

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006683.D
 Acq On : 02 Jul 2019 05:44
 Operator : HP/JU
 Sample : K3505-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-009-SW135-062019

Manual Integrations
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Quant Time: Jul 02 07:47:51 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	4441	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	17625	0.40	ng	-0.01
13) Acenaphthene-d10	14.27	164	9777	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	20701	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	18795	0.40	ng	-0.02
34) Perylene-d12	23.48	264	22352	0.40	ng	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	2953	0.27	ng	0.00
5) Phenol-d6	6.82	99	4014	0.28	ng	0.00
8) Nitrobenzene-d5	8.79	82	2724	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	11.99	152	6403	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1259	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	8382	0.23	ng	-0.01
25) Fluoranthene-d10	19.07	212	12285	0.20	ng	0.00
29) Terphenyl-d14	19.67	244	8401	0.21	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	9529	0.206	ng	97
12) 2-Methylnaphthalene	12.07	142	7656	0.239	ng	98
16) Acenaphthylene	13.99	152	69939	1.500	ng	99
17) Acenaphthene	14.33	154	6726	0.219	ng	94
18) Fluorene	15.32	166	15007	0.387	ng	# 84
23) Phenanthrene	17.07	178	267907	4.551	ng	100
24) Anthracene	17.16	178	53348	1.045	ng	99
26) Fluoranthene	19.10	202	361166	5.049	ng	98
28) Pyrene	19.46	202	476330	7.243	ng	97
30) Benzo(a)anthracene	21.23	228	202958	3.303	ng	95
31) Chrysene	21.28	228	250418	3.780	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	35929	1.162	ng	99
33) Indeno(1,2,3-cd)pyrene	25.70	276	117323	1.750	ng	97
35) Benzo(b)fluoranthene	22.81	252	236409	3.109	ng	99
36) Benzo(k)fluoranthene	22.85	252	81311m	1.003	ng	
37) Benzo(a)pyrene	23.38	252	181978	2.560	ng	100
38) Dibenzo(a,h)anthracene	25.70	278	36067	0.581	ng	# 82
39) Benzo(a,h,i)perylene	26.39	276	127680	2.060	ng	99

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

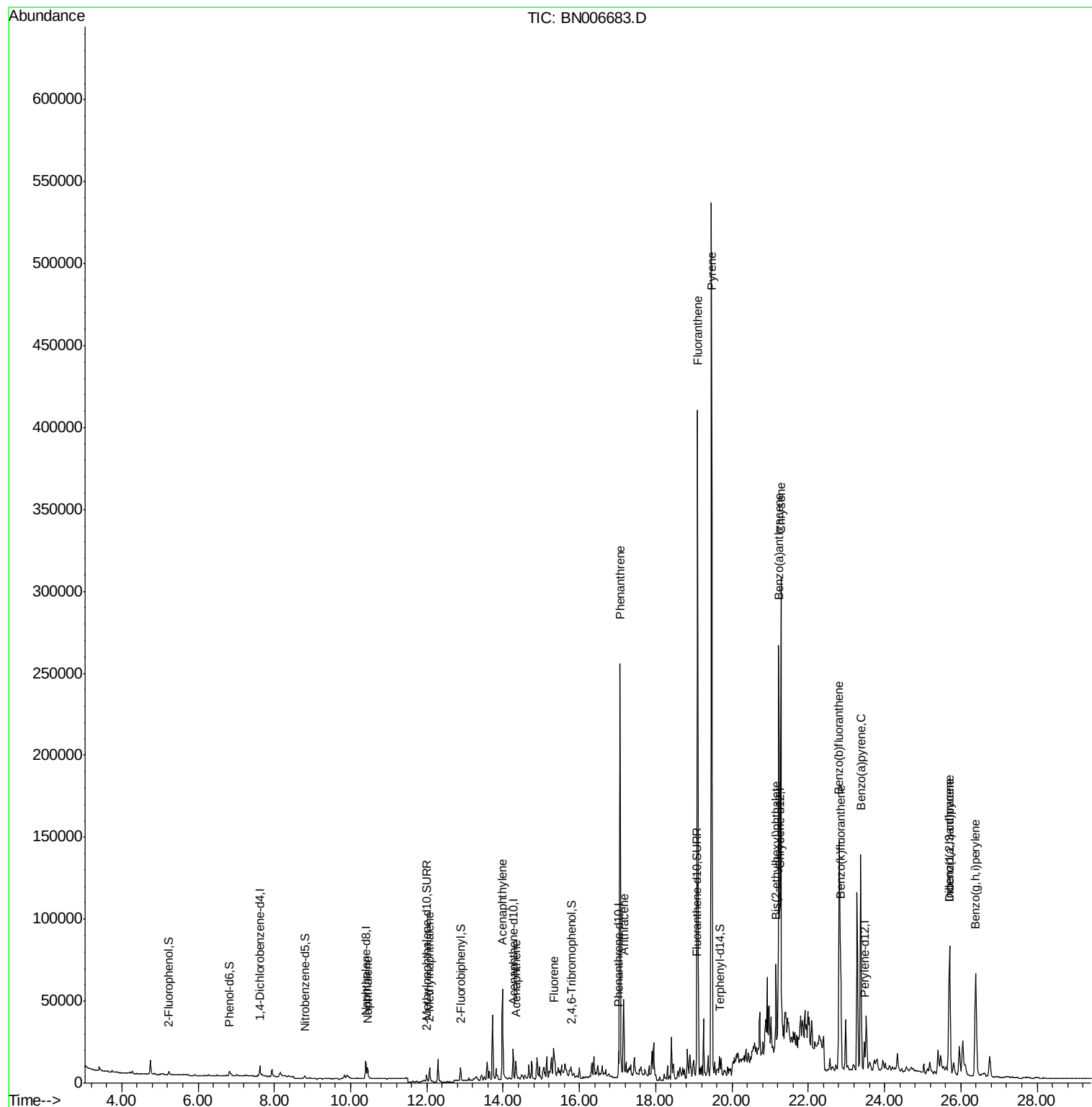
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006683.D
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ALS Vial : 31 Sample Multiplier: 1

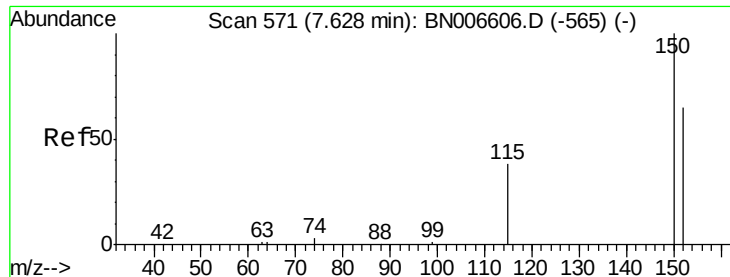
Instrument :
BNA_N
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EXT-009-SW135-062019

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Quant Time: Jul 02 07:47:51 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
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#1

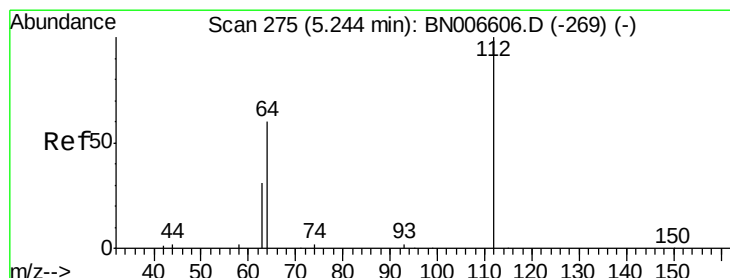
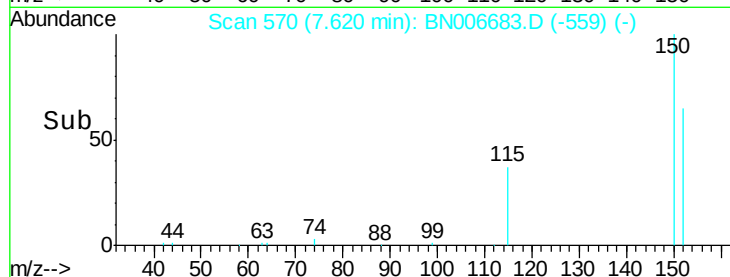
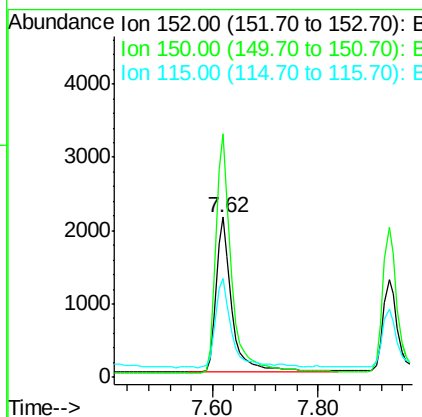
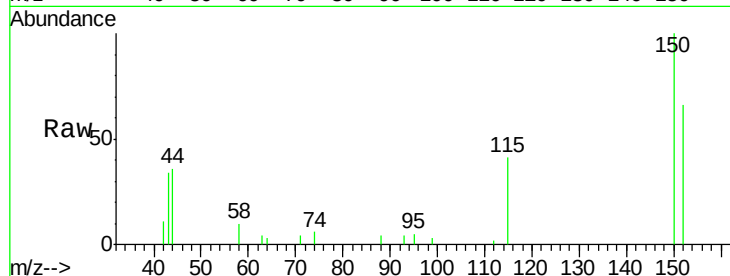
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	122.2	183.2
115	61.9	50.0	75.0

