

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007349.D
 Acq On : 24 Aug 2019 04:38
 Operator : HP/JU
 Sample : K4440-01DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-1.5-2.0-082019DL

Manual Integrations
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mohammad
 8/29/2019 7:59:50 AM

Quant Time: Aug 24 07:59:15 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	5454	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	22211	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	11909	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	26618	0.40	ng	0.00
27) Chrysene-d12	21.02	240	26507	0.40	ng	0.00
34) Perylene-d12	23.12	264	28787	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	855	0.02	ng	0.00
5) Phenol-d6	6.60	99	1065	0.02	ng	0.00
8) Nitrobenzene-d5	8.54	82	823	0.04	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	1612	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	272	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	1937	0.04	ng	0.00
25) Fluoranthene-d10	18.84	212	3413	0.04	ng	0.00
29) Terphenyl-d14	19.47	244	2769	0.04	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	13.77	152	1707	0.024	ng	94
17) Acenaphthene	14.11	154	3971	0.096	ng	97
18) Fluorene	15.10	166	4379	0.084	ng	99
23) Phenanthrene	16.84	178	100100	1.250	ng	99
24) Anthracene	16.93	178	32712	0.406	ng	98
26) Fluoranthene	18.87	202	410968	3.998	ng	99
28) Pyrene	19.24	202	341373	3.201	ng	# 94
30) Benzo(a)anthracene	21.00	228	243280	2.337	ng	99
31) Chrysene	21.06	228	166120	1.653	ng	96
32) Bis(2-ethylhexyl)phthalate	20.97	149	8030	0.100	ng	91
33) Indeno(1,2,3-cd)pyrene	25.19	276	106039	0.876	ng	97
35) Benzo(b)fluoranthene	22.51	252	249296	2.390	ng	# 95
36) Benzo(k)fluoranthene	22.54	252	84837m	0.823	ng	
37) Benzo(a)pyrene	23.03	252	174440m	1.758	ng	
38) Dibenzo(a,h)anthracene	25.19	278	29609	0.299	ng	93
39) Benzo(g,h,i)perylene	25.81	276	92231	0.935	ng	97

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

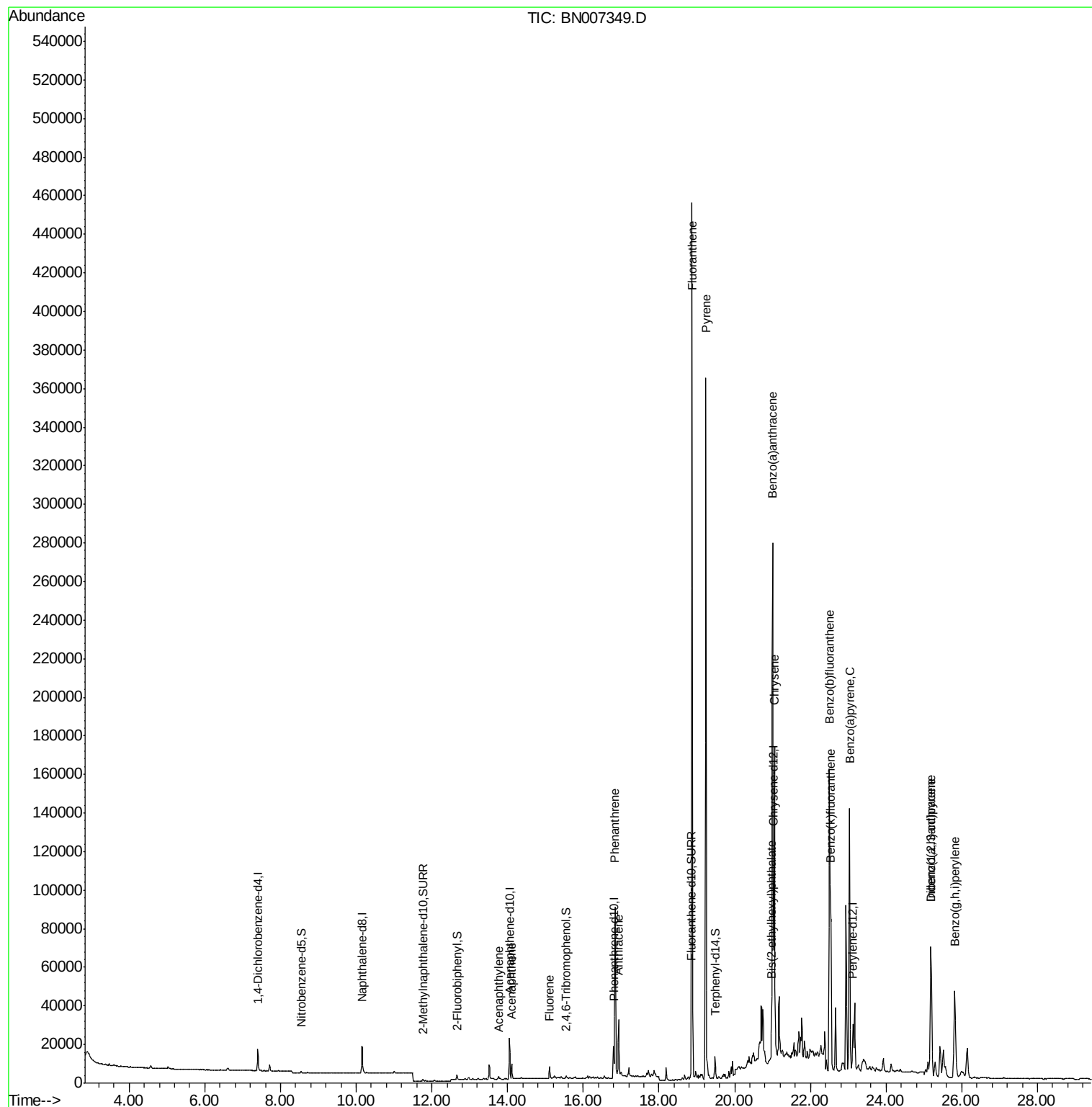
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
Data File : BN007349.D
Acq On : 24 Aug 2019 04:38
Operator : HP/JU
Sample : K4440-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

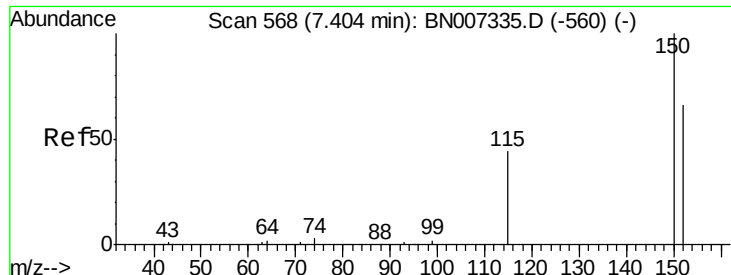
Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019DL

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#1

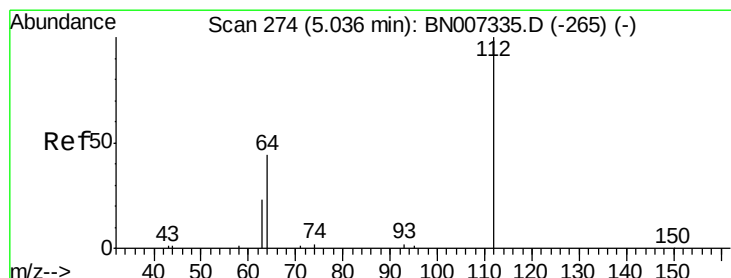
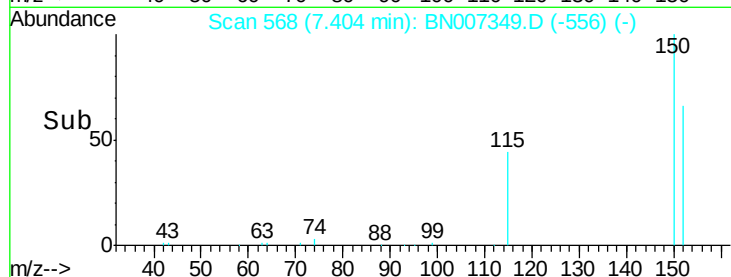
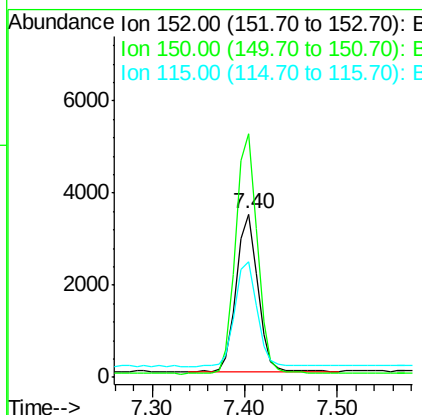
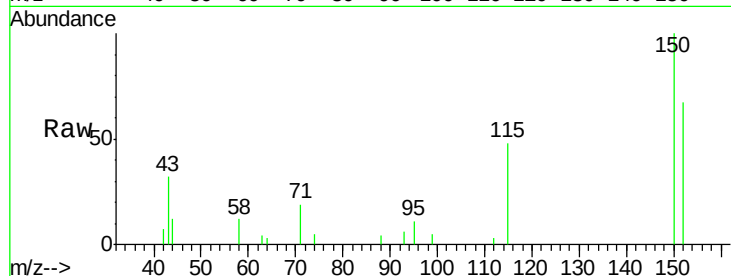
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	109.1	163.7
115	71.1	59.6	89.4

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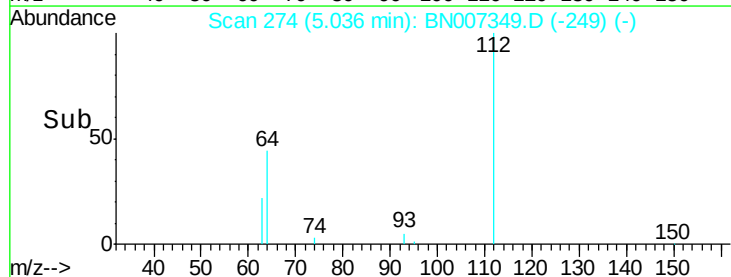
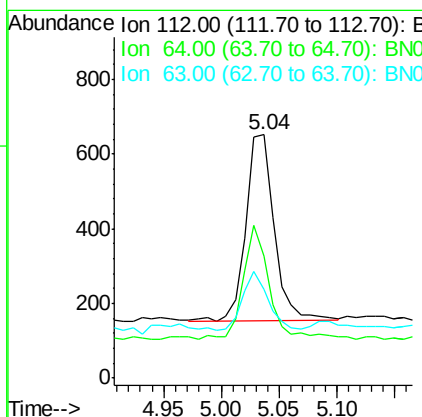
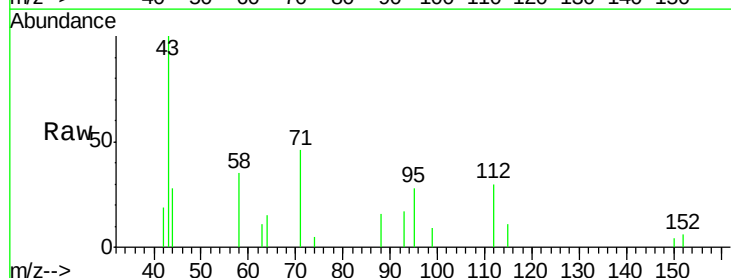
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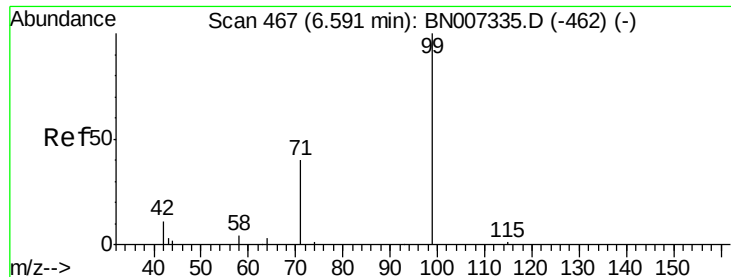


