
73) Carbazole	11.63	167	118296	6.797	ng	97
75) Fluoranthene	12.63	202	2036373	102.970	ng	98
78) Pyrene	12.86	202	1934609	87.677	ng	98
81) Benzo(a)anthracene	14.05	228	1014018	53.613	ng	99
83) Chrysene	14.09	228	906381	50.048	ng	98
86) Indeno(1,2,3-cd)pyrene	17.07	276	338440	21.933	ng	# 93
88) Benzo(b)fluoranthene	15.12	252	1019076m	61.448	ng	
89) Benzo(k)fluoranthene	15.14	252	289031m	18.151	ng	
90) Benzo(a)pyrene	15.49	252	672445	46.028	ng	97
91) Dibenzo(a,h)anthracene	17.07	278	89046	7.024	ng	# 83
92) Benzo(a,h,i)perylene	17.53	276	318956	26.044	ng	99

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

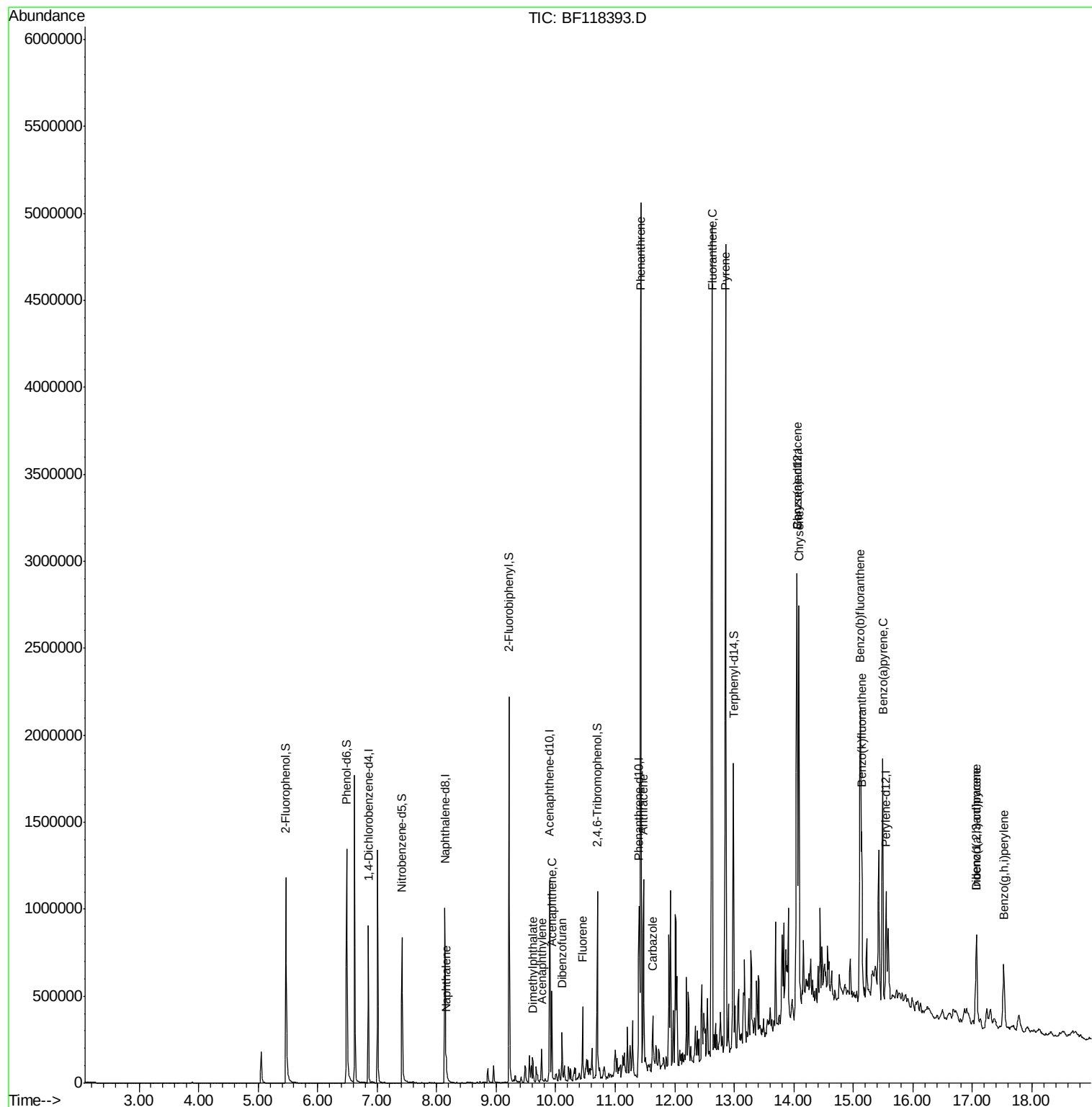
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
Data File : BF118393.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

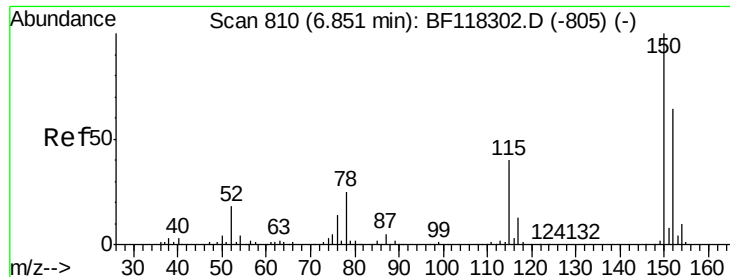
Instrument :
BNA_F
ClientSampleID :
K321-WC-01

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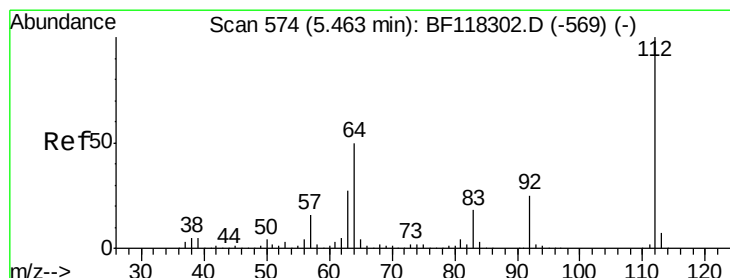
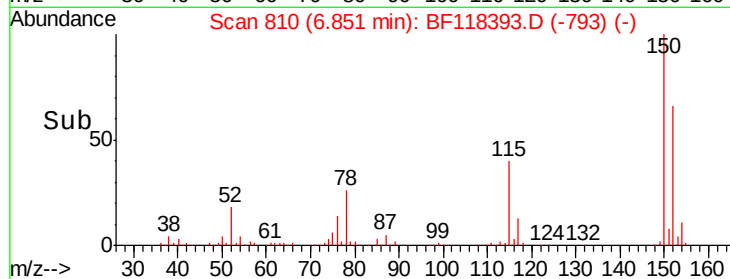
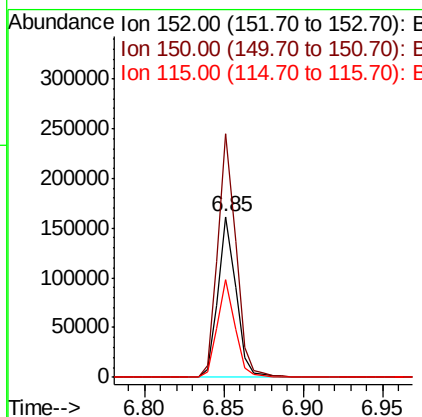
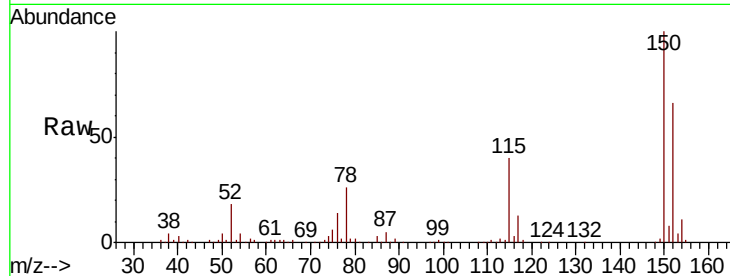
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF118393.D
 Acq: 30 Dec 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	125.4	188.2
115	60.7	50.2	75.4

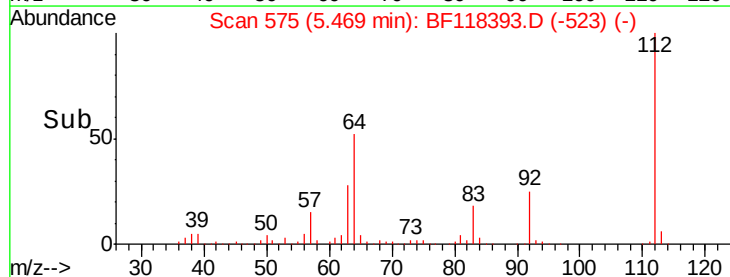
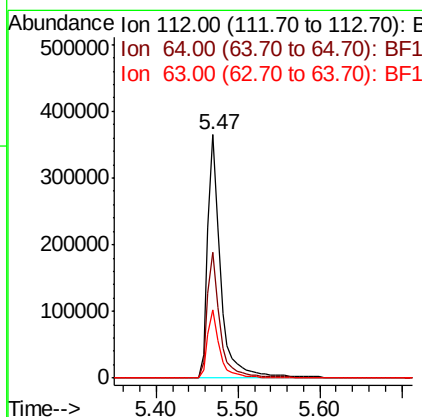
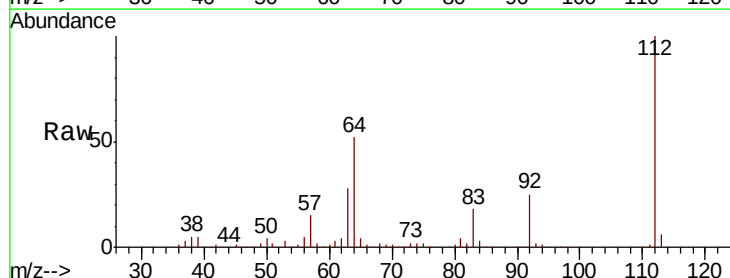
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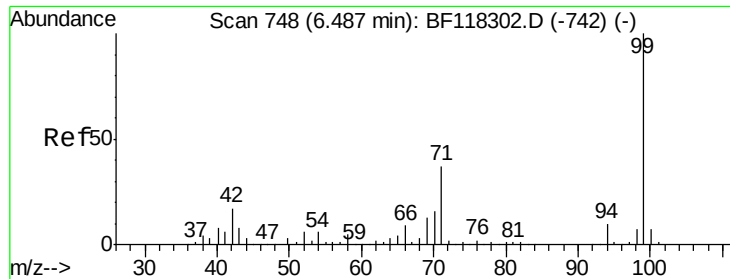
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#5
 2-Fluorophenol
 Concen: 53.552 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118393.D
 Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.7	59.5
63	28.0	21.7	32.5





#7

Phenol-d6

Concen: 54.187 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Instrument :