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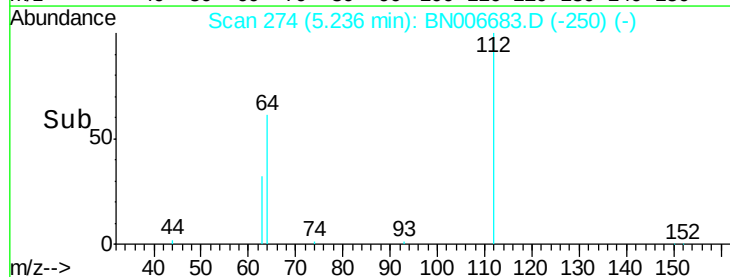
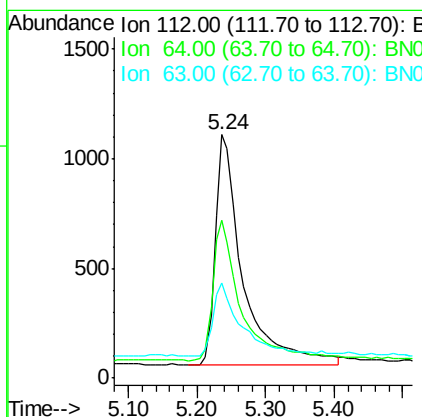
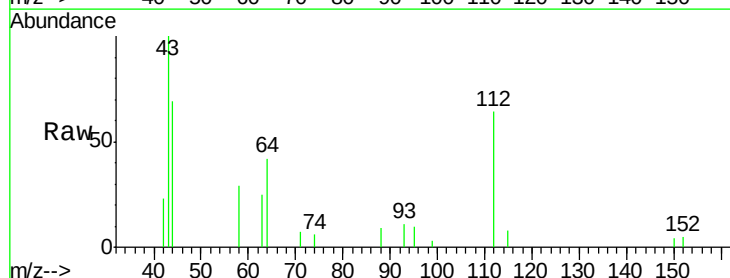
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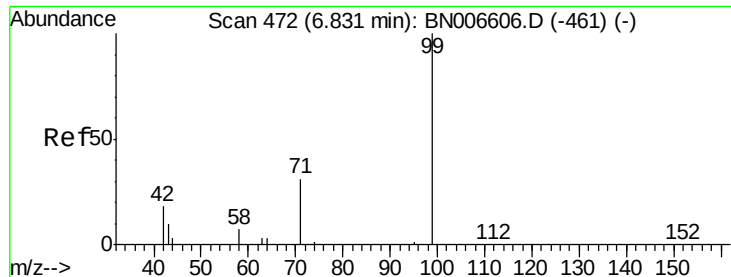


#4

2-Fluorophenol
Concen: 0.271 ng
RT: 5.24 min Scan# 274
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	48.9	73.3
63	33.3	24.3	36.5





#5

Phenol-d6

Concen: 0.278 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006683.D

Acq: 02 Jul 2019 05:44

Instrument :

BNA_N

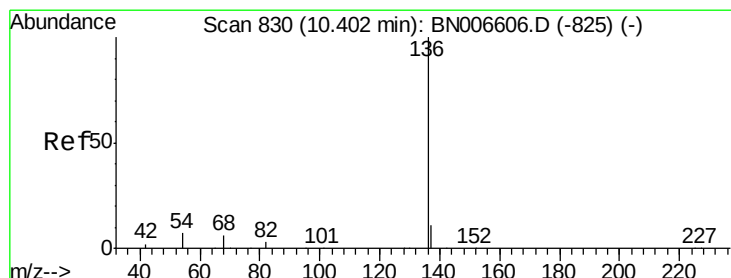
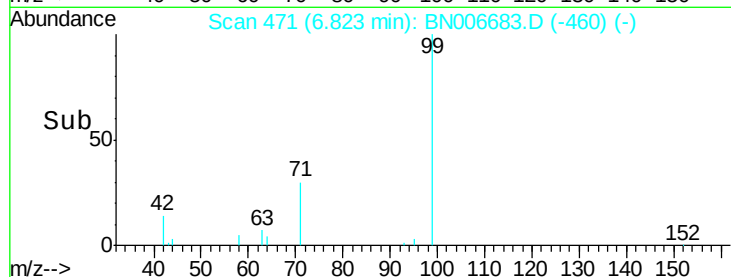
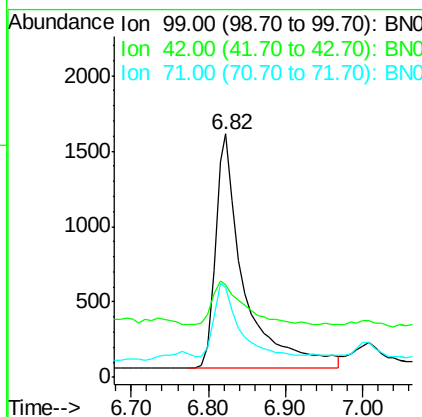
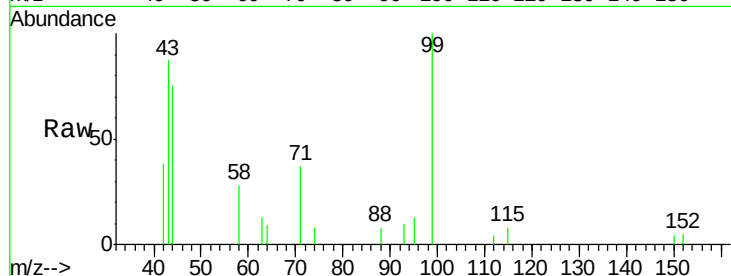
ClientSampleId :

EXT-009-SW135-062019

Tot Ion:	99	Resp:	4014
Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.4	24.6
71	27.5	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

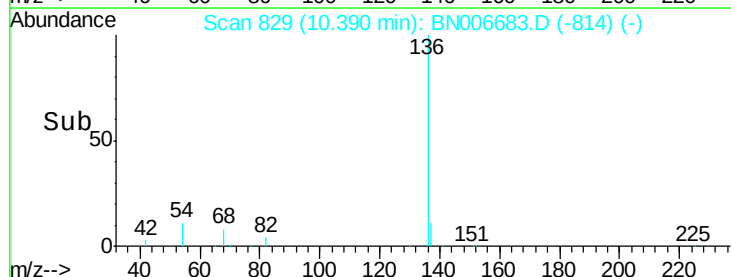
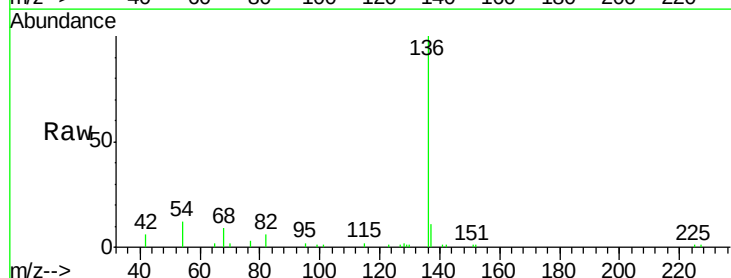
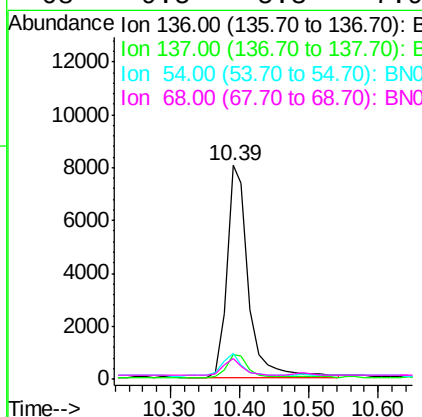
RT: 10.39 min Scan# 829

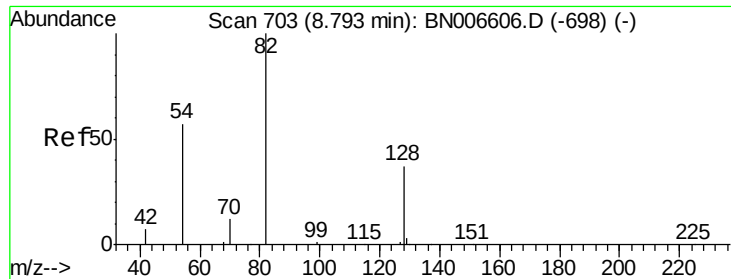
Delta R.T. -0.01 min

Lab File: BN006683.D

Acq: 02 Jul 2019 05:44

Tgt Ion:	136	Resp:	17625
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	12.0	6.7	10.1#
68	9.5	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 0.230 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006683.D

Acq: 02 Jul 2019 05:44

Instrument :

BNA_N

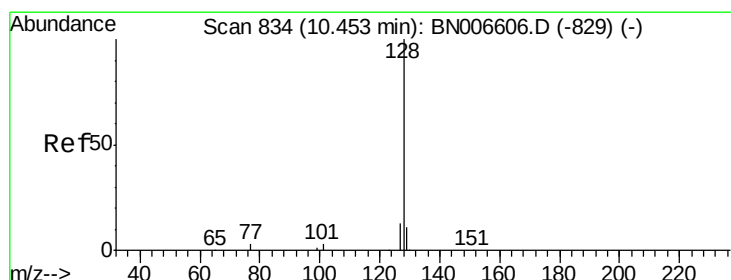
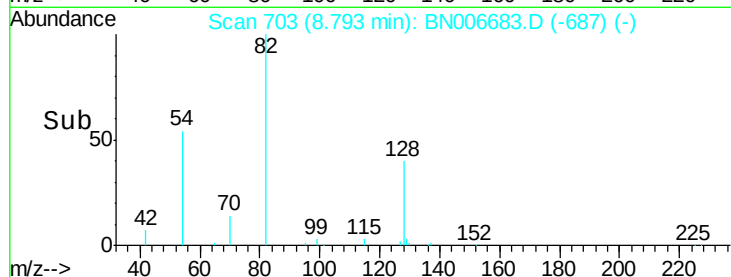
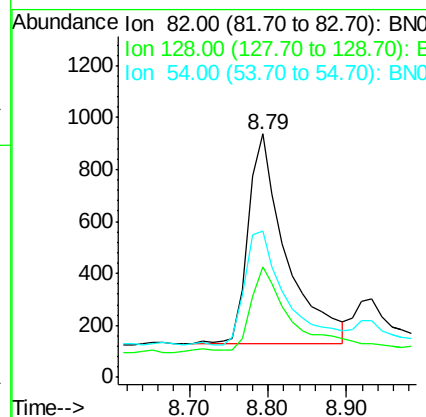
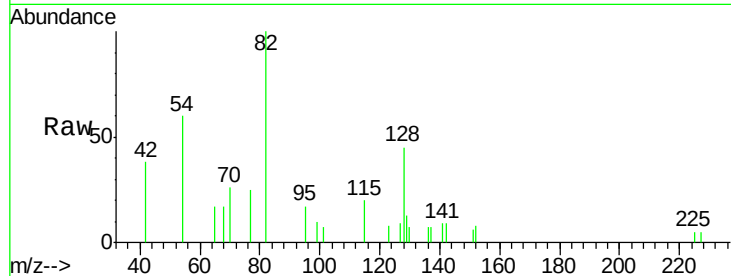
ClientSampleId :

