

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007113.D
 Acq On : 13 Aug 2019 03:54
 Operator : HP/JU
 Sample : K4143-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-003-SW075-073019

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:52:19 AM

Quant Time: Aug 13 06:55:16 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9350	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	36658	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21474	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	51606	0.40	ng	0.00
26) Chrysene-d12	21.05	240	50668	0.40	ng	-0.01
32) Perylene-d12	23.15	264	55250	0.40	ng	-0.02

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6238	0.28	ng	0.00
4) Phenol-d6	6.61	99	8536	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	6716	0.23	ng	0.00
10) 2-Methylnaphthalene-d10	11.78	152	15559	0.23	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2421	0.21	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3685	0.12	ng	0.00
24) Fluoranthene-d10	18.87	212	38630	0.21	ng	0.00
28) Terphenyl-d14	19.49	244	29899	0.22	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	2829	0.028	ng	# 87
11) 2-Methylnaphthalene	11.86	142	2427	0.033	ng	# 88
15) Acenaphthylene	13.79	152	15987	0.142	ng	97
16) Acenaphthene	14.13	154	1458	0.020	ng	# 90
17) Fluorene	15.13	166	3666	0.034	ng	86
22) Phenanthrene	16.87	178	104732	0.677	ng	100
23) Anthracene	16.95	178	19146	0.135	ng	# 94
25) Fluoranthene	18.90	202	417621	2.111	ng	100
27) Pyrene	19.26	202	363802	2.047	ng	# 96
29) Benzo(a)anthracene	21.02	228	208647	1.126	ng	95
30) Chrysene	21.08	228	266966	1.483	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	192103	0.968	ng	98
33) Benzo(b)fluoranthene	22.53	252	397853	2.100	ng	100
34) Benzo(k)fluoranthene	22.57	252	134363m	0.718	ng	
35) Benzo(a)pyrene	23.06	252	232571	1.354	ng	100
36) Dibenzo(a,h)anthracene	25.24	278	47053	0.275	ng	# 85
37) Benzo(a,h,i)perylene	25.86	276	193193	1.096	ng	99

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

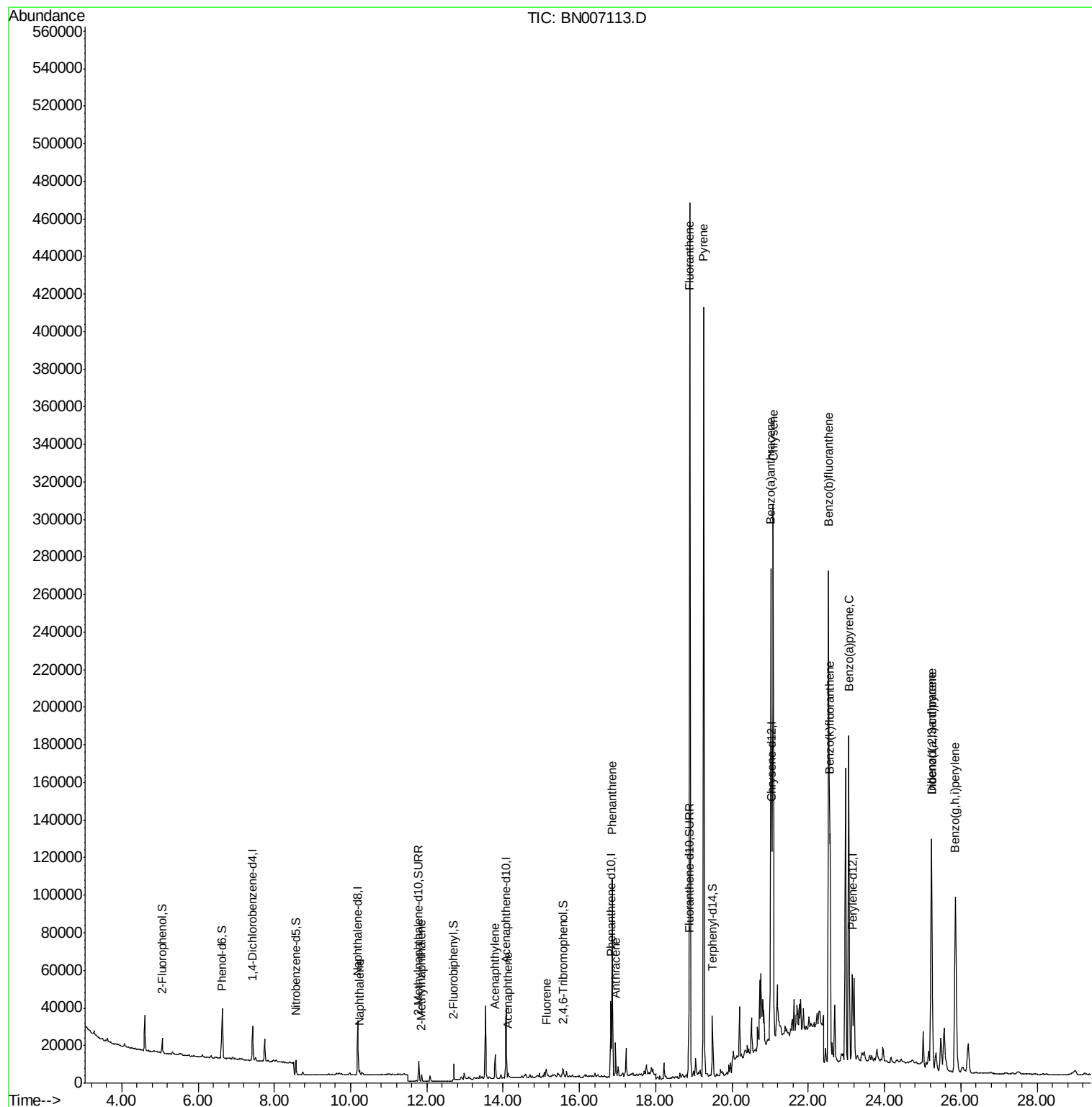
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007113.D
Acq On : 13 Aug 2019 03:54
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Misc :
ALS Vial : 22 Sample Multiplier: 1

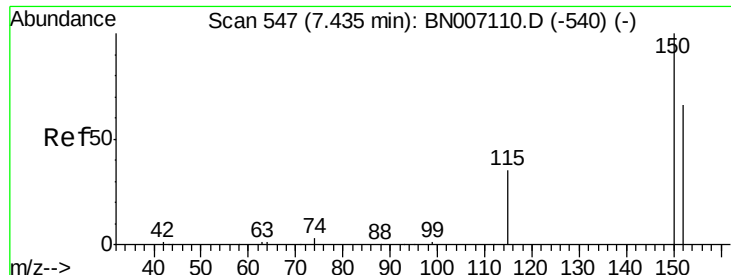
Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

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Quant Time: Aug 13 06:55:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

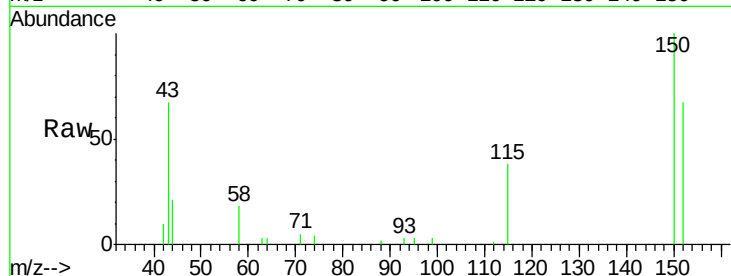
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	121.7	182.5
115	57.5	46.2	69.4

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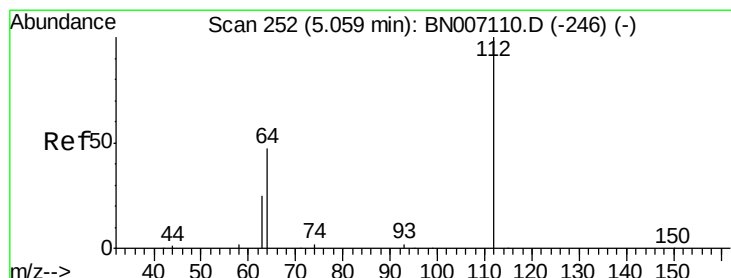
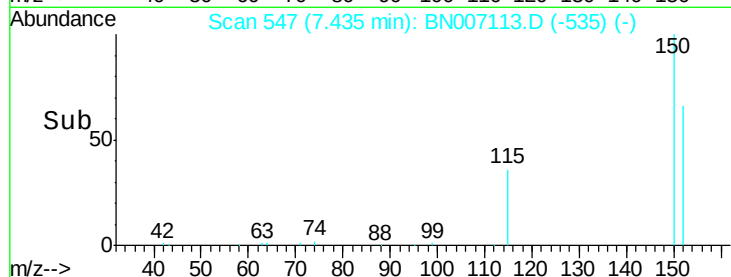
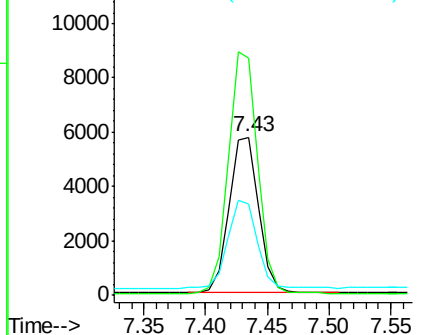


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

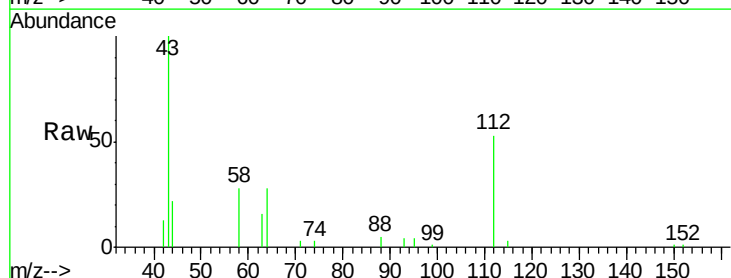
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.278 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	42.6	63.8
63	28.2	22.2	33.2

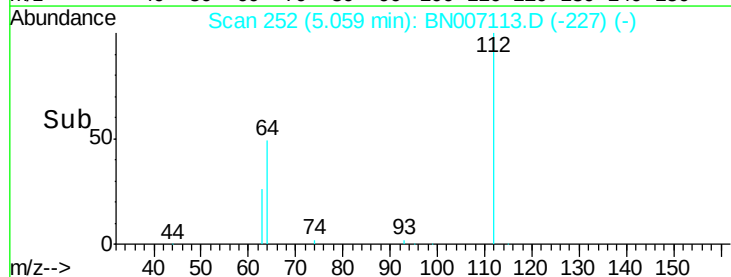
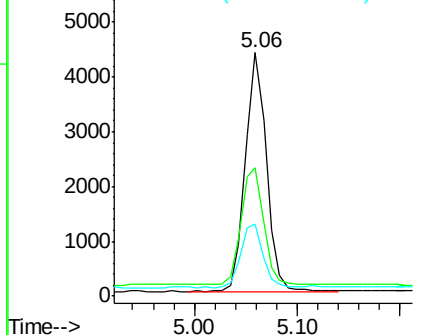


