

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006673.D
 Acq On : 01 Jul 2019 23:59
 Operator : HP/JU
 Sample : K3505-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-009-SW141-062019

Manual Integrations
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 7/2/2019 2:52:46 PM

Quant Time: Jul 02 05:51:51 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	4598	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	18211	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9873	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	20889	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	19677	0.40	ng	-0.02
34) Perylene-d12	23.48	264	21847	0.40	ng	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	3229	0.29	ng	0.00
5) Phenol-d6	6.82	99	4410	0.30	ng	0.00
8) Nitrobenzene-d5	8.79	82	3003	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	11.99	152	6815	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1298	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	8855	0.24	ng	-0.01
25) Fluoranthene-d10	19.07	212	12668	0.21	ng	-0.01
29) Terphenyl-d14	19.67	244	8733	0.21	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	8221	0.172	ng	97
12) 2-Methylnaphthalene	12.07	142	5665	0.171	ng	98
16) Acenaphthylene	13.99	152	40266	0.855	ng	99
17) Acenaphthene	14.33	154	3162	0.102	ng	94
18) Fluorene	15.32	166	7936	0.203	ng	# 86
23) Phenanthrene	17.07	178	187822	3.162	ng	100
24) Anthracene	17.16	178	30810	0.598	ng	96
26) Fluoranthene	19.10	202	348281	4.825	ng	99
28) Pyrene	19.47	202	394794	5.734	ng	97
30) Benzo(a)anthracene	21.23	228	172305	2.678	ng	96
31) Chrysene	21.28	228	227968	3.287	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	16186	0.500	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.71	276	123940	1.766	ng	97
35) Benzo(b)fluoranthene	22.82	252	248311	3.341	ng	99
36) Benzo(k)fluoranthene	22.85	252	81886m	1.034	ng	
37) Benzo(a)pyrene	23.38	252	178941	2.576	ng	99
38) Dibenzo(a,h)anthracene	25.71	278	35736	0.589	ng	# 81
39) Benzo(a,h,i)perylene	26.39	276	134686	2.223	ng	98

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

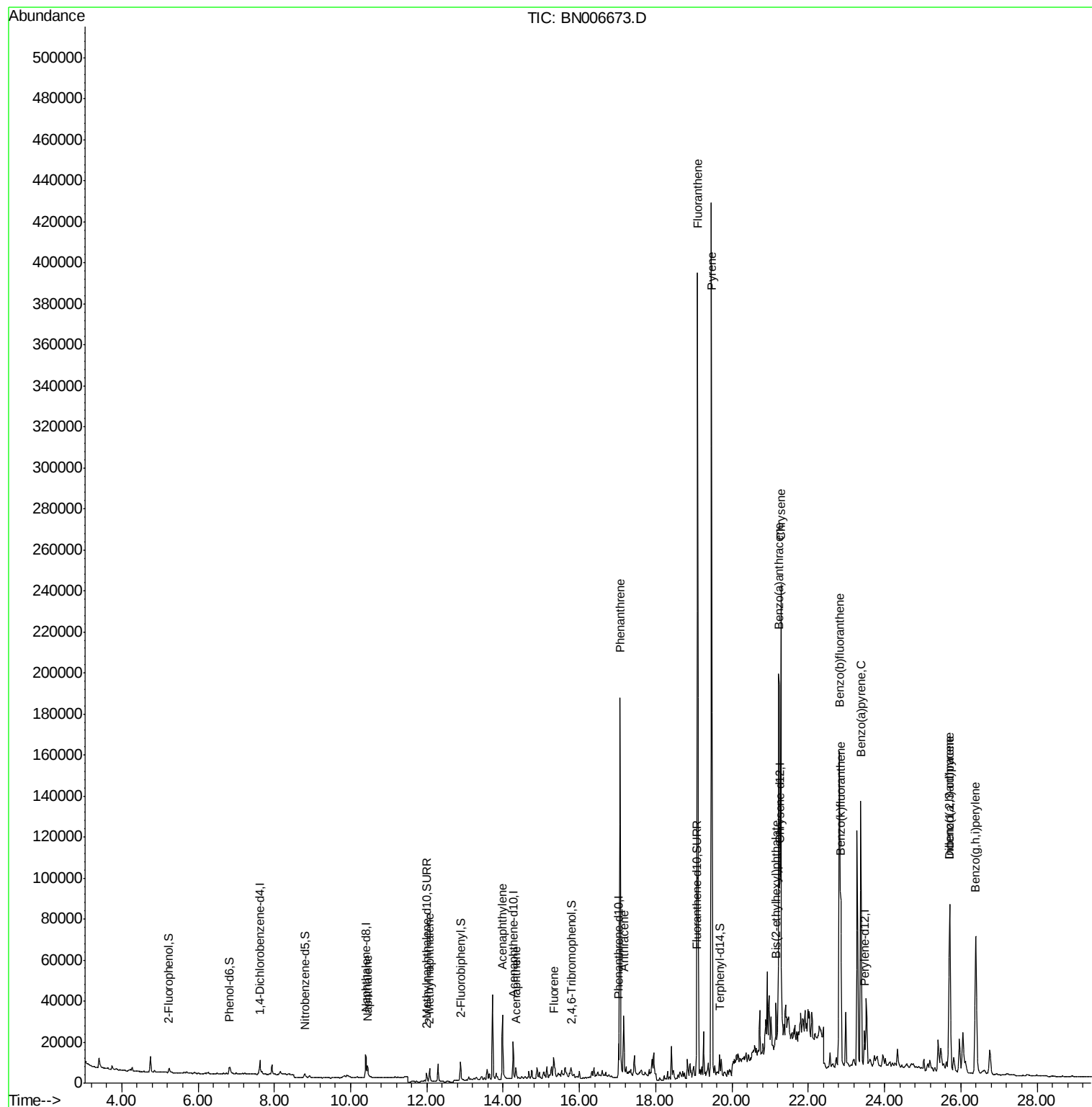
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
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Quant Time: Jul 02 05:51:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
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#1

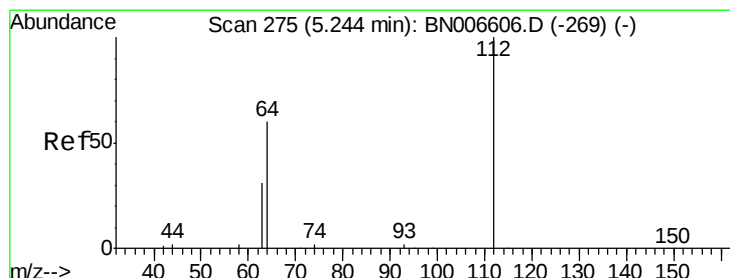
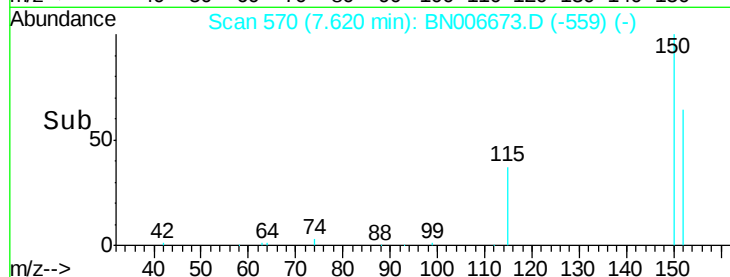
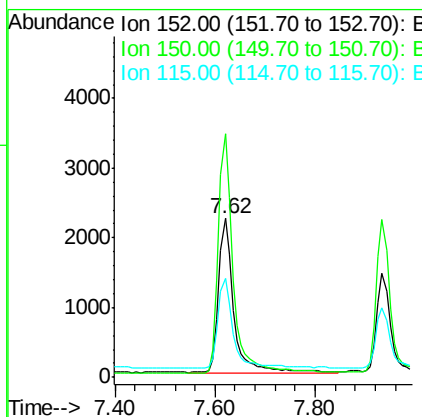
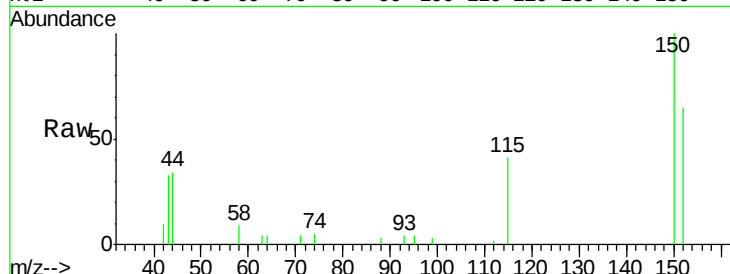
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.2	183.2
115	62.3	50.0	75.0

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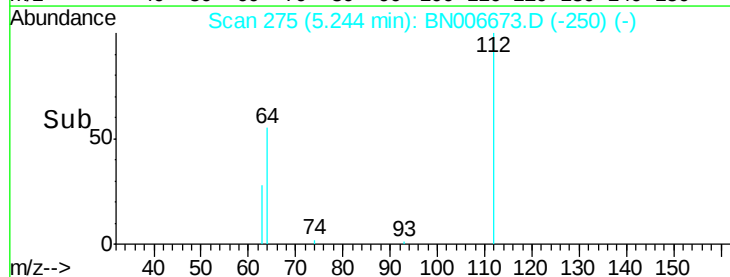
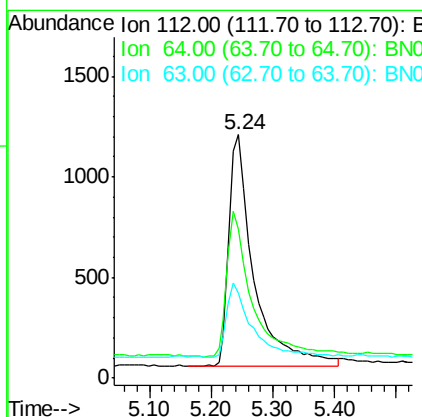
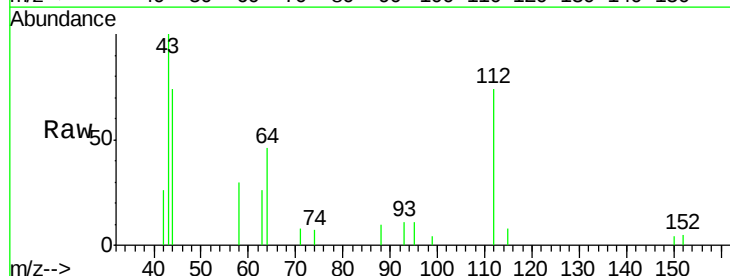
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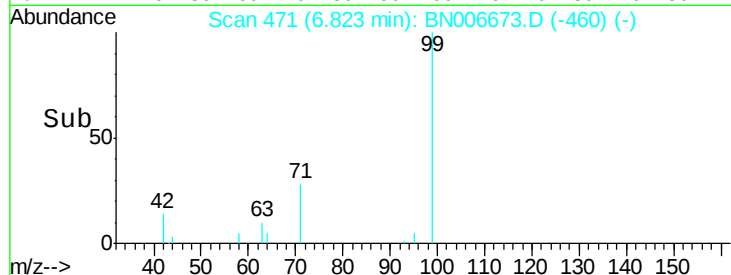
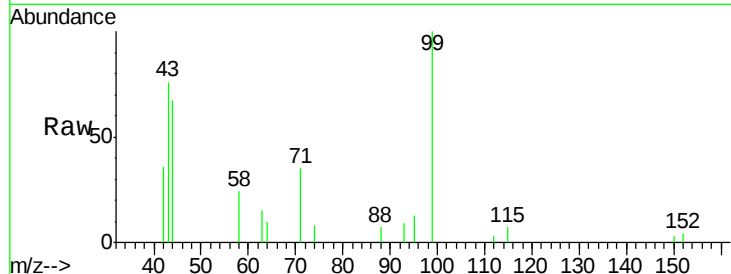
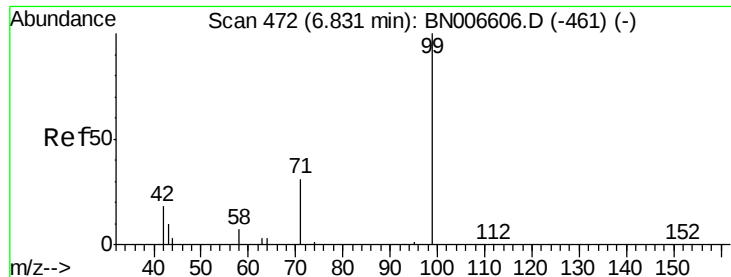


