

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006664.D
 Acq On : 01 Jul 2019 17:03
 Operator : HP/JU
 Sample : K3504-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-029-SW169-062019

Manual Integrations
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 7/2/2019 2:52:31 PM

Quant Time: Jul 02 05:35:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 13:47:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4435	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	17745	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9663	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	20395	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	18975	0.40	ng	-0.01
34) Perylene-d12	23.50	264	21185	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	3393	0.31	ng	0.00
5) Phenol-d6	6.81	99	4661	0.32	ng	-0.02
8) Nitrobenzene-d5	8.79	82	3157	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	7243	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1360	0.30	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	9446	0.26	ng	-0.01
25) Fluoranthene-d10	19.08	212	12136	0.20	ng	0.00
29) Terphenyl-d14	19.68	244	8914	0.22	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.44	128	13757	0.295	ng	98
12) 2-Methylnaphthalene	12.07	142	6256	0.194	ng	99
16) Acenaphthylene	13.99	152	43095	0.935	ng	99
17) Acenaphthene	14.33	154	3959	0.130	ng	98
18) Fluorene	15.32	166	14441	0.377	ng	# 92
23) Phenanthrene	17.07	178	343348	5.921	ng	100
24) Anthracene	17.16	178	68481	1.361	ng	# 91
26) Fluoranthene	19.11	202	463231	6.573	ng	99
28) Pyrene	19.47	202	414502	6.243	ng	97
30) Benzo(a)anthracene	21.24	228	263413	4.246	ng	97
31) Chrysene	21.29	228	213095	3.186	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	6929	0.222	ng	99
33) Indeno(1,2,3-cd)pyrene	25.73	276	99514	1.470	ng	97
35) Benzo(b)fluoranthene	22.83	252	236908	3.288	ng	99
36) Benzo(k)fluoranthene	22.87	252	91745m	1.194	ng	
37) Benzo(a)pyrene	23.40	252	177227	2.631	ng	100
38) Dibenzo(a,h)anthracene	25.73	278	32494	0.552	ng	# 83
39) Benzo(a,h,i)perylene	26.41	276	89806	1.529	ng	99

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

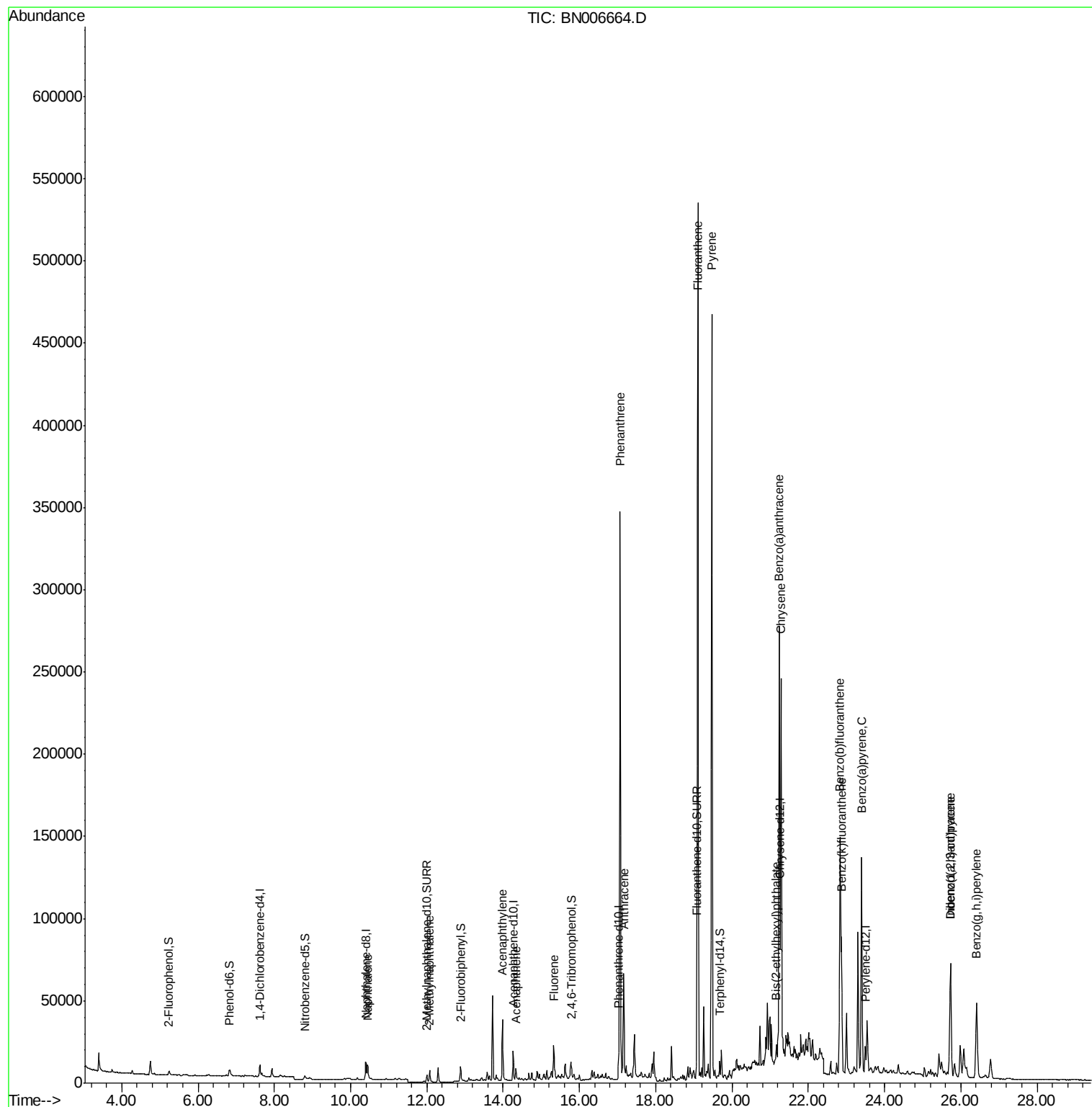
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006664.D
Acq On : 01 Jul 2019 17:03
Operator : HP/JU
Sample : K3504-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

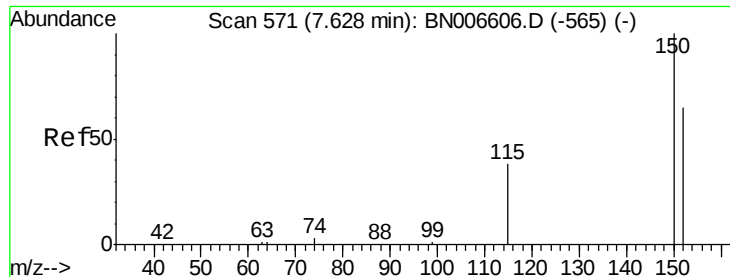
Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

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Quant Time: Jul 02 05:35:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
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#1

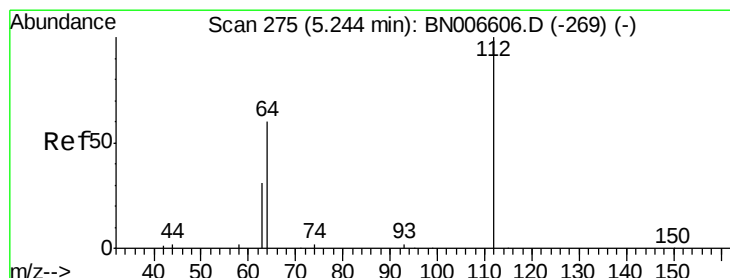
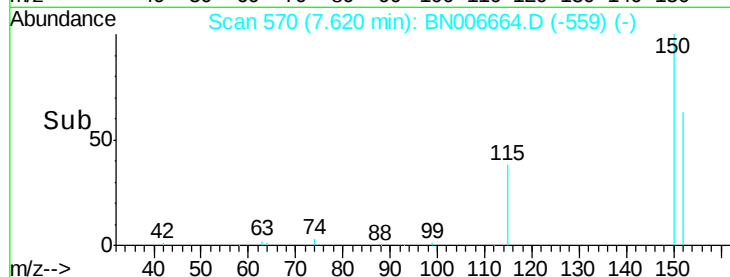
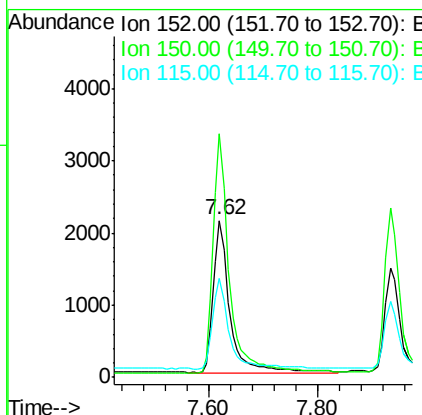
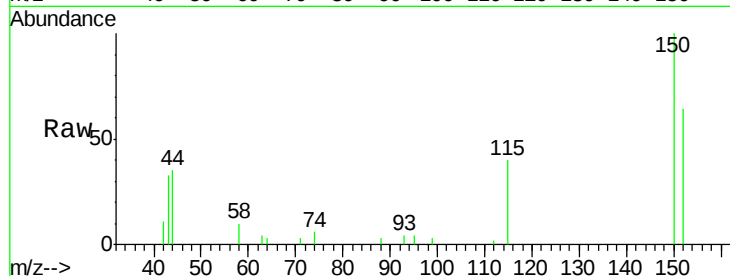
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.2	183.2
115	62.9	50.0	75.0

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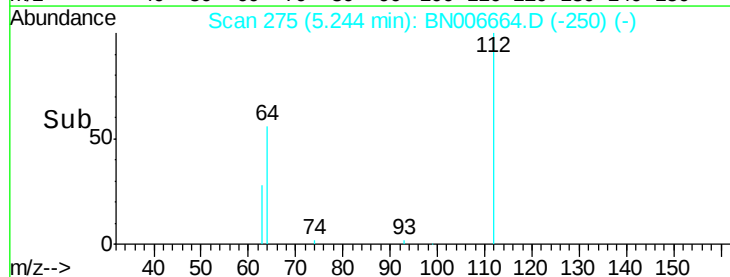
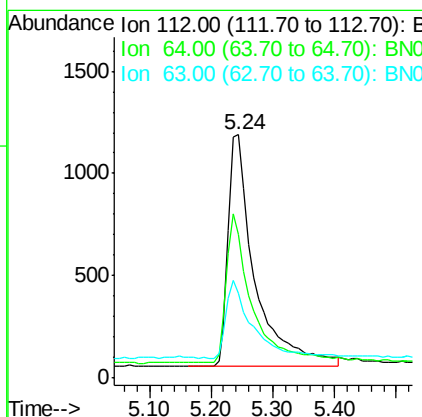
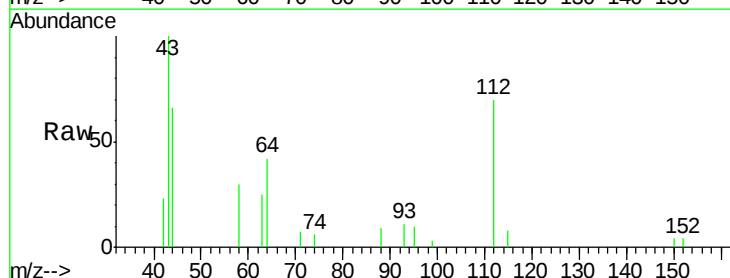
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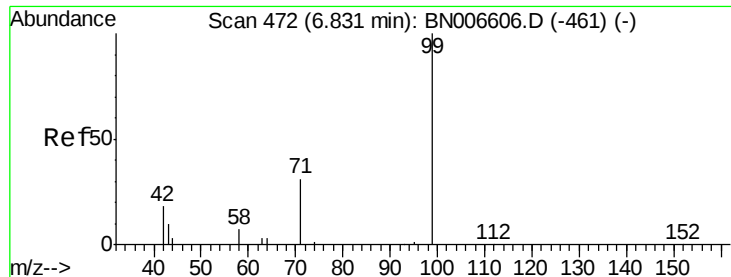


