

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007356.D
 Acq On : 24 Aug 2019 08:50
 Operator : HP/JU
 Sample : K4239-18DL 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW091-080519DL

Manual Integrations
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mohammad
 8/29/2019 8:00:12 AM

Quant Time: Aug 24 23:07:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5952	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	25195	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	14039	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	30859	0.40	ng	0.00
27) Chrysene-d12	21.02	240	30053	0.40	ng	0.00
34) Perylene-d12	23.13	264	34340	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	388	-0.01	ng	0.00
5) Phenol-d6	6.60	99	462	-0.01	ng	0.00
8) Nitrobenzene-d5	8.54	82	481	0.02	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	799	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	145	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	1019	0.02	ng	0.00
25) Fluoranthene-d10	18.84	212	1931	0.02	ng	0.00
29) Terphenyl-d14	19.46	244	1703	0.02	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.20	128	5941	0.083	ng	96
12) 2-Methylnaphthalene	11.84	142	5074	0.103	ng	99
16) Acenaphthylene	13.76	152	35461	0.427	ng	98
17) Acenaphthene	14.11	154	5242	0.108	ng	98
18) Fluorene	15.10	166	11329	0.184	ng	# 83
23) Phenanthrene	16.84	178	351682	3.789	ng	99
24) Anthracene	16.93	178	47067	0.504	ng	98
26) Fluoranthene	18.87	202	453373	3.804	ng	99
28) Pyrene	19.24	202	739974	6.121	ng	97
30) Benzo(a)anthracene	21.00	228	330090	2.797	ng	94
31) Chrysene	21.06	228	367599	3.227	ng	99
32) Bis(2-ethylhexyl)phthalate	20.97	149	3817	0.031	ng	98
33) Indeno(1,2,3-cd)pyrene	25.18	276	150641	1.098	ng	97
35) Benzo(b)fluoranthene	22.51	252	311188m	2.501	ng	
36) Benzo(k)fluoranthene	22.54	252	89378m	0.727	ng	
37) Benzo(a)pyrene	23.03	252	255055m	2.154	ng	
38) Dibenzo(a,h)anthracene	25.19	278	47861	0.405	ng	# 92
39) Benzo(a,h,i)perylene	25.82	276	182335	1.549	ng	97

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

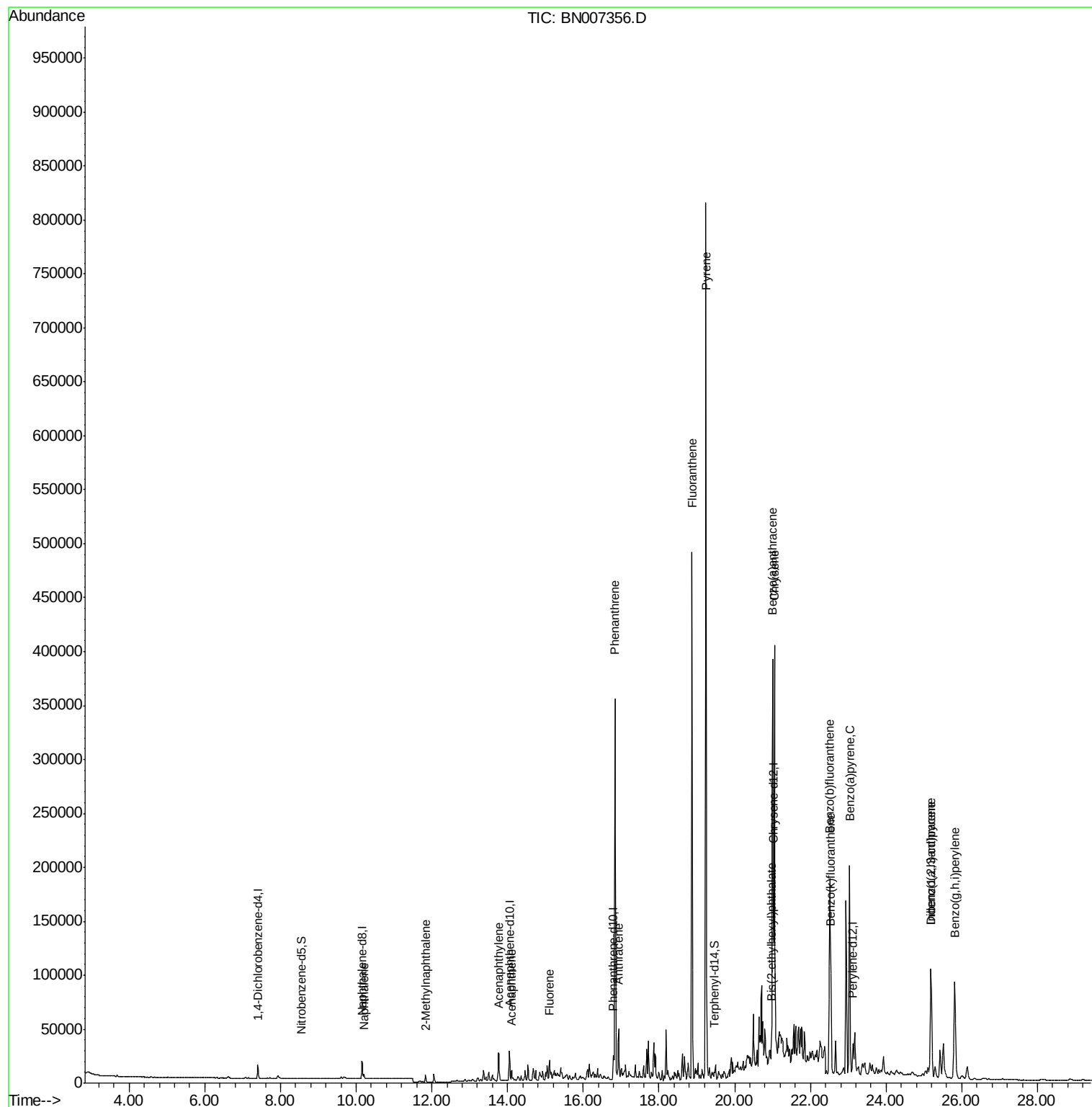
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007356.D
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ALS Vial : 24 Sample Multiplier: 1

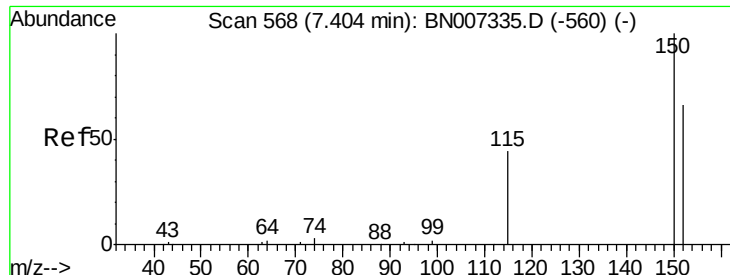
Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

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8/29/2019 8:00:12 AM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

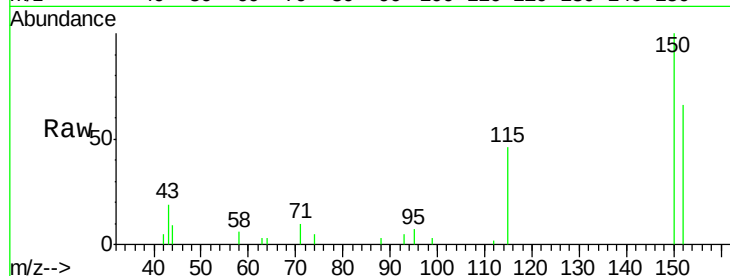
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

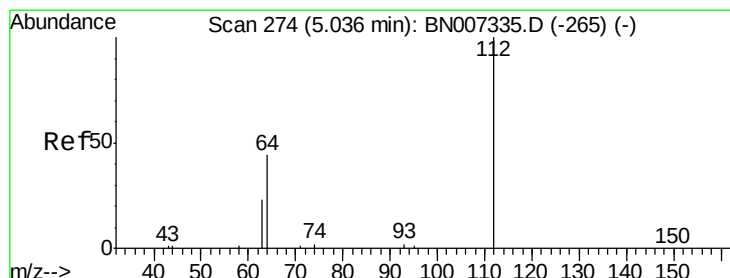
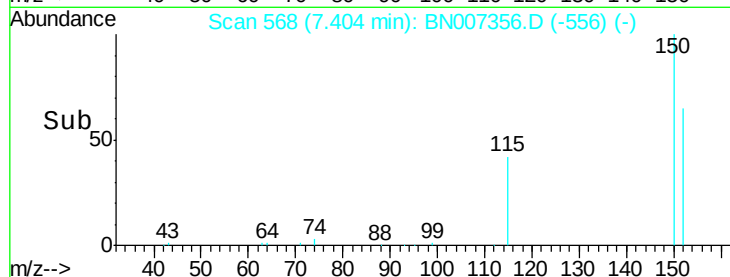
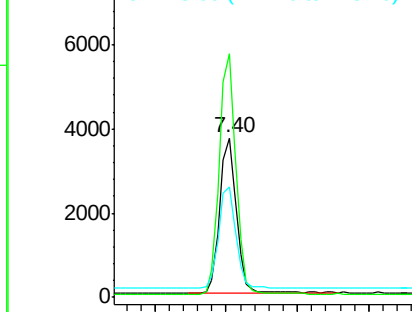
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	109.1	163.7
115	69.6	59.6	89.4

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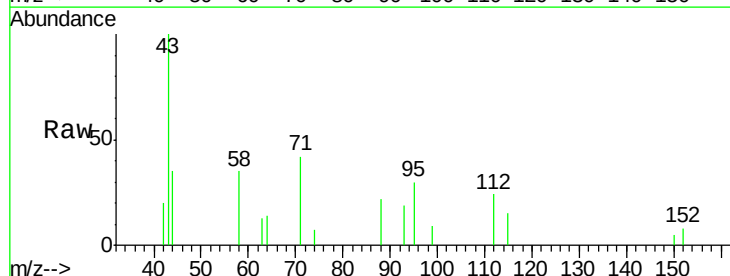
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



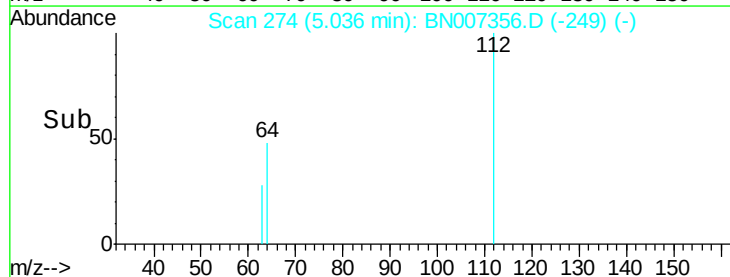
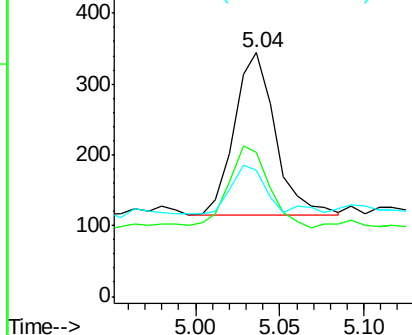
#4

