

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007344.D
 Acq On : 24 Aug 2019 01:37
 Operator : HP/JU
 Sample : K4471-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 8/29/2019 7:59:35 AM

Quant Time: Aug 24 07:49:13 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	4263	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	17613	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	9645	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	21536	0.40	ng	0.00
27) Chrysene-d12	21.02	240	22436	0.40	ng	0.00
34) Perylene-d12	23.12	264	25604	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	3868	0.25	ng	0.00
5) Phenol-d6	6.60	99	4901	0.25	ng	0.00
8) Nitrobenzene-d5	8.53	82	3955	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	7908	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1462	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	9721	0.25	ng	0.00
25) Fluoranthene-d10	18.84	212	17418	0.25	ng	0.00
29) Terphenyl-d14	19.47	244	13759	0.23	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	6746	0.134	ng	# 96
12) 2-Methylnaphthalene	11.83	142	2960	0.086	ng	# 92
16) Acenaphthylene	13.77	152	8040	0.141	ng	97
17) Acenaphthene	14.11	154	43227	1.295	ng	98
18) Fluorene	15.10	166	43372	1.027	ng	98
22) Pentachlorophenol	16.46	266	162	0.036	ng	88
23) Phenanthrene	16.84	178	970667	14.984	ng	99
24) Anthracene	16.93	178	163647	2.512	ng	# 93
26) Fluoranthene	18.87	202	2044055	24.576	ng	99
28) Pvrene	19.24	202	1733942	19.212	ng	# 94
30) Benzo(a)anthracene	21.00	228	941952	10.690	ng	99
31) Chrysene	21.06	228	867853	10.204	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	112391	1.952	ng	# 85
33) Indeno(1,2,3-cd)pyrene	25.19	276	639654	6.243	ng	98
35) Benzo(b)fluoranthene	22.51	252	1214825m	13.095	ng	
36) Benzo(k)fluoranthene	22.54	252	432738m	4.720	ng	
37) Benzo(a)pvrene	23.03	252	844594m	9.567	ng	
38) Dibenzo(a,h)anthracene	25.19	278	153451	1.742	ng	97
39) Benzo(g,h,i)perylene	25.82	276	626563	7.139	ng	96

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

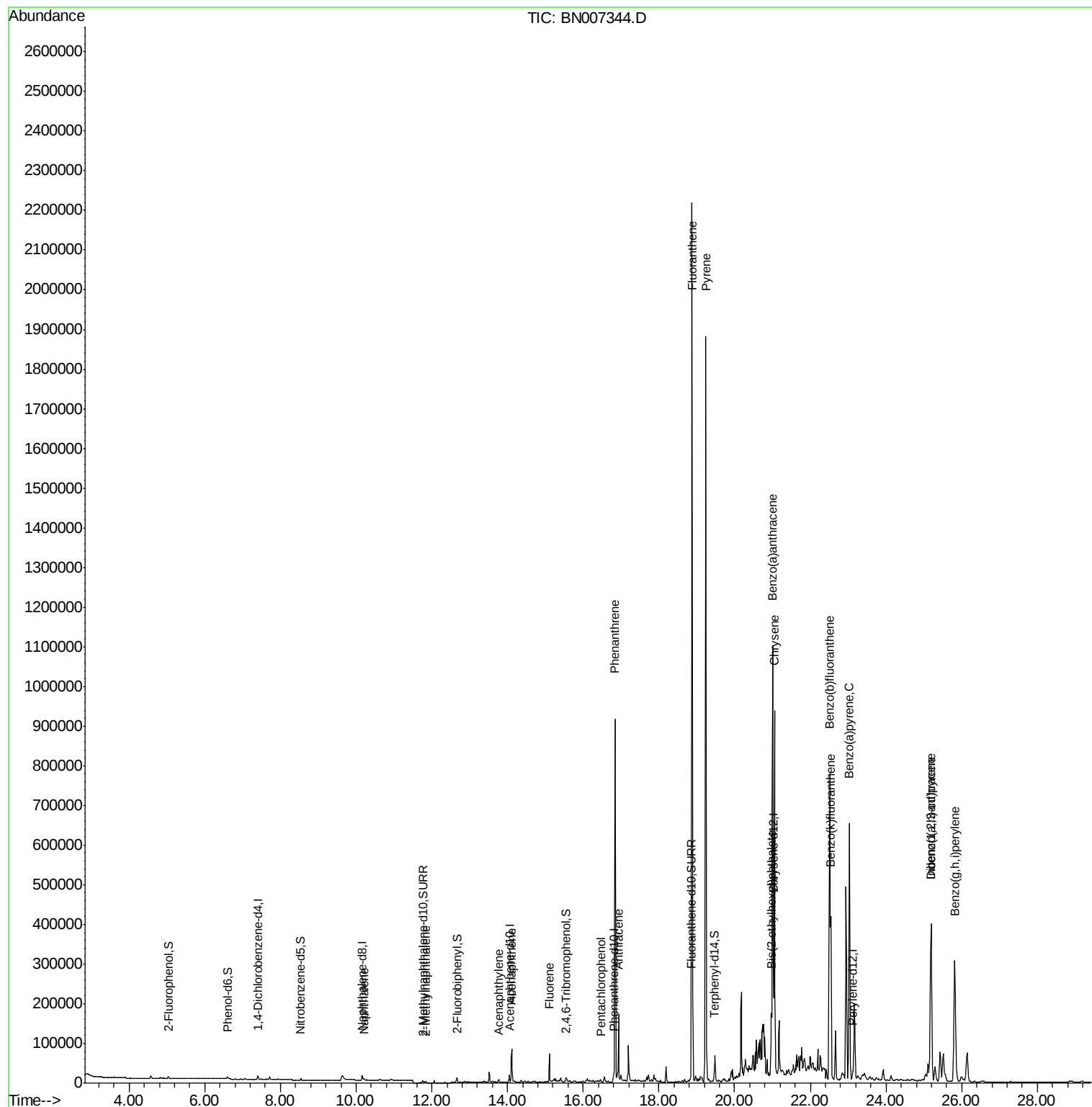
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007344.D
Acq On : 24 Aug 2019 01:37
Operator : HP/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

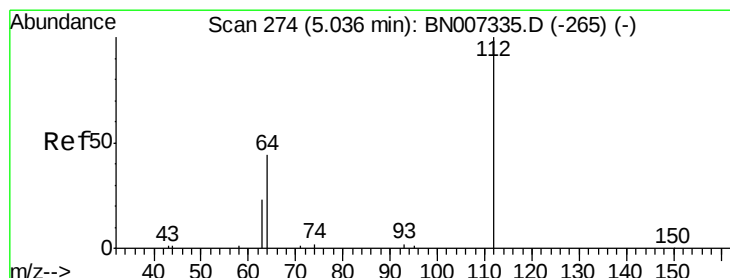
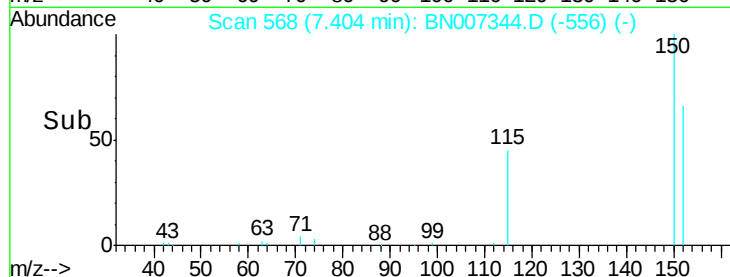
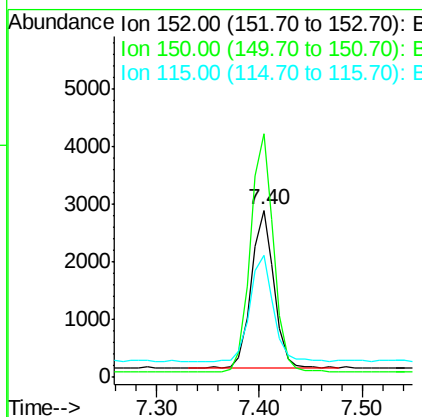
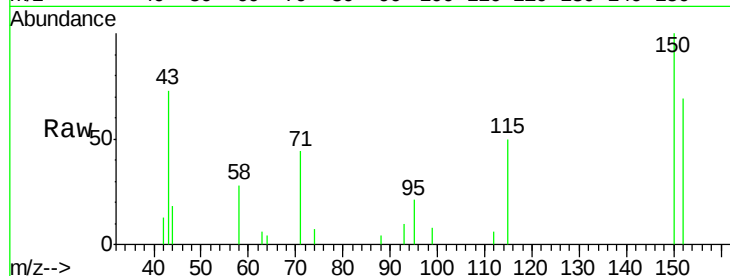
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.5	109.1	163.7
115	72.9	59.6	89.4

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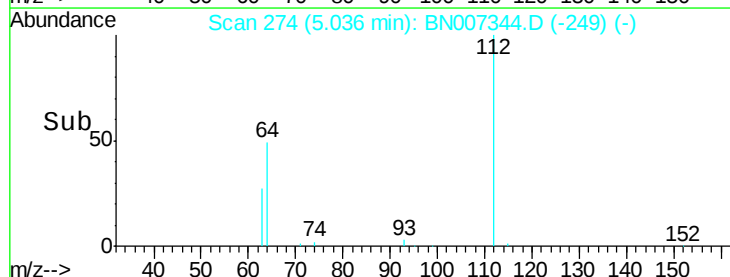
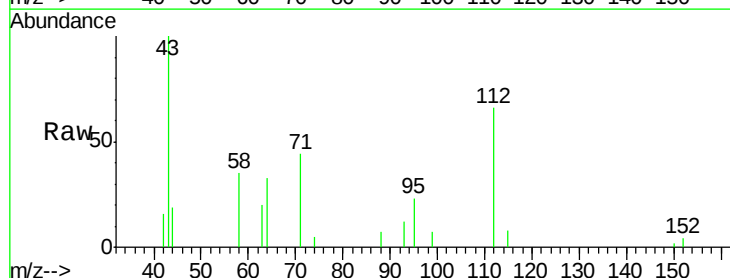
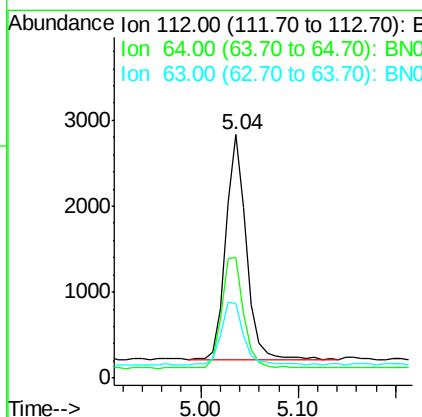
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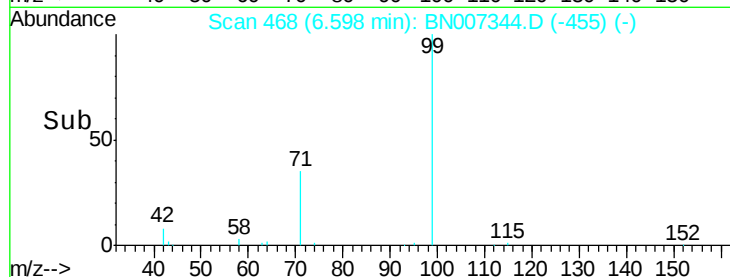
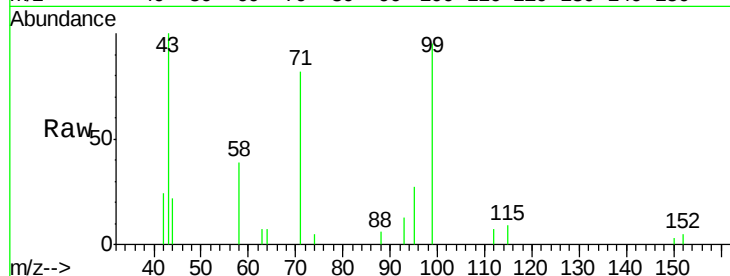
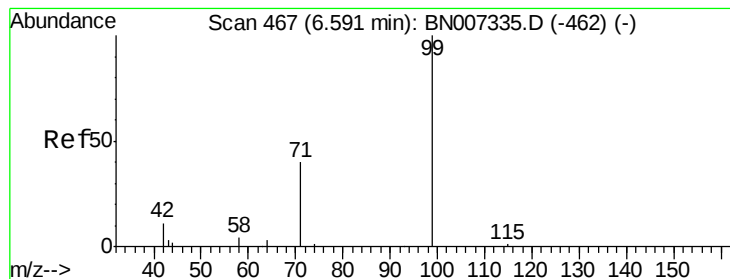