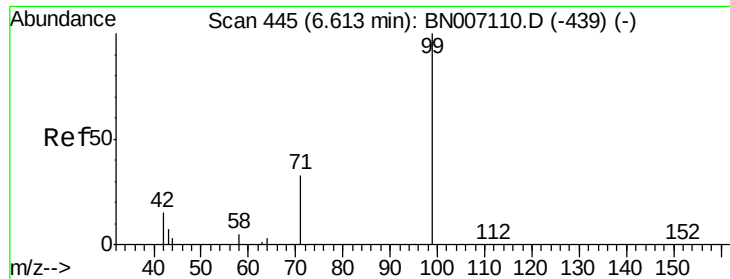
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.307 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Instrument :

BNA_N

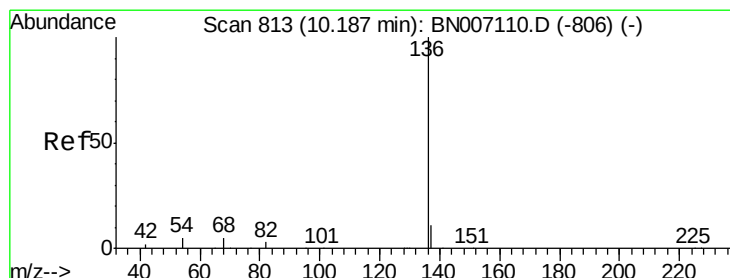
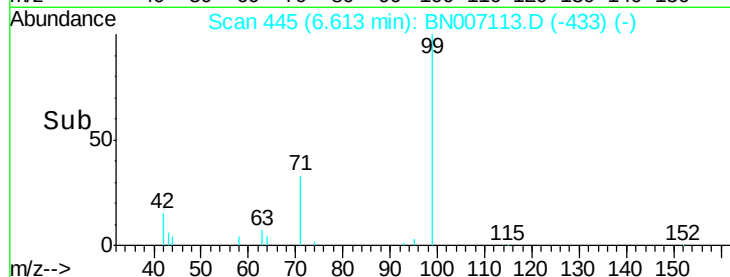
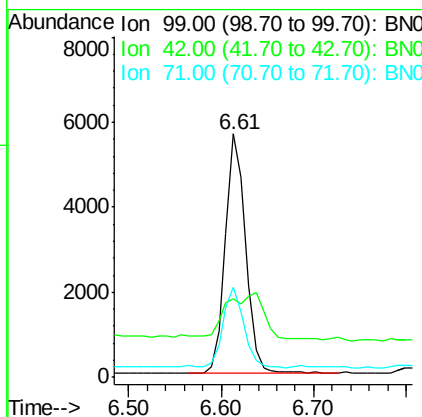
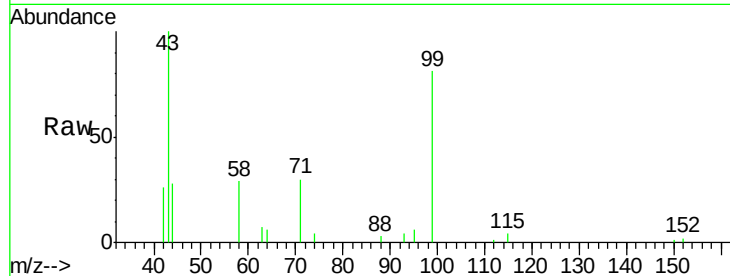
ClientSampleId :

EXT-003-SW075-073019

Tot Ion:	99	Resp:	8536
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.0	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

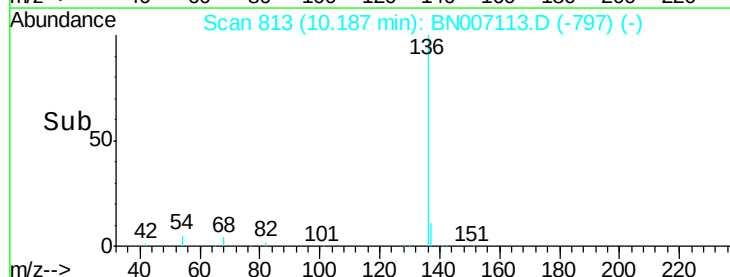
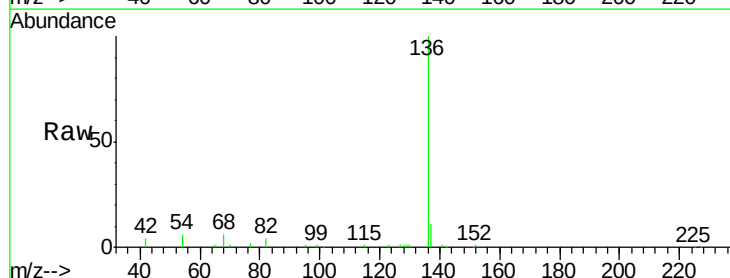
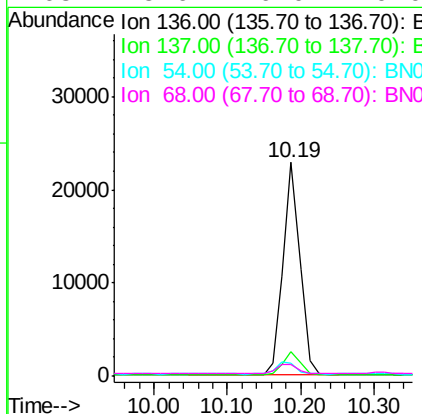
RT: 10.19 min Scan# 813

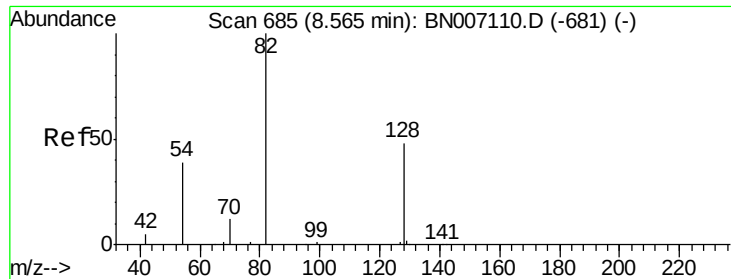
Delta R.T. -0.00 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Tgt Ion:	136	Resp:	36658
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	5.8	6.6	9.8#
68	5.6	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.227 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Instrument :

BNA_N

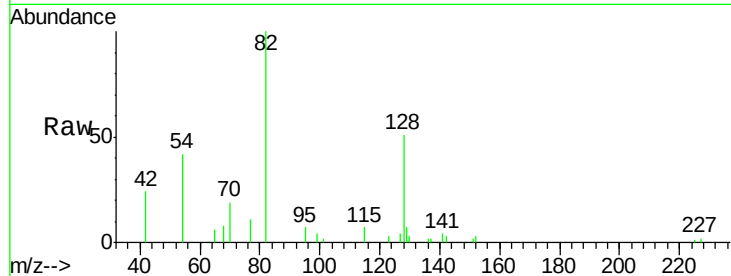
ClientSampleId :

EXT-003-SW075-073019

Tot Ion:	82	Resp:	6716
Ion	Ratio	Lower	Upper
82	100		
128	50.6	34.6	51.8
54	42.1	36.2	54.4

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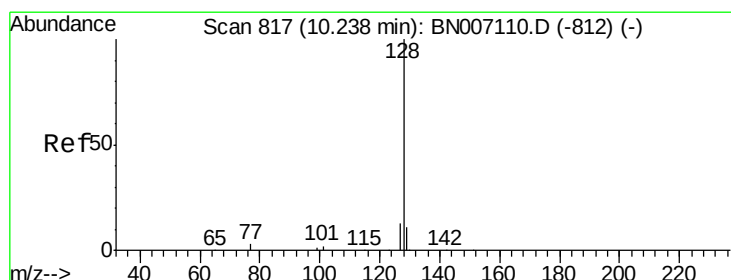
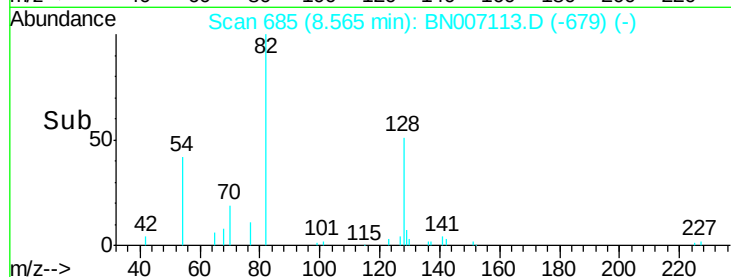
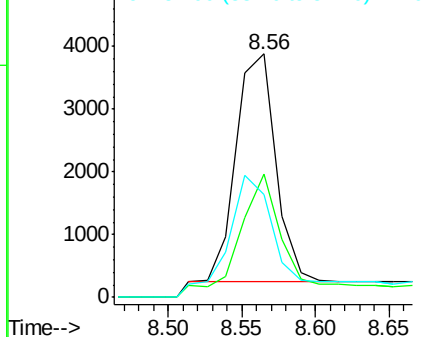
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Abundance Ion 82.00 (81.70 to 82.70): BN007113.D (-679) (-)

Ion 128.00 (127.70 to 128.70): BN007113.D (-679) (-)

Ion 54.00 (53.70 to 54.70): BN007113.D (-679) (-)



#8

Naphthalene

Concen: 0.028 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007113.D

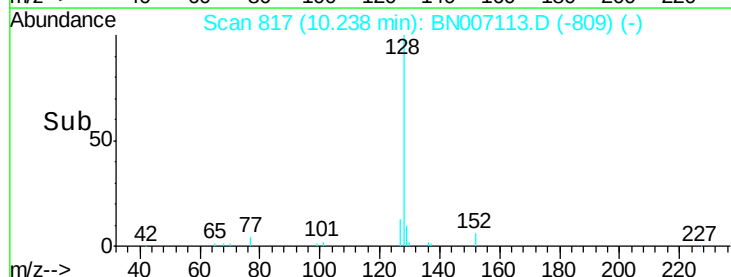
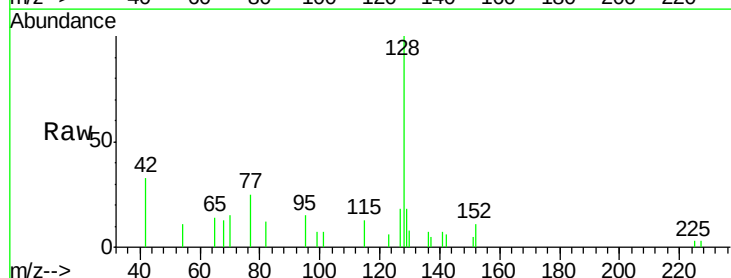
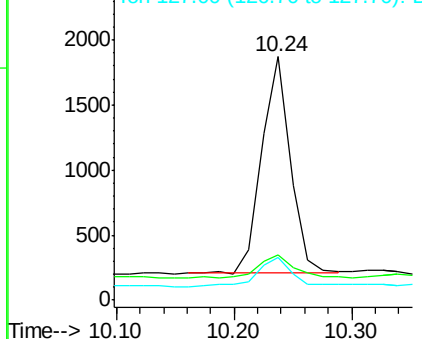
Acq: 13 Aug 2019 03:54

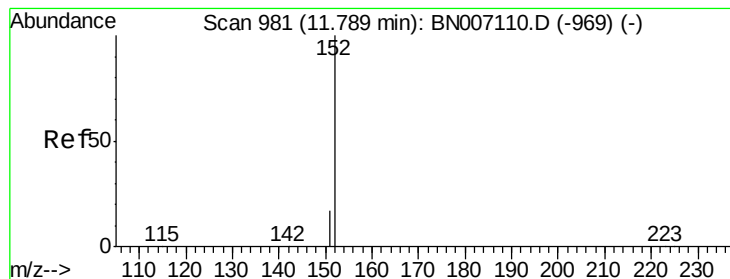
Tgt Ion:	128	Resp:	2829
Ion	Ratio	Lower	Upper
128	100		
129	18.4	9.4	14.2#
127	17.7	11.0	16.6#

