

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006662.D
 Acq On : 01 Jul 2019 15:54
 Operator : HP/JU
 Sample : K3504-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-029-SW157-062019

Manual Integrations
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Quant Time: Jul 02 05:32:37 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	4241	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	17059	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9335	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	19906	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	17855	0.40	ng	0.00
34) Perylene-d12	23.51	264	20104	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	3932	0.38	ng	0.00
5) Phenol-d6	6.81	99	5405	0.39	ng	-0.02
8) Nitrobenzene-d5	8.79	82	3671	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	8332	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1491	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	10891	0.31	ng	-0.01
25) Fluoranthene-d10	19.08	212	15411	0.26	ng	0.00
29) Terphenyl-d14	19.68	244	10470	0.28	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.45	128	2287	0.051	ng	# 86
12) 2-Methylnaphthalene	12.07	142	1382	0.045	ng	# 91
16) Acenaphthylene	13.99	152	12445	0.280	ng	99
17) Acenaphthene	14.33	154	1180	0.040	ng	97
18) Fluorene	15.34	166	2595	0.070	ng	# 85
23) Phenanthrene	17.07	178	68183	1.205	ng	100
24) Anthracene	17.16	178	11089	0.226	ng	97
26) Fluoranthene	19.11	202	123072	1.789	ng	99
28) Pyrene	19.47	202	131003	2.097	ng	97
30) Benzo(a)anthracene	21.25	228	59712	1.023	ng	95
31) Chrysene	21.30	228	68675	1.091	ng	97
32) Bis(2-ethylhexyl)phthalate	21.17	149	276666	9.417	ng	100
33) Indeno(1,2,3-cd)pyrene	25.75	276	39018	0.613	ng	96
35) Benzo(b)fluoranthene	22.85	252	80308	1.174	ng	# 96
36) Benzo(k)fluoranthene	22.88	252	27251m	0.374	ng	
37) Benzo(a)pyrene	23.41	252	56663	0.886	ng	96
38) Dibenzo(a,h)anthracene	25.75	278	10811	0.194	ng	# 70
39) Benzo(a,h,i)perylene	26.43	276	40047	0.718	ng	97

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

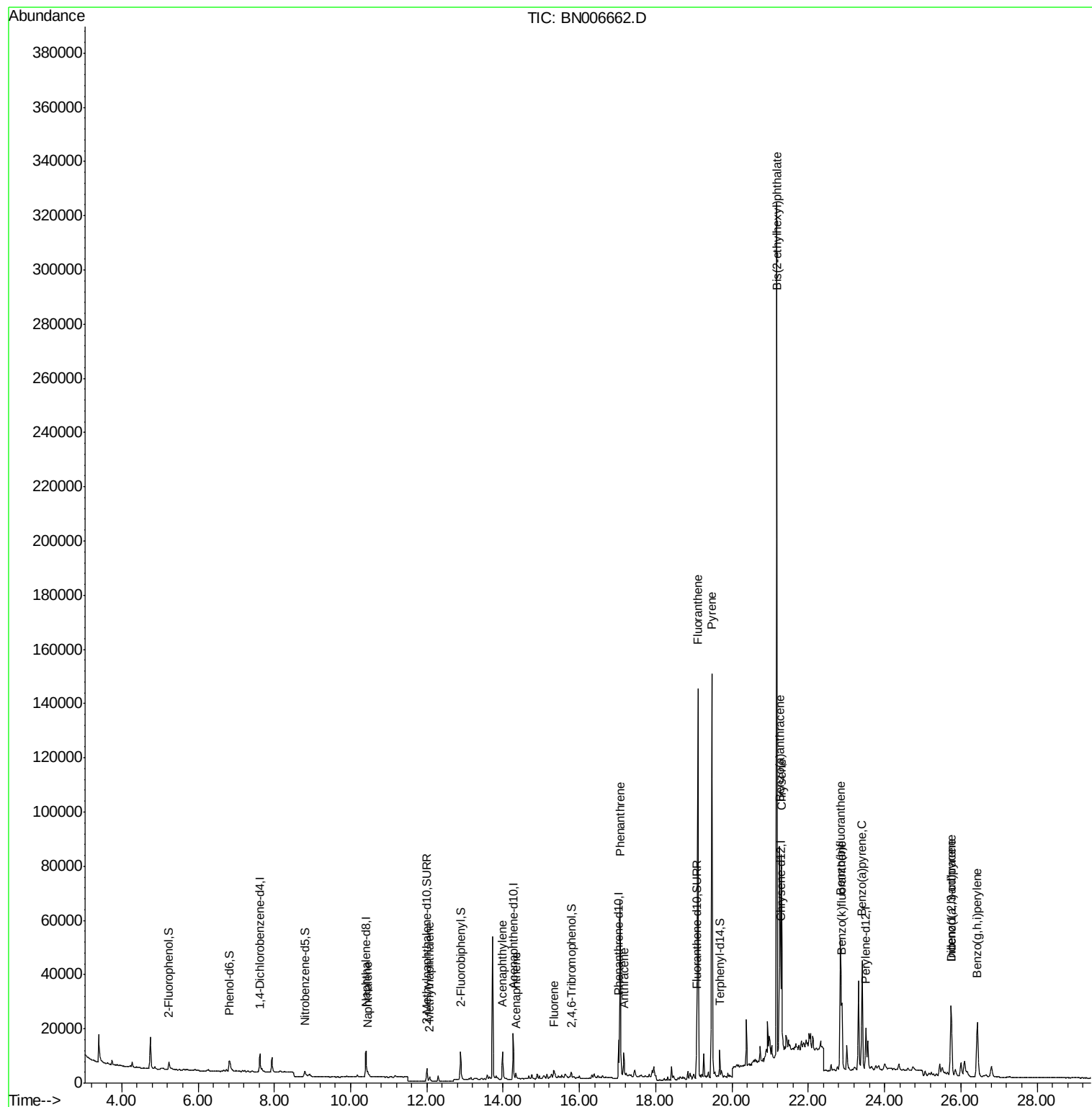
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006662.D
Acq On : 01 Jul 2019 15:54
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Sample : K3504-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

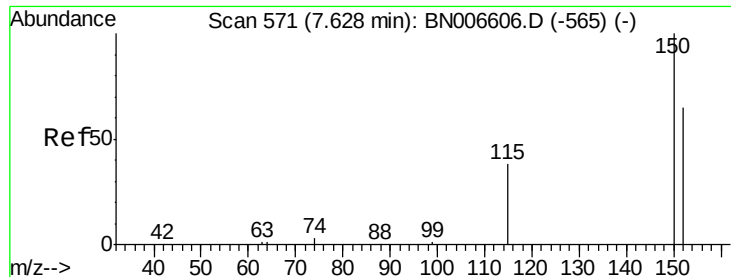
Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

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Quant Time: Jul 02 05:32:37 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

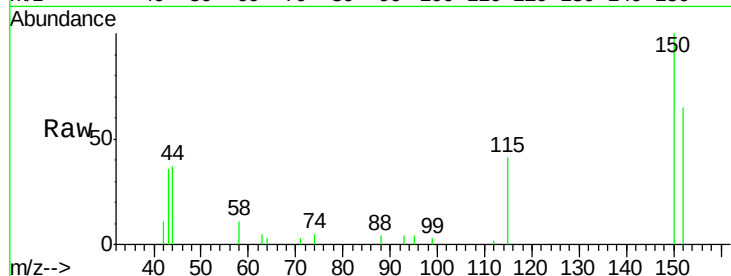
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

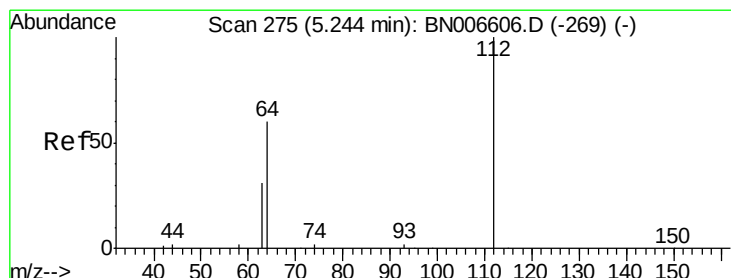
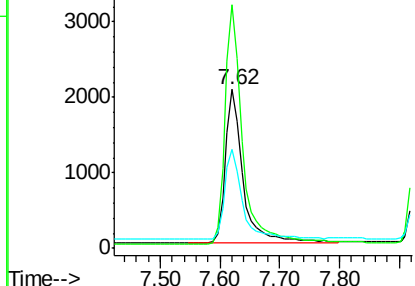
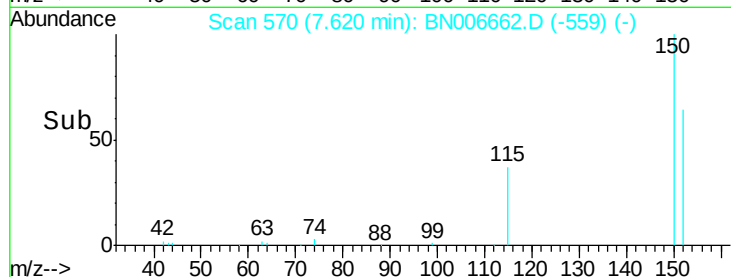
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.2	183.2
115	62.2	50.0	75.0

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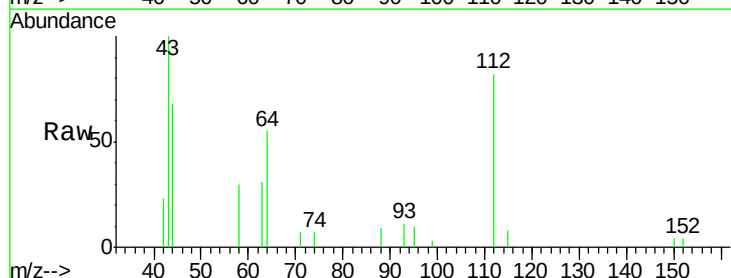
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



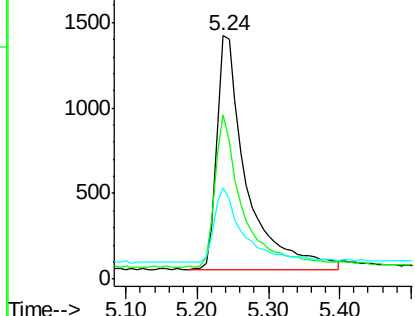
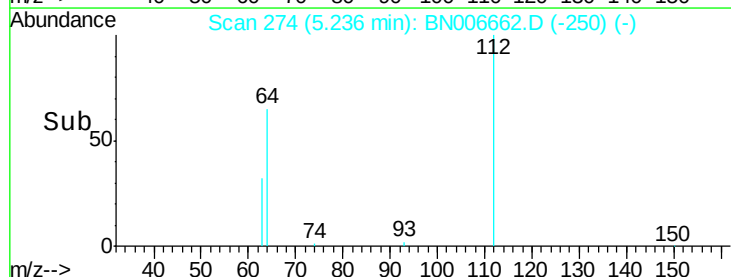
#4

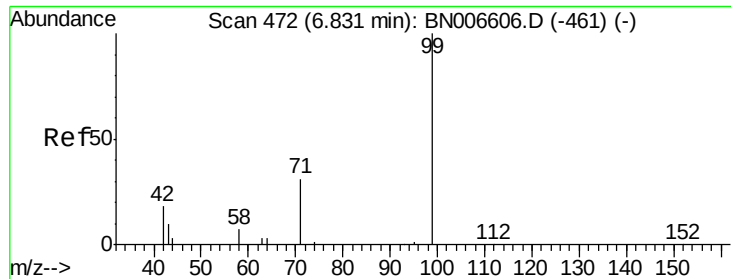
2-Fluorophenol
Concen: 0.378 ng
RT: 5.24 min Scan# 274
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.9	73.3
63	32.4	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.393 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Instrument :