#4

2-Fluorophenol
Concen: 0.312 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	48.9	73.3
63	33.7	24.3	36.5





#5

Phenol-d6

Concen: 0.324 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006664.D

Acq: 01 Jul 2019 17:03

Instrument :

BNA_N

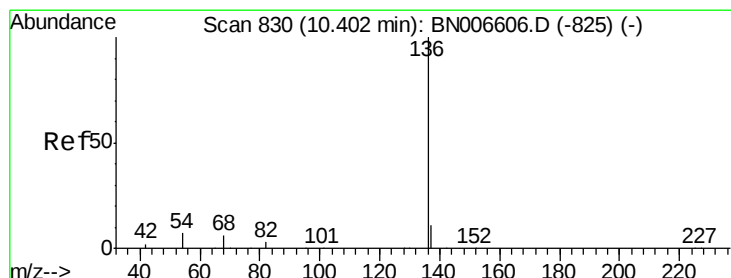
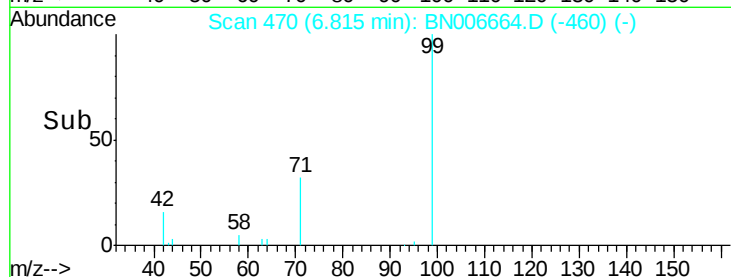
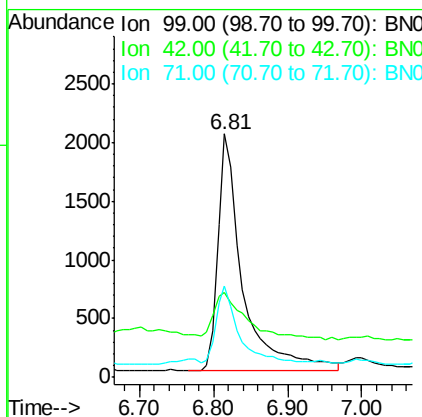
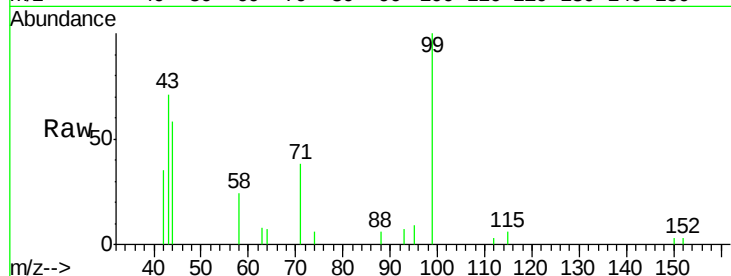
ClientSampleId :

EXT-029-SW169-062019

Tot Ion:	99	Resp:	4661
Ion Ratio	Lower	Upper	
99	100		
42	27.2	16.4	24.6#
71	28.8	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

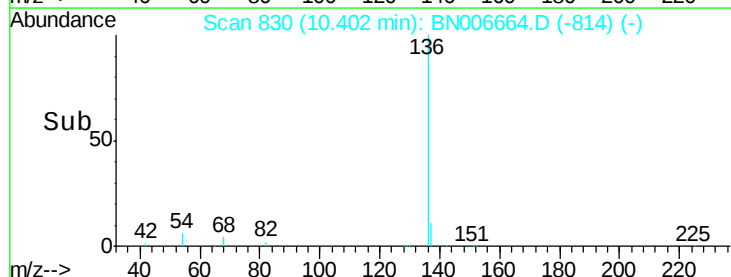
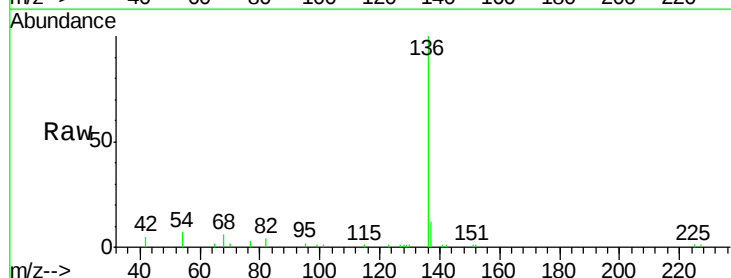
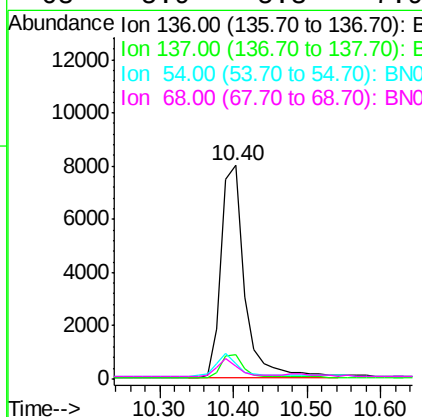
RT: 10.40 min Scan# 830

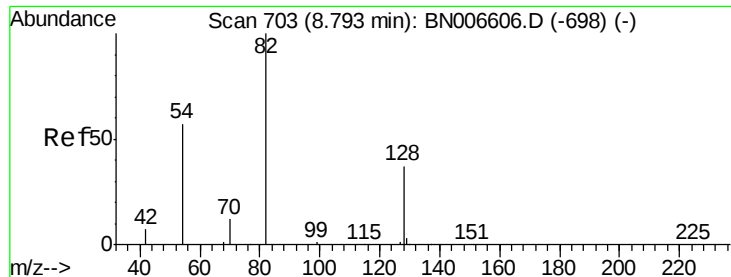
Delta R.T. -0.00 min

Lab File: BN006664.D

Acq: 01 Jul 2019 17:03

Tgt Ion:	136	Resp:	17745
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.3	13.9
54	7.3	6.7	10.1
68	5.9	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.265 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006664.D

Acq: 01 Jul 2019 17:03

Instrument :

BNA_N

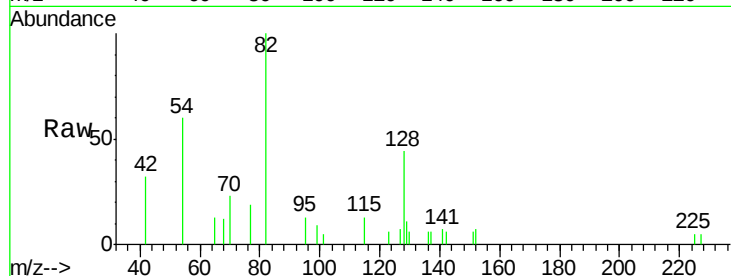
ClientSampleId :

EXT-029-SW169-062019

Tot Ion:	82	Resp:	3157
Ion	Ratio	Lower	Upper
82	100		
128	44.4	32.6	49.0
54	60.0	48.2	72.4

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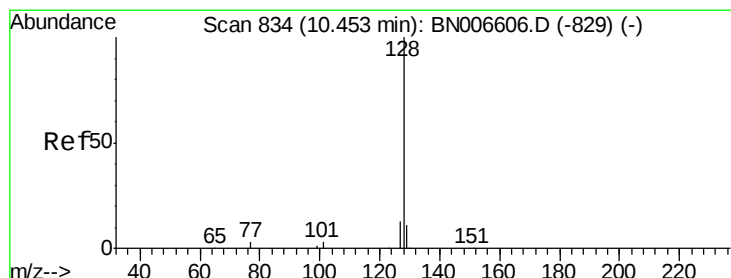
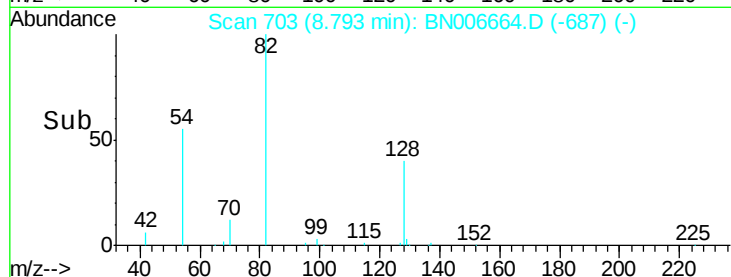
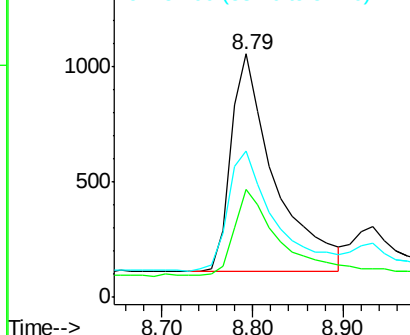
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Abundance Ion 82.00 (81.70 to 82.70): BN006664.D (-687) (-)

Ion 128.00 (127.70 to 128.70): BN006664.D (-687) (-)

Ion 54.00 (53.70 to 54.70): BN006664.D (-687) (-)



#9

Naphthalene

Concen: 0.295 ng

RT: 10.44 min Scan# 833

Delta R.T. -0.01 min

Lab File: BN006664.D

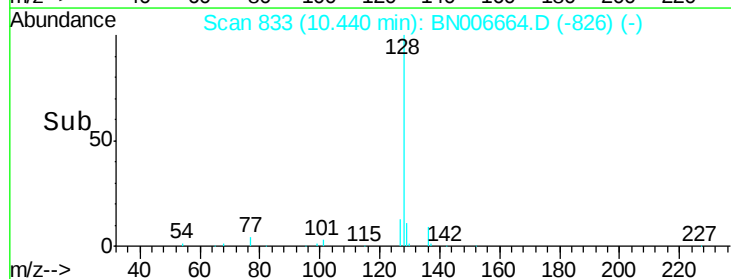
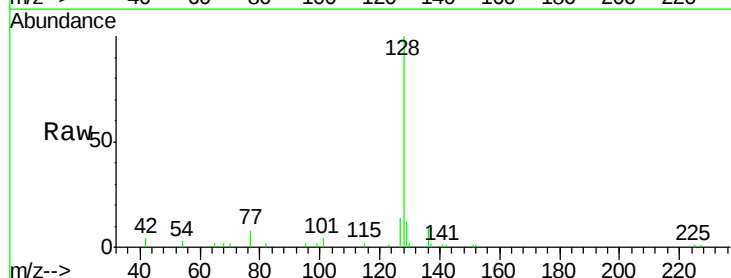
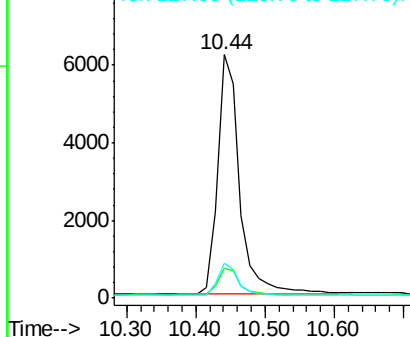
Acq: 01 Jul 2019 17:03