#4

2-Fluorophenol
Concen: 0.018 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	42.3	63.5
63	27.6	23.6	35.4





#5

Phenol-d6

Concen: 0.015 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Instrument :

BNA_N

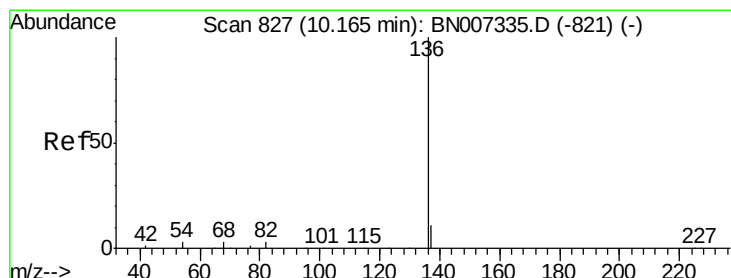
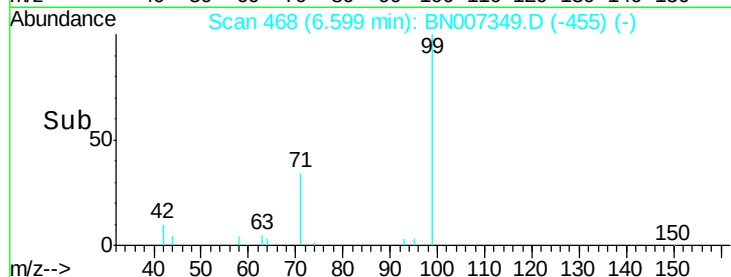
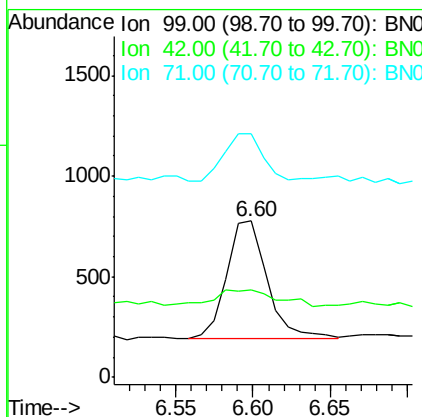
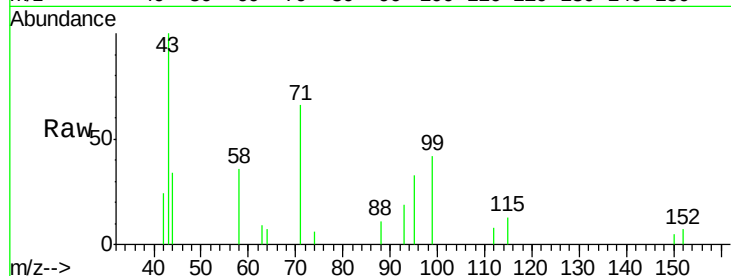
ClientSampleId :

S302-J-1.5-2.0-082019DL

Tot Ion:	99	Resp:	1065
Ion	Ratio	Lower	Upper
99	100		
42	20.2	11.2	16.8#
71	41.5	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

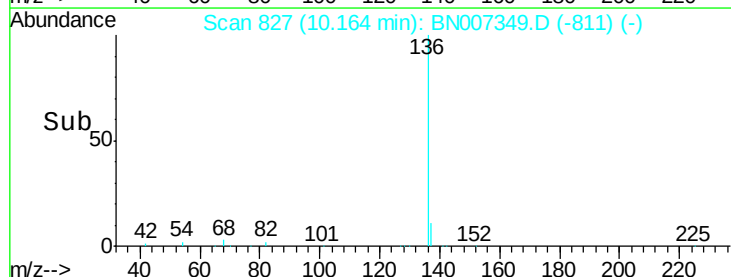
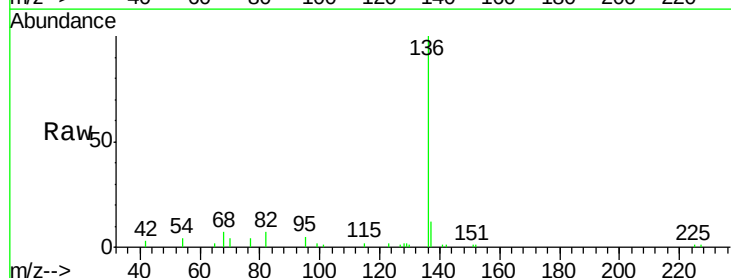
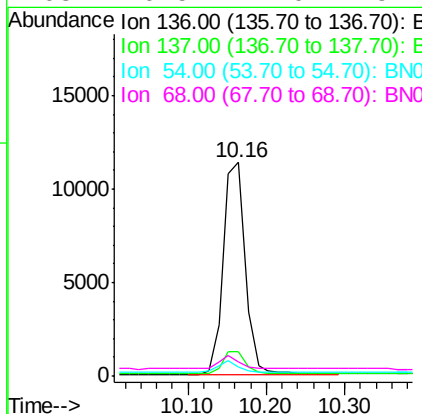
RT: 10.16 min Scan# 827

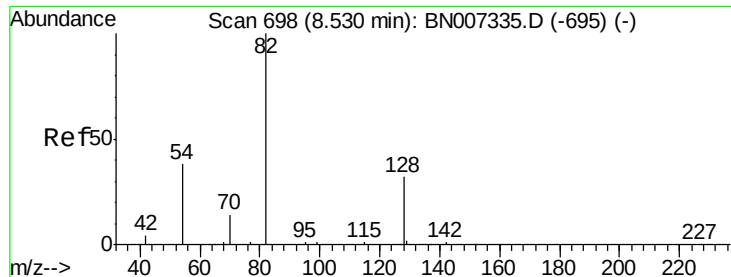
Delta R.T. -0.00 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Tgt Ion:	136	Resp:	22211
Ion	Ratio	Lower	Upper
136	100		
137	11.6	12.9	19.3#
54	4.4	8.6	12.8#
68	6.5	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.043 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Instrument :

BNA_N

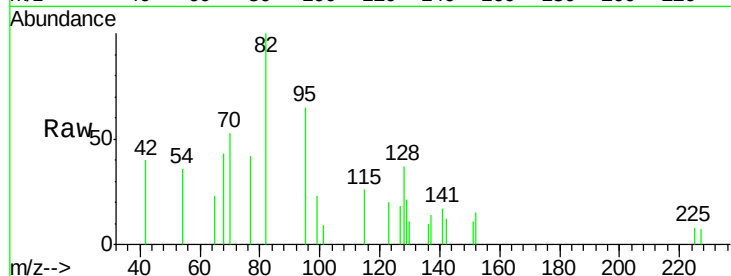
ClientSampleId :

S302-J-1.5-2.0-082019DL

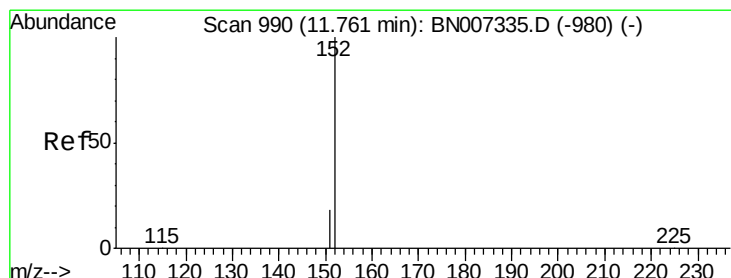
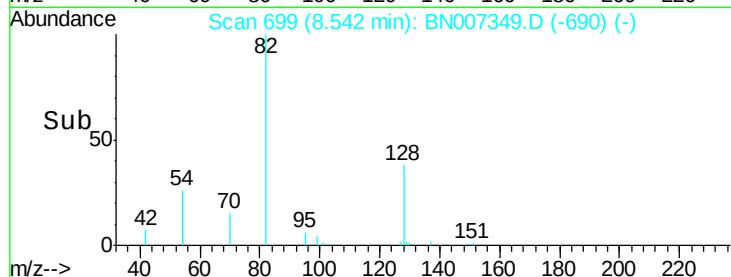
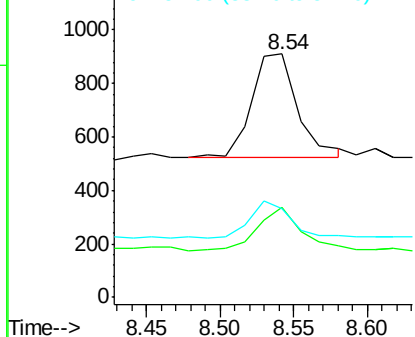
Tot Ion:	82	Resp:	823
Ion Ratio	Lower	Upper	
82	100		
128	37.0	19.7	29.5#
54	36.3	25.8	38.6

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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



#11

2-Methylnaphthalene-d10

Concen: 0.044 ng

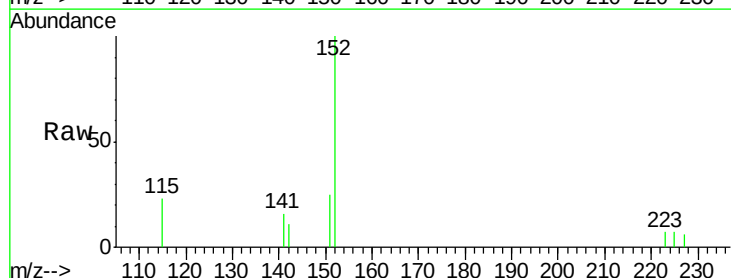
RT: 11.76 min Scan# 990

Delta R.T. -0.00 min

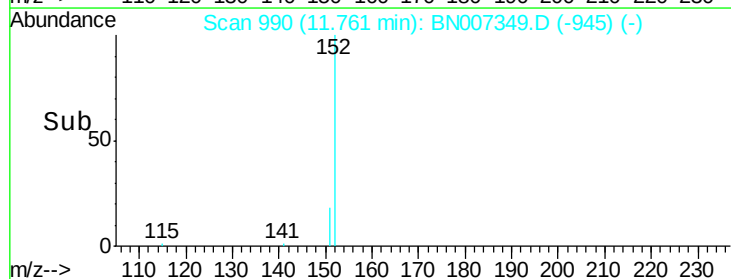
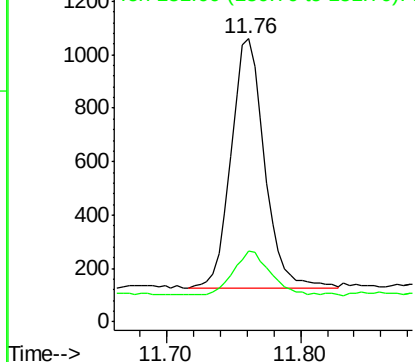
Lab File: BN007349.D