BNA_N

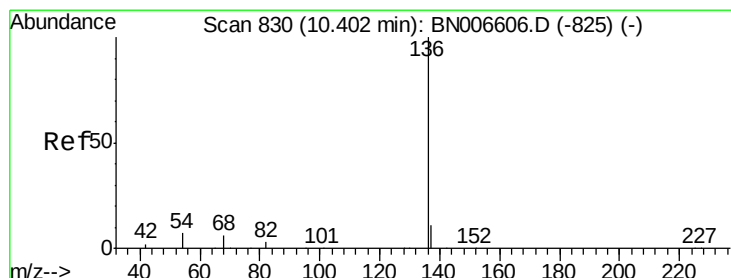
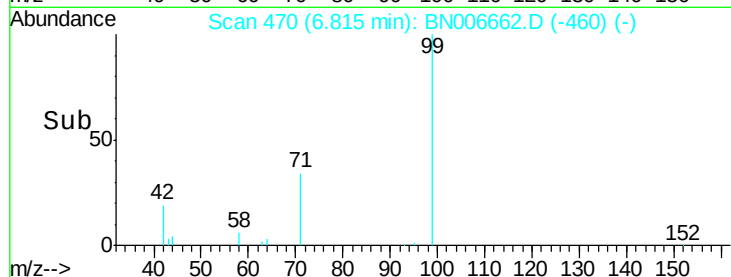
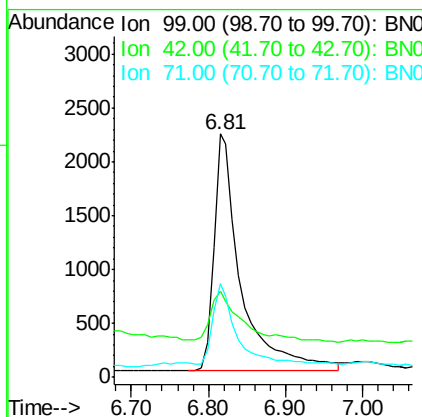
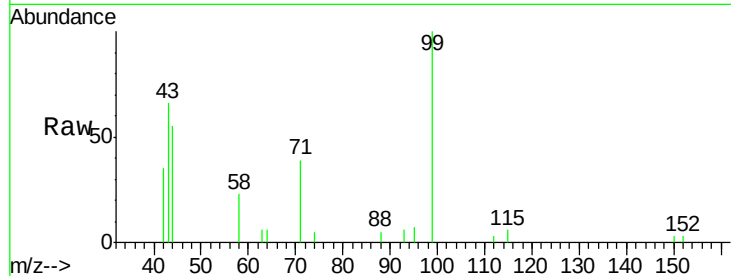
ClientSampleId :

EXT-029-SW157-062019

Tot Ion:	99	Resp:	5405
Ion	Ratio	Lower	Upper
99	100		
42	25.0	16.4	24.6#
71	30.2	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

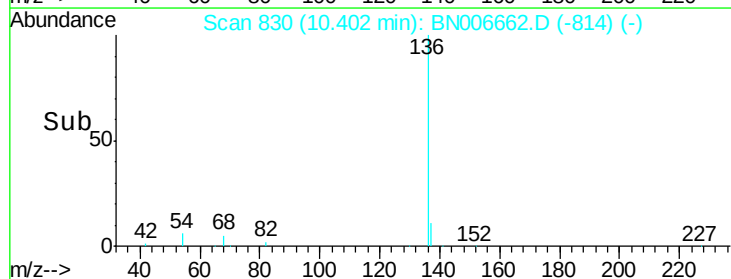
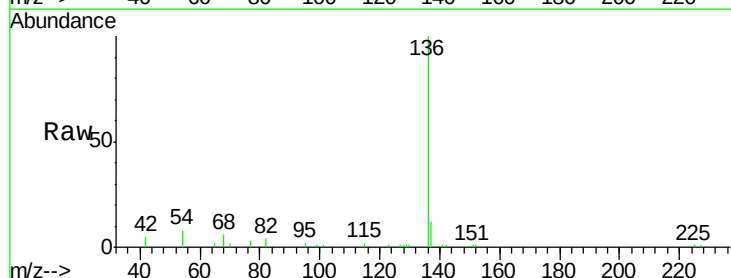
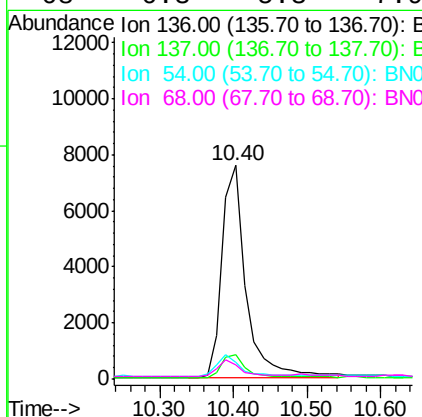
RT: 10.40 min Scan# 830

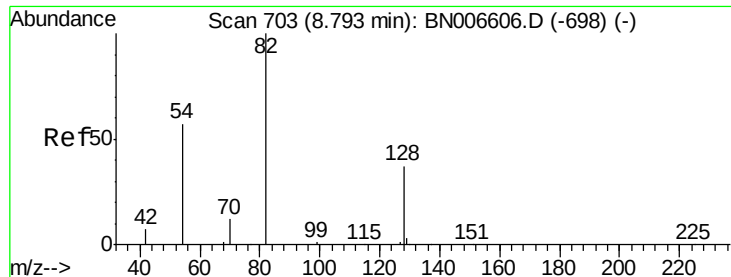
Delta R.T. -0.00 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Tgt Ion:	136	Resp:	17059
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	7.7	6.7	10.1
68	6.3	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.320 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Instrument :

BNA_N

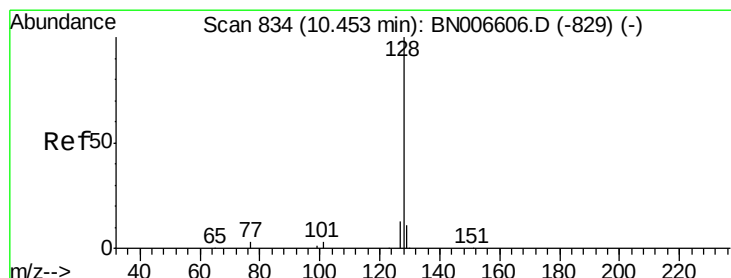
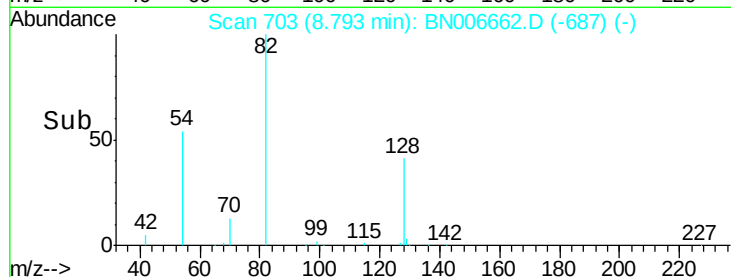
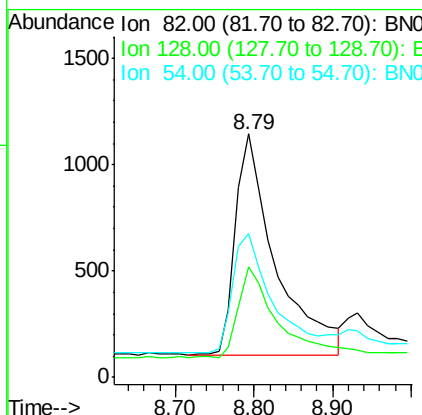
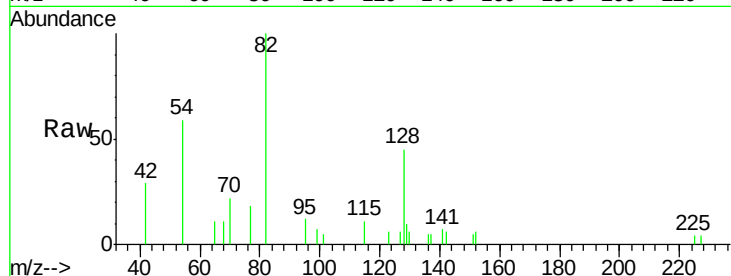
ClientSampleId :

EXT-029-SW157-062019

Tot Ion:	82	Resp:	3671
Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.6	49.0
54	59.0	48.2	72.4

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#9

Naphthalene

Concen: 0.051 ng

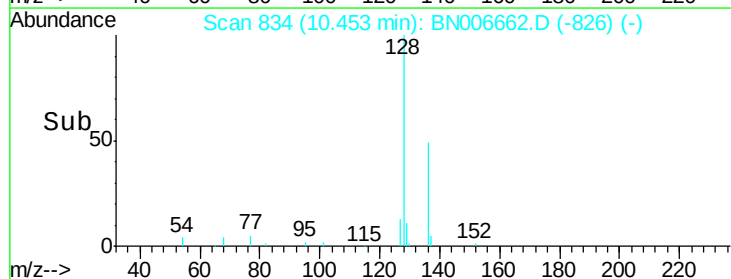
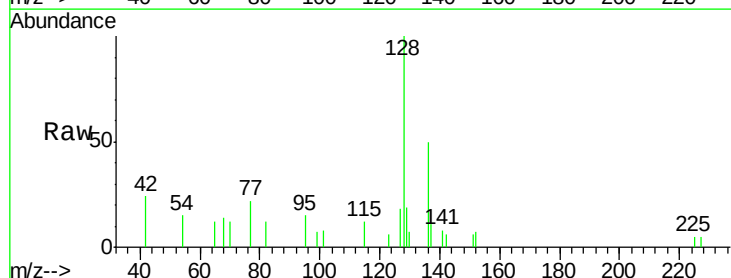
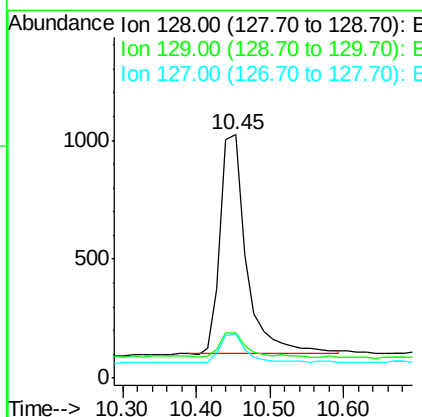
RT: 10.45 min Scan# 834

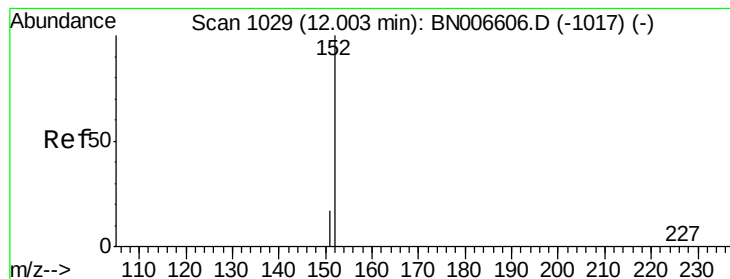
Delta R.T. -0.00 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Tgt Ion:	128	Resp:	2287
Ion	Ratio	Lower	Upper
128	100		
129	18.7	9.3	13.9#
127	18.0	10.8	16.2#