Abundance Ion 128.00 (127.70 to 128.70): BN007113.D (-809) (-)

Ion 129.00 (128.70 to 129.70): BN007113.D (-809) (-)

Ion 127.00 (126.70 to 127.70): BN007113.D (-809) (-)





#10

2-Methylnaphthalene-d10

Concen: 0.228 ng

RT: 11.78 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Instrument :

BNA_N

ClientSampleId :

EXT-003-SW075-073019

Tot Ion:152 Resp: 15559

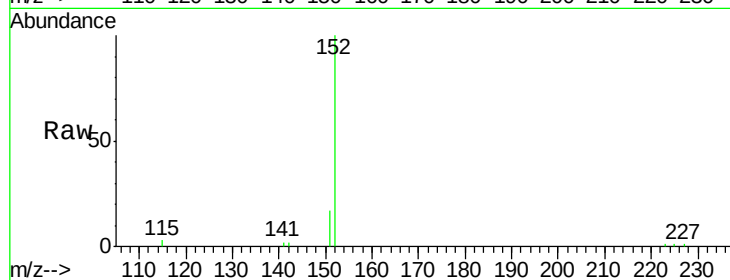
Ion Ratio Lower Upper

152 100

151 19.4 15.5 23.3

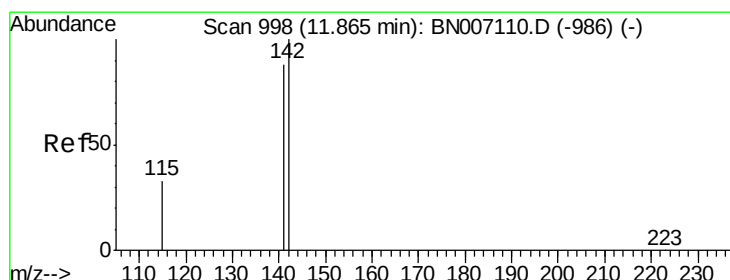
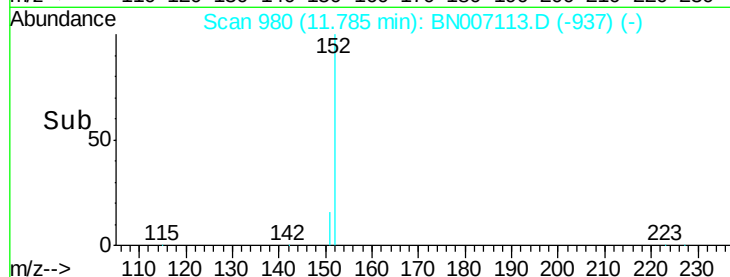
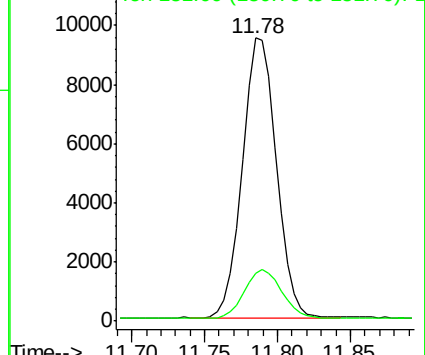
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#11

2-Methylnaphthalene

Concen: 0.033 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

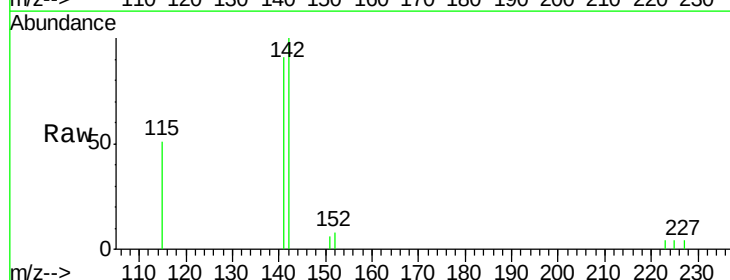
Tgt Ion:142 Resp: 2427

Ion Ratio Lower Upper

142 100

141 91.2 69.0 103.6

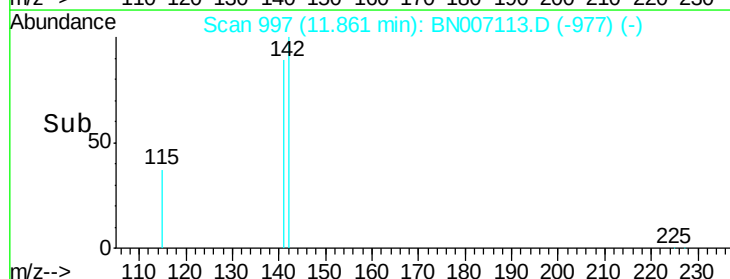
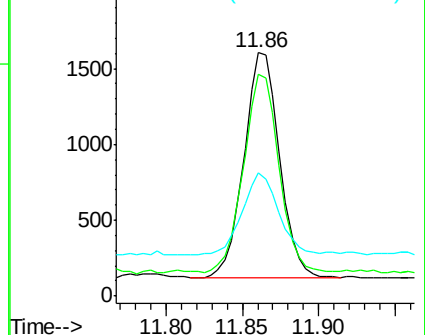
115 50.5 27.1 40.7#

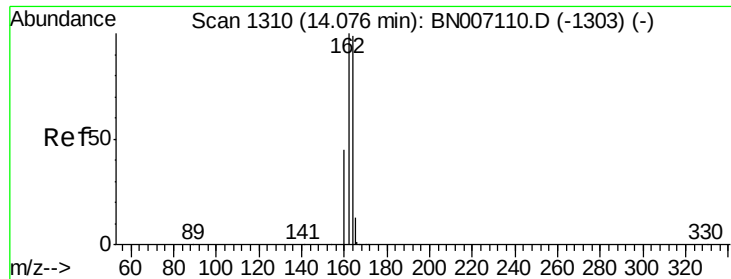


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





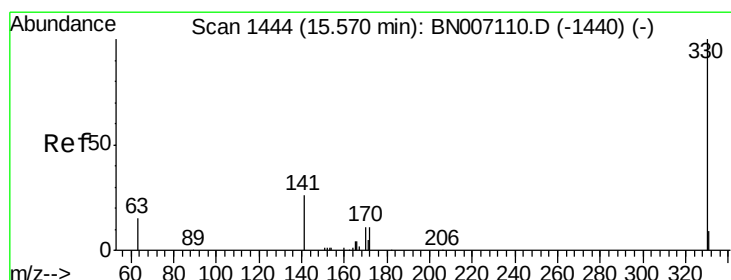
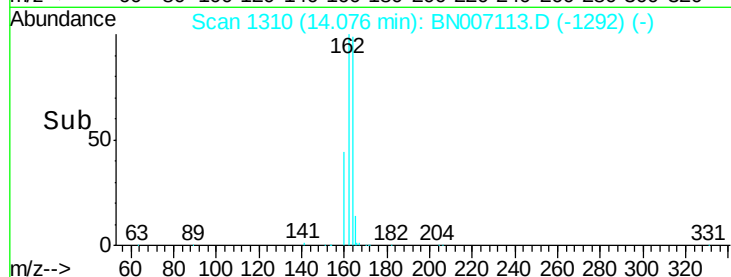
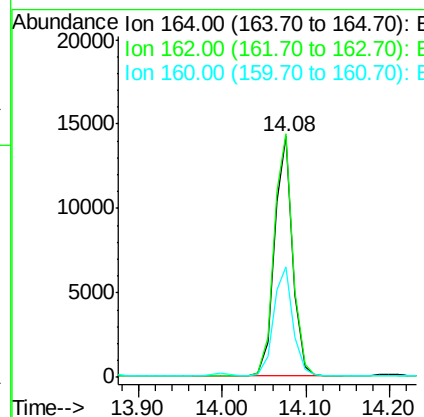
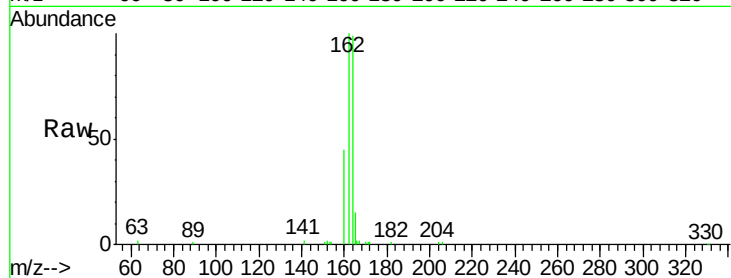
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.2	123.4
160	45.8	38.3	57.5

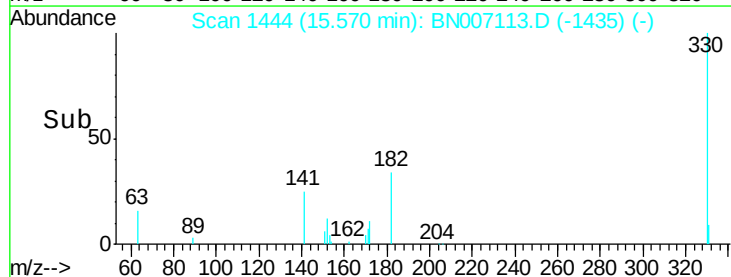
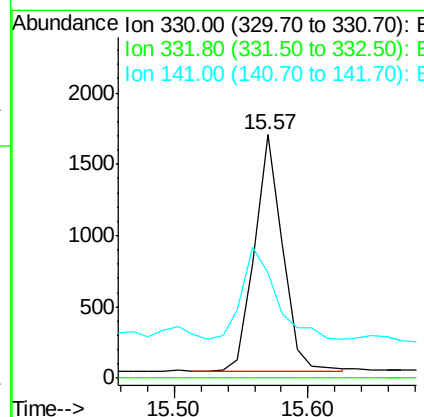
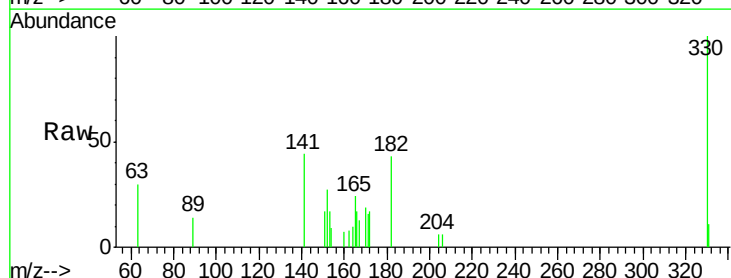
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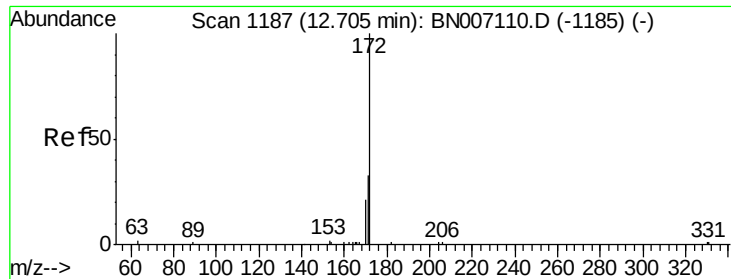
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#13
2,4,6-Tribromophenol
Concen: 0.209 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	47.5	33.6	50.4





