

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007345.D
 Acq On : 24 Aug 2019 02:13
 Operator : HP/JU
 Sample : K4471-14 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S704-N-0.0-0.5-082119-FD

Manual Integrations
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mohammad
 8/29/2019 7:59:38 AM

Quant Time: Aug 24 07:51:08 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	4686	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	19539	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	10604	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	22819	0.40	ng	0.00
27) Chrysene-d12	21.02	240	22686	0.40	ng	0.00
34) Perylene-d12	23.12	264	25487	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	396	-0.00	ng	0.00
5) Phenol-d6	6.60	99	531	-0.00	ng	0.00
8) Nitrobenzene-d5	8.53	82	404	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	734	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	150	0.03	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	948	0.02	ng	0.00
25) Fluoranthene-d10	18.85	212	1640	0.02	ng	0.00
29) Terphenyl-d14	19.47	244	1505	0.03	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	5504	0.099	ng	96
12) 2-Methylnaphthalene	11.83	142	3711	0.098	ng	98
16) Acenaphthylene	13.76	152	5569	0.089	ng	98
17) Acenaphthene	14.11	154	9430	0.257	ng	98
18) Fluorene	15.10	166	15265	0.329	ng	95
23) Phenanthrene	16.84	178	228481	3.329	ng	99
24) Anthracene	16.93	178	50117	0.726	ng	# 93
26) Fluoranthene	18.87	202	402067	4.562	ng	100
28) Pyrene	19.24	202	332193	3.640	ng	# 95
30) Benzo(a)anthracene	21.00	228	194006	2.178	ng	99
31) Chrysene	21.05	228	161416	1.877	ng	97
32) Bis(2-ethylhexyl)phthalate	20.97	149	21209	0.349	ng	# 88
33) Indeno(1,2,3-cd)pyrene	25.18	276	106621	1.029	ng	98
35) Benzo(b)fluoranthene	22.51	252	223415	2.419	ng	# 95
36) Benzo(k)fluoranthene	22.54	252	72377m	0.793	ng	
37) Benzo(a)pyrene	23.03	252	152311m	1.733	ng	
38) Dibenzo(a,h)anthracene	25.19	278	26990	0.308	ng	97
39) Benzo(a,h,i)perylene	25.81	276	100403	1.149	ng	97

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

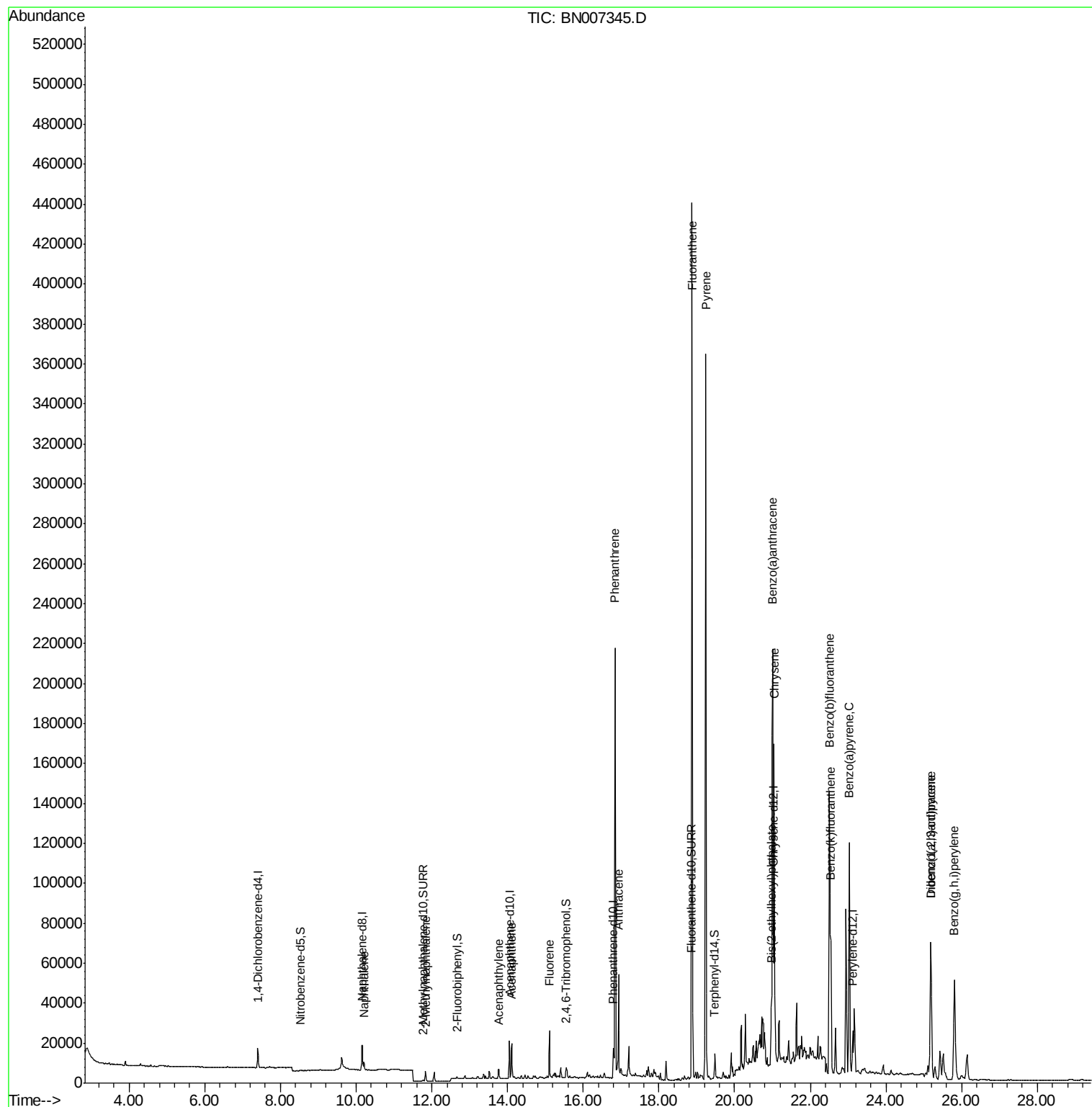
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
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#1

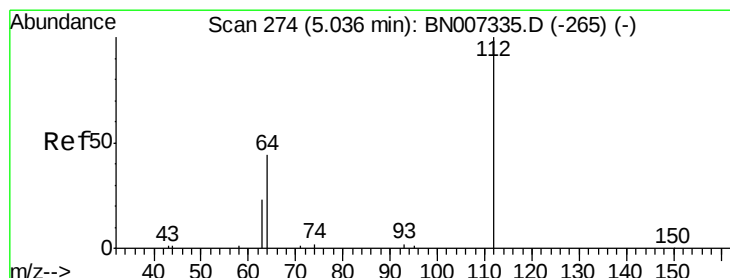
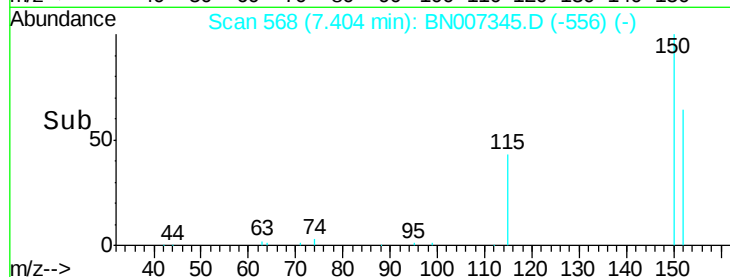
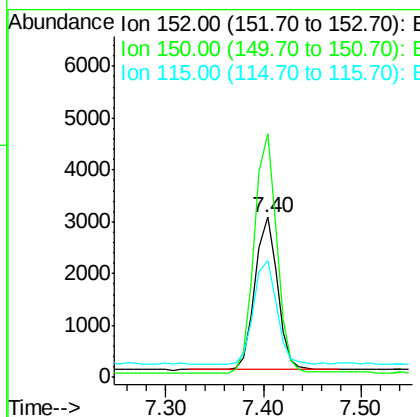
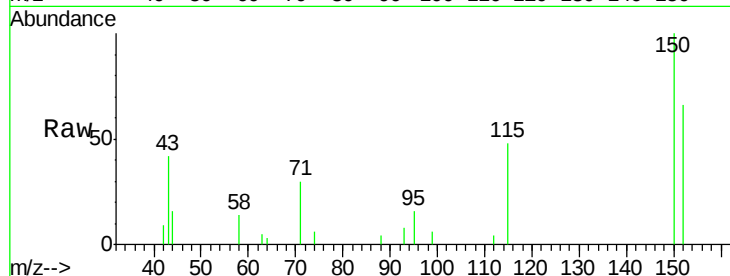
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Instrument :
BNA_N
ClientSampleId :
S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	109.1	163.7
115	73.0	59.6	89.4

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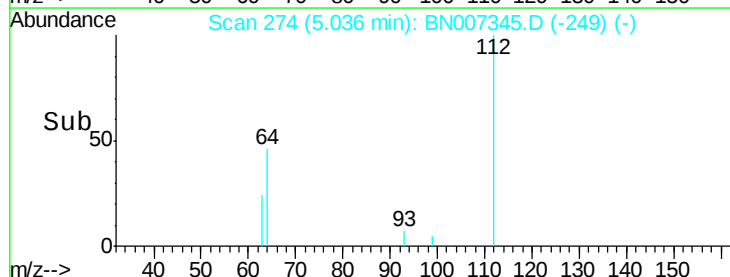
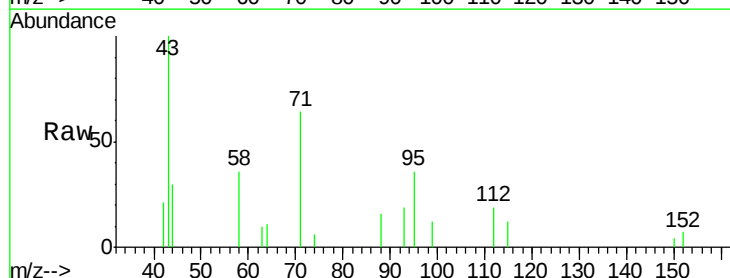
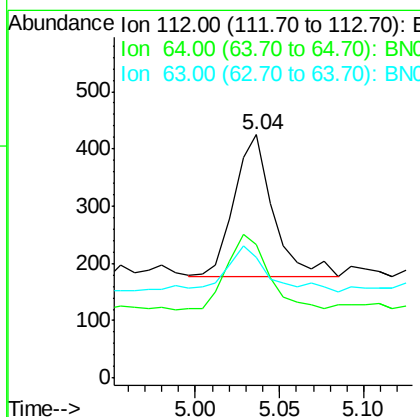
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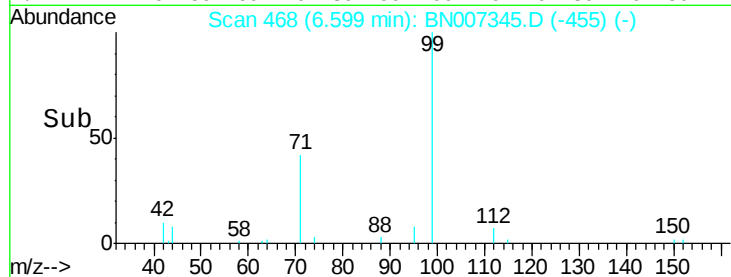
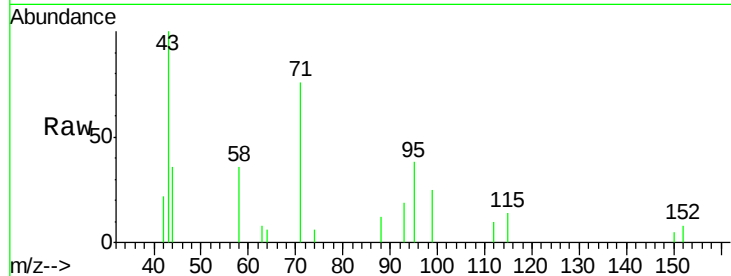
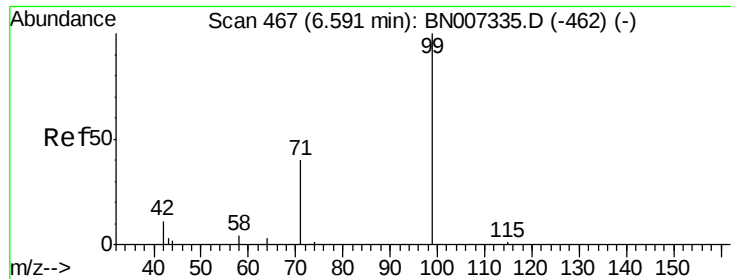