EXT-009-SW135-062019

Tot Ion:	82	Resp:	2724
Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.6	49.0
54	60.0	48.2	72.4

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#9

Naphthalene

Concen: 0.206 ng

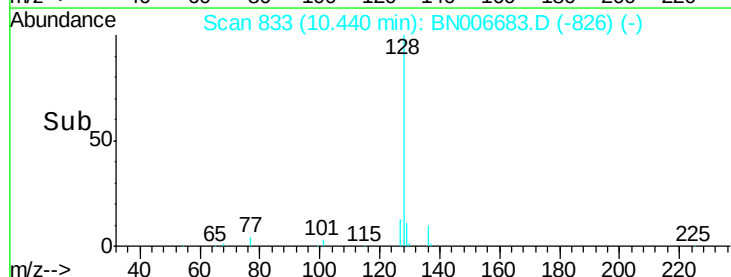
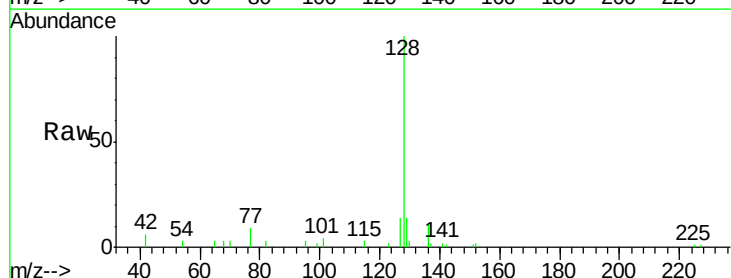
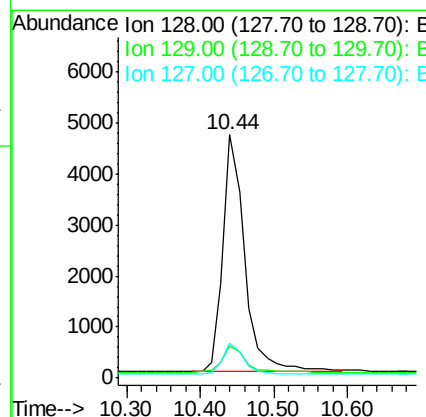
RT: 10.44 min Scan# 833

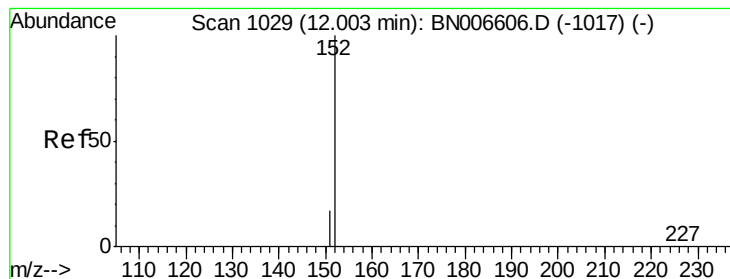
Delta R.T. -0.01 min

Lab File: BN006683.D

Acq: 02 Jul 2019 05:44

Tgt Ion:	128	Resp:	9529
Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.3	13.9
127	14.3	10.8	16.2





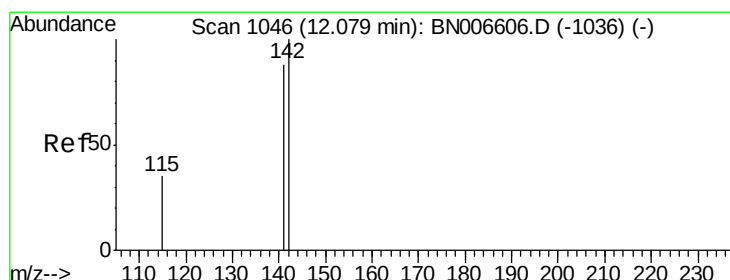
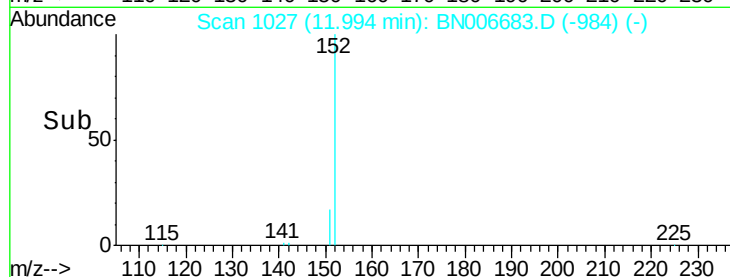
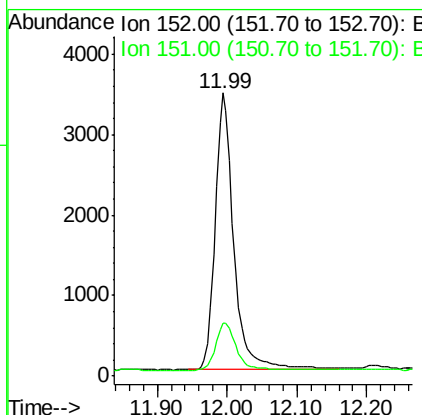
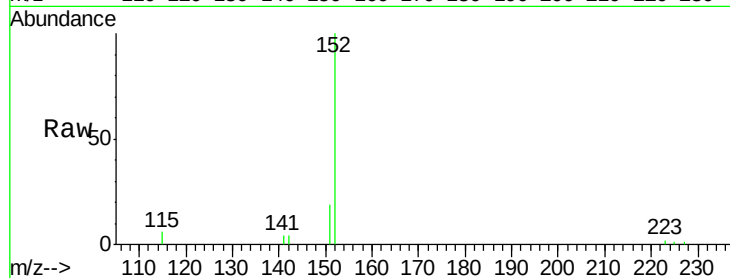
#11
2-Methylnaphthalene-d10
Concen: 0.231 ng
RT: 11.99 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.0	22.4

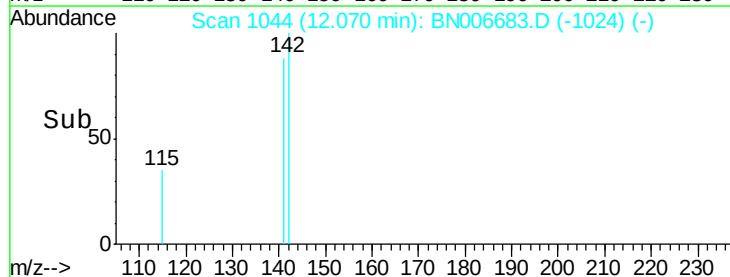
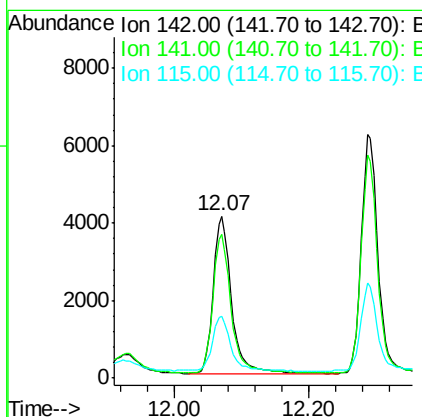
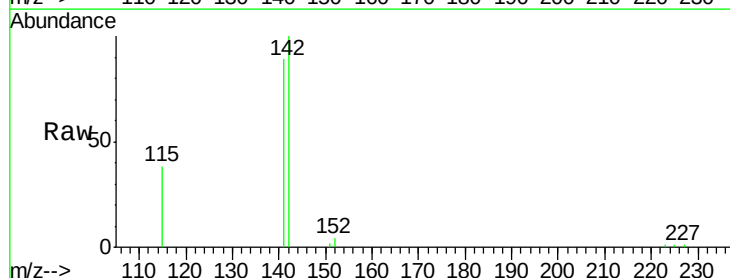
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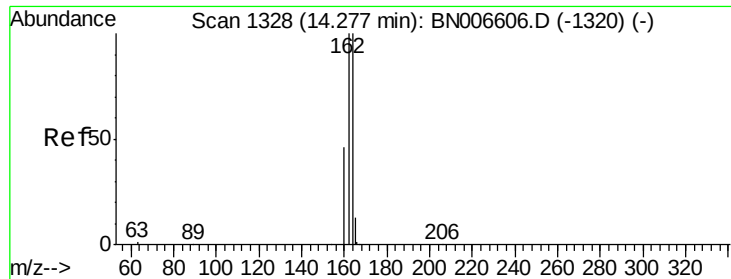
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#12
2-Methylnaphthalene
Concen: 0.239 ng
RT: 12.07 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.2	105.4
115	38.0	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: BN006683.D

Acq: 02 Jul 2019 05:44

Instrument :