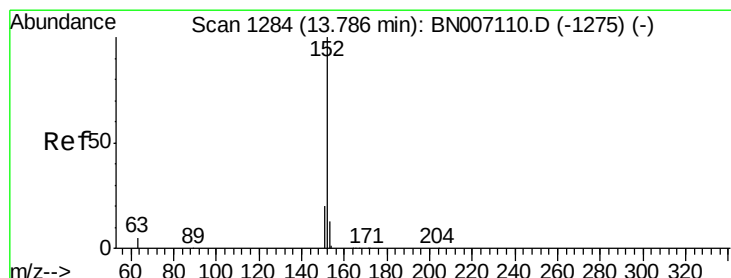
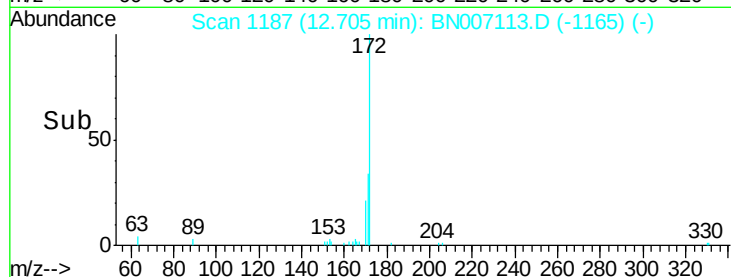
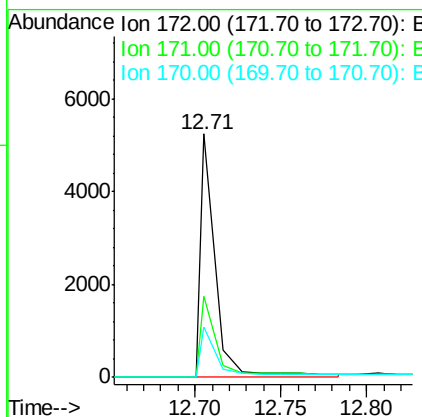
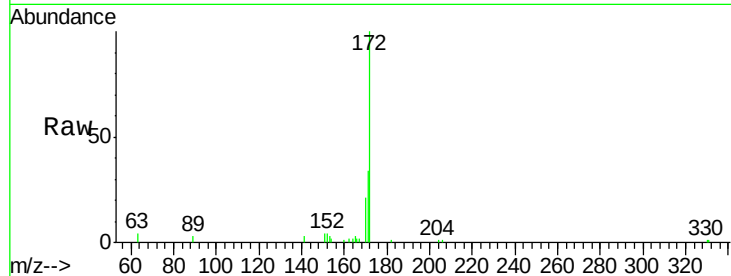
#14
2-Fluorobiphenyl
Concen: 0.118 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion:	172	Resp:	3685
Ion Ratio	Lower	Upper	
172	100		
171	33.5	26.3	39.5
170	20.8	17.0	25.4

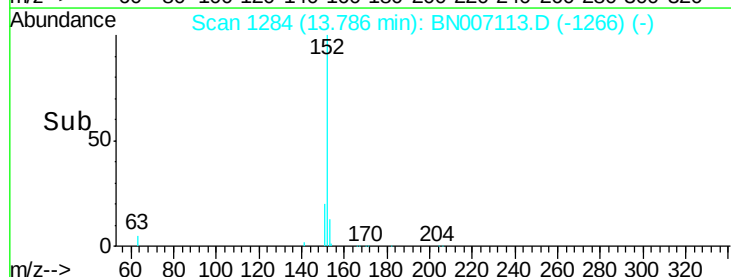
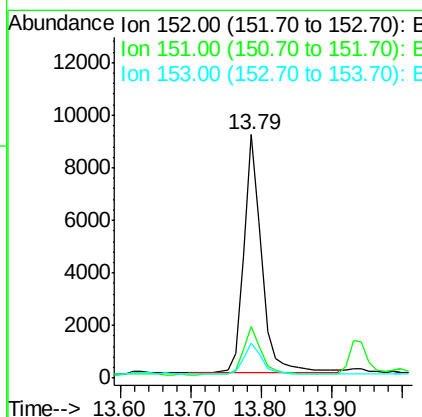
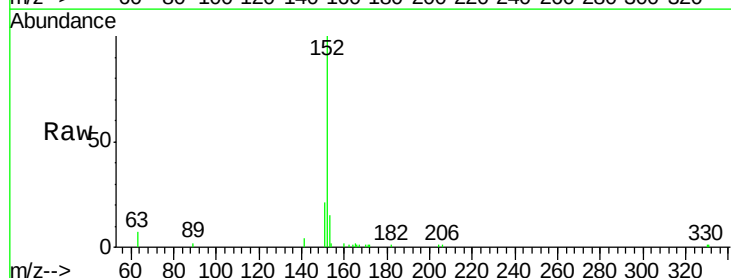
Manual Integrations
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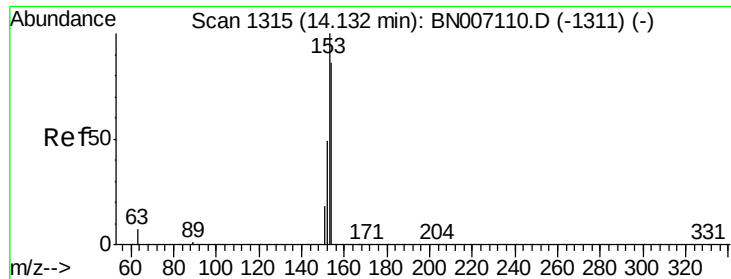
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#15
Acenaphthylene
Concen: 0.142 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion:	152	Resp:	15987
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.8	23.6
153	13.7	10.4	15.6





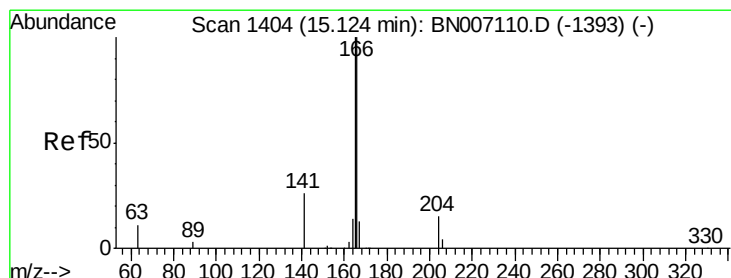
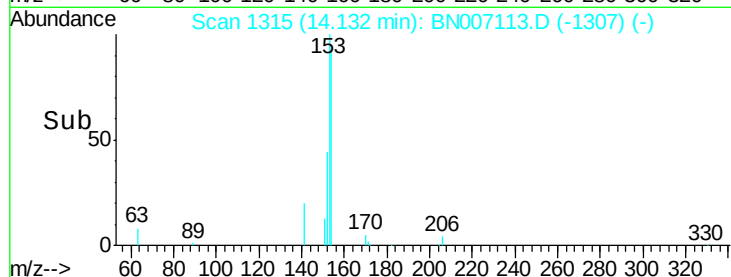
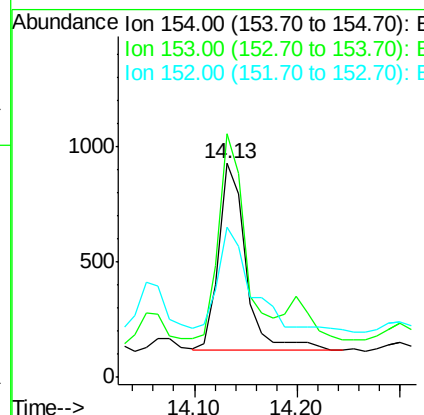
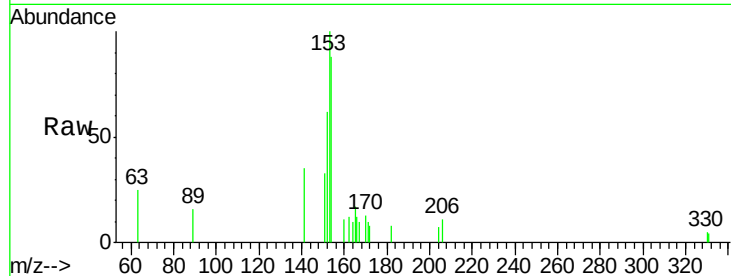
#16
Acenaphthene
Concen: 0.020 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion	Ratio	Lower	Upper
154	100		
153	107.6	89.5	134.3
152	73.0	44.8	67.2

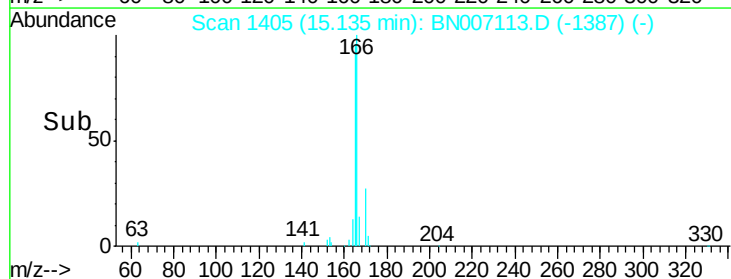
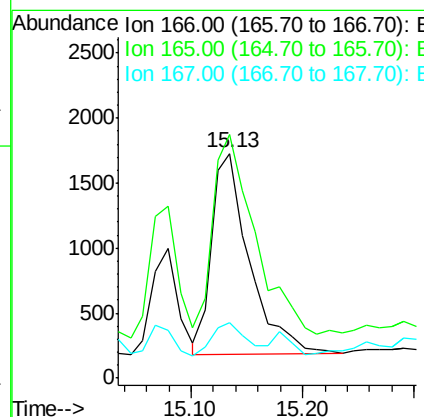
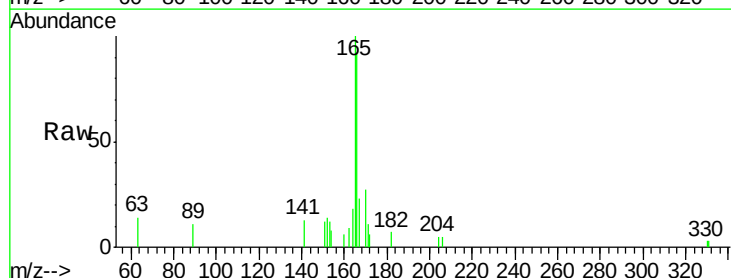
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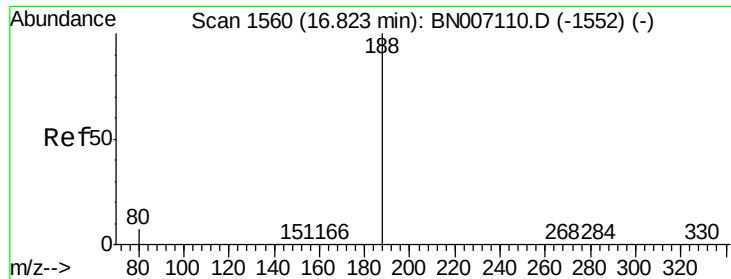
mohammad
8/14/2019 2:52:19 AM



#17
Fluorene
Concen: 0.034 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.4	77.9	116.9
167	14.2	10.9	16.3





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Instrument :