#11

2-Methylnaphthalene-d10

Concen: 0.310 ng

RT: 12.00 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Instrument :

BNA_N

ClientSampleId :

EXT-029-SW157-062019

Tot Ion:152 Resp: 8332

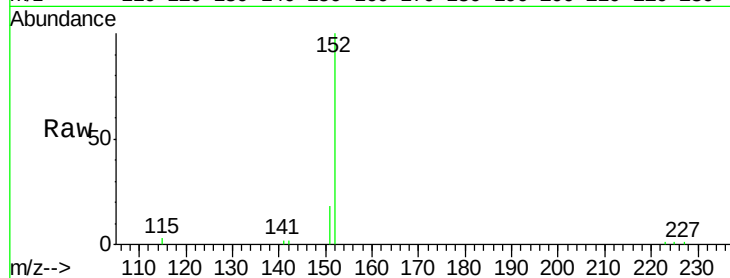
Ion Ratio Lower Upper

152 100

151 18.5 15.0 22.4

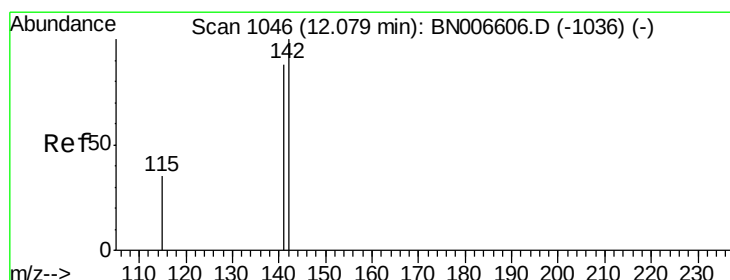
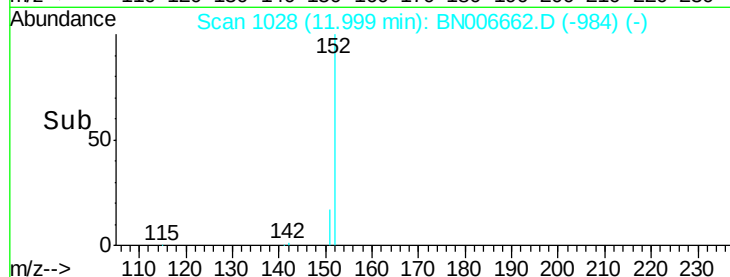
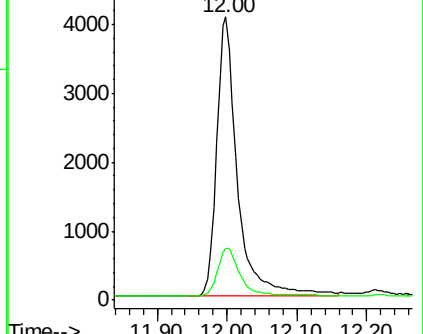
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.045 ng

RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

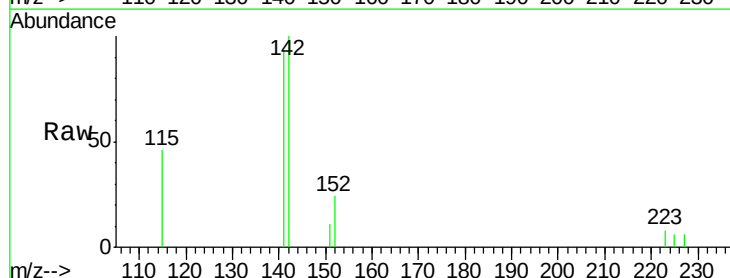
Tgt Ion:142 Resp: 1382

Ion Ratio Lower Upper

142 100

141 92.9 70.2 105.4

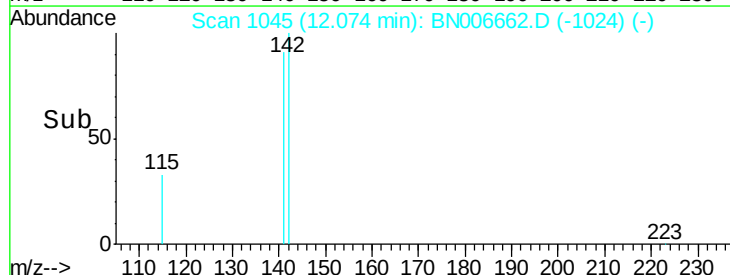
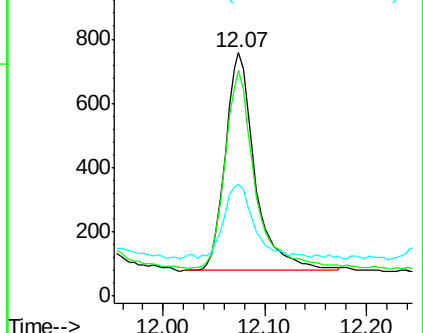
115 46.0 28.5 42.7#

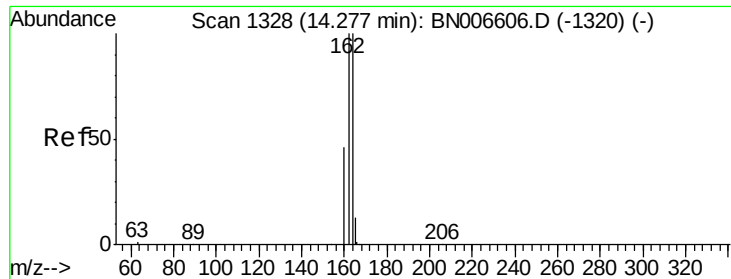


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





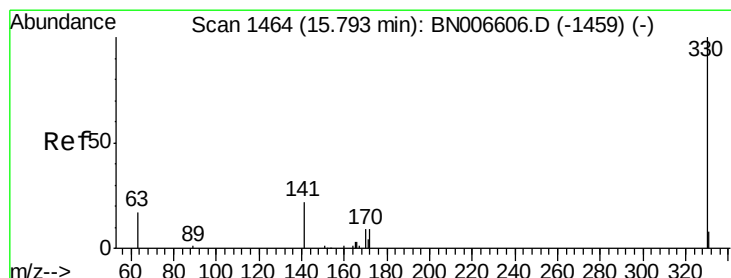
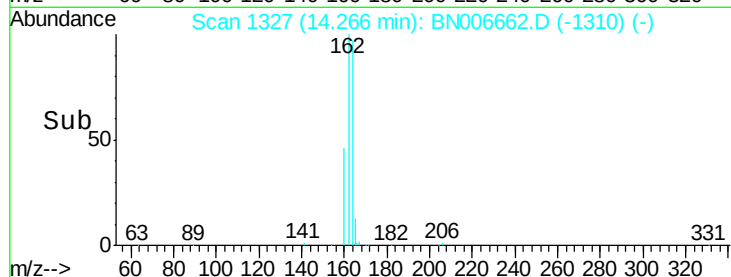
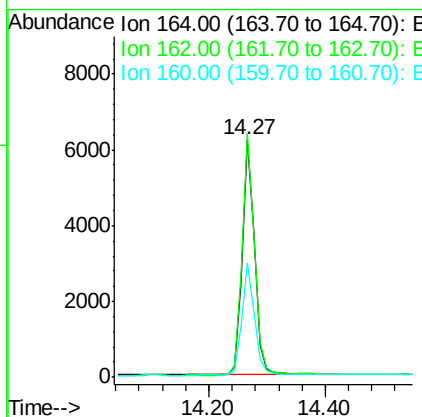
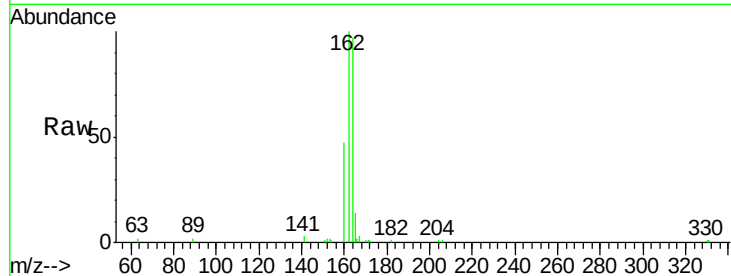
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.0	120.0
160	48.1	37.0	55.4

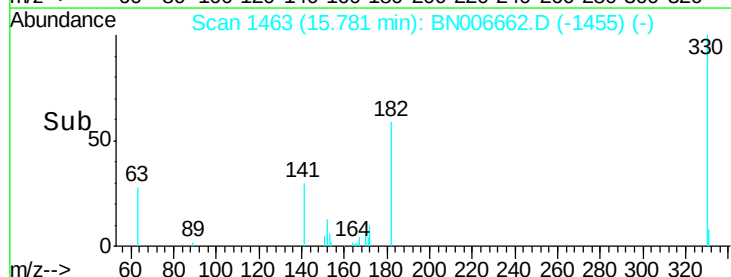
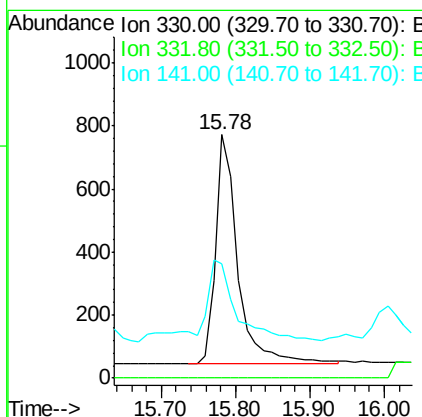
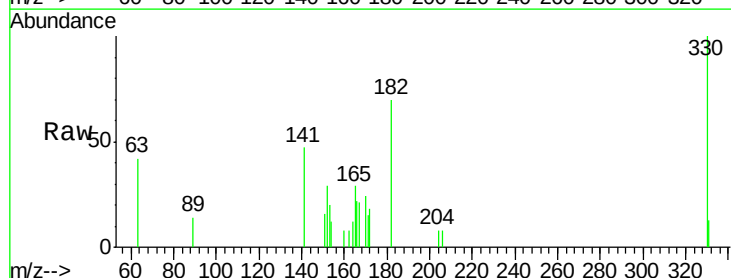
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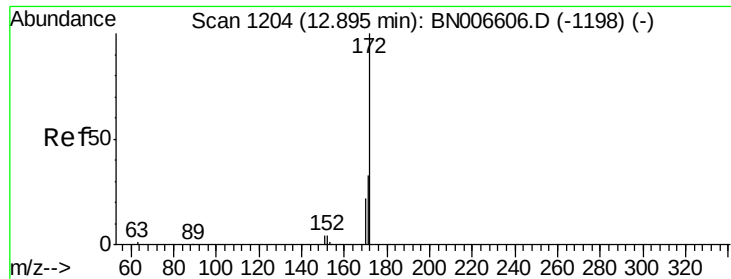
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#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.1	26.5	39.7#