BNA_F

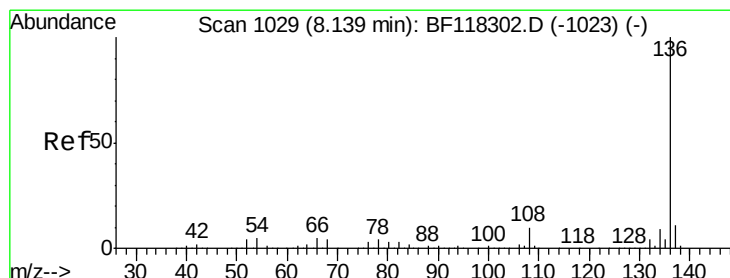
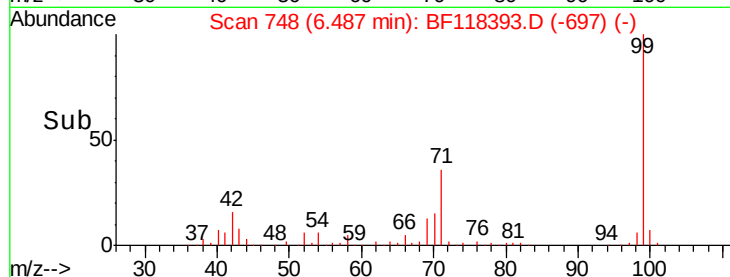
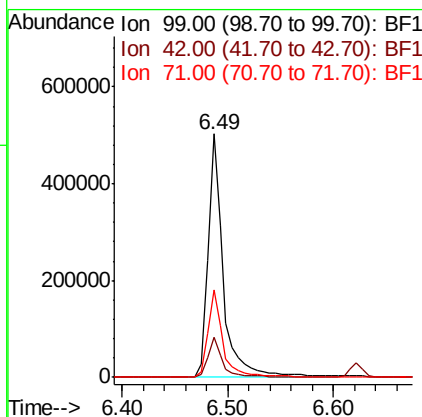
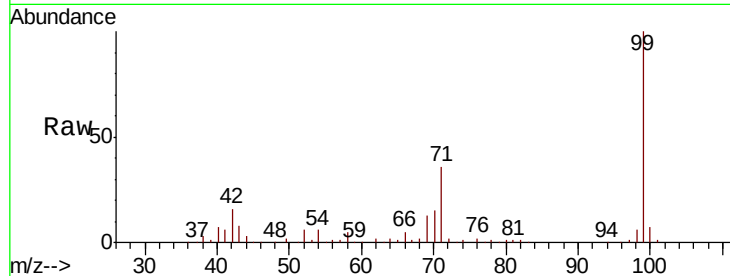
ClientSampleId :

K321-WC-01

Tot Ion:	99	Resp:	506720
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	36.0	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.000 ng

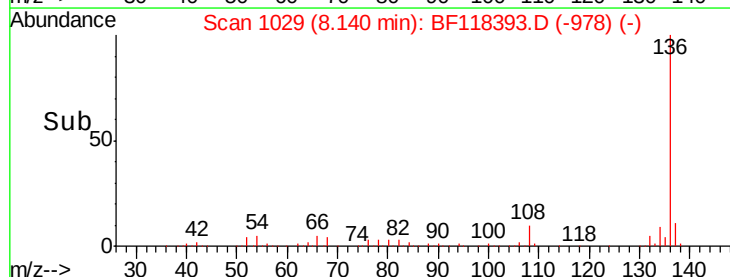
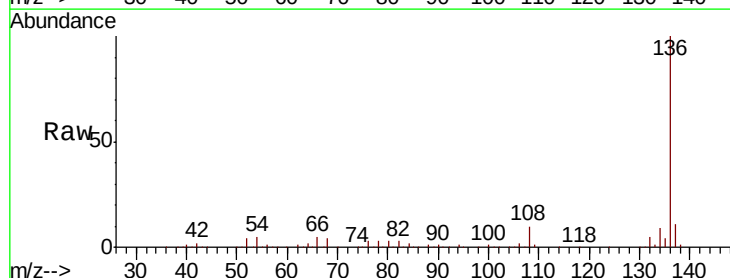
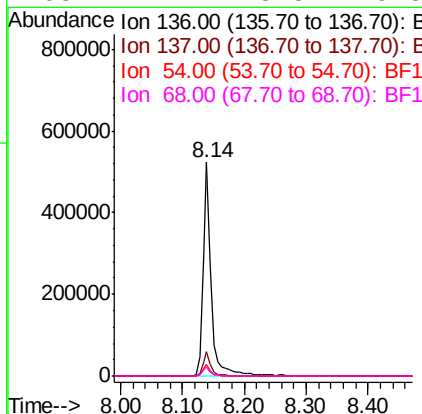
RT: 8.14 min Scan# 1029

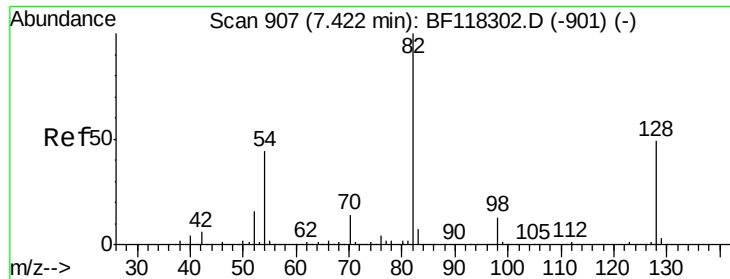
Delta R.T. 0.00 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Tgt Ion:	136	Resp:	495317
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	5.4	4.2	6.4
68	4.1	3.5	5.3





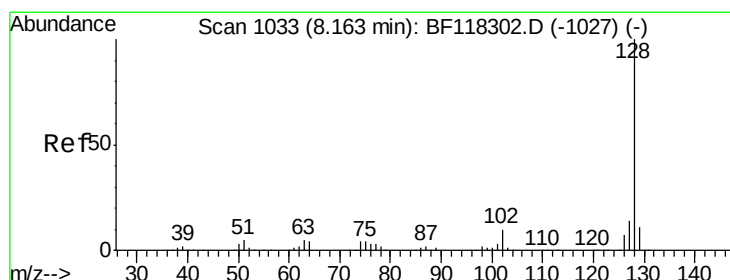
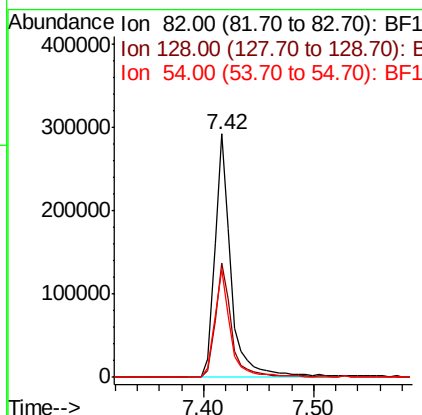
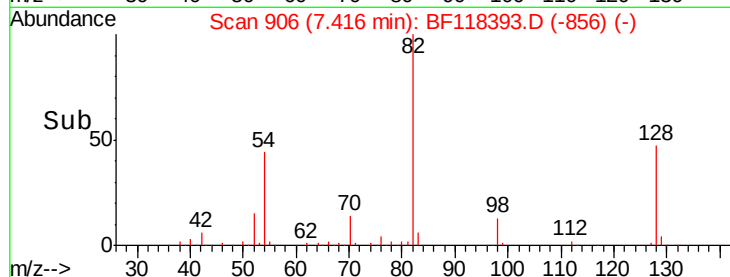
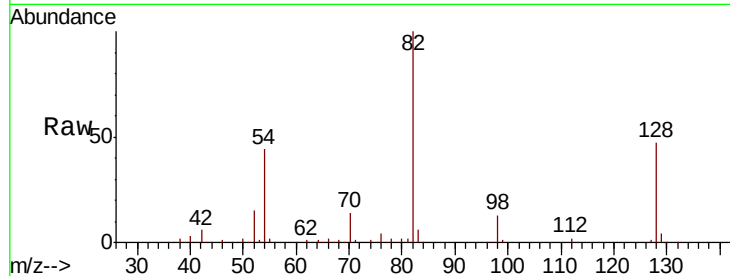
#23
Nitrobenzene-d5
Concen: 33.940 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100	293928		
128	47.0		39.6	59.4
54	44.3		34.9	52.3

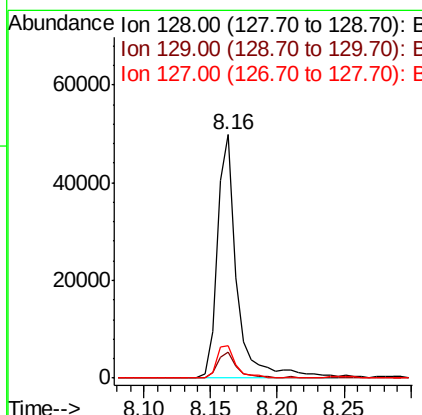
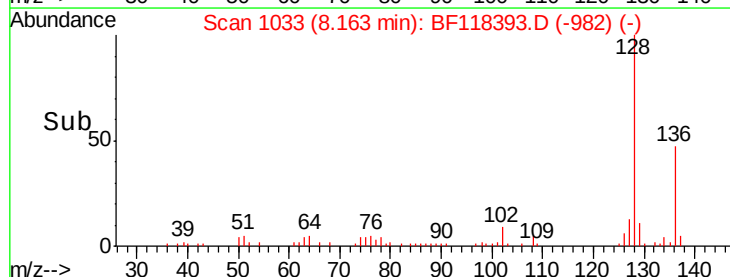
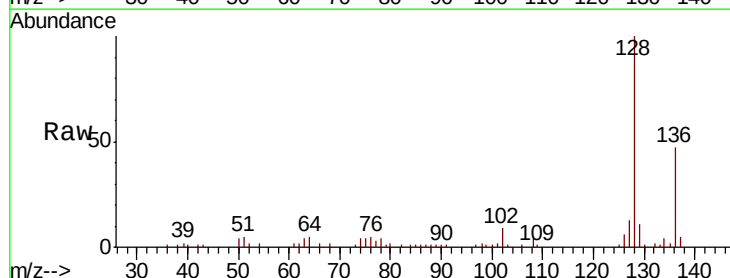
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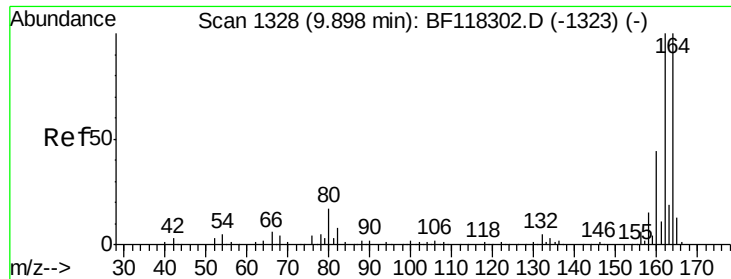
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#31
Naphthalene
Concen: 2.044 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	51449		
129	10.9		9.0	13.4
127	13.1		11.0	16.4