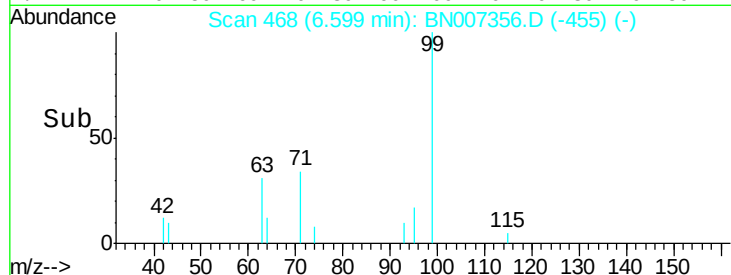
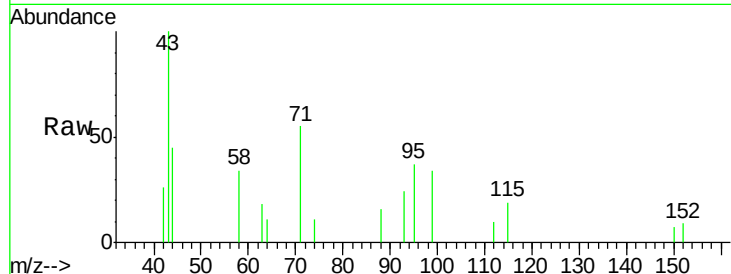
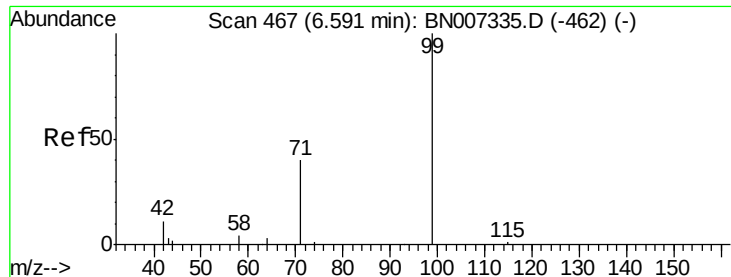
2-Fluorophenol
Concen: -0.010 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.3	63.5
63	28.6	23.6	35.4



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





#5

Phenol-d6

Concen: -0.014 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Tot Ion:	99	Resp:	462
Ion	Ratio	Lower	Upper
99	100		
42	12.6	11.2	16.8
71	51.5	31.8	47.8#

Instrument :

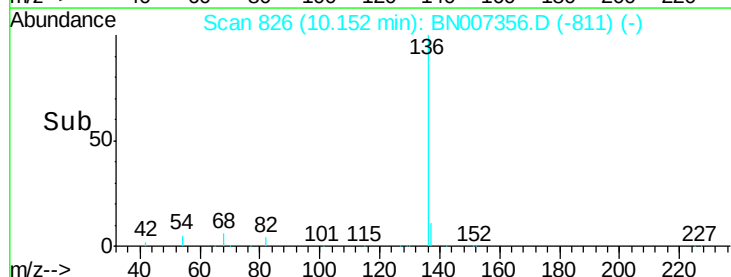
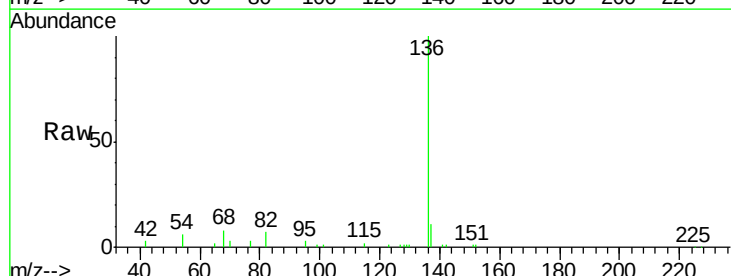
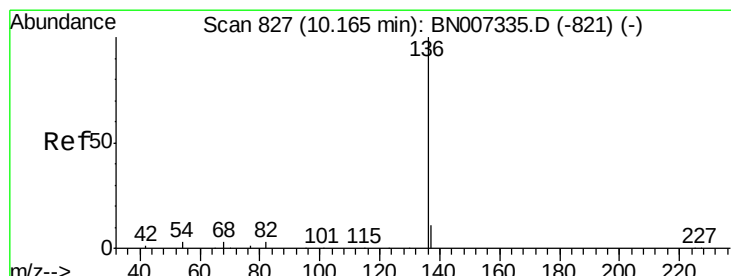
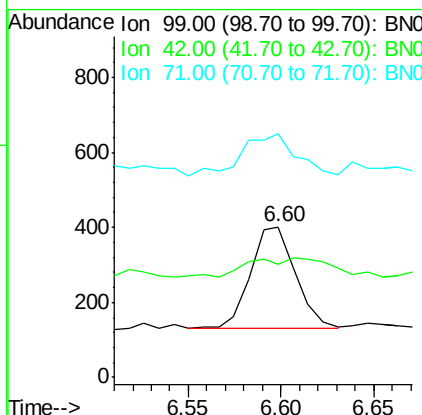
BNA_N

ClientSampleId :

EXT-034-SW091-080519DL

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#7

Naphthalene-d8

Concen: 0.400 ng

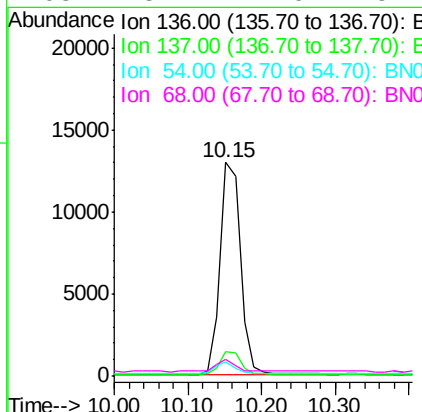
RT: 10.15 min Scan# 826

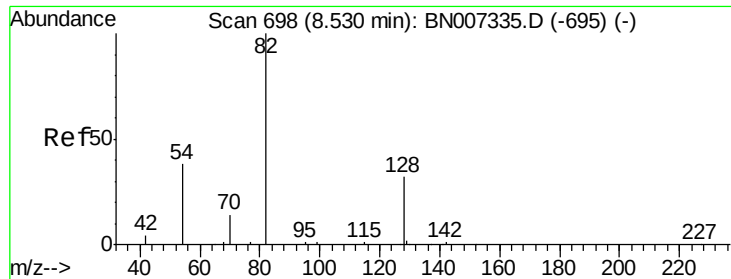
Delta R.T. -0.01 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Tgt Ion:	136	Resp:	25195
Ion	Ratio	Lower	Upper
136	100		
137	11.5	12.9	19.3#
54	6.4	8.6	12.8#
68	8.1	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.022 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Instrument :

BNA_N

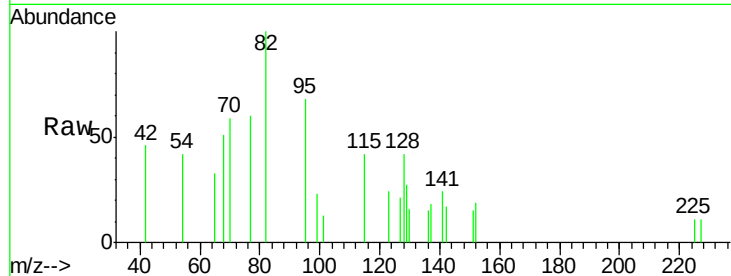
ClientSampleId :

EXT-034-SW091-080519DL

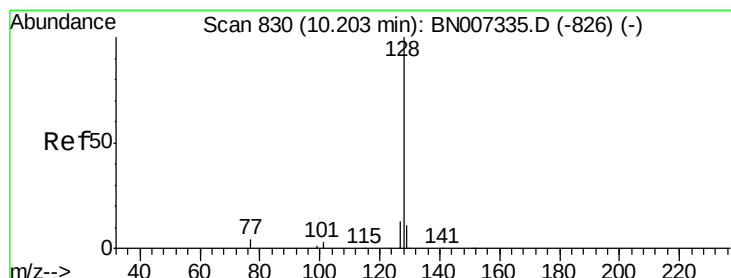
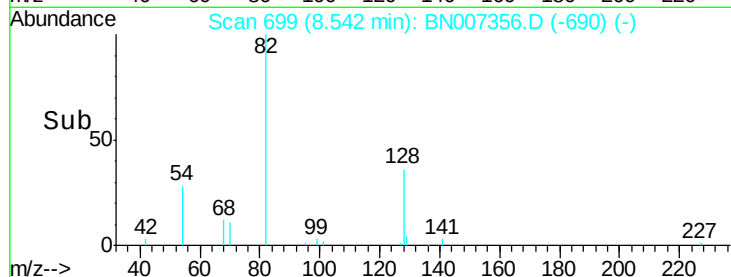
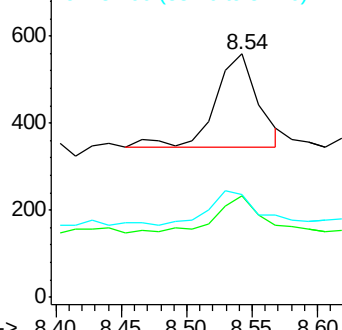
Tot Ion:	82	Resp:	481
Ion	Ratio	Lower	Upper
82	100		
128	41.7	19.7	29.5#
54	42.4	25.8	38.6#

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Abundance Ion 82.00 (81.70 to 82.70): BN007335.D (-695) (-)



#9

Naphthalene

Concen: 0.083 ng

RT: 10.20 min Scan# 830

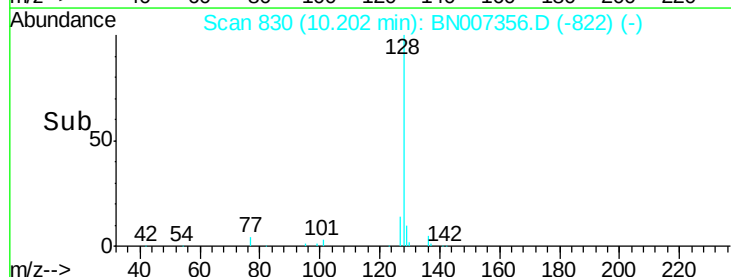
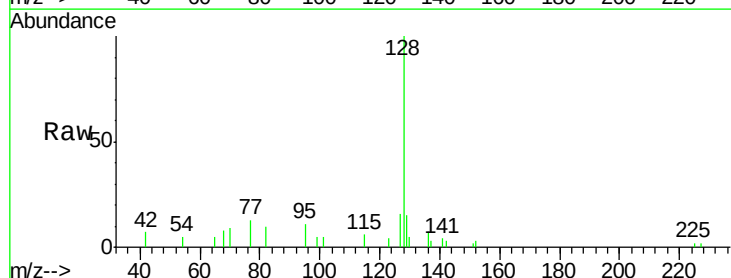
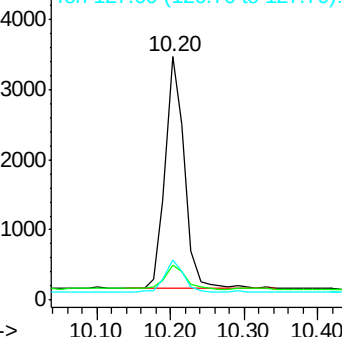
Delta R.T. -0.00 min

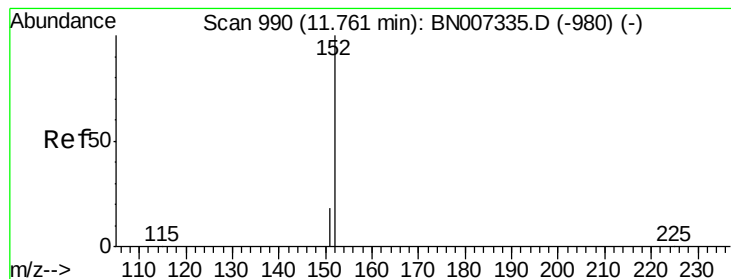
Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Tgt Ion:	128	Resp:	5941
Ion	Ratio	Lower	Upper
128	100		
129	14.6	11.1	16.7
127	16.5	15.5	23.3