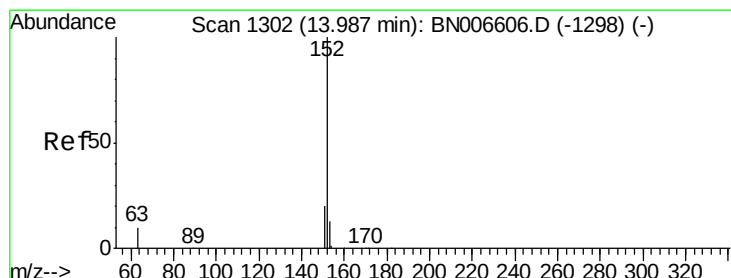
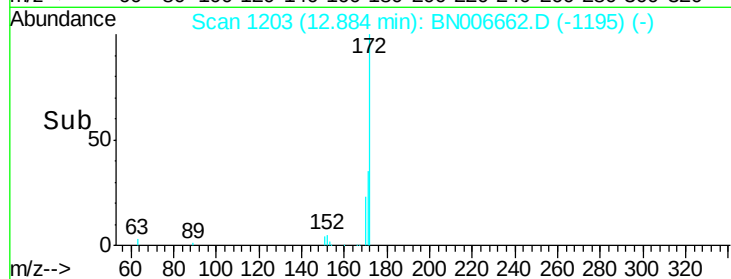
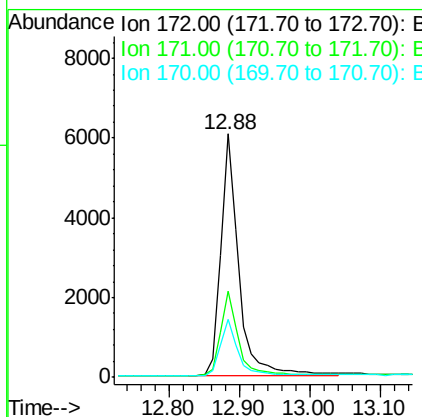
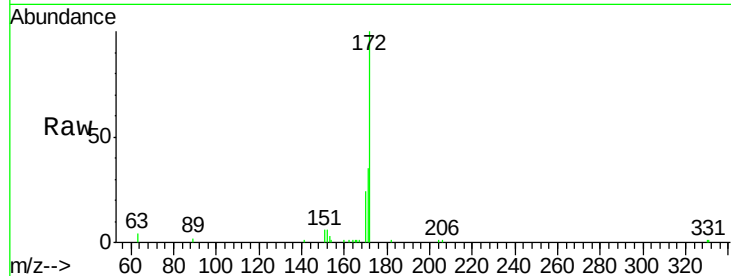
#15
2-Fluorobiphenyl
Concen: 0.315 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.0	40.4
170	23.9	17.7	26.5

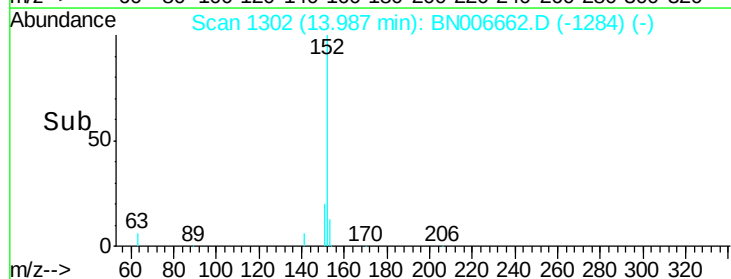
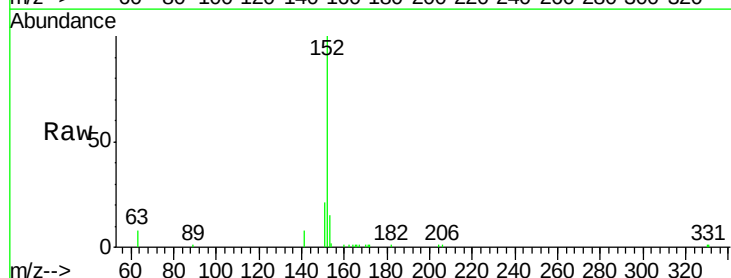
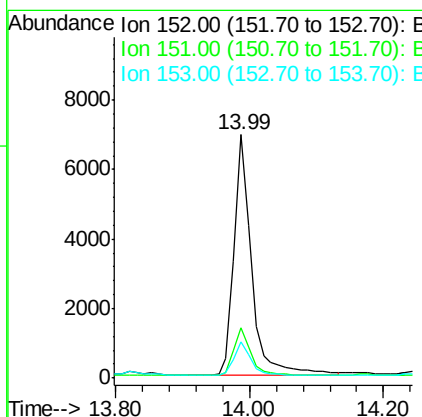
Manual Integrations
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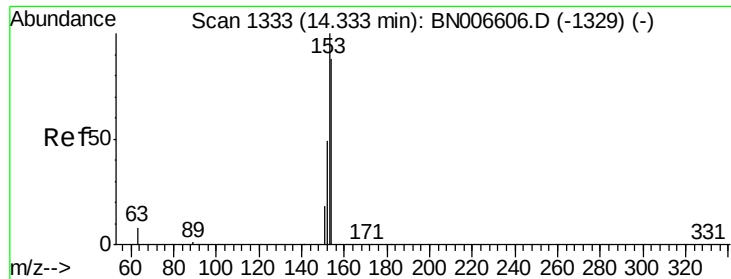
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#16
Acenaphthylene
Concen: 0.280 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.6	10.5	15.7





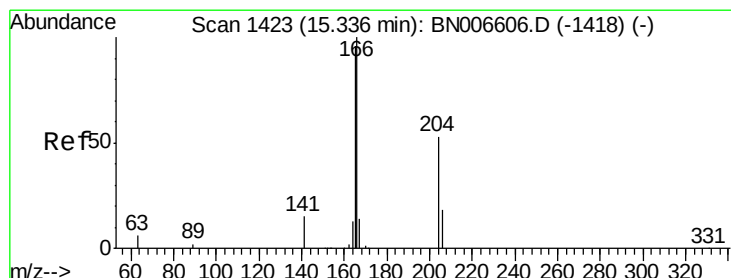
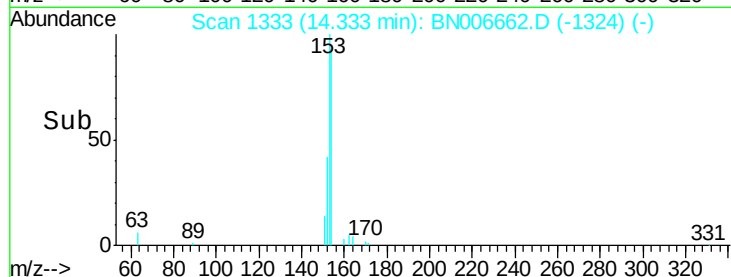
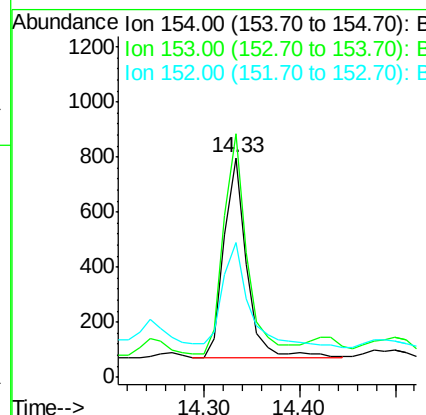
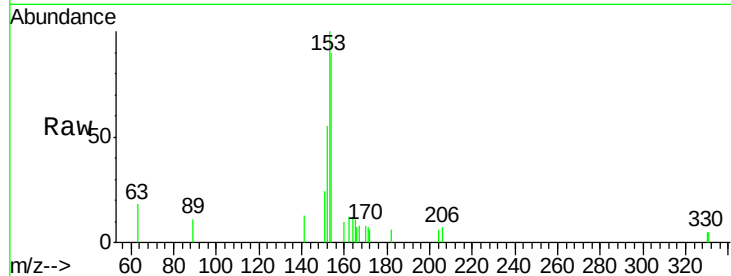
#17
Acenaphthene
Concen: 0.040 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.2	135.4
152	61.5	44.2	66.4

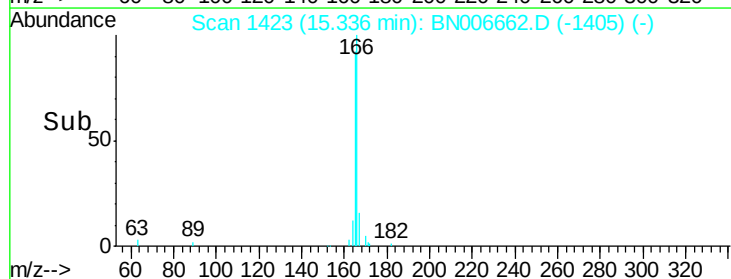
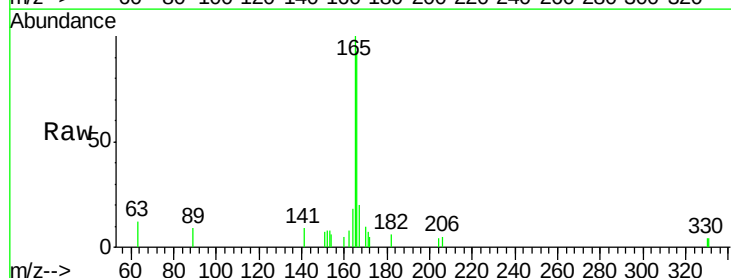
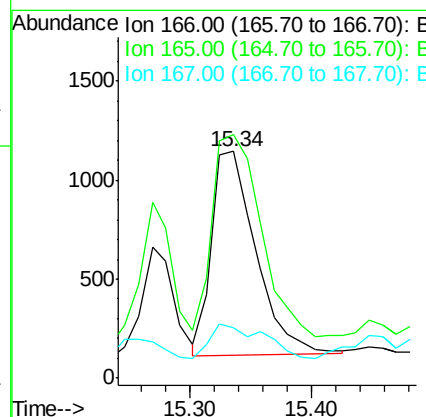
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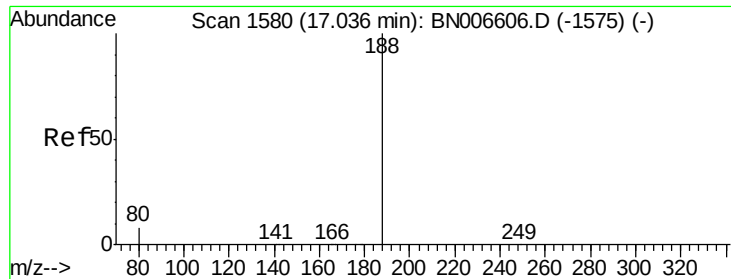
mohammad
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#18
Fluorene
Concen: 0.070 ng
RT: 15.34 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.3	78.4	117.6
167	20.8	10.8	16.2#