#4

2-Fluorophenol
Concen: -0.004 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	42.3	63.5
63	37.6	23.6	35.4





#5

Phenol-d6

Concen: -0.005 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Tot Ion:	99	Resp:	531
Ion	Ratio	Lower	Upper
99	100		
42	12.4	11.2	16.8
71	61.0	31.8	47.8#

Instrument :

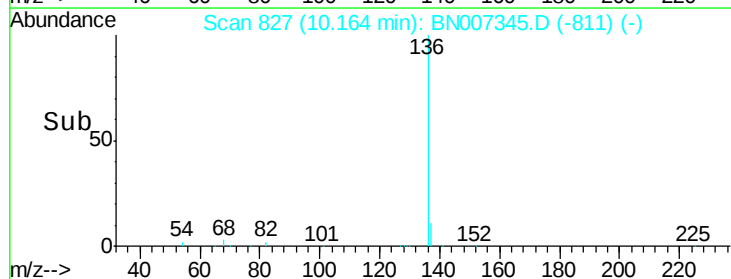
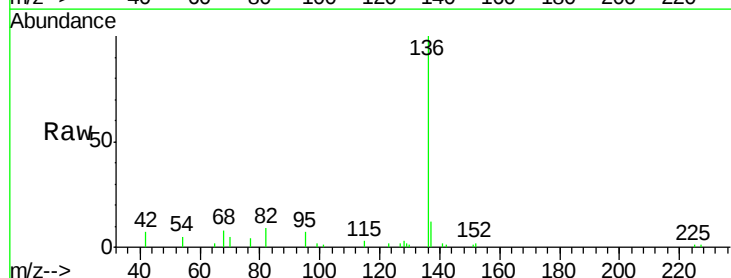
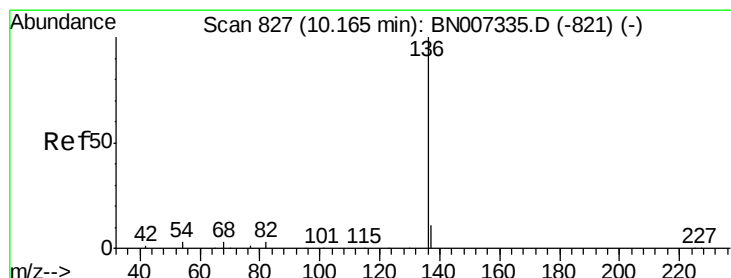
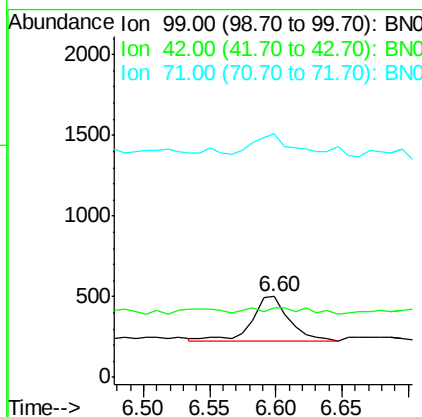
BNA_N

ClientSampleId :

S704-N-0.0-0.5-082119-FD

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#7

Naphthalene-d8

Concen: 0.400 ng

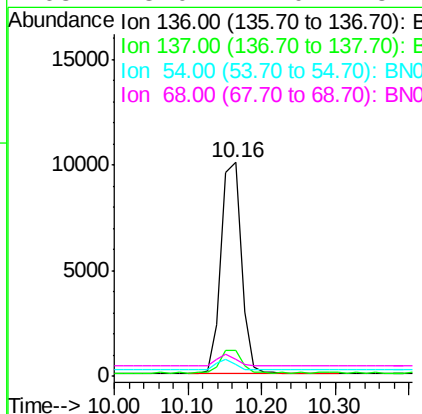
RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Tgt Ion:	136	Resp:	19539
Ion	Ratio	Lower	Upper
136	100		
137	12.0	12.9	19.3#
54	5.4	8.6	12.8#
68	8.0	17.0	25.4#





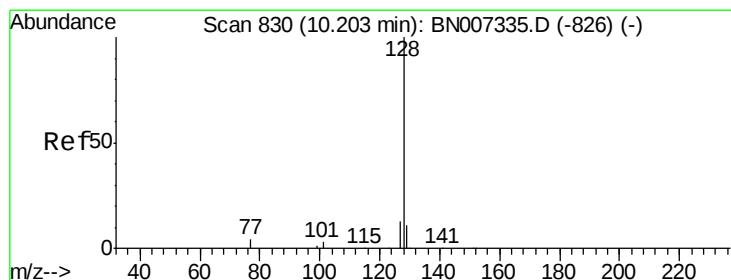
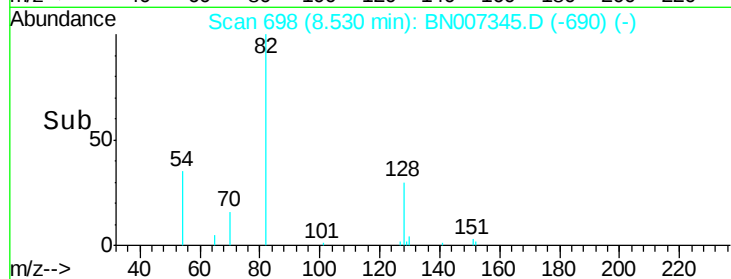
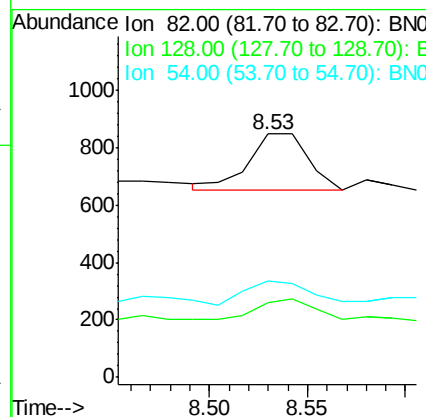
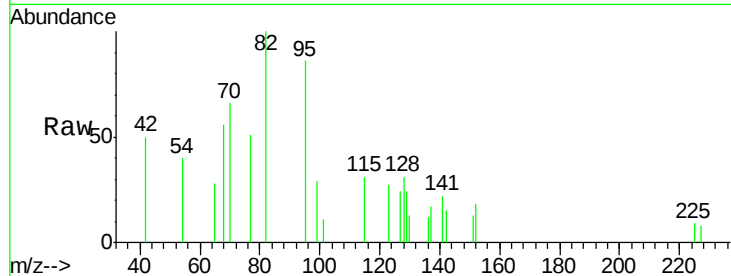
#8
 Nitrobenzene-d5
 Concen: 0.024 ng
 RT: 8.53 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Instrument :
 BNA_N
 ClientSampleId :
 S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
82	100		
128	30.6	19.7	29.5#
54	39.8	25.8	38.6#

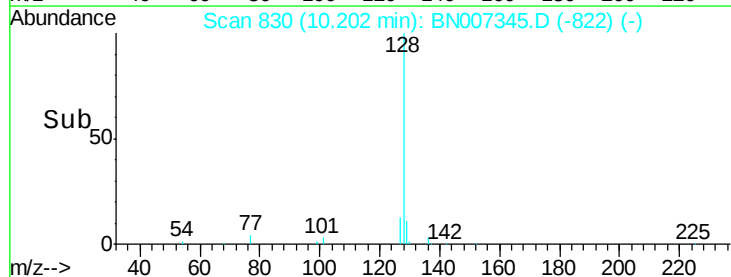
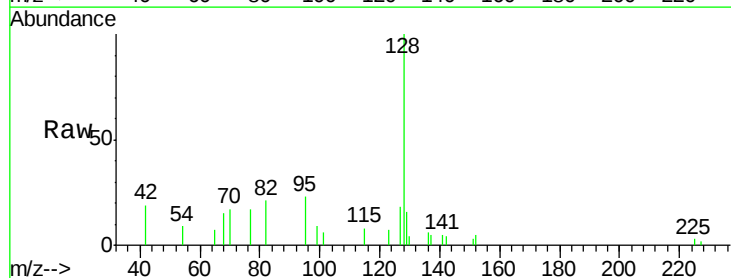
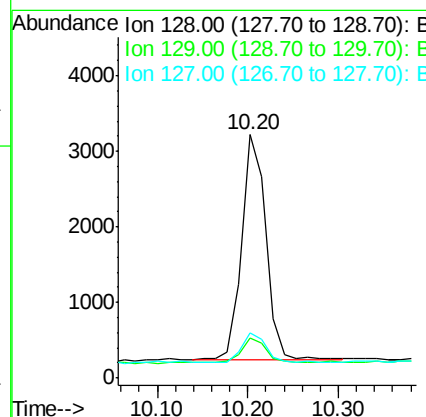
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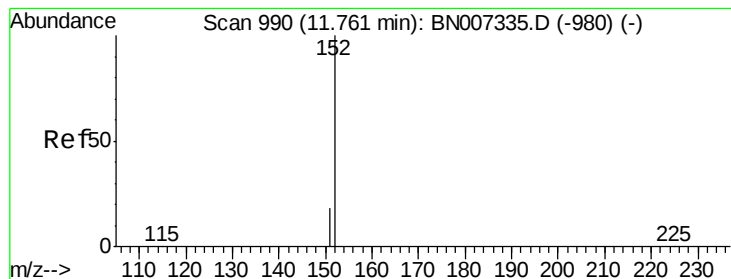
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#9
 Naphthalene
 Concen: 0.099 ng
 RT: 10.20 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.3	11.1	16.7
127	18.4	15.5	23.3