Abundance Ion 128.00 (127.70 to 128.70): BN007356.D (-822) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.019 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Instrument :

BNA_N

ClientSampleId :

EXT-034-SW091-080519DL

Tot Ion:152 Resp: 799

Ion Ratio Lower Upper

152 100

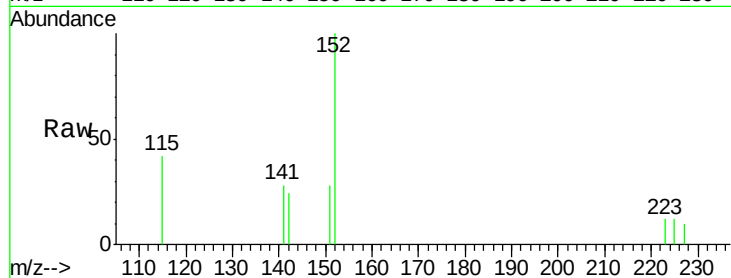
151 22.4 16.2 24.2

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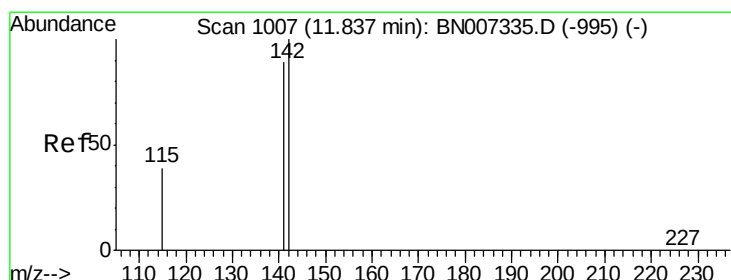
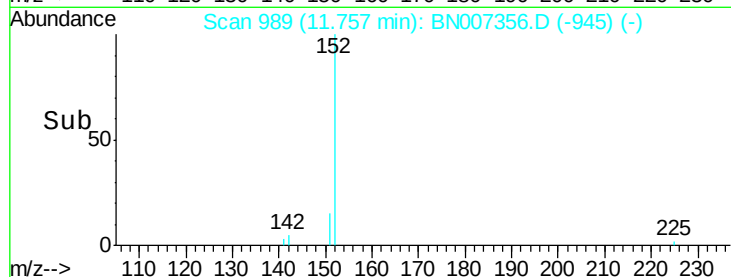
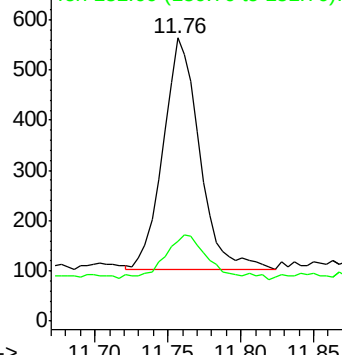
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.103 ng

RT: 11.84 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

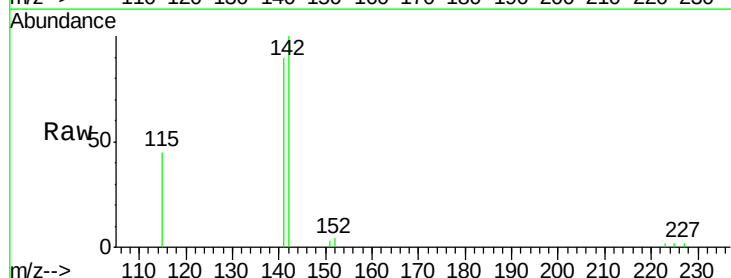
Tgt Ion:142 Resp: 5074

Ion Ratio Lower Upper

142 100

141 90.3 72.8 109.2

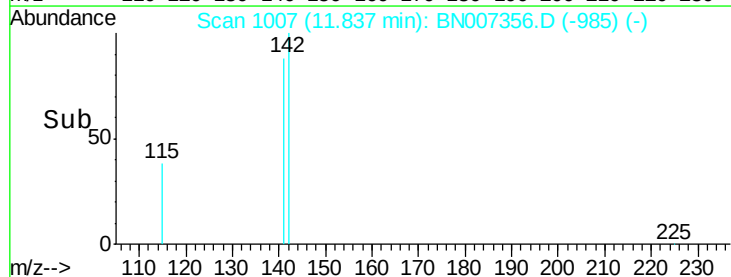
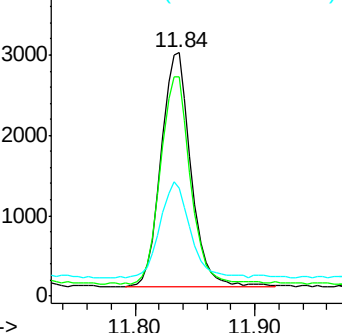
115 44.5 35.2 52.8

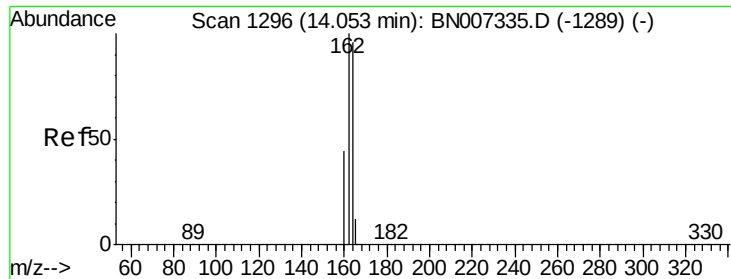


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





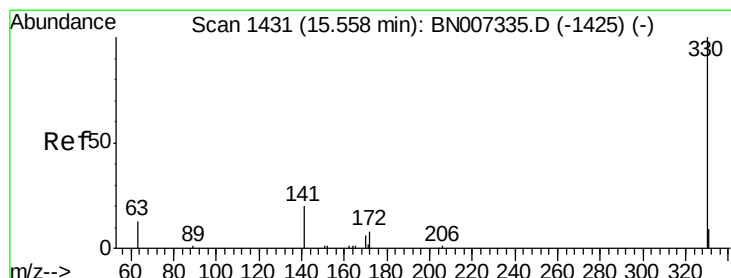
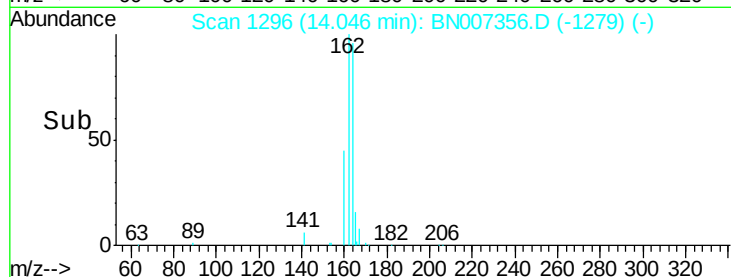
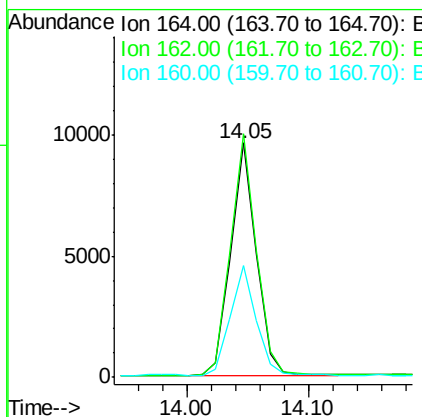
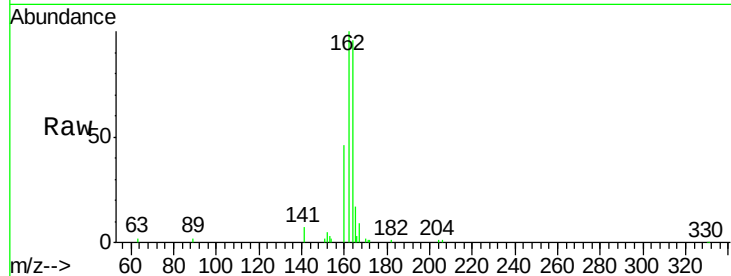
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.5	125.3
160	47.6	38.2	57.4

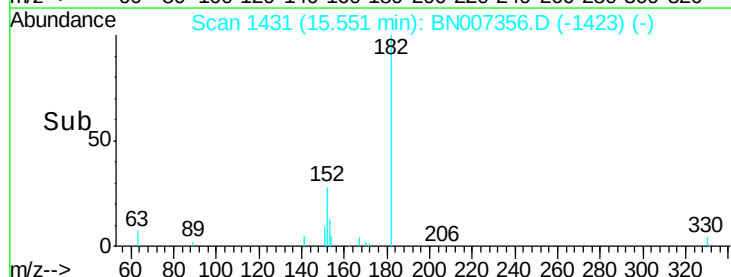
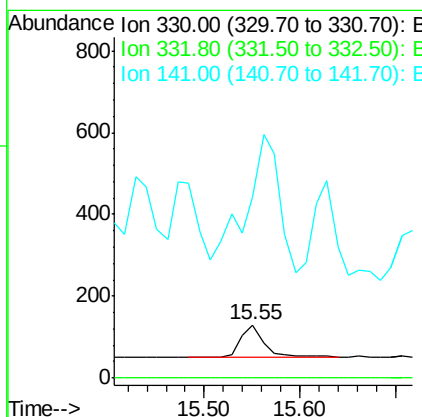
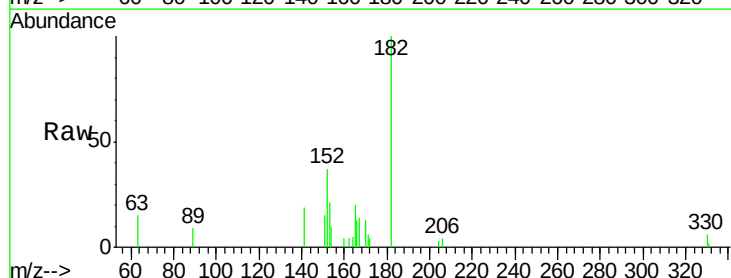
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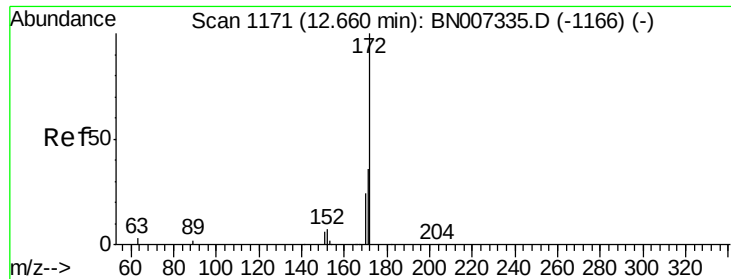
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#14
2,4,6-Tribromophenol
Concen: 0.020 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	569.0	26.9	40.3#