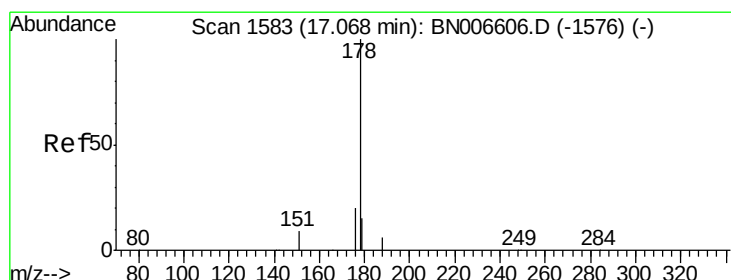
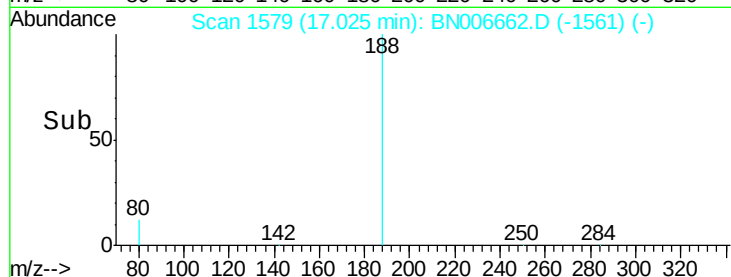
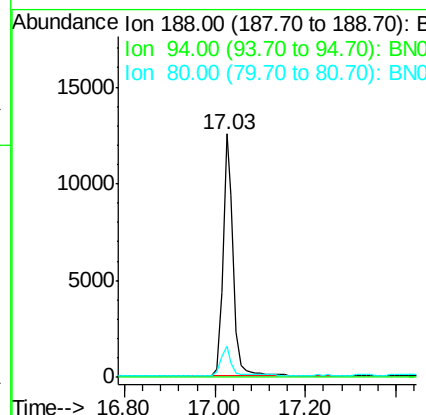
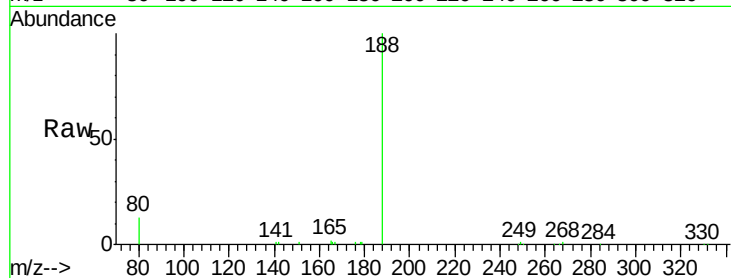
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.03 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	19906		
94	0.0	0.0	0.0	0.0
80	12.8	7.1	10.7	

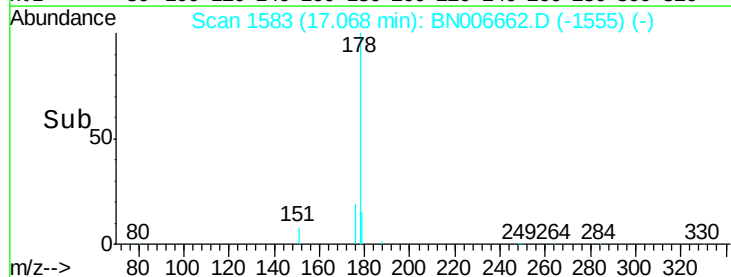
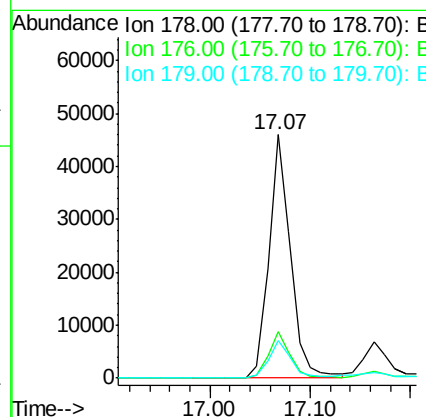
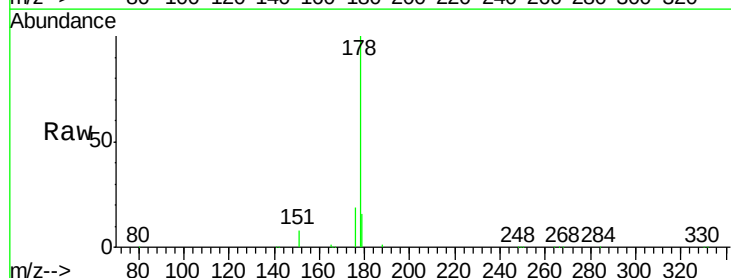
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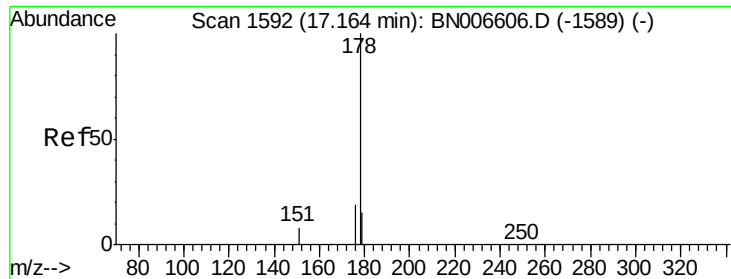
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#23
Phenanthrene
Concen: 1.205 ng
RT: 17.07 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	68183		
176	19.0	15.3	22.9	
179	15.4	12.2	18.4	





#24

Anthracene

Concen: 0.226 ng

RT: 17.16 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Instrument :

BNA_N

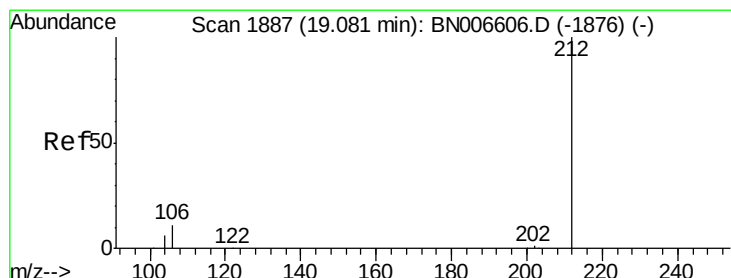
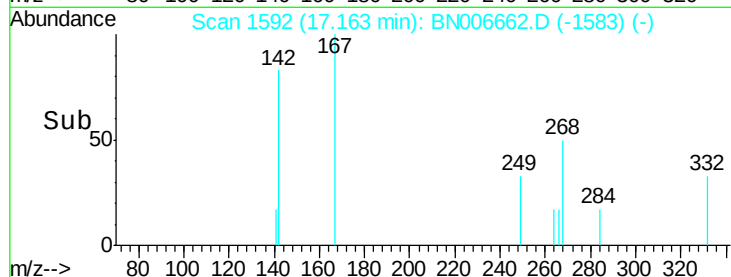
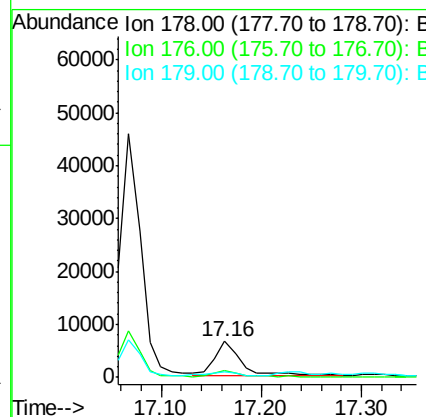
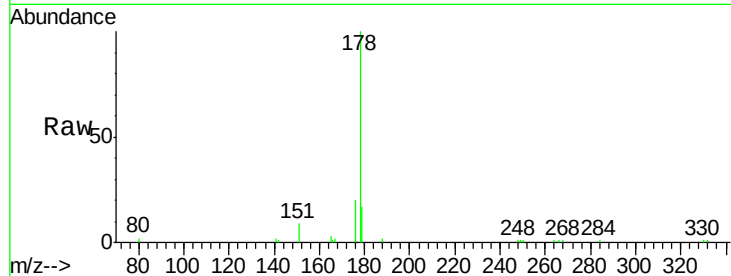
ClientSampleId :

EXT-029-SW157-062019

Tot Ion:	178	Resp:	11089
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.0	22.4
179	13.6	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.264 ng

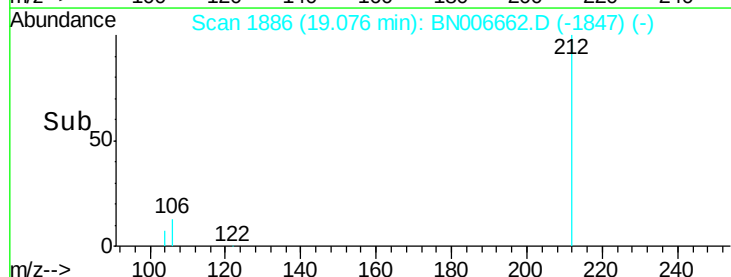
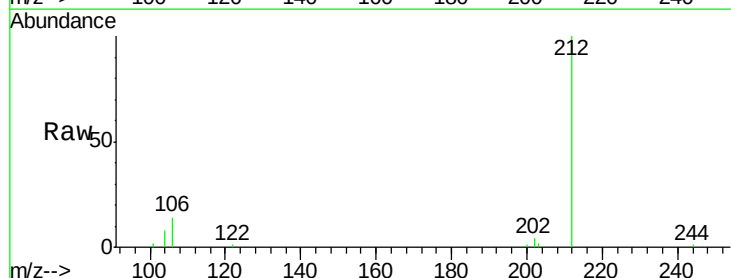
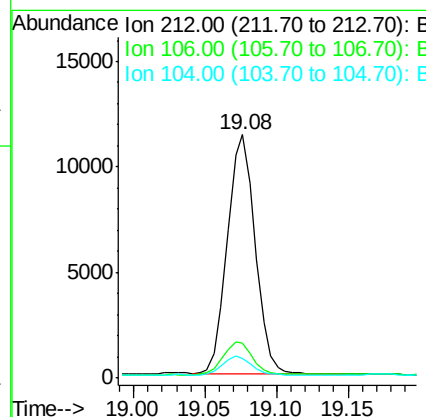
RT: 19.08 min Scan# 1886

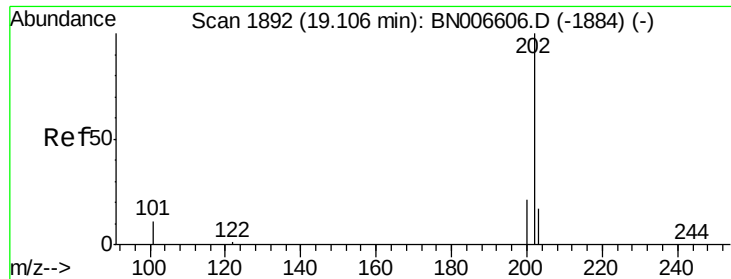
Delta R.T. -0.01 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Tgt Ion:	212	Resp:	15411
Ion Ratio	Lower	Upper	
212	100		
106	14.2	10.6	15.8
104	7.8	5.8	8.6





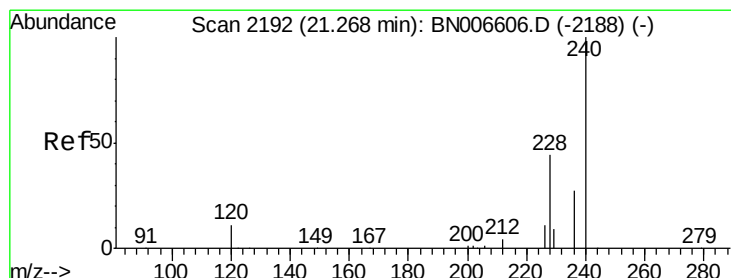
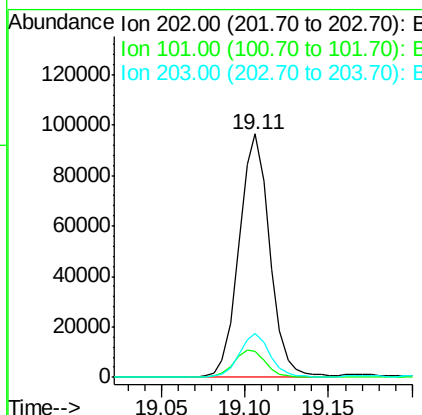
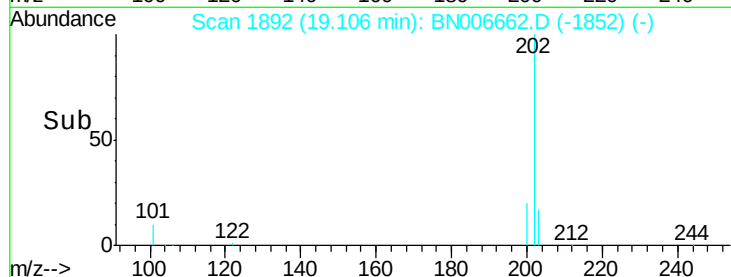
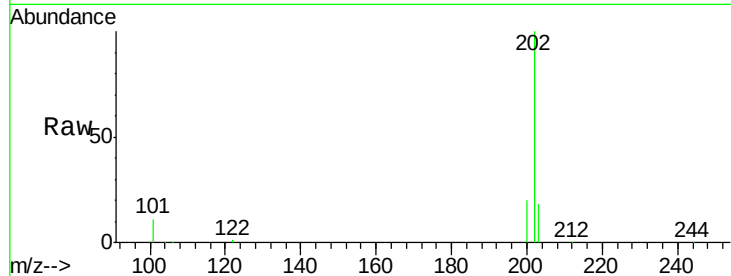
#26
 Fluoranthene
 Concen: 1.789 ng
 RT: 19.11 min Scan# 1892
 Delta R.T. -0.00 min
 Lab File: BN006662.D
 Acq: 01 Jul 2019 15:54