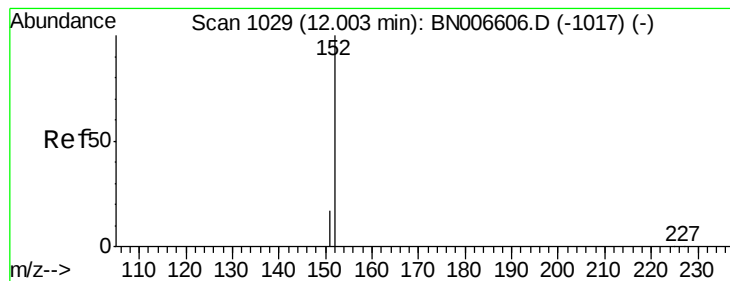
Tgt Ion:	128	Resp:	13757
Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.3	13.9
127	14.3	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): BN006664.D (-826) (-)

Ion 129.00 (128.70 to 129.70): BN006664.D (-826) (-)

Ion 127.00 (126.70 to 127.70): BN006664.D (-826) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.259 ng

RT: 12.00 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BN006664.D

Acq: 01 Jul 2019 17:03

Instrument :

BNA_N

ClientSampleId :

EXT-029-SW169-062019

Tot Ion:152 Resp: 7243

Ion Ratio Lower Upper

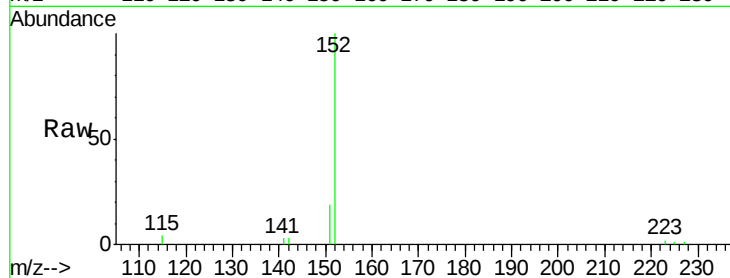
152 100

151 19.2 15.0 22.4

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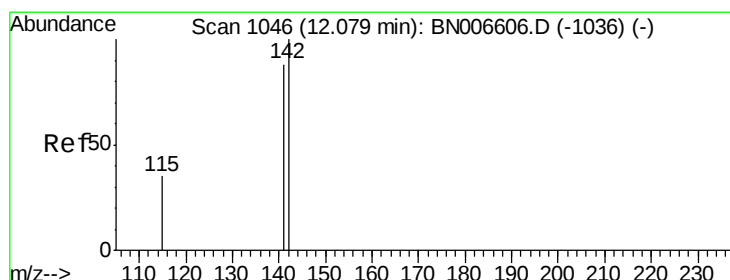
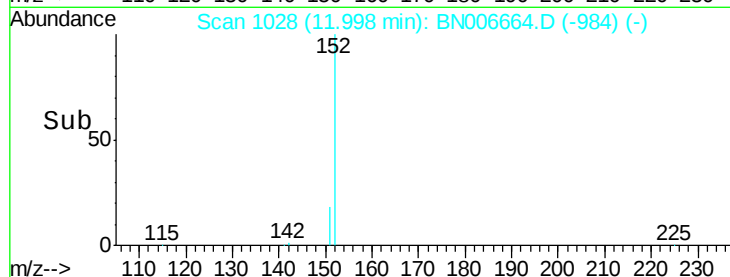
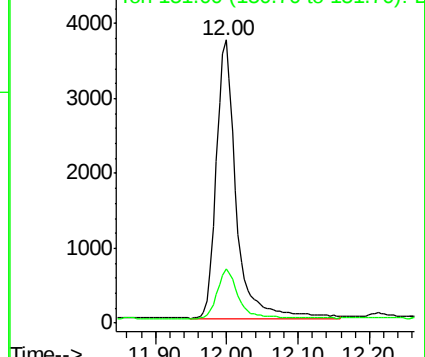
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.194 ng

RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN006664.D

Acq: 01 Jul 2019 17:03

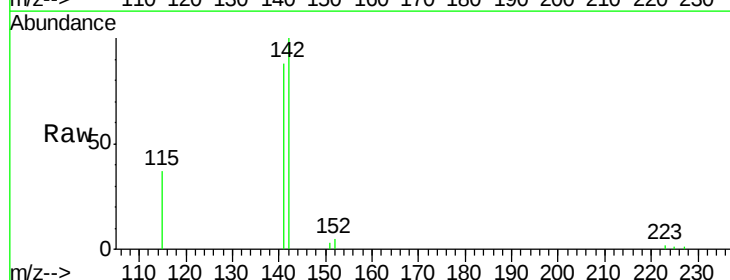
Tgt Ion:142 Resp: 6256

Ion Ratio Lower Upper

142 100

141 88.2 70.2 105.4

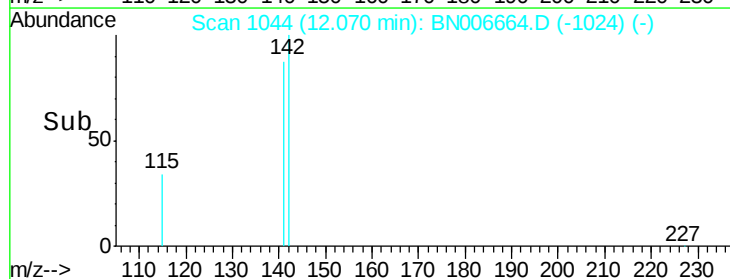
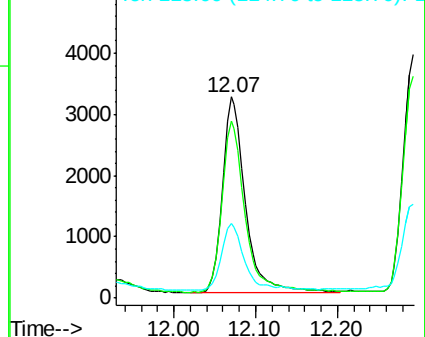
115 37.2 28.5 42.7

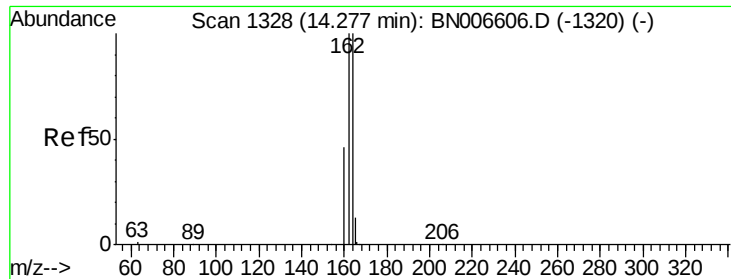


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





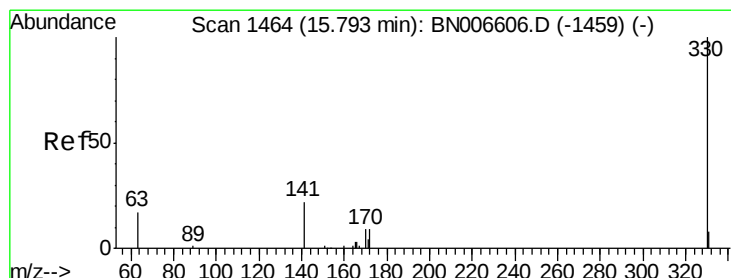
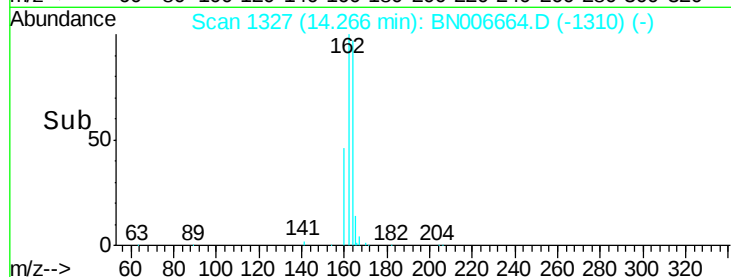
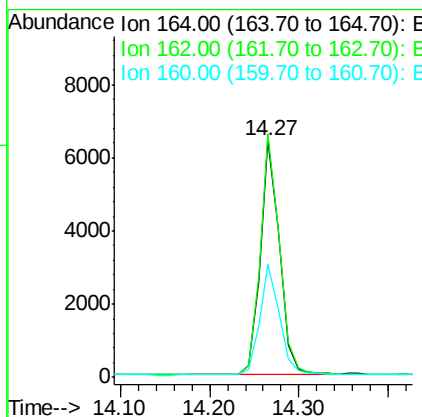
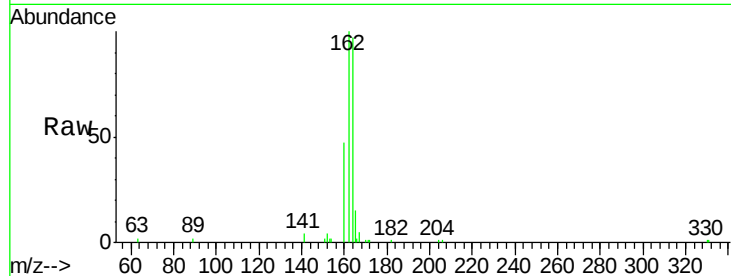
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.0	120.0
160	47.8	37.0	55.4

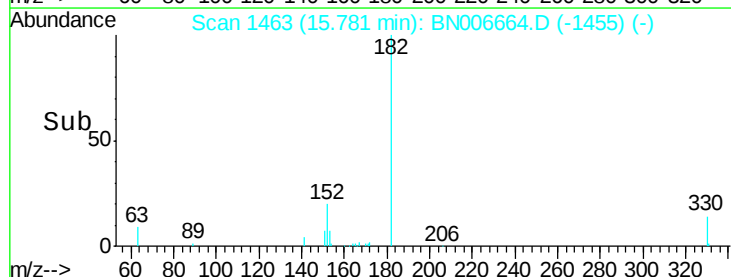
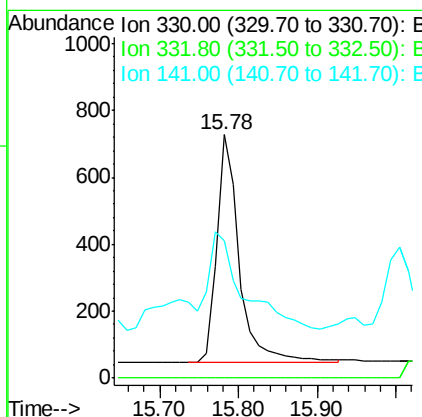
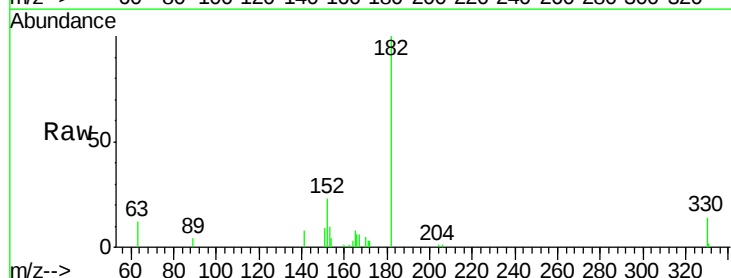
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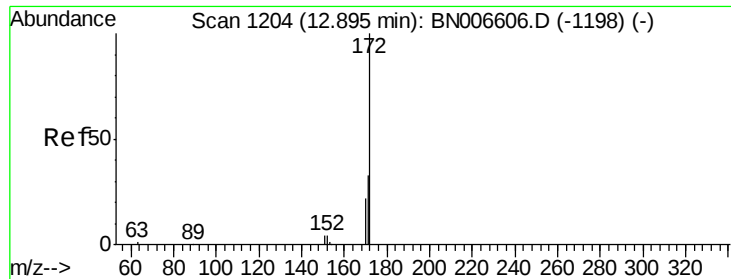
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#14
2,4,6-Tribromophenol
Concen: 0.299 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	63.5	26.5	39.7#