#4

2-Fluorophenol
Concen: 0.286 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	48.9	73.3
63	33.8	24.3	36.5





#5

Phenol-d6

Concen: 0.295 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Tot Ion:	99	Resp:	4410
Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.4	24.6
71	27.6	26.6	40.0

Instrument :

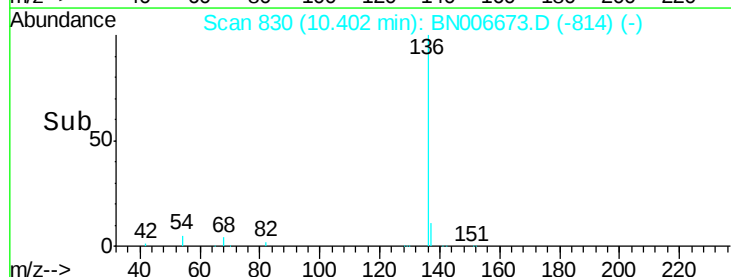
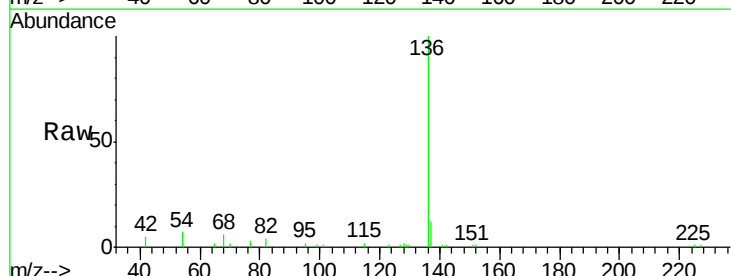
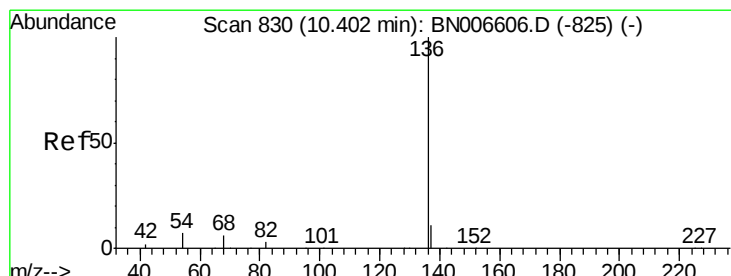
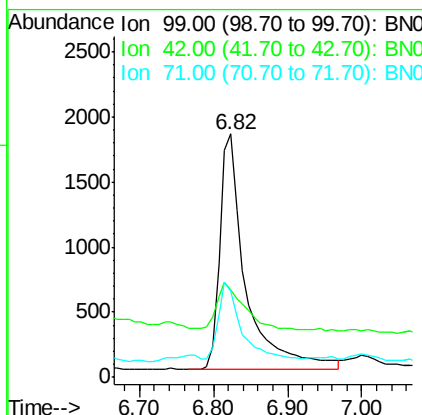
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

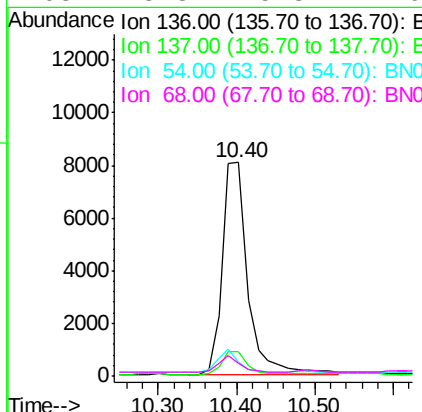
RT: 10.40 min Scan# 830

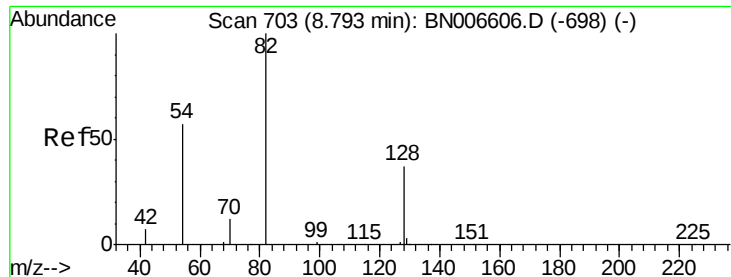
Delta R.T. -0.00 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Tgt Ion:	136	Resp:	18211
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	6.8	6.7	10.1
68	5.8	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.245 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Instrument :

BNA_N

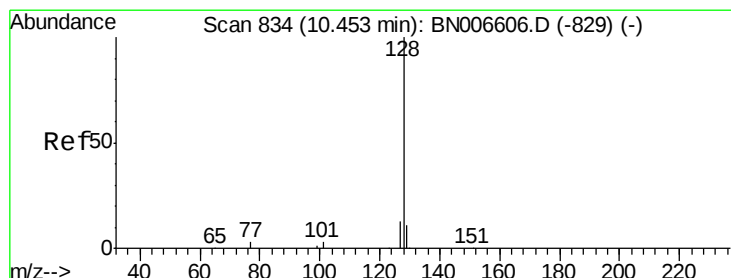
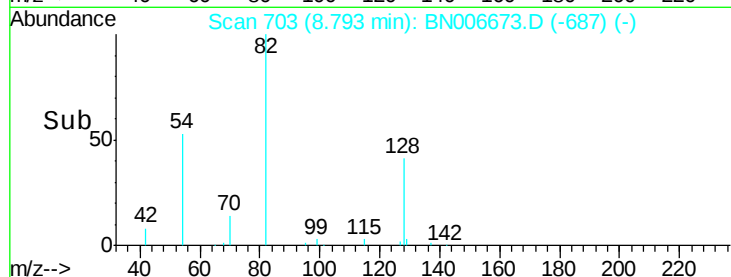
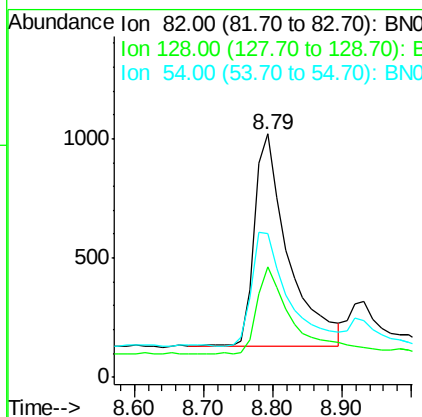
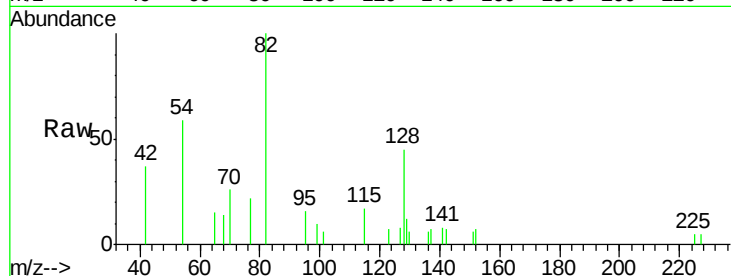
ClientSampleId :

EXT-009-SW141-062019

Tot Ion:	82	Resp:	3003
Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.6	49.0
54	59.3	48.2	72.4

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#9

Naphthalene

Concen: 0.172 ng

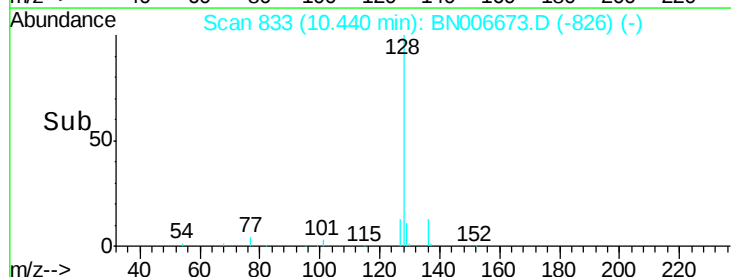
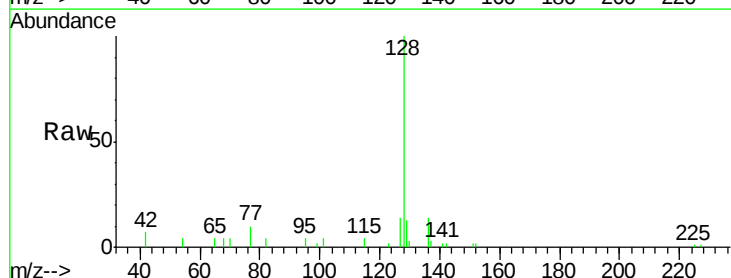
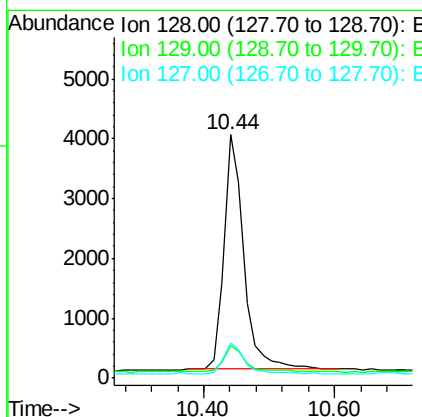
RT: 10.44 min Scan# 833

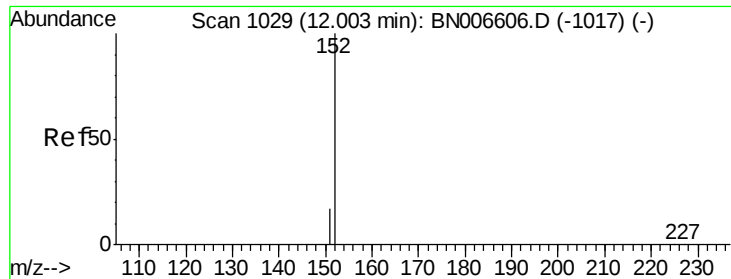
Delta R.T. -0.01 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Tgt Ion:	128	Resp:	8221
Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.3	13.9
127	14.5	10.8	16.2