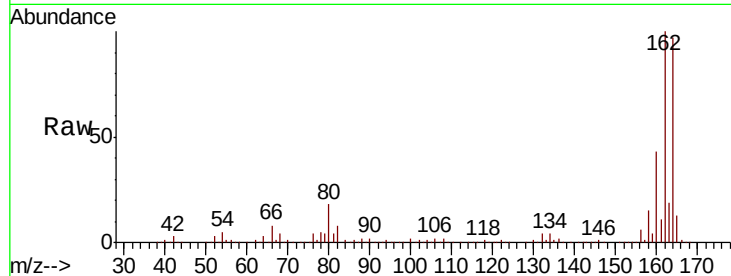
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.0	120.0
160	44.3	34.8	52.2

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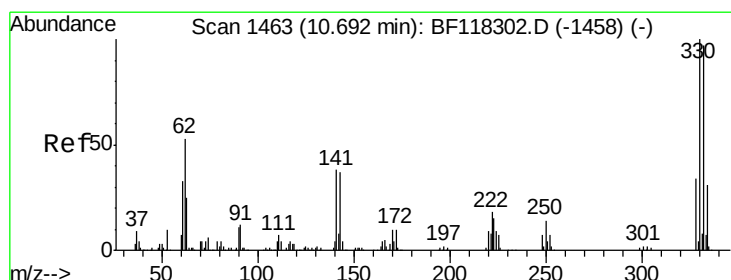
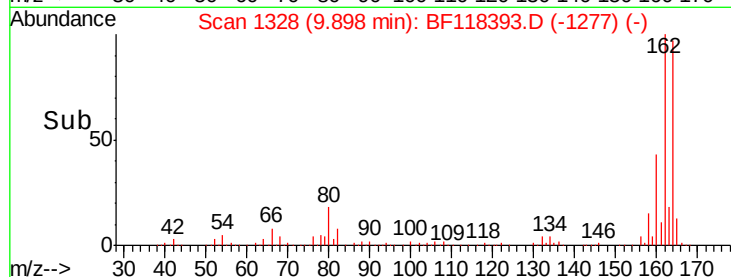
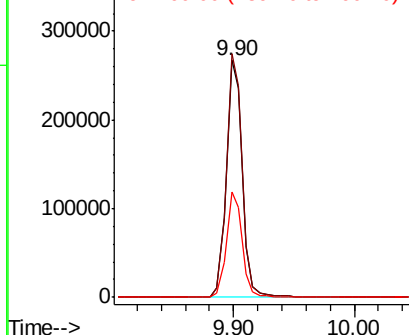


Abundance

Ion 164.00 (163.70 to 164.70): E

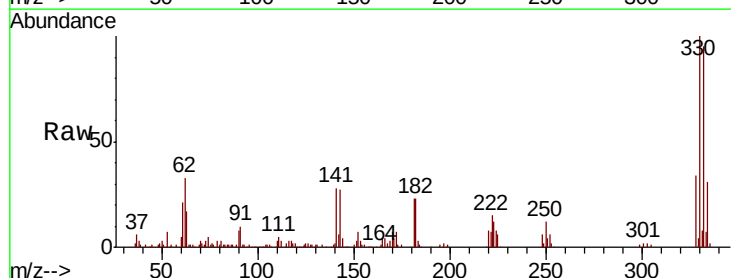
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 44.279 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	33.0	26.0	39.0

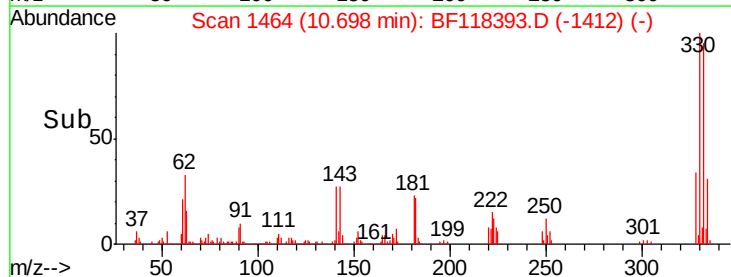
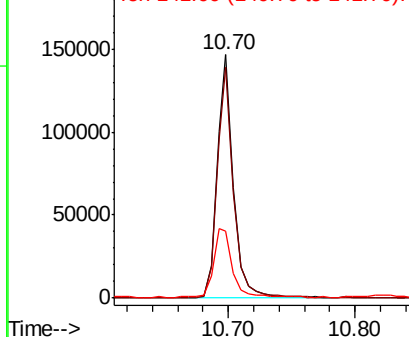


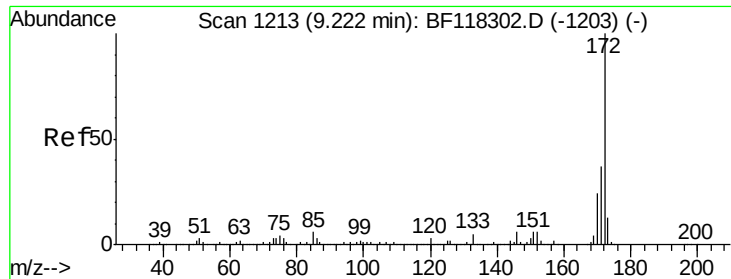
Abundance

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





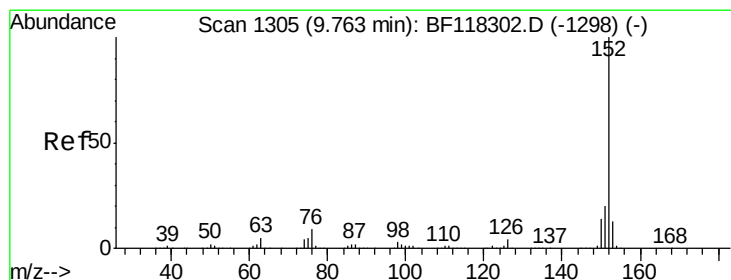
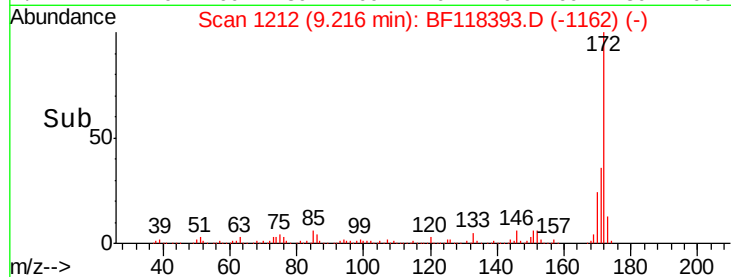
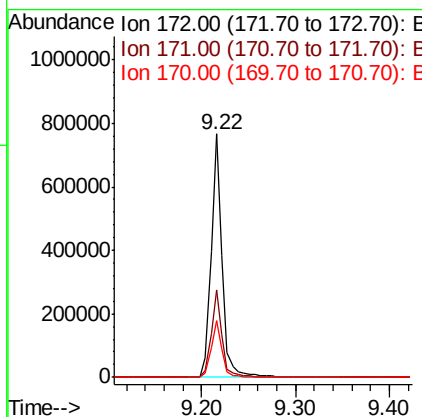
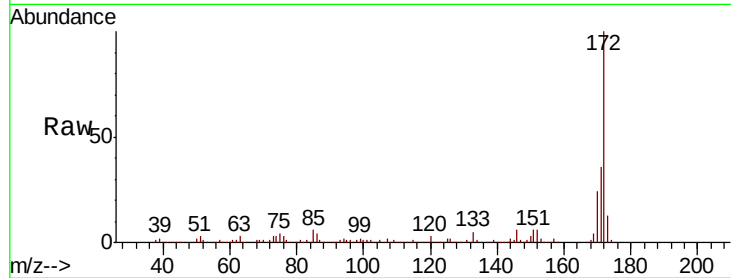
#45
2-Fluorobiphenyl
Concen: 40.067 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	23.5	19.2	28.8

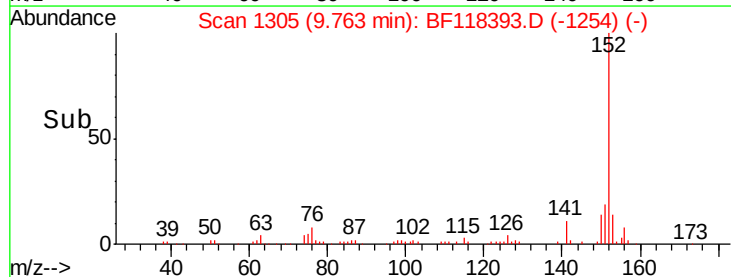
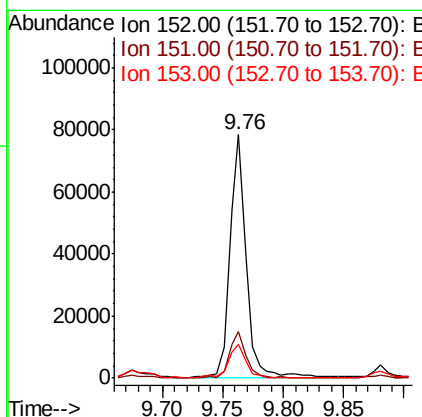
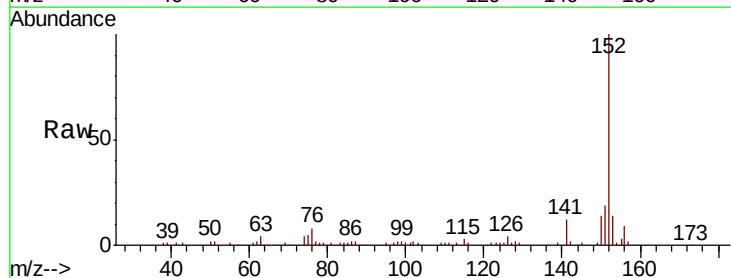
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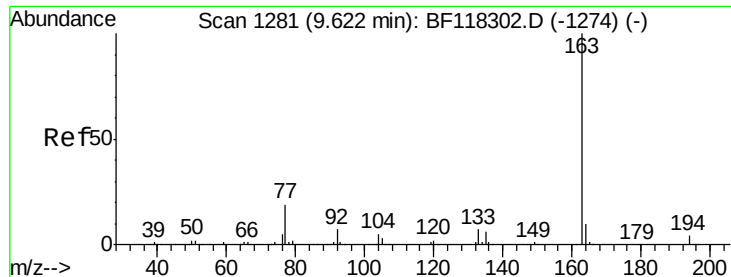
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#49
Acenaphthylene
Concen: 3.158 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.2
153	13.6	10.5	15.7





#50

Dimethylphthalate

Concen: 3.212 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Instrument :

BNA_F

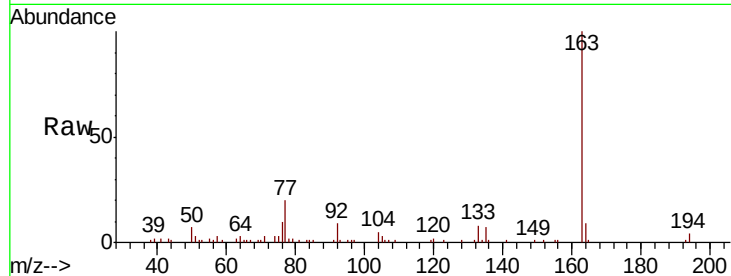
ClientSampleId :