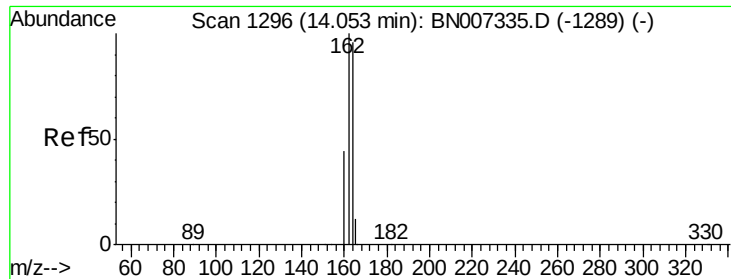
Acq: 24 Aug 2019 04:38

Tgt Ion:	152	Resp:	1612
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.2	24.2



Abundance Ion 152.00 (151.70 to 152.70): BNC
Ion 151.00 (150.70 to 151.70): BNC





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Instrument :

BNA_N

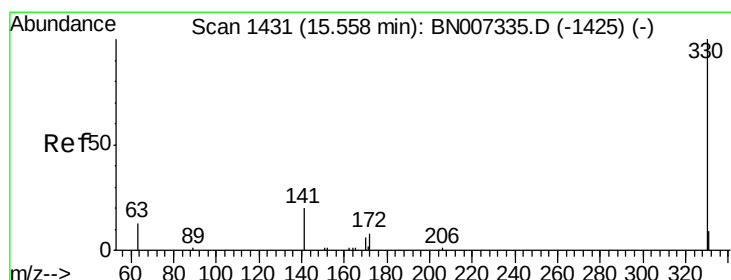
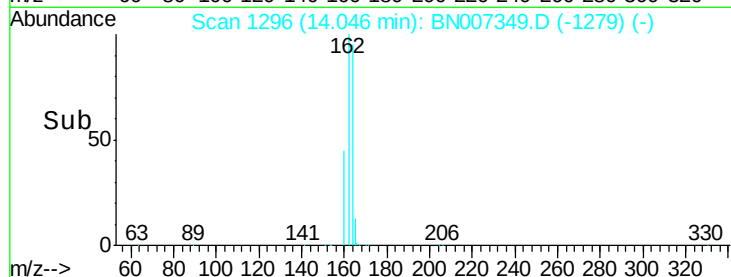
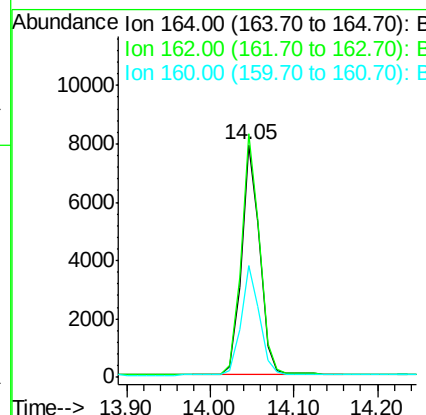
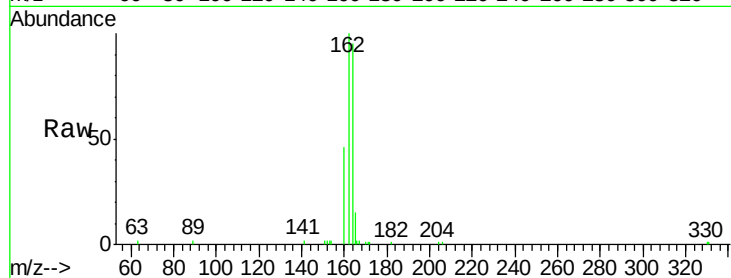
ClientSampleId :

S302-J-1.5-2.0-082019DL

Tot Ion:	164	Resp:	11909
Ion Ratio	Lower	Upper	
164	100		
162	104.7	83.5	125.3
160	48.1	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.044 ng

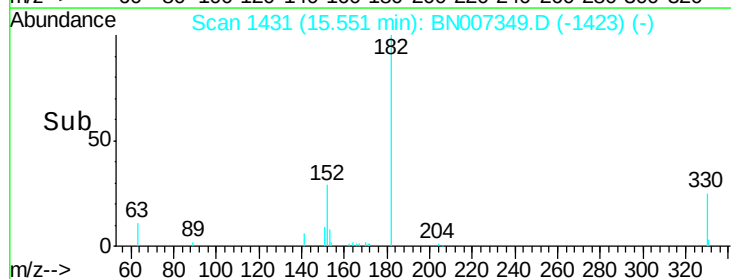
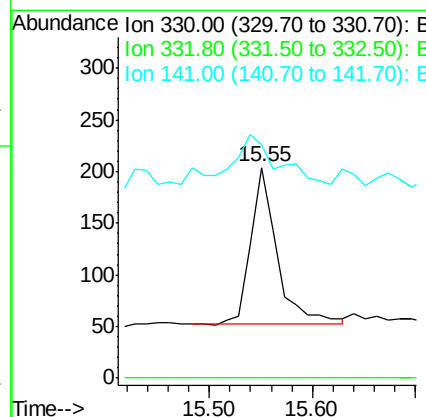
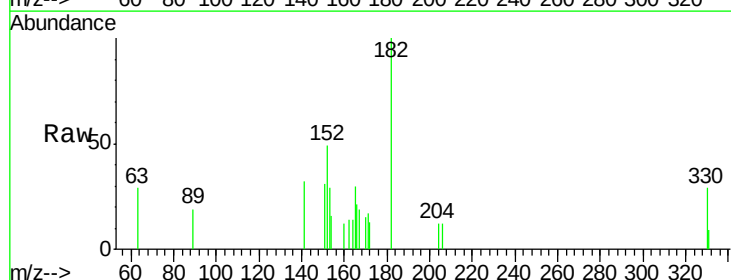
RT: 15.55 min Scan# 1431

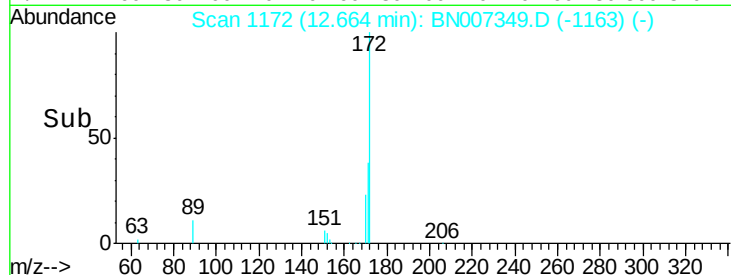
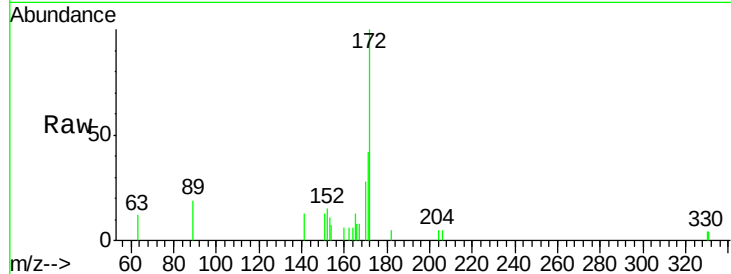
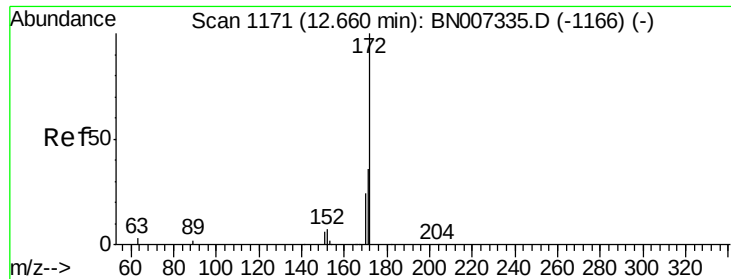
Delta R.T. -0.01 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Tgt Ion:	330	Resp:	272
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	58.1	26.9	40.3#





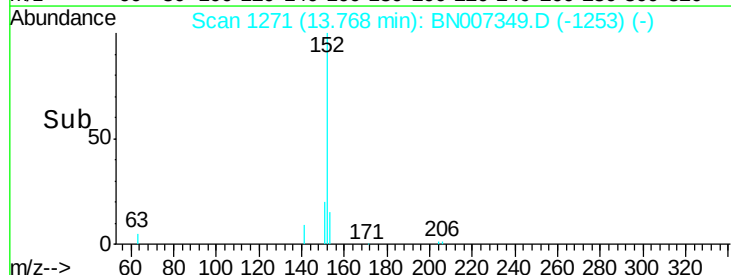
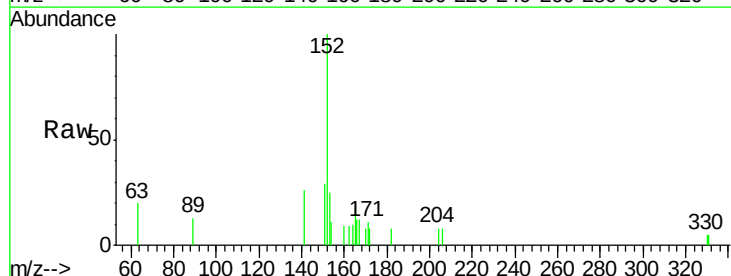
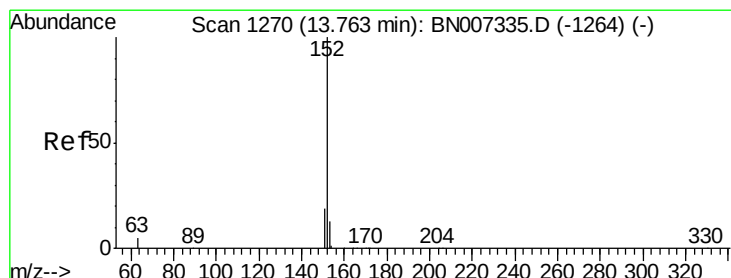
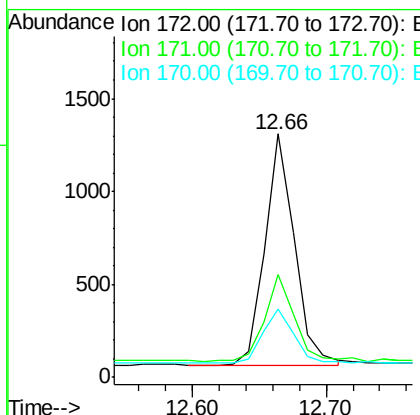
#15
2-Fluorobiphenyl
Concen: 0.040 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Instrument :
BNA_N
ClientSampled :
S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.3	30.3	45.5
170	28.0	20.7	31.1