Instrument :
 BNA_N
 ClientSampleId :
 EXT-029-SW157-062019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	123072		
101	11.5	8.9	13.3	
203	17.6	13.6	20.4	

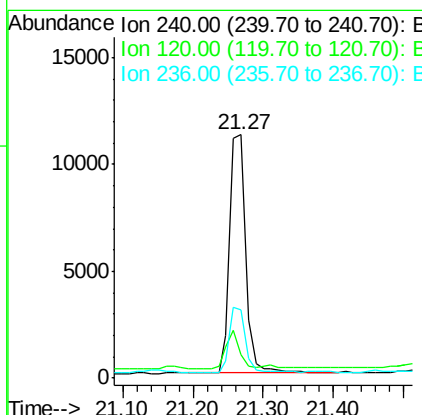
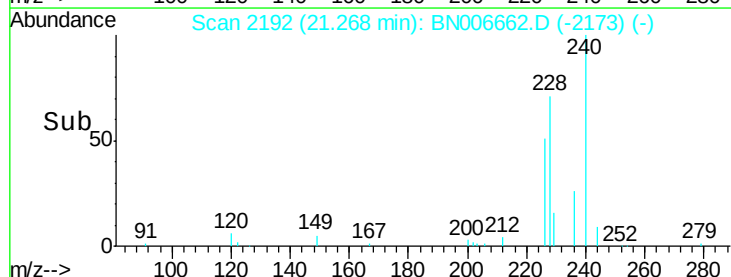
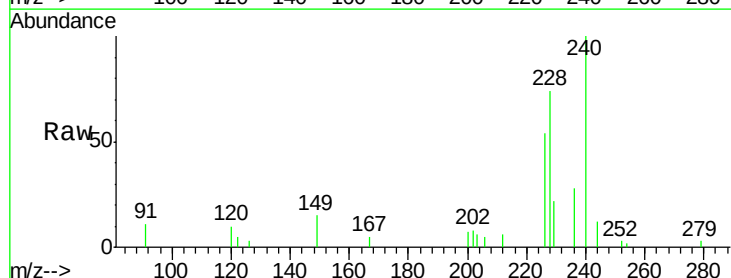
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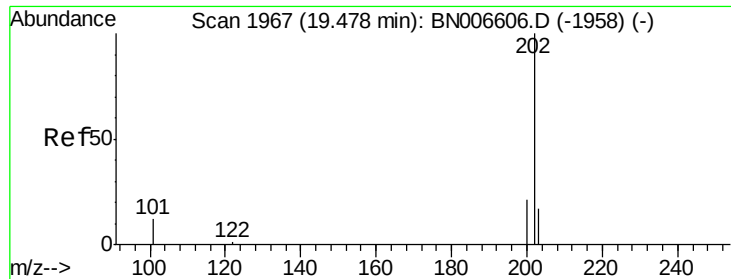
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.27 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: BN006662.D
 Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	17855		
120	9.7	9.9	14.9#	
236	28.1	22.2	33.4	





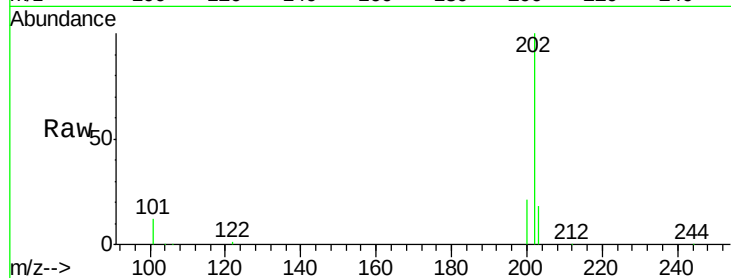
#28
Pvrene
Concen: 2.097 ng
RT: 19.47 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

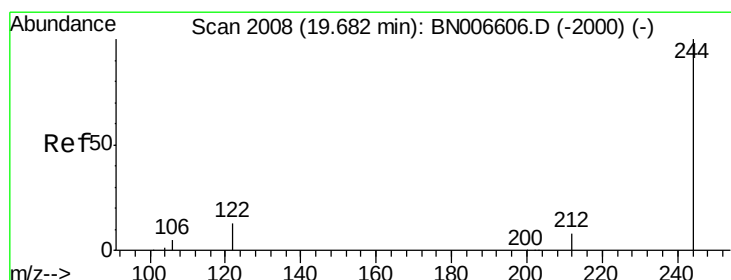
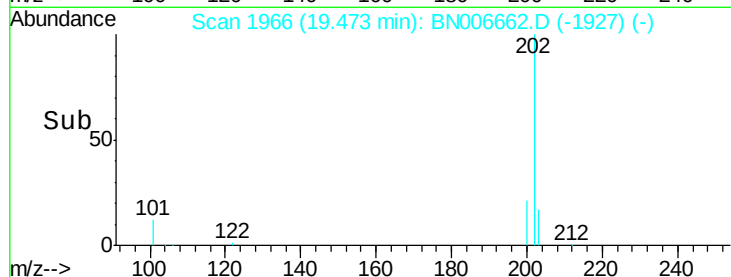
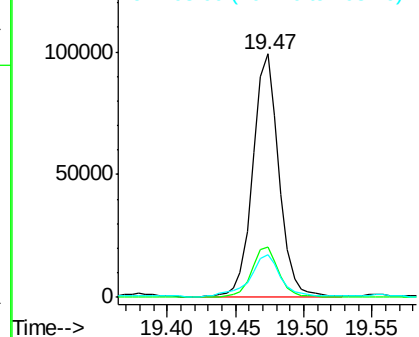
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	16.7	25.1
203	20.0	14.1	21.1

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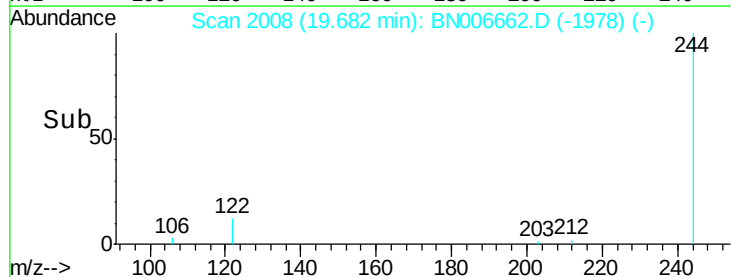
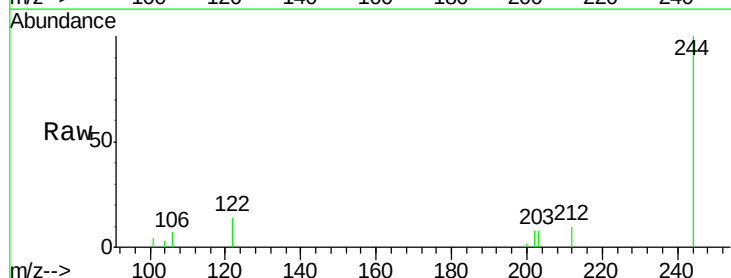
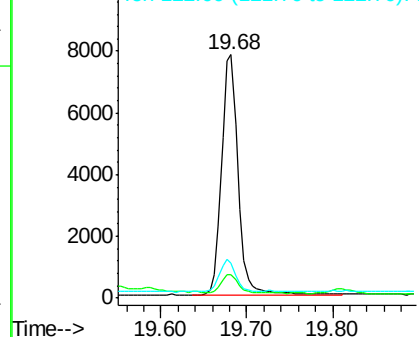
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

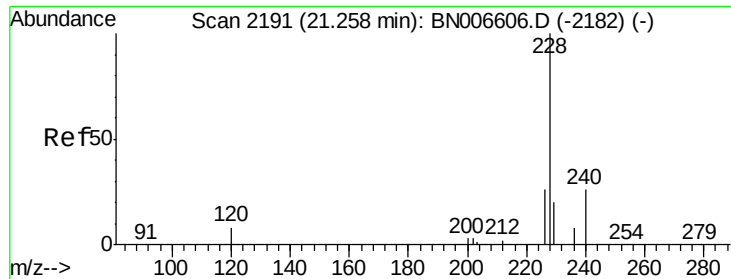


#29
Terphenyl-d14
Concen: 0.280 ng
RT: 19.68 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.5	6.7	10.1
122	14.4	11.0	16.6

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





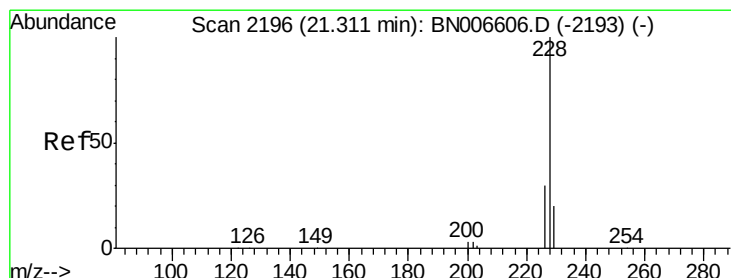
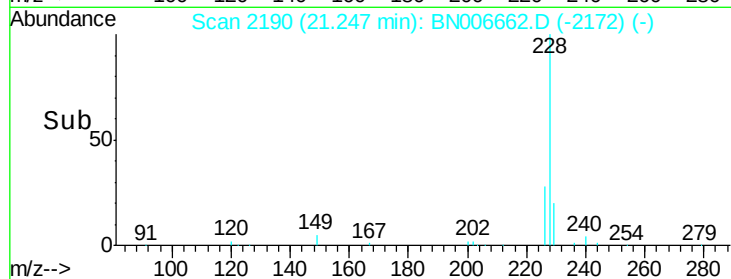
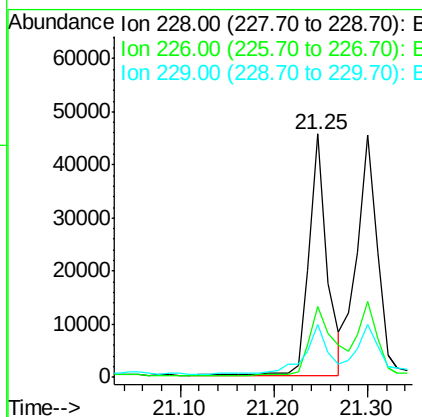
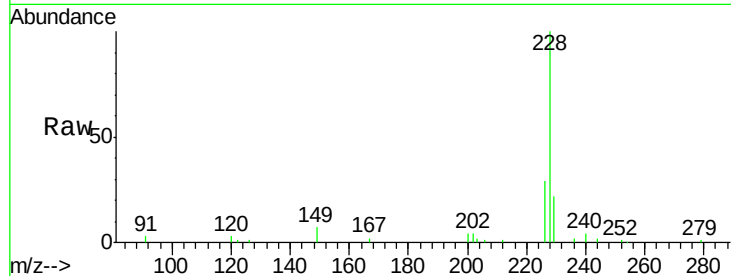
#30
Benzo(a)anthracene
Concen: 1.023 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.2	31.8
229	21.8	16.1	24.1