#4

2-Fluorophenol
Concen: 0.251 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.3	63.5
63	30.8	23.6	35.4





#5

Phenol-d6

Concen: 0.249 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tot Ion:	99	Resp:	4901
Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.2	16.8
71	39.7	31.8	47.8

Instrument :

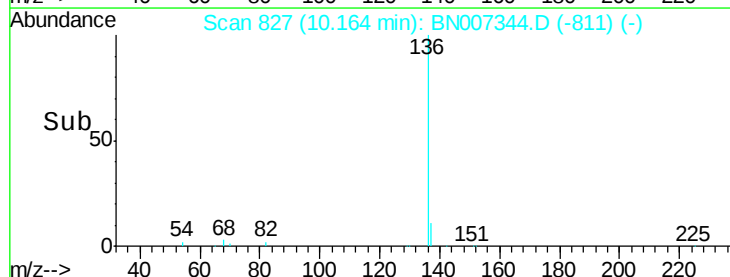
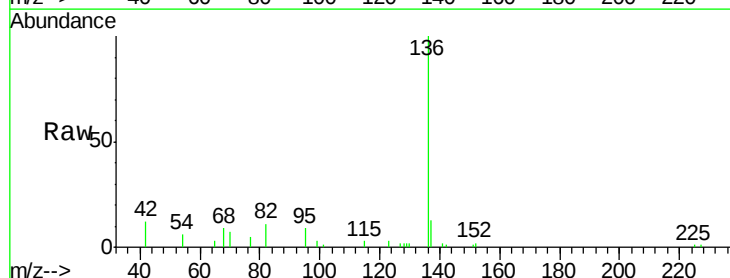
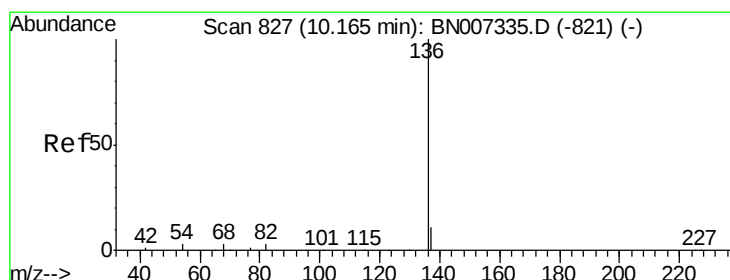
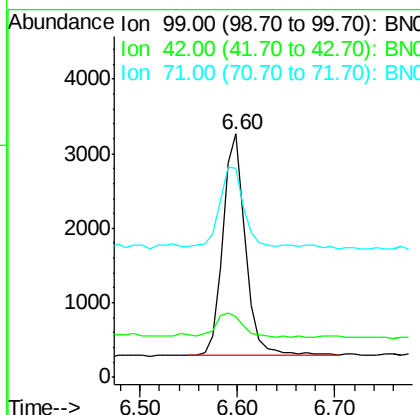
BNA_N

ClientSampleId :

S704-N-0.0-0.5-082119

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#7

Naphthalene-d8

Concen: 0.400 ng

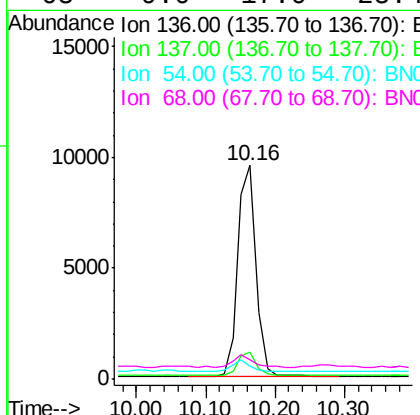
RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tgt Ion:	136	Resp:	17613
Ion	Ratio	Lower	Upper
136	100		
137	12.6	12.9	19.3#
54	6.2	8.6	12.8#
68	9.0	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.258 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Instrument :

BNA_N

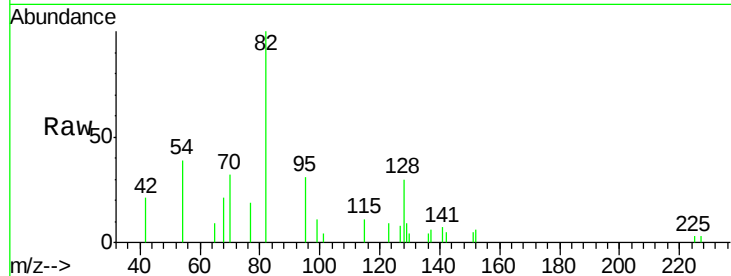
ClientSampleId :

S704-N-0.0-0.5-082119

Tot Ion:	82	Resp:	3955
Ion Ratio	Lower	Upper	
82	100		
128	30.4	19.7	29.5#
54	38.5	25.8	38.6

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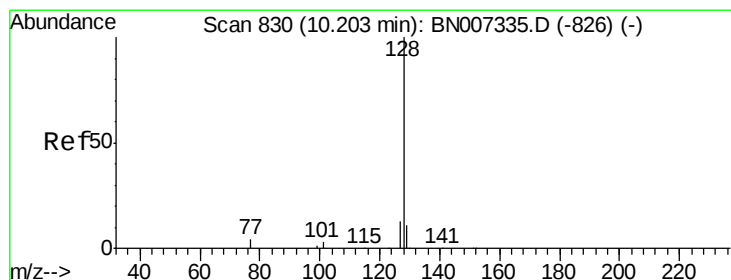
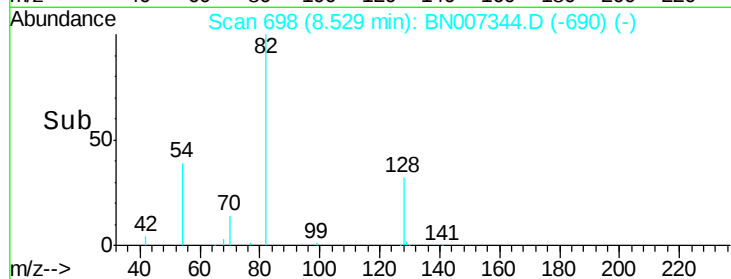
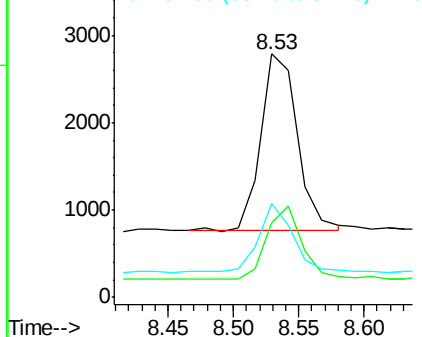
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Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#9

Naphthalene

Concen: 0.134 ng

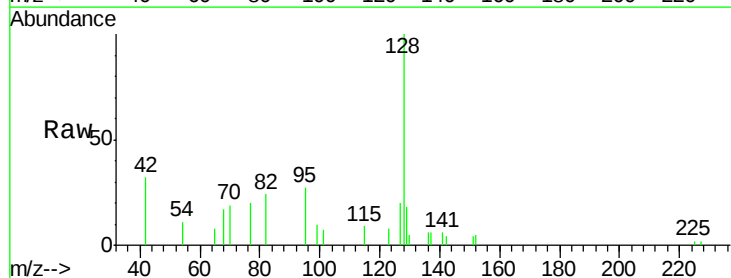
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

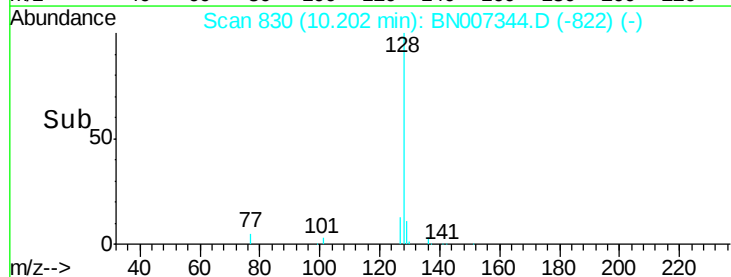
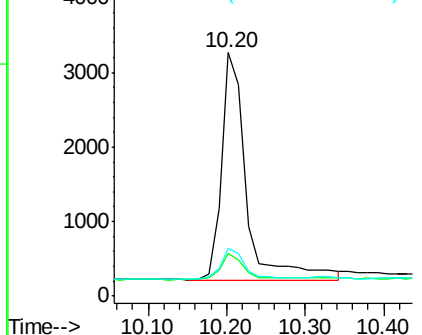
Tgt Ion:	128	Resp:	6746
Ion Ratio	Lower	Upper	
128	100		
129	17.5	11.1	16.7#
127	19.6	15.5	23.3



Abundance Ion 128.00 (127.70 to 128.70): BNC

Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC





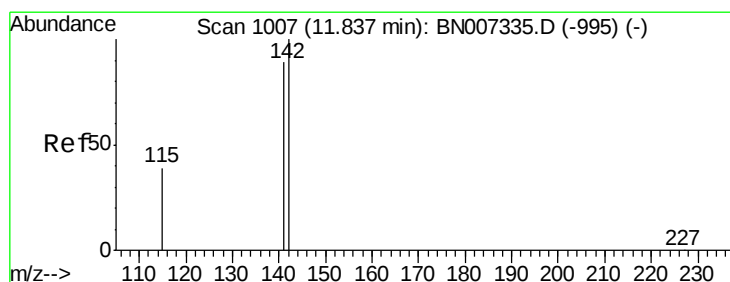
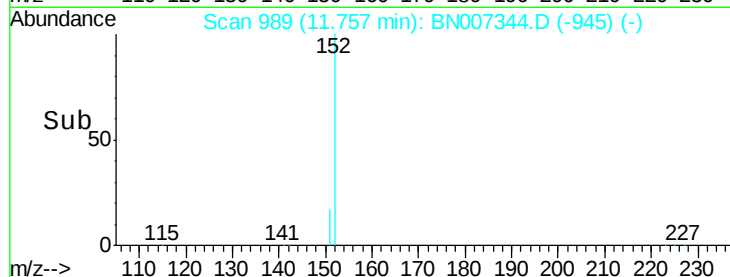
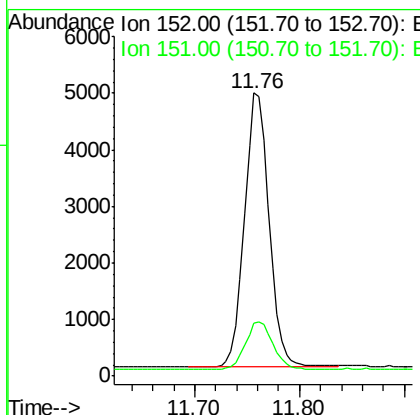
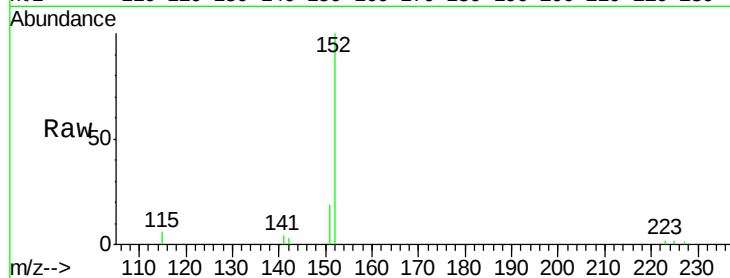
#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		7908		
151	19.3	16.2	24.2		