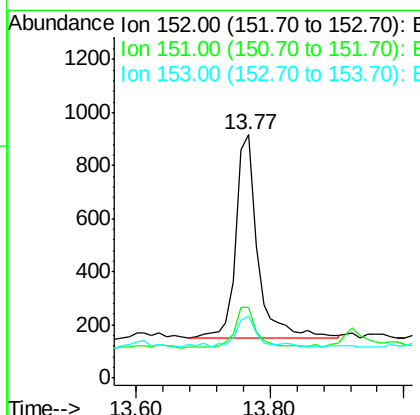
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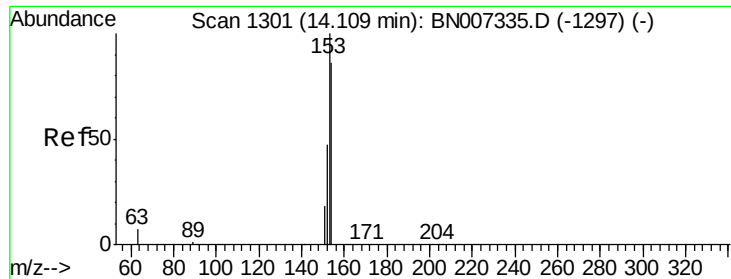
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#16
Acenaphthylene
Concen: 0.024 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.7	16.1	24.1
153	15.3	10.6	15.8





#17

Acenaphthene

Concen: 0.096 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Instrument :

BNA_N

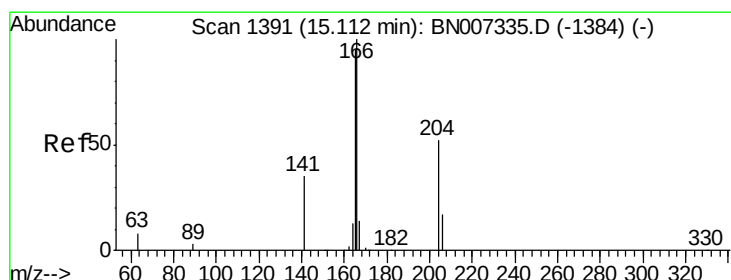
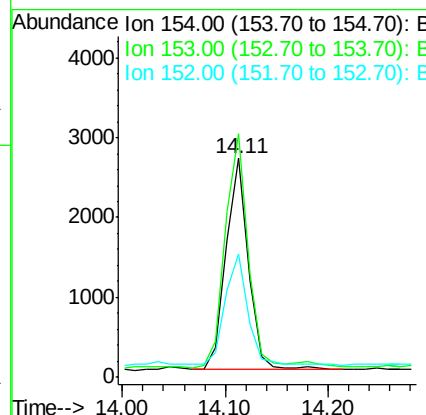
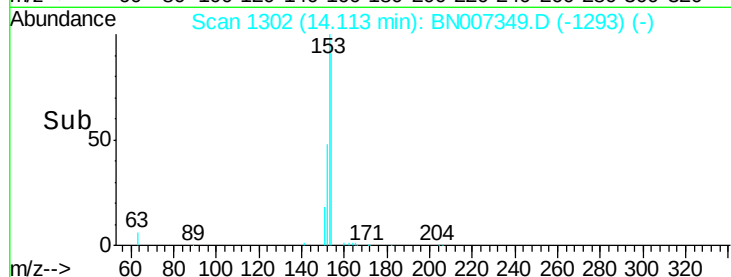
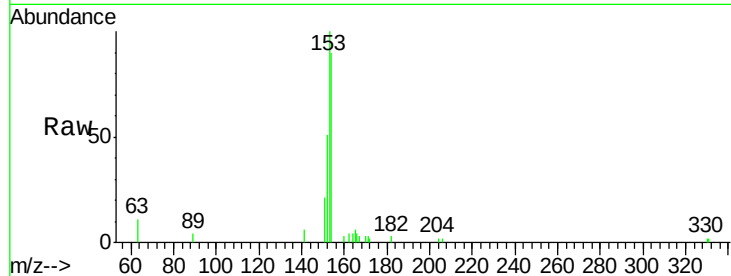
ClientSampleId :

S302-J-1.5-2.0-082019DL

Tot Ion:	154	Resp:	3971
Ion Ratio	Lower	Upper	
154	100		
153	111.8	92.8	139.2
152	53.8	43.8	65.8

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#18

Fluorene

Concen: 0.084 ng

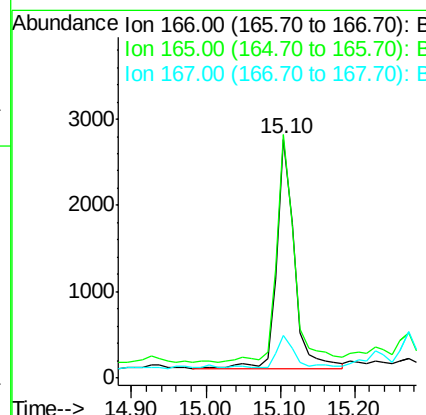
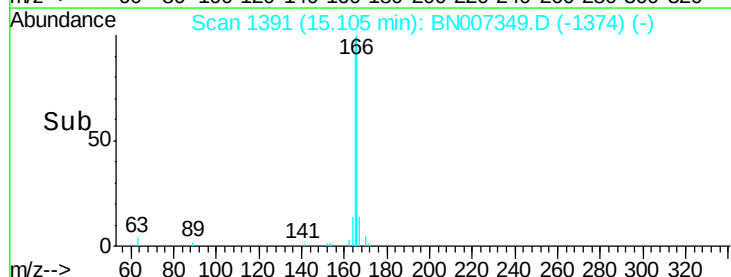
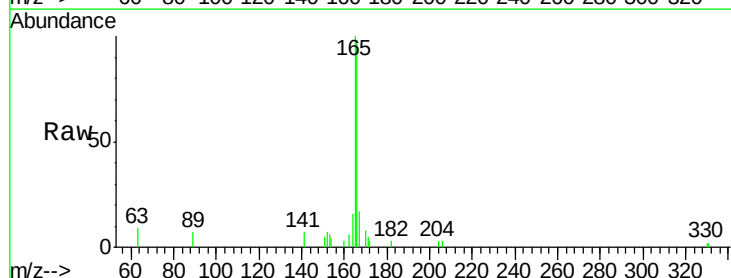
RT: 15.10 min Scan# 1391

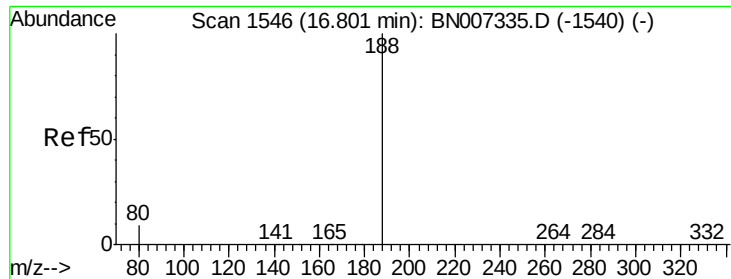
Delta R.T. -0.01 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Tgt Ion:	166	Resp:	4379
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.0	118.4
167	14.7	10.6	15.8





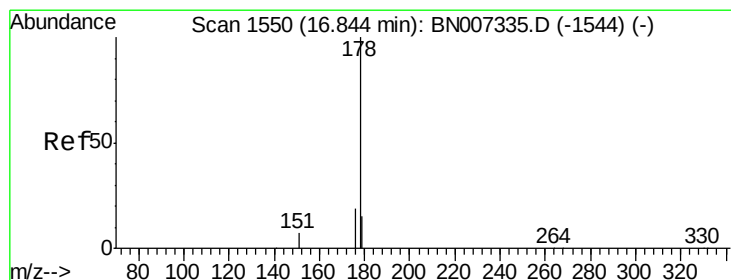
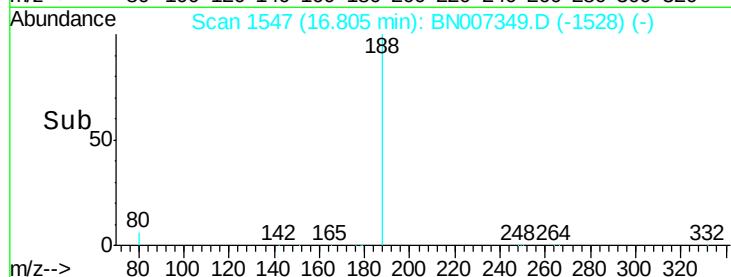
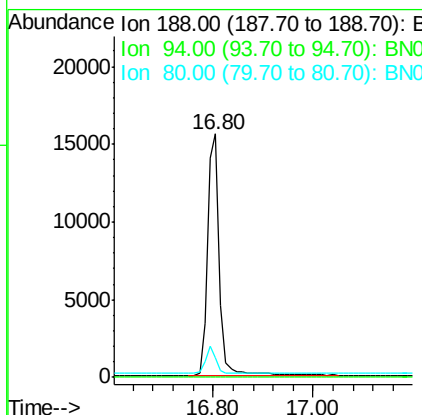
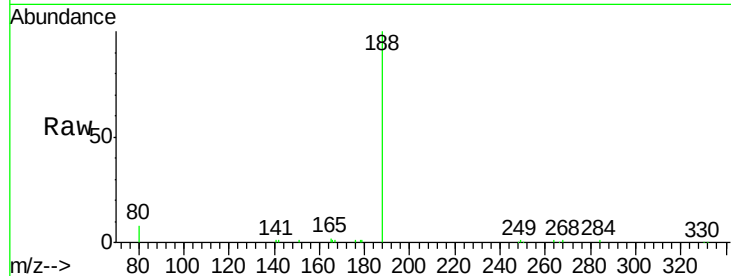
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	26618		
94	0.0	0.0	0.0	0.0
80	7.9	11.8	17.8	