K321-WC-01

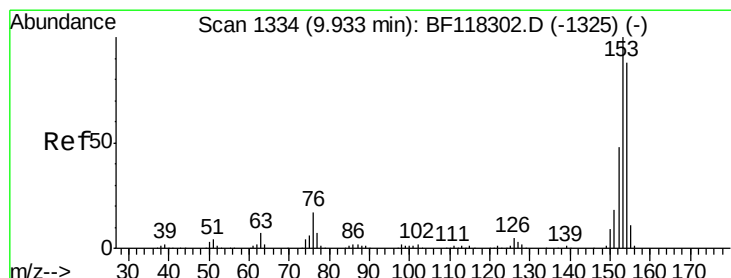
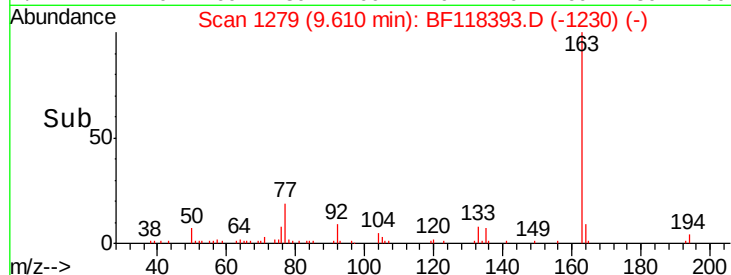
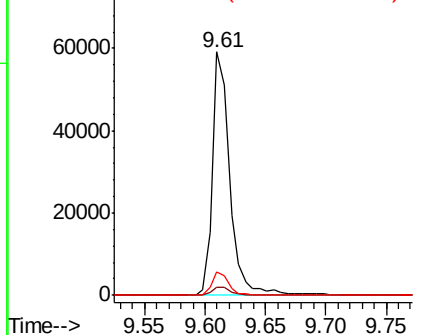
Tot Ion:	163	Resp:	58553
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.2	4.8
164	9.5	7.9	11.9

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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



#52

Acenaphthene

Concen: 7.098 ng

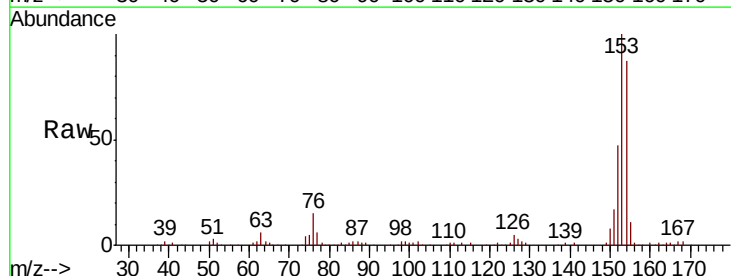
RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

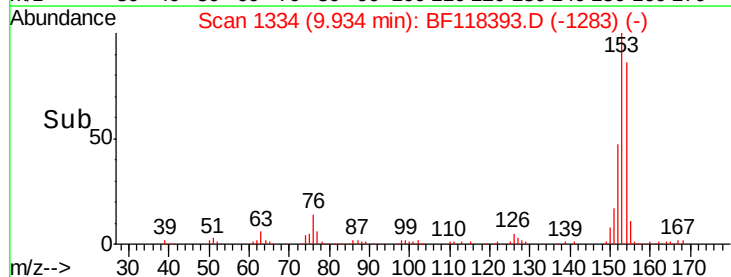
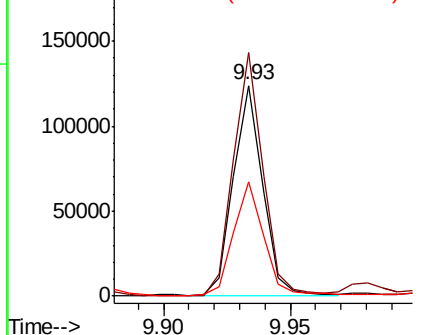
Lab File: BF118393.D

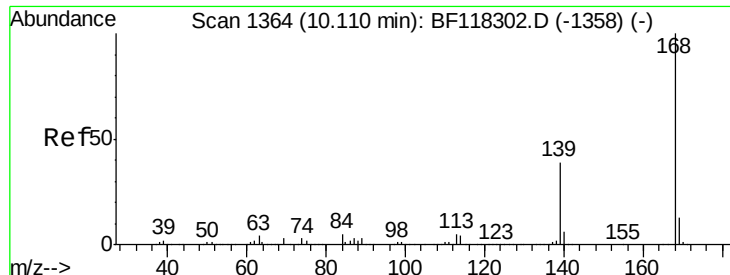
Acq: 30 Dec 2019 20:56

Tgt Ion:	154	Resp:	99139
Ion Ratio	Lower	Upper	
154	100		
153	115.6	90.6	136.0
152	54.4	43.1	64.7



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





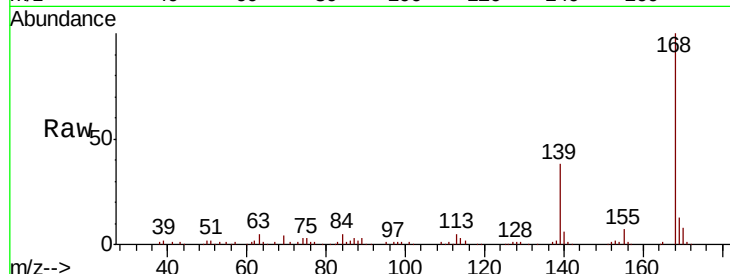
#55
Dibenzofuran
Concen: 4.759 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

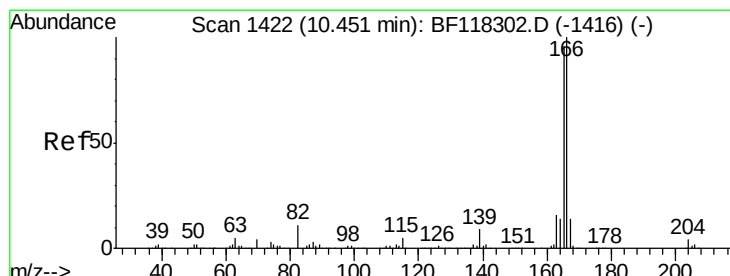
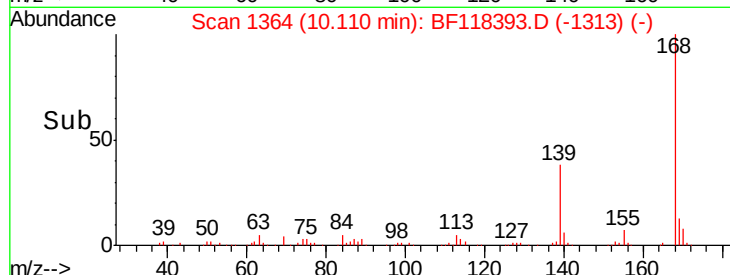
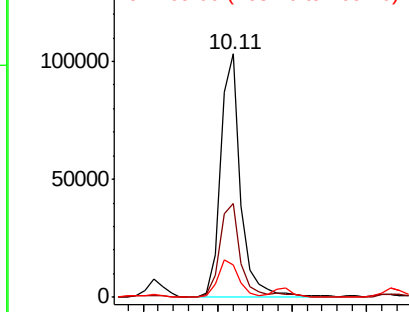
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	31.5	47.3
169	13.4	10.4	15.6

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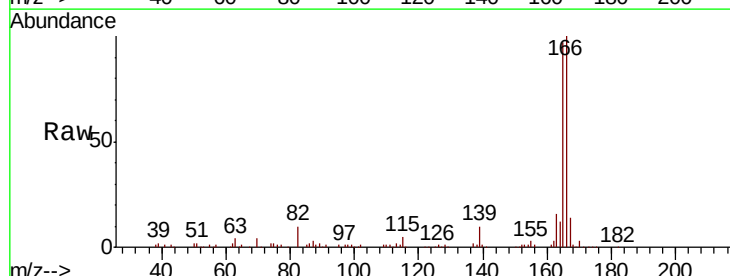


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

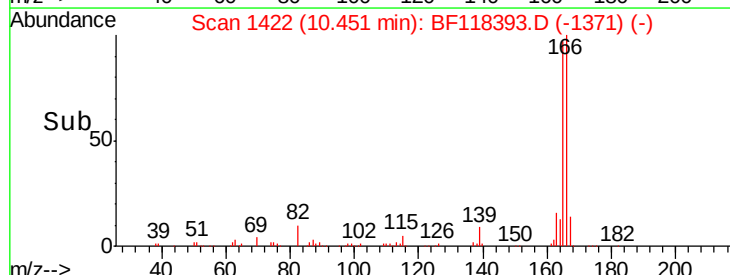
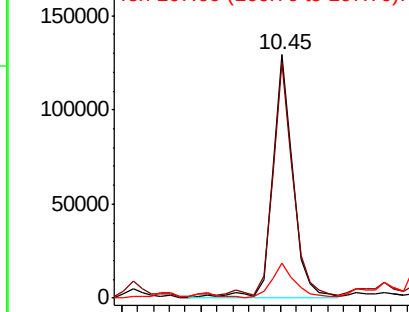


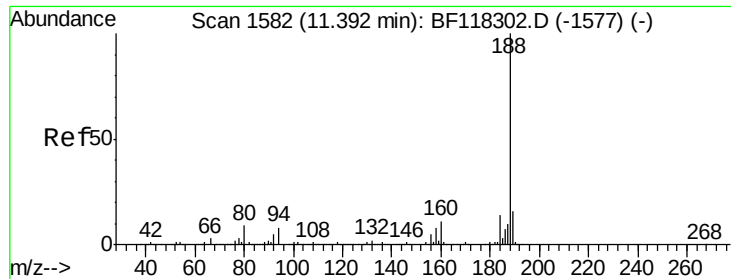
#58
Fluorene
Concen: 6.873 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.0	115.4
167	14.5	10.9	16.3