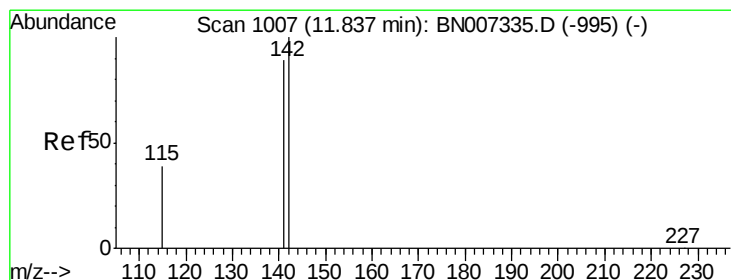
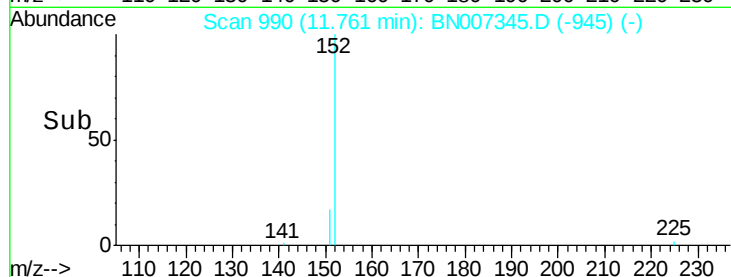
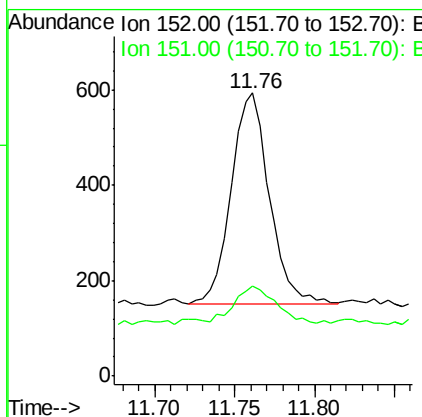
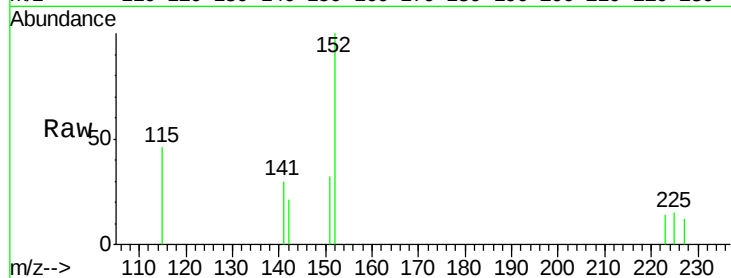
#11
 2-Methylnaphthalene-d10
 Concen: 0.023 ng
 RT: 11.76 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Instrument :
 BNA_N
 ClientSampleId :
 S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2

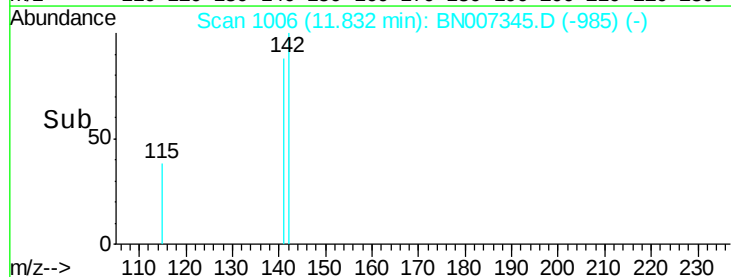
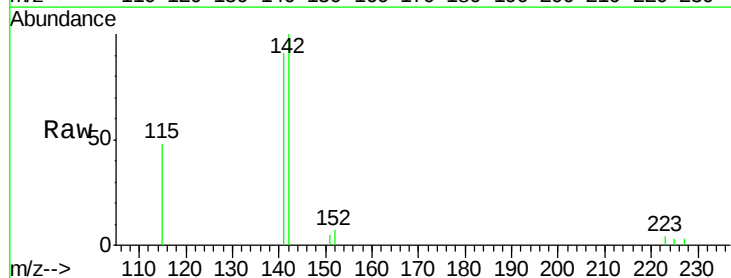
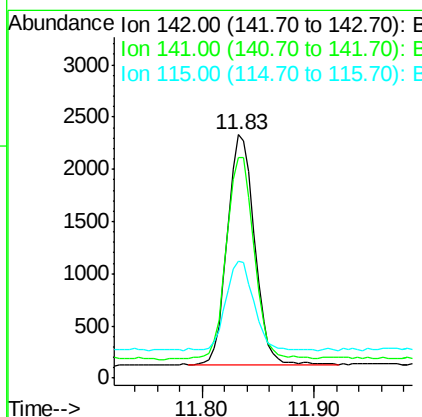
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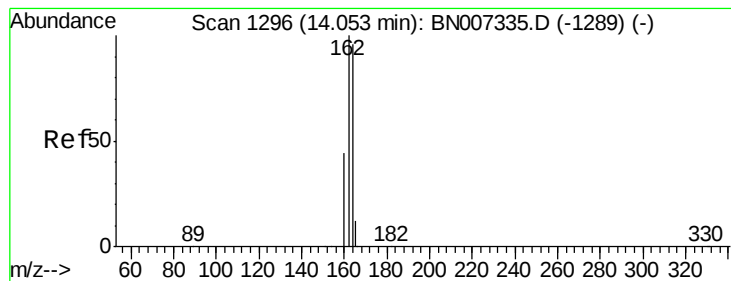
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#12
 2-Methylnaphthalene
 Concen: 0.098 ng
 RT: 11.83 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.8	109.2
115	48.1	35.2	52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Instrument :

BNA_N

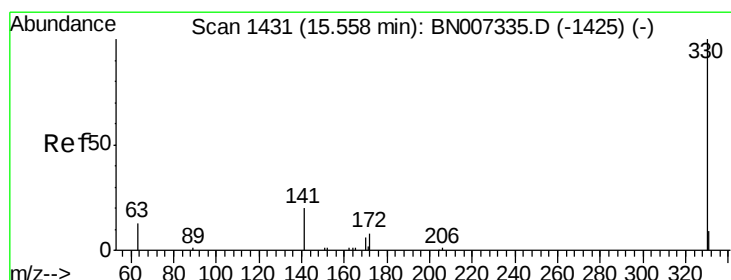
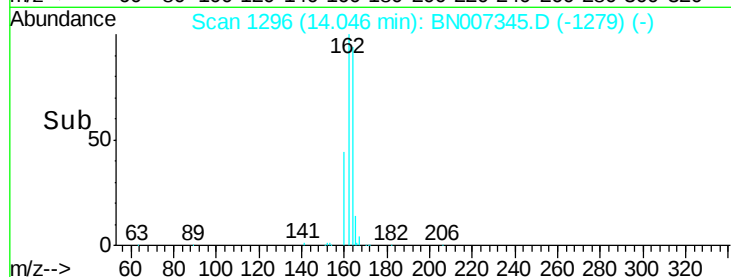
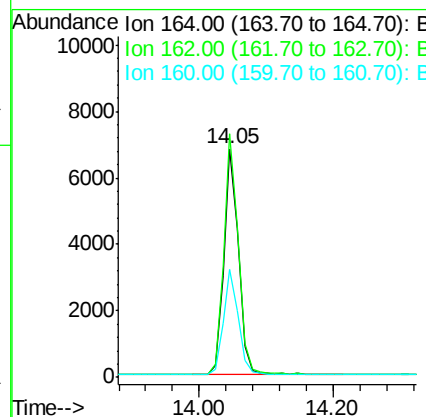
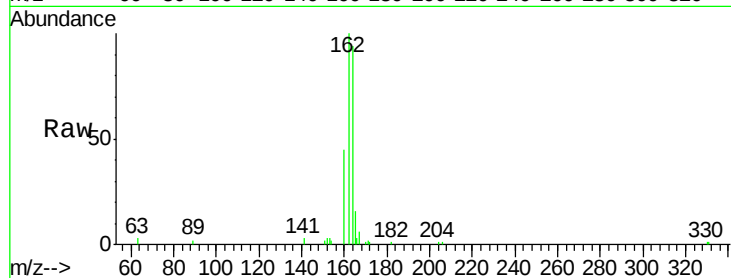
ClientSampleId :

S704-N-0.0-0.5-082119-FD

Tot Ion:	164	Resp:	10604
Ion Ratio	Lower	Upper	
164	100		
162	106.5	83.5	125.3
160	47.4	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.027 ng

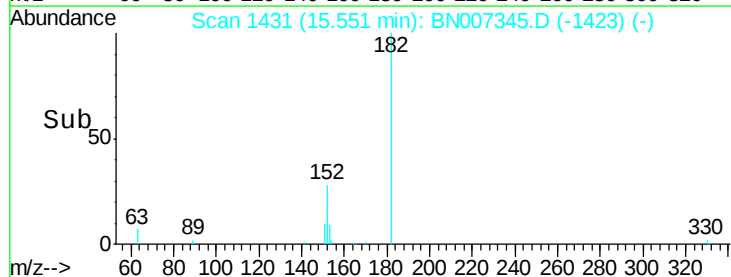
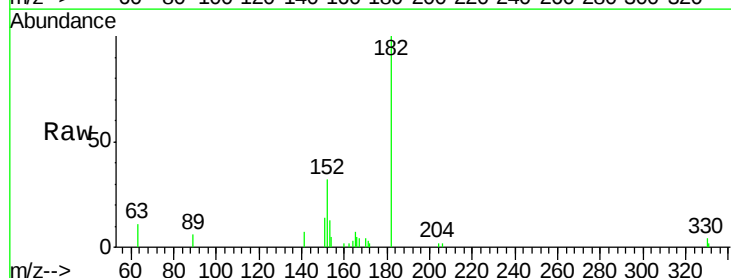
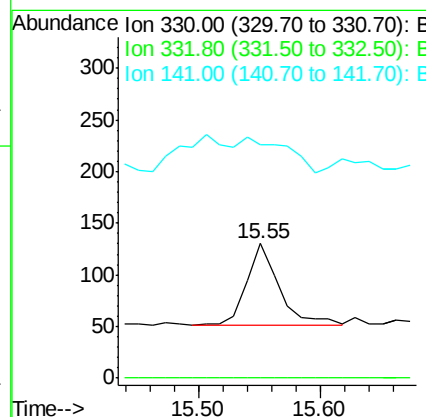
RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Tgt Ion:	330	Resp:	150
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	0.0	26.9	40.3#





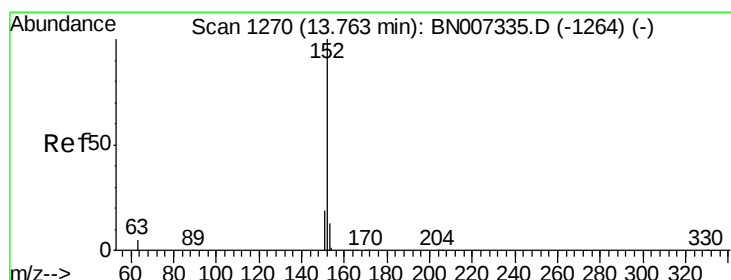
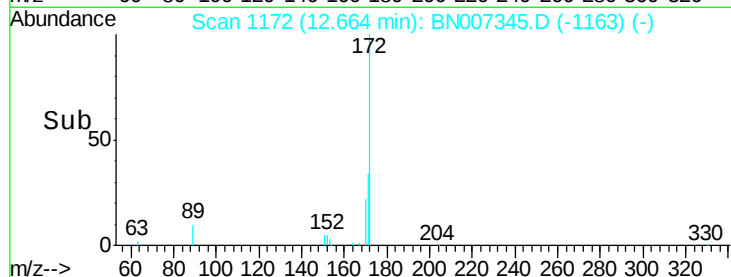
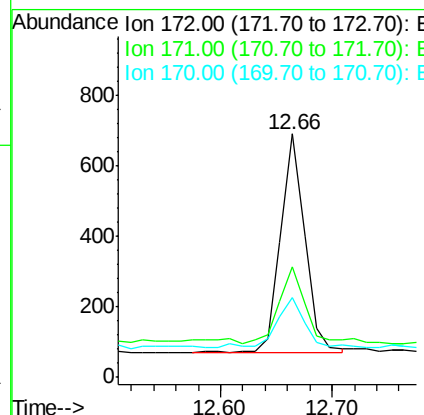
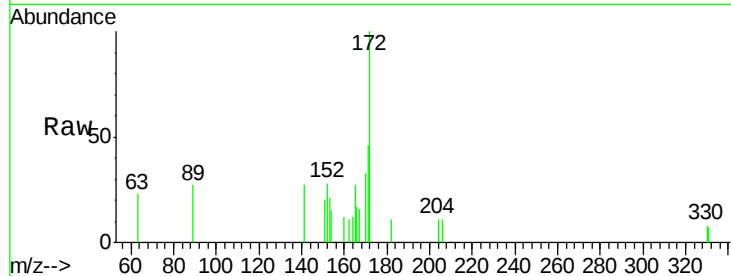
#15
2-Fluorobiphenyl
Concen: 0.022 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Instrument :
BNA_N
ClientSampleId :
S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.5	30.3	45.5#
170	32.8	20.7	31.1#