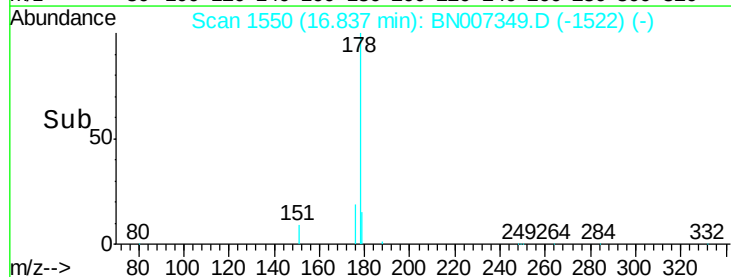
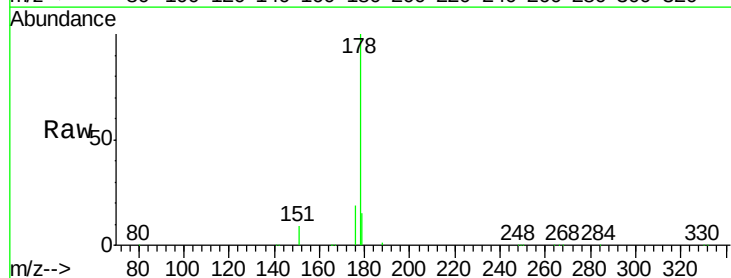
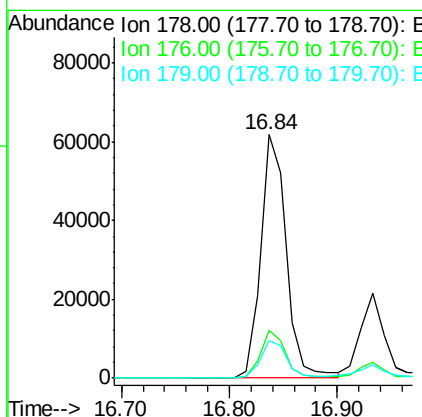
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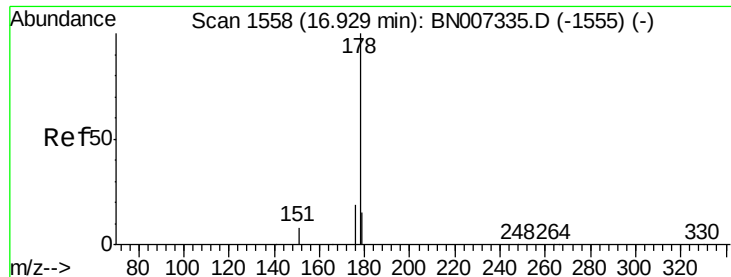
mohammad
8/29/2019 7:59:50 AM



#23
Phenanthrene
Concen: 1.250 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	100100		
176	18.9	15.3	22.9	
179	15.2	12.6	19.0	





#24

Anthracene

Concen: 0.406 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Instrument :

BNA_N

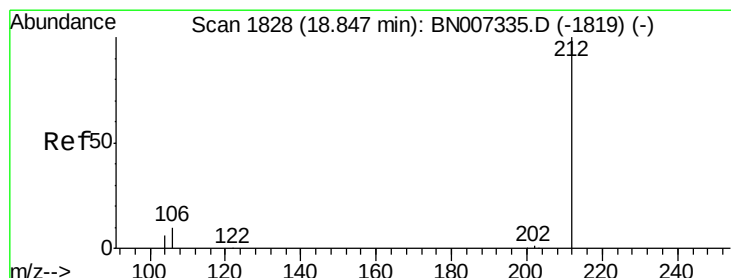
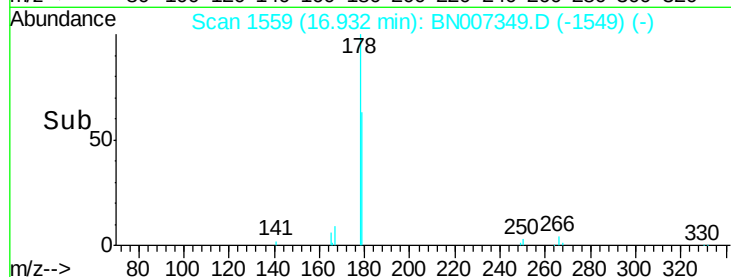
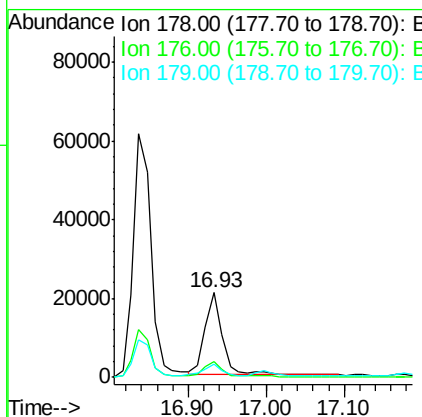
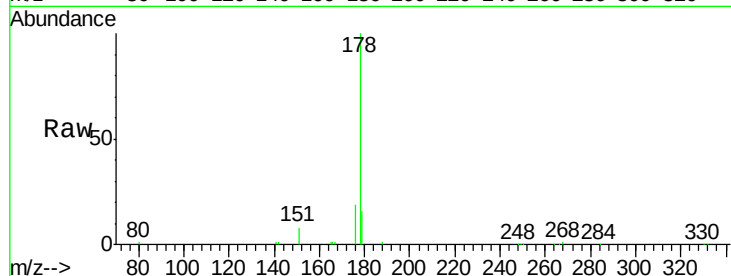
ClientSampleId :

S302-J-1.5-2.0-082019DL

Tot Ion:	178	Resp:	32712
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.9	22.3
179	14.8	12.4	18.6

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#25

Fluoranthene-d10

Concen: 0.040 ng

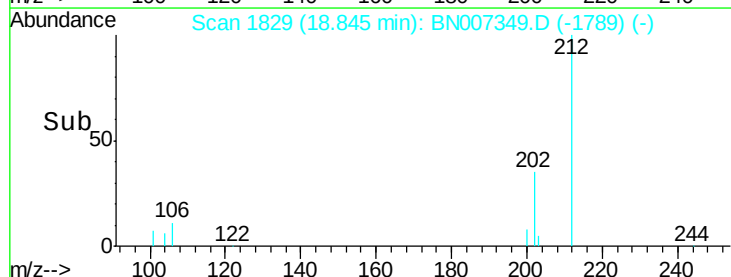
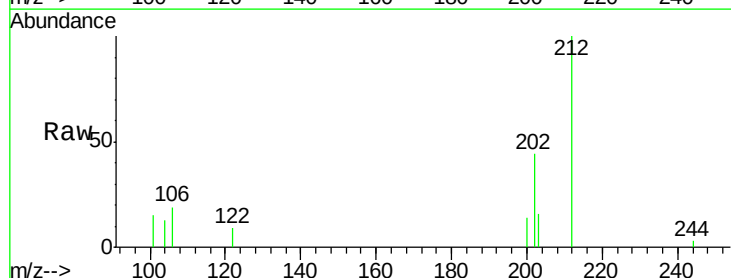
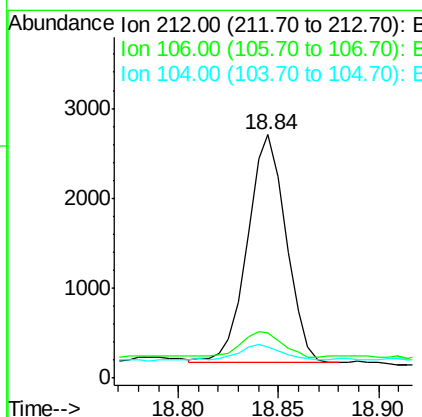
RT: 18.84 min Scan# 1829

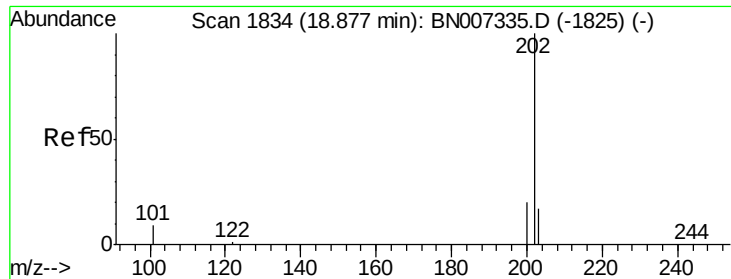
Delta R.T. -0.00 min

Lab File: BN007349.D

Acq: 24 Aug 2019 04:38

Tgt Ion:	212	Resp:	3413
Ion Ratio	Lower	Upper	
212	100		
106	11.3	9.0	13.4
104	7.8	5.4	8.2





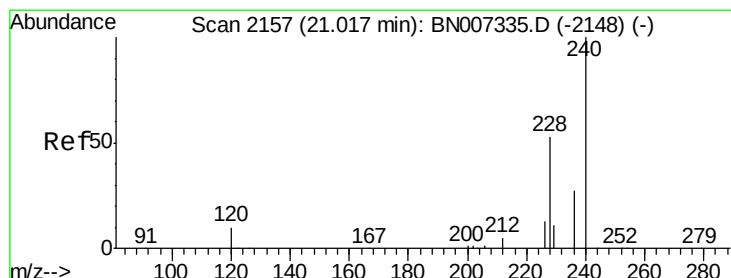
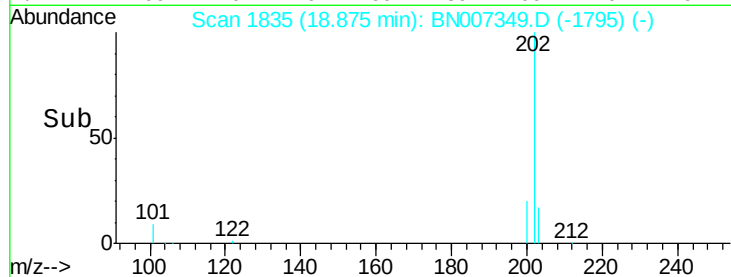
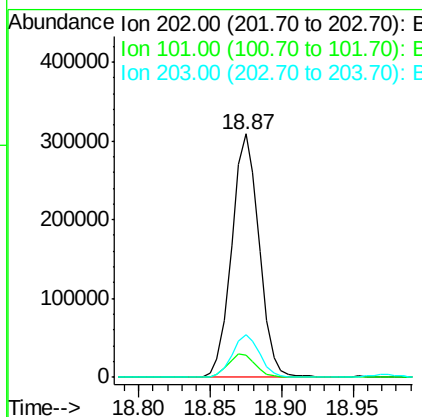
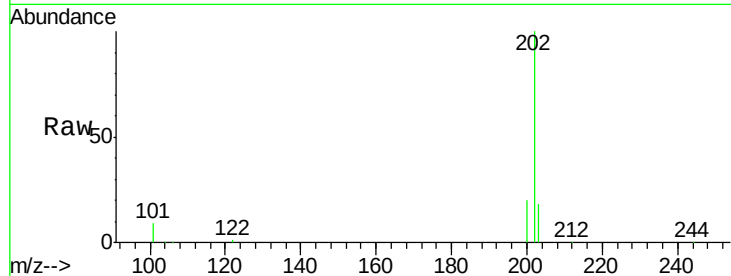
#26
 Fluoranthene
 Concen: 3.998 ng
 RT: 18.87 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN007349.D
 Acq: 24 Aug 2019 04:38

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	410968		
101	9.5		7.7	11.5
203	17.4		13.7	20.5