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





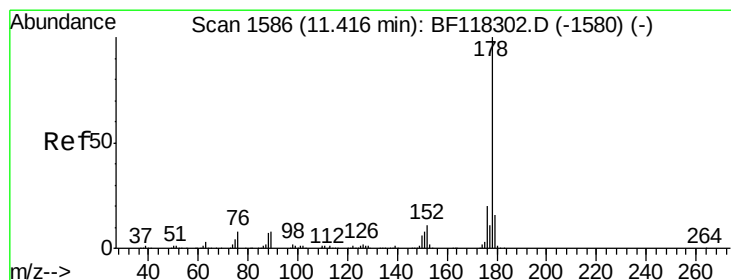
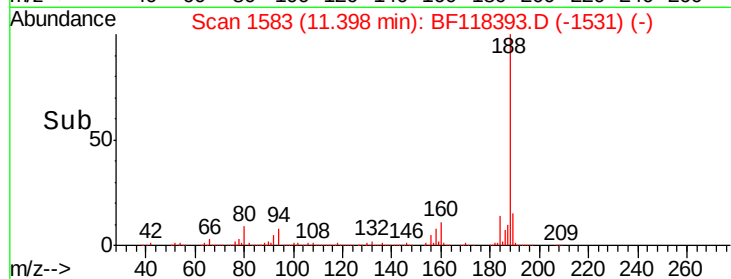
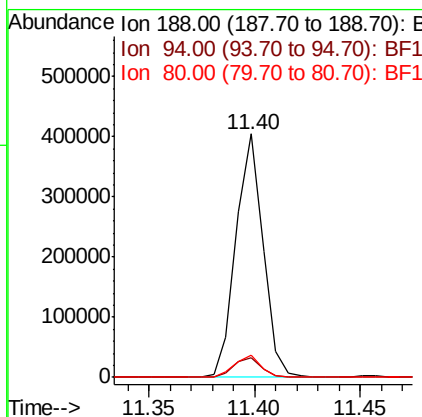
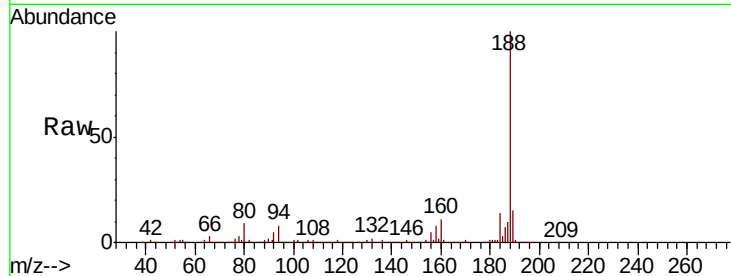
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	359458		
94	8.1		6.7	10.1
80	9.1		7.2	10.8

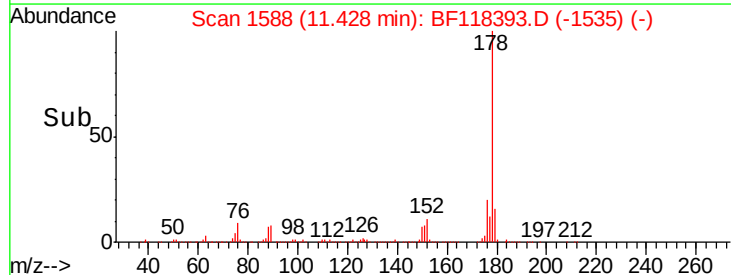
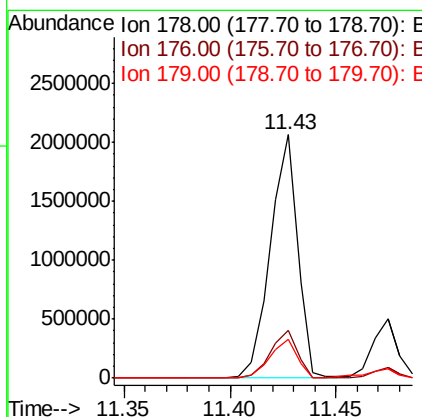
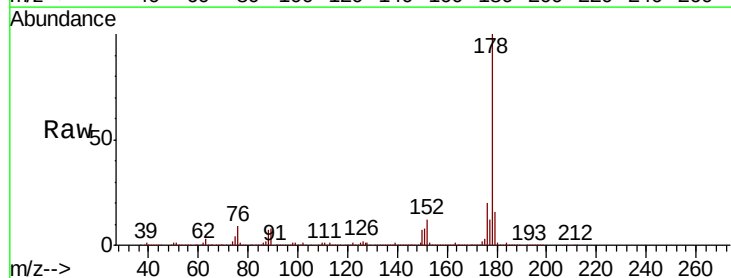
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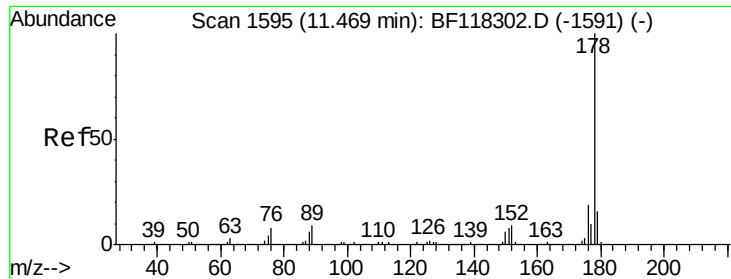
mohammad
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#71
Phenanthrene
Concen: 94.800 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1857679		
176	19.5		15.6	23.4
179	16.1		12.6	19.0





#72

Anthracene

Concen: 20.431 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Instrument :

BNA_F

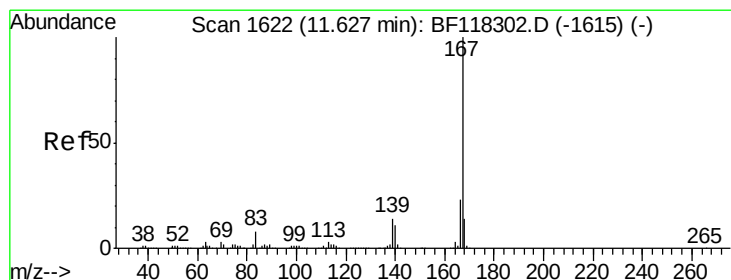
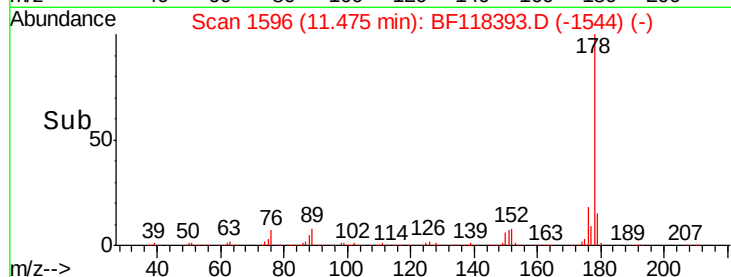
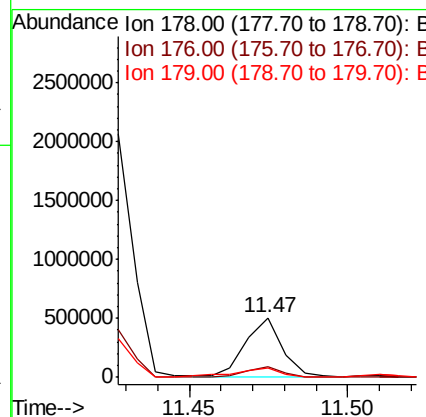
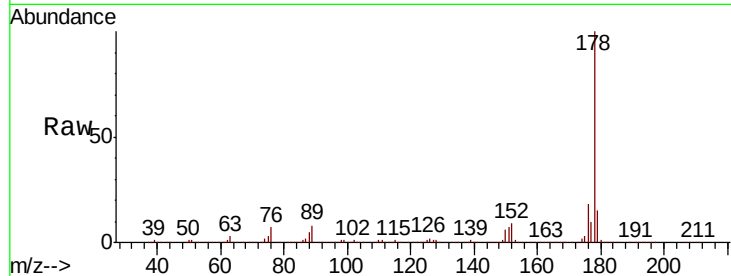
ClientSampleId :

K321-WC-01

Tot Ion:	178	Resp:	400734
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.2	22.8
179	15.3	12.9	19.3

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#73

Carbazole

Concen: 6.797 ng

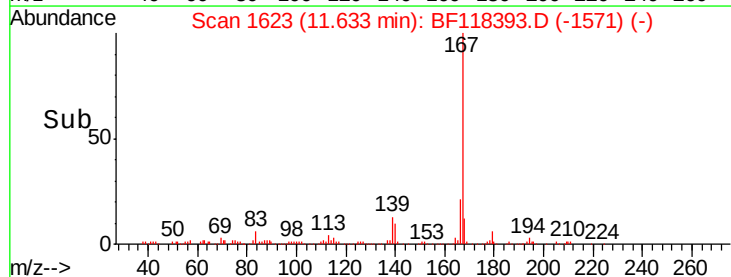
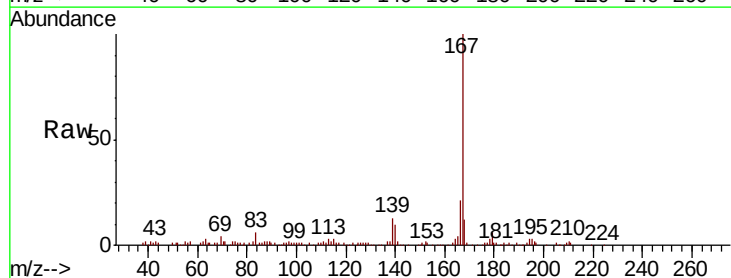
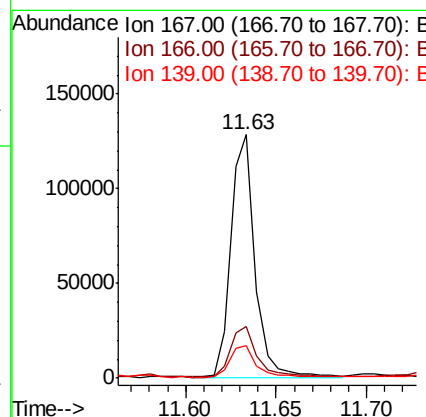
RT: 11.63 min Scan# 1623

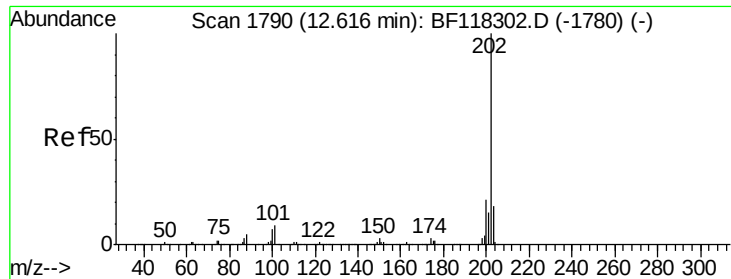
Delta R.T. 0.01 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Tgt Ion:	167	Resp:	118296
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.1	27.1
139	13.4	11.5	17.3





#75

Fluoranthene

Concen: 102.970 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Instrument :