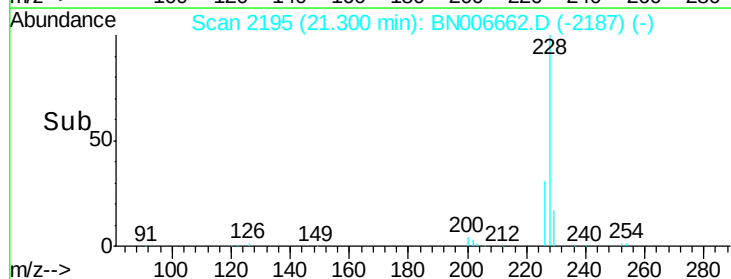
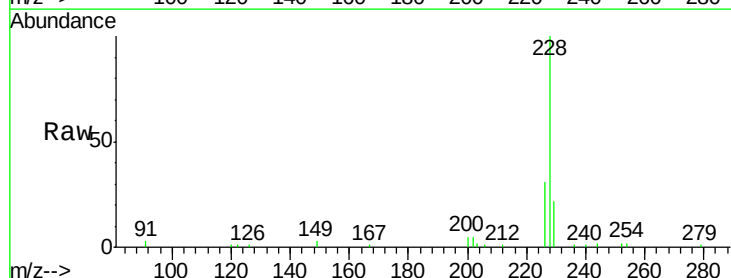
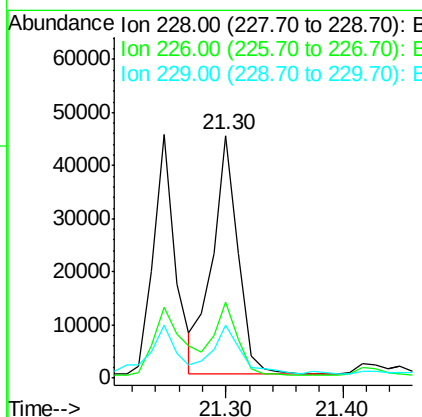
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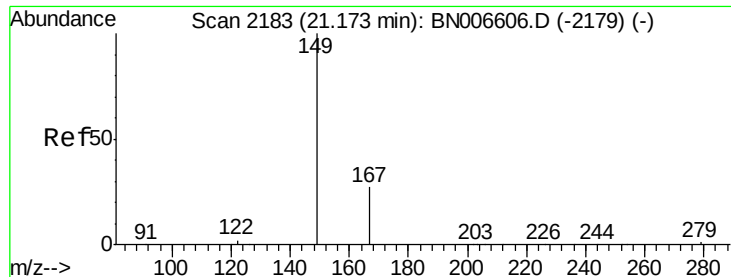
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#31
Chrysene
Concen: 1.091 ng
RT: 21.30 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.6
229	22.0	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 9.417 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Instrument :

BNA_N

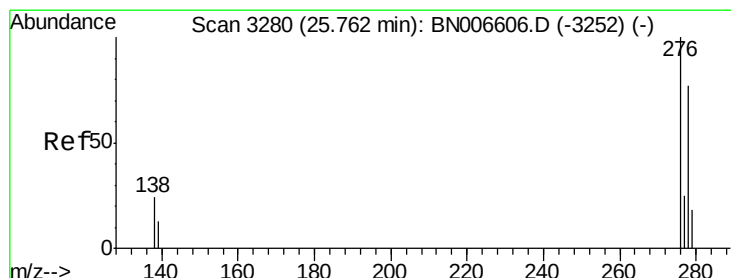
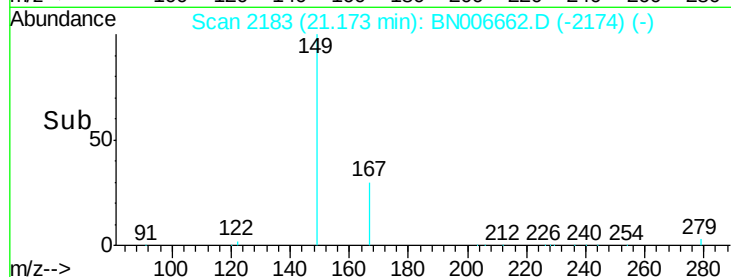
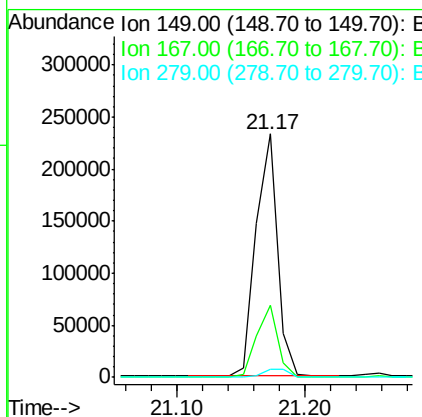
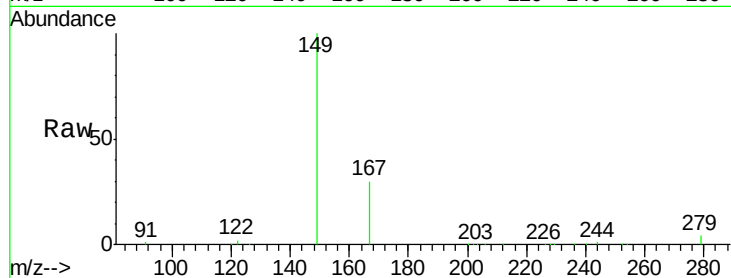
ClientSampleId :

EXT-029-SW157-062019

Tot Ion:	149	Resp:	276666
Ion Ratio	Lower	Upper	
149	100		
167	28.6	22.9	34.3
279	3.9	3.3	4.9

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.613 ng

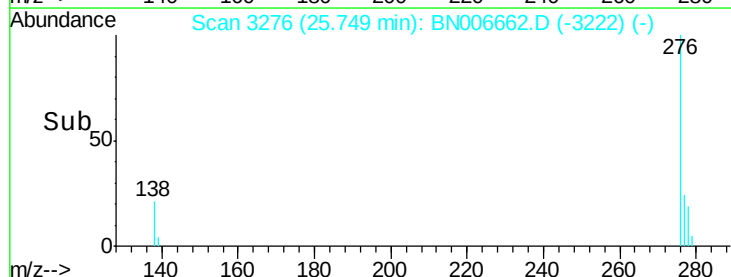
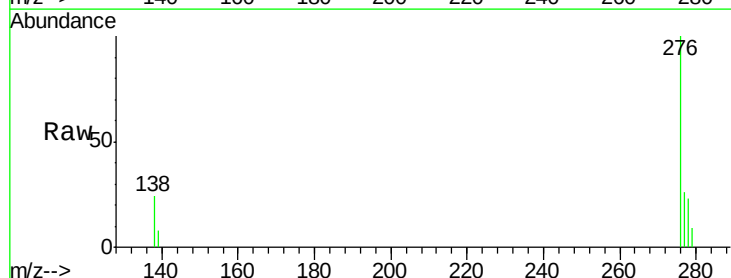
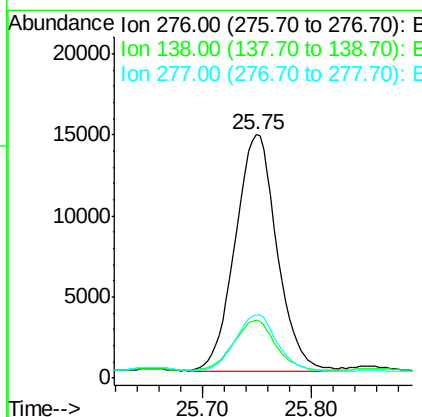
RT: 25.75 min Scan# 3276

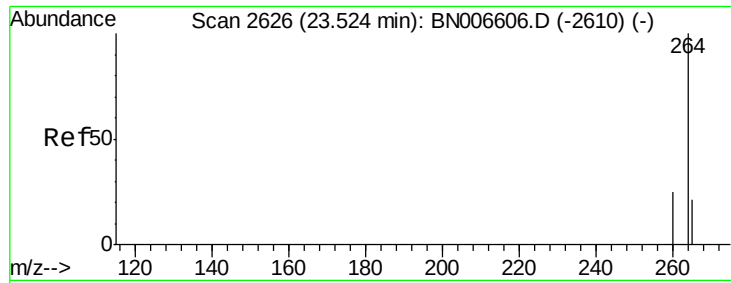
Delta R.T. -0.01 min

Lab File: BN006662.D

Acq: 01 Jul 2019 15:54

Tgt Ion:	276	Resp:	39018
Ion Ratio	Lower	Upper	
276	100		
138	21.3	19.3	28.9
277	23.8	19.9	29.9





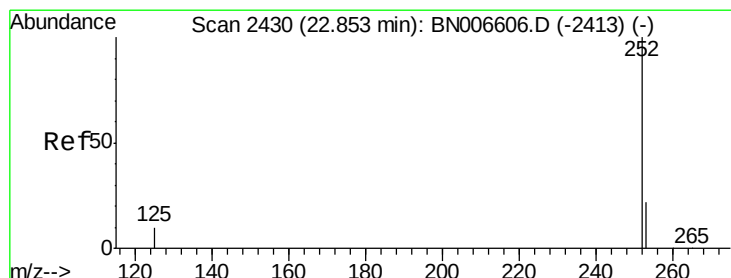
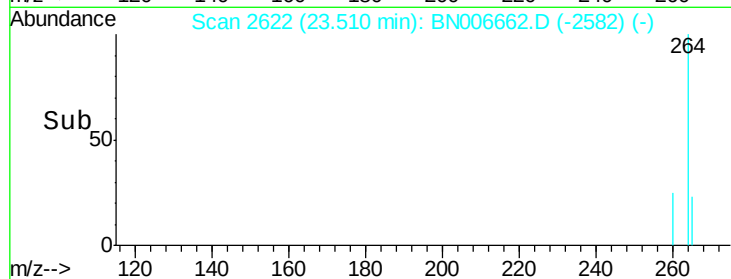
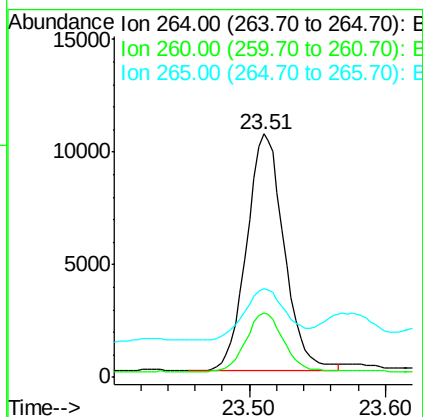
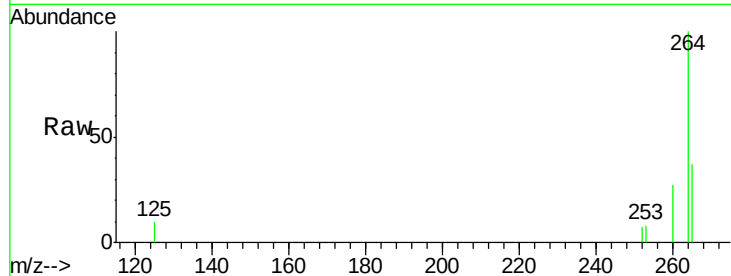
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.51 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.2	30.2
265	36.7	23.3	34.9