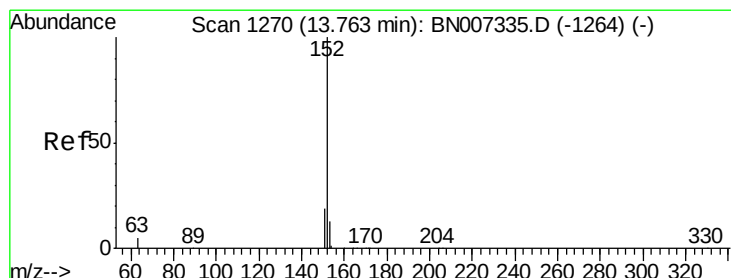
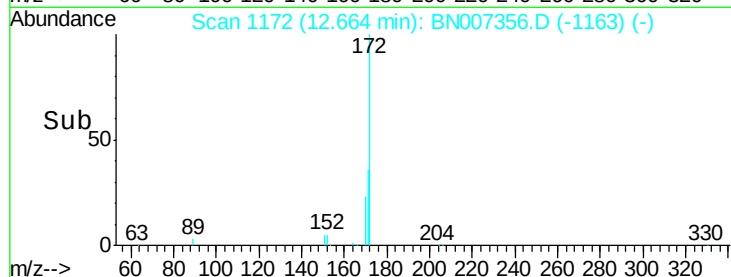
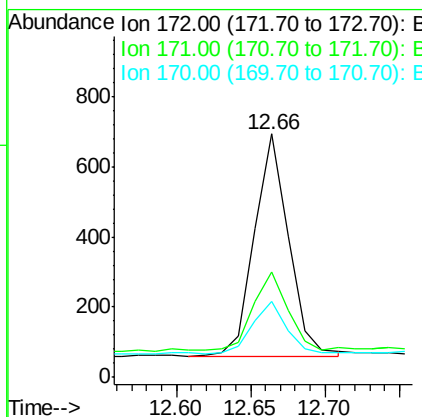
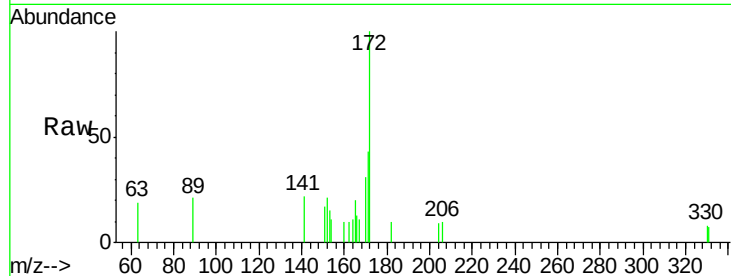
#15
2-Fluorobiphenyl
Concen: 0.018 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	43.2	30.3	45.5
170	31.1	20.7	31.1#

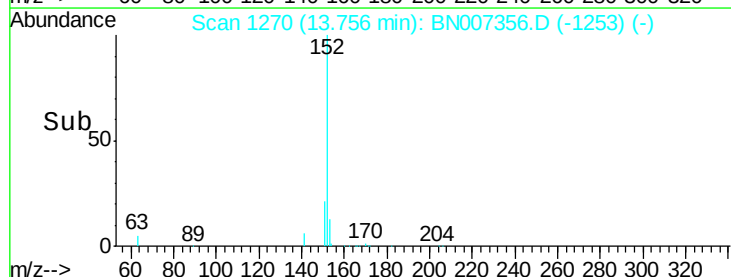
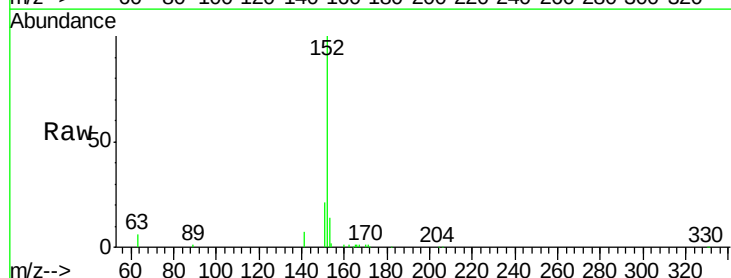
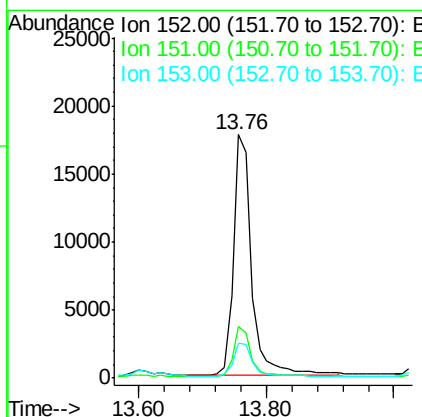
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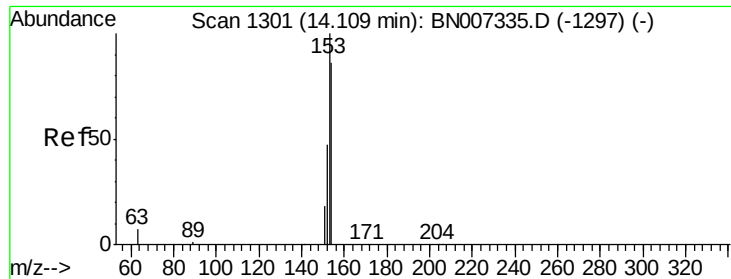
mohammad
8/29/2019 8:00:12 AM



#16
Acenaphthylene
Concen: 0.427 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	14.5	10.6	15.8





#17

Acenaphthene

Concen: 0.108 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Instrument :

BNA_N

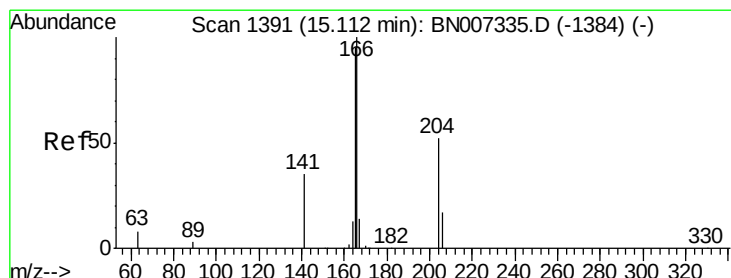
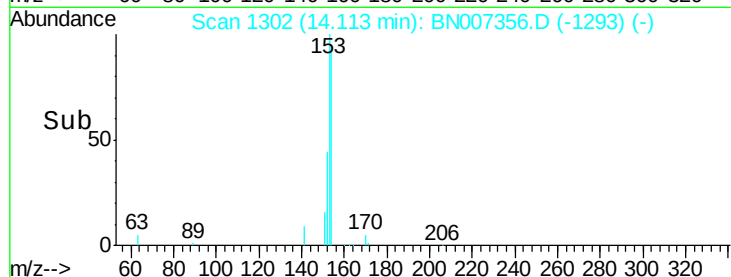
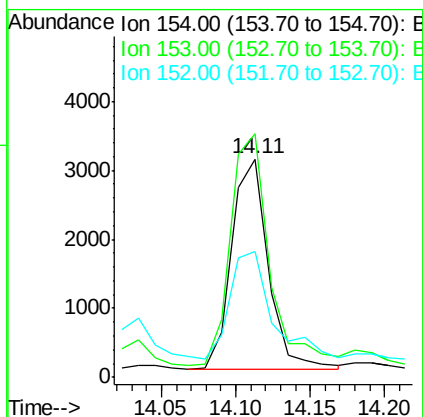
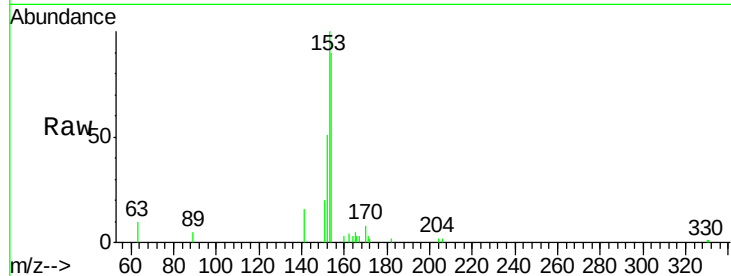
ClientSampleId :

EXT-034-SW091-080519DL

Tot Ion:	154	Resp:	5242
Ion Ratio	Lower	Upper	
154	100		
153	117.4	92.8	139.2
152	57.5	43.8	65.8

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#18

Fluorene

Concen: 0.184 ng

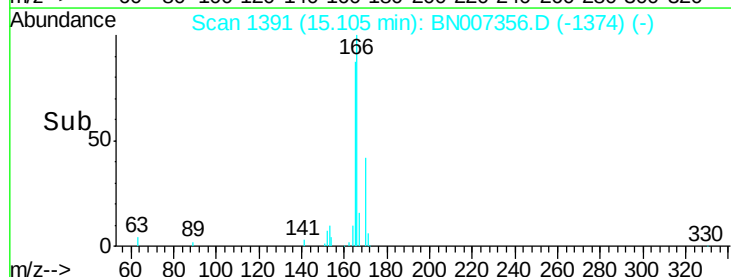
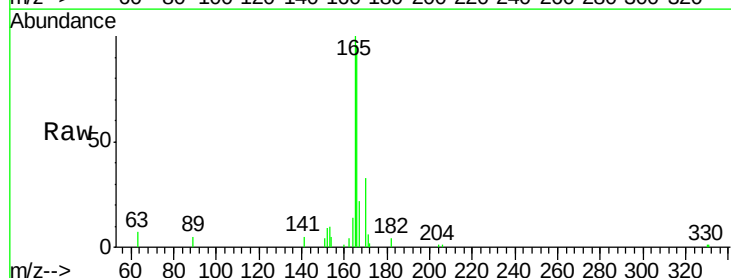
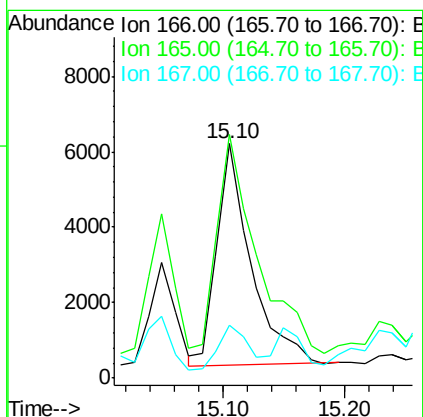
RT: 15.10 min Scan# 1391

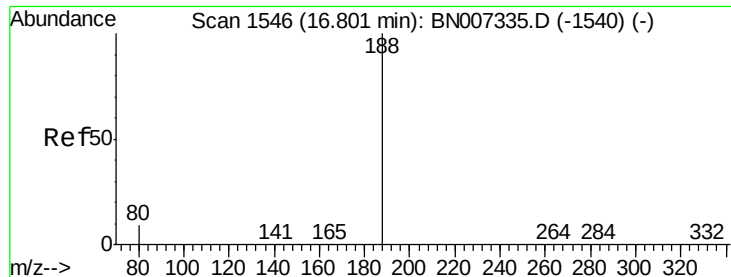
Delta R.T. -0.01 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Tgt Ion:	166	Resp:	11329
Ion Ratio	Lower	Upper	
166	100		
165	116.9	79.0	118.4
167	16.9	10.6	15.8#