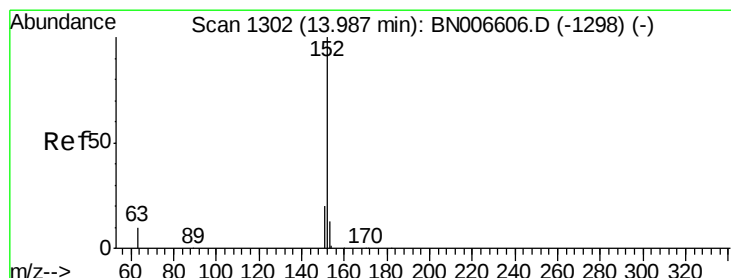
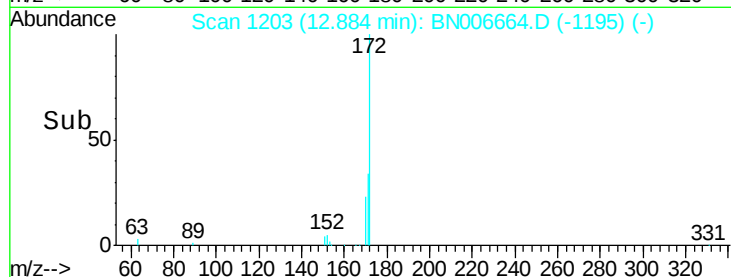
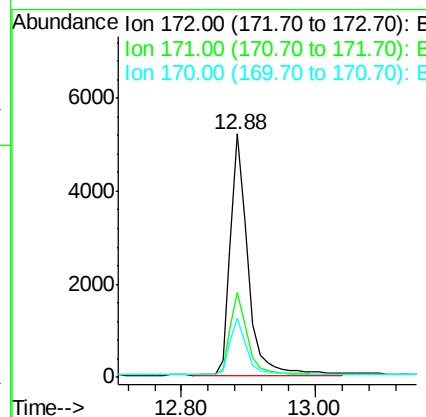
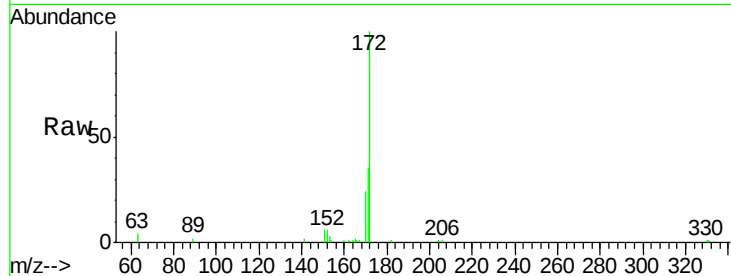
#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.0	40.4
170	24.1	17.7	26.5

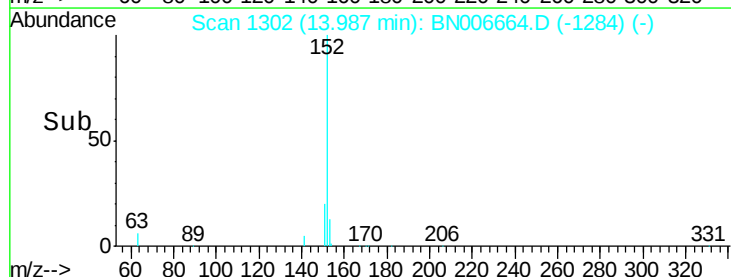
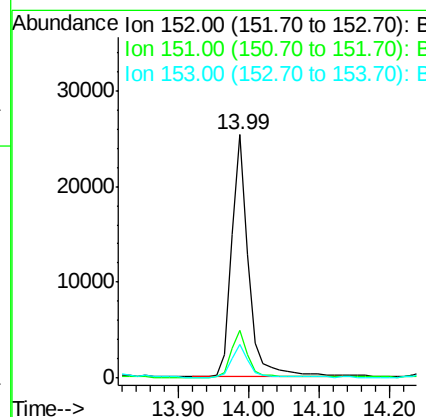
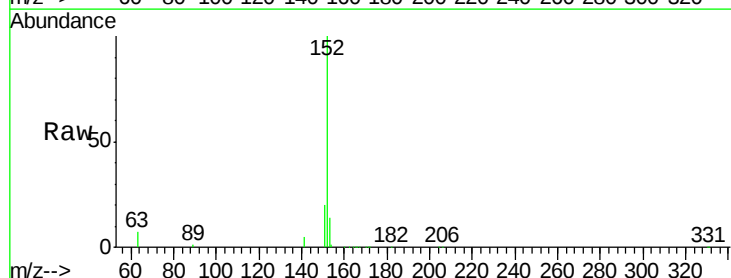
Manual Integrations
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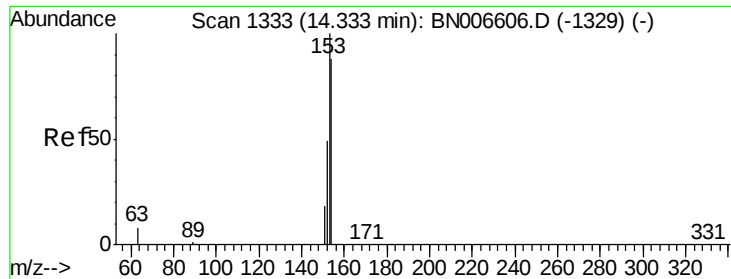
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#16
Acenaphthylene
Concen: 0.935 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.4	10.5	15.7





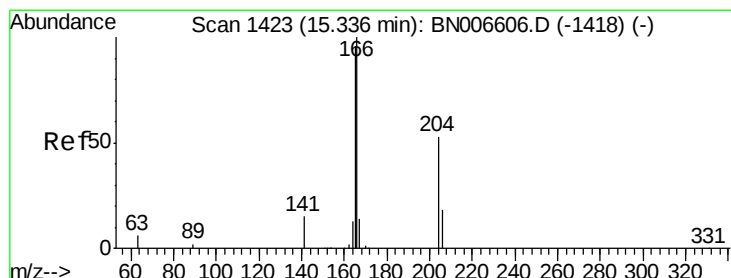
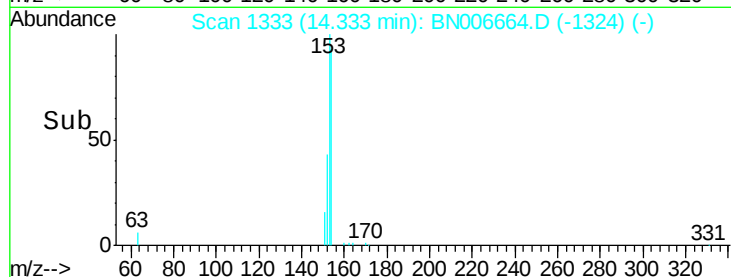
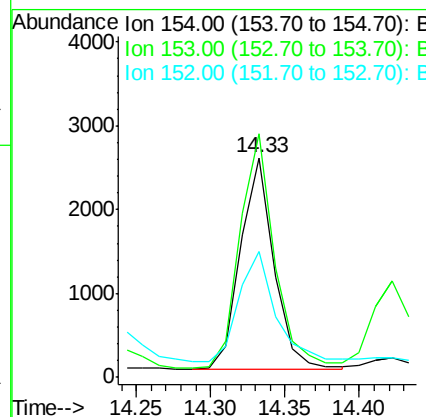
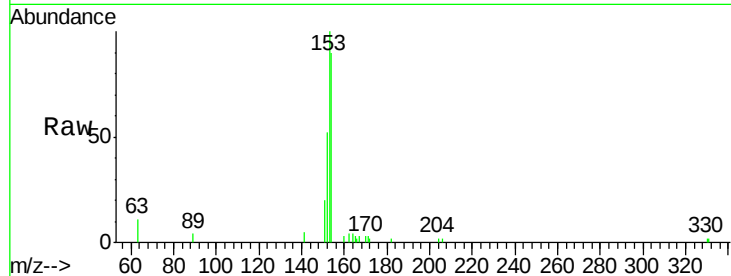
#17
Acenaphthene
Concen: 0.130 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.2	135.4
152	56.9	44.2	66.4

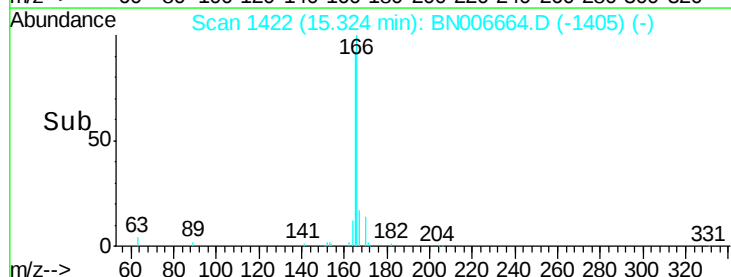
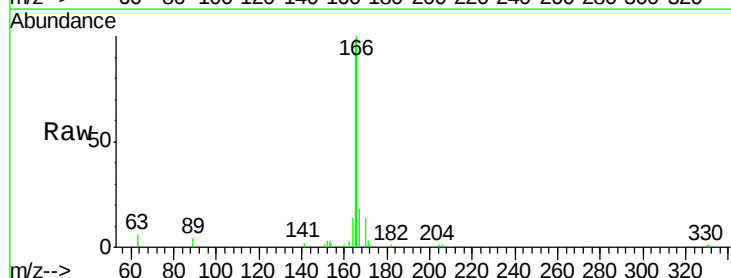
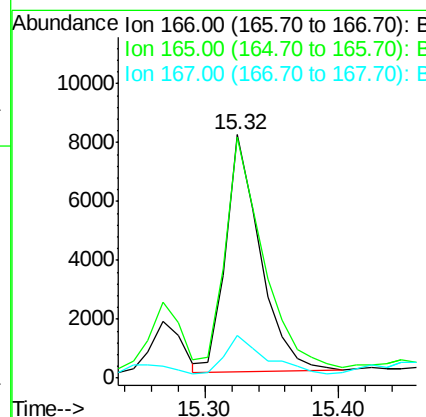
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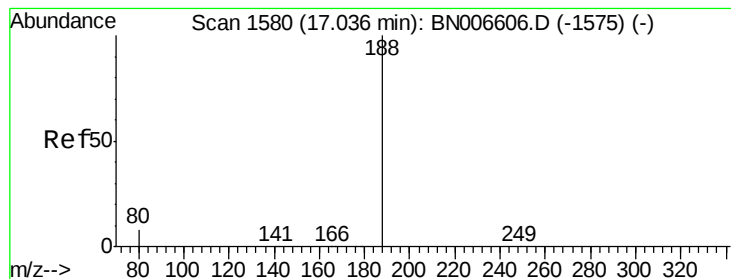
mohammad
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#18
Fluorene
Concen: 0.377 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.8	78.4	117.6
167	18.3	10.8	16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006664.D

Acq: 01 Jul 2019 17:03

Instrument :