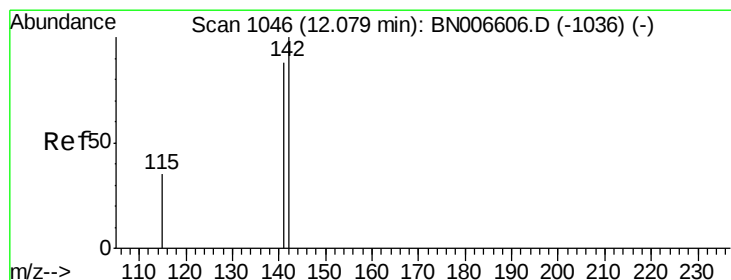
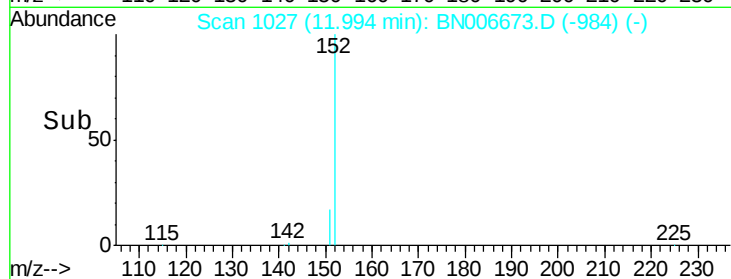
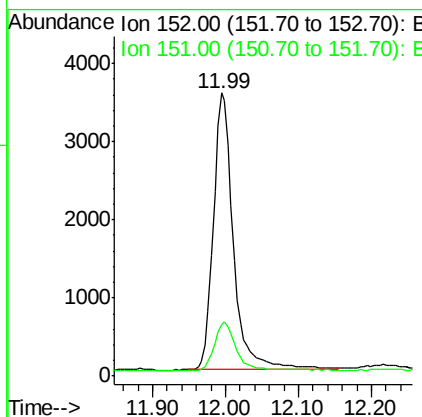
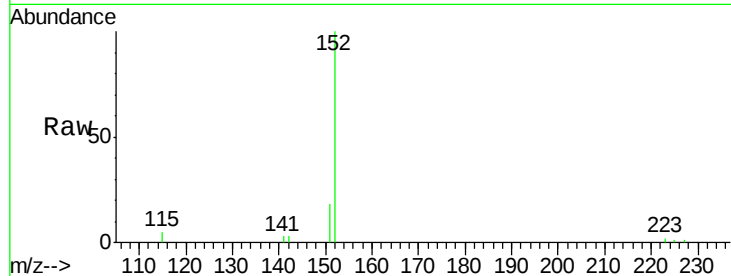
#11
2-Methylnaphthalene-d10
Concen: 0.238 ng
RT: 11.99 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.0	22.4

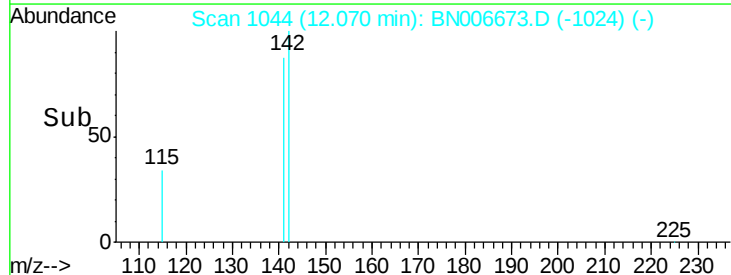
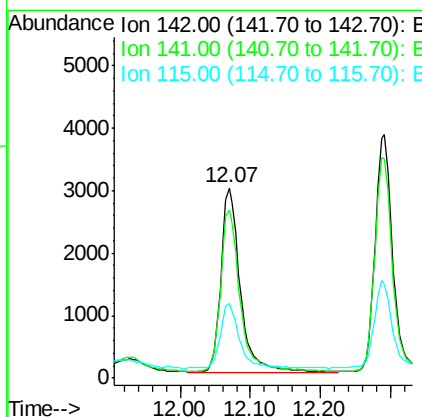
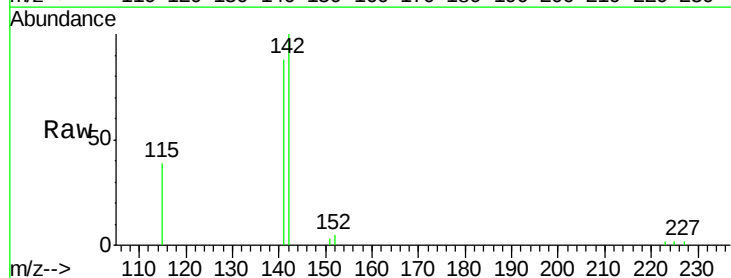
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#12
2-Methylnaphthalene
Concen: 0.171 ng
RT: 12.07 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.2	105.4
115	39.0	28.5	42.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Instrument :

BNA_N

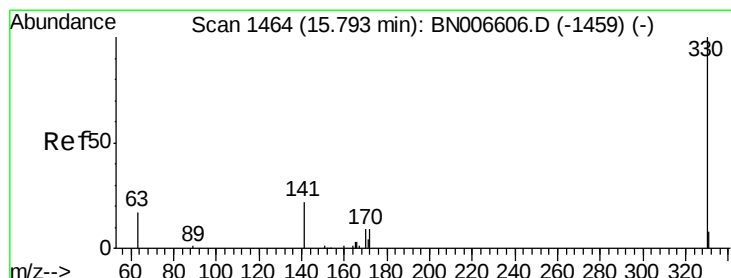
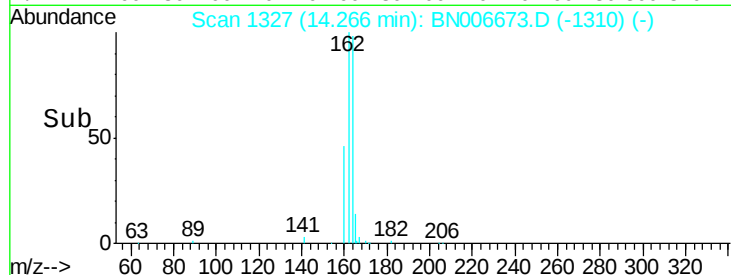
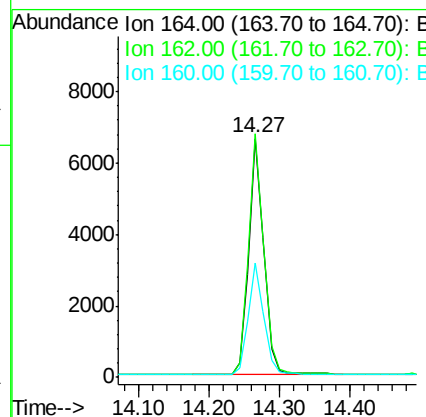
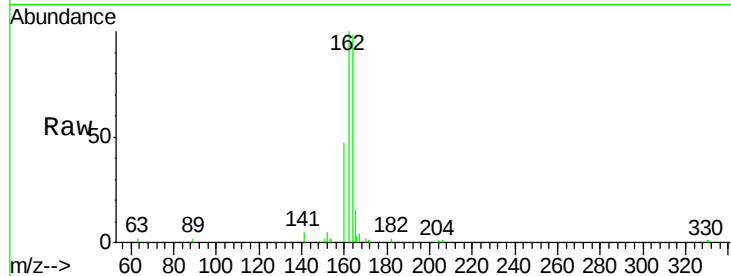
ClientSampleId :

EXT-009-SW141-062019

Tot Ion:	164	Resp:	9873
Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.0	120.0
160	47.7	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.279 ng

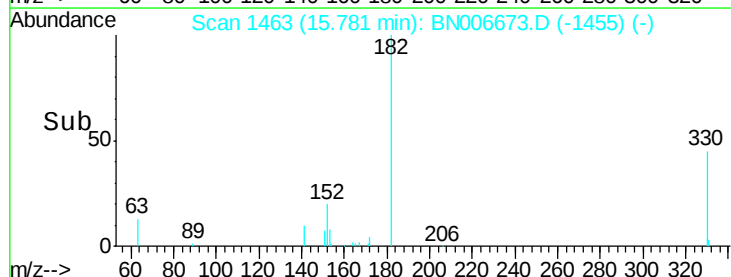
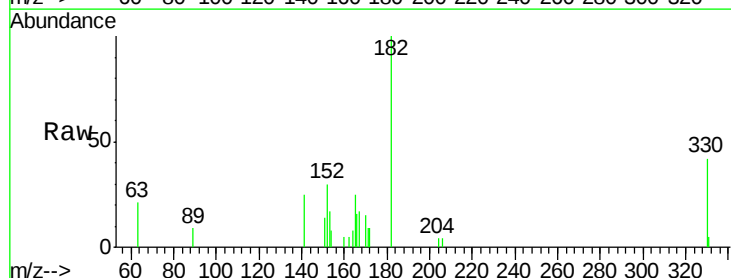
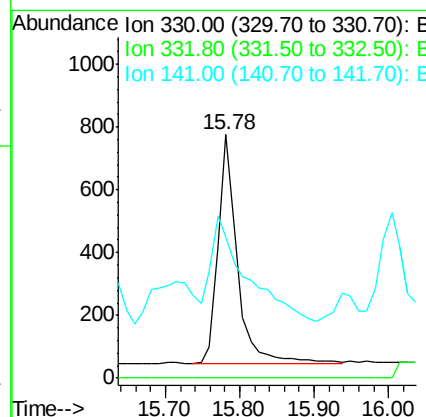
RT: 15.78 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Tgt Ion:	330	Resp:	1298
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	85.6	26.5	39.7#





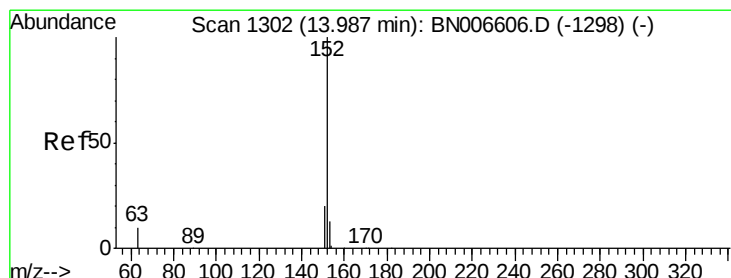
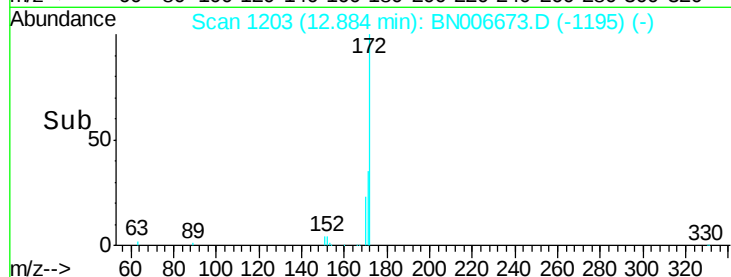
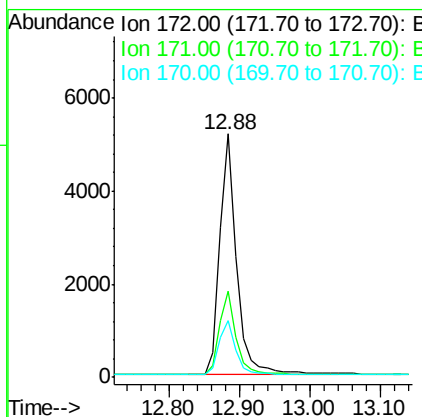
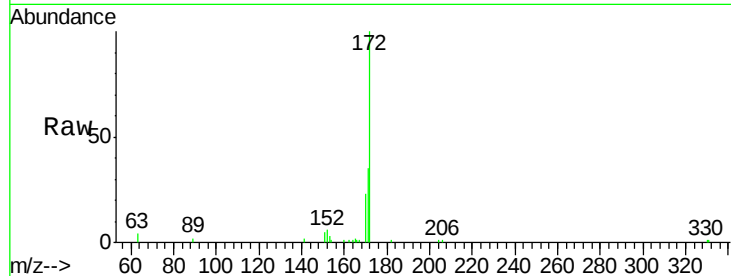
#15
2-Fluorobiphenyl
Concen: 0.242 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.0	40.4
170	23.4	17.7	26.5