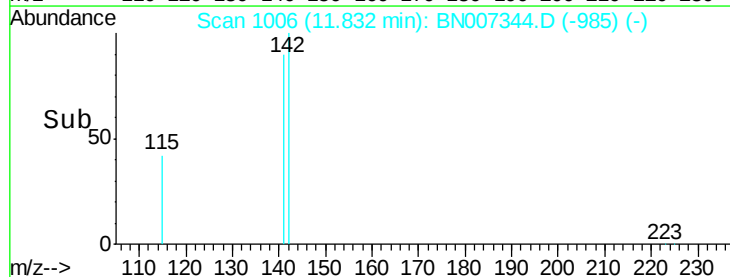
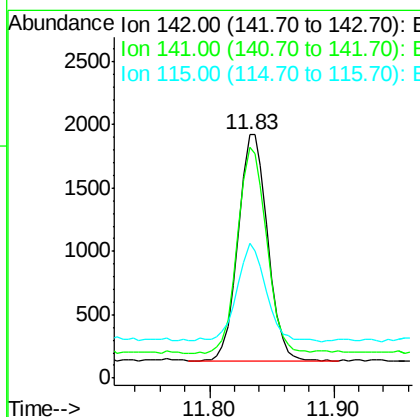
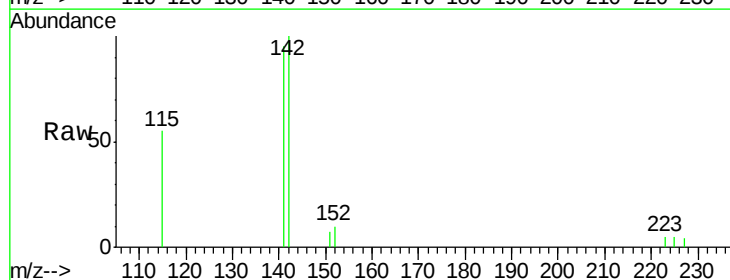
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#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
142	100		2960		
141	94.7	72.8	109.2		
115	55.5	35.2	52.8#		





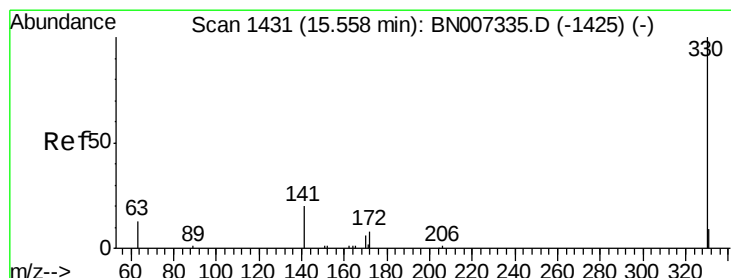
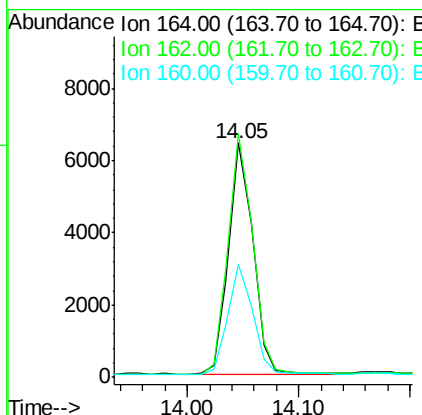
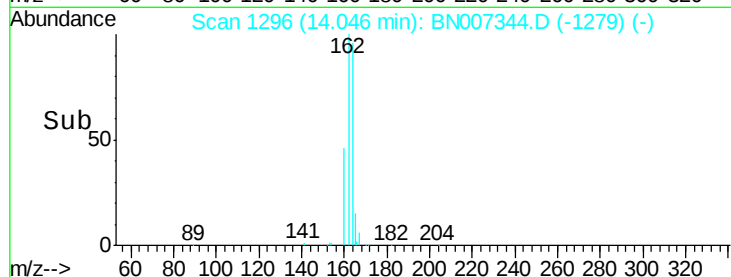
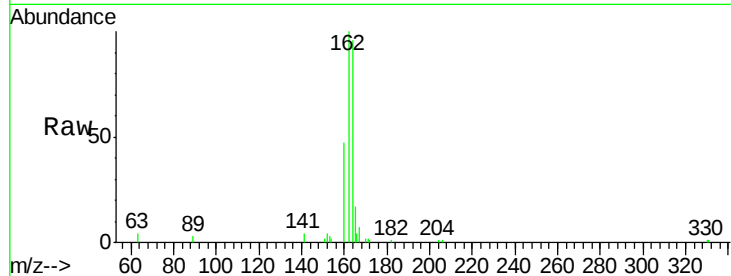
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.5	125.3
160	48.4	38.2	57.4

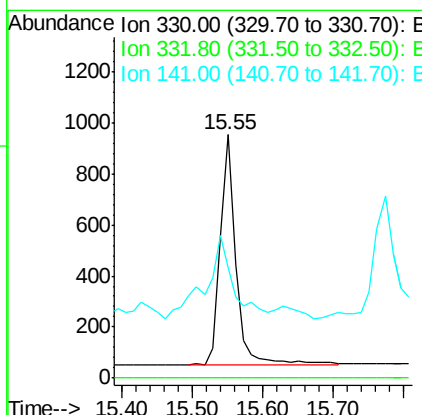
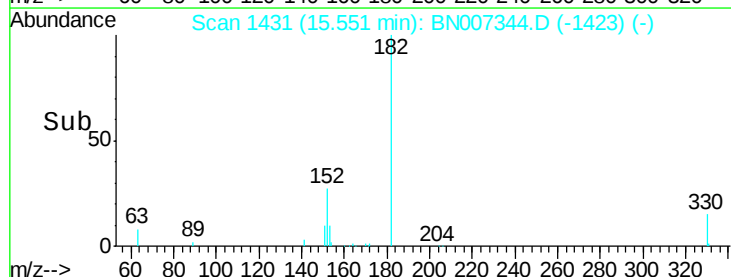
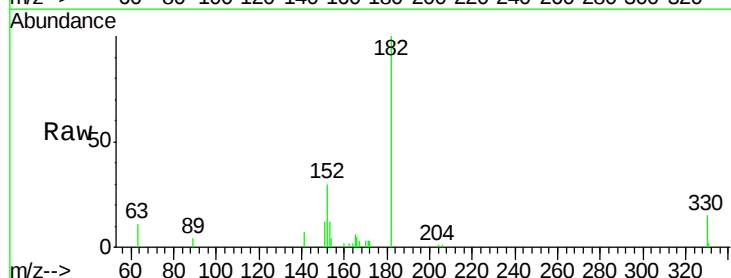
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#14
2,4,6-Tribromophenol
Concen: 0.290 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	49.7	26.9	40.3





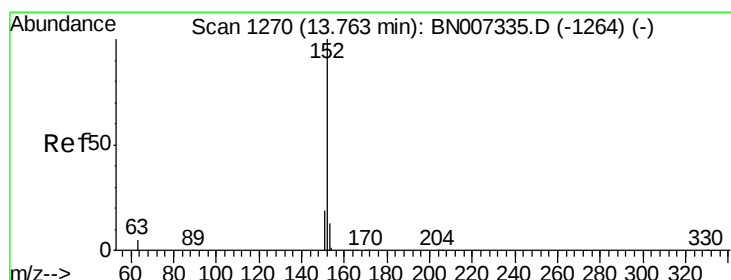
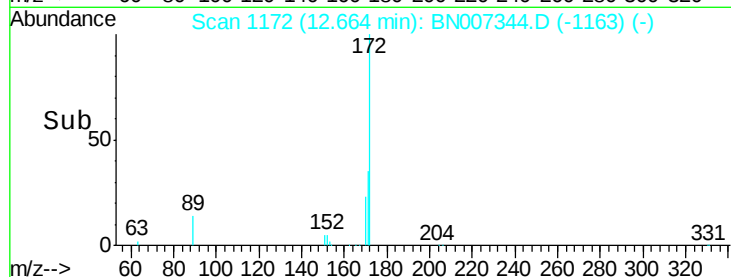
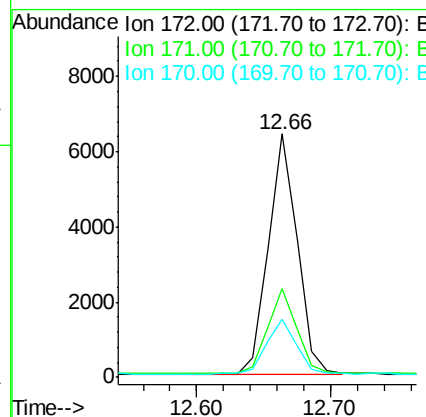
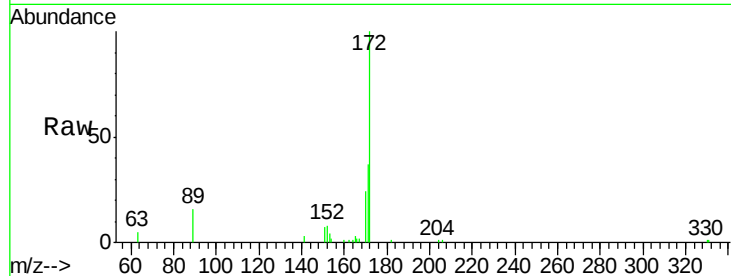
#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.3	45.5
170	23.9	20.7	31.1

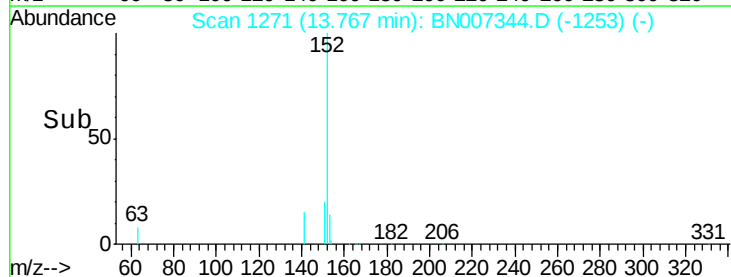
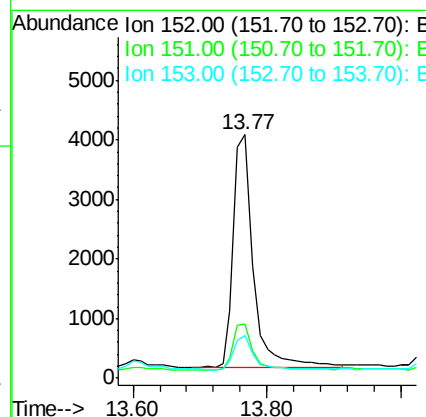
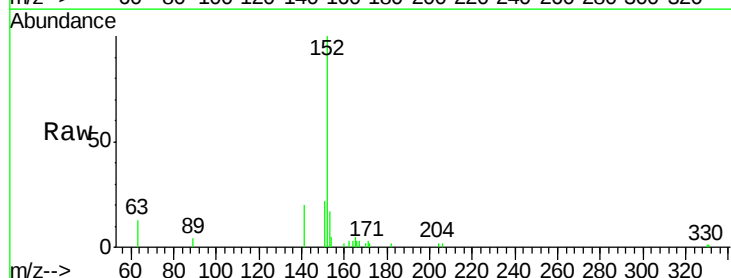
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#16
Acenaphthylene
Concen: 0.141 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.1	24.1
153	14.2	10.6	15.8