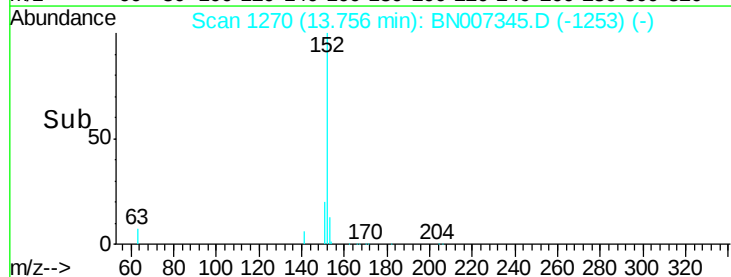
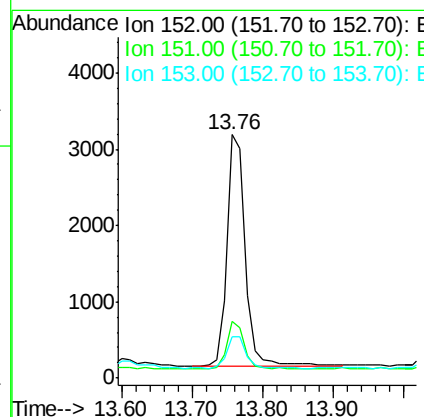
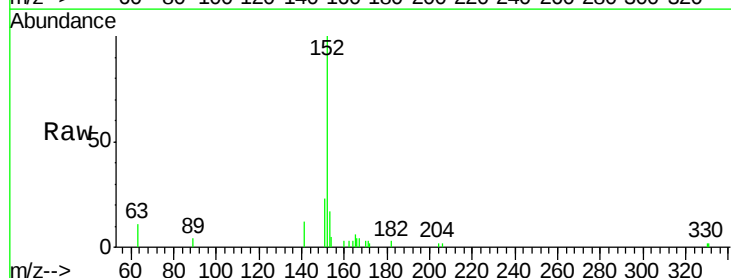
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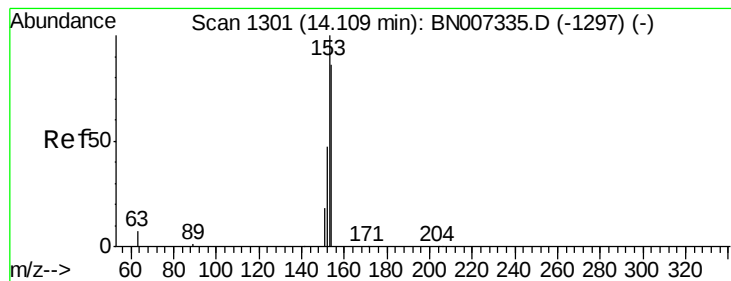
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#16
Acenaphthylene
Concen: 0.089 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	14.5	10.6	15.8





#17

Acenaphthene

Concen: 0.257 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Instrument :

BNA_N

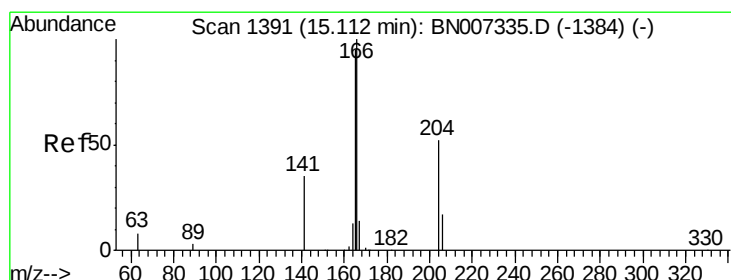
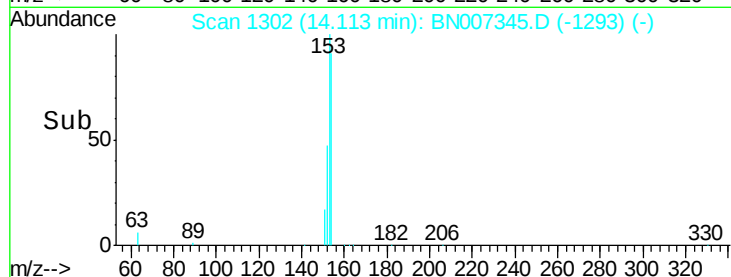
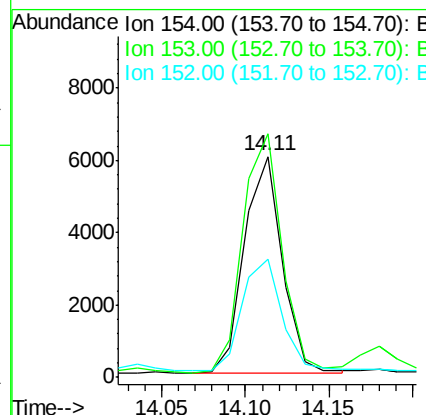
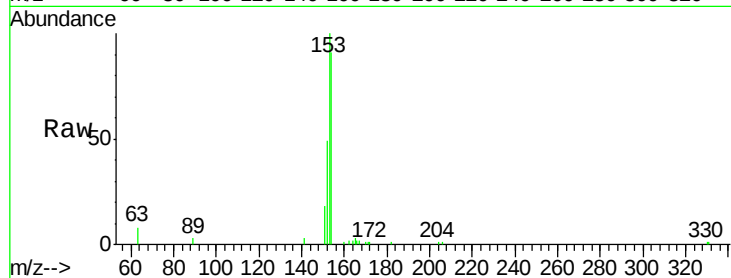
ClientSampleId :

S704-N-0.0-0.5-082119-FD

Tot Ion:	154	Resp:	9430
Ion Ratio	Lower	Upper	
154	100		
153	113.1	92.8	139.2
152	55.9	43.8	65.8

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#18

Fluorene

Concen: 0.329 ng

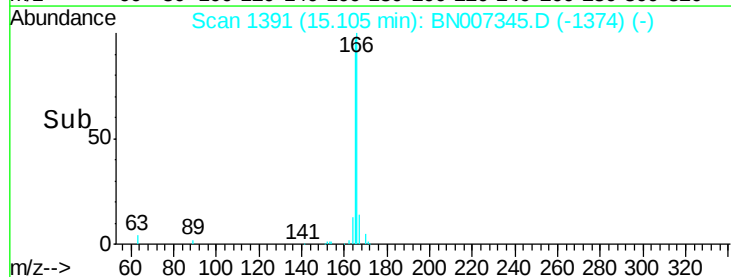
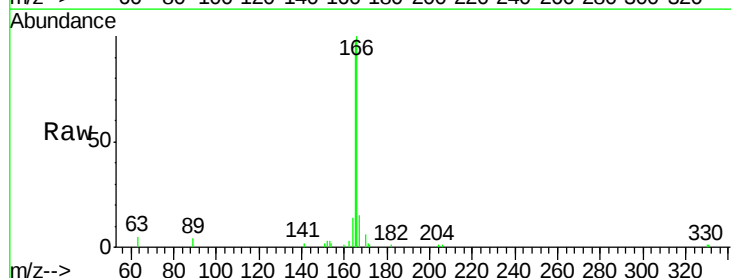
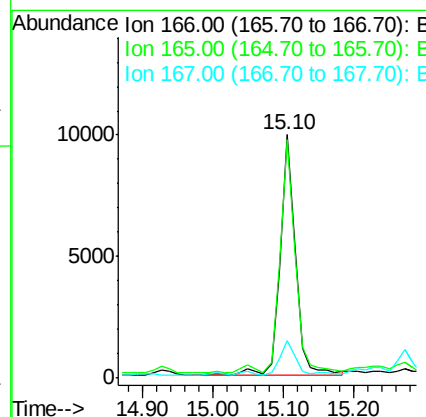
RT: 15.10 min Scan# 1391

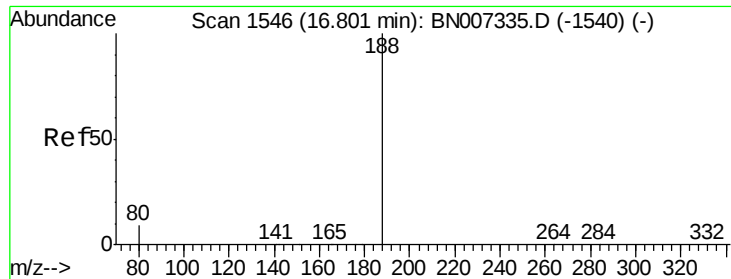
Delta R.T. -0.01 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Tgt Ion:	166	Resp:	15265
Ion Ratio	Lower	Upper	
166	100		
165	93.0	79.0	118.4
167	14.5	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: BN007345.D

Acq: 24 Aug 2019 02:13

Instrument :

BNA_N

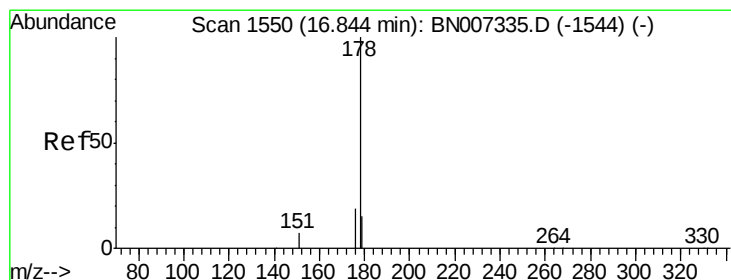
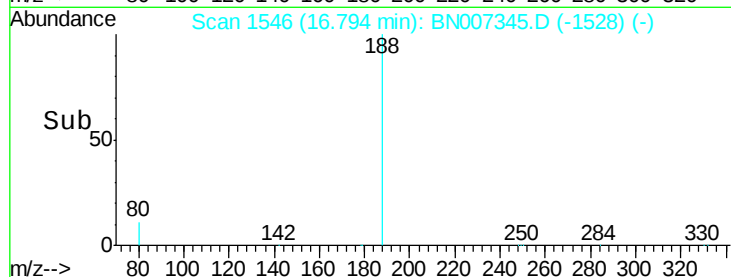
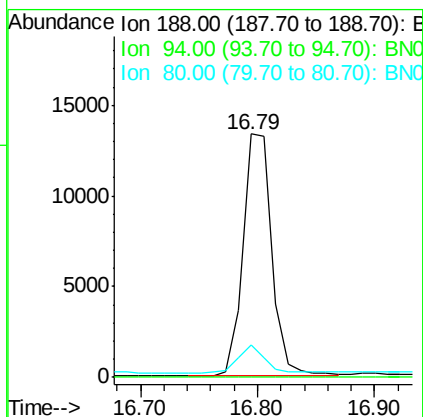
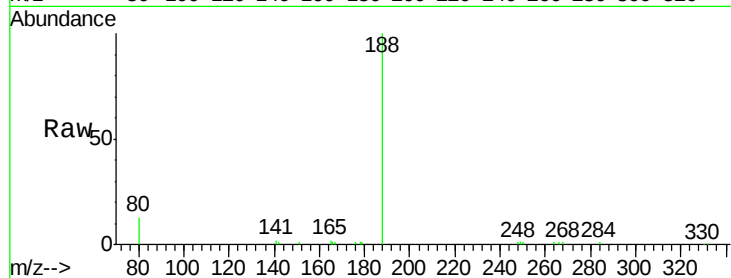
ClientSampleId :