BNA_N

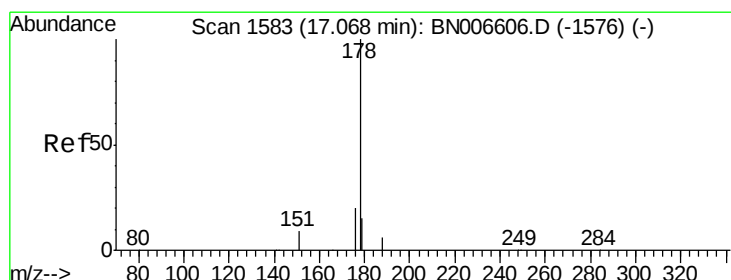
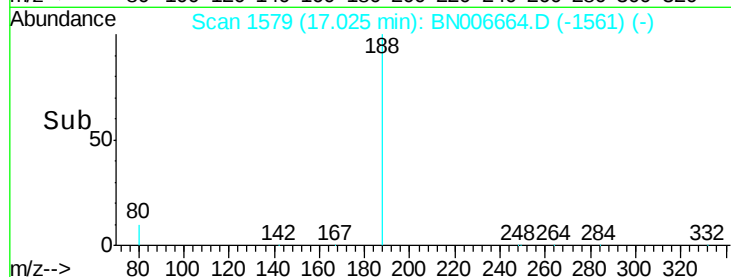
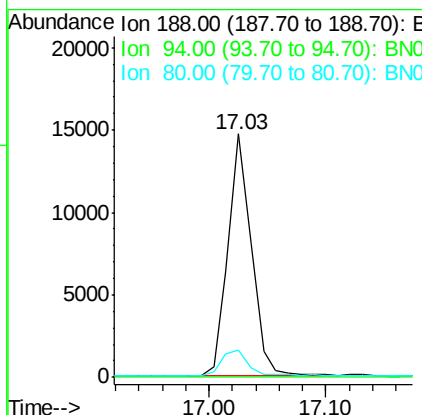
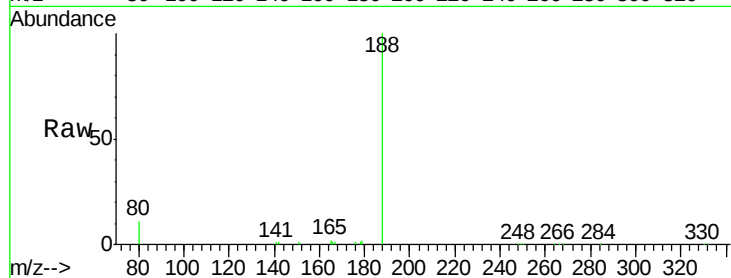
ClientSampleId :

EXT-029-SW169-062019

Tot Ion:	188	Resp:	20395
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.3	7.1	10.7#

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#23

Phenanthrene

Concen: 5.921 ng

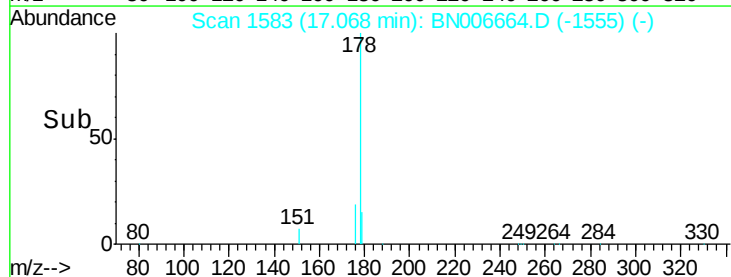
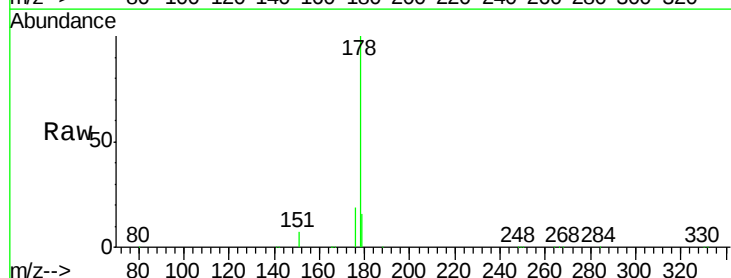
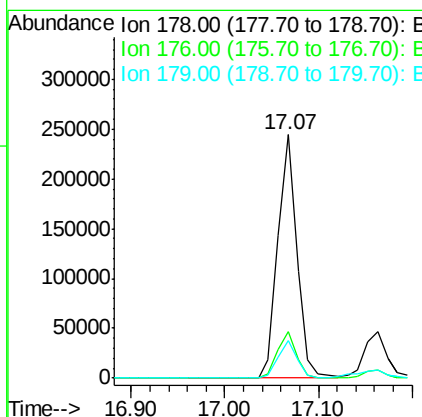
RT: 17.07 min Scan# 1583

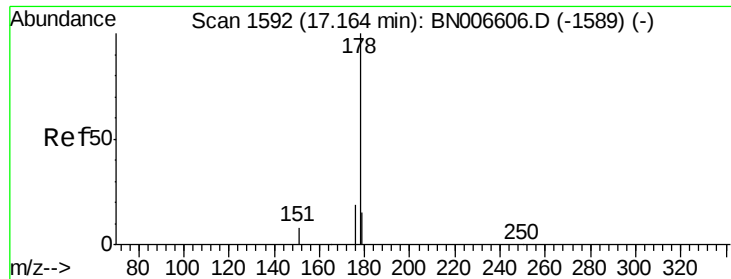
Delta R.T. -0.00 min

Lab File: BN006664.D

Acq: 01 Jul 2019 17:03

Tgt Ion:	178	Resp:	343348
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	15.4	12.2	18.4





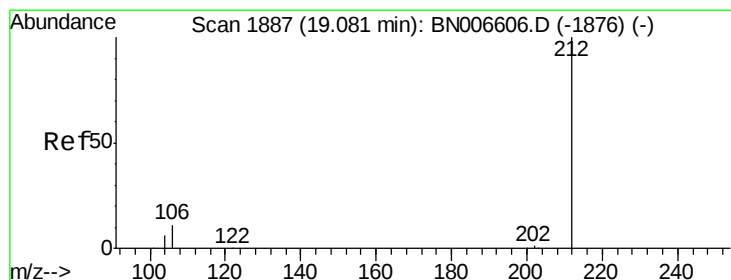
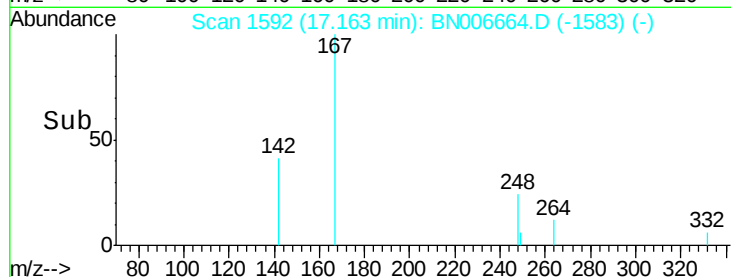
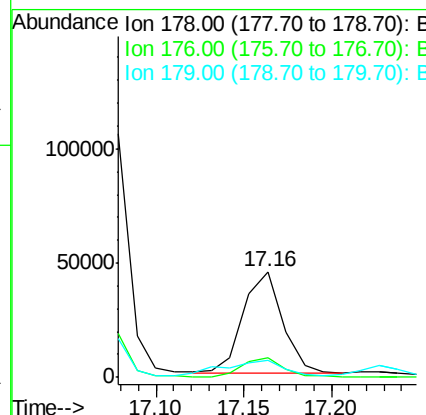
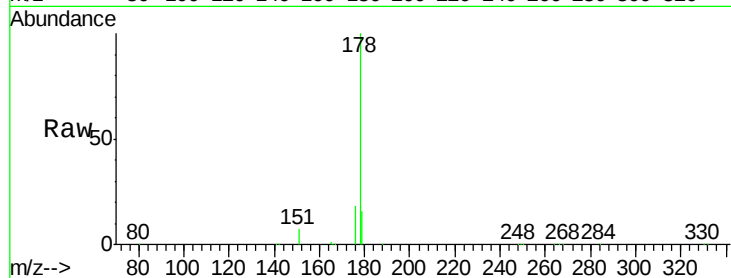
#24
 Anthracene
 Concen: 1.361 ng
 RT: 17.16 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BN006664.D
 Acq: 01 Jul 2019 17:03

Instrument :
 BNA_N
 ClientSampleId :
 EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	22.3	12.2	18.2

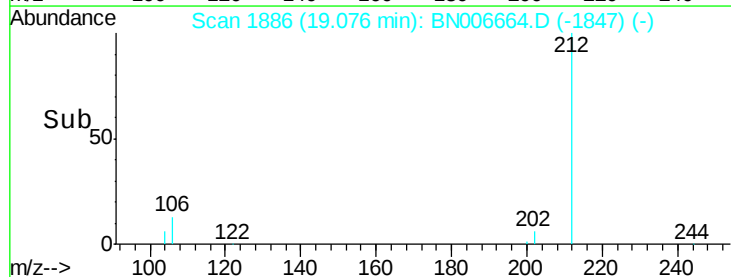
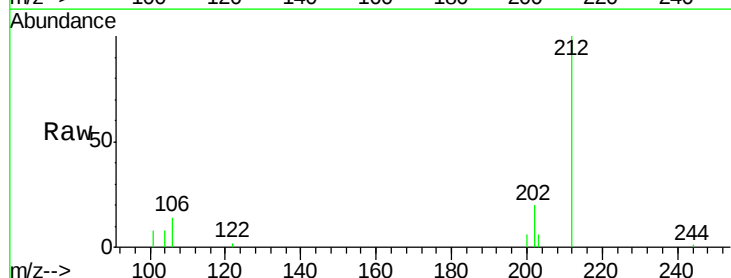
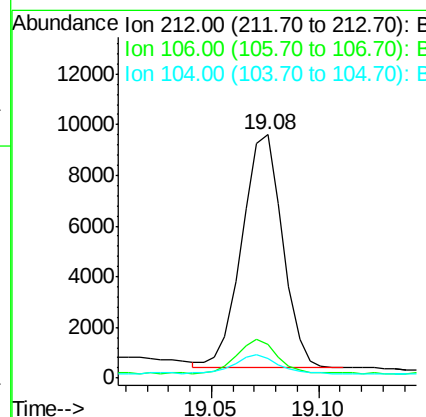
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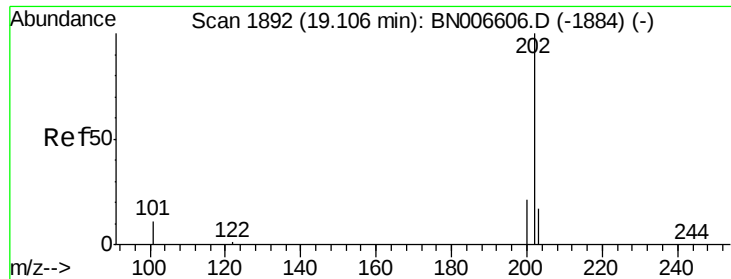
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.203 ng
 RT: 19.08 min Scan# 1886
 Delta R.T. -0.01 min
 Lab File: BN006664.D
 Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.5	10.6	15.8
104	8.9	5.8	8.6