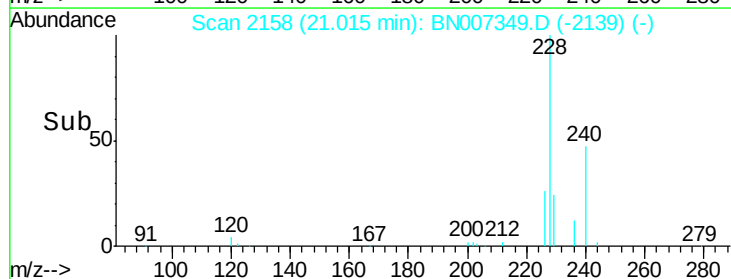
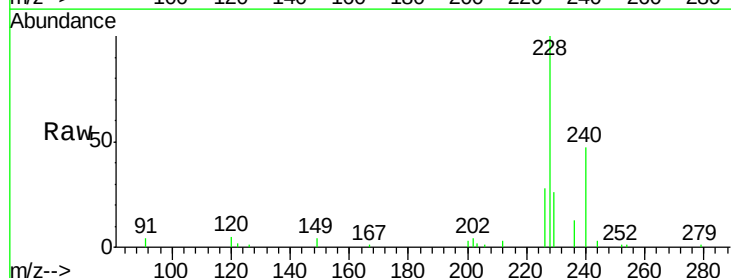
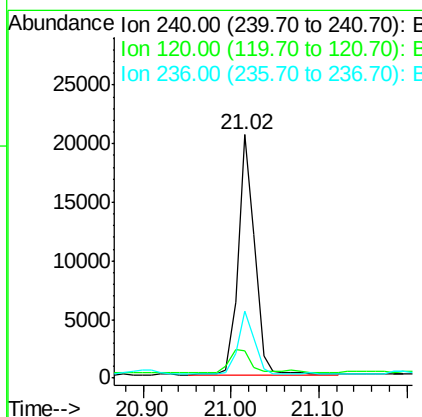
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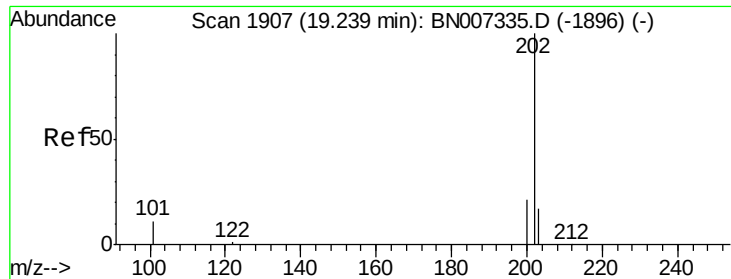
mohammad
 8/29/2019 7:59:50 AM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007349.D
 Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	26507		
120	11.0		9.6	14.4
236	27.6		22.2	33.2





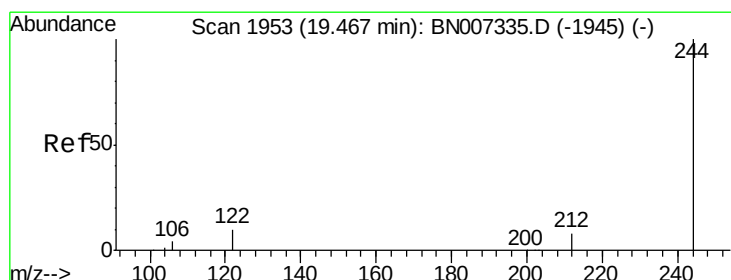
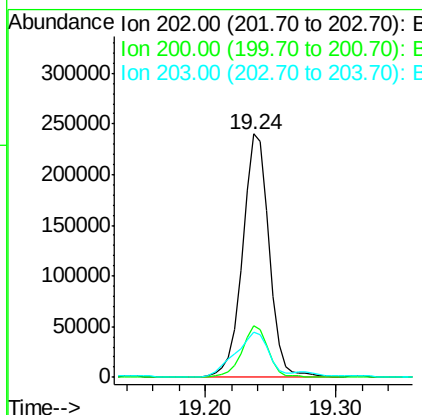
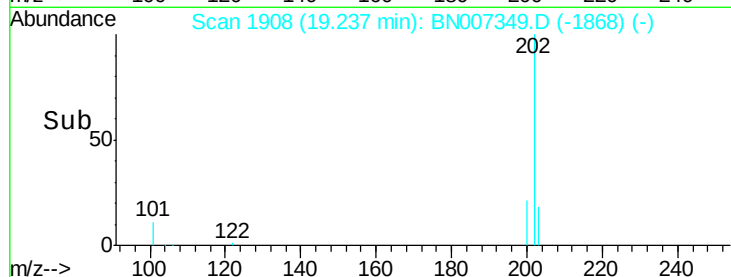
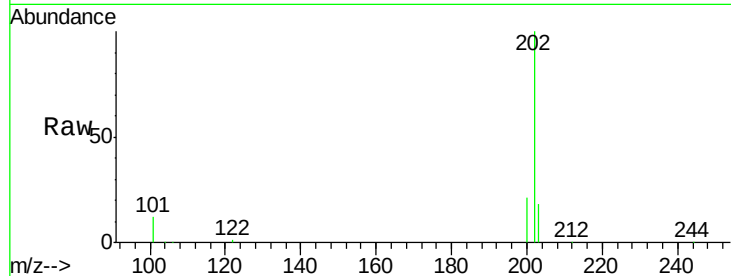
#28
 Pvrene
 Concen: 3.201 ng
 RT: 19.24 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BN007349.D
 Acq: 24 Aug 2019 04:38

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	23.6	14.2	21.4

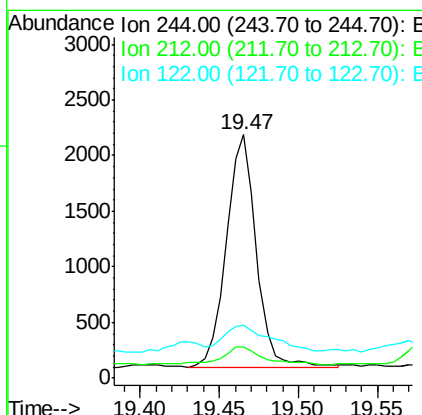
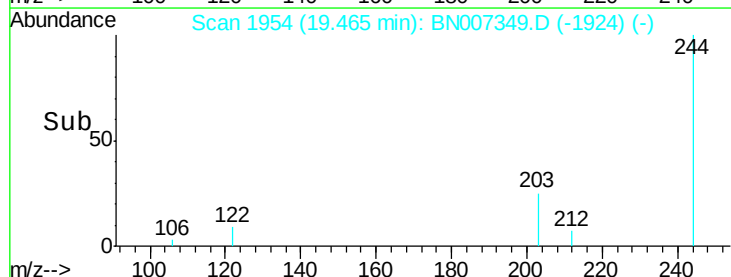
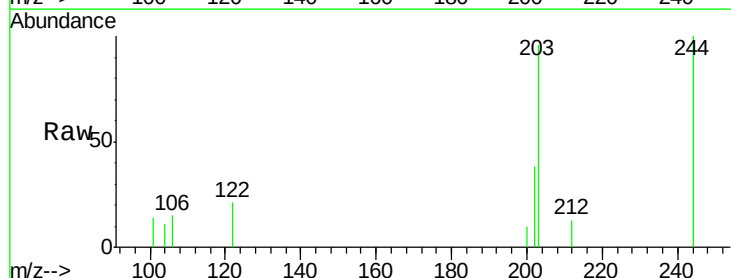
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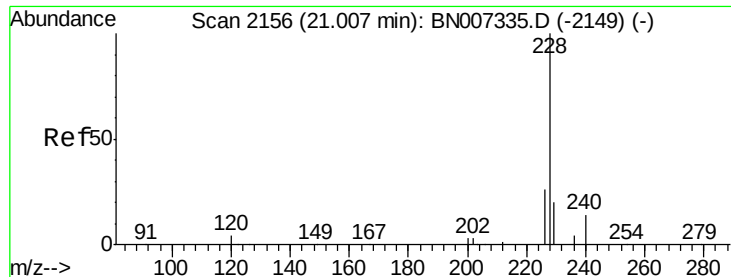
mohammad
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#29
 Terphenyl-d14
 Concen: 0.040 ng
 RT: 19.47 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: BN007349.D
 Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.8	7.0	10.6
122	21.5	9.6	14.4





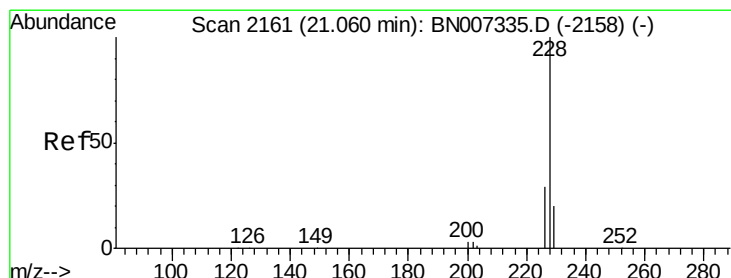
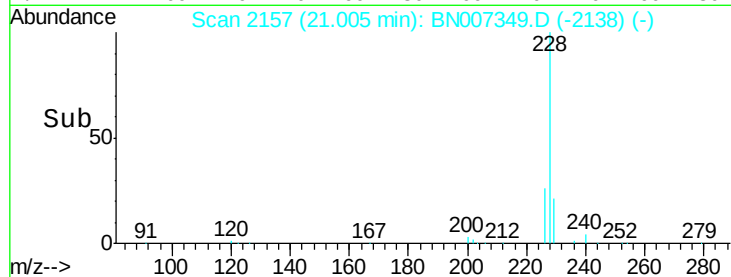
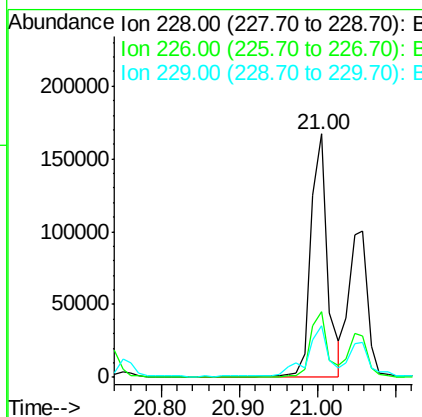
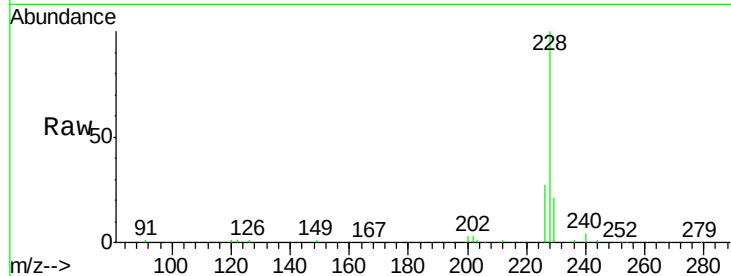
#30
Benzo(a)anthracene
Concen: 2.337 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.3	31.9
229	21.1	16.1	24.1