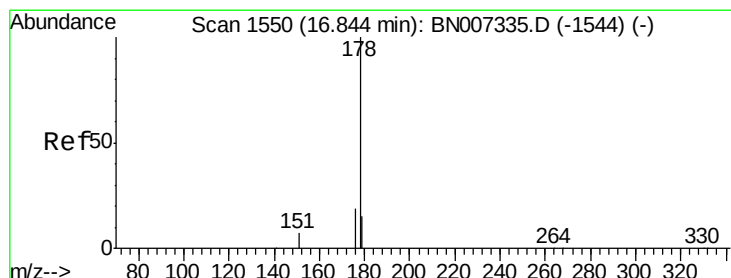
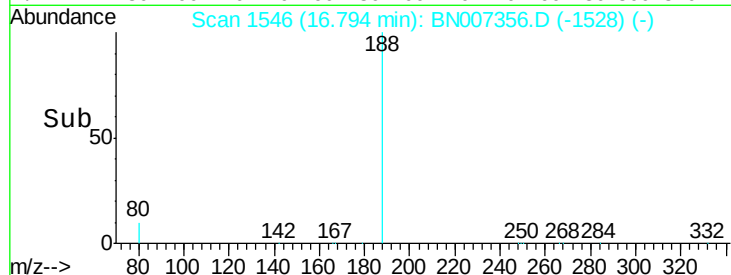
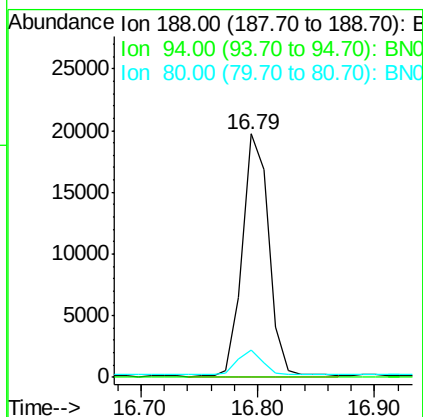
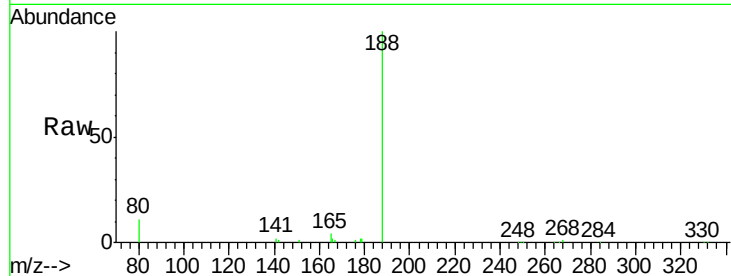
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	30859		
94	0.0	0.0	0.0	0.0
80	11.3	11.8	17.8	

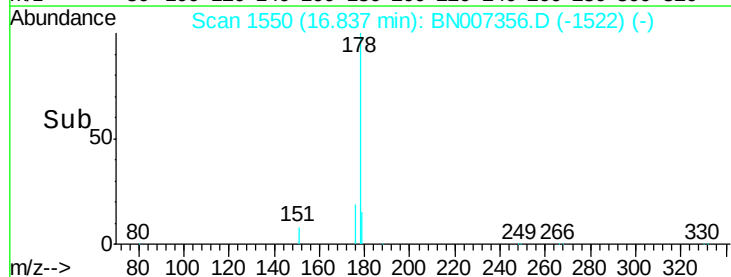
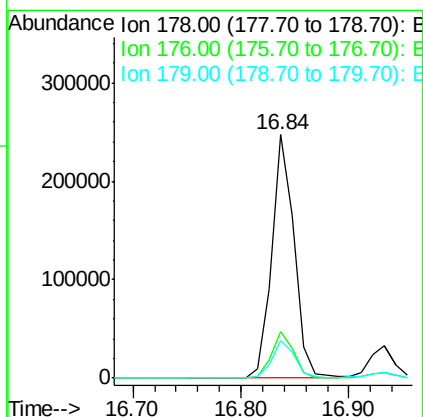
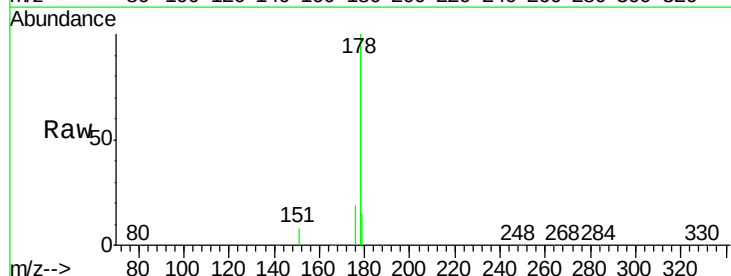
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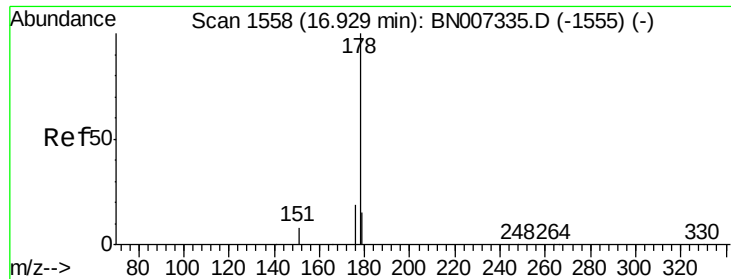
mohammad
8/29/2019 8:00:12 AM



#23
Phenanthrene
Concen: 3.789 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	351682		
176	18.9	15.3	22.9	
179	15.6	12.6	19.0	





#24

Anthracene

Concen: 0.504 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Instrument :

BNA_N

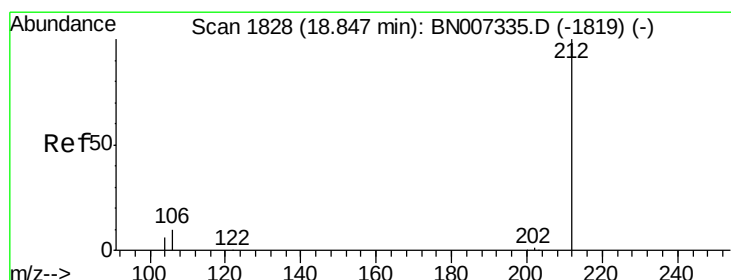
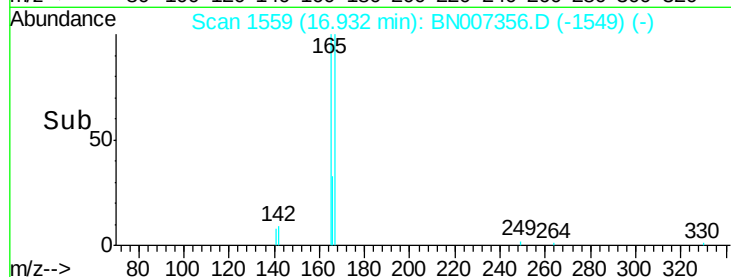
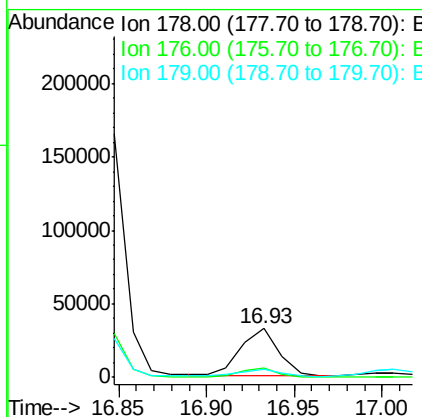
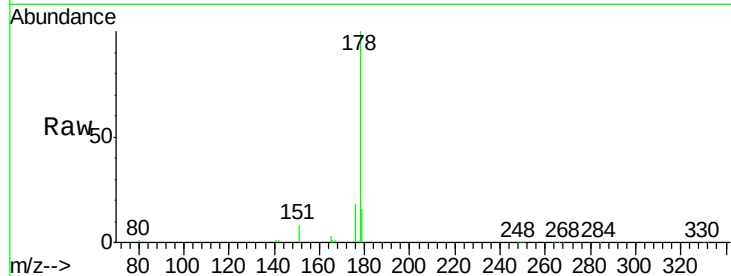
ClientSampleId :

EXT-034-SW091-080519DL

Tot Ion:178	Resp:	47067
Ion Ratio	Lower	Upper
178 100		
176 18.6	14.9	22.3
179 17.0	12.4	18.6

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.019 ng

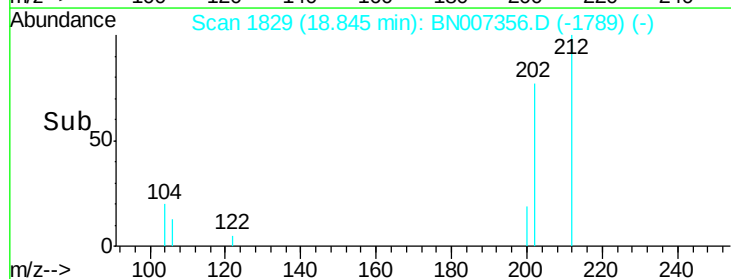
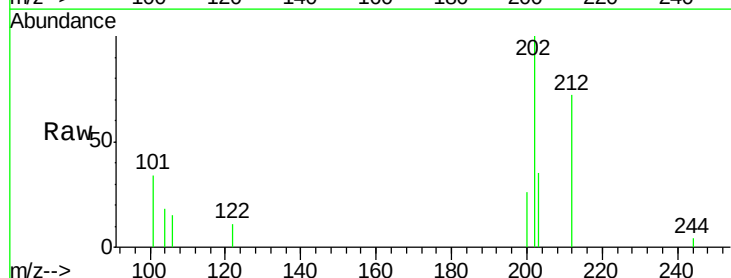
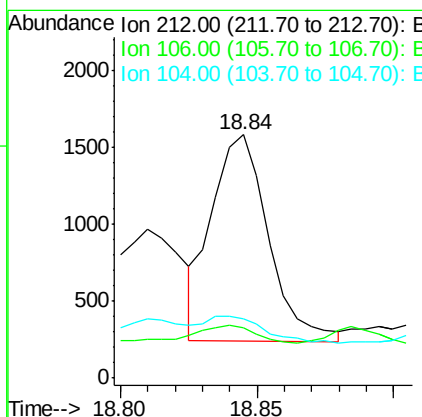
RT: 18.84 min Scan# 1829

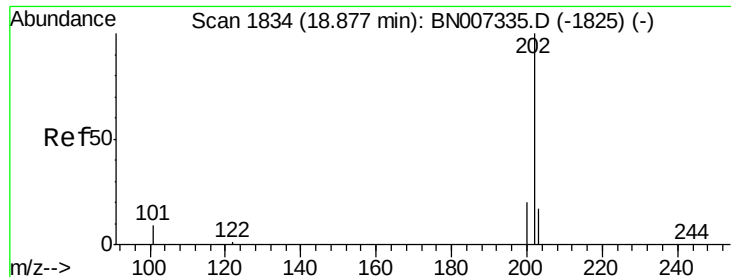
Delta R.T. -0.00 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Tgt Ion:212	Resp:	1931
Ion Ratio	Lower	Upper
212 100		
106 13.4	9.0	13.4
104 14.3	5.4	8.2#





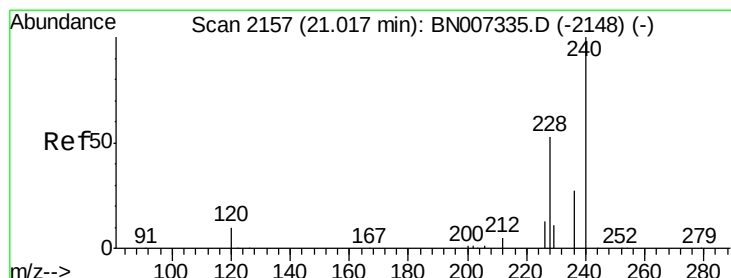
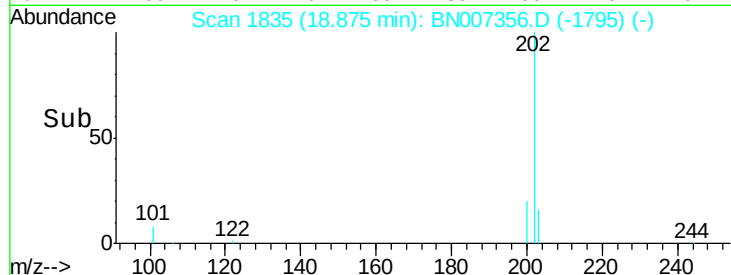
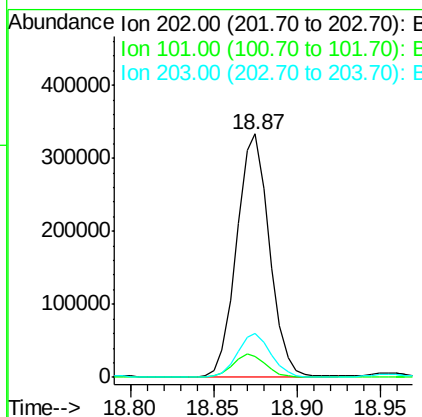
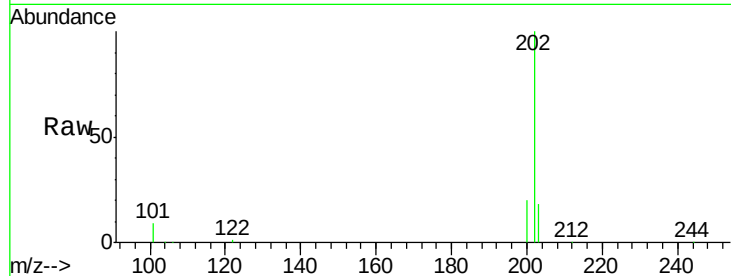
#26
Fluoranthene
Concen: 3.804 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	453373		
101	9.6		7.7	11.5
203	18.0		13.7	20.5