BNA_N

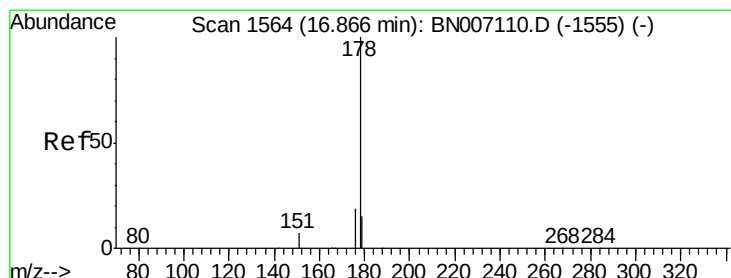
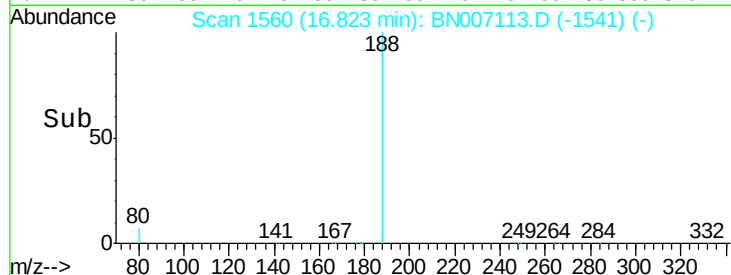
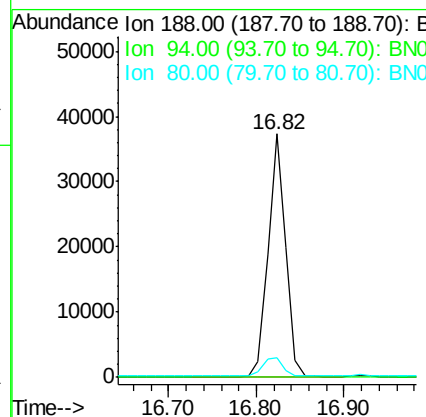
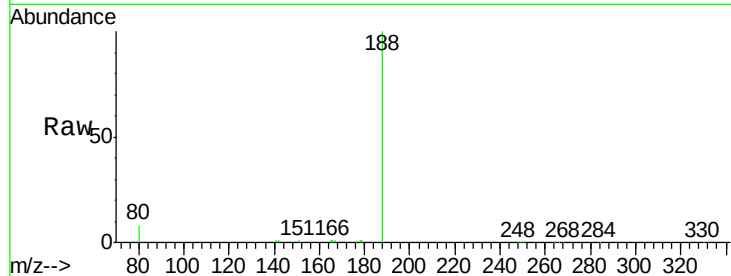
ClientSampleId :

EXT-003-SW075-073019

Tot Ion:	188	Resp:	51606
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.0	7.8	11.6

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#22

Phenanthrene

Concen: 0.677 ng

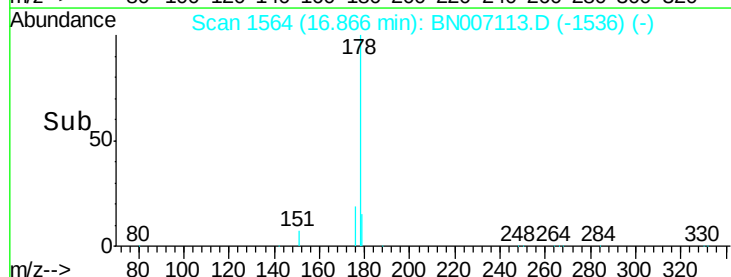
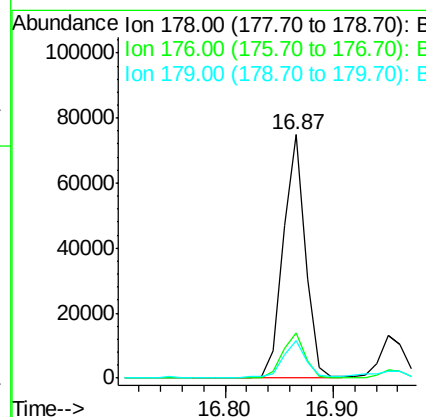
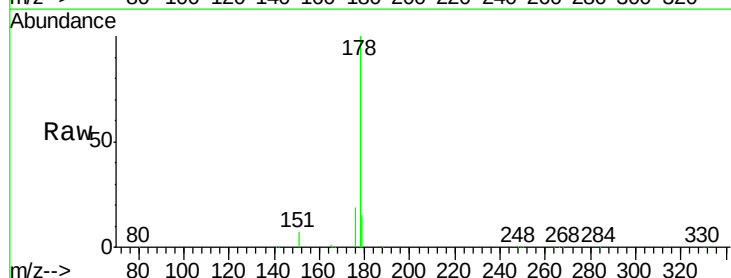
RT: 16.87 min Scan# 1564

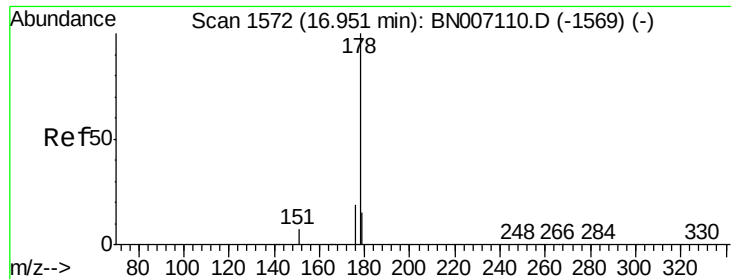
Delta R.T. -0.00 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Tgt Ion:	178	Resp:	104732
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.2	22.8
179	15.4	12.3	18.5





#23

Anthracene

Concen: 0.135 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Instrument :

BNA_N

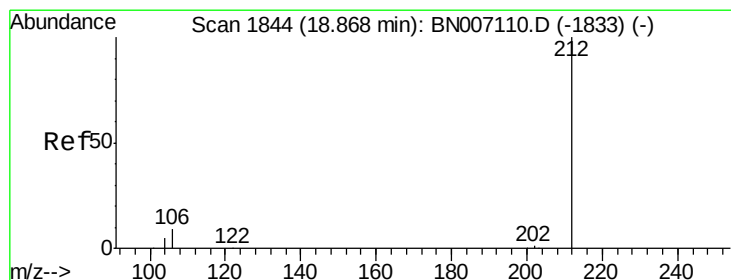
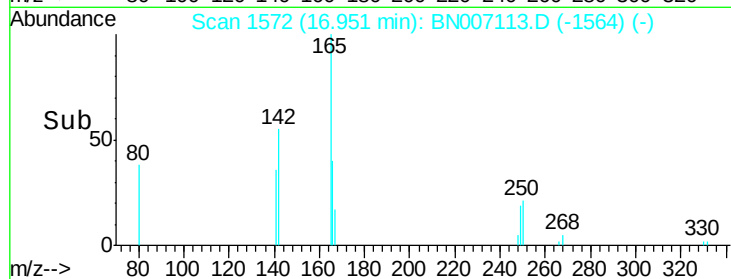
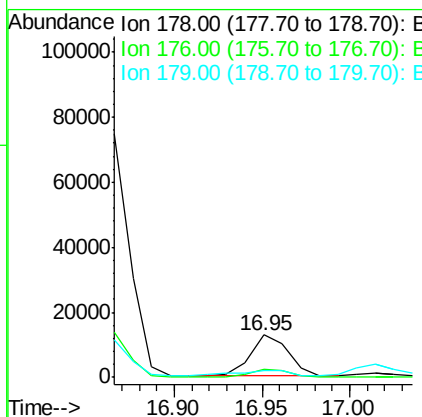
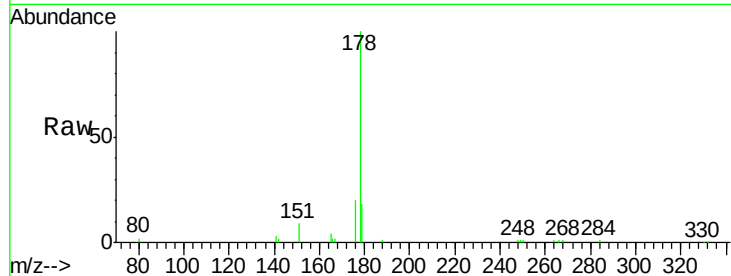
ClientSampleId :

EXT-003-SW075-073019

Tot Ion:178	Resp:	19146
Ion Ratio	Lower	Upper
178 100		
176 18.2	14.6	21.8
179 20.9	12.5	18.7#

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#24

Fluoranthene-d10

Concen: 0.211 ng

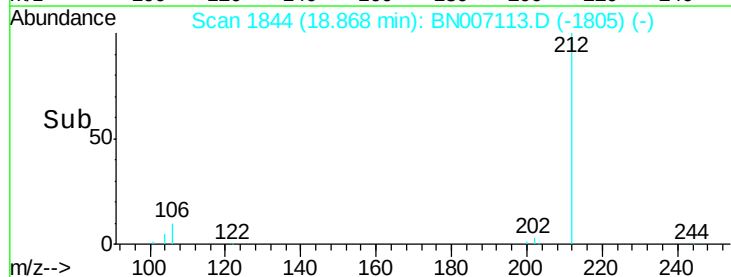
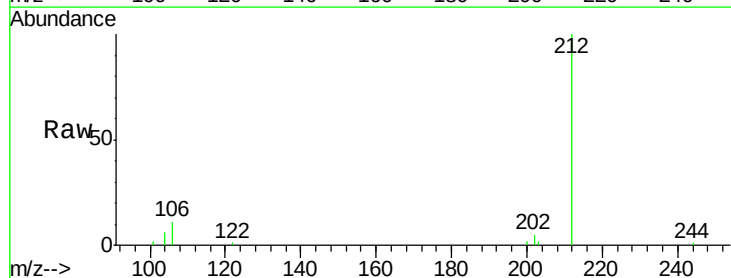
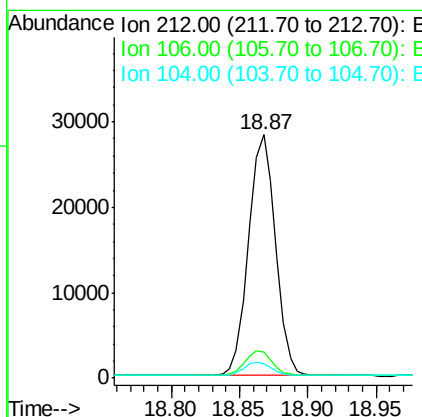
RT: 18.87 min Scan# 1844

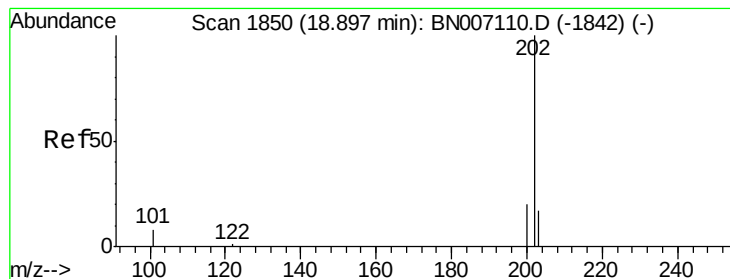
Delta R.T. -0.01 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Tgt Ion:212	Resp:	38630
Ion Ratio	Lower	Upper
212 100		
106 10.7	8.2	12.2
104 6.0	4.5	6.7





#25

Fluoranthene

Concen: 2.111 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Instrument :