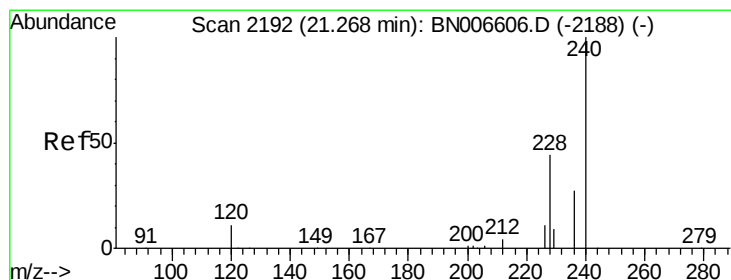
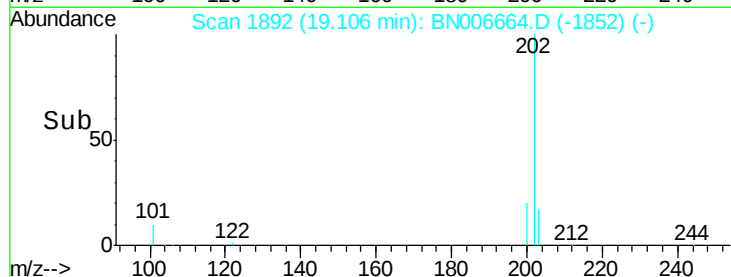
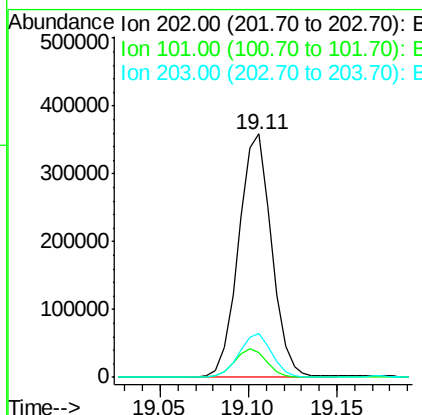
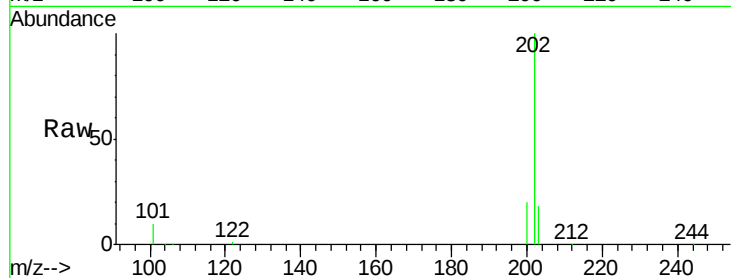
#26
Fluoranthene
Concen: 6.573 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	8.9	13.3
203	17.6	13.6	20.4

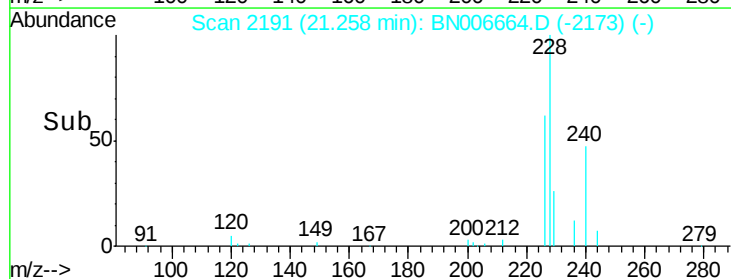
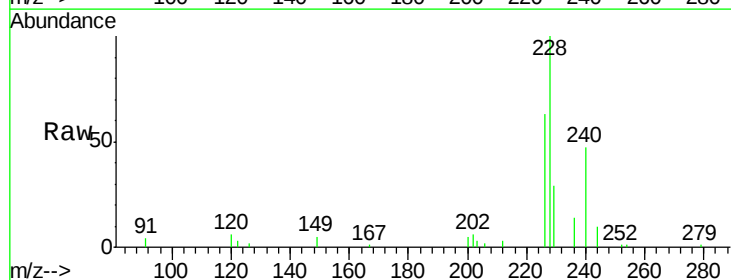
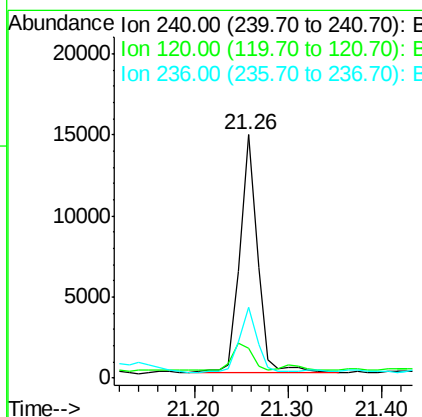
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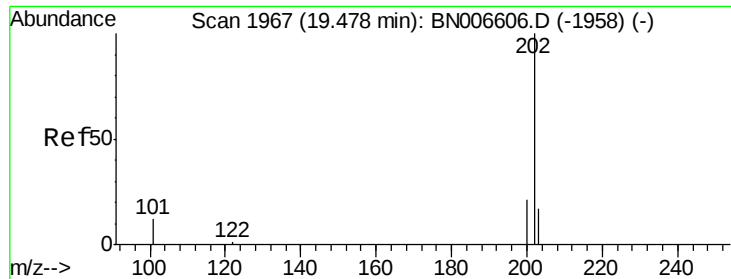
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	9.9	14.9
236	29.3	22.2	33.4





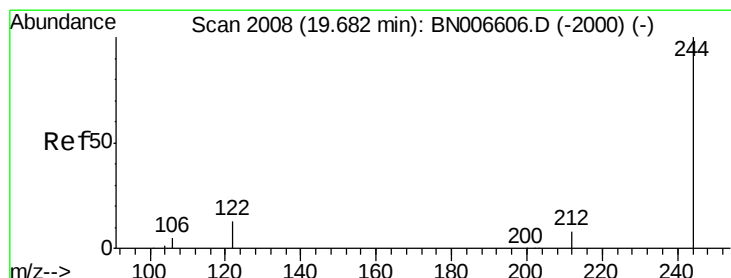
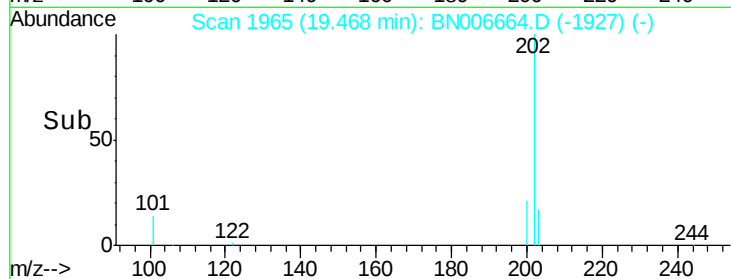
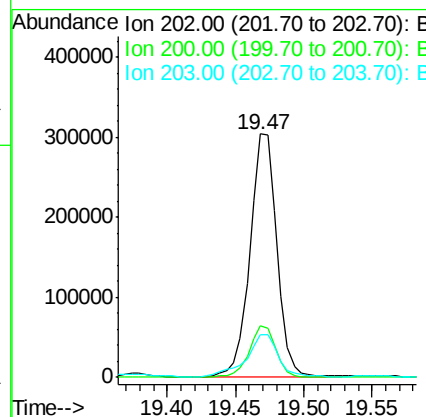
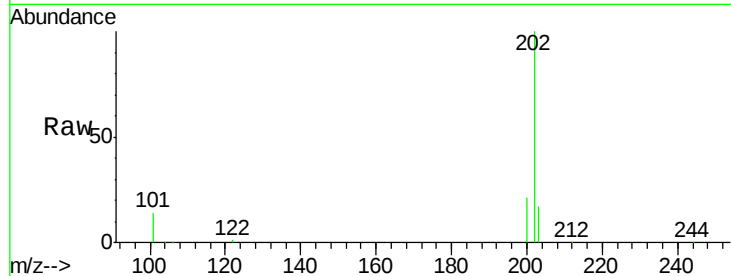
#28
Pvrene
Concen: 6.243 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	16.7	25.1	
203	20.5	14.1	21.1	

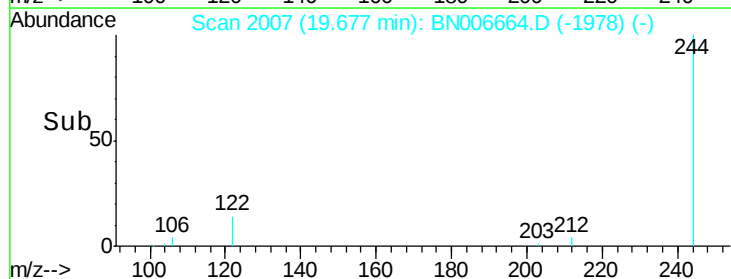
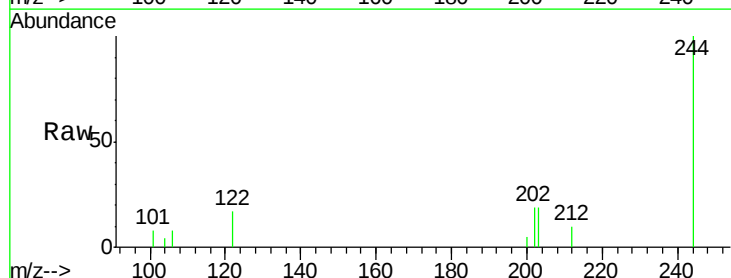
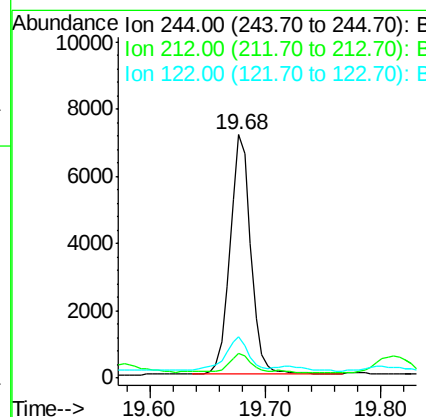
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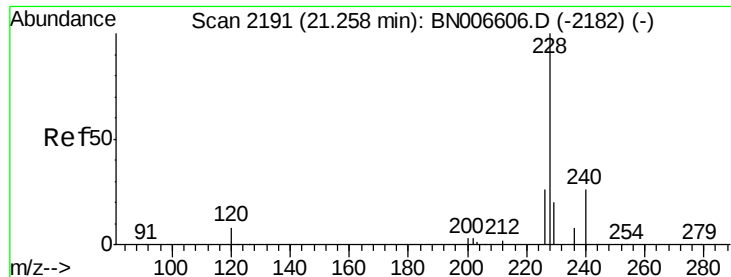
mohammad
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#29
Terphenyl-d14
Concen: 0.224 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	10.2	6.7	10.1#	
122	16.9	11.0	16.6#	





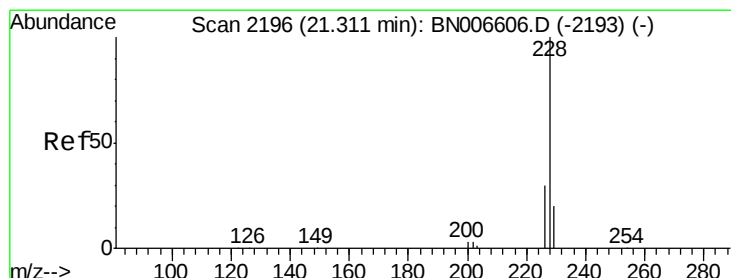
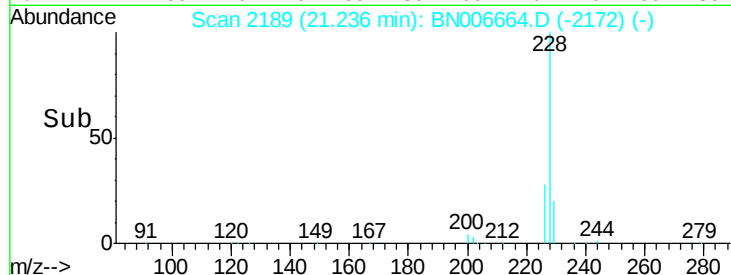
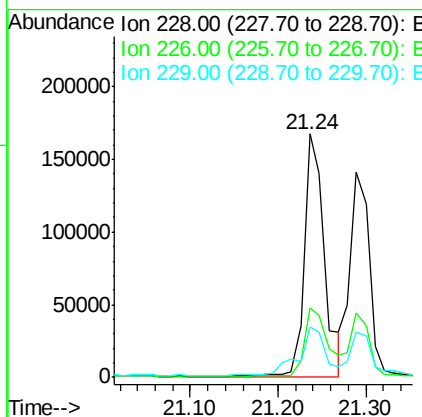
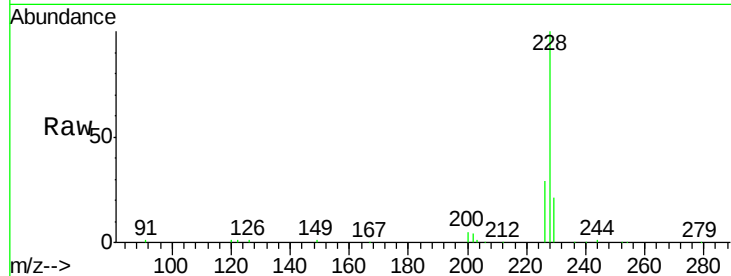
#30
Benzo(a)anthracene
Concen: 4.246 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	28.6	21.2	31.8	
229	20.5	16.1	24.1	