BNA_N

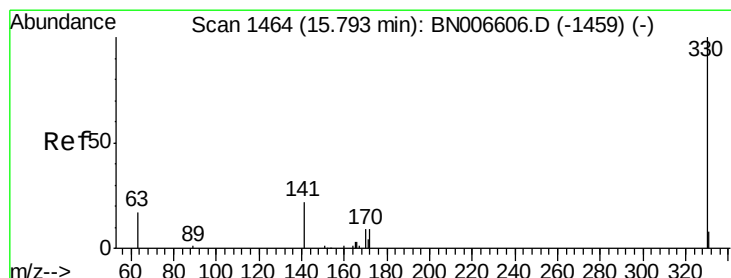
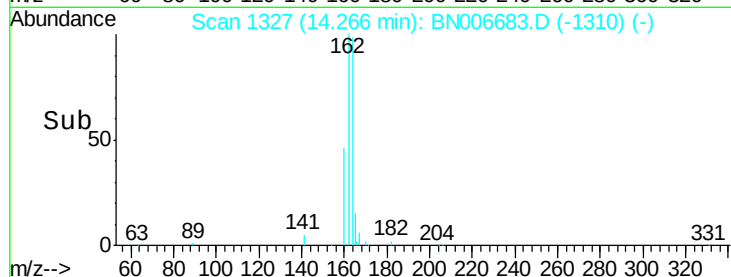
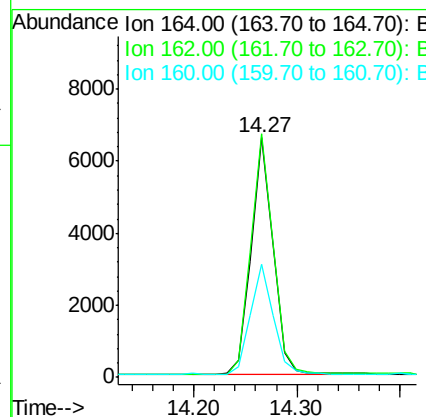
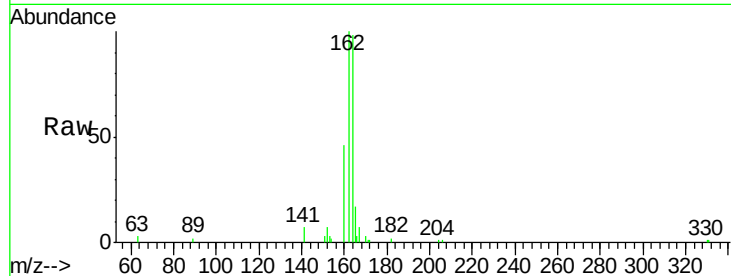
ClientSampleId :

EXT-009-SW135-062019

Tot Ion:	164	Resp:	9777
Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.0	120.0
160	47.3	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.273 ng

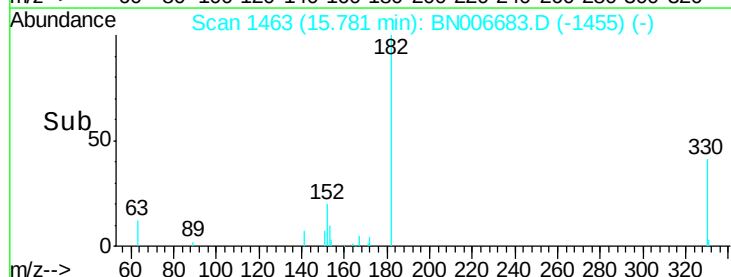
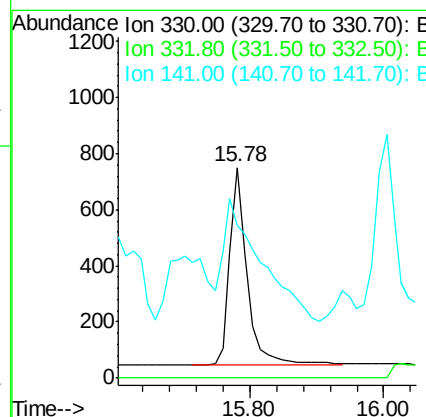
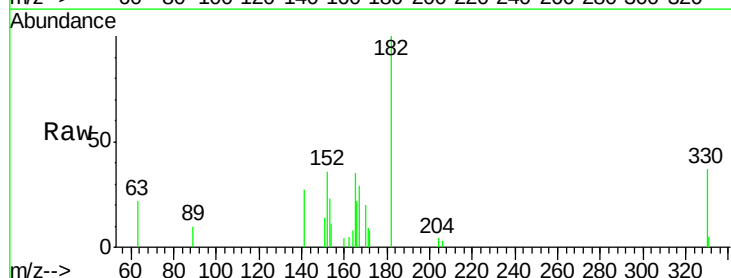
RT: 15.78 min Scan# 1463

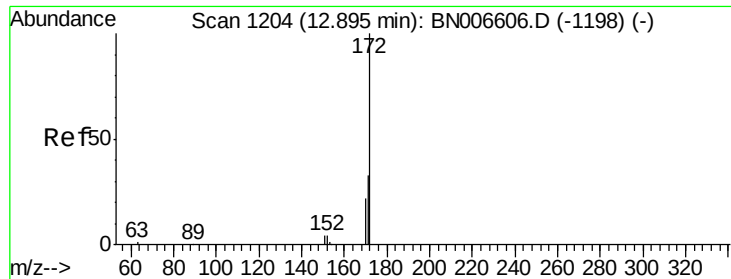
Delta R.T. -0.01 min

Lab File: BN006683.D

Acq: 02 Jul 2019 05:44

Tgt Ion:	330	Resp:	1259
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	134.4	26.5	39.7#





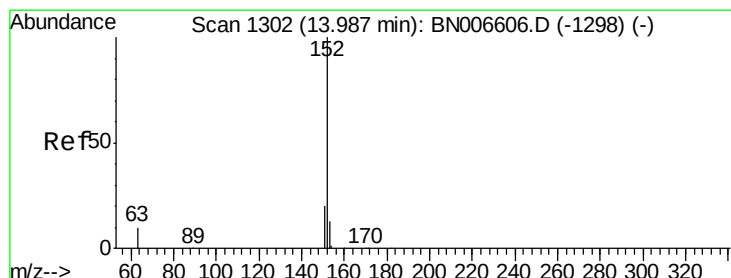
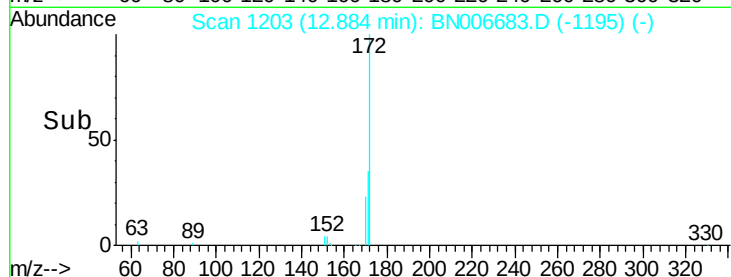
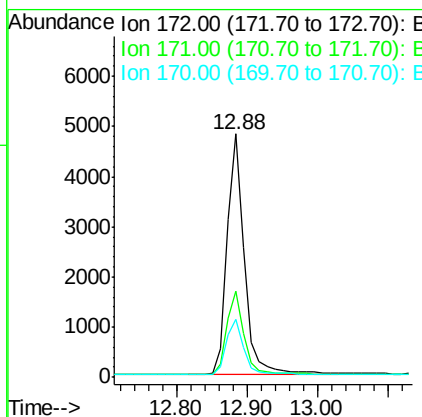
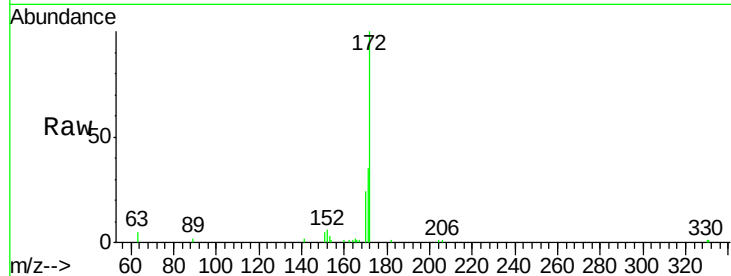
#15
2-Fluorobiphenyl
Concen: 0.231 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.0	40.4
170	23.7	17.7	26.5

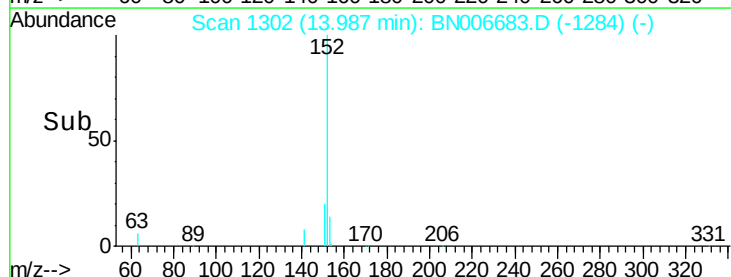
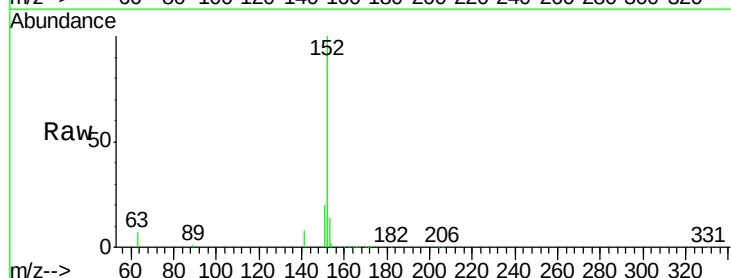
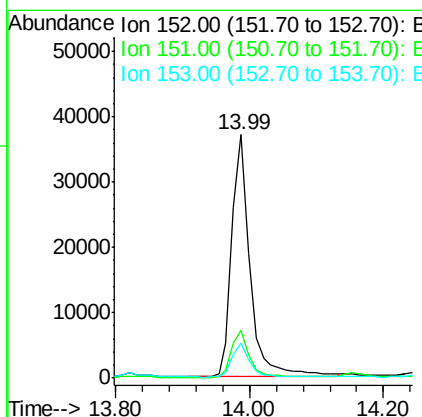
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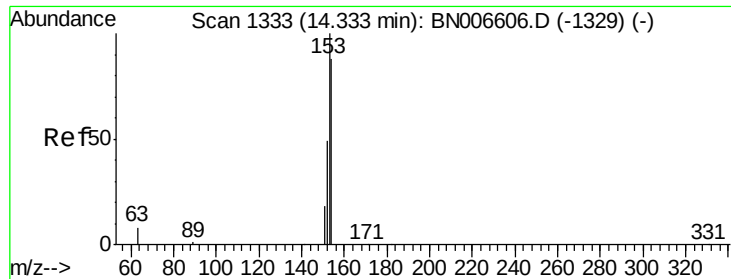
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#16
Acenaphthylene
Concen: 1.500 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.6	10.5	15.7