BNA_N

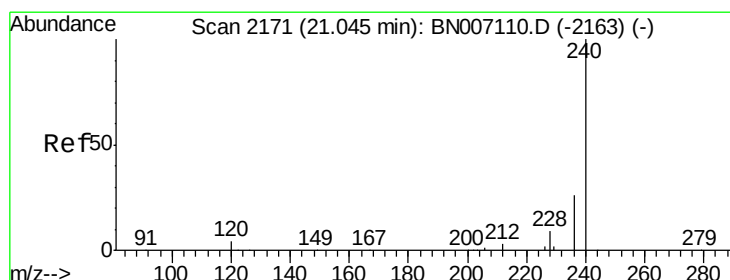
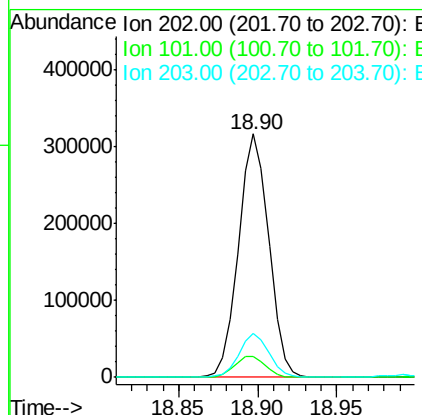
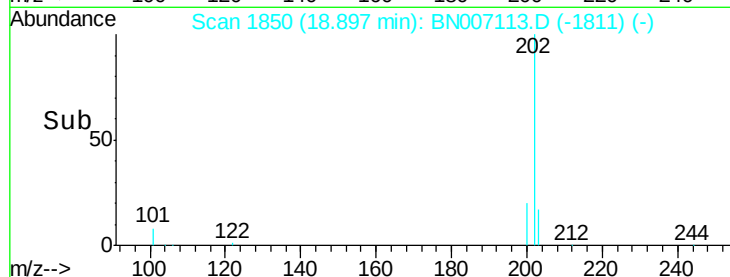
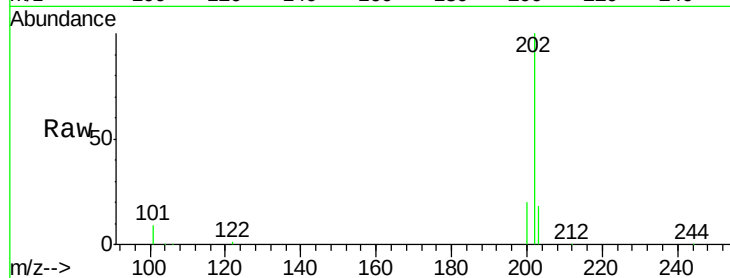
ClientSampleId :

EXT-003-SW075-073019

Tot Ion:	202	Resp:	417621
Ion Ratio	Lower	Upper	
202	100		
101	8.8	7.0	10.4
203	17.5	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

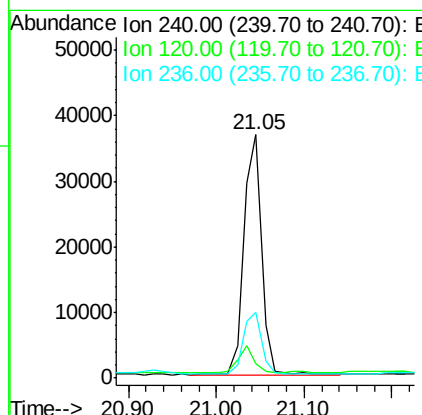
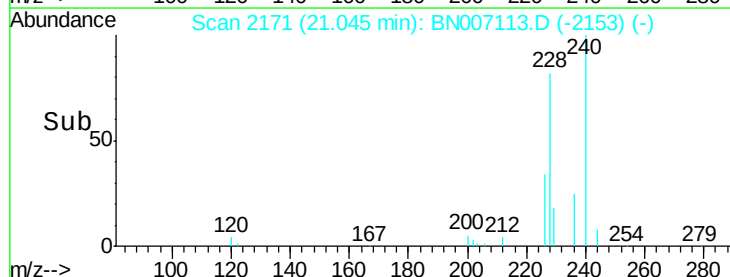
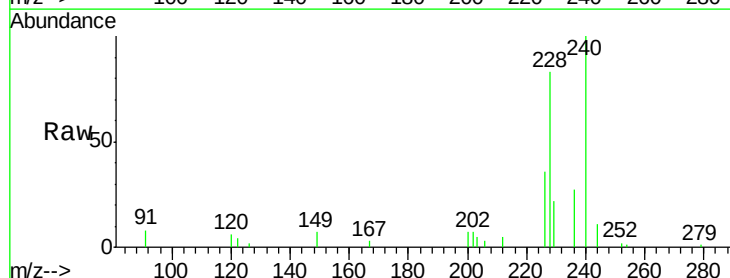
RT: 21.05 min Scan# 2171

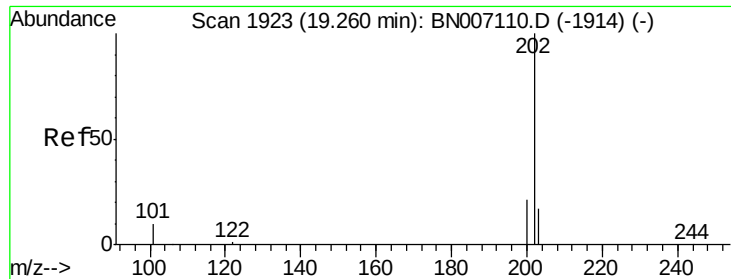
Delta R.T. -0.01 min

Lab File: BN007113.D

Acq: 13 Aug 2019 03:54

Tgt Ion:	240	Resp:	50668
Ion Ratio	Lower	Upper	
240	100		
120	6.1	4.0	6.0#
236	27.0	21.3	31.9





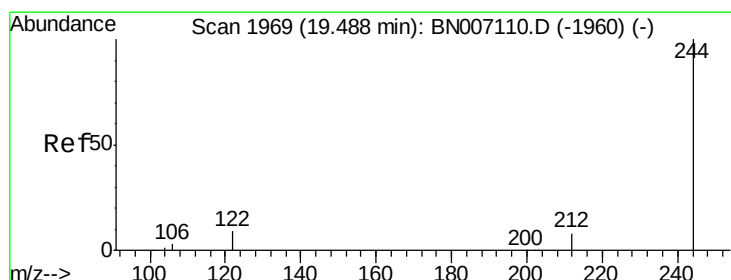
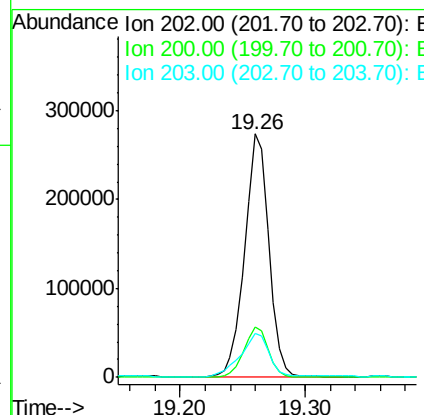
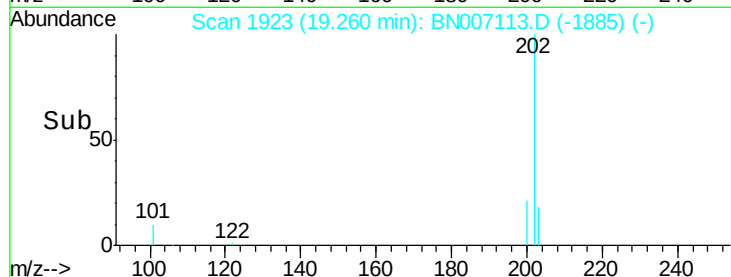
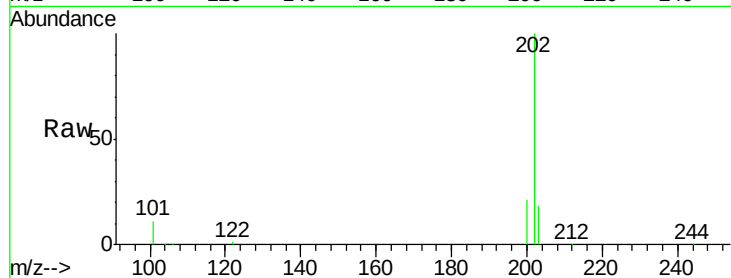
#27
Pvrene
Concen: 2.047 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.6	24.8
203	21.4	14.0	21.0

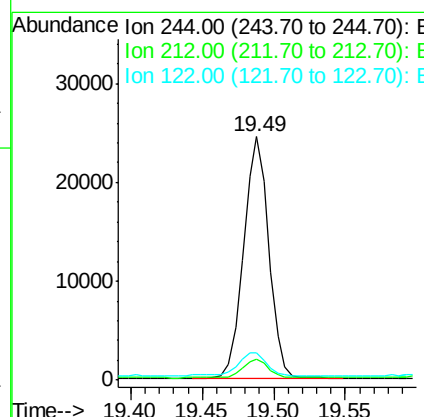
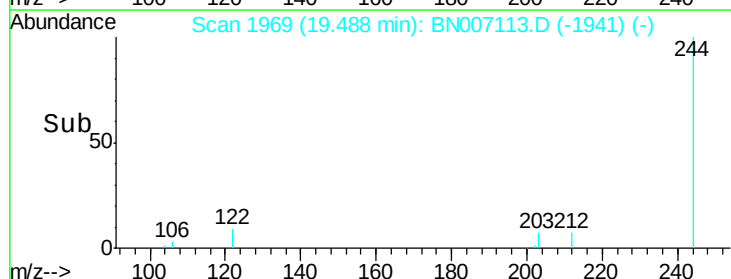
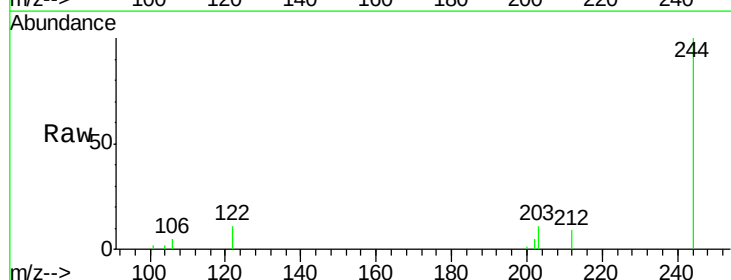
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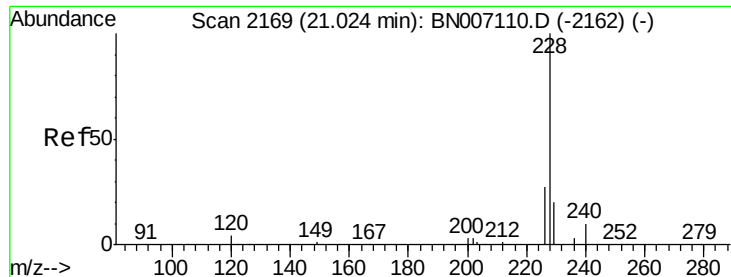
mohammad
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#28
Terphenyl-d14
Concen: 0.217 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.5	6.2	9.2
122	11.1	7.4	11.2