#17

Acenaphthene

Concen: 1.295 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Instrument :

BNA_N

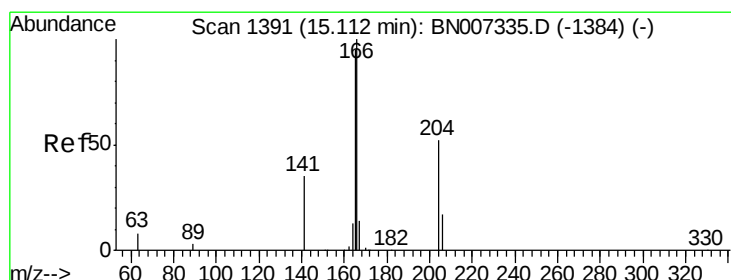
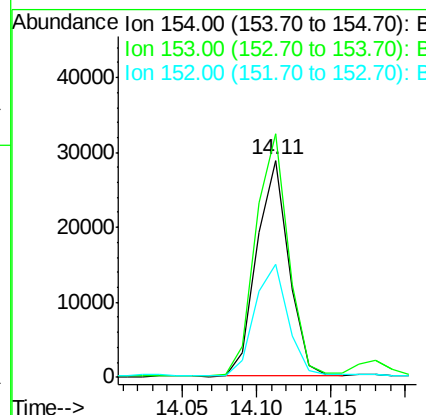
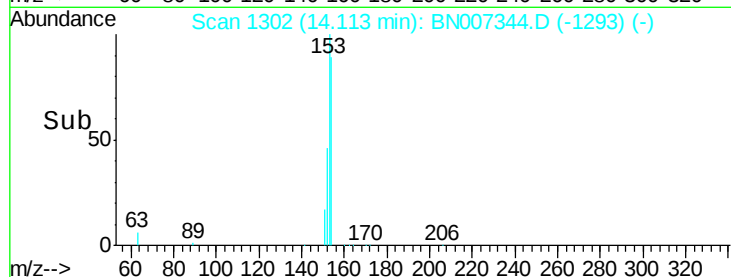
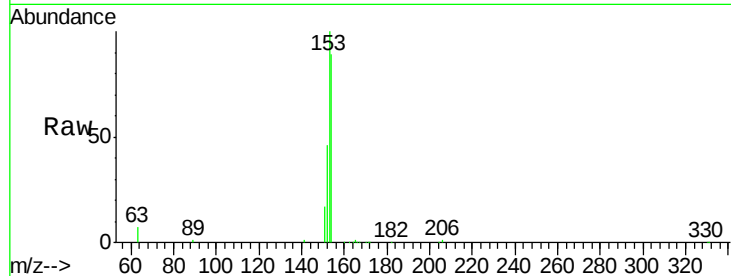
ClientSampleId :

S704-N-0.0-0.5-082119

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.6	92.8	139.2
152	54.3	43.8	65.8

Manual Integrations
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#18

Fluorene

Concen: 1.027 ng

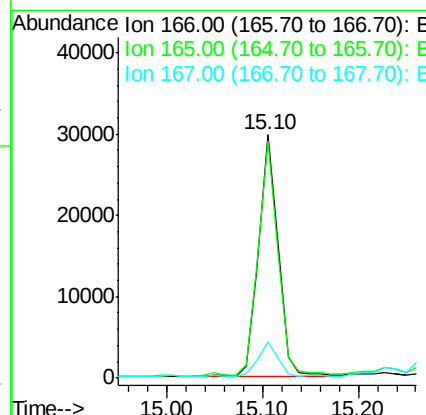
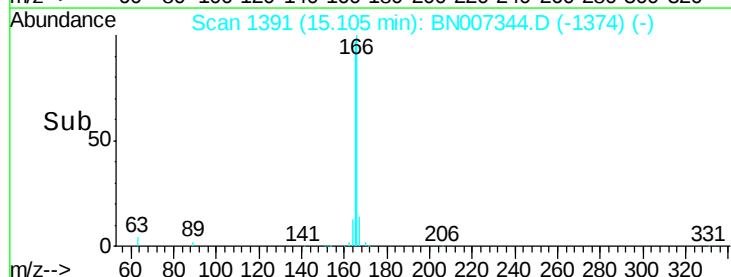
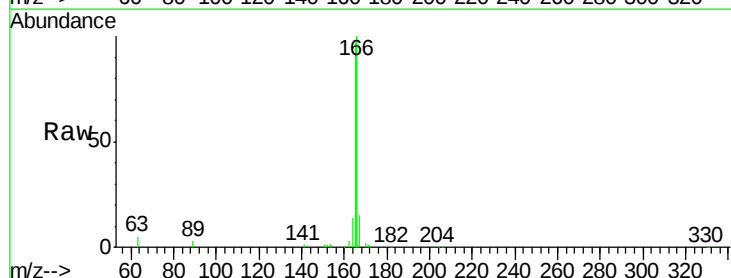
RT: 15.10 min Scan# 1391

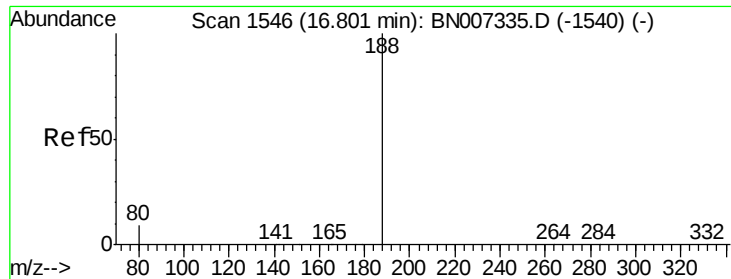
Delta R.T. -0.01 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.0	118.4
167	14.7	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Instrument :

BNA_N

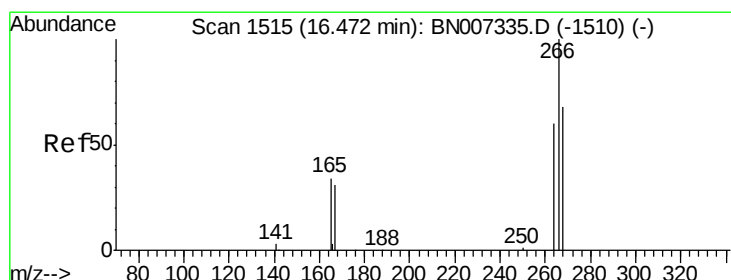
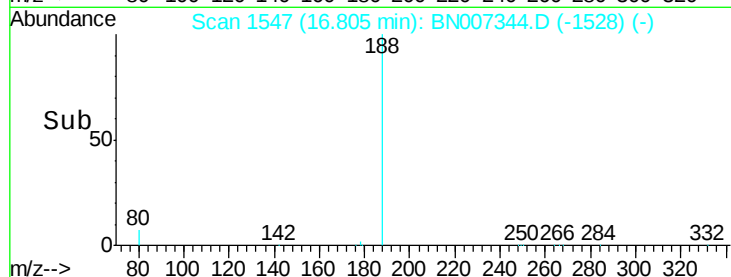
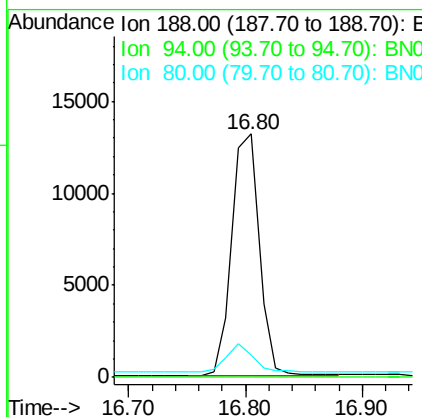
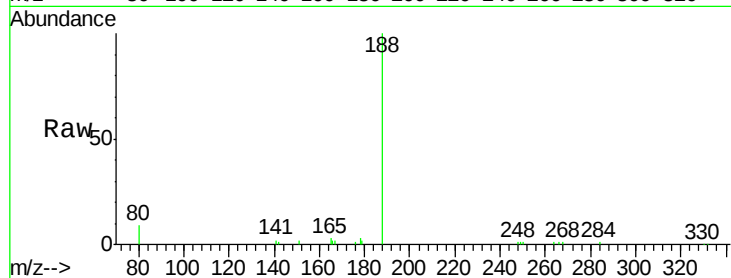
ClientSampleId :

S704-N-0.0-0.5-082119

Tot Ion:	188	Resp:	21536
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.3	11.8	17.8#

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#22

Pentachlorophenol

Concen: 0.036 ng

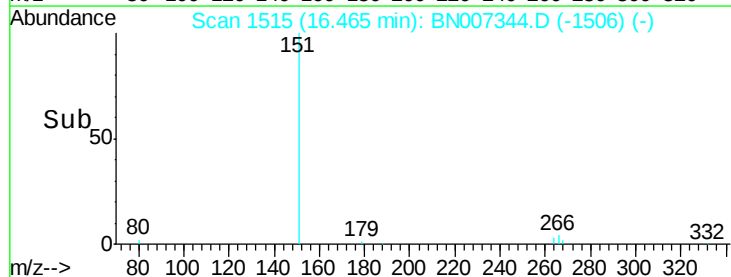
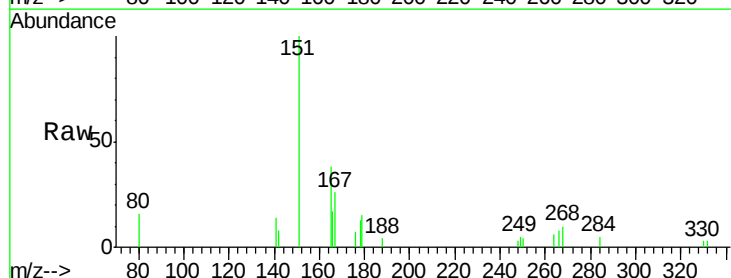
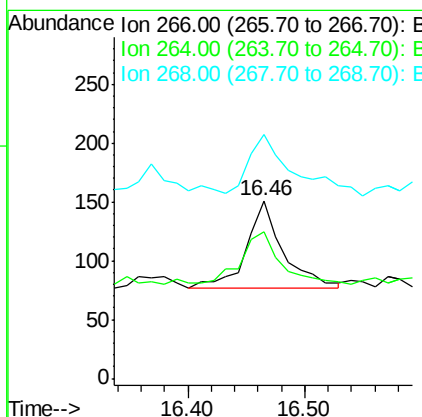
RT: 16.46 min Scan# 1515

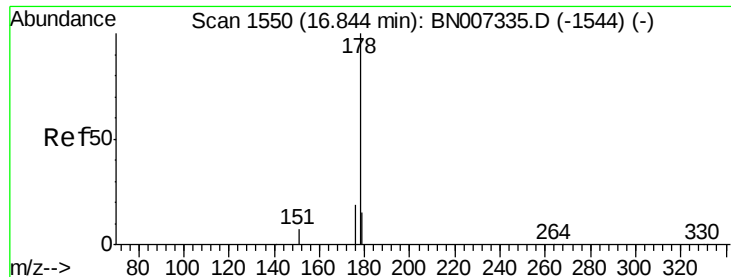
Delta R.T. -0.01 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tgt Ion:	266	Resp:	162
Ion Ratio	Lower	Upper	
266	100		
264	82.8	57.8	86.8
268	137.1	99.7	149.5