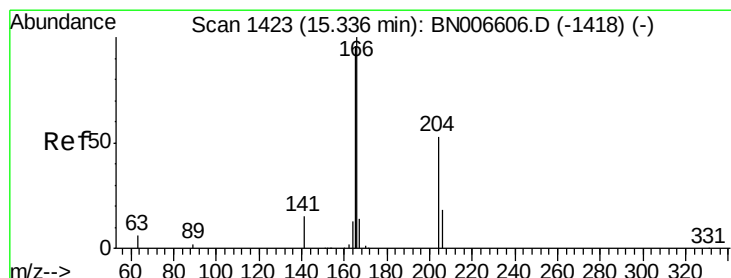
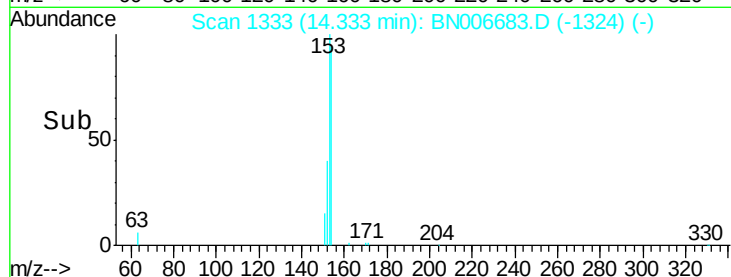
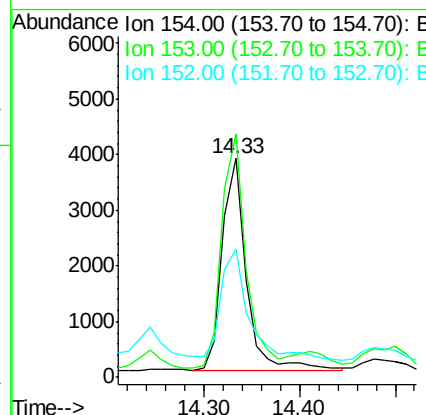
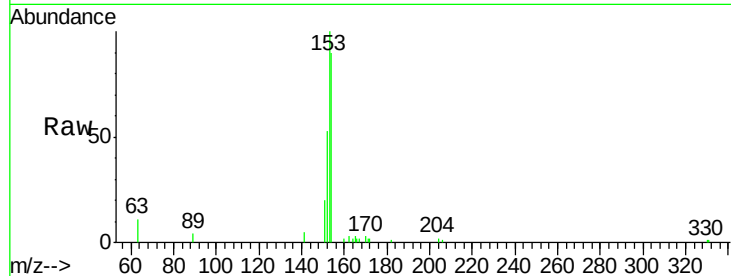
#17
Acenaphthene
Concen: 0.219 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.0	90.2	135.4
152	62.4	44.2	66.4

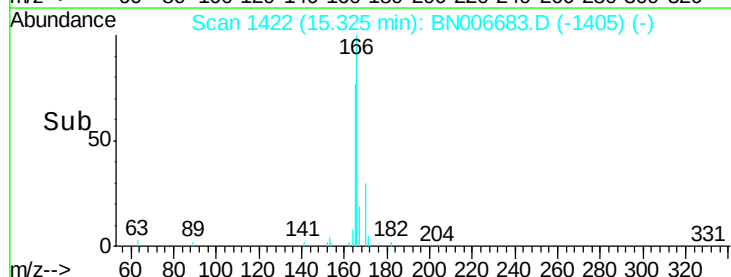
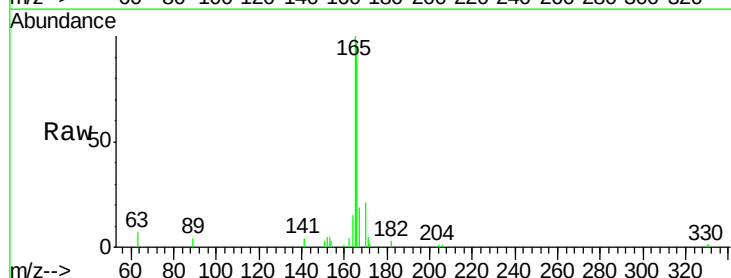
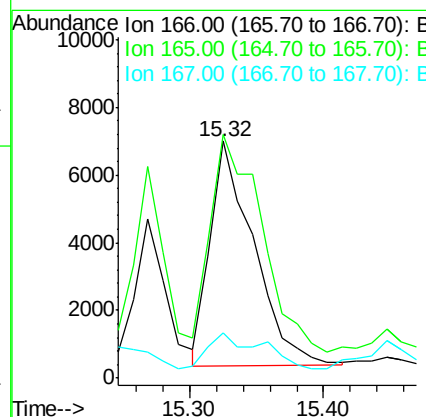
Manual Integrations
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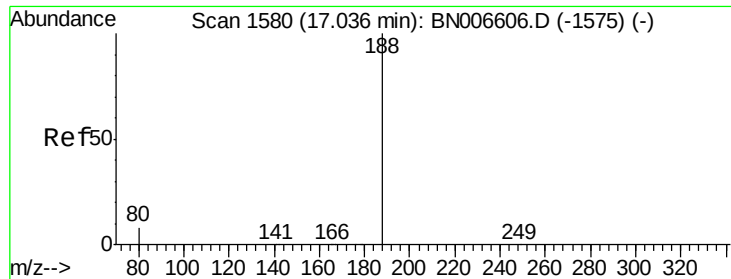
mohammad
7/2/2019 2:53:03 PM



#18
Fluorene
Concen: 0.387 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.3	78.4	117.6
167	19.6	10.8	16.2#





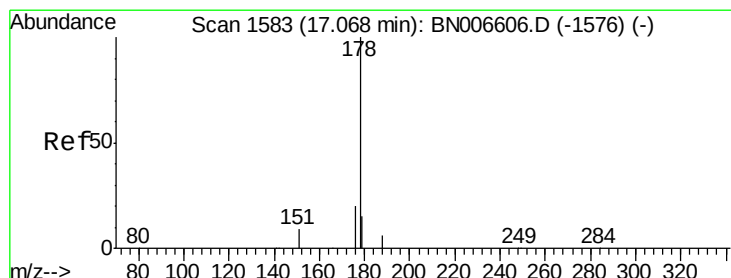
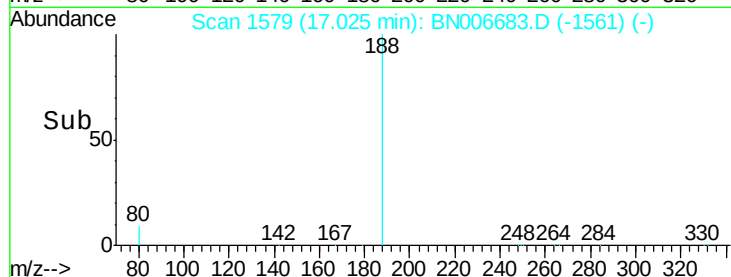
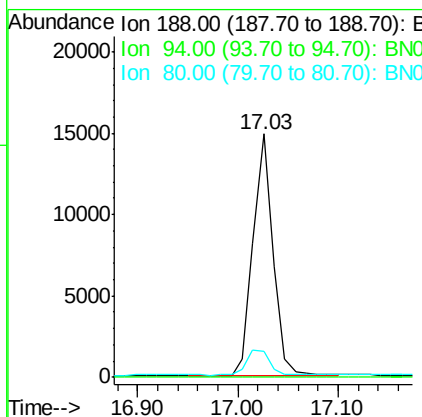
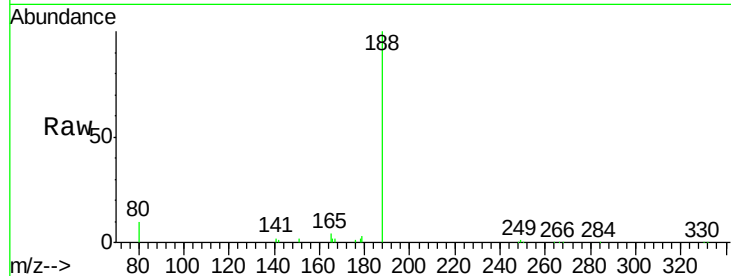
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.03 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Resp	Lower	Upper
188	100	20701		
94	0.0	0.0	0.0	0.0
80	10.5	7.1	10.7	

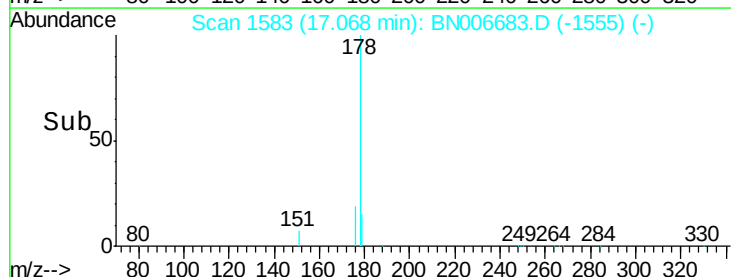
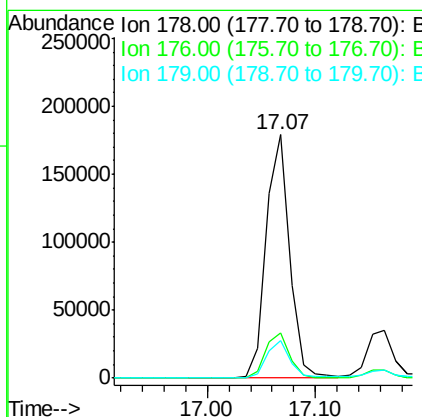
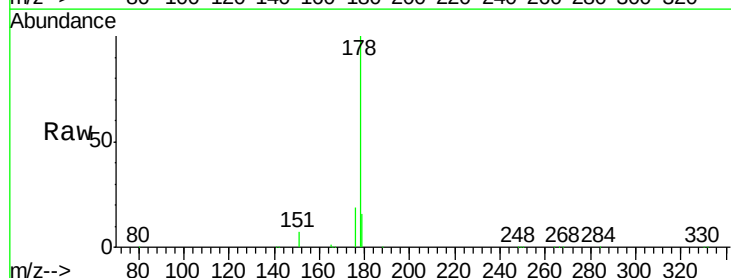
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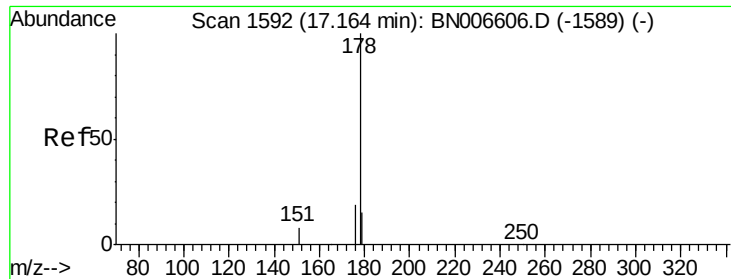
mohammad
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#23
Phenanthrene
Concen: 4.551 ng
RT: 17.07 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	267907		
176	19.0	15.3	22.9	
179	15.6	12.2	18.4	