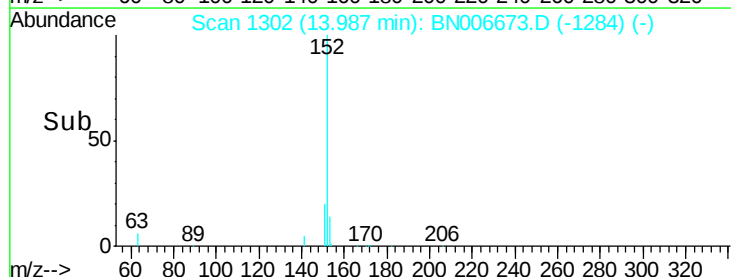
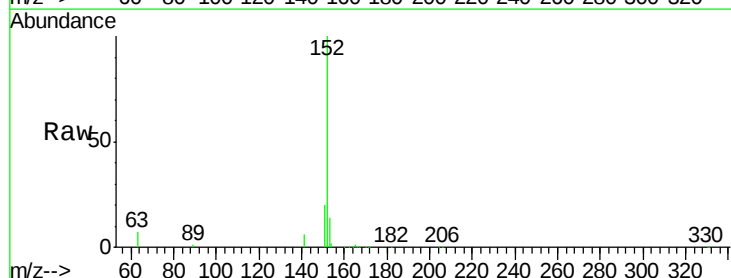
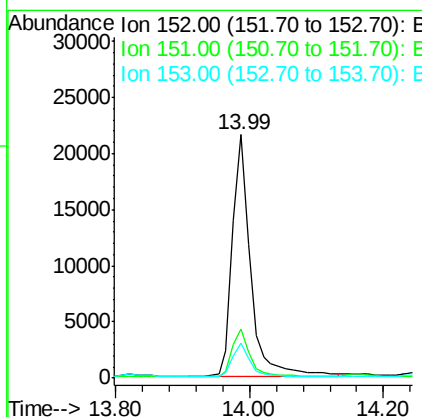
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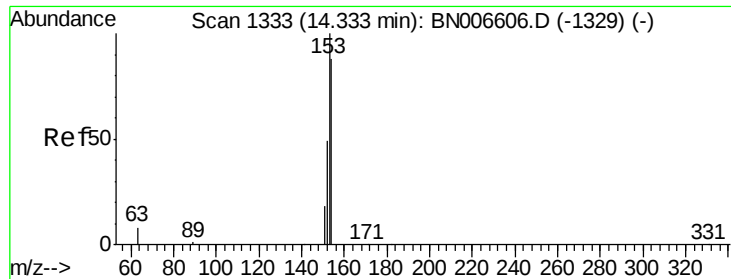
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#16
Acenaphthylene
Concen: 0.855 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.5	10.5	15.7





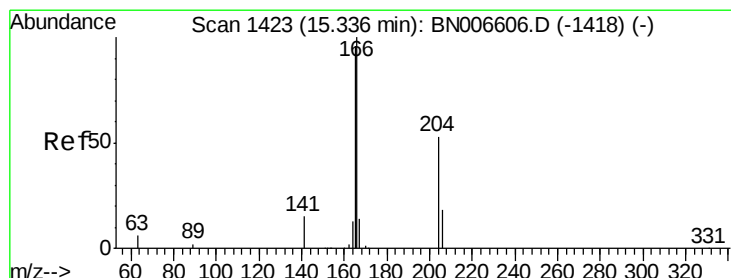
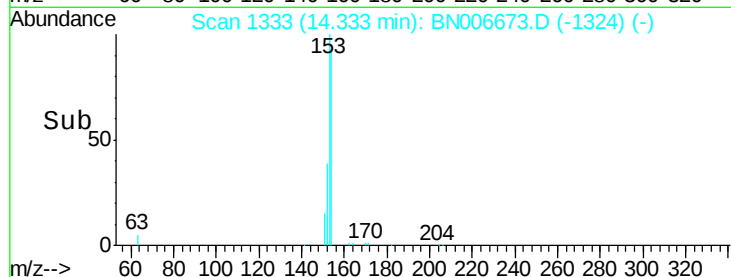
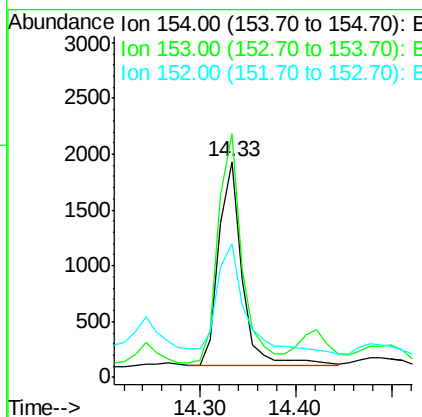
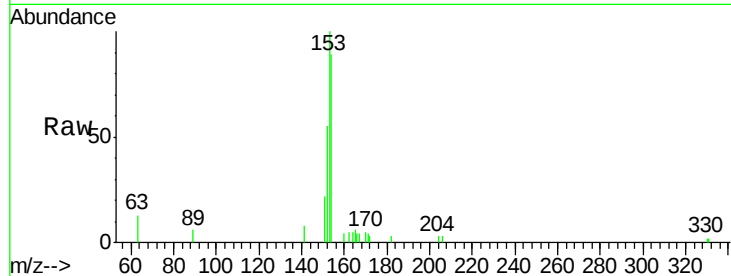
#17
Acenaphthene
Concen: 0.102 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.4	90.2	135.4
152	65.4	44.2	66.4

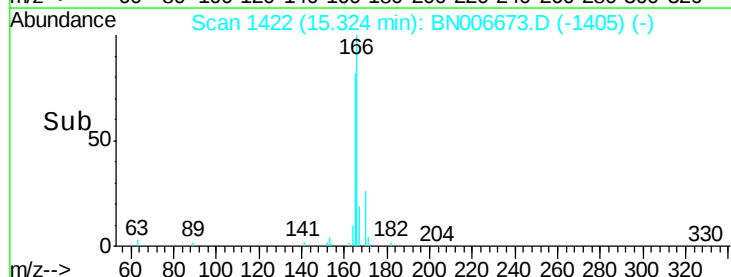
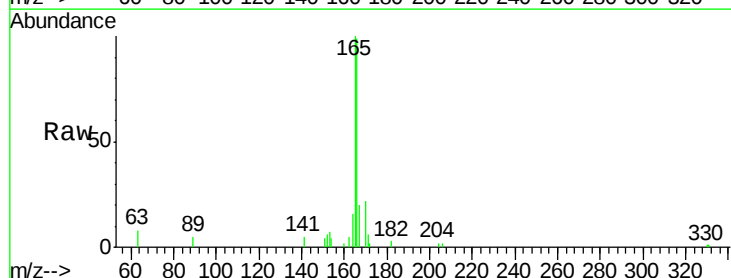
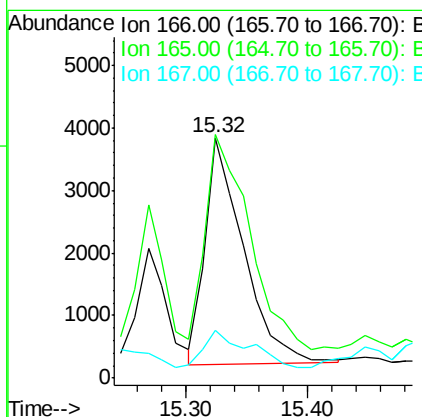
Manual Integrations
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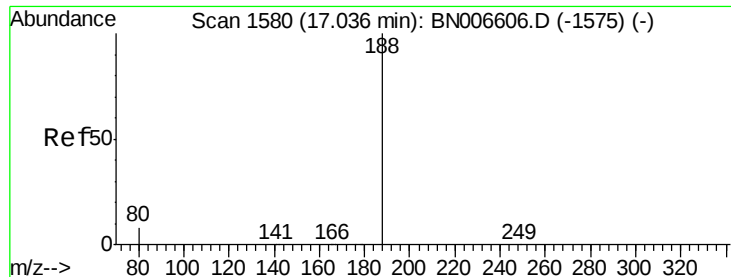
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#18
Fluorene
Concen: 0.203 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.3	78.4	117.6
167	18.5	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: BN006673.D

Acq: 01 Jul 2019 23:59

Instrument :

BNA_N

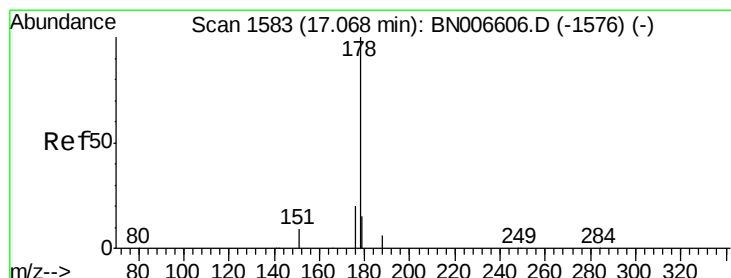
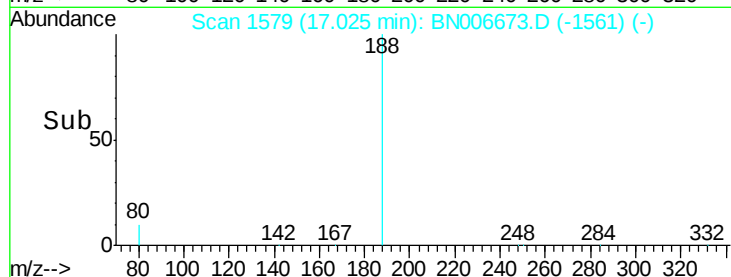
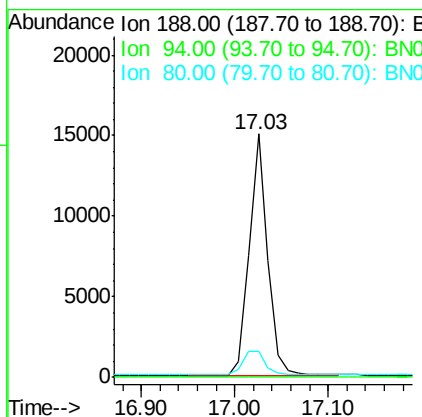
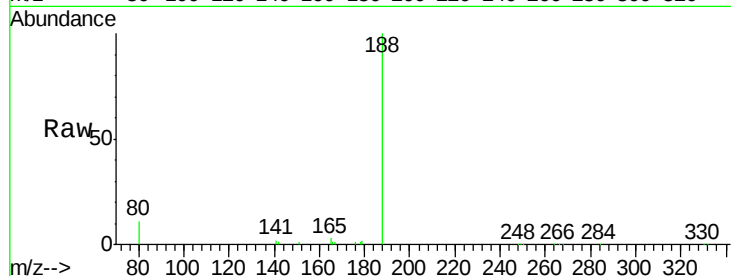
ClientSampleId :