BNA_F

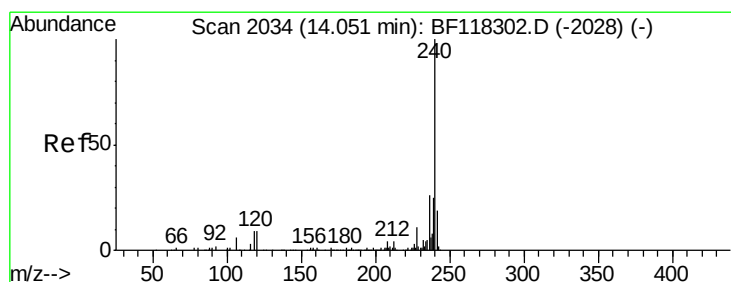
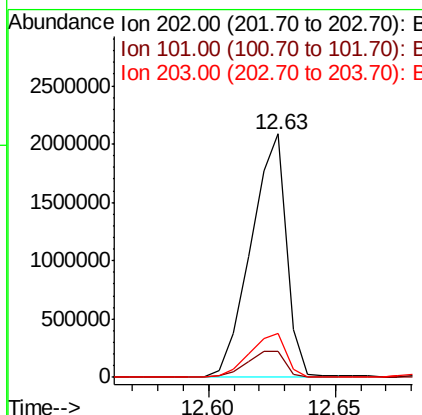
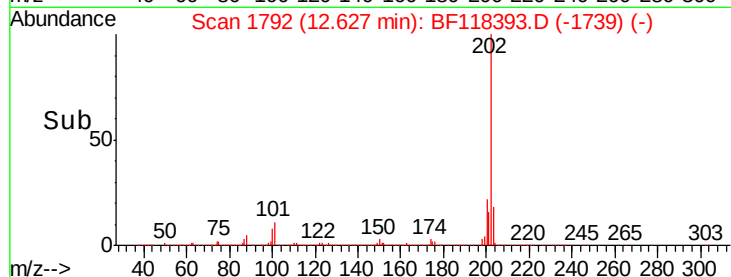
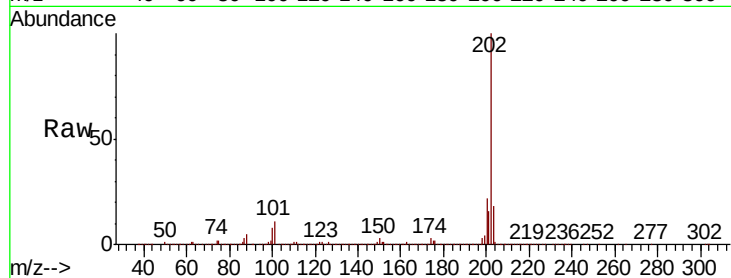
ClientSampleId :

K321-WC-01

Tot Ion:	202	Resp:	2036373
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	29.5
203	18.2	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

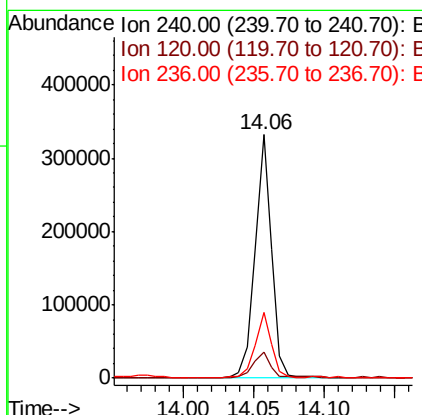
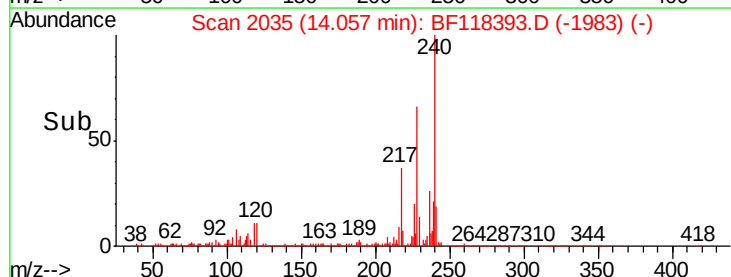
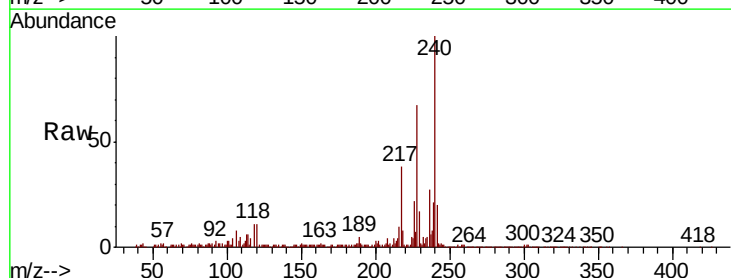
RT: 14.06 min Scan# 2035

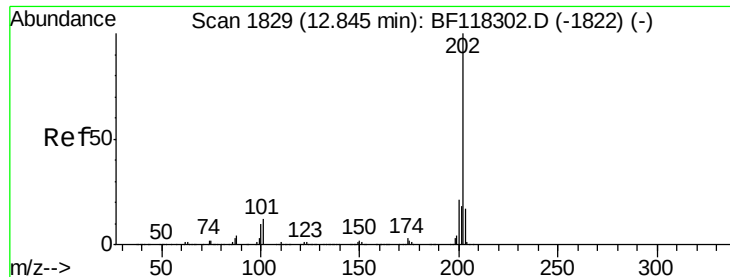
Delta R.T. 0.01 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Tgt Ion:	240	Resp:	270205
Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.1	10.7#
236	27.0	21.0	31.6





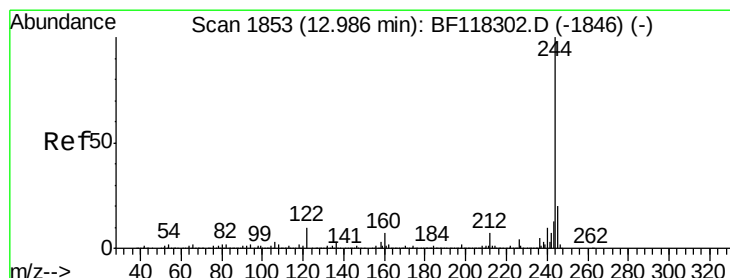
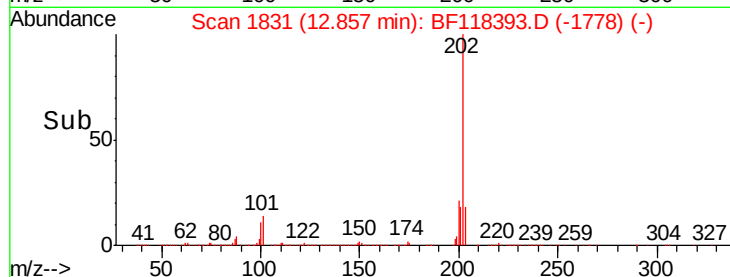
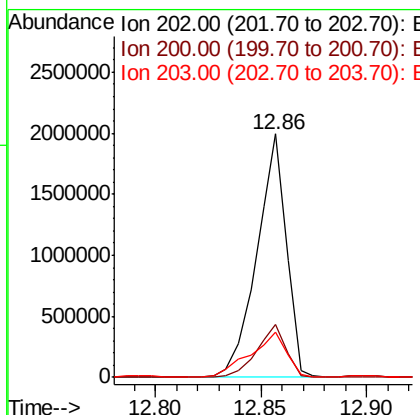
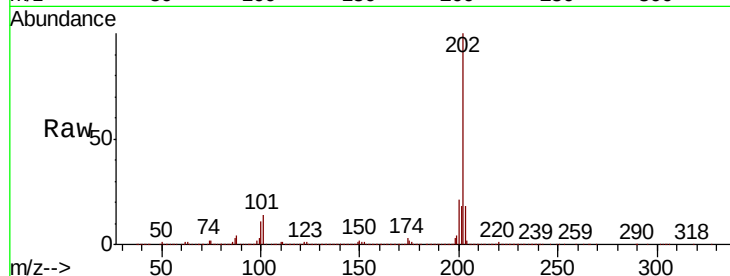
#78
Pvrene
Concen: 87.677 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.4	13.9	20.9

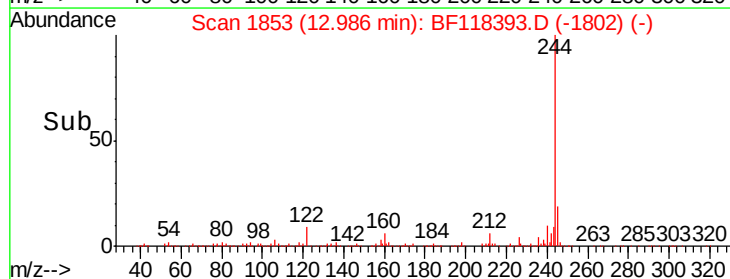
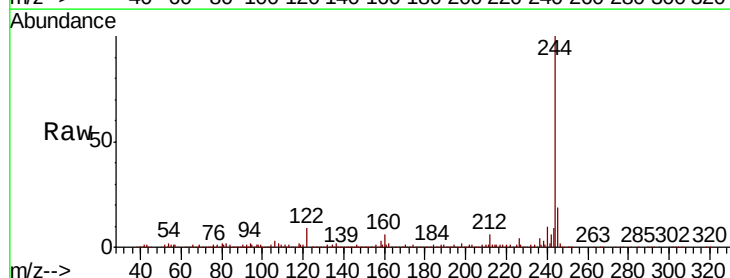
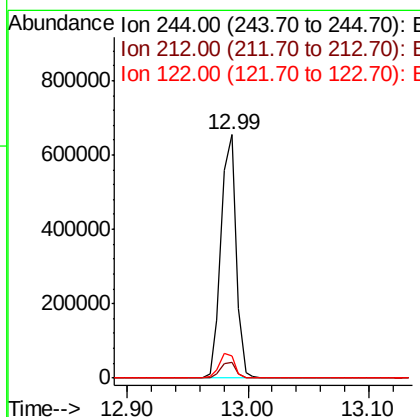
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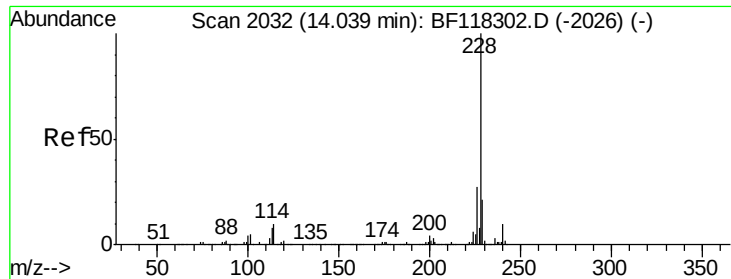
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#79
Terphenyl-d14
Concen: 34.531 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	9.1	7.8	11.8





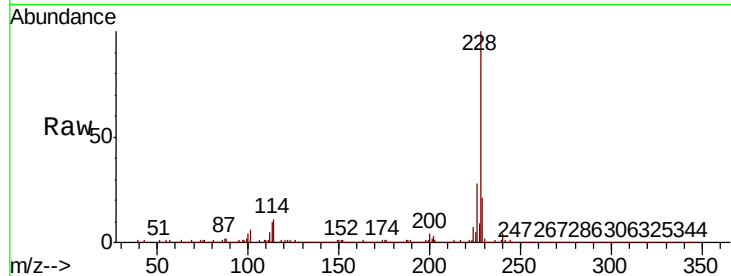
#81
Benzo(a)anthracene
Concen: 53.613 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	20.7	16.6	24.8