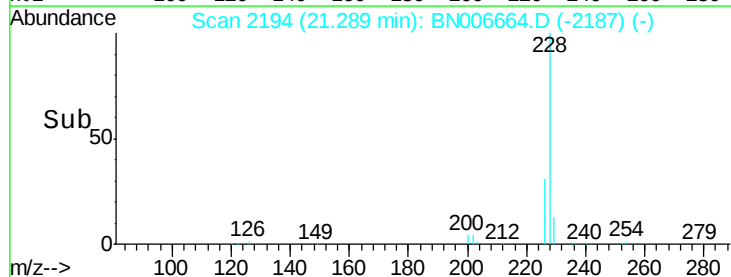
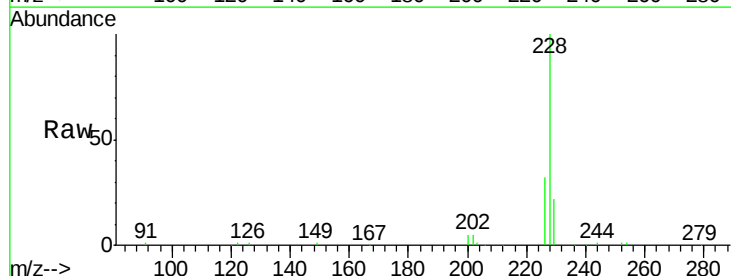
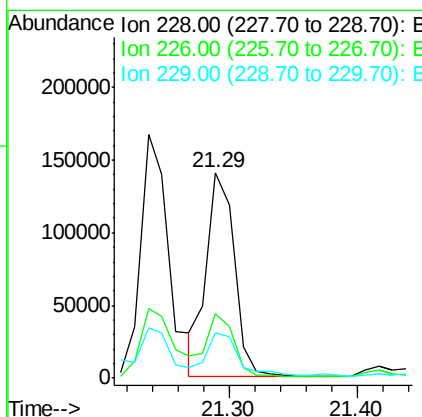
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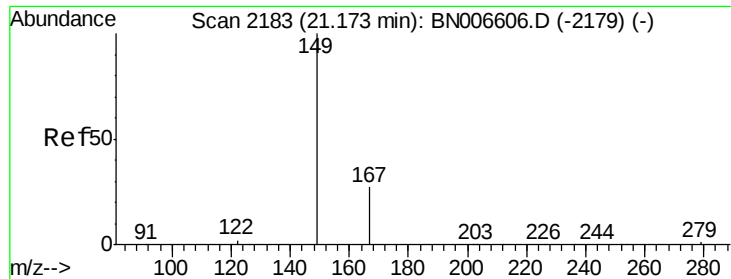
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#31
Chrysene
Concen: 3.186 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.6	23.8	35.6	
229	21.8	15.9	23.9	





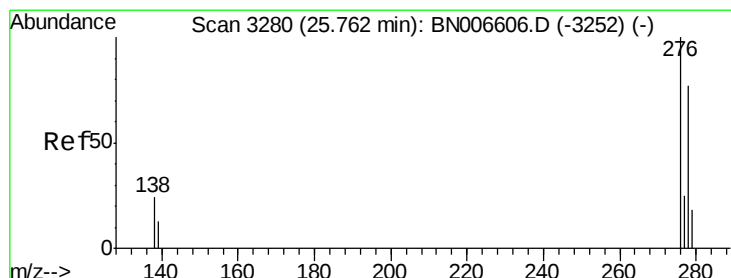
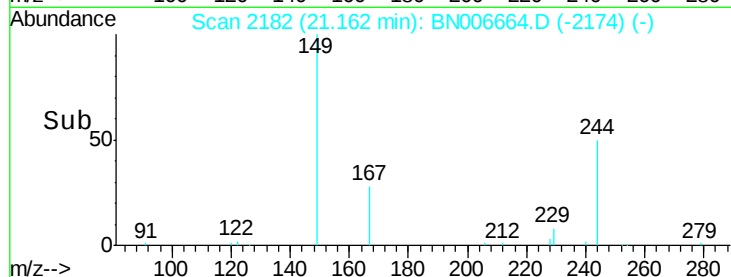
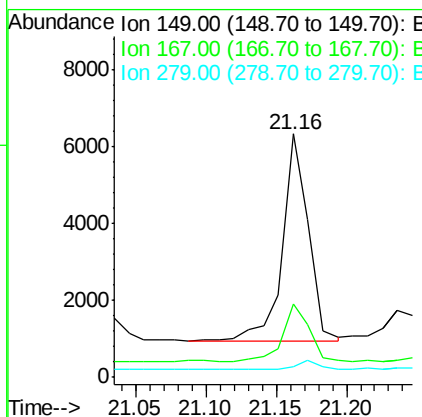
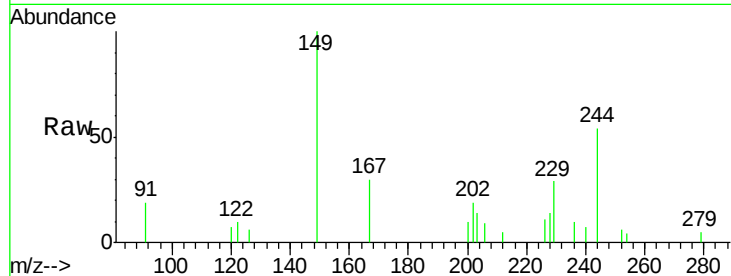
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.222 ng
 RT: 21.16 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BN006664.D
 Acq: 01 Jul 2019 17:03

Instrument :
 BNA_N
 ClientSampleId :
 EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.9	34.3
279	4.3	3.3	4.9

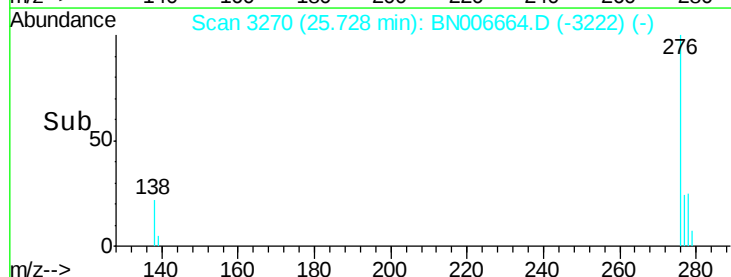
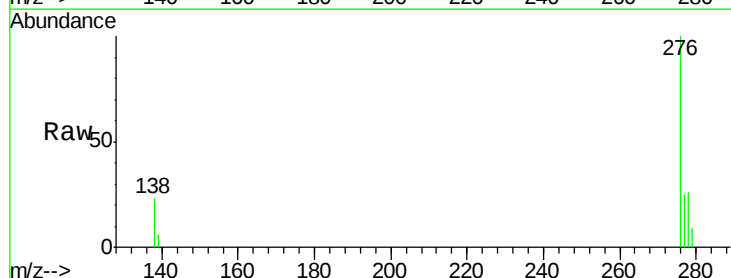
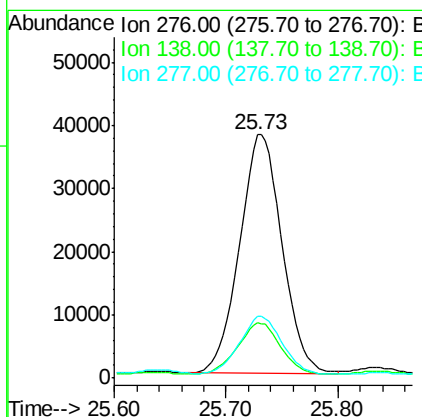
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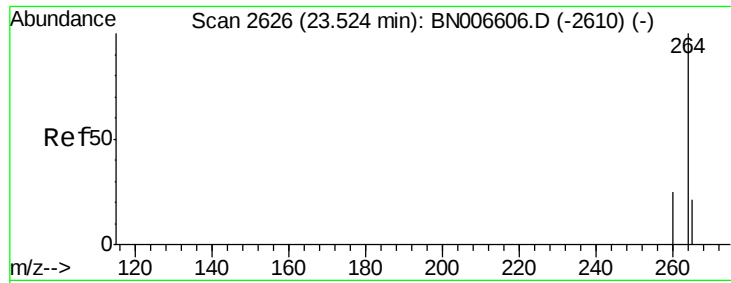
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.470 ng
 RT: 25.73 min Scan# 3270
 Delta R.T. -0.03 min
 Lab File: BN006664.D
 Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.3	28.9
277	24.5	19.9	29.9





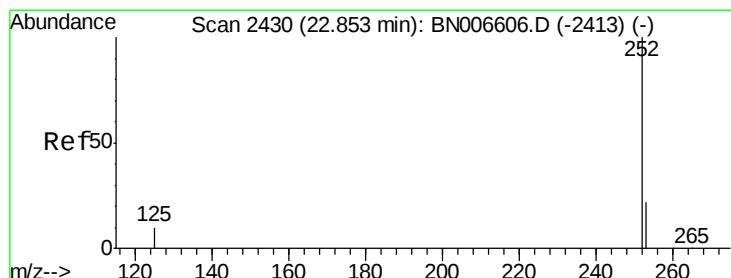
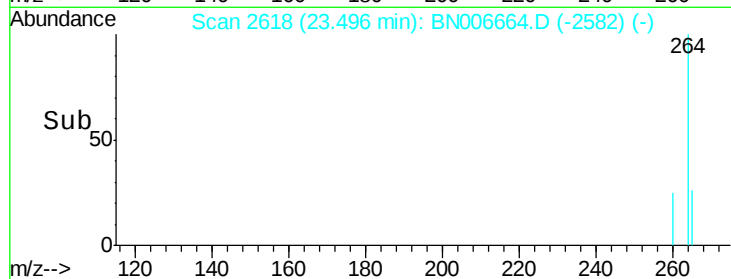
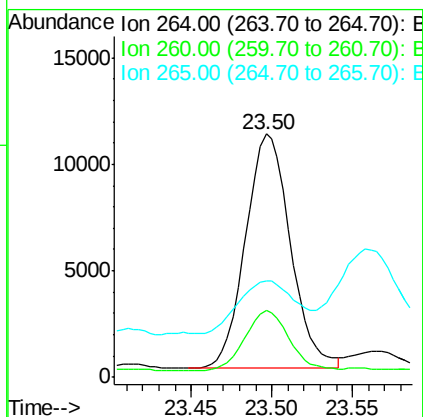
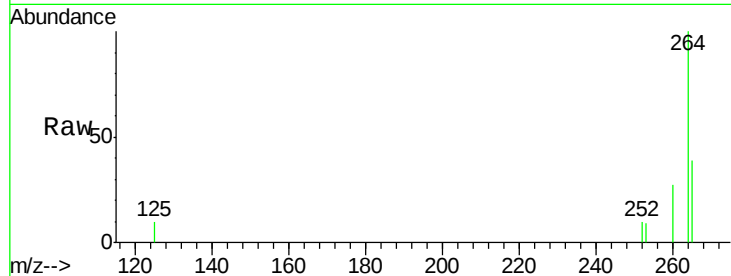
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2618
Delta R.T. -0.03 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.3	20.2	30.2
265	39.4	23.3	34.9