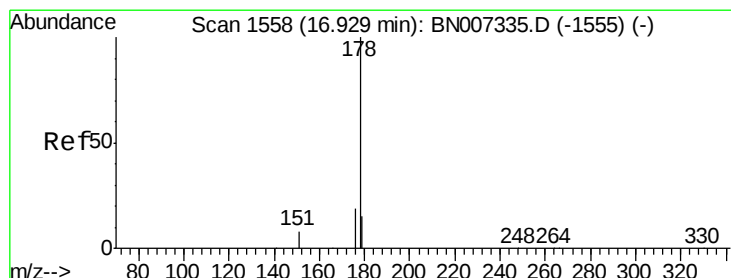
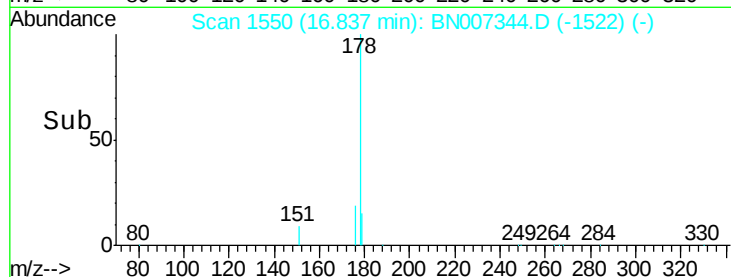
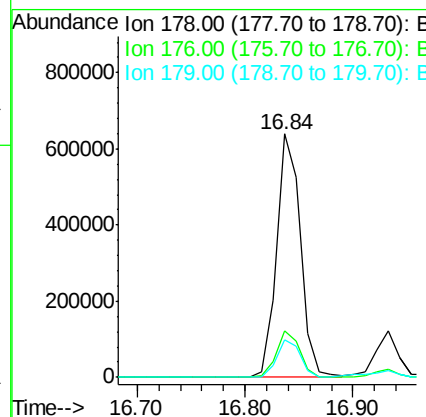
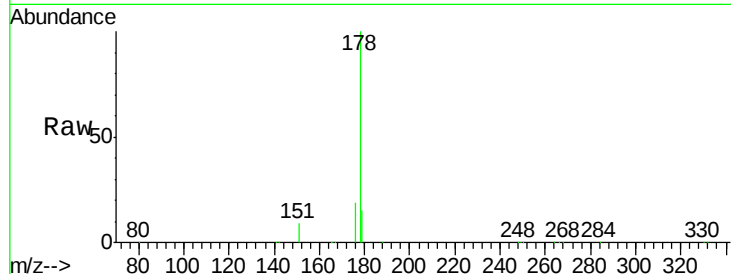
#23
Phenanthrene
Concen: 14.984 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.6	19.0

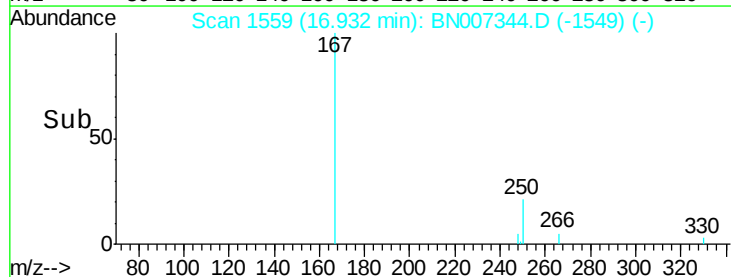
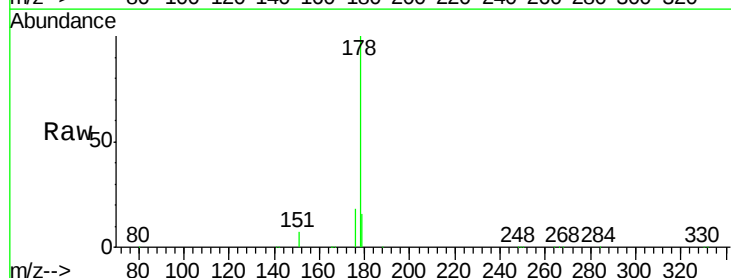
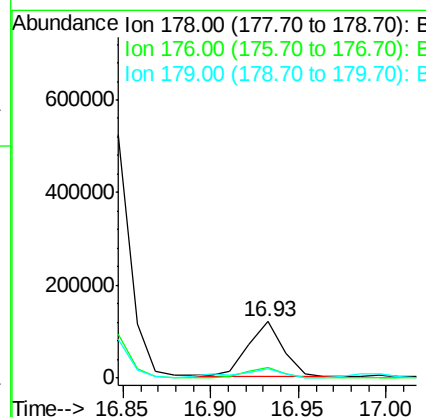
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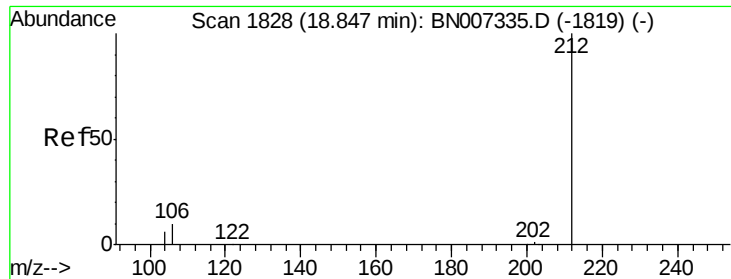
mohammad
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#24
Anthracene
Concen: 2.512 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	21.5	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.251 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Instrument :

BNA_N

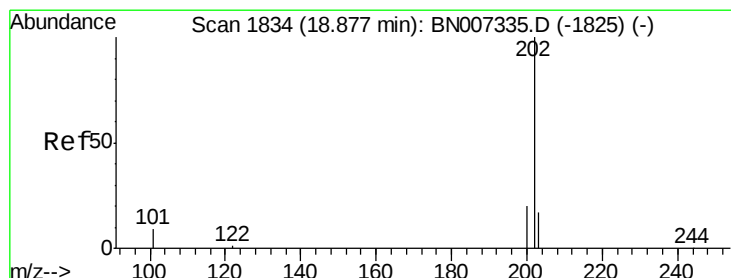
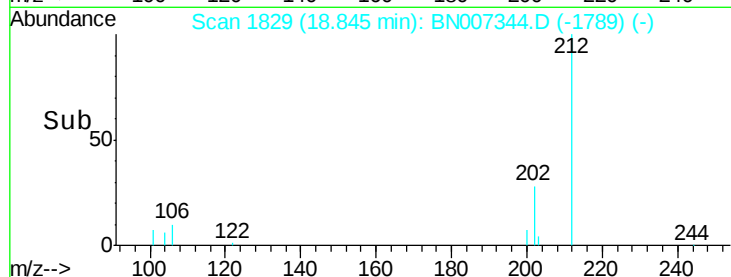
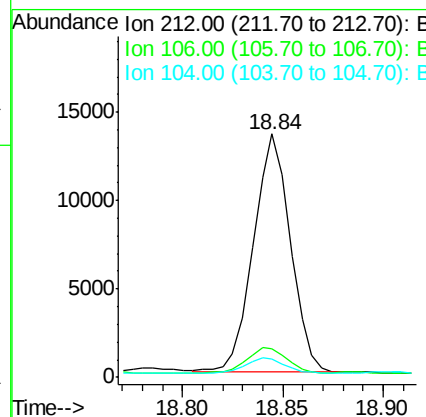
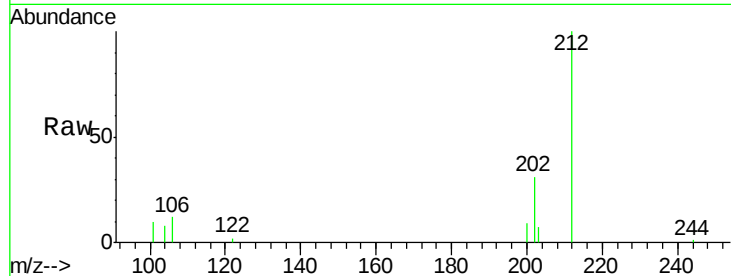
ClientSampleId :

S704-N-0.0-0.5-082119

Tot Ion:	212	Resp:	17418
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.0	13.4
104	7.0	5.4	8.2

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#26

Fluoranthene

Concen: 24.576 ng

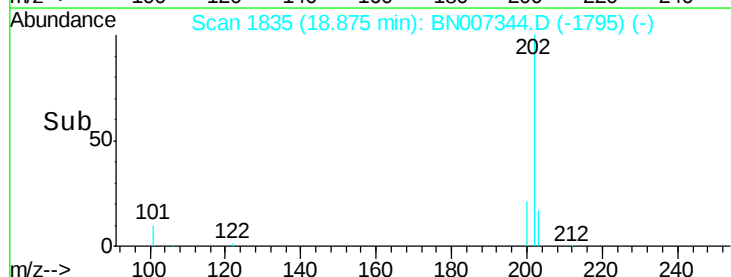
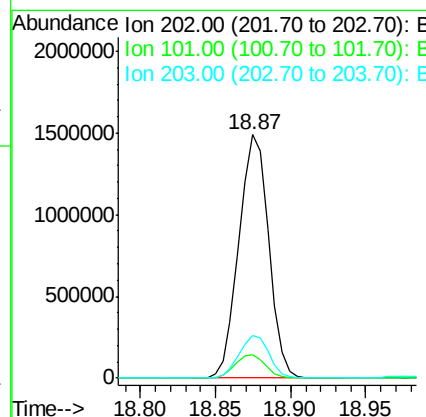
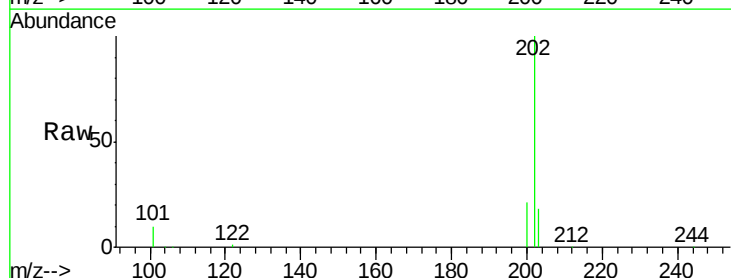
RT: 18.87 min Scan# 1835

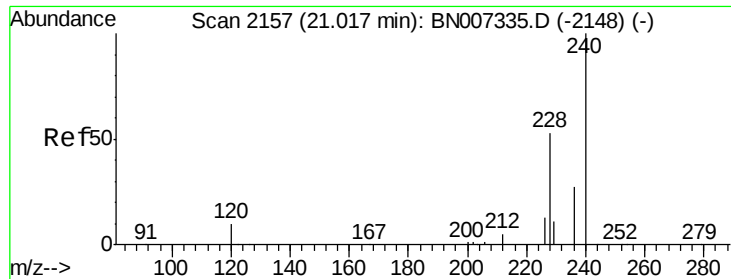
Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tgt Ion:	202	Resp:	2044055
Ion Ratio	Lower	Upper	
202	100		
101	9.7	7.7	11.5
203	17.6	13.7	20.5