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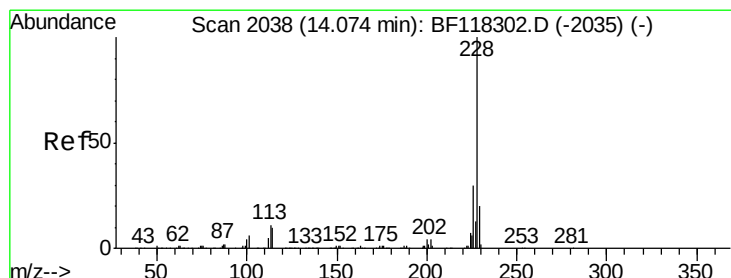
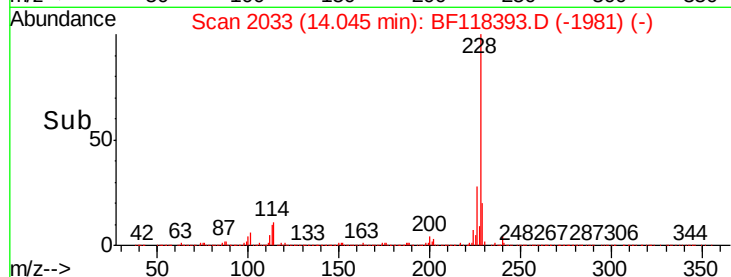
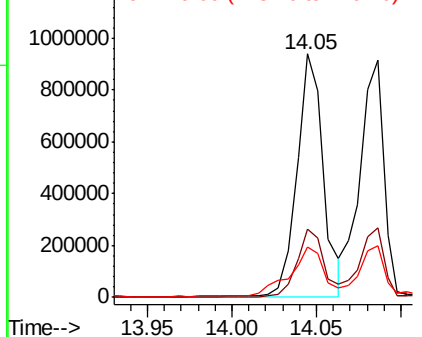


Abundance

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: 50.048 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

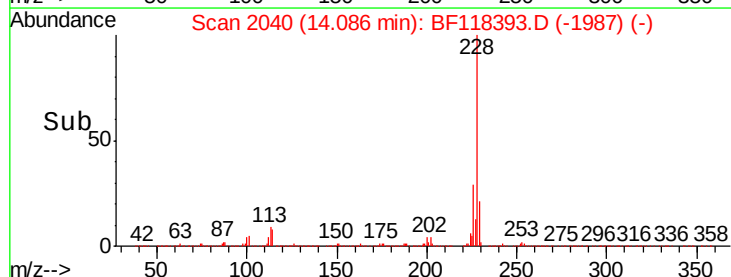
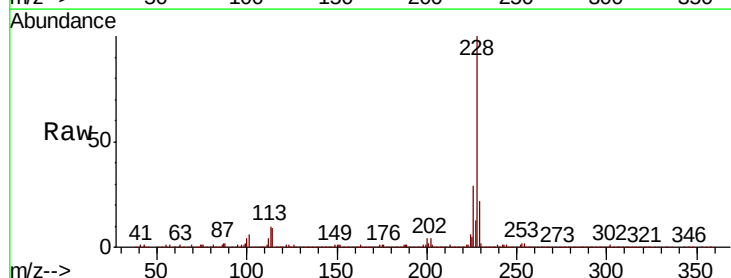
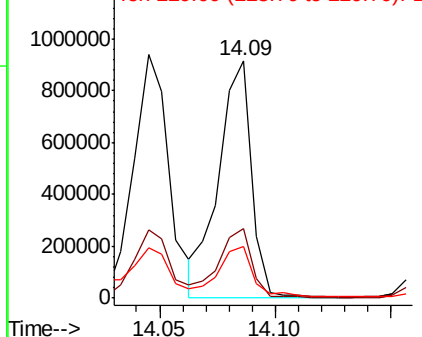
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	21.7	16.1	24.1

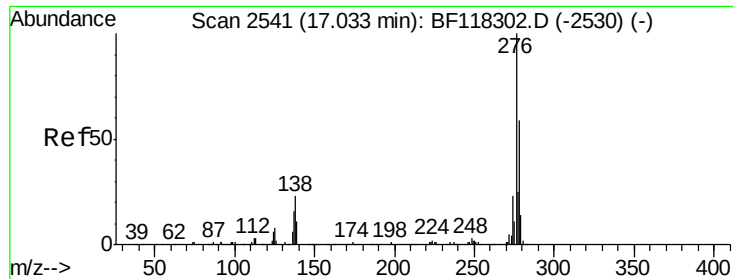
Abundance

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: 21.933 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.04 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Instrument :

BNA_F

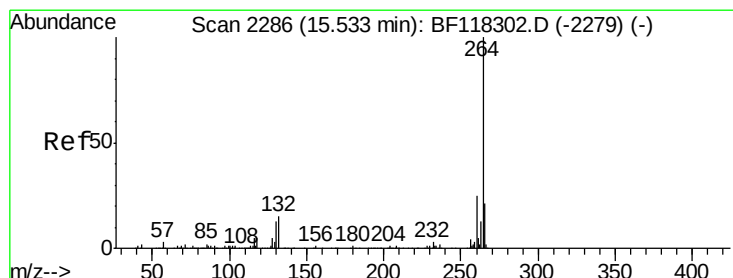
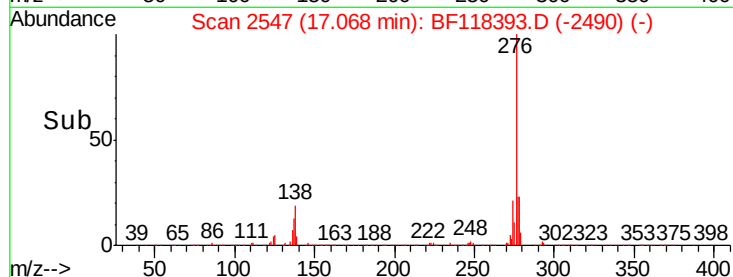
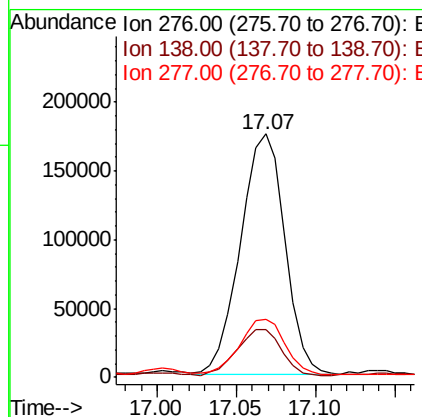
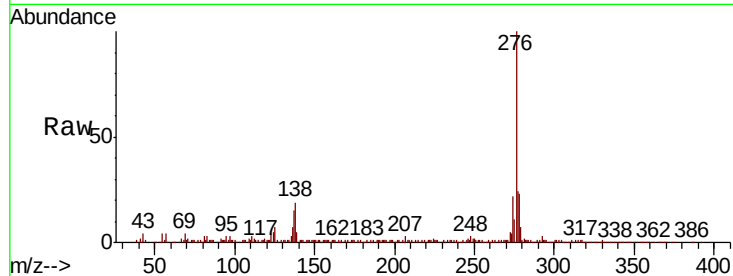
ClientSampleId :

K321-WC-01

Tot Ion:	276	Resp:	338440
Ion Ratio	Lower	Upper	
276	100		
138	19.2	19.5	29.3#
277	23.7	20.6	30.8

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#87

Perylene-d12

Concen: 20.000 ng

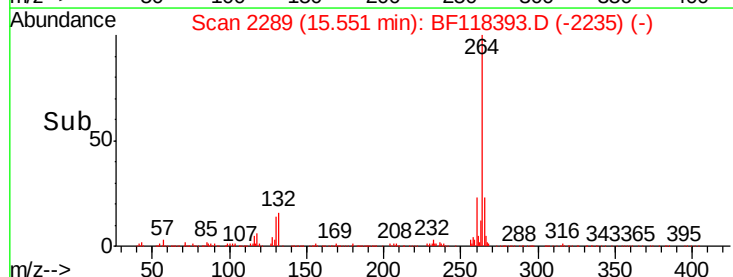
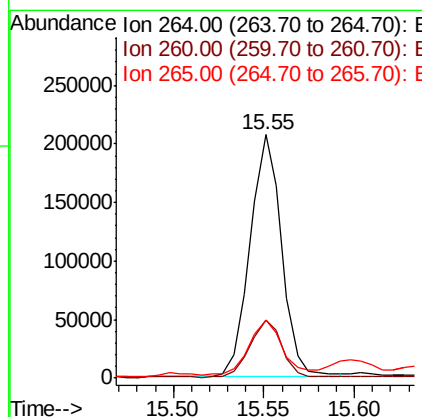
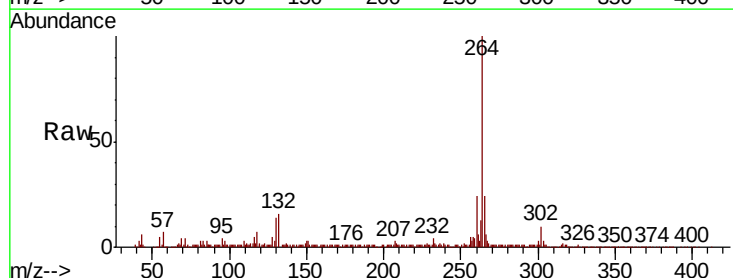
RT: 15.55 min Scan# 2289

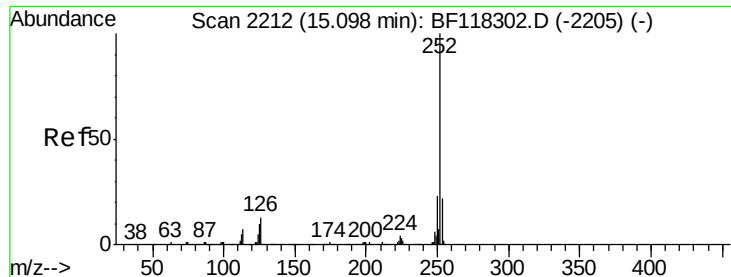
Delta R.T. 0.02 min

Lab File: BF118393.D

Acq: 30 Dec 2019 20:56

Tgt Ion:	264	Resp:	249839
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.8	29.6
265	23.7	17.0	25.4