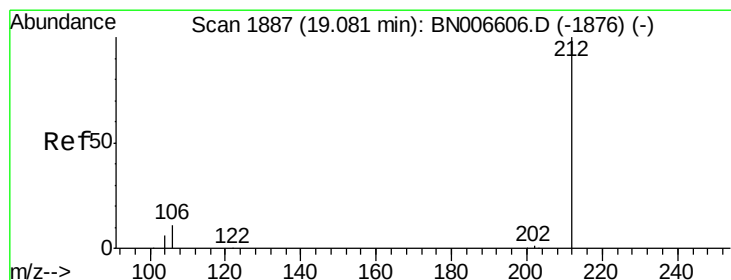
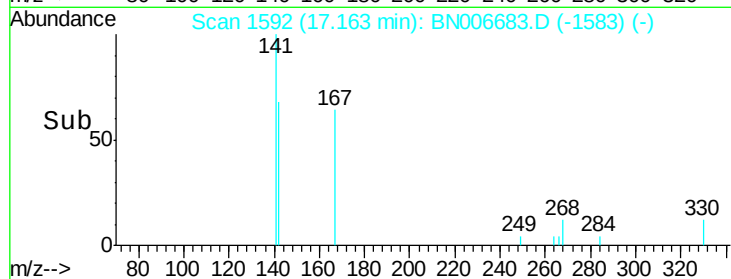
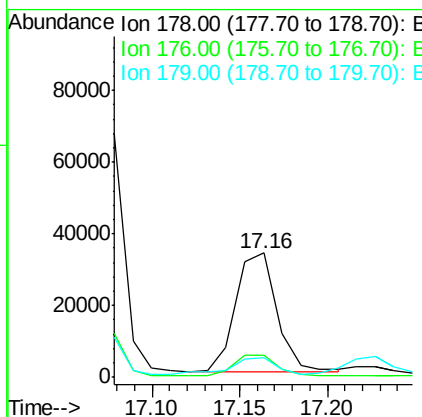
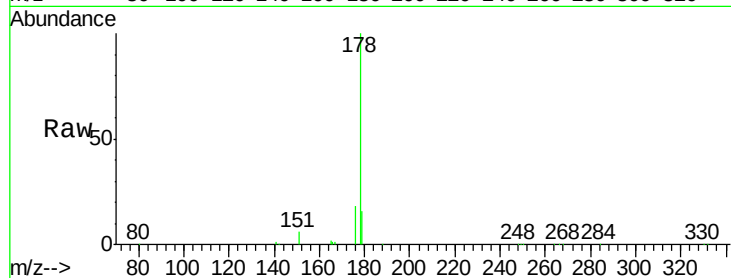
#24
 Anthracene
 Concen: 1.045 ng
 RT: 17.16 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BN006683.D
 Acq: 02 Jul 2019 05:44

Instrument :
 BNA_N
 ClientSampleId :
 EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.1	12.2	18.2

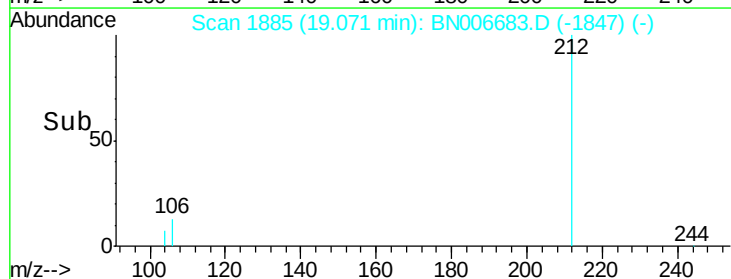
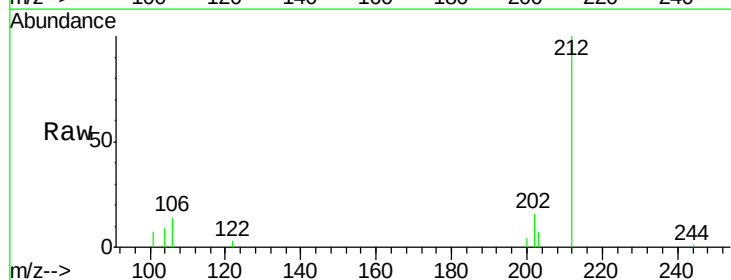
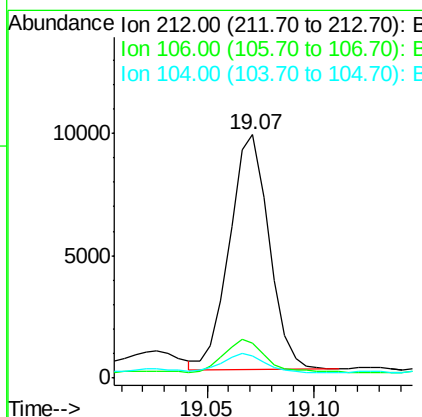
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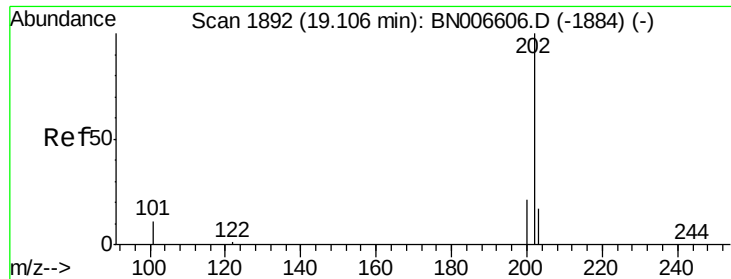
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#25
 Fluoranthene-d10
 Concen: 0.202 ng
 RT: 19.07 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN006683.D
 Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.5	10.6	15.8
104	8.7	5.8	8.6#





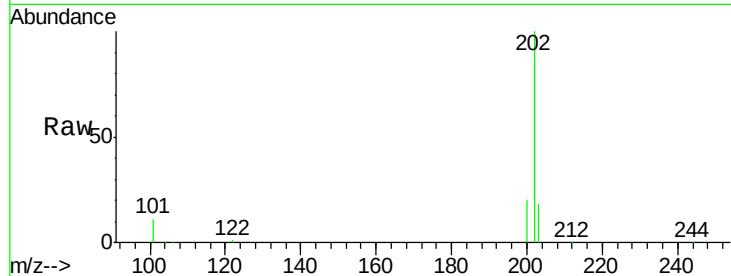
#26
Fluoranthene
Concen: 5.049 ng
RT: 19.10 min Scan# 1891
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

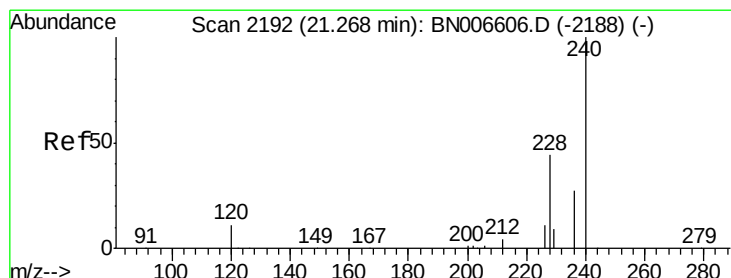
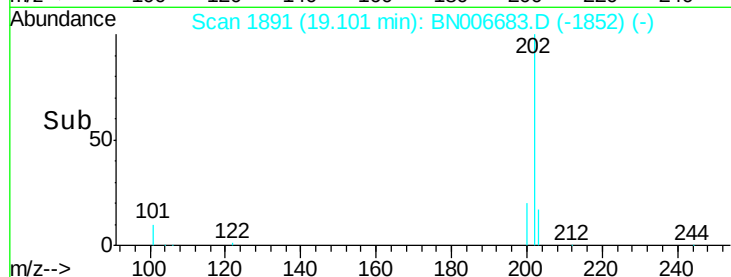
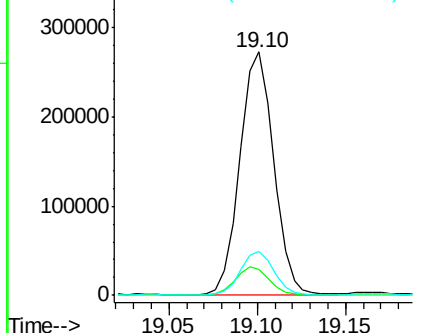
Tot Ion	Ratio	Resp	Lower	Upper
202	100	361166		
101	11.7		8.9	13.3
203	17.9		13.6	20.4