S704-N-0.0-0.5-082119-FD

Tot Ion:	188	Resp:	22819
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.3	11.8	17.8

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#23

Phenanthrene

Concen: 3.329 ng

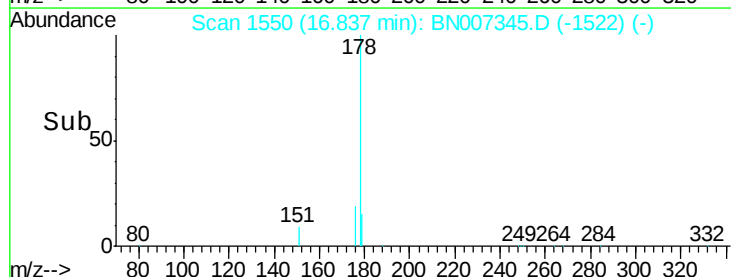
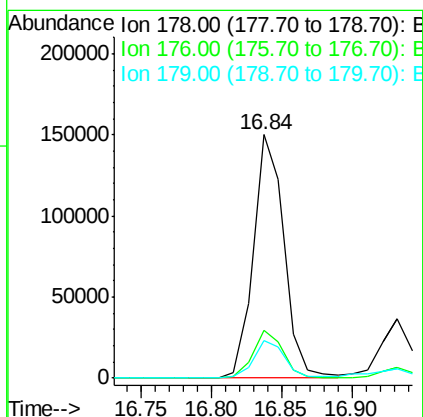
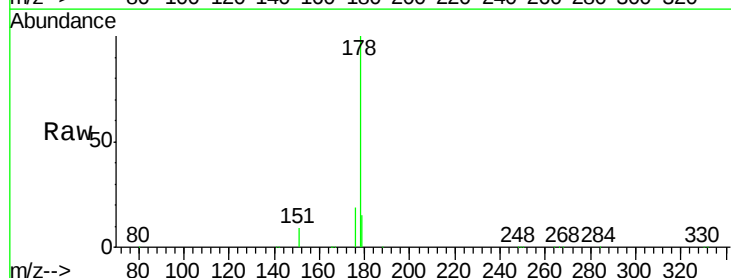
RT: 16.84 min Scan# 1550

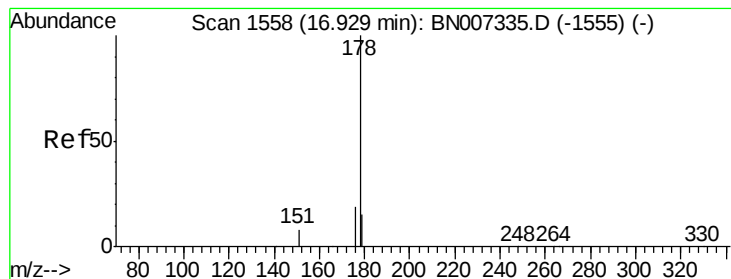
Delta R.T. -0.01 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Tgt Ion:	178	Resp:	228481
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.3	22.9
179	15.3	12.6	19.0





#24

Anthracene

Concen: 0.726 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Instrument :

BNA_N

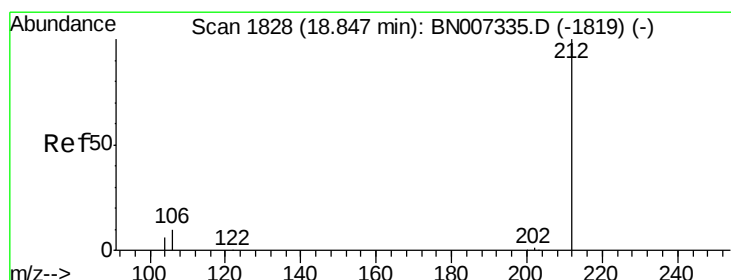
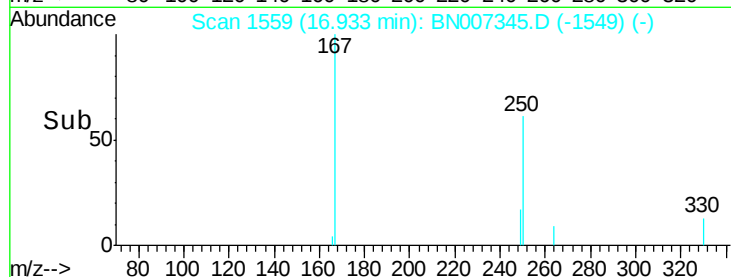
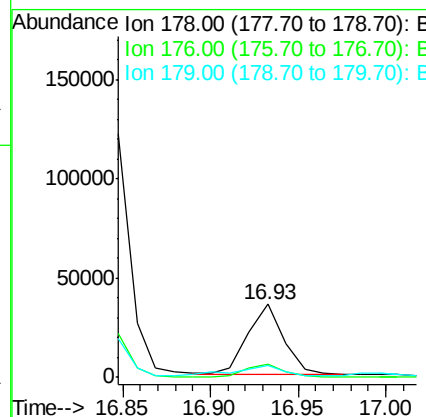
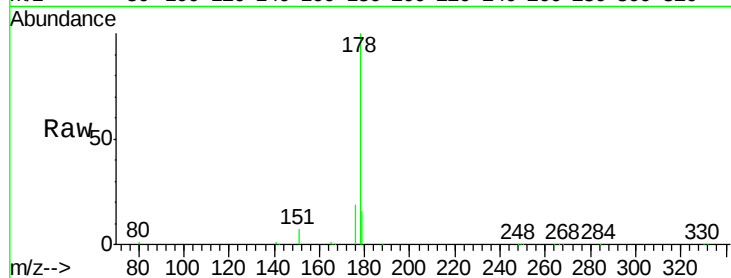
ClientSampleId :

S704-N-0.0-0.5-082119-FD

Tot Ion:	178	Resp:	50117
Ion Ratio	Lower	Upper	
178	100		
176	20.3	14.9	22.3
179	20.5	12.4	18.6#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.022 ng

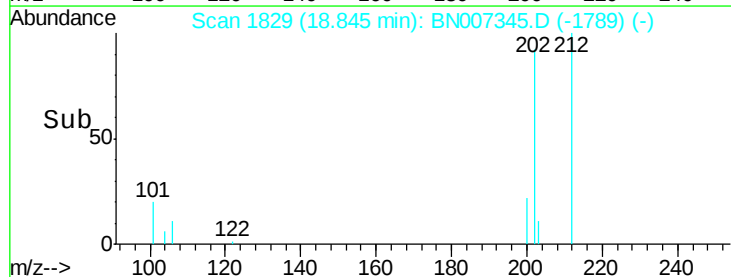
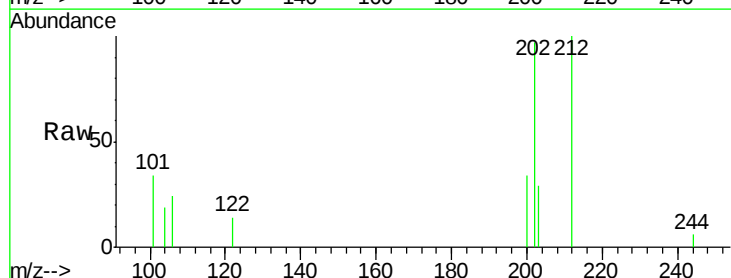
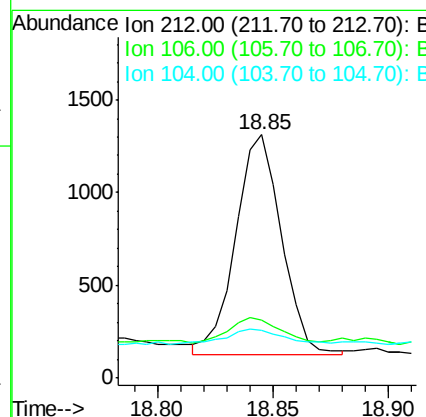
RT: 18.85 min Scan# 1829

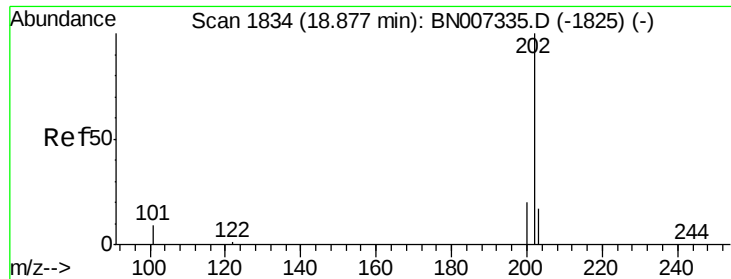
Delta R.T. -0.00 min

Lab File: BN007345.D

Acq: 24 Aug 2019 02:13

Tgt Ion:	212	Resp:	1640
Ion Ratio	Lower	Upper	
212	100		
106	12.4	9.0	13.4
104	9.1	5.4	8.2#





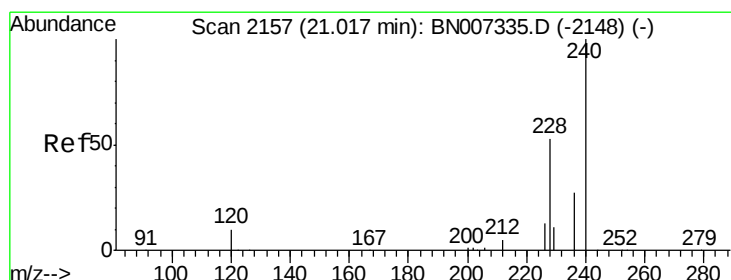
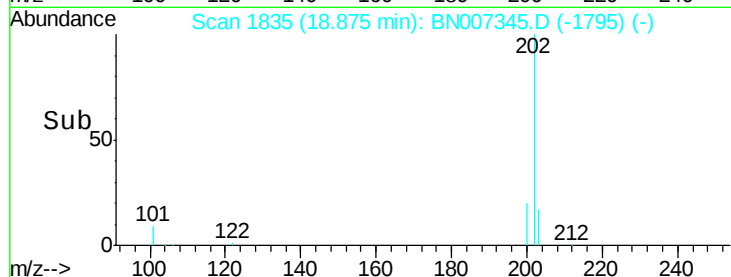
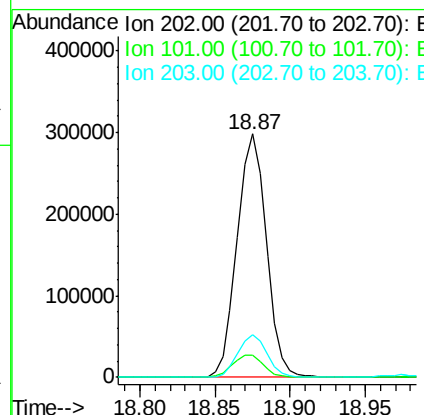
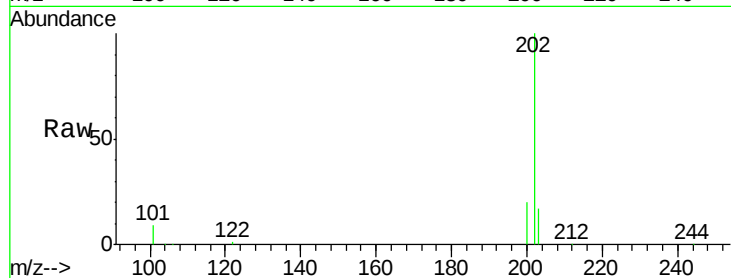
#26
Fluoranthene
 Concen: 4.562 ng
 RT: 18.87 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Instrument :
 BNA_N
 ClientSampleId :
 S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	402067		
101	9.6		7.7	11.5
203	17.3		13.7	20.5