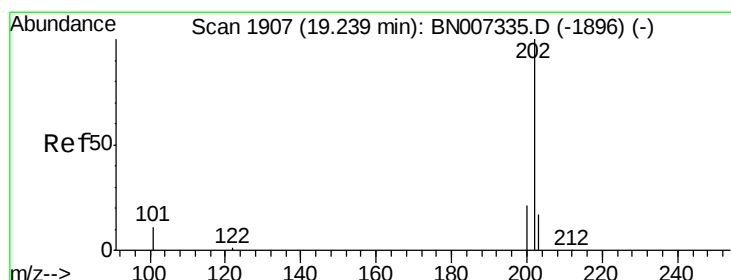
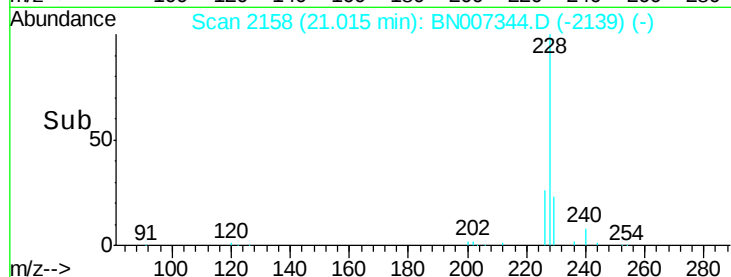
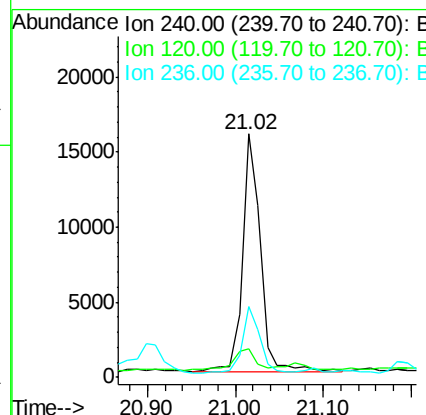
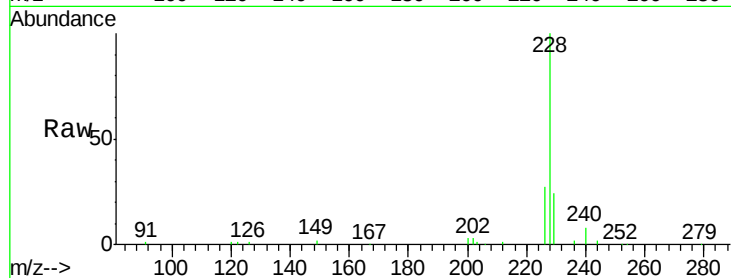
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	28.9	22.2	33.2

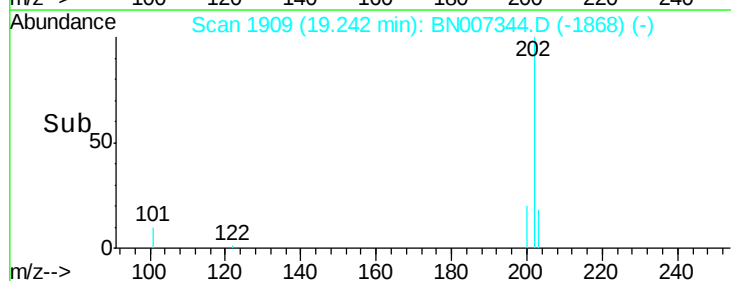
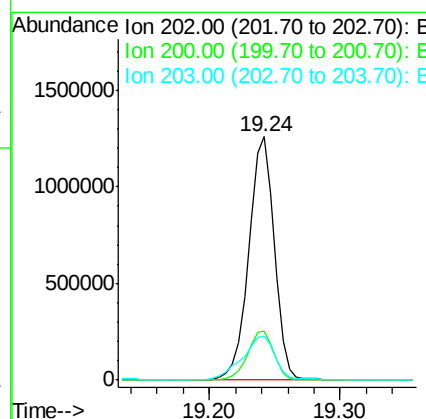
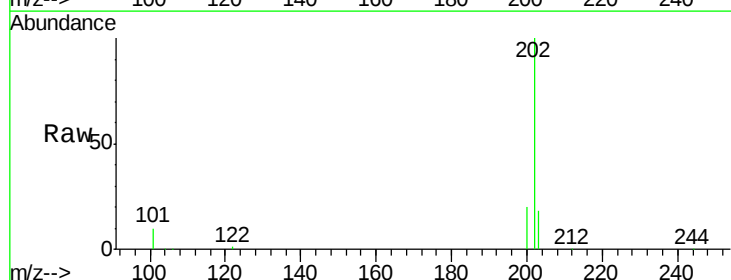
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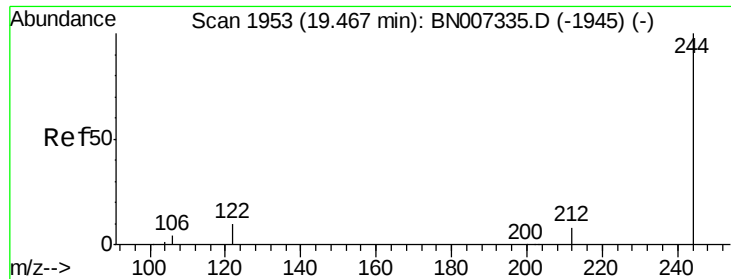
mohammad
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#28
Pyrene
Concen: 19.212 ng
RT: 19.24 min Scan# 1909
Delta R.T. 0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	23.1	14.2	21.4





#29

Terphenyl-d14

Concen: 0.234 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007344.D

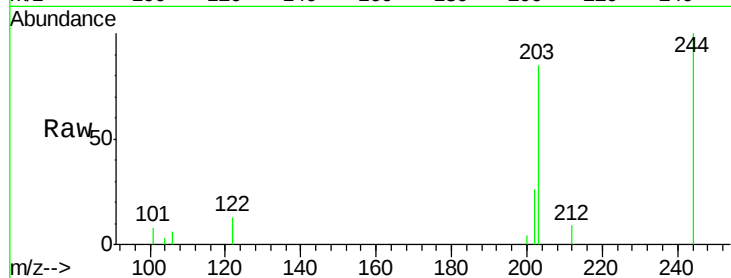
Acq: 24 Aug 2019 01:37

Instrument :

BNA_N

ClientSampleId :

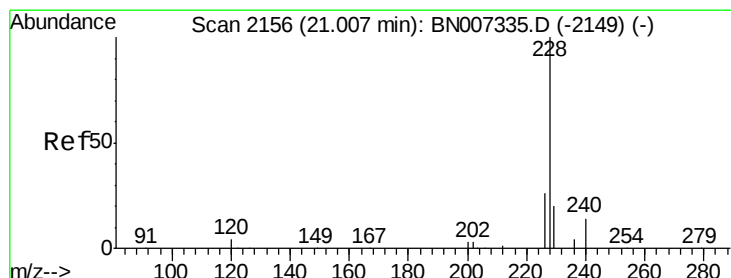
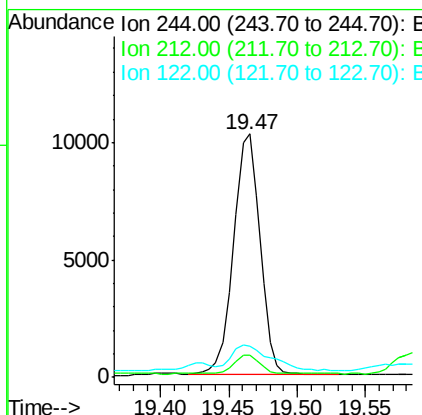
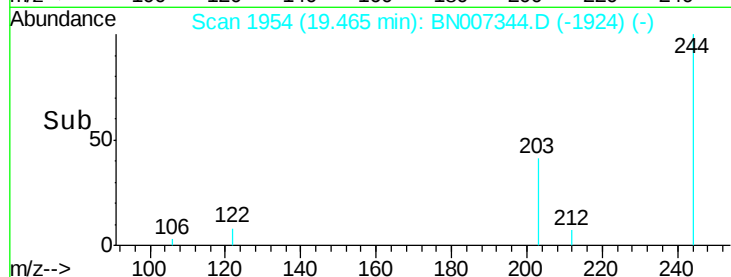
S704-N-0.0-0.5-082119



Tot Ion:	244	Resp:	13759
Ion Ratio	Lower	Upper	
244	100		
212	9.1	7.0	10.6
122	13.0	9.6	14.4

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#30

Benzo(a)anthracene

Concen: 10.690 ng

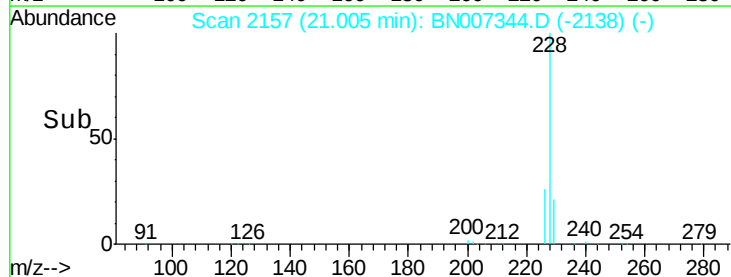
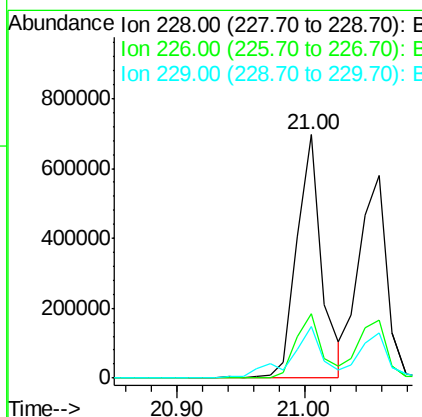
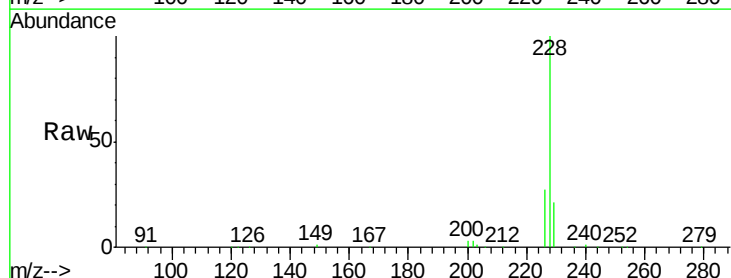
RT: 21.00 min Scan# 2157

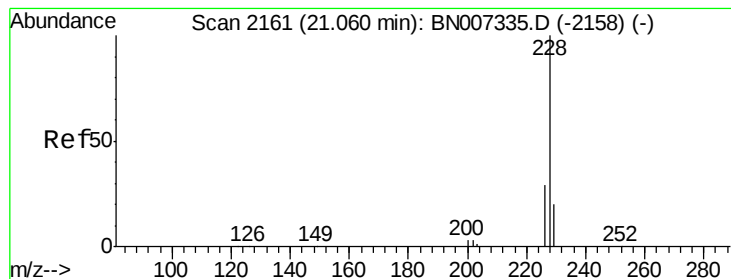
Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tgt Ion:	228	Resp:	941952
Ion Ratio	Lower	Upper	
228	100		
226	26.5	21.3	31.9
229	20.9	16.1	24.1





#31

Chrysene

Concen: 10.204 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Instrument :