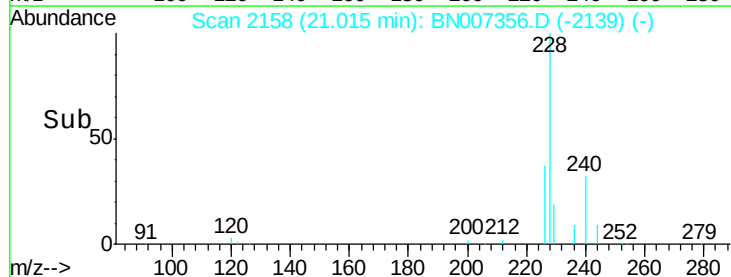
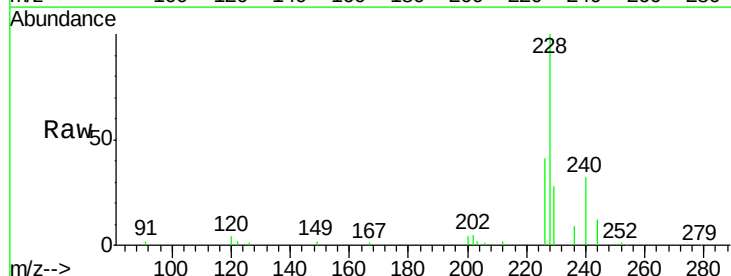
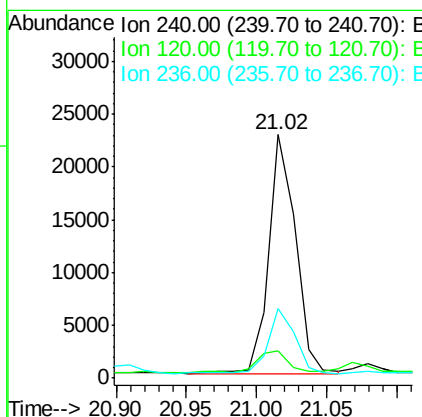
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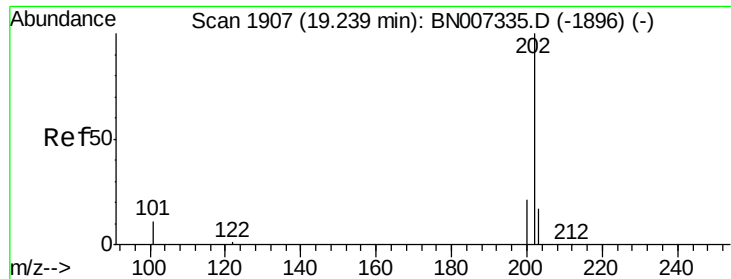
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	30053		
120	11.3		9.6	14.4
236	28.8		22.2	33.2





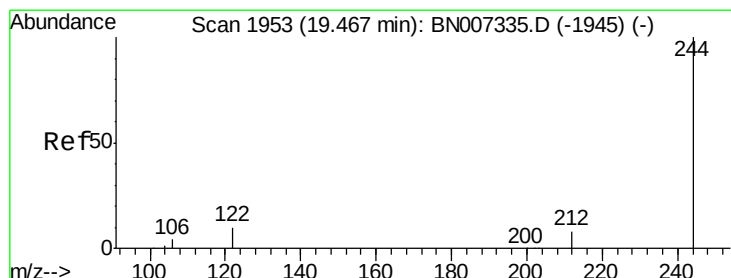
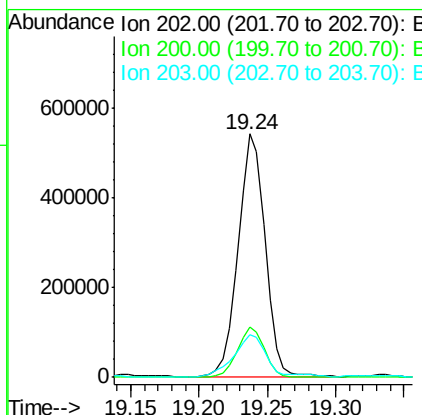
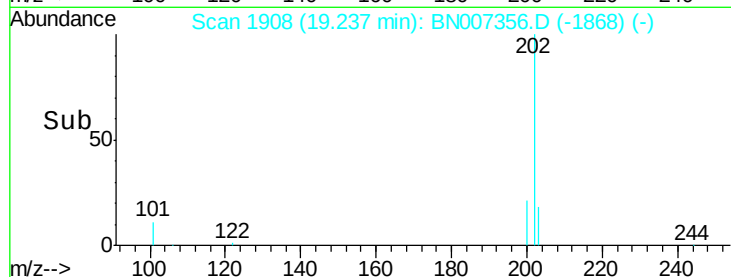
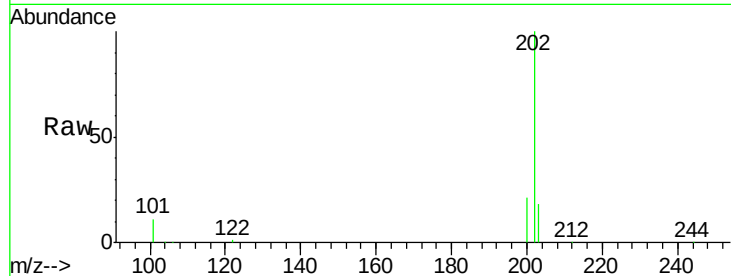
#28
Pvrene
Concen: 6.121 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	20.4	14.2	21.4

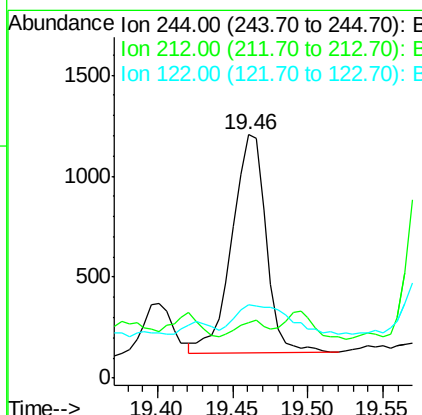
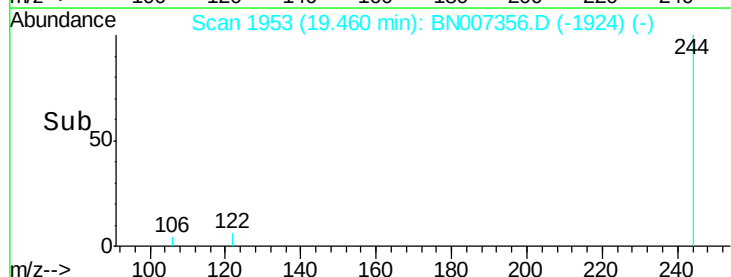
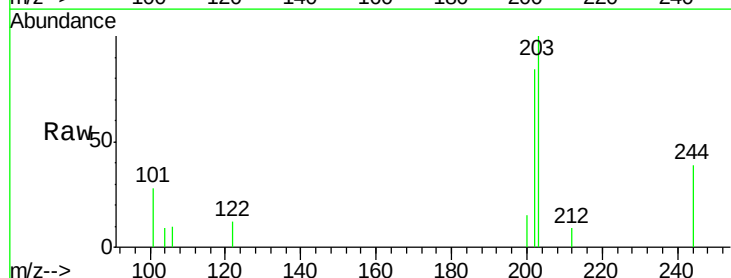
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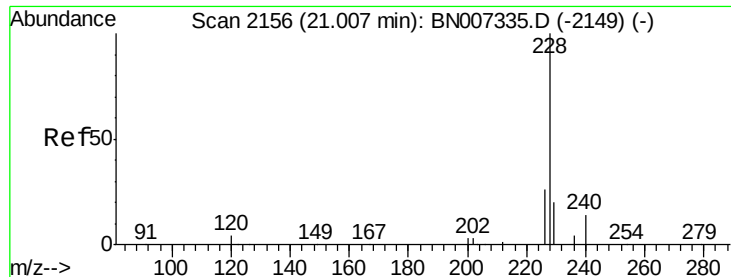
mohammad
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#29
Terphenyl-d14
Concen: 0.022 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	22.8	7.0	10.6#
122	30.0	9.6	14.4#





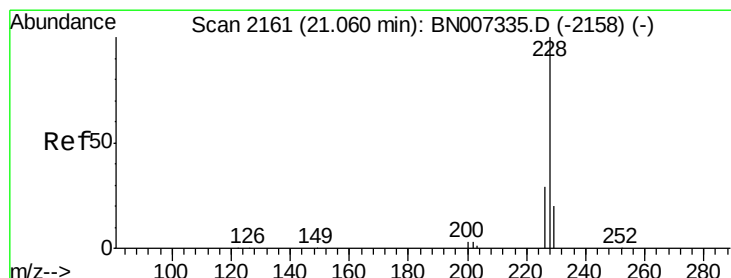
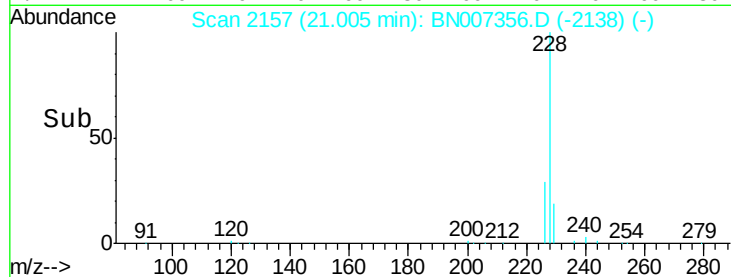
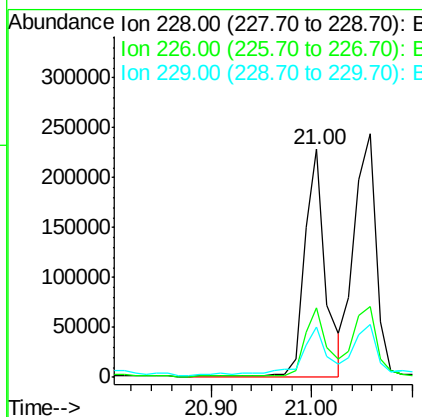
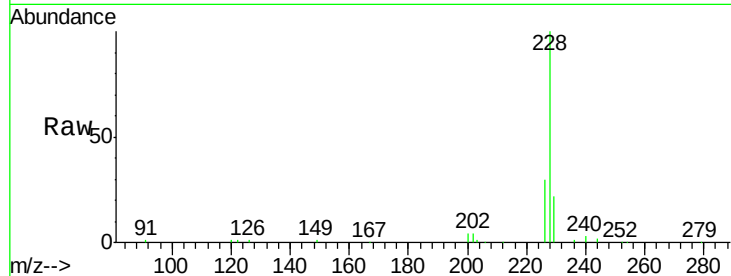
#30
Benzo(a)anthracene
Concen: 2.797 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.3	31.9
229	21.9	16.1	24.1