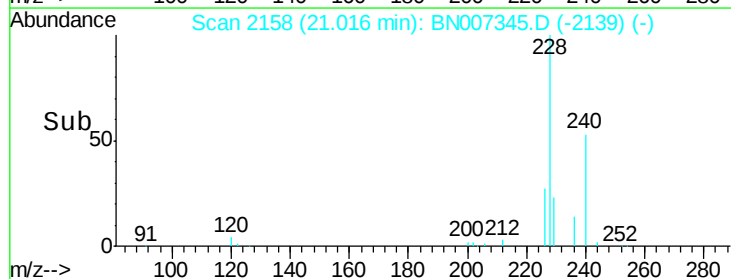
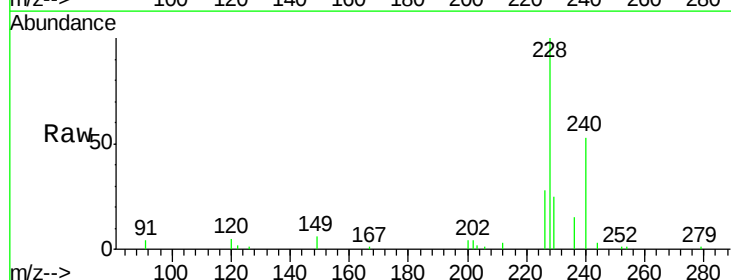
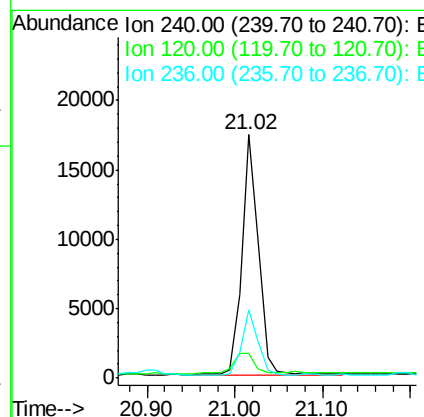
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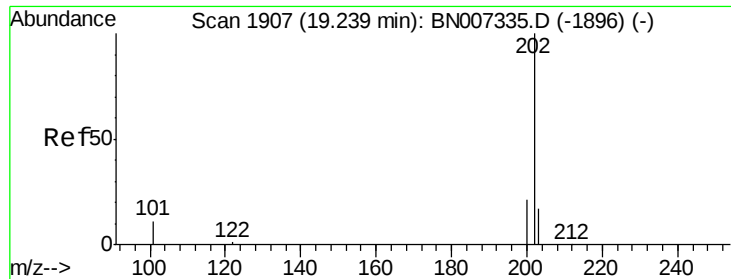
mohammad
 8/29/2019 7:59:38 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	22686		
120	10.2		9.6	14.4
236	28.1		22.2	33.2





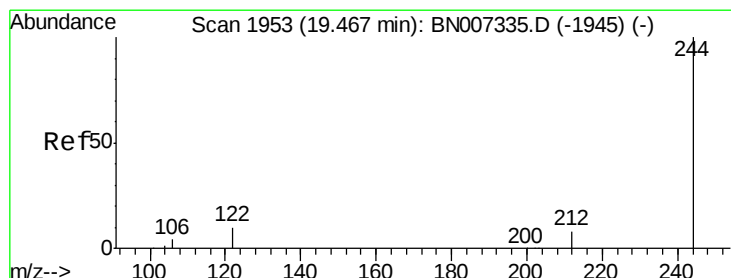
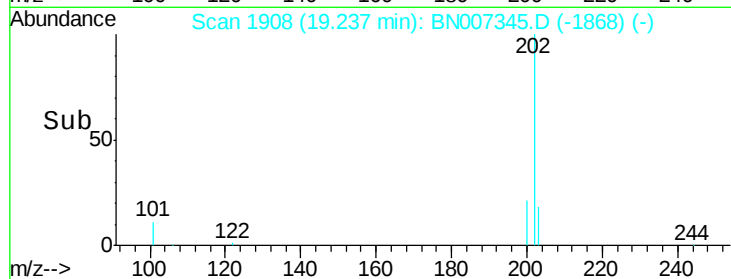
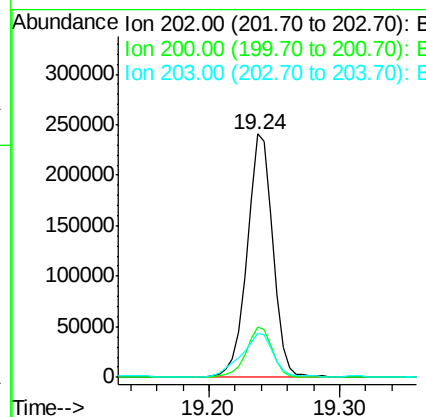
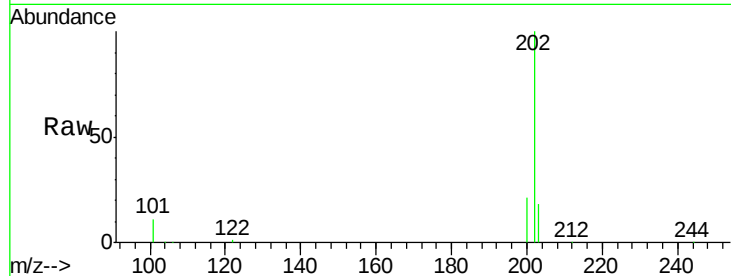
#28
Pvrene
Concen: 3.640 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Instrument :
BNA_N
ClientSampleId :
S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.6	25.0
203	22.7	14.2	21.4

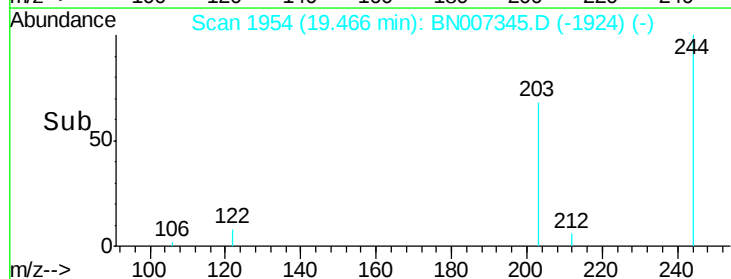
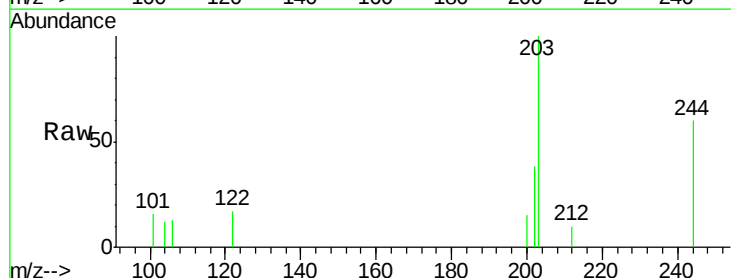
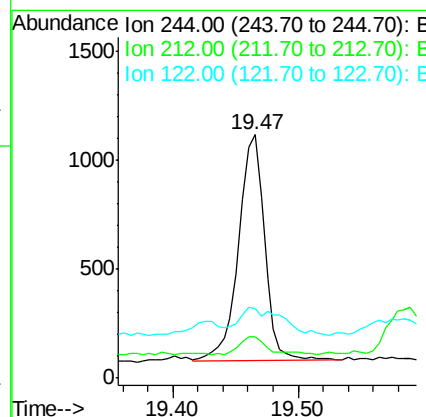
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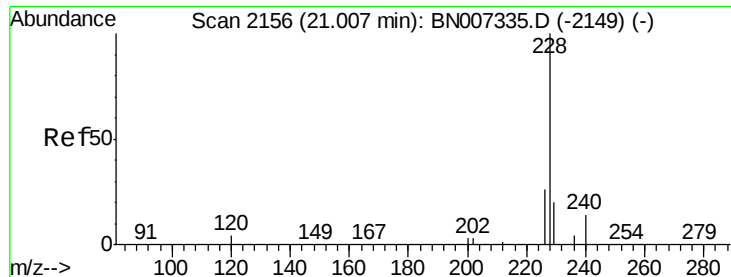
mohammad
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#29
Terphenyl-d14
Concen: 0.025 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	17.0	7.0	10.6
122	28.4	9.6	14.4





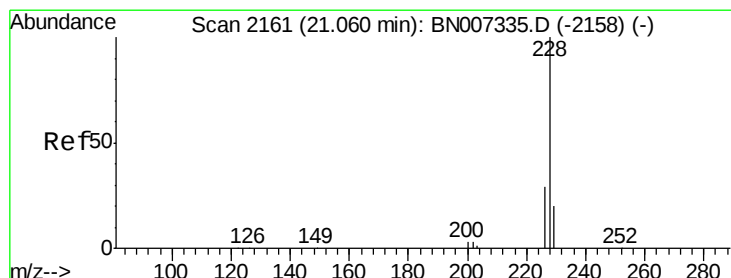
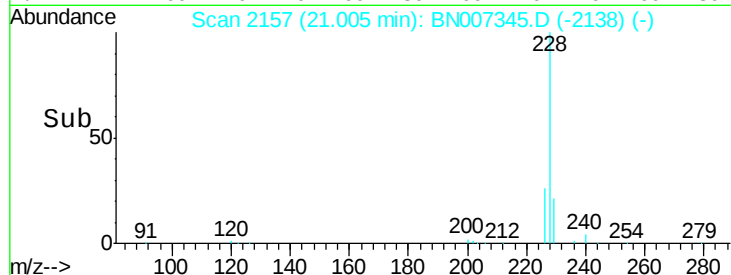
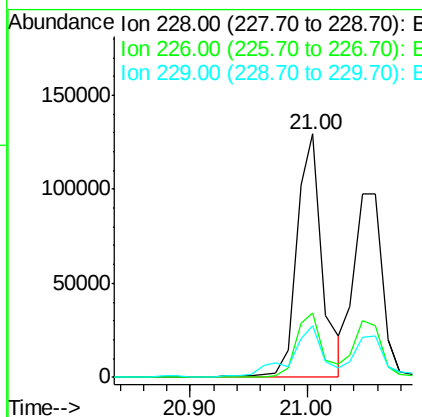
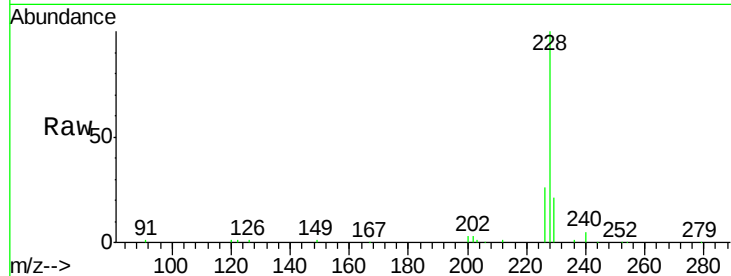
#30
Benzo(a)anthracene
Concen: 2.178 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Instrument :
BNA_N
ClientSampleId :
S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.3	31.9
229	21.2	16.1	24.1