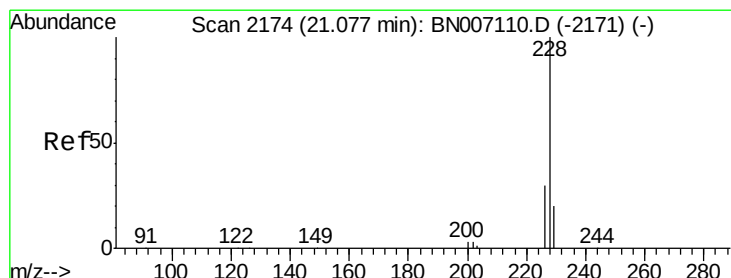
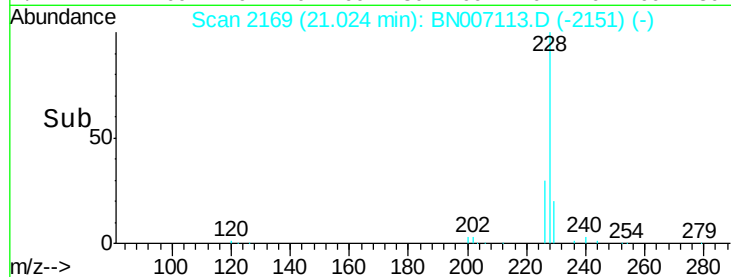
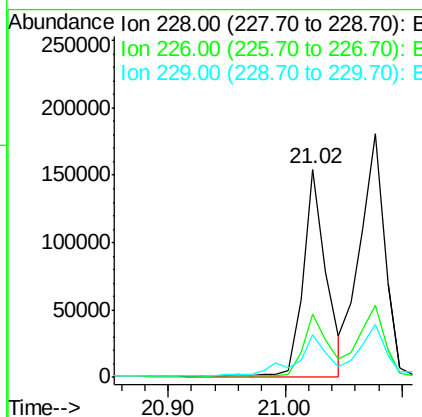
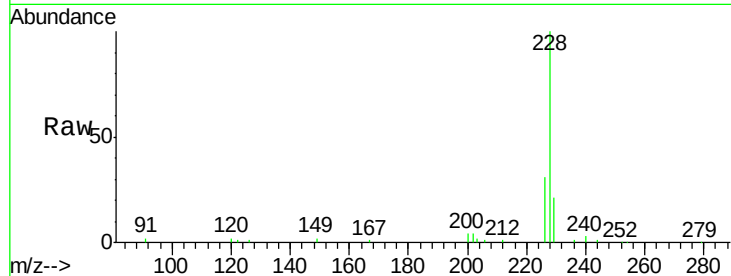
#29
Benzo(a)anthracene
Concen: 1.126 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.8	32.6
229	20.8	15.6	23.4

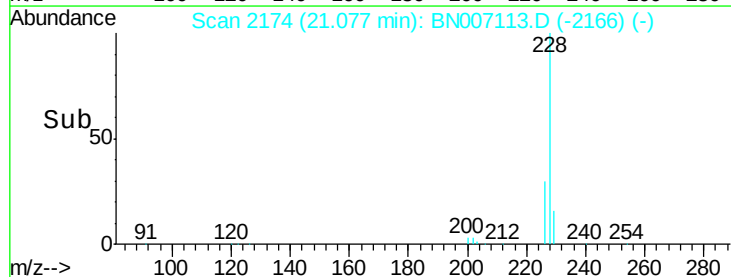
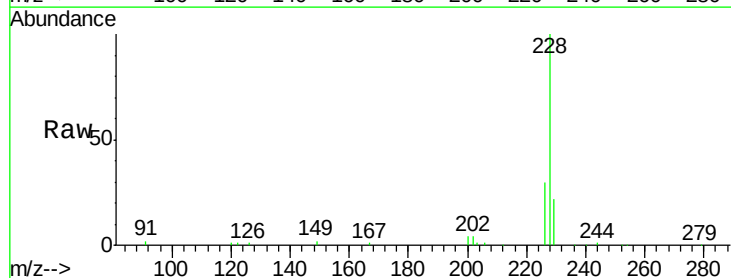
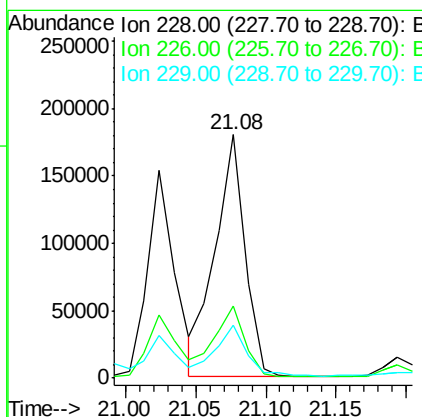
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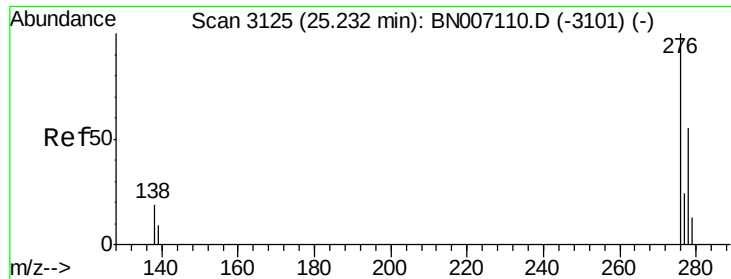
mohammad
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#30
Chrysene
Concen: 1.483 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	21.6	15.7	23.5





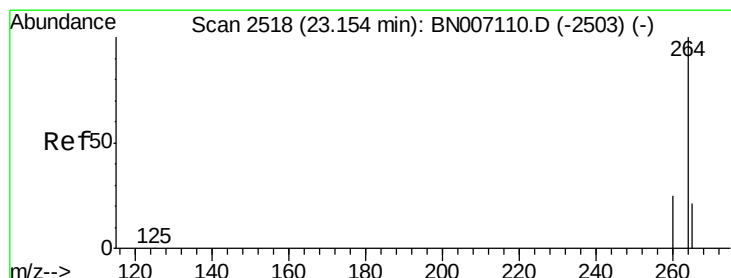
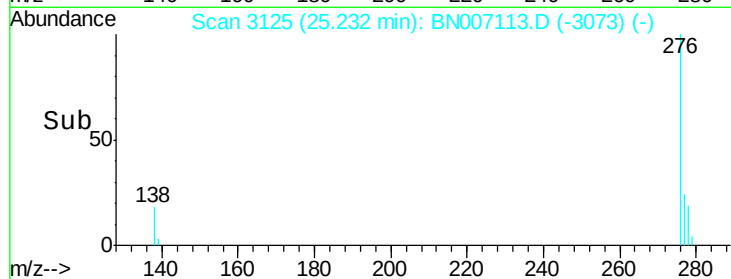
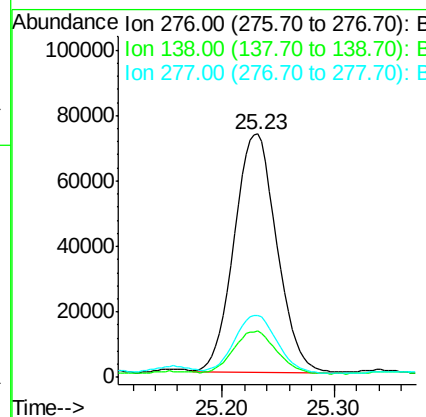
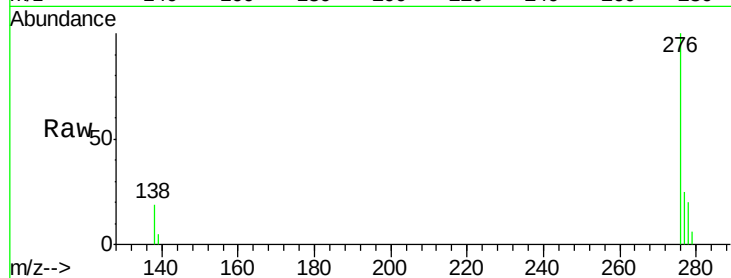
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.968 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007113.D
 Acq: 13 Aug 2019 03:54

Instrument :
 BNA_N
 ClientSampleId :
 EXT-003-SW075-073019

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.0	24.0
277	24.5	19.9	29.9

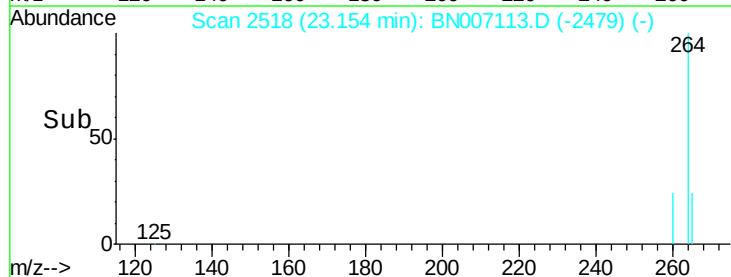
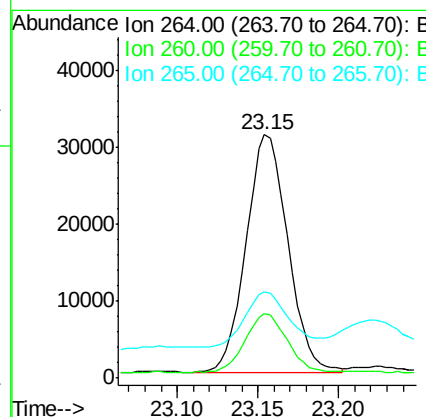
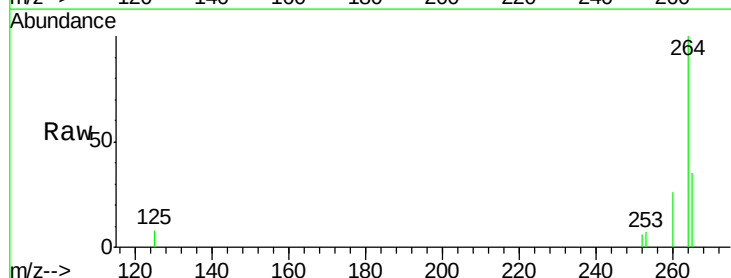
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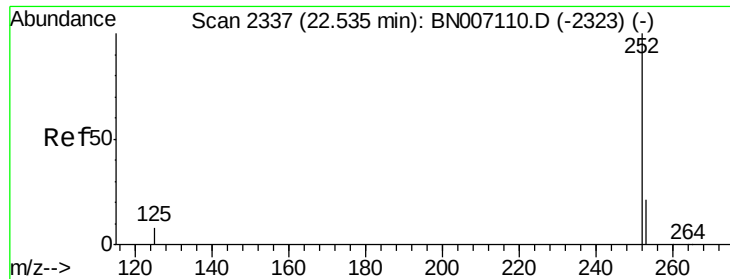
mohammad
 8/14/2019 2:52:19 AM



#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007113.D
 Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.5	19.8	29.8
265	35.2	26.2	39.4





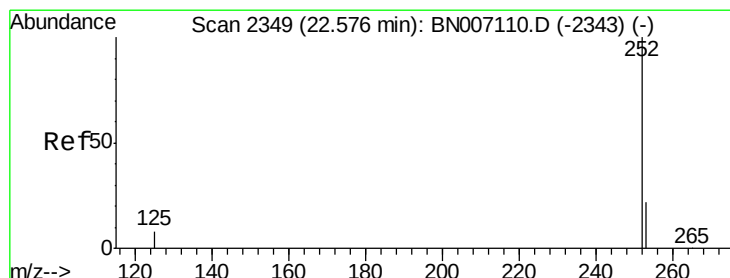
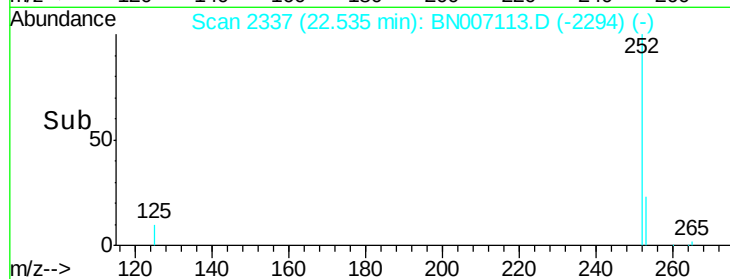
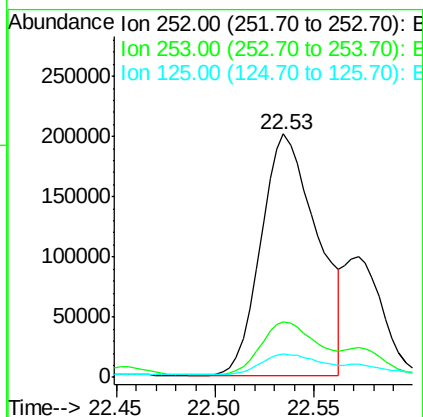
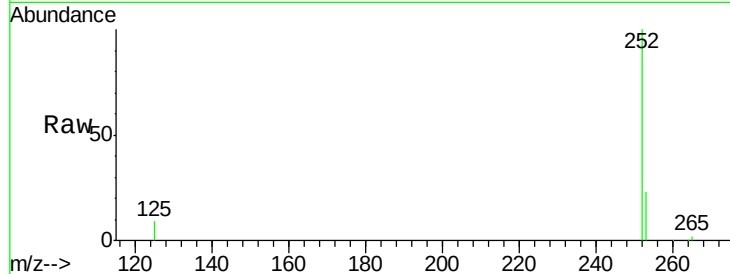
#33
Benzo(b)fluoranthene
Concen: 2.100 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion	Ratio	Resp	Lower	Upper
252	100	397853		
253	22.9	18.2	27.2	
125	9.5	7.4	11.0	