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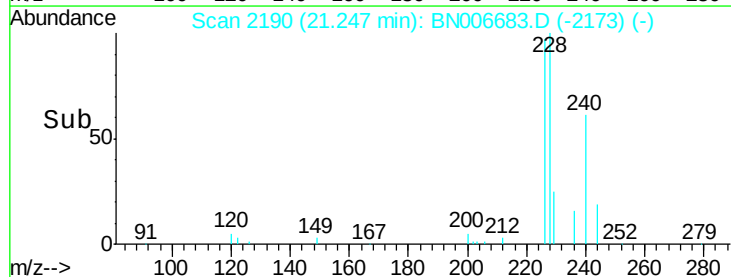
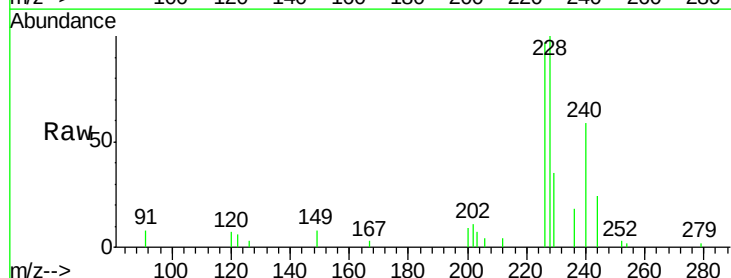
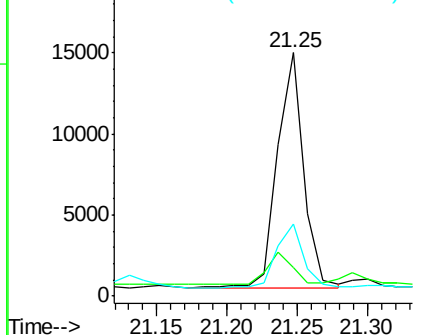
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

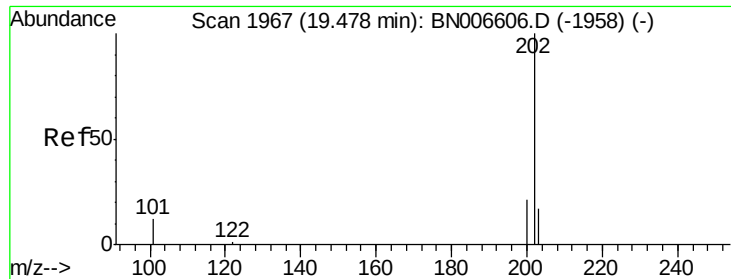


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	18795		
120	11.7		9.9	14.9
236	29.8		22.2	33.4

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





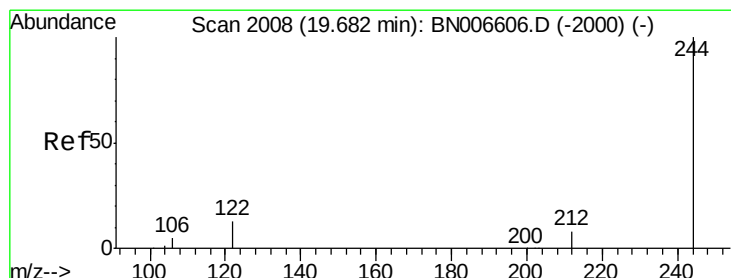
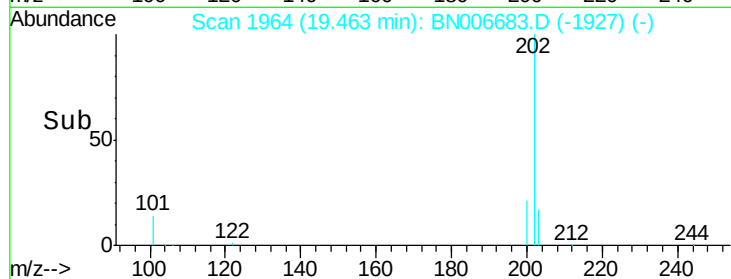
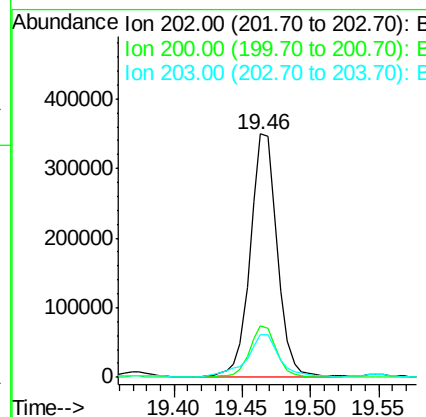
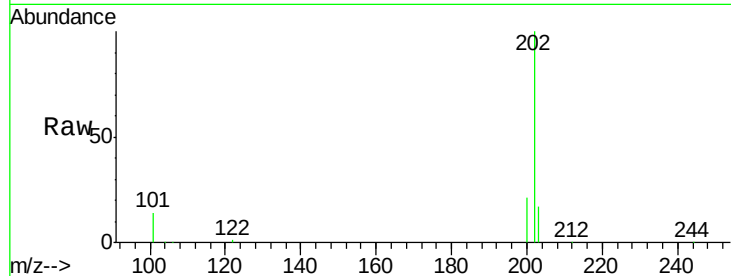
#28
Pvrene
Concen: 7.243 ng
RT: 19.46 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	476330		
200	20.9		16.7	25.1
203	20.9		14.1	21.1

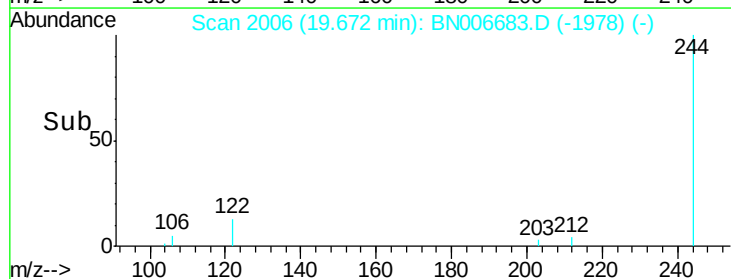
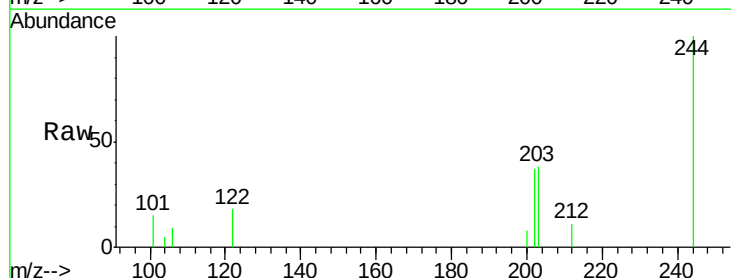
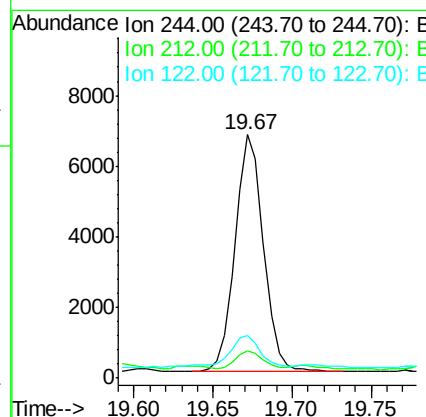
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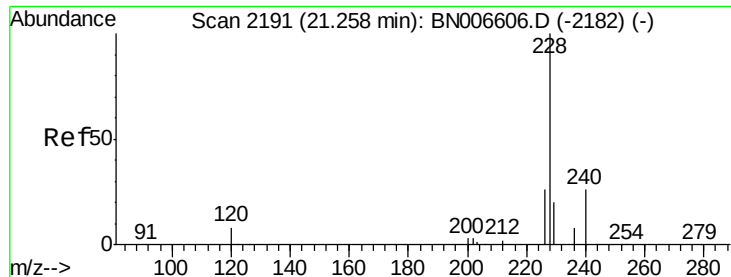
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#29
Terphenyl-d14
Concen: 0.213 ng
RT: 19.67 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	8401		
212	11.3		6.7	10.1#
122	17.5		11.0	16.6#





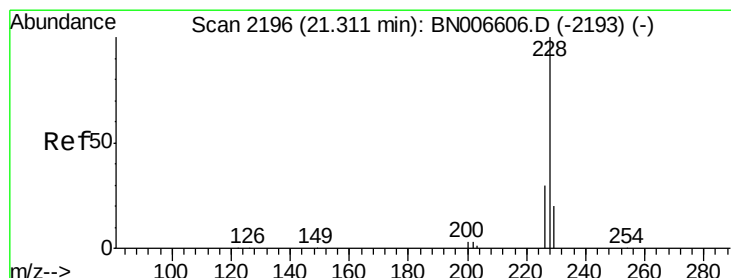
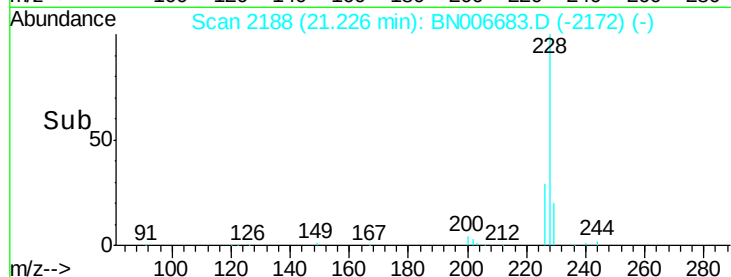
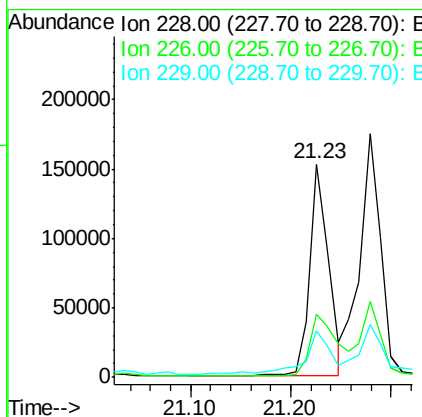
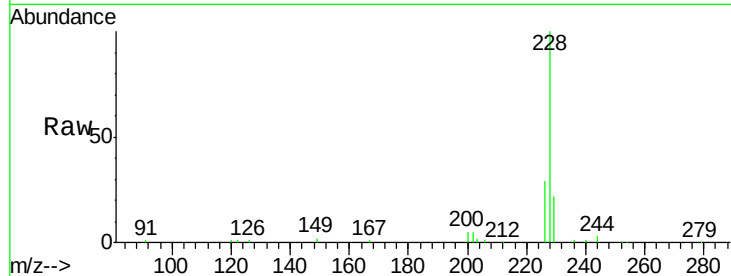
#30
Benzo(a)anthracene
Concen: 3.303 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