EXT-009-SW141-062019

Tot Ion:	188	Resp:	20889
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.8	7.1	10.7#

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#23

Phenanthrene

Concen: 3.162 ng

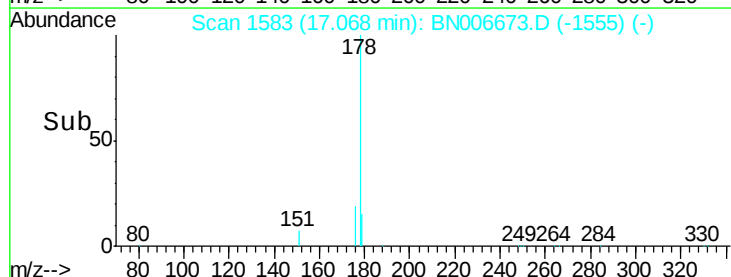
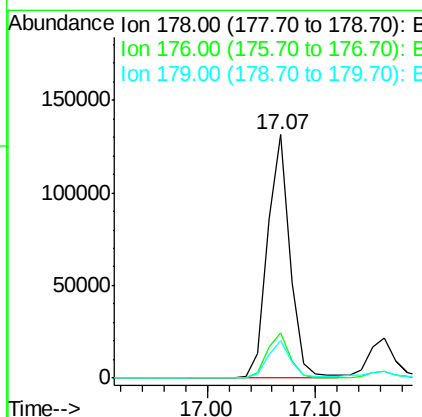
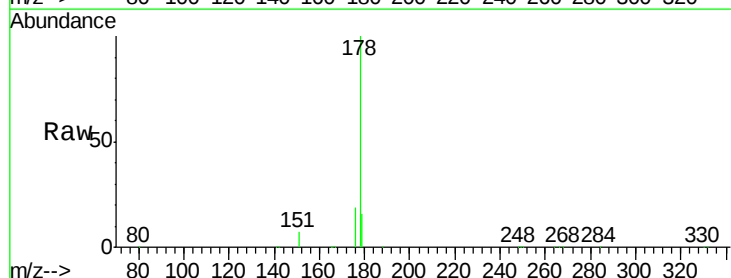
RT: 17.07 min Scan# 1583

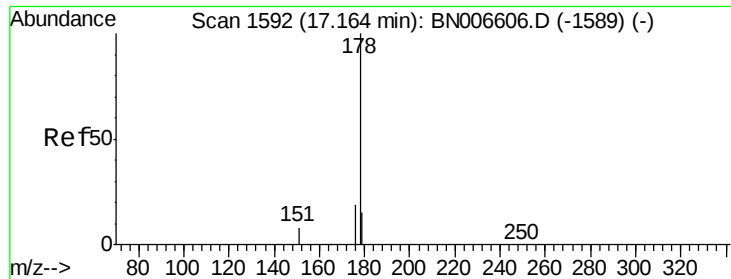
Delta R.T. -0.00 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Tgt Ion:	178	Resp:	187822
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.5	12.2	18.4





#24

Anthracene

Concen: 0.598 ng

RT: 17.16 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Instrument :

BNA_N

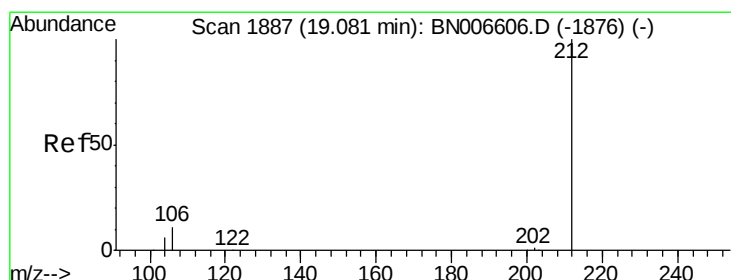
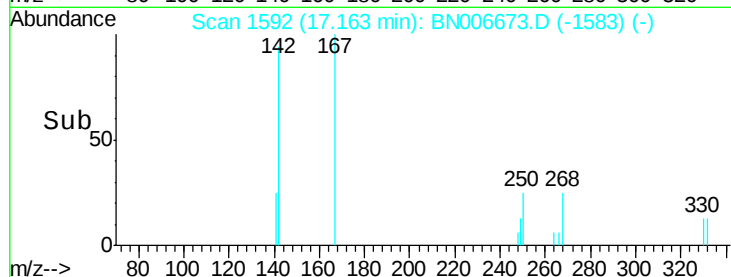
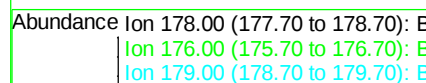
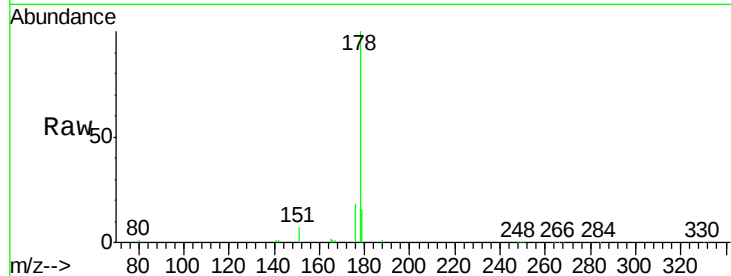
ClientSampleId :

EXT-009-SW141-062019

Tot Ion:	178	Resp:	30810
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.0	22.4
179	16.8	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.206 ng

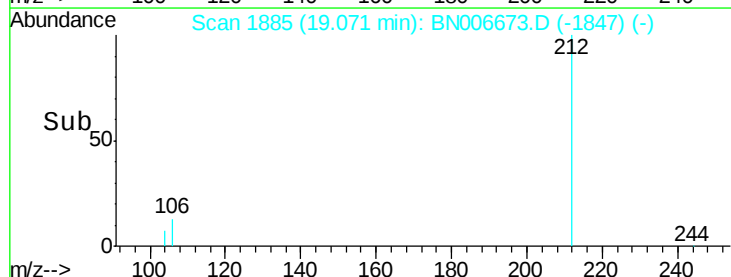
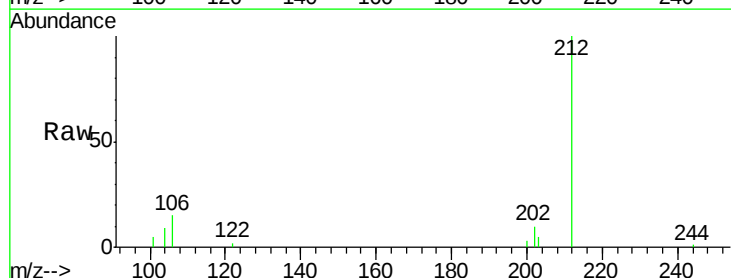
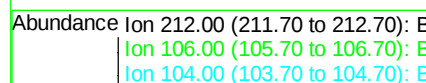
RT: 19.07 min Scan# 1885

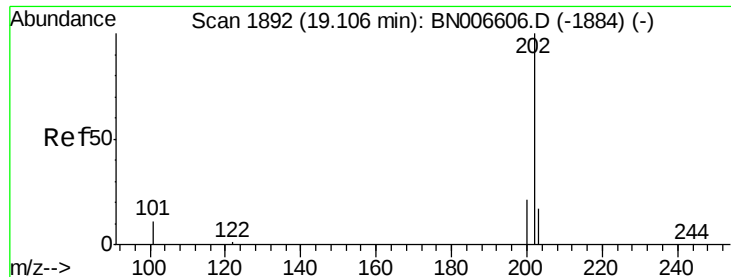
Delta R.T. -0.01 min

Lab File: BN006673.D

Acq: 01 Jul 2019 23:59

Tgt Ion:	212	Resp:	12668
Ion Ratio	Lower	Upper	
212	100		
106	14.3	10.6	15.8
104	8.1	5.8	8.6





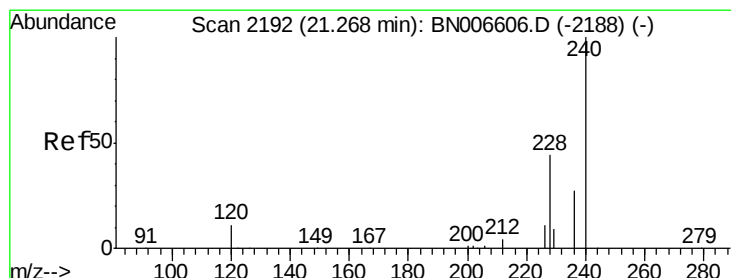
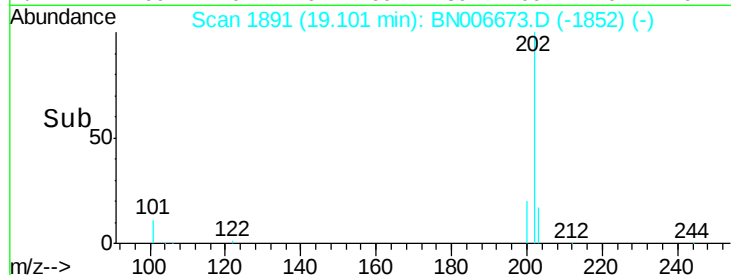
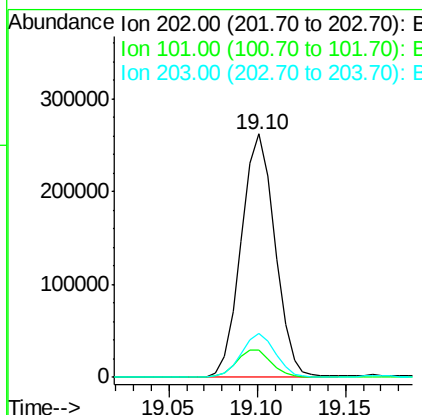
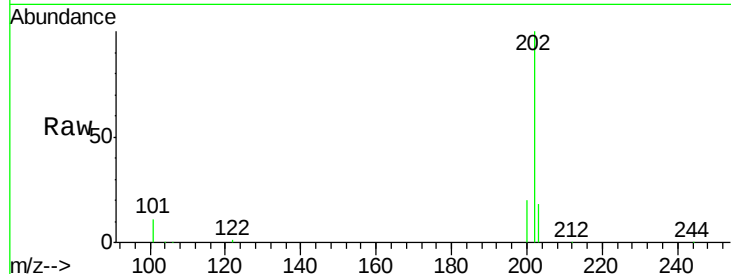
#26
Fluoranthene
 Concen: 4.825 ng
 RT: 19.10 min Scan# 1891
 Delta R.T. -0.01 min
 Lab File: BN006673.D
 Acq: 01 Jul 2019 23:59