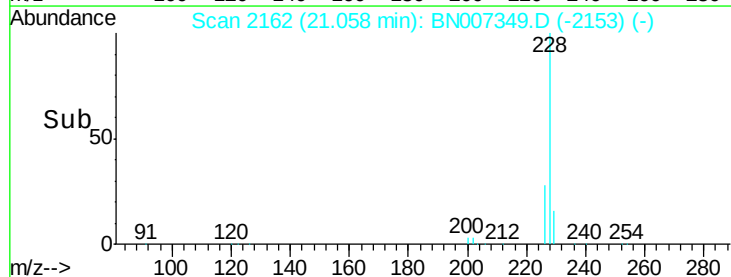
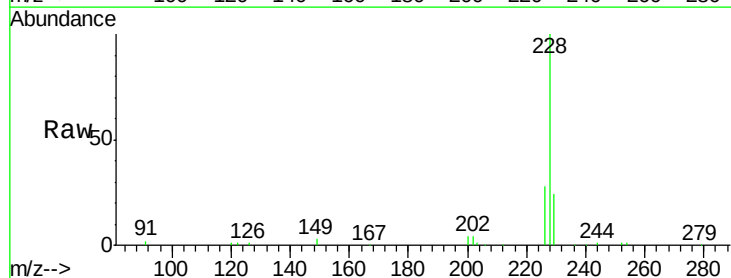
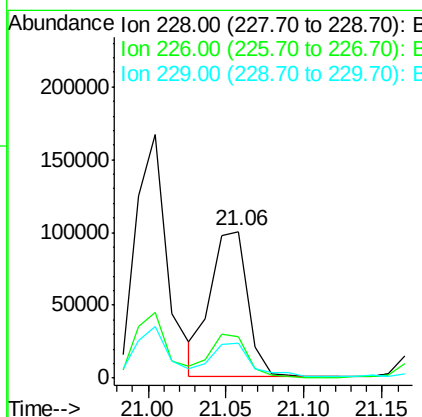
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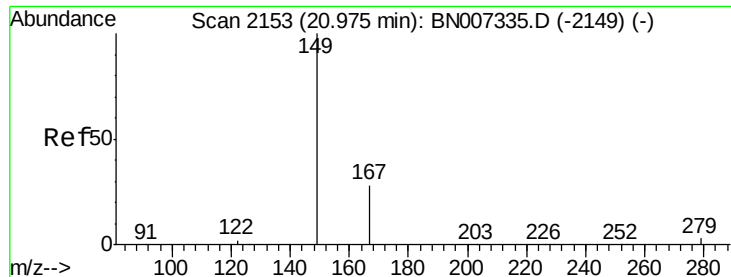
mohammad
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#31
Chrysene
Concen: 1.653 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.5	35.3
229	23.7	16.6	24.8





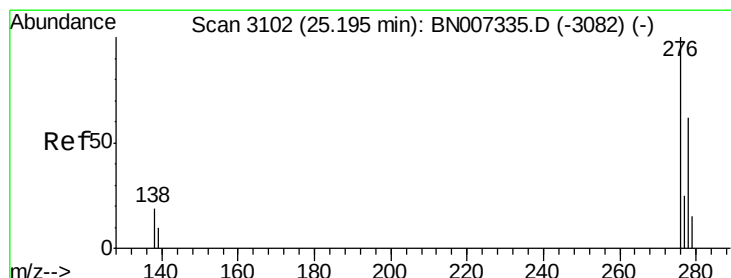
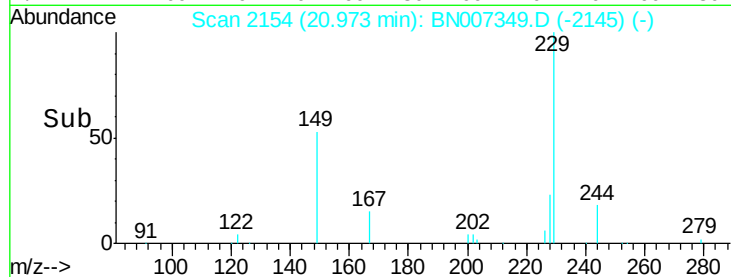
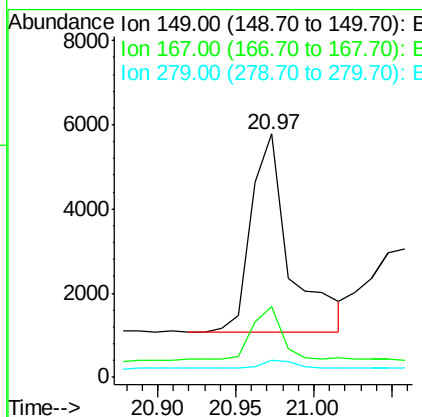
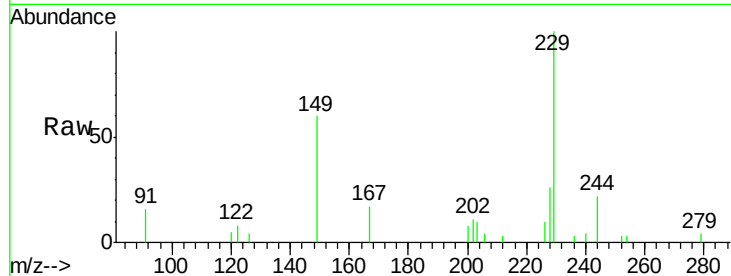
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 20.97 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	23.4	22.8	34.2
279	3.6	3.5	5.3

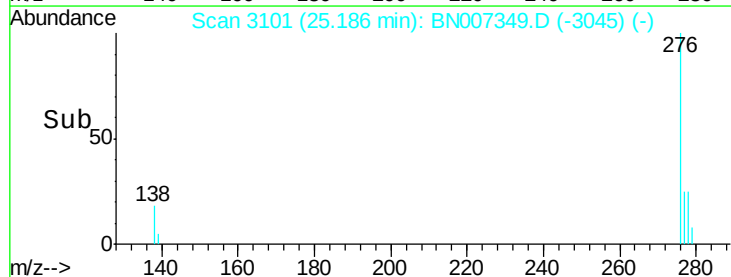
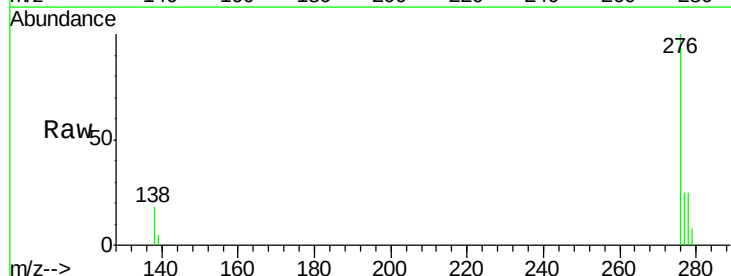
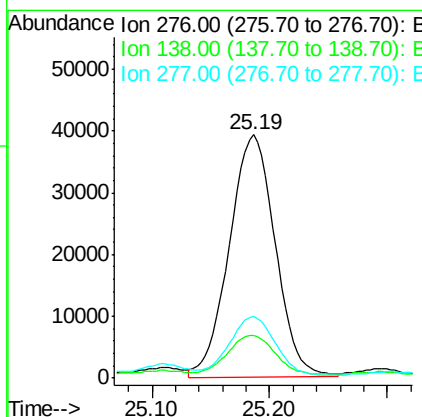
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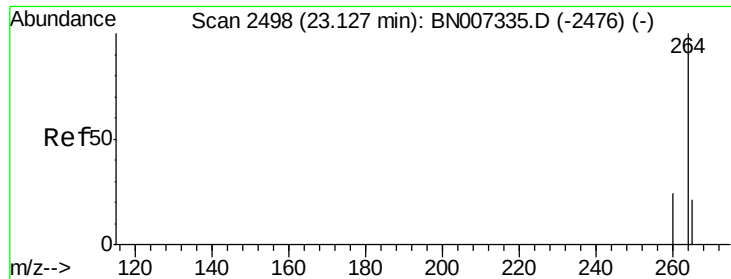
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.876 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	15.1	22.7
277	24.5	19.7	29.5





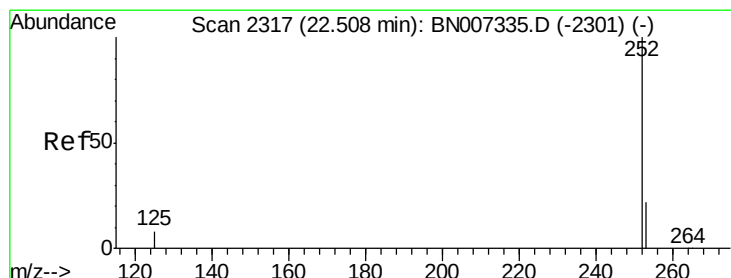
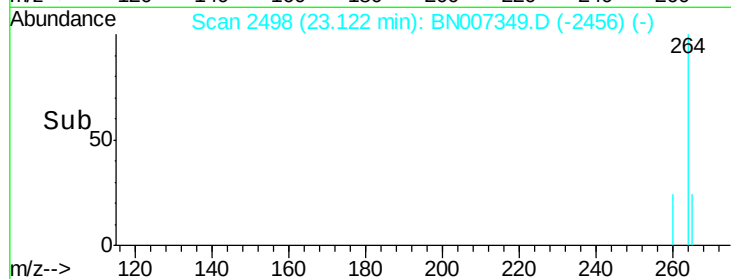
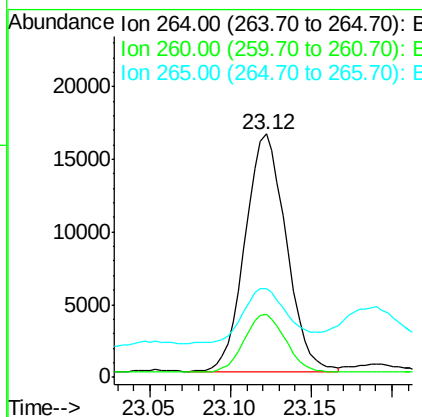
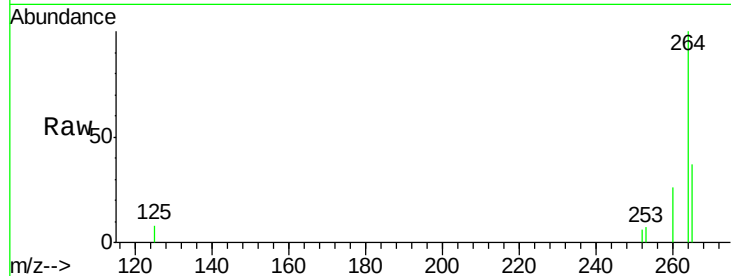
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BN007349.D
 Acq: 24 Aug 2019 04:38