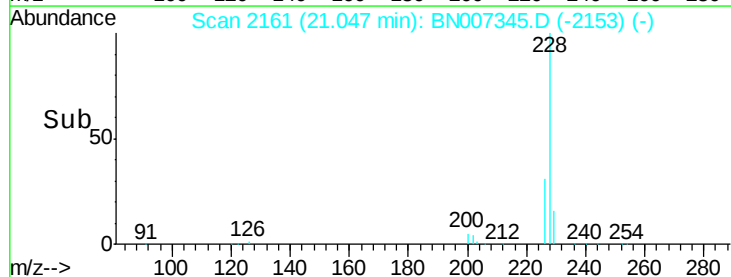
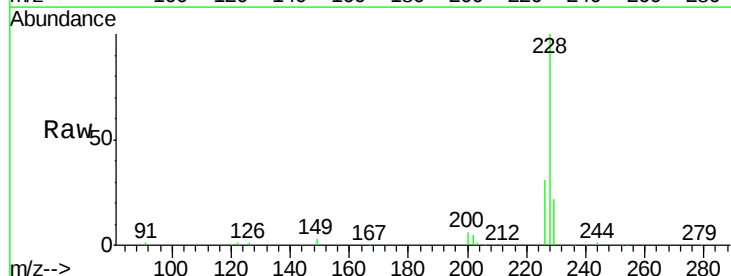
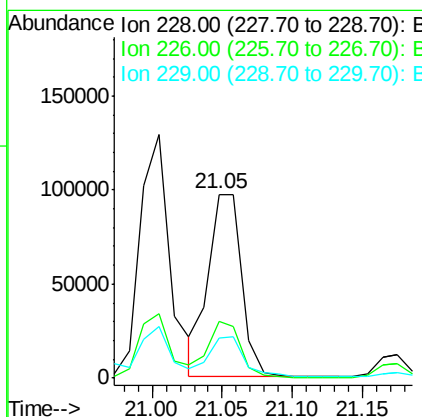
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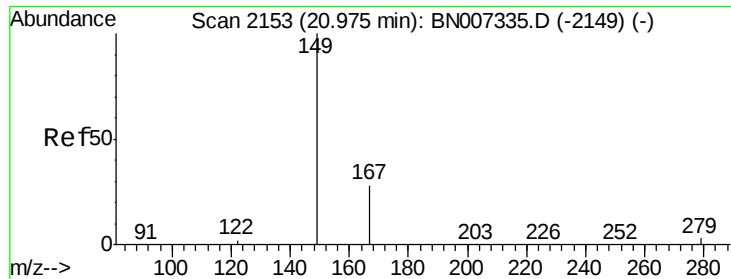
mohammad
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#31
Chrysene
Concen: 1.877 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.5	35.3
229	22.0	16.6	24.8





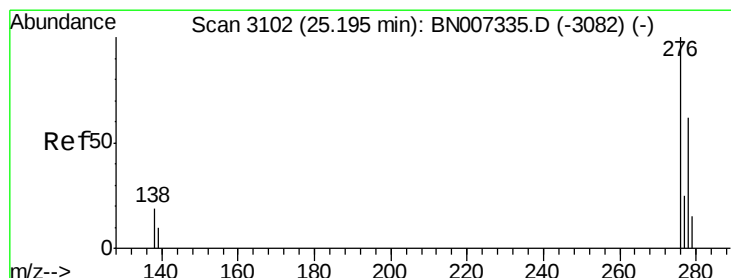
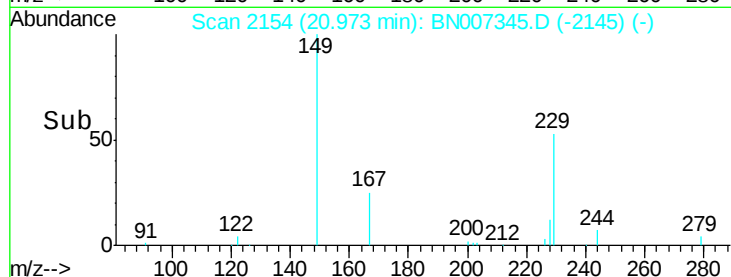
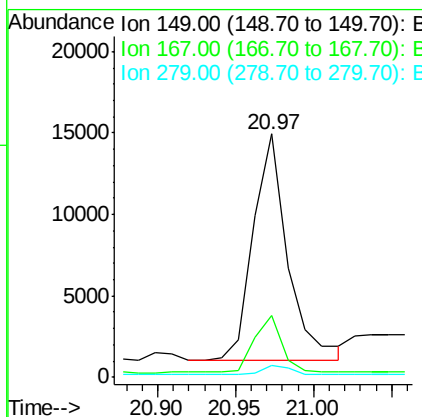
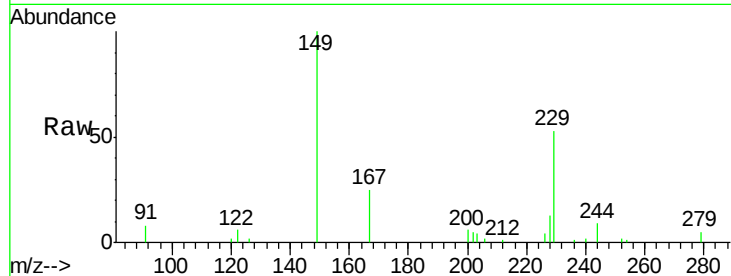
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.349 ng
 RT: 20.97 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Instrument :
 BNA_N
 ClientSampleId :
 S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
149	100		
167	21.3	22.8	34.2#
279	3.4	3.5	5.3#

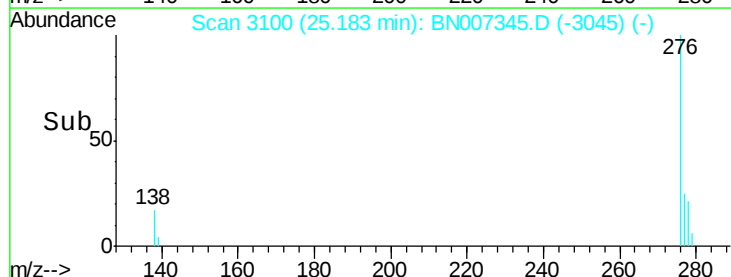
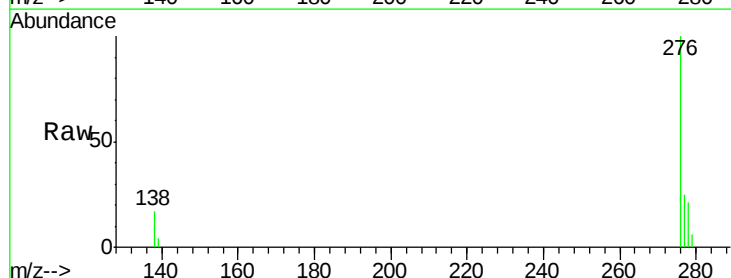
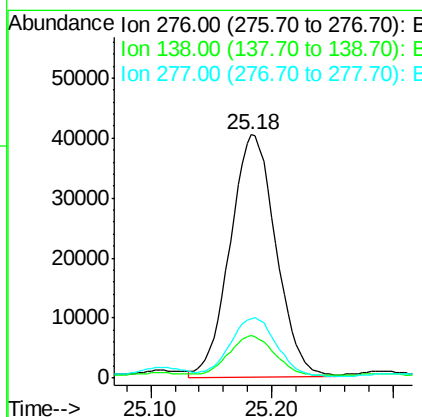
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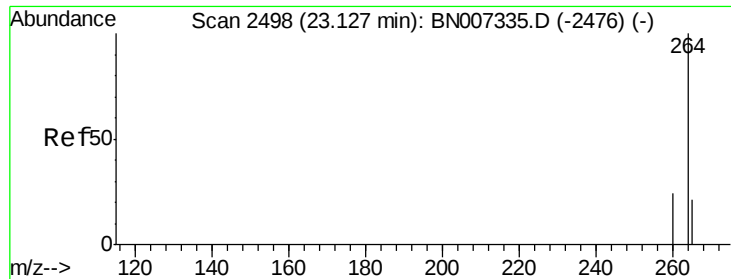
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.029 ng
 RT: 25.18 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BN007345.D
 Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	15.1	22.7
277	25.1	19.7	29.5





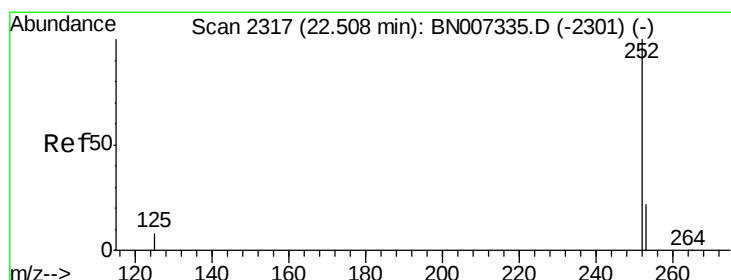
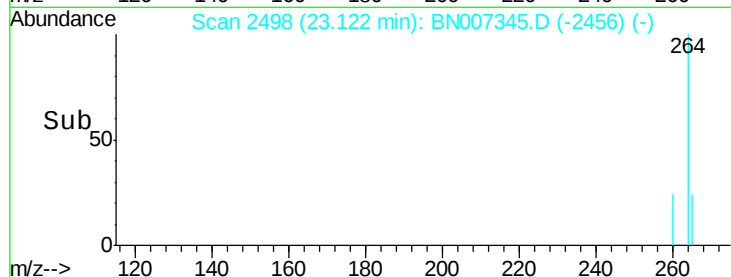
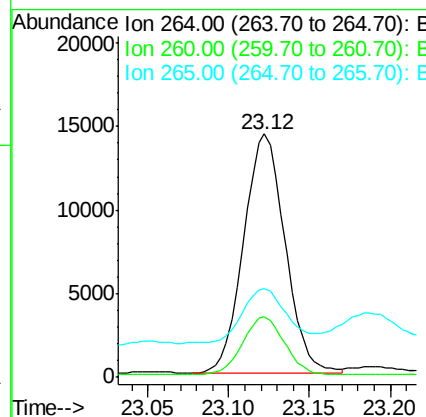
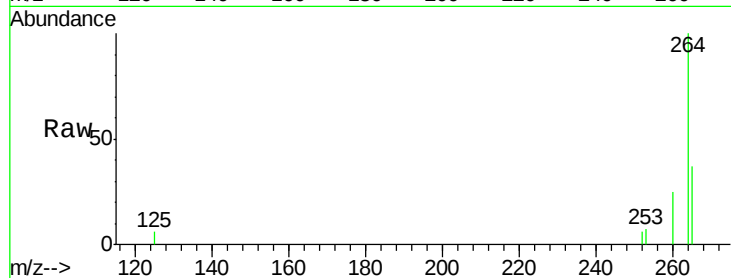
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Instrument :
BNA_N
ClientSampleId :
S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.7	29.5
265	36.7	29.9	44.9