Instrument :
 BNA_N
 ClientSampleId :
 EXT-009-SW141-062019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	8.9	13.3
203	17.7	13.6	20.4

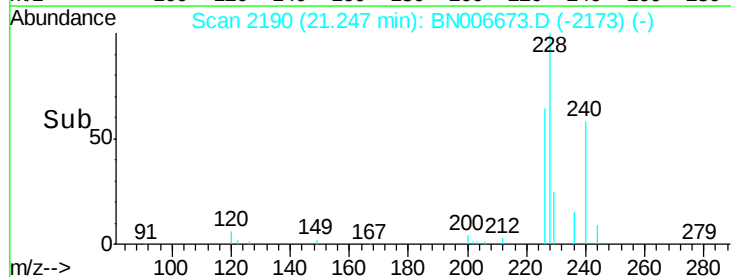
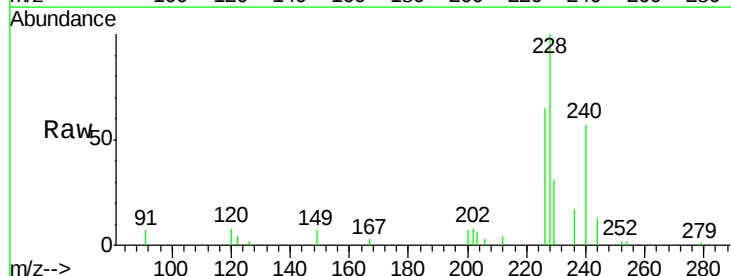
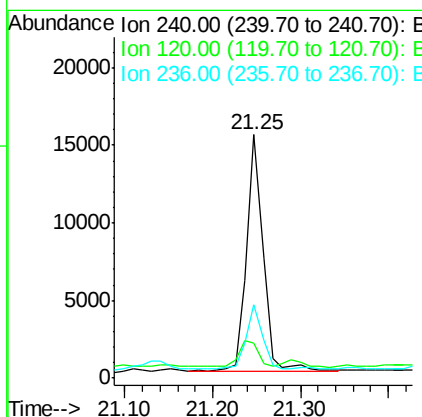
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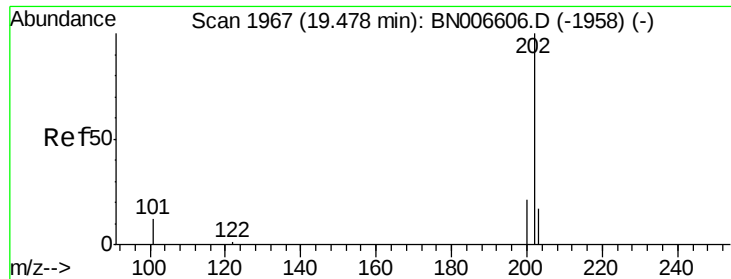
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2190
 Delta R.T. -0.02 min
 Lab File: BN006673.D
 Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	9.9	14.9
236	30.0	22.2	33.4





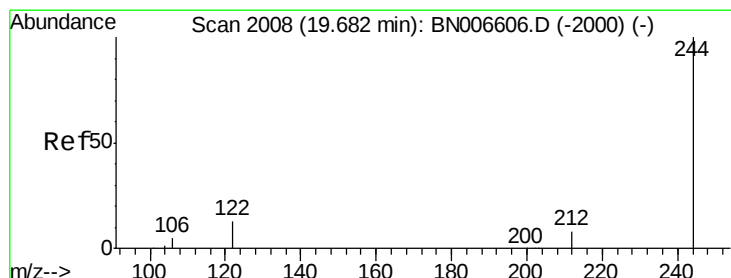
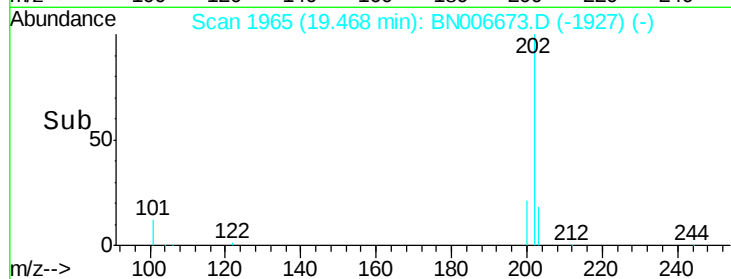
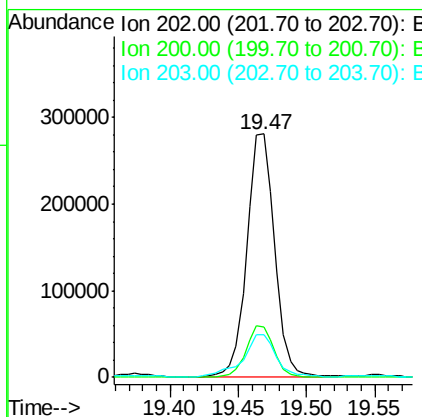
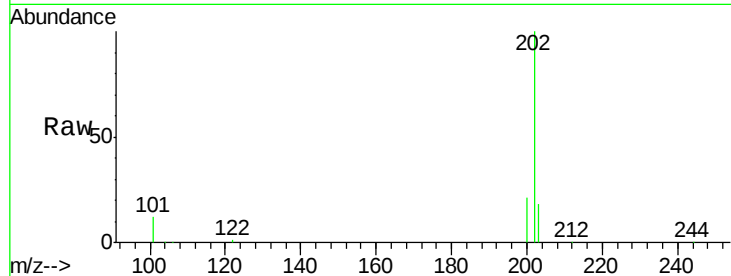
#28
Pvrene
Concen: 5.734 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	16.7	25.1	
203	20.7	14.1	21.1	

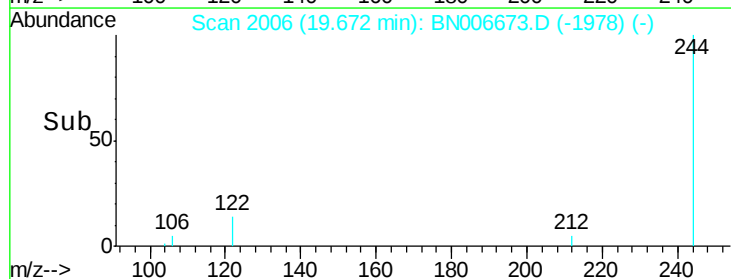
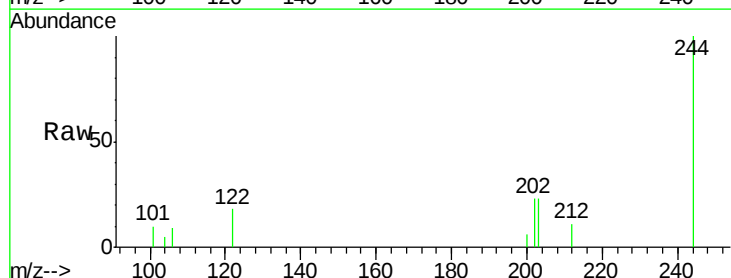
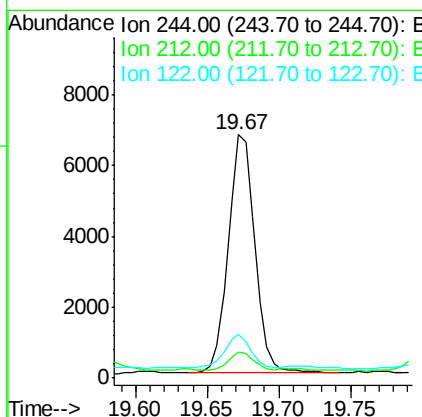
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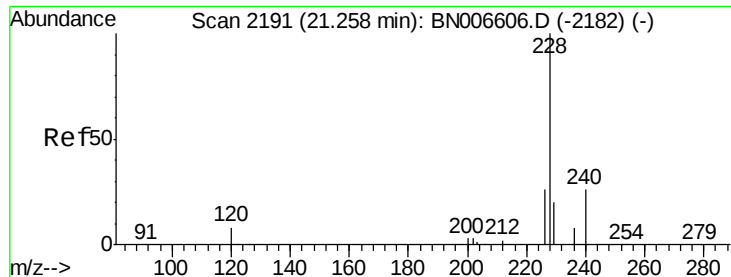
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#29
Terphenyl-d14
Concen: 0.212 ng
RT: 19.67 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	10.6	6.7	10.1#	
122	17.8	11.0	16.6#	





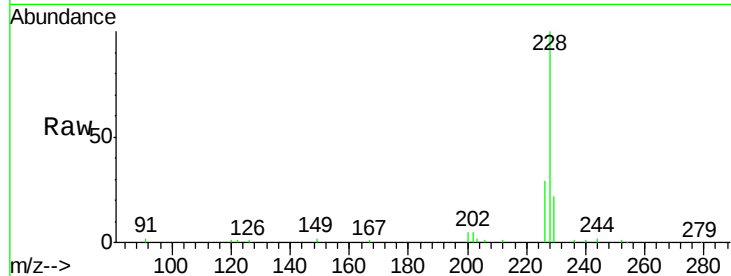
#30
Benzo(a)anthracene
Concen: 2.678 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

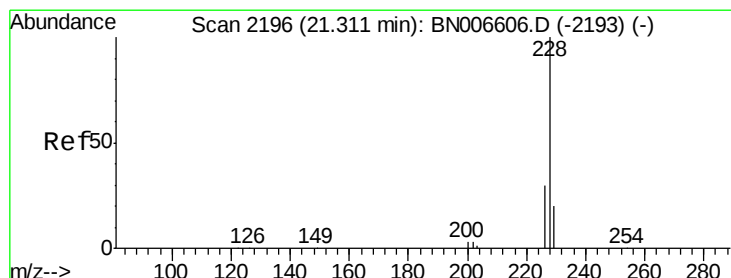
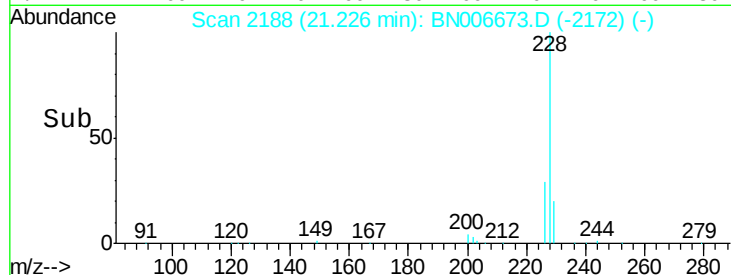
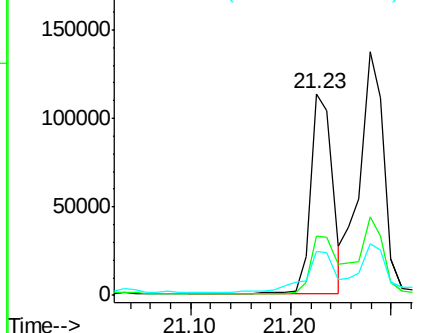
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.2	31.8
229	21.7	16.1	24.1