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.7	29.5
265	36.7	29.9	44.9

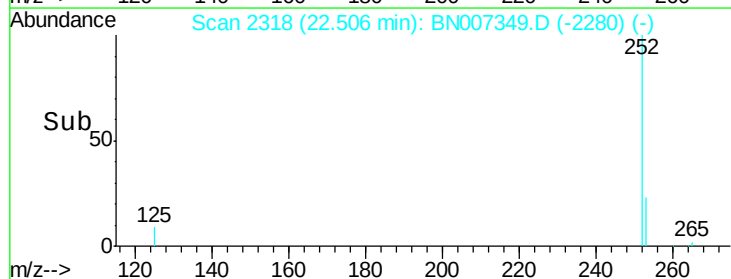
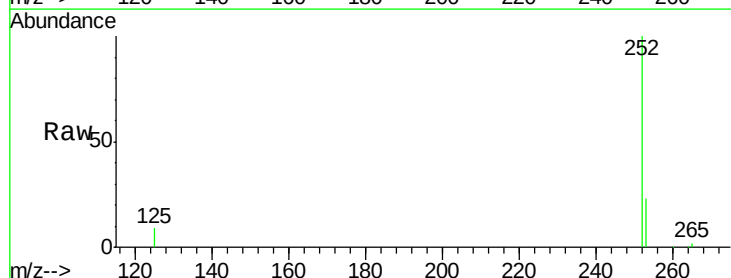
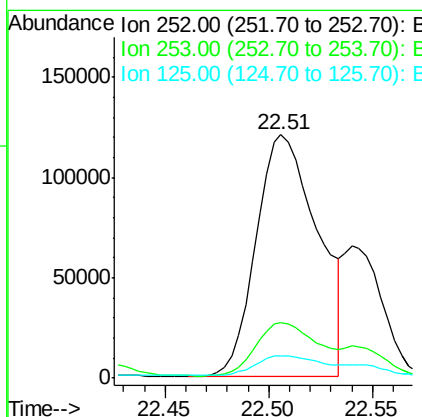
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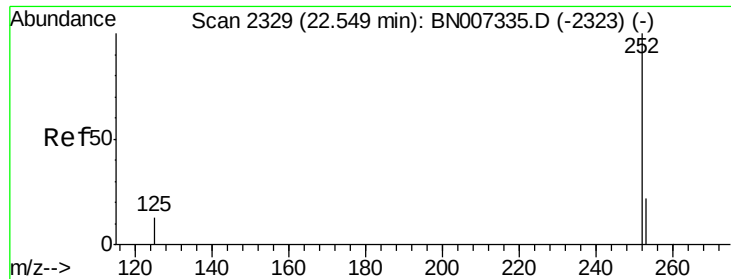
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#35
 Benzo(b)fluoranthene
 Concen: 2.390 ng
 RT: 22.51 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BN007349.D
 Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	9.1	10.6	16.0





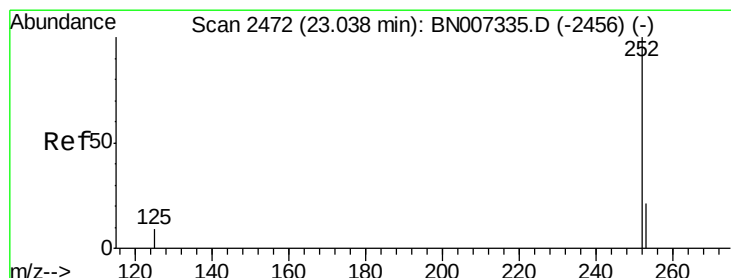
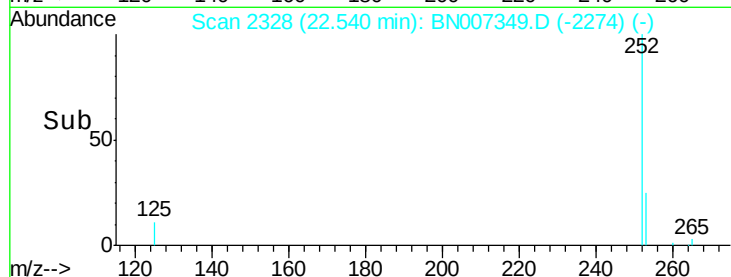
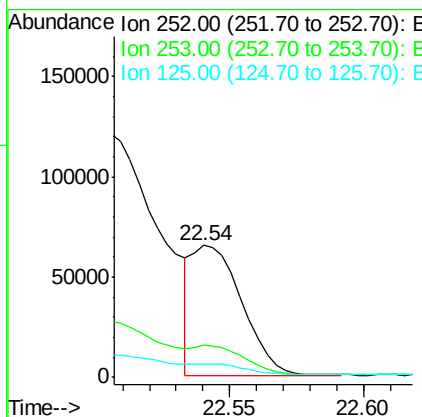
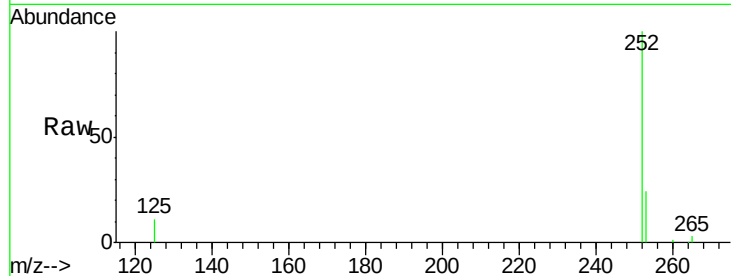
#36
Benzo(k)fluoranthene
Concen: 0.823 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.2
125	10.5	13.1	19.7#

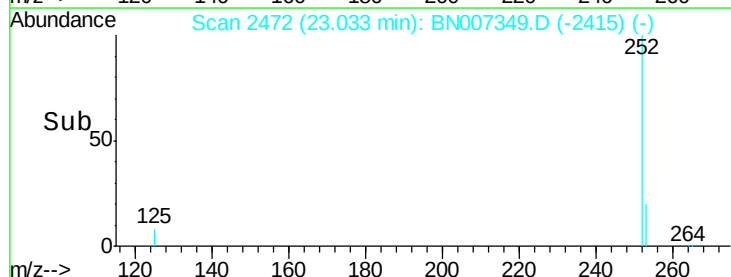
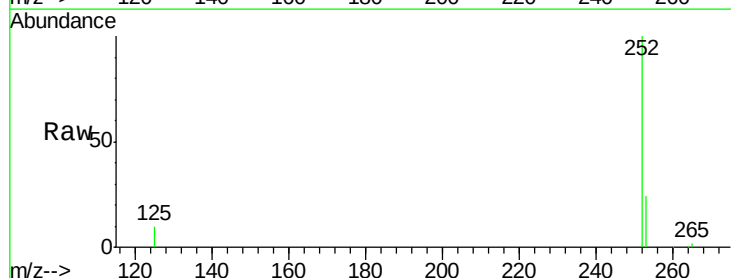
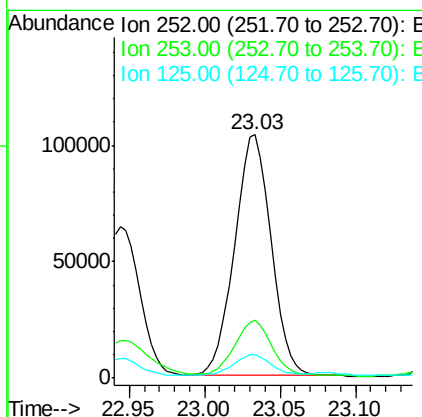
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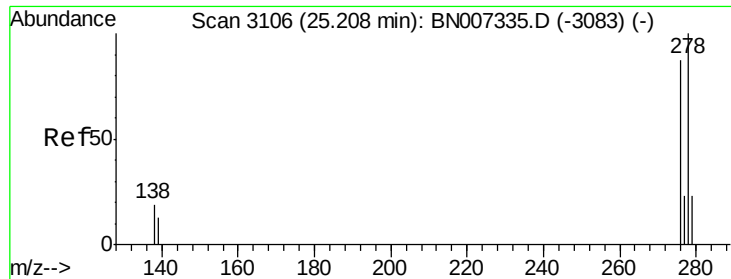
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#37
Benzo(a)pyrene
Concen: 1.758 ng m
RT: 23.03 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.5	29.3
125	9.7	12.1	18.1#





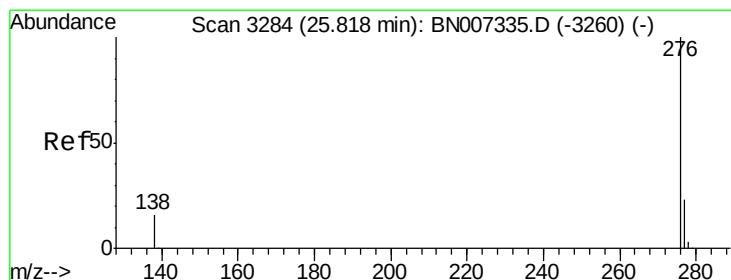
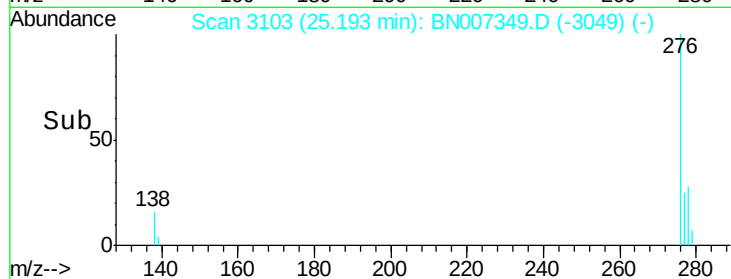
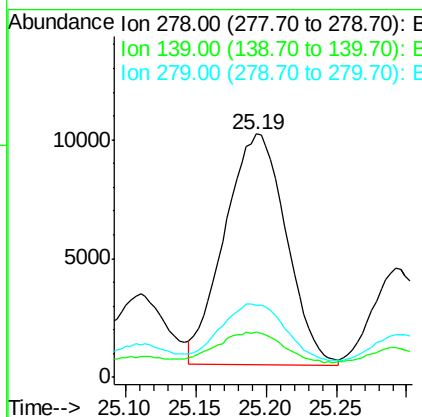
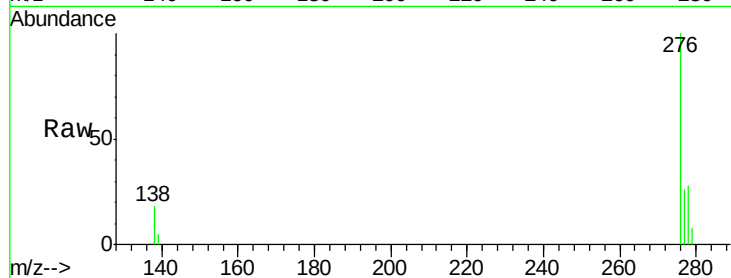
#38
Dibenzo(a,h)anthracene
Concen: 0.299 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Instrument :
BNA_N
ClientSampleId :
S302-J-1.5-2.0-082019DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	13.7	20.5
279	29.7	20.2	30.4

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#39
Benzo(g,h,i)perylene
Concen: 0.935 ng
RT: 25.81 min Scan# 3284
Delta R.T. -0.01 min
Lab File: BN007349.D
Acq: 24 Aug 2019 04:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.6	29.4
138	17.9	16.3	24.5