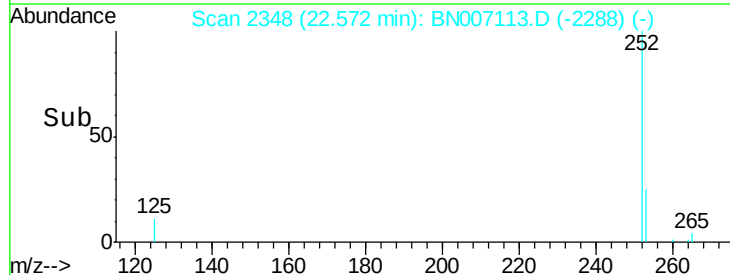
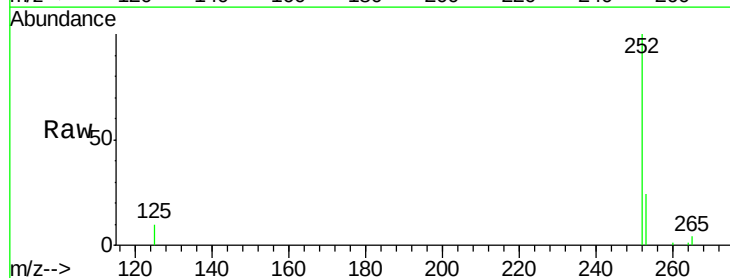
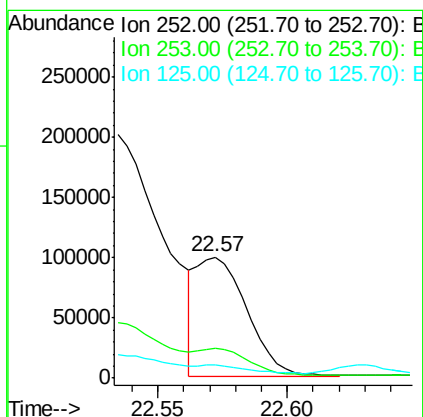
Manual Integrations
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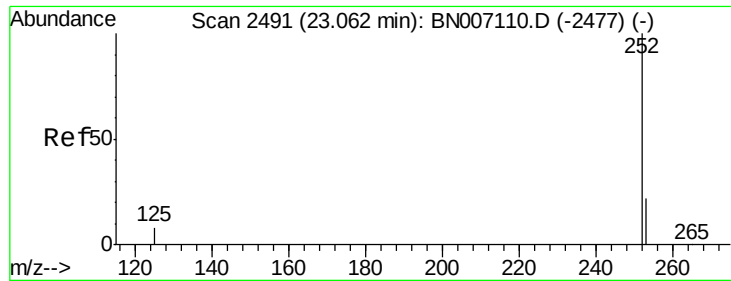
mohammad
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#34
Benzo(k)fluoranthene
Concen: 0.718 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	134363		
253	24.4	18.1	27.1	
125	10.4	7.4	11.0	





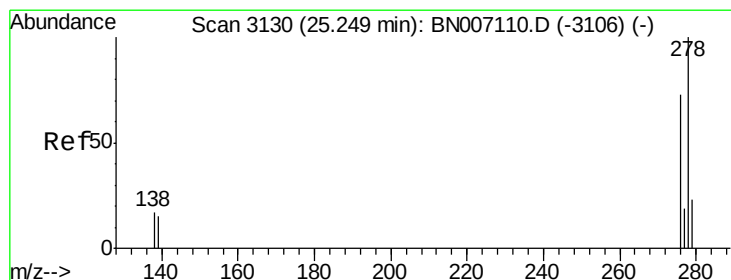
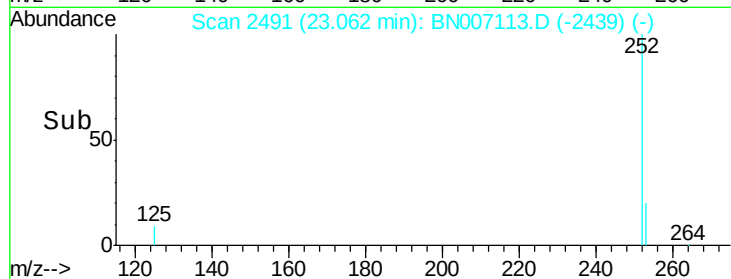
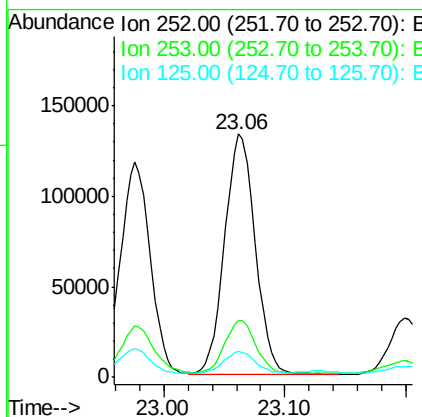
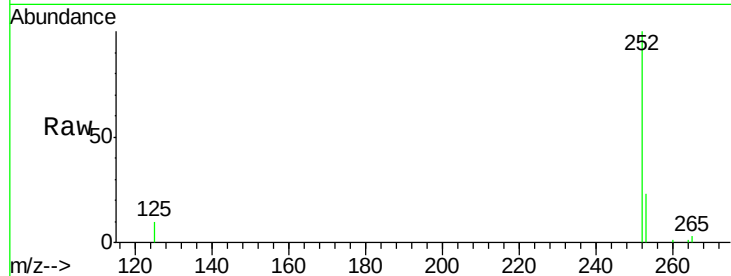
#35
Benzo(a)pyrene
Concen: 1.354 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW075-073019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	10.5	8.2	12.4

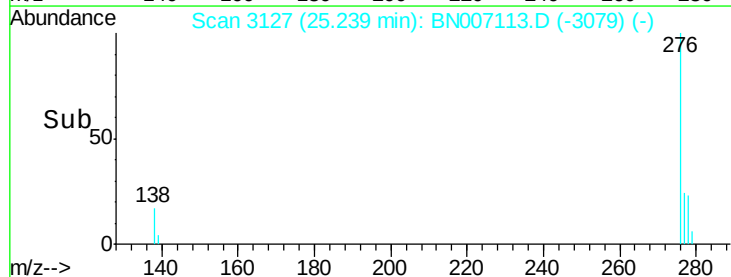
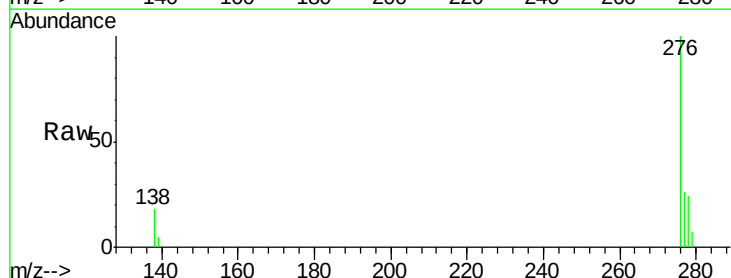
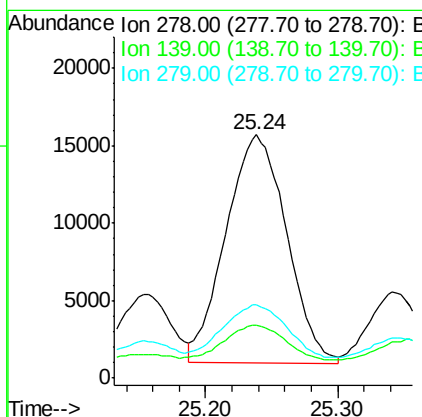
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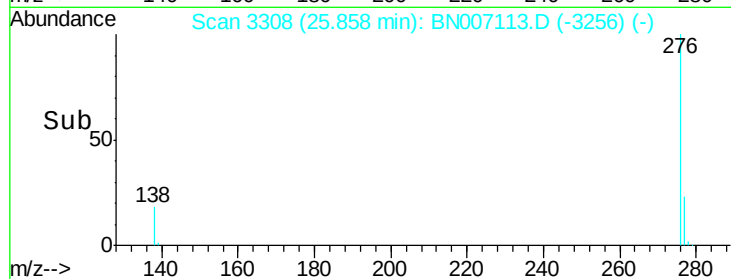
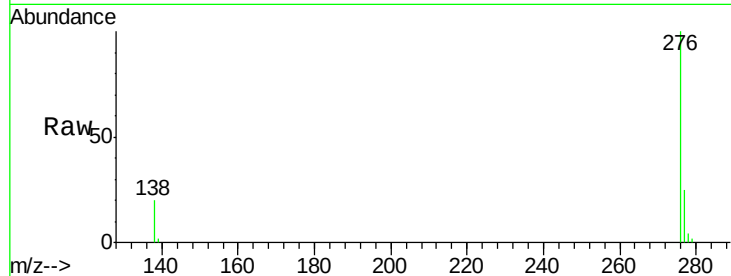
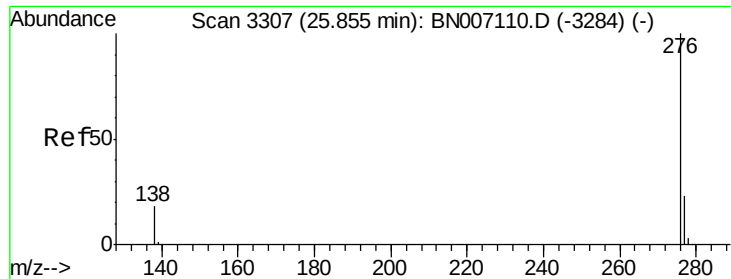
mohammad
8/14/2019 2:52:19 AM



#36
Dibenzo(a,h)anthracene
Concen: 0.275 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007113.D
Acq: 13 Aug 2019 03:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	11.3	16.9#
279	30.2	19.3	28.9#





#37
 Benzo(a,h,i)perylene
 Concen: 1.096 ng
 RT: 25.86 min Scan# 3308
 Delta R.T. -0.02 min
 Lab File: BN007113.D
 Acq: 13 Aug 2019 03:54

Instrument :
 BNA_N
 ClientSampleId :
 EXT-003-SW075-073019

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.7	14.6	22.0

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:52:19 AM