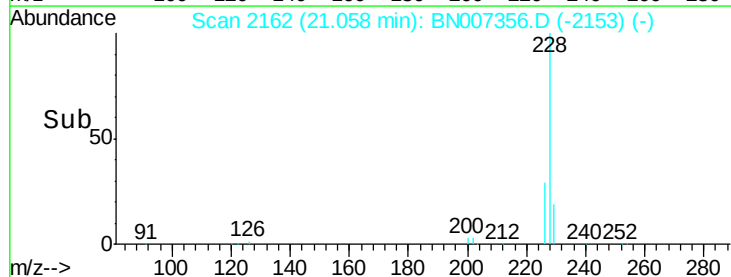
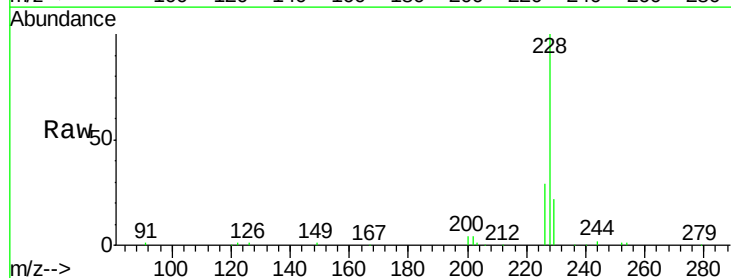
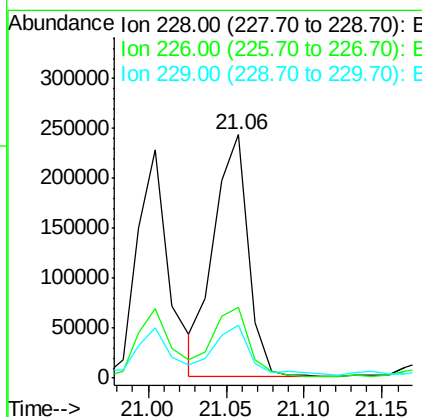
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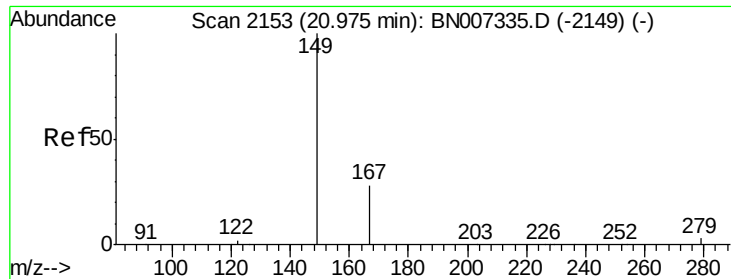
mohammad
8/29/2019 8:00:12 AM



#31
Chrysene
Concen: 3.227 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	21.6	16.6	24.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.031 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Instrument :

BNA_N

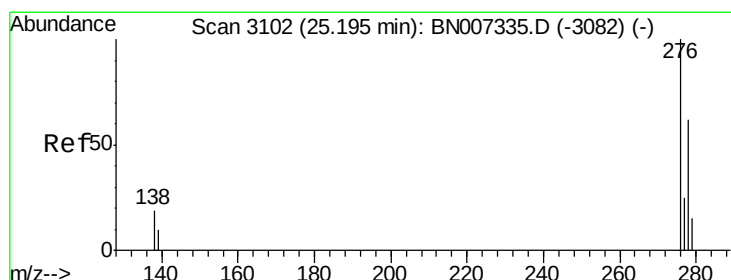
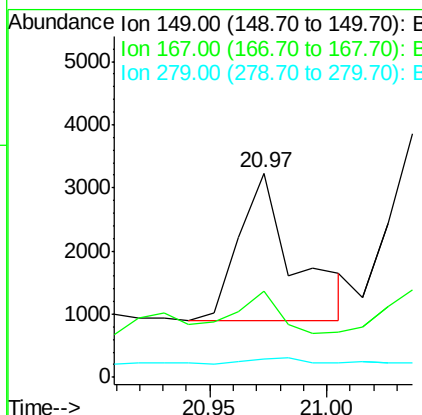
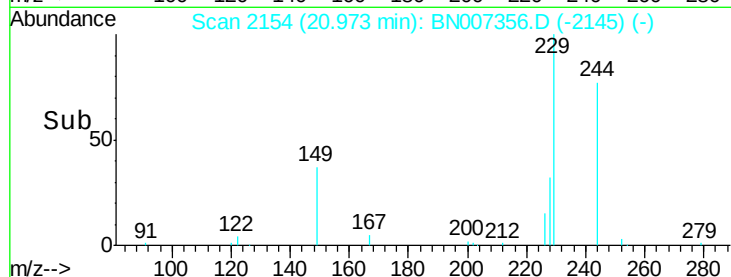
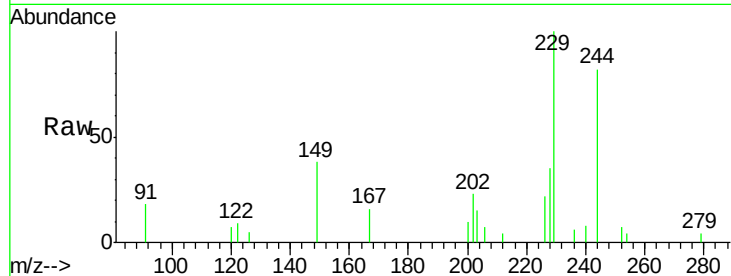
ClientSampleId :

EXT-034-SW091-080519DL

Tot Ion:	149	Resp:	3817
Ion Ratio	Lower	Upper	
149	100		
167	29.8	22.8	34.2
279	3.9	3.5	5.3

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mohammad
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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.098 ng

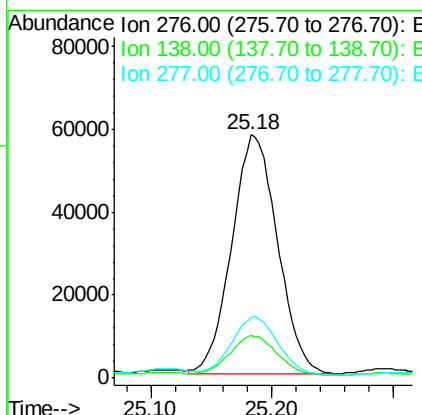
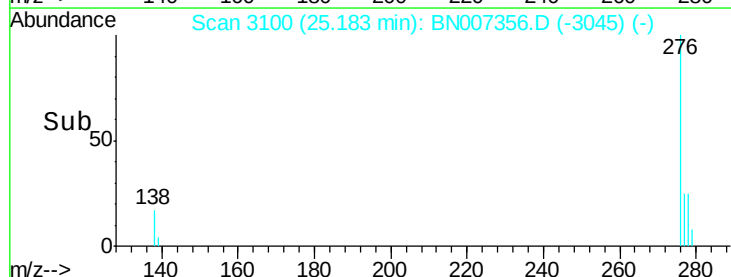
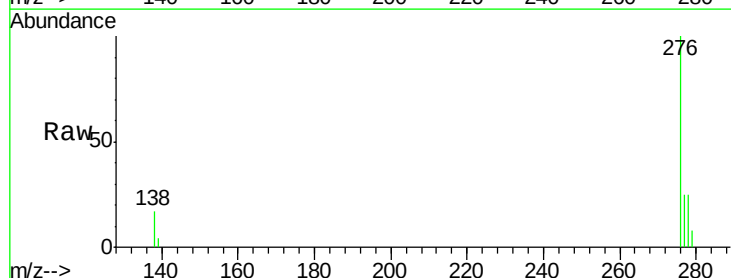
RT: 25.18 min Scan# 3100

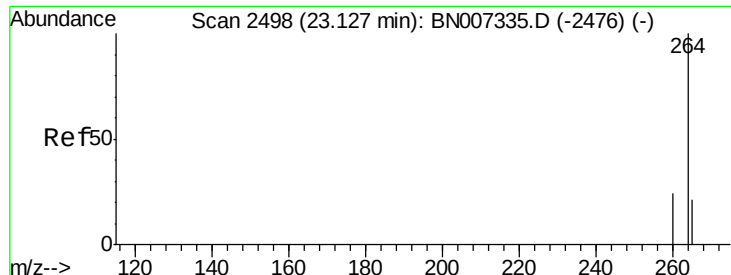
Delta R.T. -0.01 min

Lab File: BN007356.D

Acq: 24 Aug 2019 08:50

Tgt Ion:	276	Resp:	150641
Ion Ratio	Lower	Upper	
276	100		
138	17.1	15.1	22.7
277	25.7	19.7	29.5





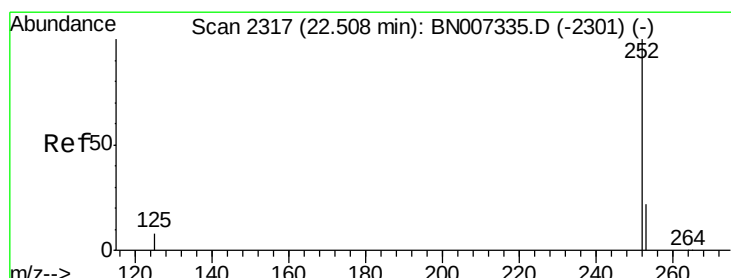
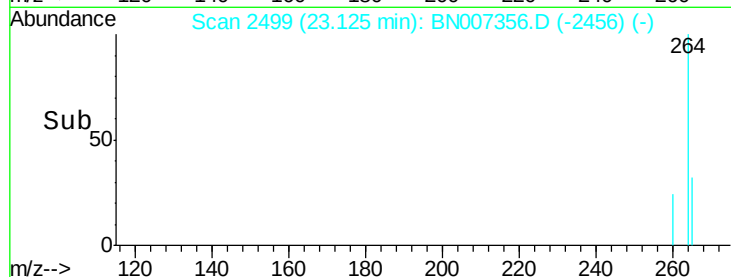
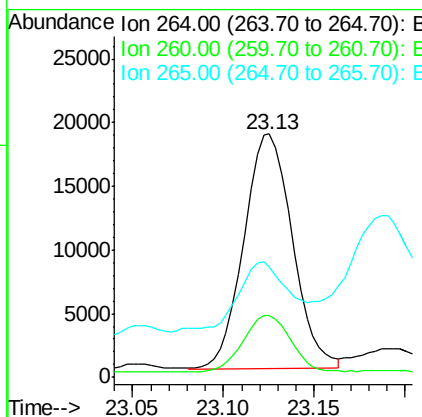
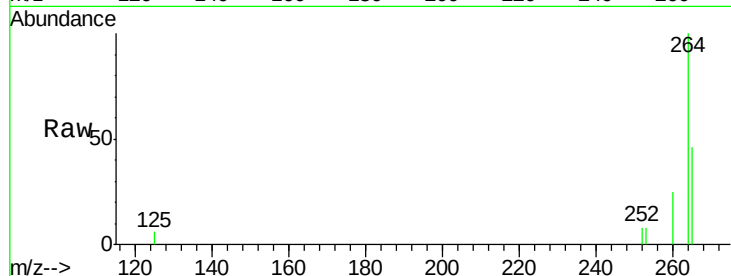
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BN007356.D
 Acq: 24 Aug 2019 08:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW091-080519DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.7	29.5
265	45.6	29.9	44.9