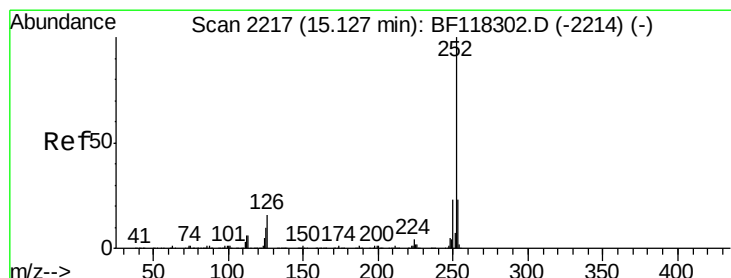
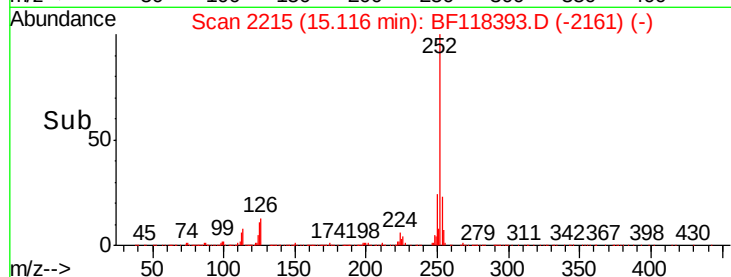
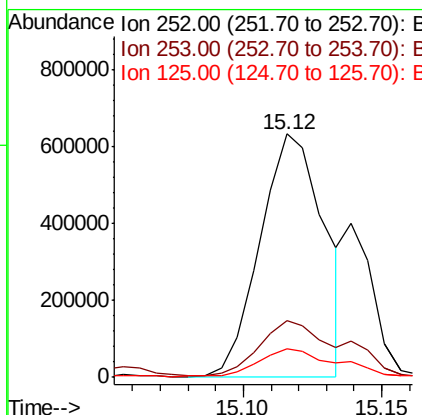
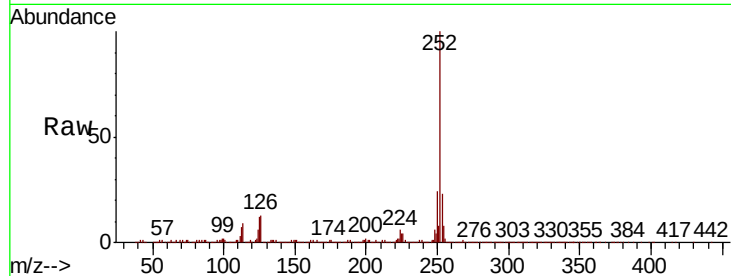
#88
Benzo(b)fluoranthene
Concen: 61.448 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.02 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	11.7	7.7	11.5

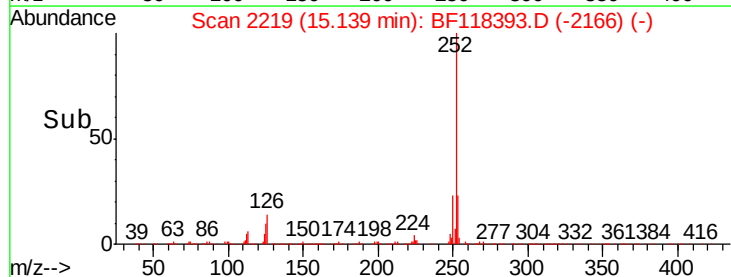
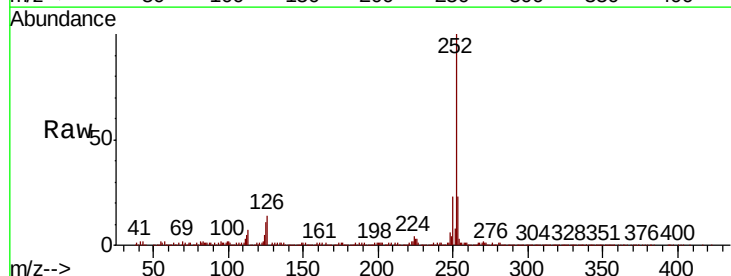
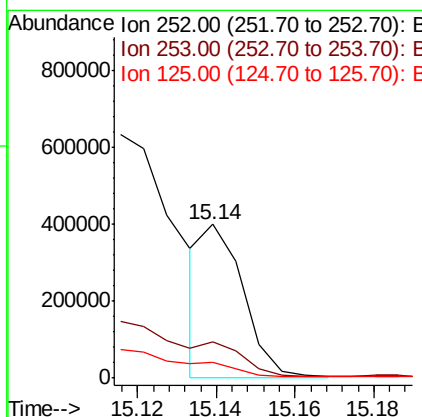
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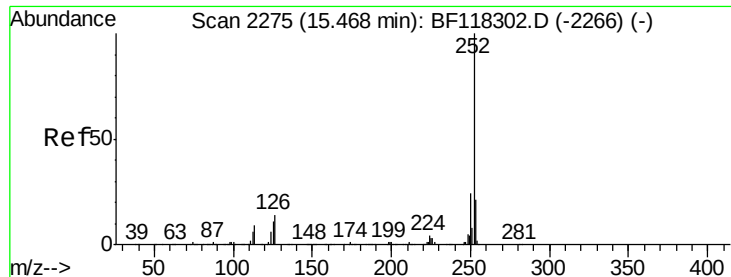
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#89
Benzo(k)fluoranthene
Concen: 18.151 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	10.5	8.0	12.0





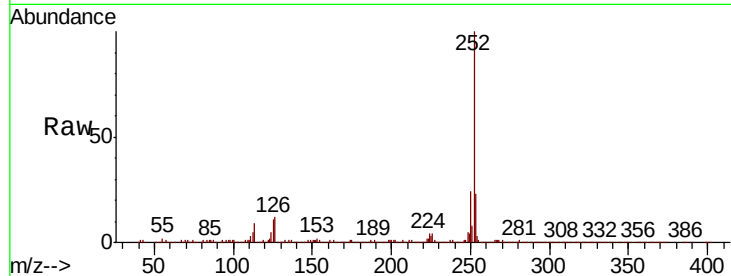
#90
Benzo(a)pyrene
Concen: 46.028 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Instrument :
BNA_F
ClientSampleId :
K321-WC-01

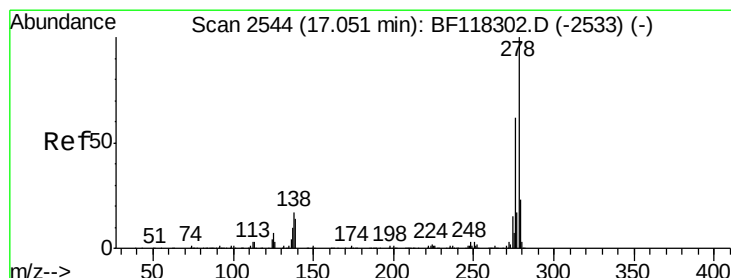
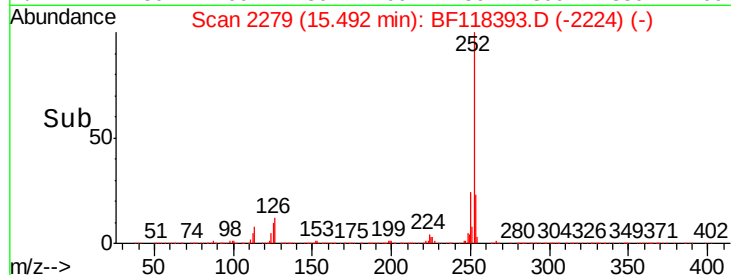
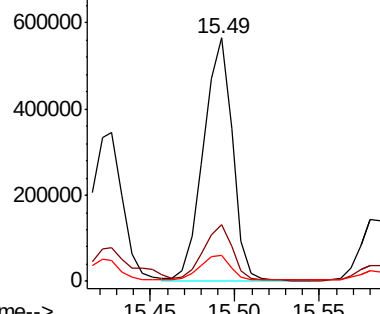
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.9	9.0	13.4

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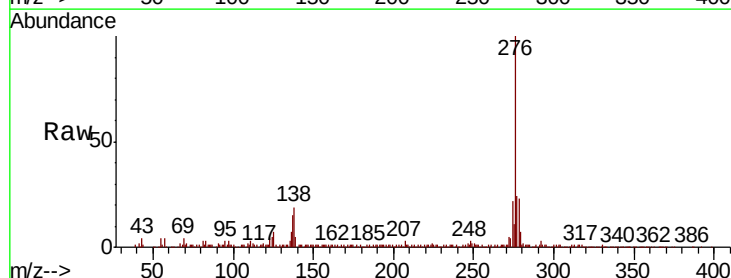


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

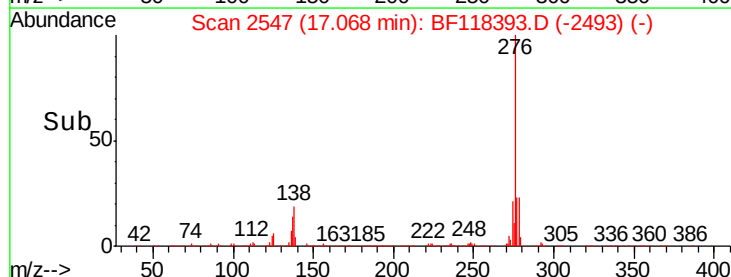
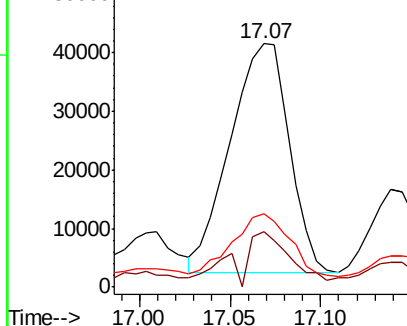


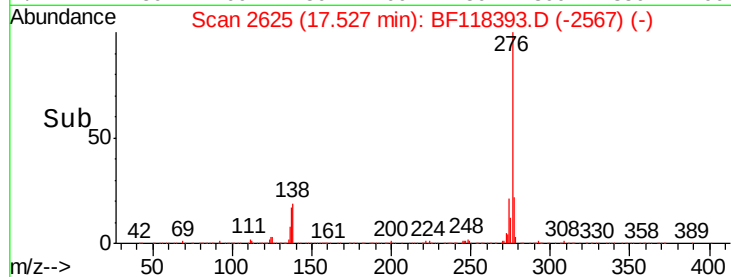
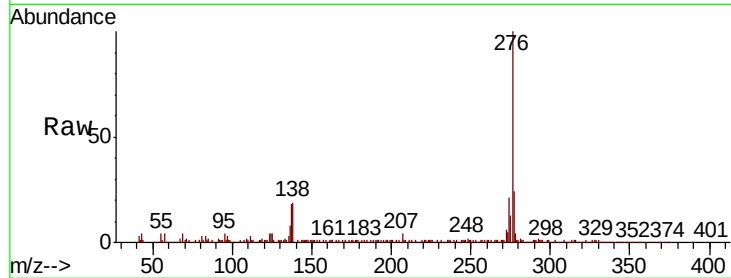
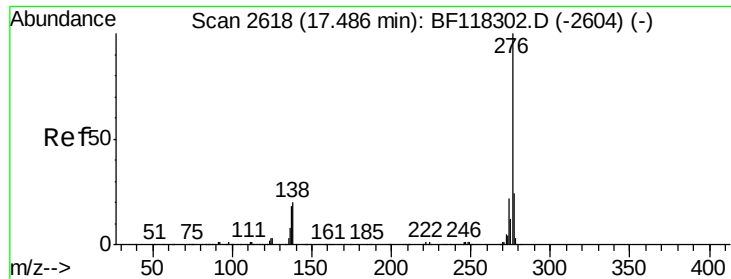
#91
Dibenzo(a,h)anthracene
Concen: 7.024 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.02 min
Lab File: BF118393.D
Acq: 30 Dec 2019 20:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	11.5	17.3#
279	30.1	18.3	27.5#



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(a,h,i)perylene
 Concen: 26.044 ng
 RT: 17.53 min Scan# 2625
 Delta R.T. 0.04 min
 Lab File: BF118393.D
 Acq: 30 Dec 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	19.4	16.1	24.1

Manual Integrations
 APPROVED

mohammad
 12/31/2019 12:04:32 PM