BNA_N

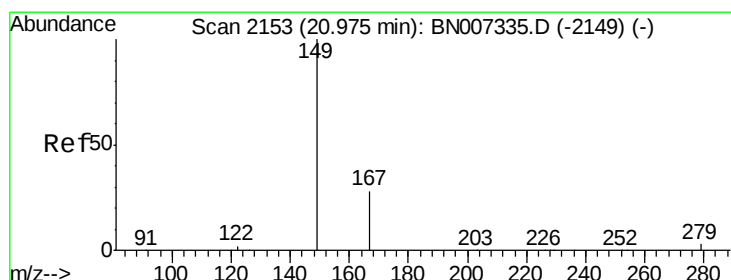
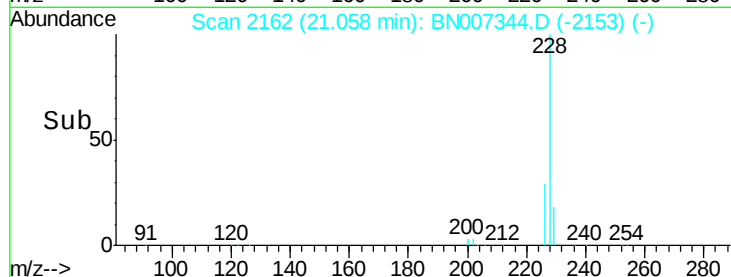
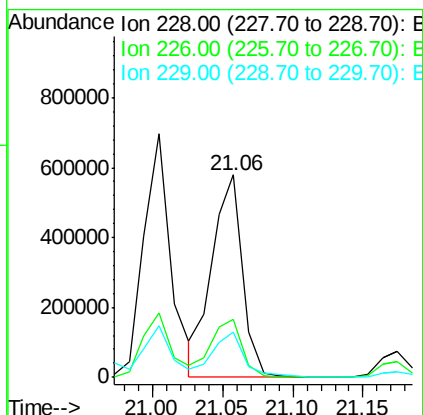
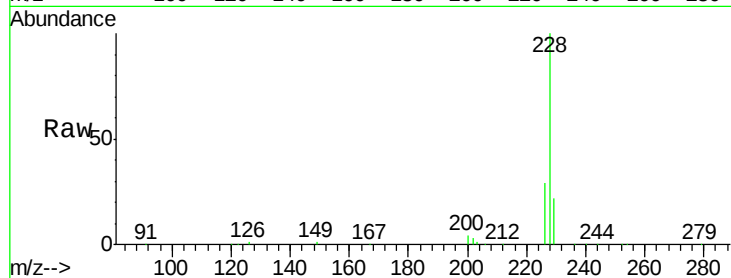
ClientSampleId :

S704-N-0.0-0.5-082119

Tot Ion:	228	Resp:	867853
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.5	35.3
229	22.1	16.6	24.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 1.952 ng

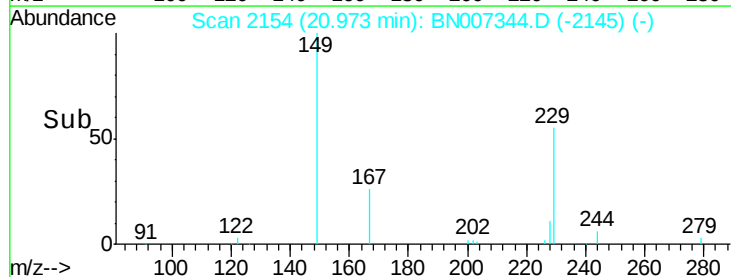
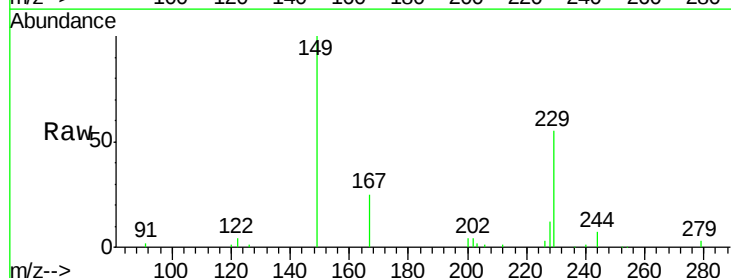
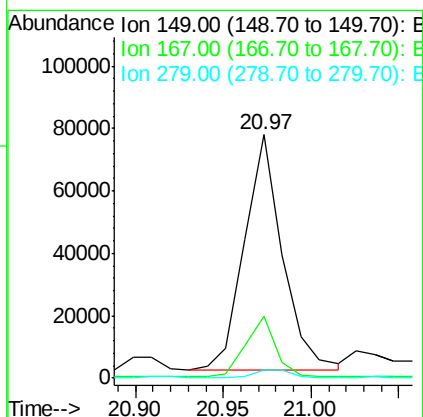
RT: 20.97 min Scan# 2154

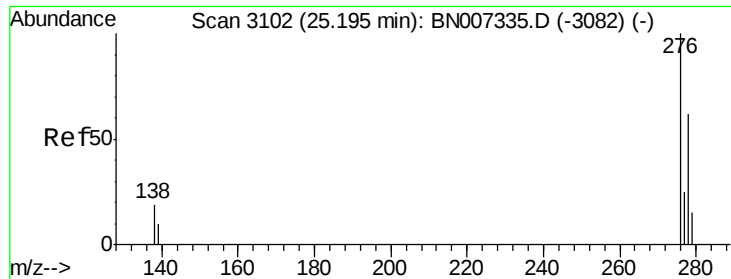
Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tgt Ion:	149	Resp:	112391
Ion Ratio	Lower	Upper	
149	100		
167	19.5	22.8	34.2#
279	3.1	3.5	5.3#





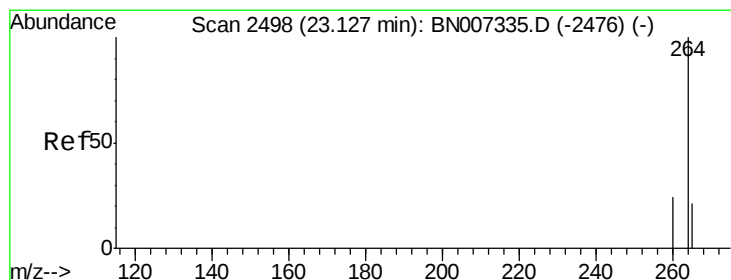
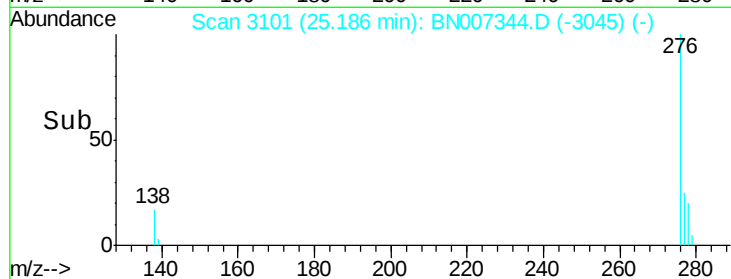
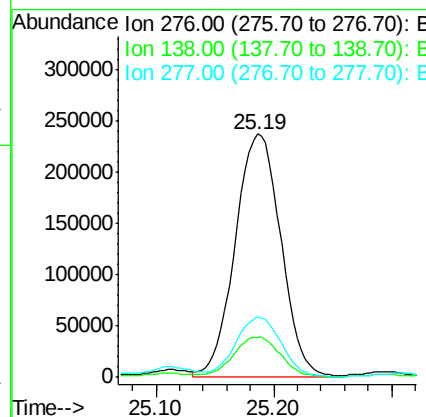
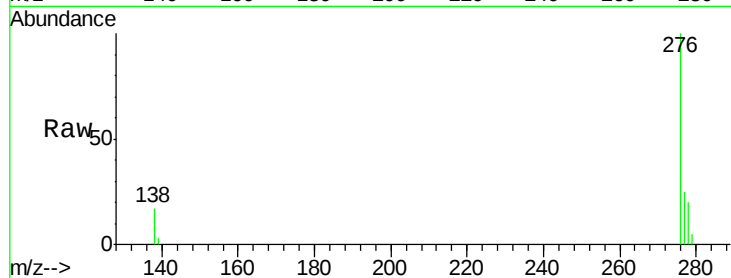
#33
Indeno(1,2,3-cd)pyrene
Concen: 6.243 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.9	15.1	22.7
277	24.5	19.7	29.5

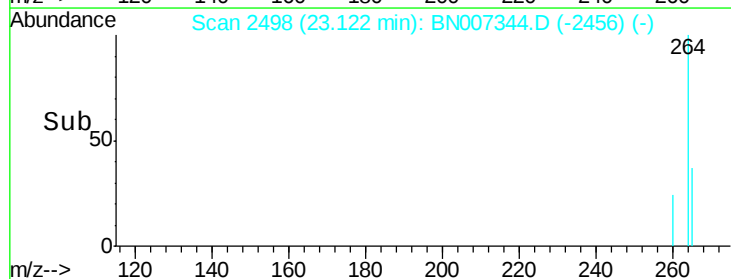
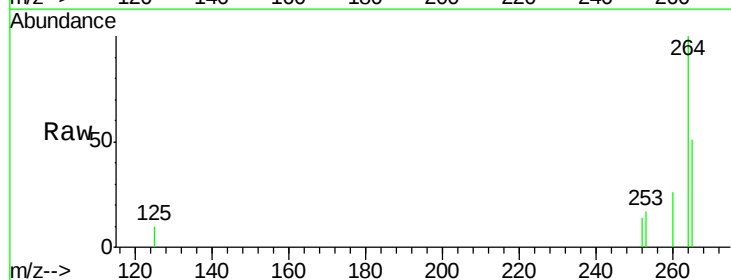
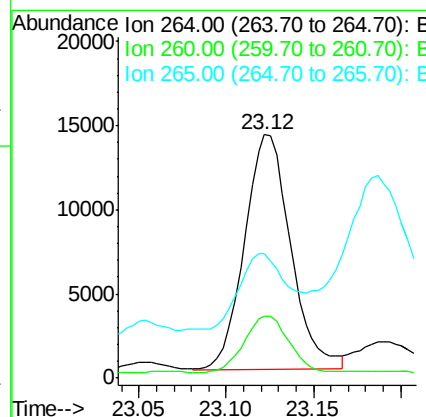
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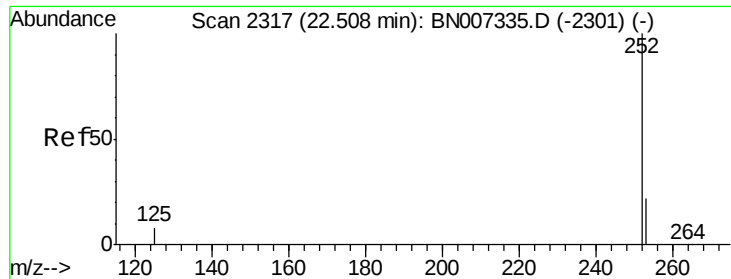
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.7	29.5
265	50.9	29.9	44.9#