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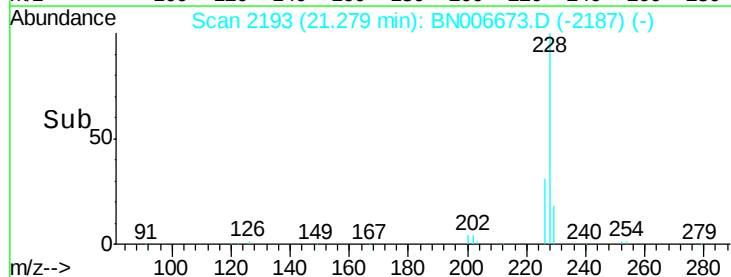
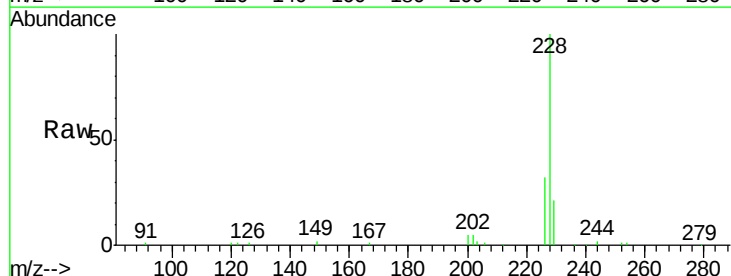
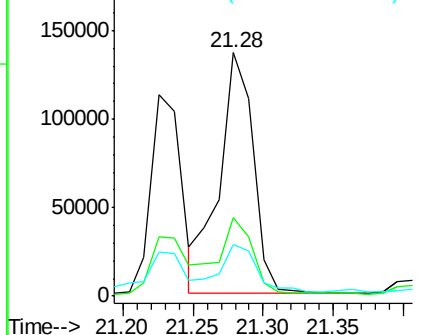
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

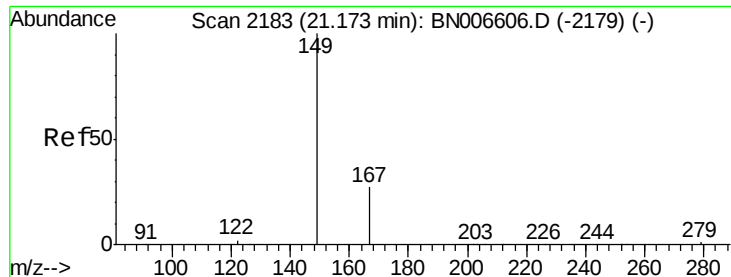


#31
Chrysene
Concen: 3.287 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.8	35.6
229	21.0	15.9	23.9

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





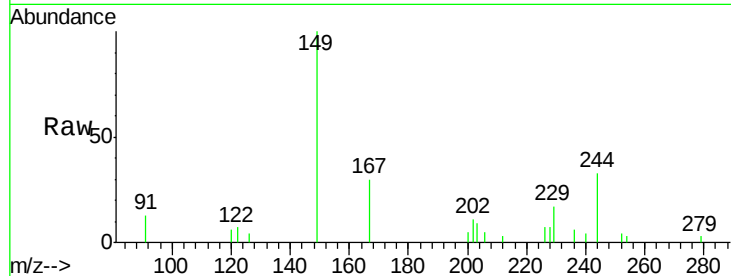
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.500 ng
 RT: 21.15 min Scan# 2181
 Delta R.T. -0.02 min
 Lab File: BN006673.D
 Acq: 01 Jul 2019 23:59

Instrument :
 BNA_N
 ClientSampleId :
 EXT-009-SW141-062019

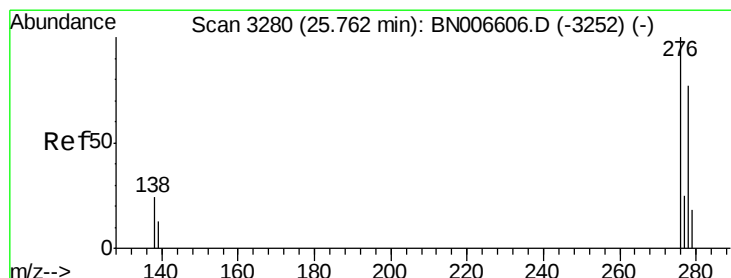
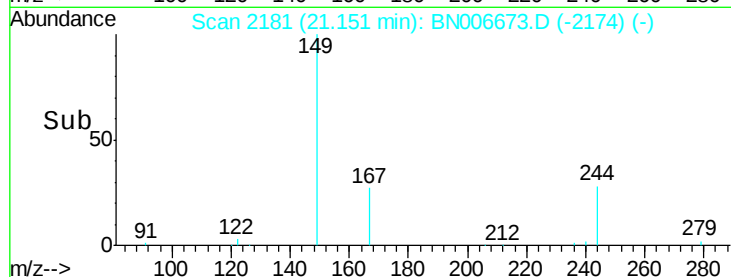
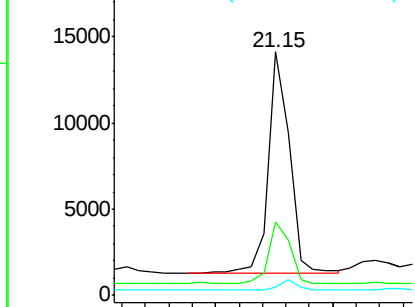
Tot Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.9	34.3
279	5.3	3.3	4.9

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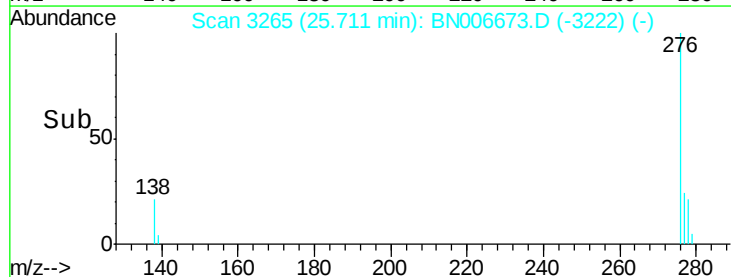
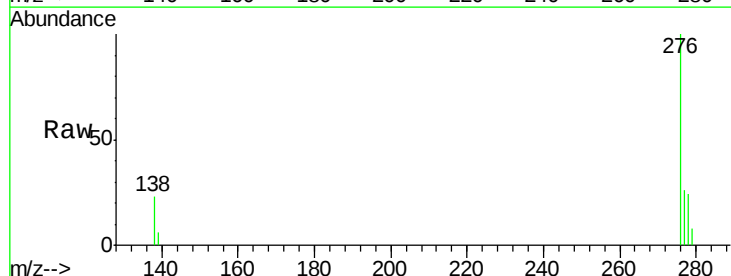
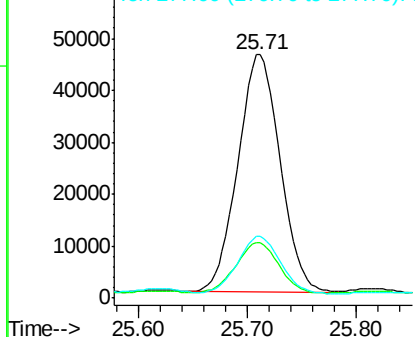
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

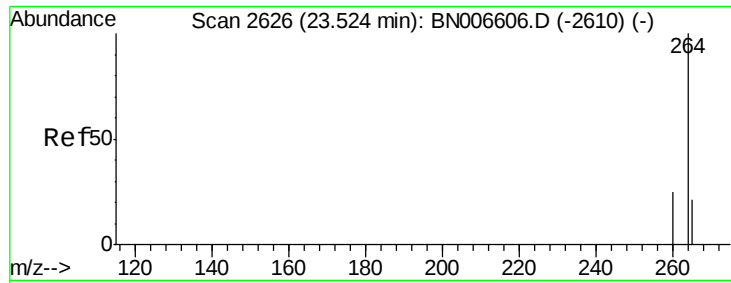


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.766 ng
 RT: 25.71 min Scan# 3265
 Delta R.T. -0.05 min
 Lab File: BN006673.D
 Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.3	28.9
277	24.2	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





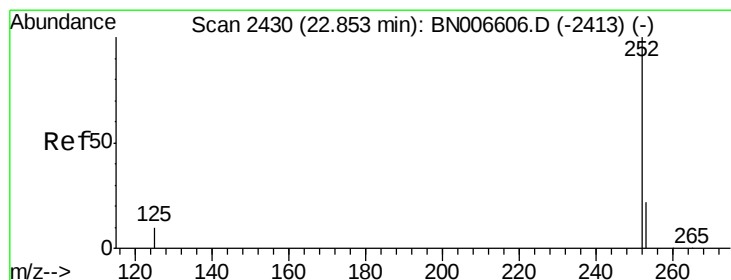
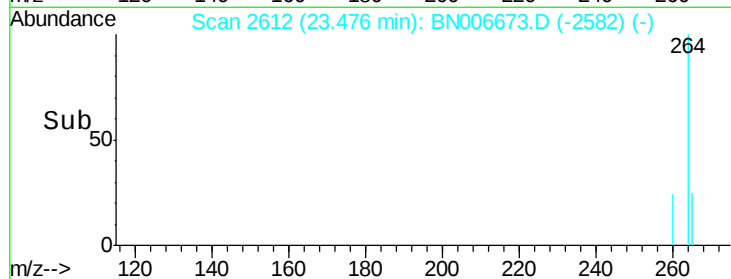
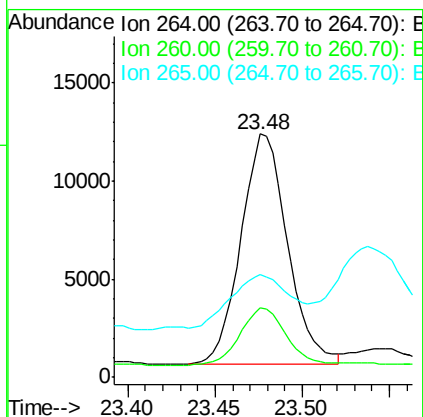
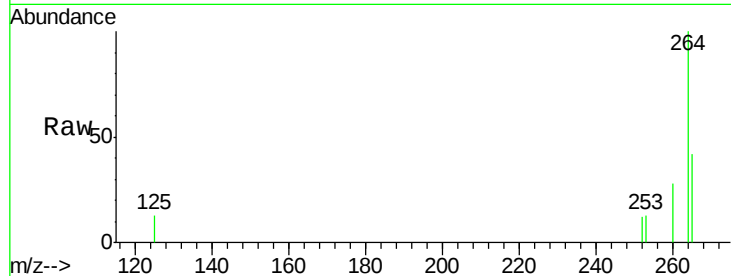
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2612
Delta R.T. -0.05 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.4	20.2	30.2
265	42.2	23.3	34.9