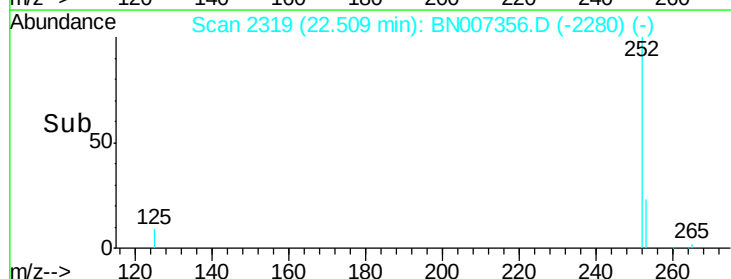
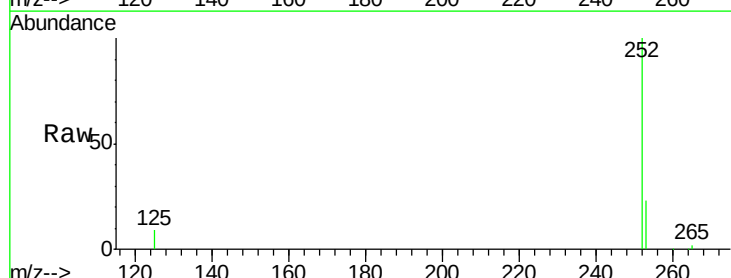
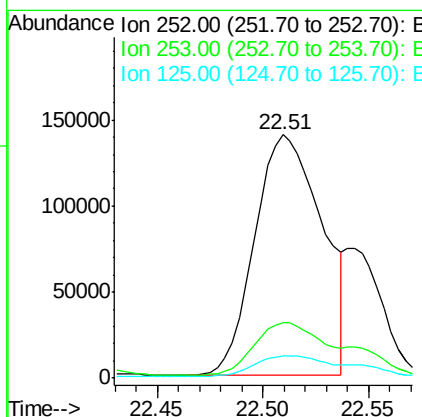
Manual Integrations
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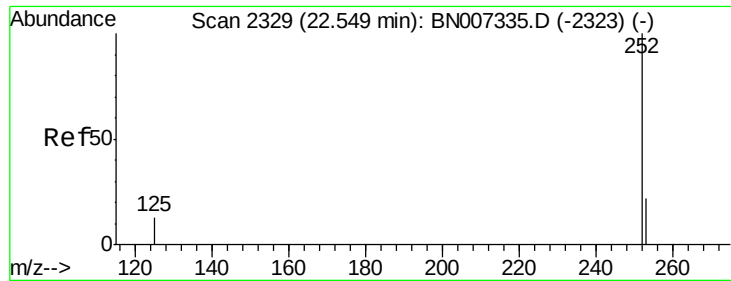
mohammad
 8/29/2019 8:00:12 AM



#35
 Benzo(b)fluoranthene
 Concen: 2.501 ng m
 RT: 22.51 min Scan# 2319
 Delta R.T. 0.00 min
 Lab File: BN007356.D
 Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	9.0	10.6	16.0





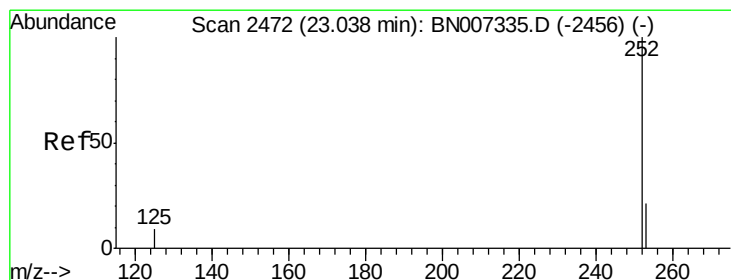
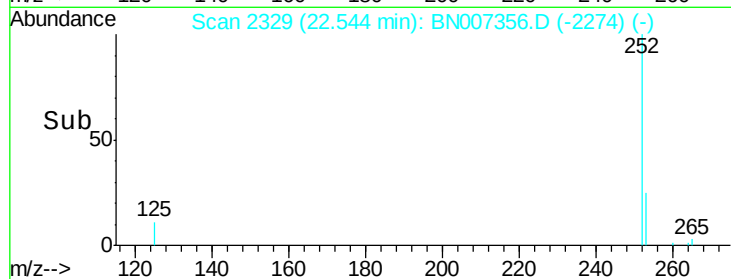
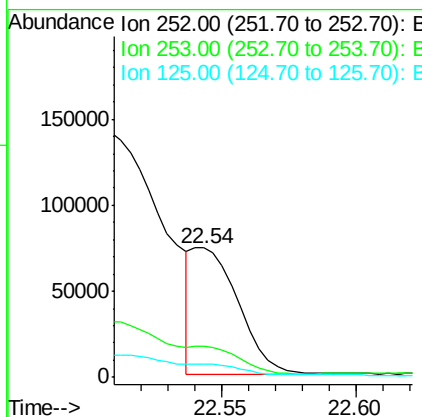
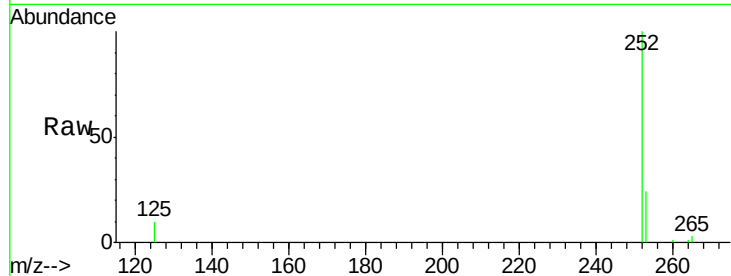
#36
Benzo(k)fluoranthene
Concen: 0.727 ng m
RT: 22.54 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.4	29.2
125	10.3	13.1	19.7

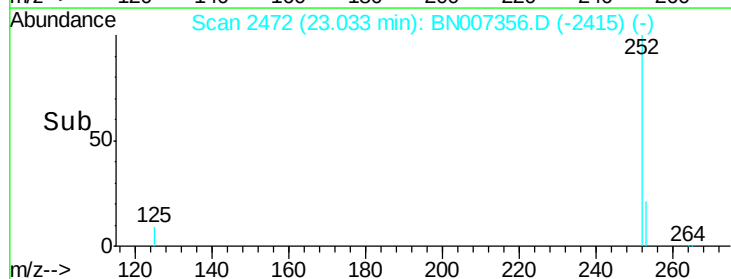
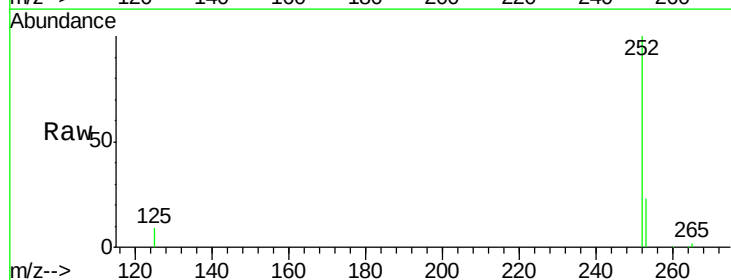
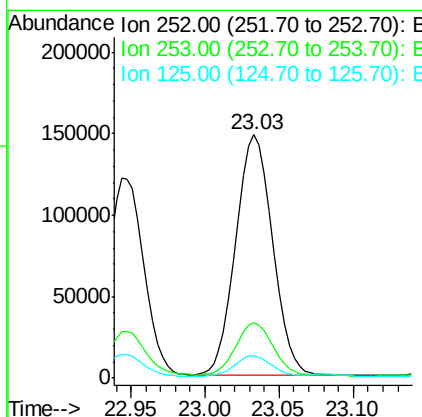
Manual Integrations
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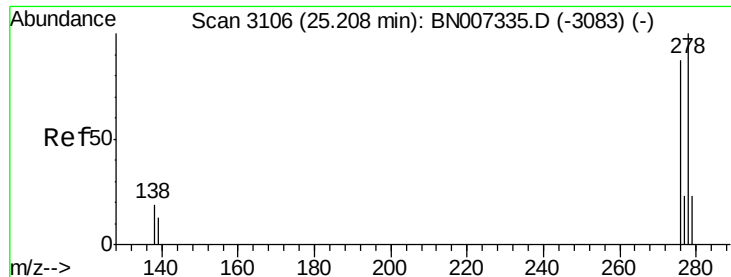
mohammad
8/29/2019 8:00:12 AM



#37
Benzo(a)pyrene
Concen: 2.154 ng m
RT: 23.03 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.5	29.3
125	9.3	12.1	18.1





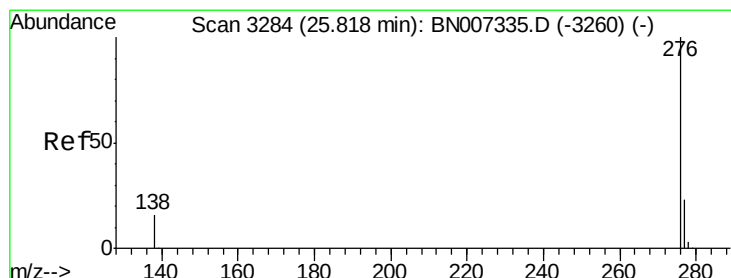
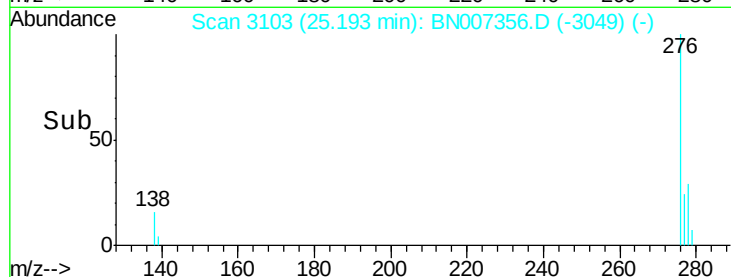
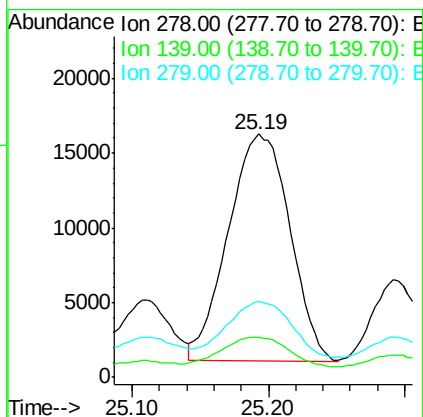
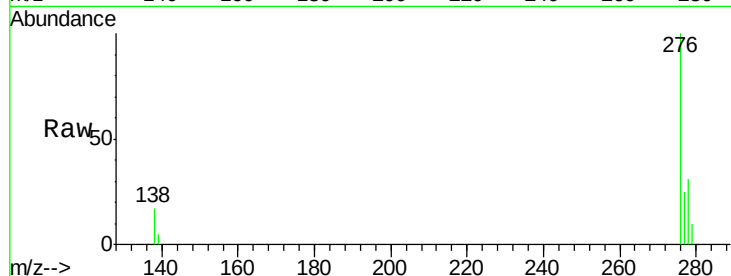
#38
Dibenzo(a,h)anthracene
Concen: 0.405 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.7	20.5
279	31.4	20.2	30.4

Manual Integrations
APPROVED

mohammad
8/29/2019 8:00:12 AM



#39
Benzo(g,h,i)perylene
Concen: 1.549 ng
RT: 25.82 min Scan# 3285
Delta R.T. -0.00 min
Lab File: BN007356.D
Acq: 24 Aug 2019 08:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.6	29.4
138	17.2	16.3	24.5