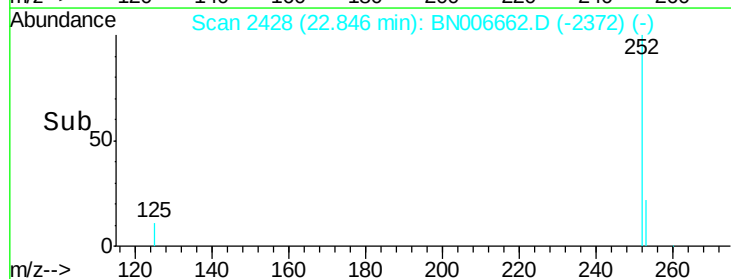
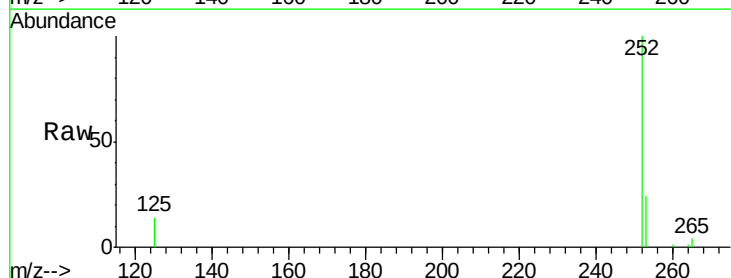
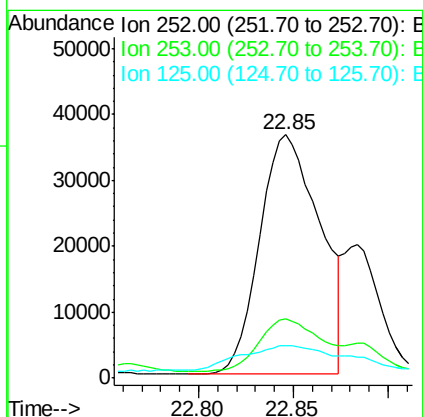
Manual Integrations
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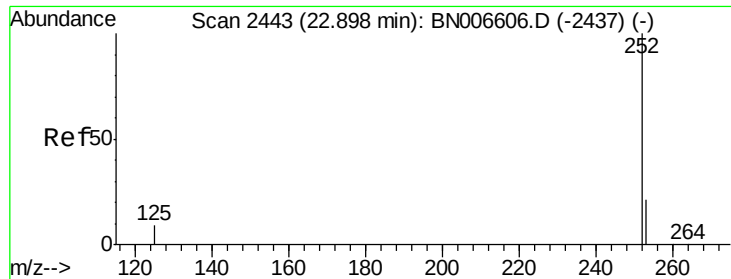
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#35
Benzo(b)fluoranthene
Concen: 1.174 ng
RT: 22.85 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	13.5	8.7	13.1





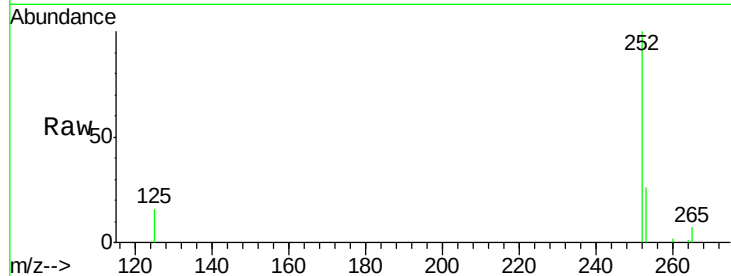
#36
Benzo(k)fluoranthene
Concen: 0.374 ng m
RT: 22.88 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

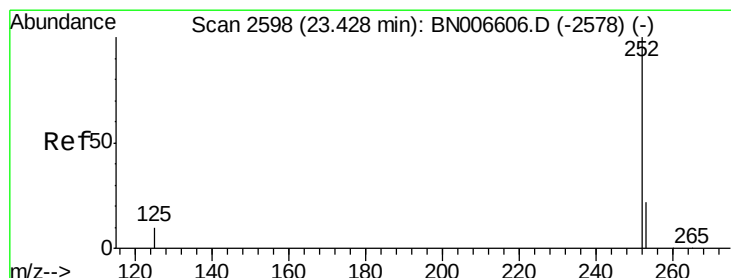
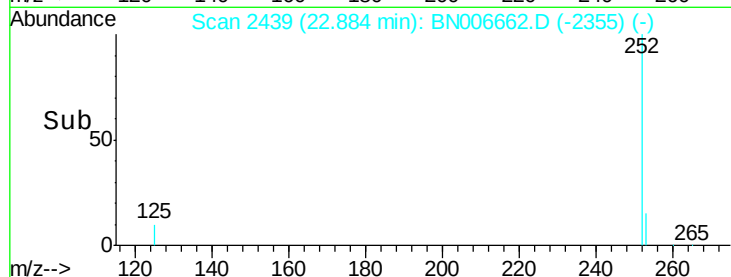
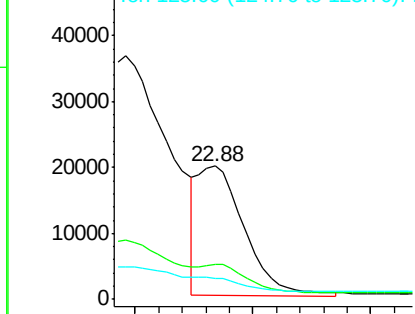
Tot Ion	Ratio	Resp	Lower	Upper
252	100	27251		
253	26.4	18.3	27.5	
125	16.0	8.4	12.6	

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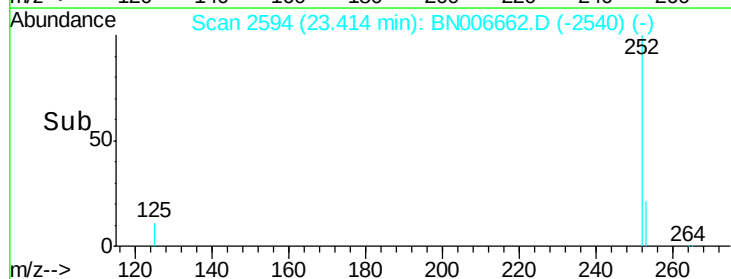
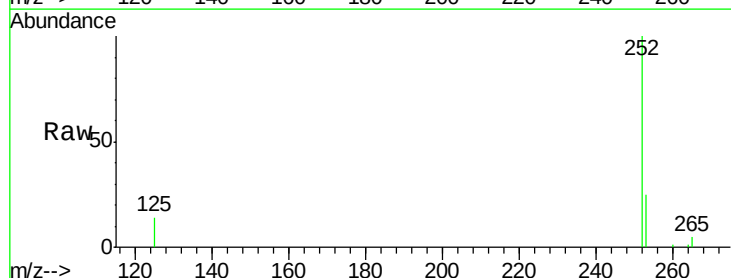
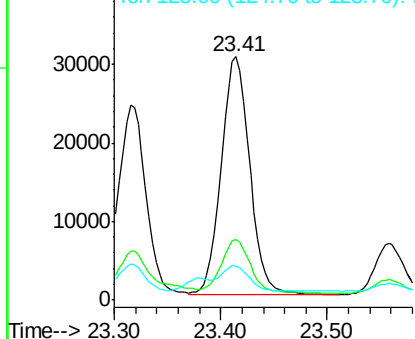
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

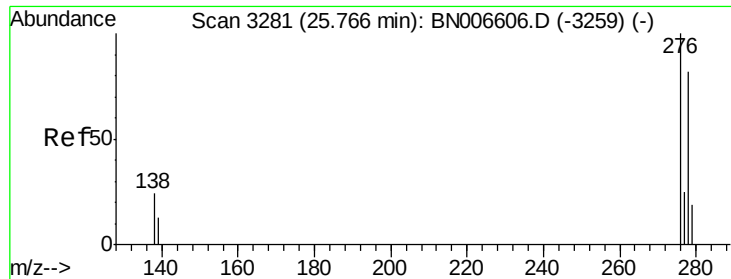


#37
Benzo(a)pyrene
Concen: 0.886 ng
RT: 23.41 min Scan# 2594
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	56663		
253	24.8	18.8	28.2	
125	14.1	9.4	14.2	

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





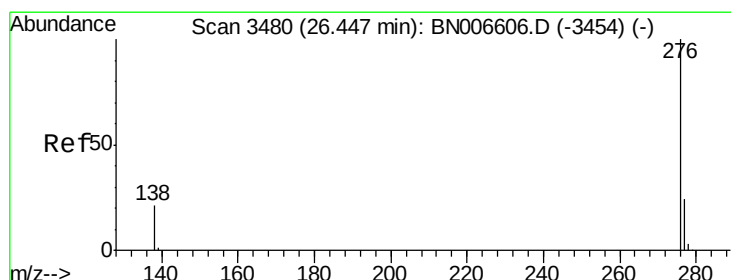
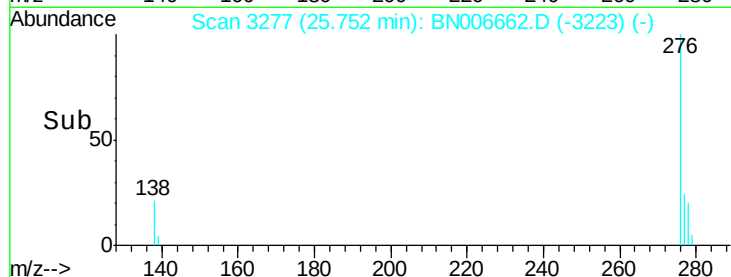
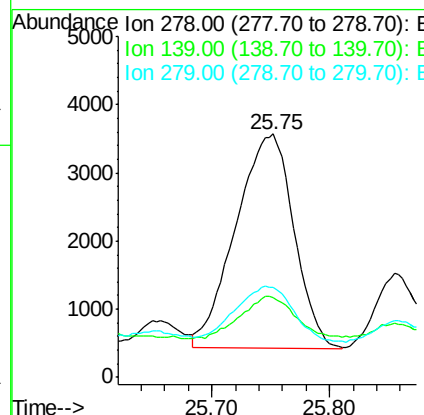
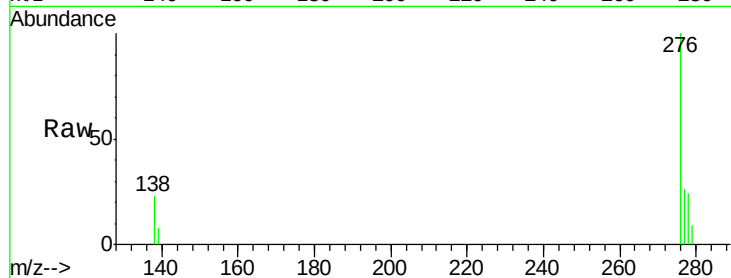
#38
Dibenzo(a,h)anthracene
Concen: 0.194 ng
RT: 25.75 min Scan# 3277
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW157-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.6	13.5	20.3#
279	37.0	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:28 PM



#39
Benzo(g,h,i)perylene
Concen: 0.718 ng
RT: 26.43 min Scan# 3476
Delta R.T. -0.01 min
Lab File: BN006662.D
Acq: 01 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.6	29.4
138	24.2	17.7	26.5