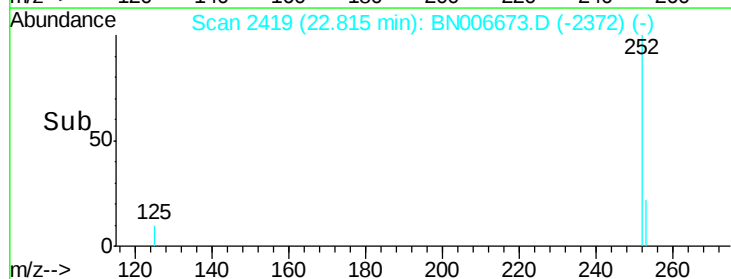
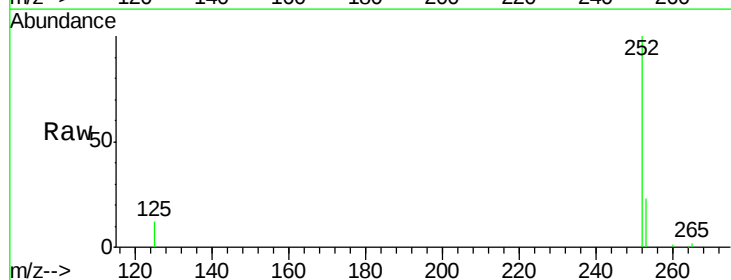
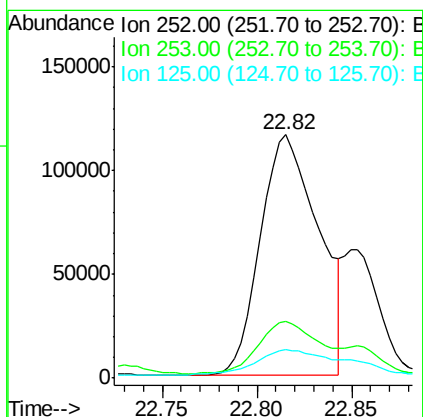
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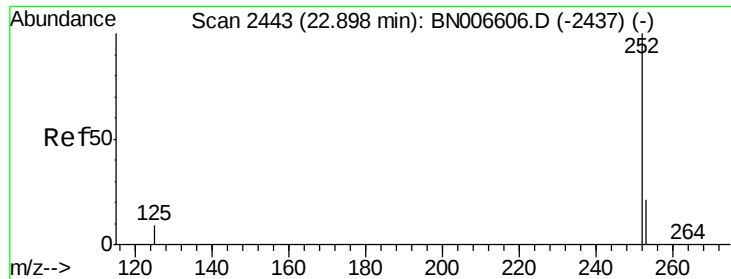
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#35
Benzo(b)fluoranthene
Concen: 3.341 ng
RT: 22.82 min Scan# 2419
Delta R.T. -0.04 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	11.8	8.7	13.1





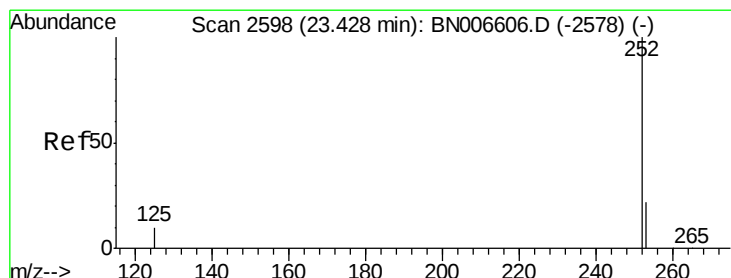
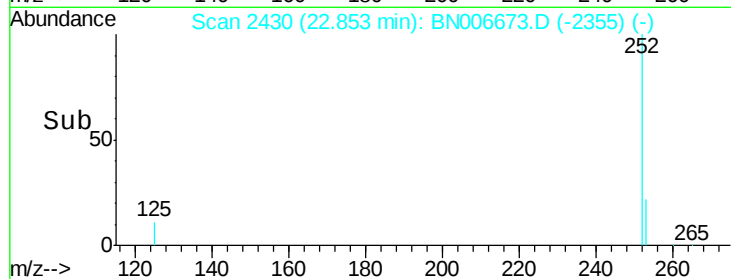
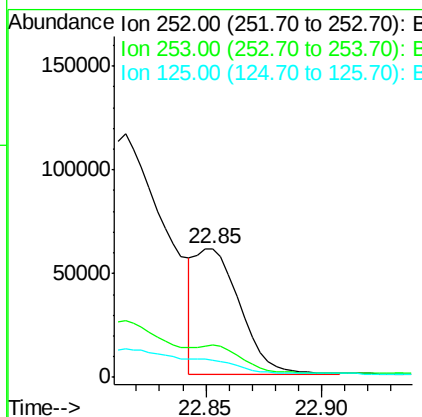
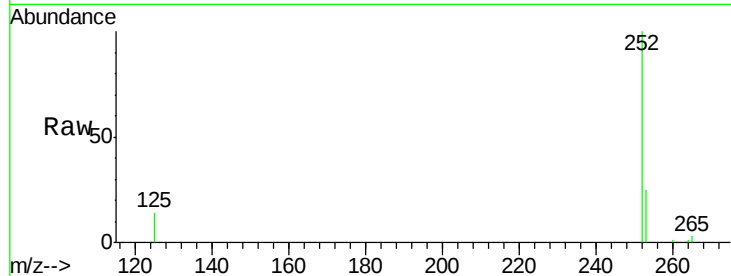
#36
Benzo(k)fluoranthene
Concen: 1.034 ng m
RT: 22.85 min Scan# 2430
Delta R.T. -0.04 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.3	27.5
125	13.6	8.4	12.6

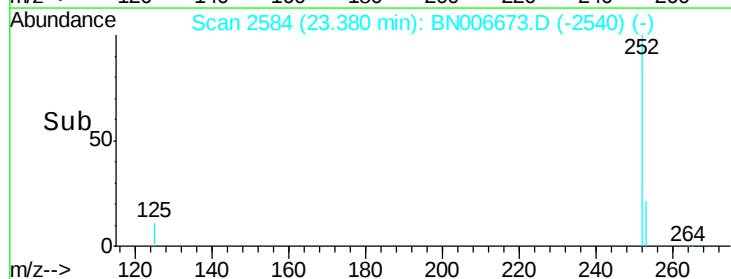
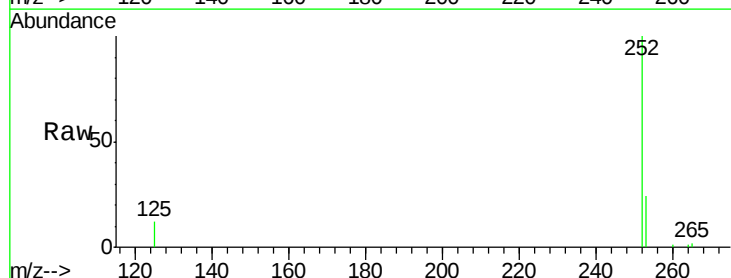
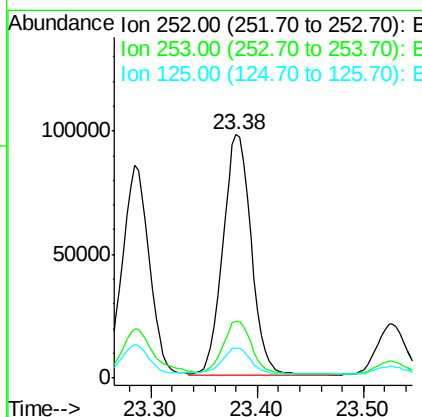
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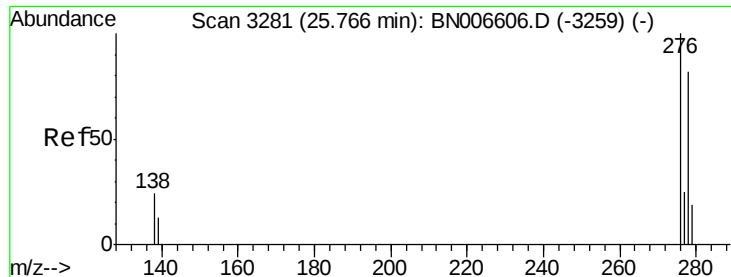
mohammad
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#37
Benzo(a)pyrene
Concen: 2.576 ng
RT: 23.38 min Scan# 2584
Delta R.T. -0.05 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.8	28.2
125	12.4	9.4	14.2





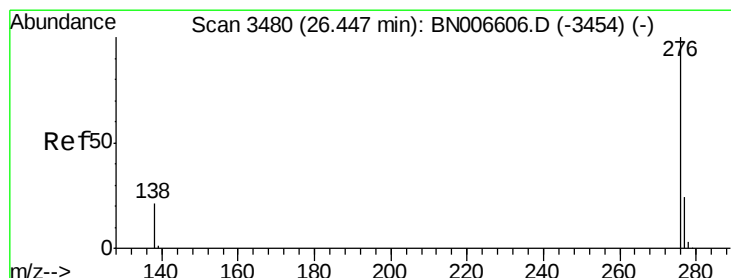
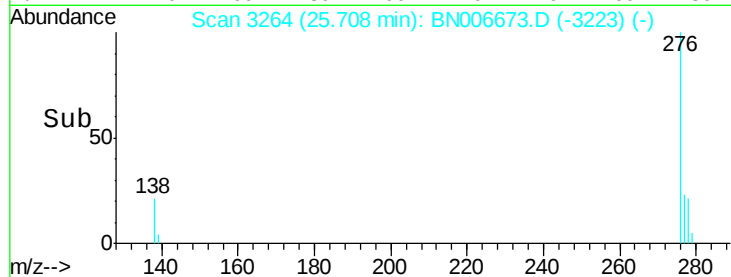
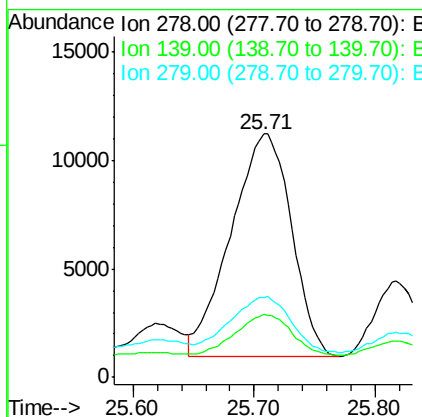
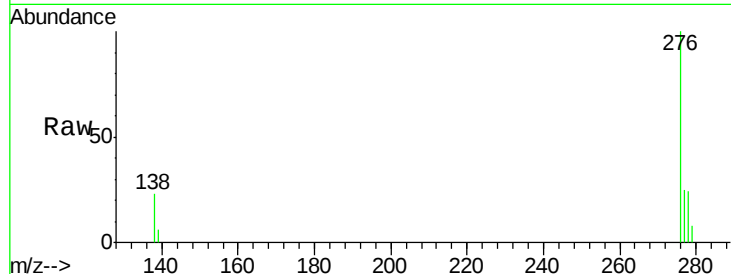
#38
Dibenzo(a,h)anthracene
Concen: 0.589 ng
RT: 25.71 min Scan# 3264
Delta R.T. -0.06 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW141-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.8	13.5	20.3#
279	33.0	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:46 PM



#39
Benzo(g,h,i)perylene
Concen: 2.223 ng
RT: 26.39 min Scan# 3464
Delta R.T. -0.05 min
Lab File: BN006673.D
Acq: 01 Jul 2019 23:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.6	29.4
138	23.2	17.7	26.5