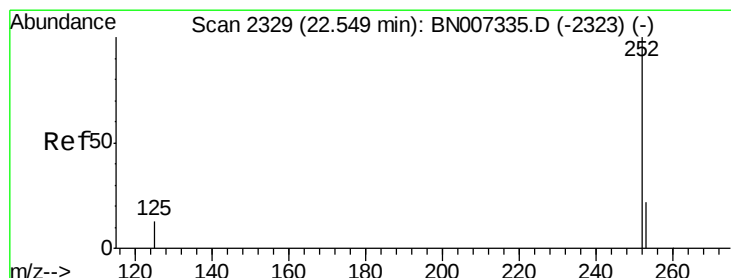
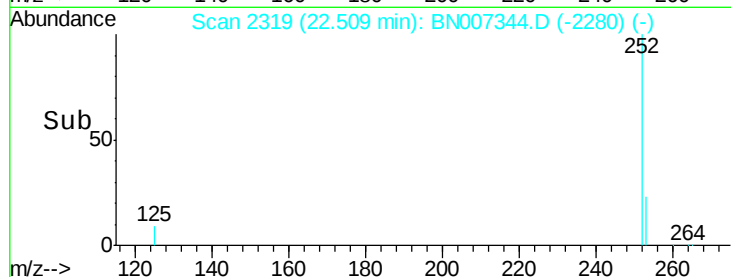
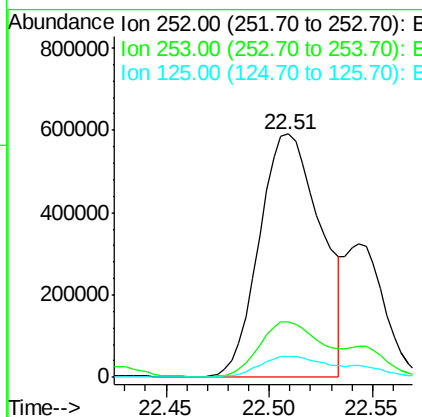
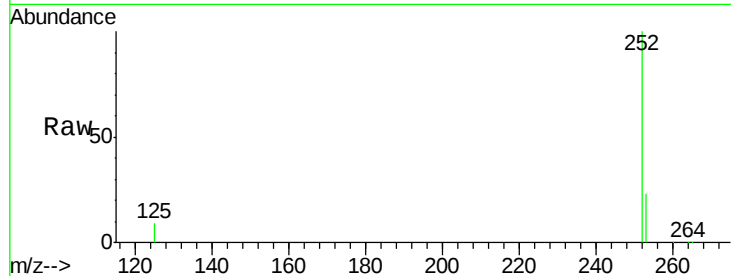
#35
Benzo(b)fluoranthene
Concen: 13.095 ng m
RT: 22.51 min Scan# 2319
Delta R.T. 0.00 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	8.6	10.6	16.0

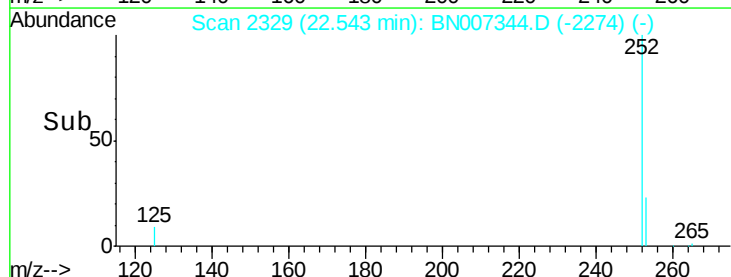
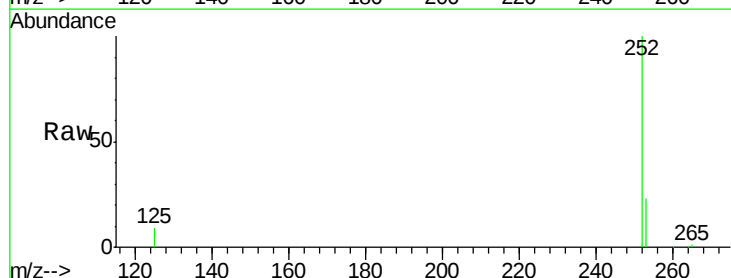
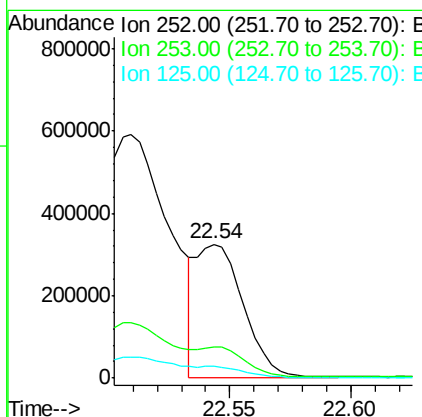
Manual Integrations
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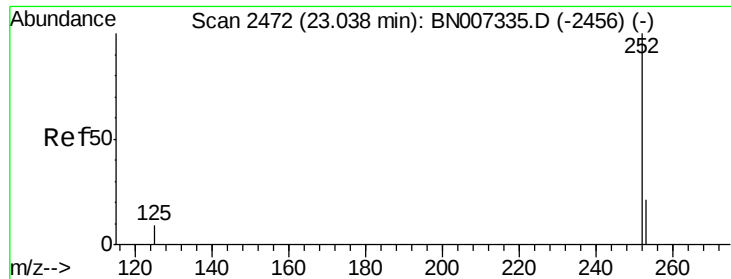
mohammad
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#36
Benzo(k)fluoranthene
Concen: 4.720 ng m
RT: 22.54 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.4	29.2
125	8.7	13.1	19.7





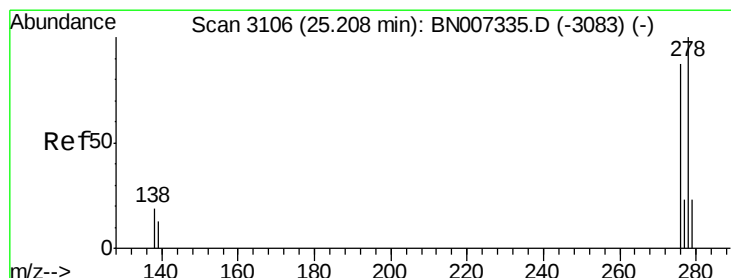
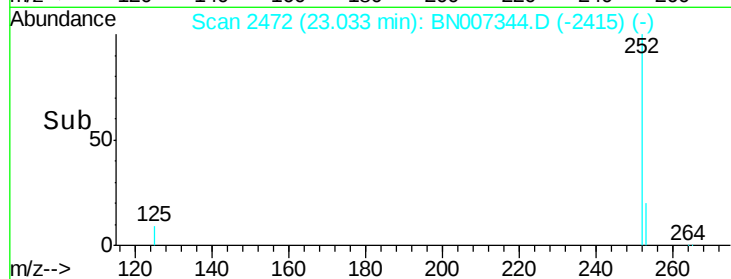
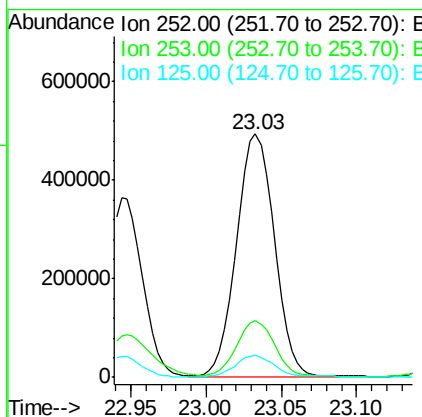
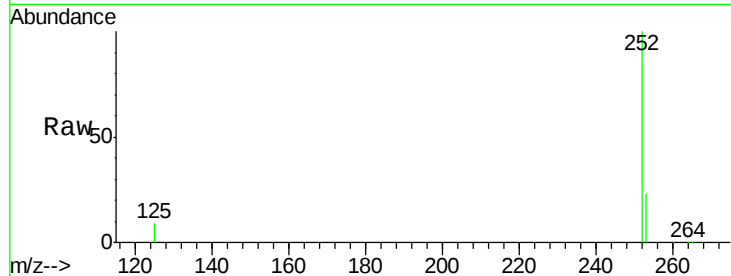
#37
Benzo(a)pyrene
Concen: 9.567 ng
RT: 23.03 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.5	29.3
125	8.9	12.1	18.1

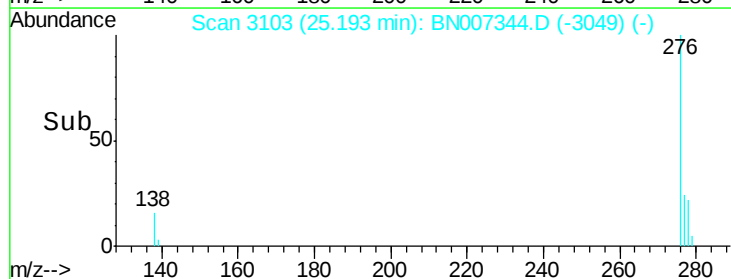
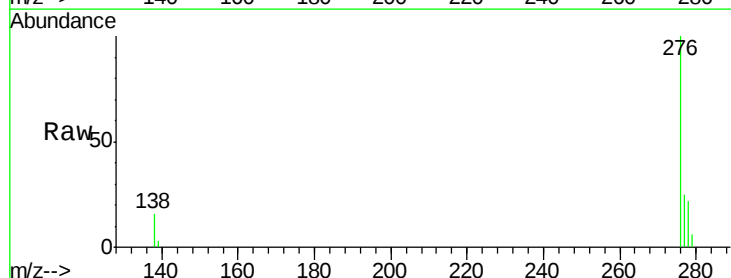
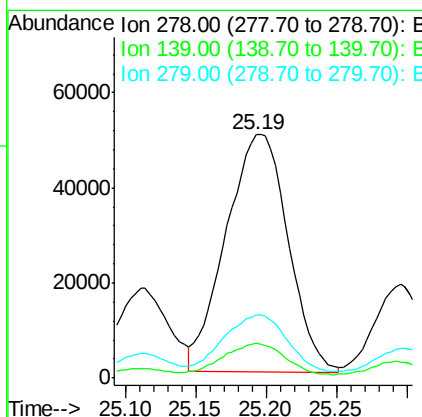
Manual Integrations
APPROVED

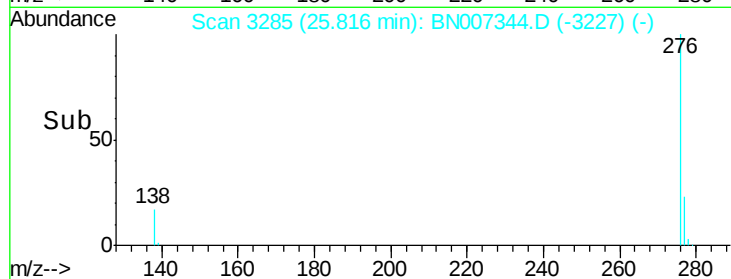
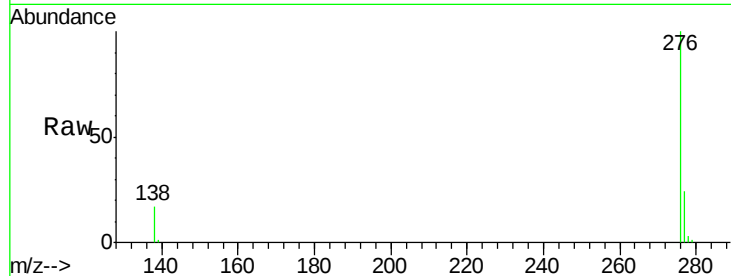
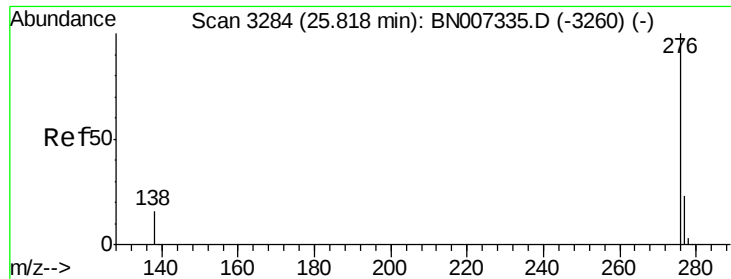
mohammad
8/29/2019 7:59:35 AM



#38
Dibenzo(a,h)anthracene
Concen: 1.742 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007344.D
Acq: 24 Aug 2019 01:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.3	13.7	20.5
279	25.8	20.2	30.4





#39

Benzo(a,h,i)perylene

Concen: 7.139 ng

RT: 25.82 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BN007344.D

Acq: 24 Aug 2019 01:37

Tot Ion:	276	Resp:	626563
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.6	29.4
138	17.3	16.3	24.5

Instrument :

BNA_N

ClientSampleId :

S704-N-0.0-0.5-082119

Manual Integrations
APPROVED

mohammad
8/29/2019 7:59:35 AM