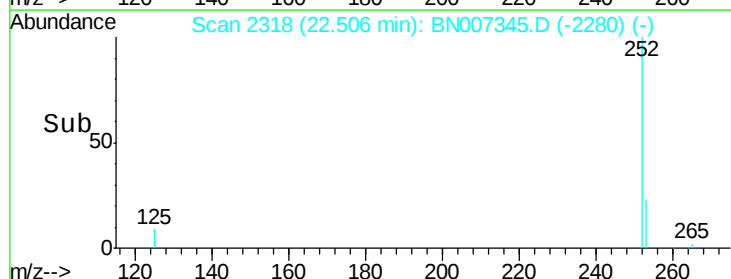
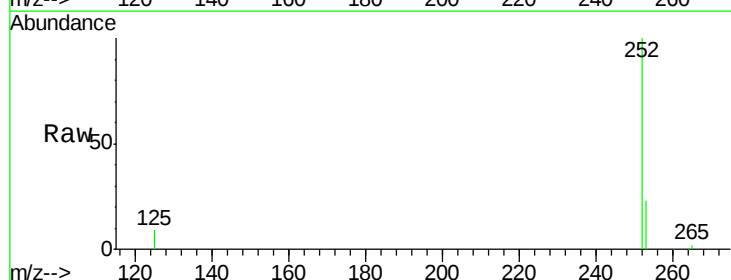
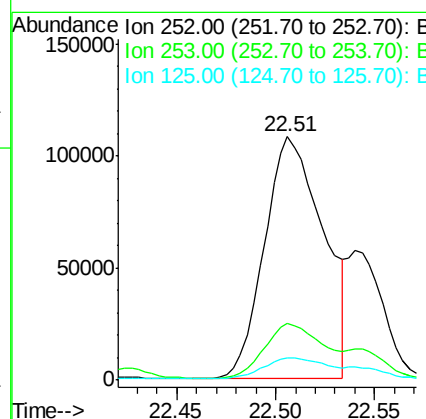
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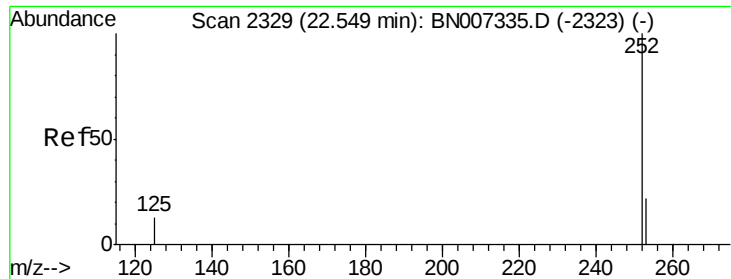
mohammad
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#35
Benzo(b)fluoranthene
Concen: 2.419 ng
RT: 22.51 min Scan# 2318
Delta R.T. -0.00 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	9.1	10.6	16.0#





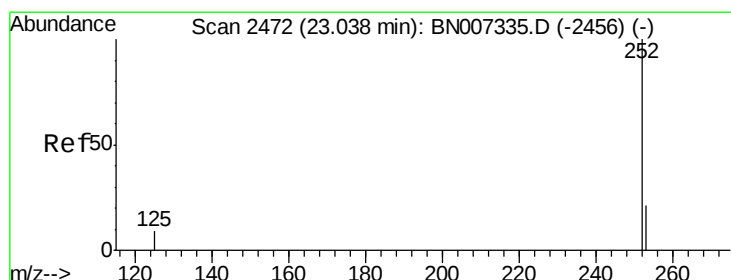
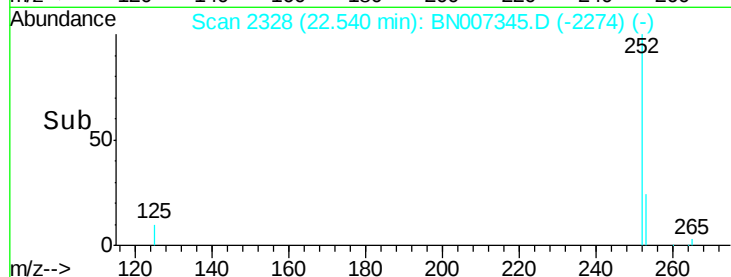
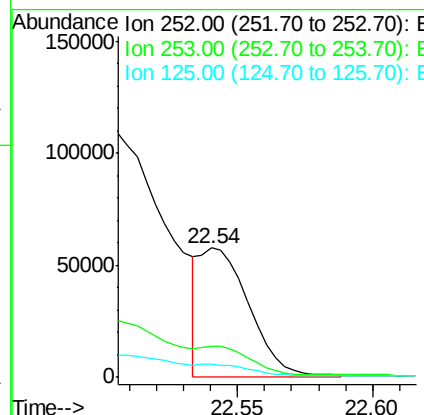
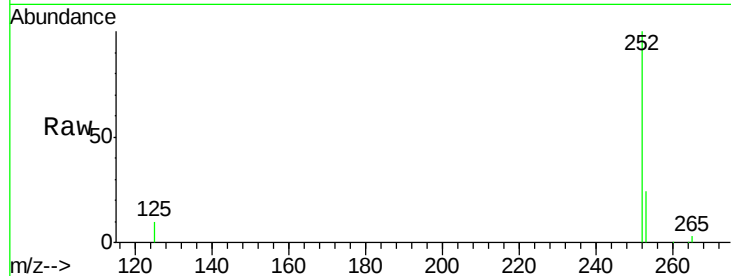
#36
Benzo(k)fluoranthene
Concen: 0.793 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Instrument :
BNA_N
ClientSampleId :
S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.2
125	9.9	13.1	19.7#

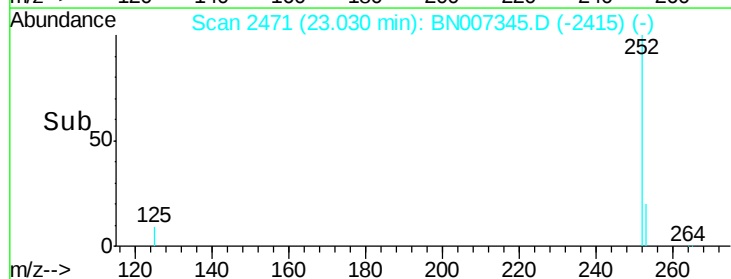
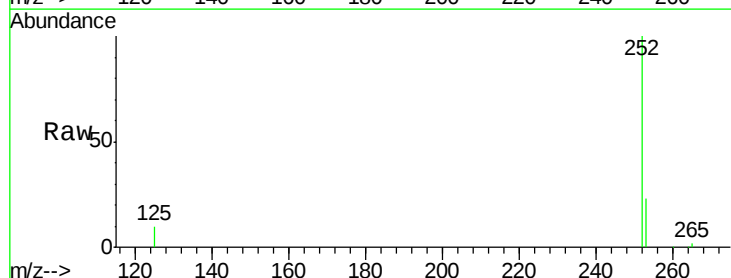
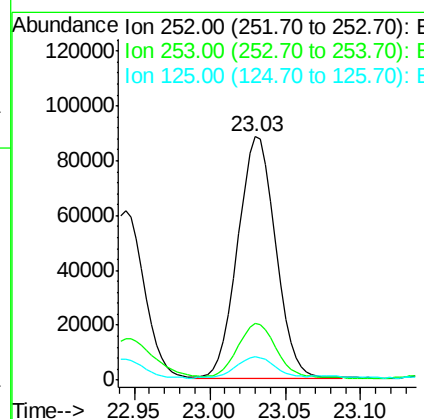
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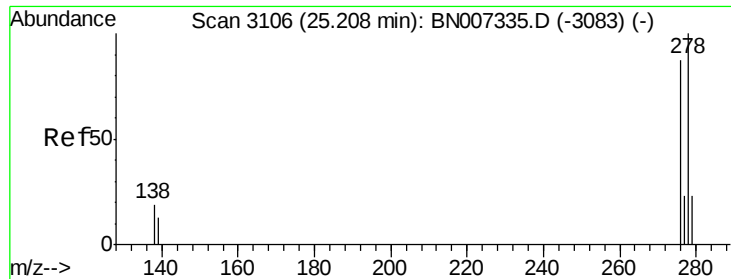
mohammad
8/29/2019 7:59:38 AM



#37
Benzo(a)pyrene
Concen: 1.733 ng m
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.5	29.3
125	9.6	12.1	18.1#





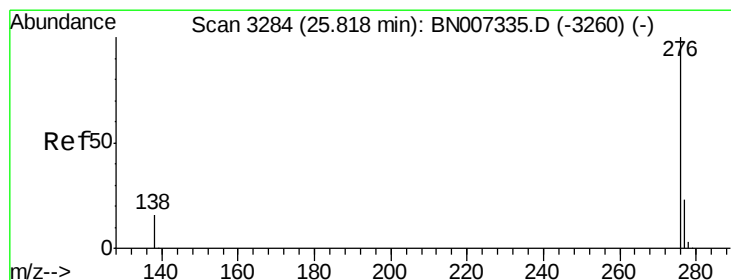
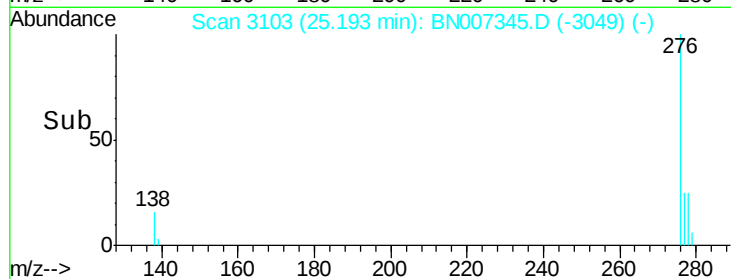
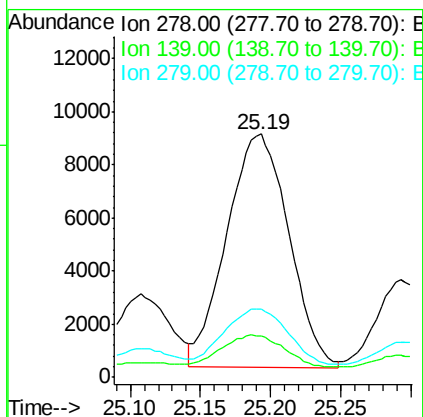
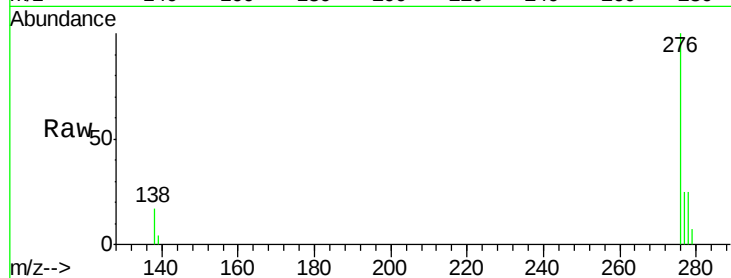
#38
Dibenzo(a,h)anthracene
Concen: 0.308 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Instrument :
BNA_N
ClientSampleId :
S704-N-0.0-0.5-082119-FD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.7	20.5
279	27.9	20.2	30.4

Manual Integrations
APPROVED

mohammad
8/29/2019 7:59:38 AM



#39
Benzo(g,h,i)perylene
Concen: 1.149 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007345.D
Acq: 24 Aug 2019 02:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.6	29.4
138	17.5	16.3	24.5