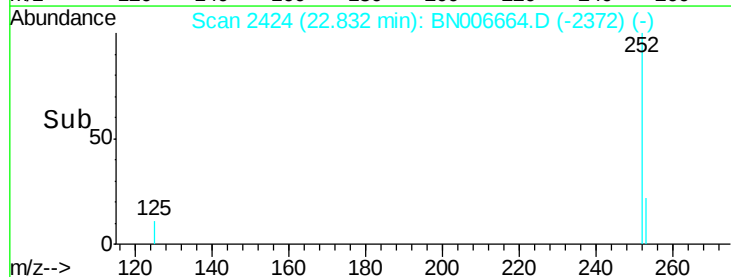
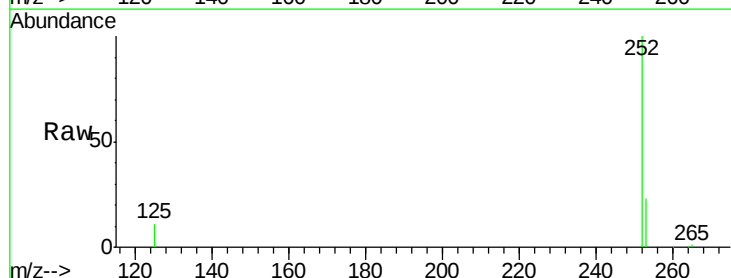
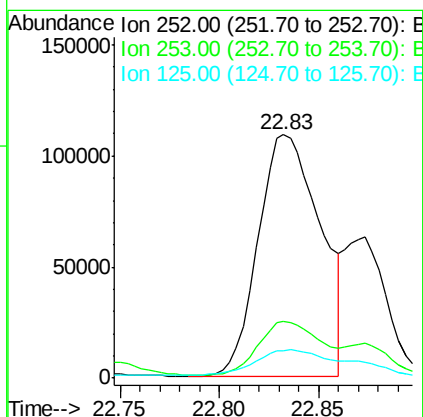
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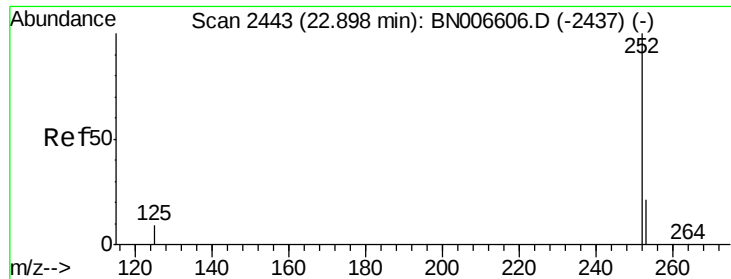
mohammad
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#35
Benzo(b)fluoranthene
Concen: 3.288 ng
RT: 22.83 min Scan# 2424
Delta R.T. -0.02 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	11.5	8.7	13.1





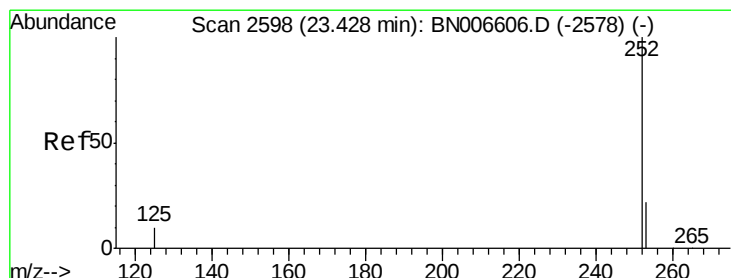
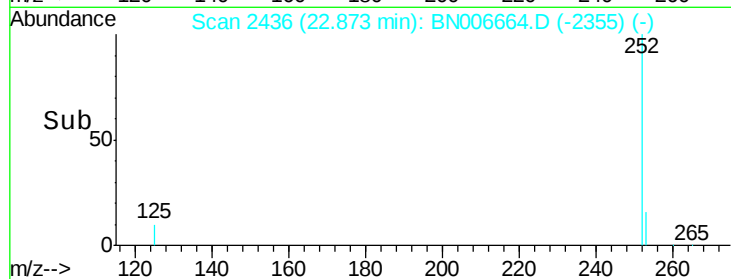
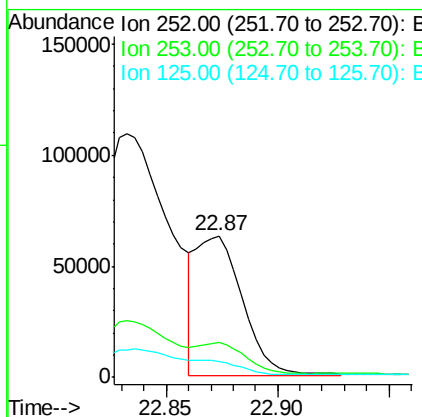
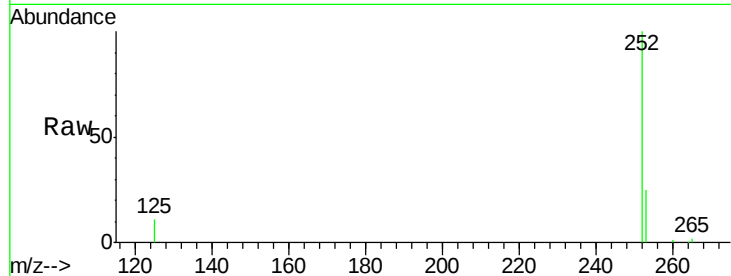
#36
Benzo(k)fluoranthene
Concen: 1.194 ng m
RT: 22.87 min Scan# 2436
Delta R.T. -0.02 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.3	27.5
125	11.5	8.4	12.6

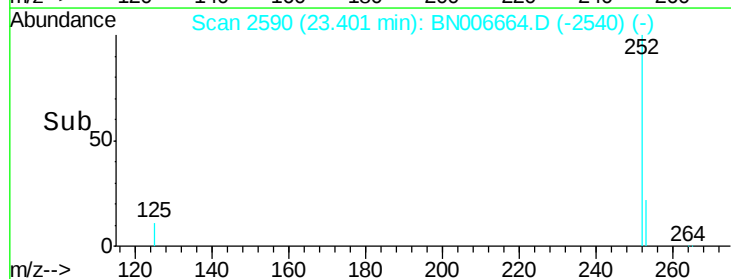
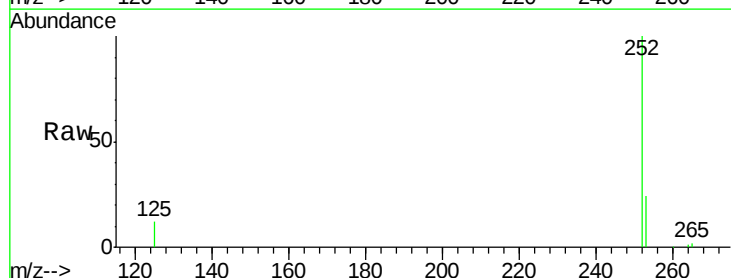
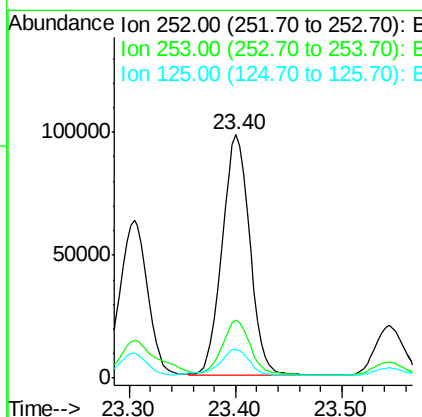
Manual Integrations
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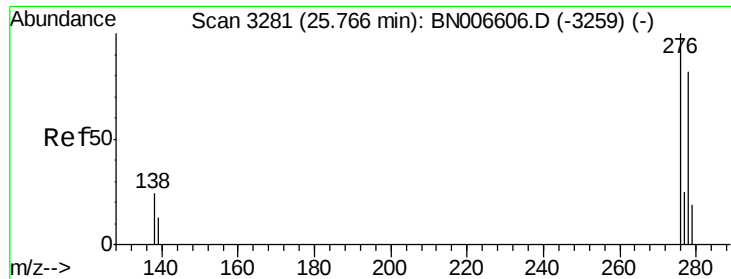
mohammad
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#37
Benzo(a)pyrene
Concen: 2.631 ng
RT: 23.40 min Scan# 2590
Delta R.T. -0.03 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.8	28.2
125	11.9	9.4	14.2





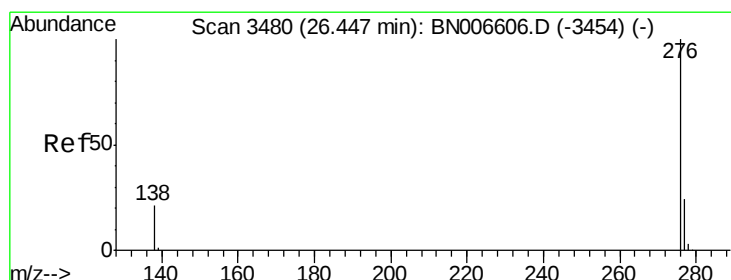
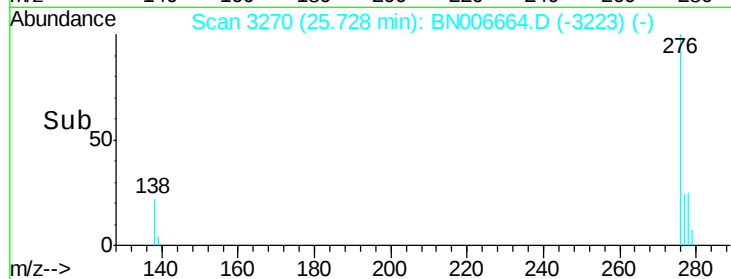
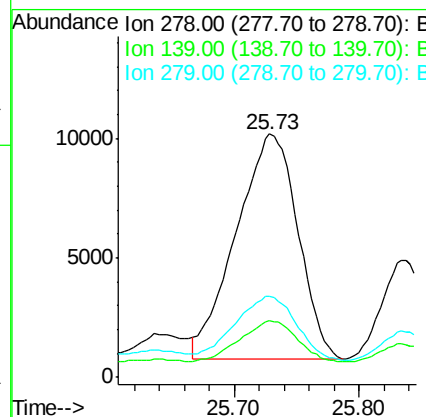
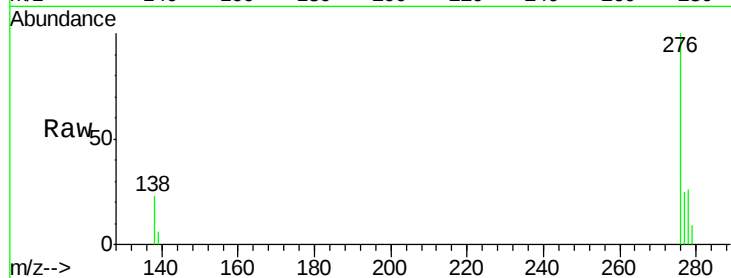
#38
Dibenzo(a,h)anthracene
Concen: 0.552 ng
RT: 25.73 min Scan# 3270
Delta R.T. -0.04 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW169-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.2	13.5	20.3#
279	33.5	19.4	29.2#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 1.529 ng
RT: 26.41 min Scan# 3470
Delta R.T. -0.03 min
Lab File: BN006664.D
Acq: 01 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	22.9	17.7	26.5