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

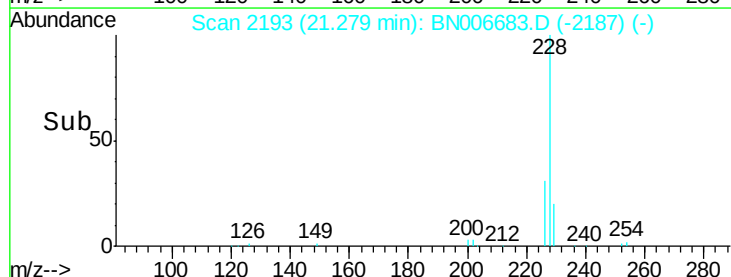
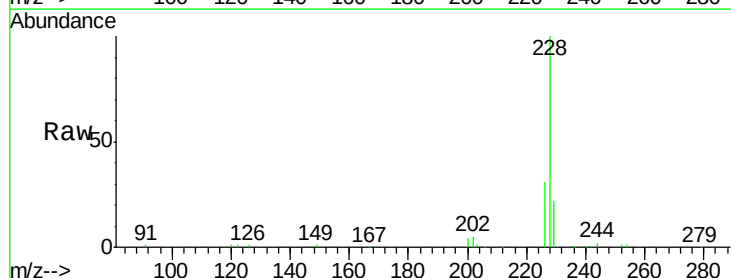
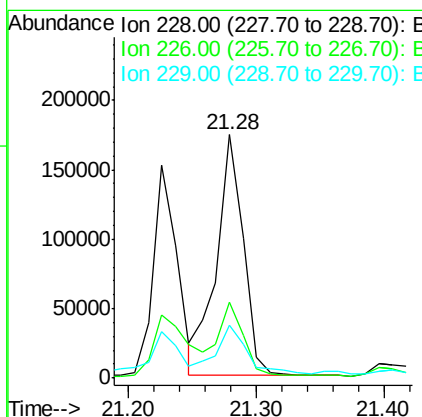
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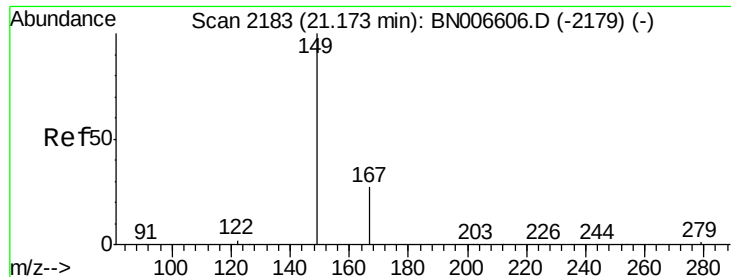
mohammad
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#31
Chrysene
Concen: 3.780 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.8	35.6
229	21.8	15.9	23.9





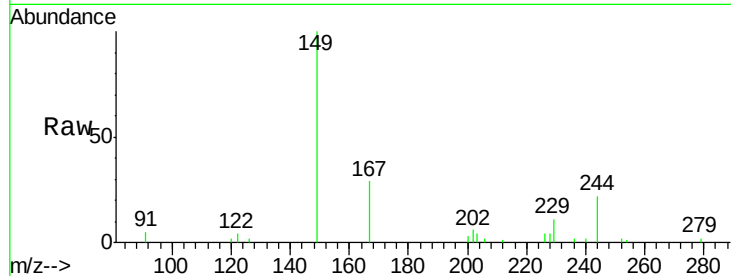
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.162 ng
 RT: 21.15 min Scan# 2181
 Delta R.T. -0.02 min
 Lab File: BN006683.D
 Acq: 02 Jul 2019 05:44

Instrument :
 BNA_N
 ClientSampleId :
 EXT-009-SW135-062019

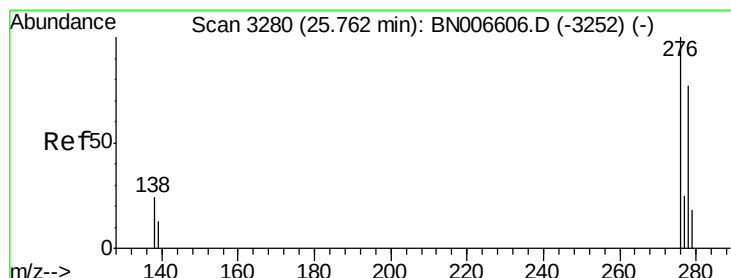
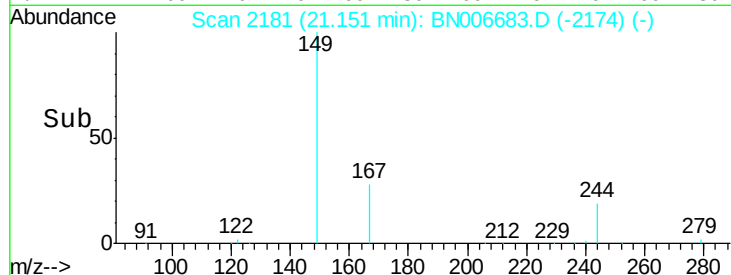
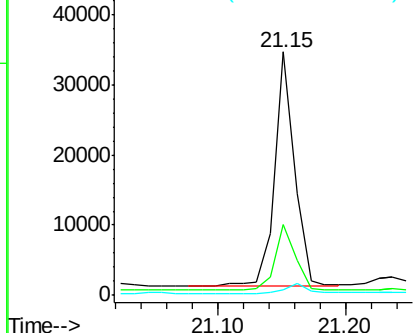
Tot Ion:	149	Resp:	35929
Ion Ratio	Lower	Upper	
149	100		
167	28.9	22.9	34.3
279	4.1	3.3	4.9

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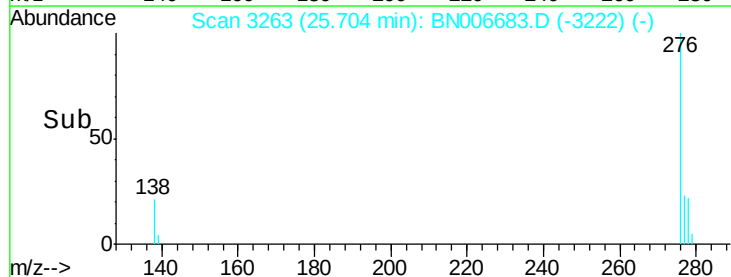
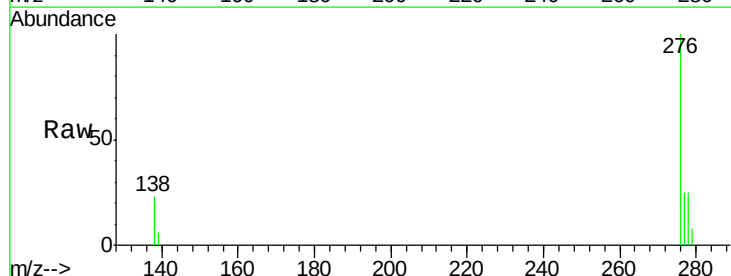
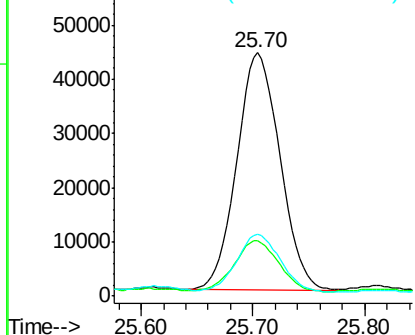
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

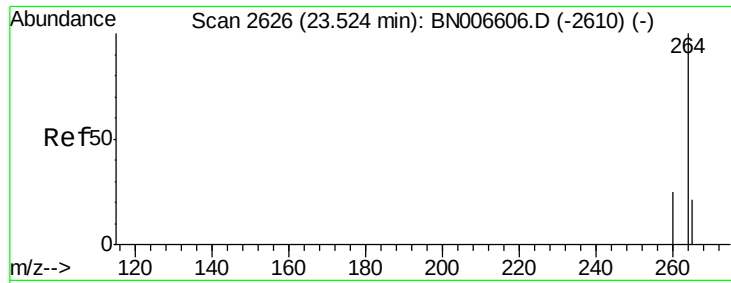


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.750 ng
 RT: 25.70 min Scan# 3263
 Delta R.T. -0.06 min
 Lab File: BN006683.D
 Acq: 02 Jul 2019 05:44

Tgt Ion:	276	Resp:	117323
Ion Ratio	Lower	Upper	
276	100		
138	22.0	19.3	28.9
277	24.4	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





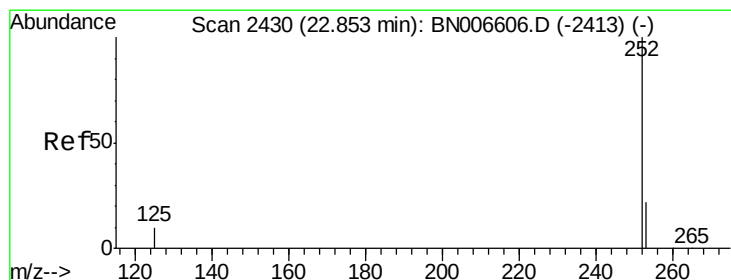
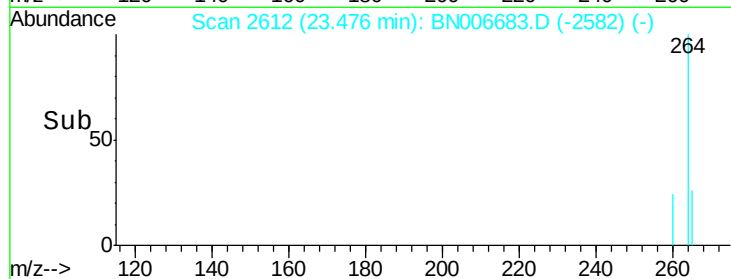
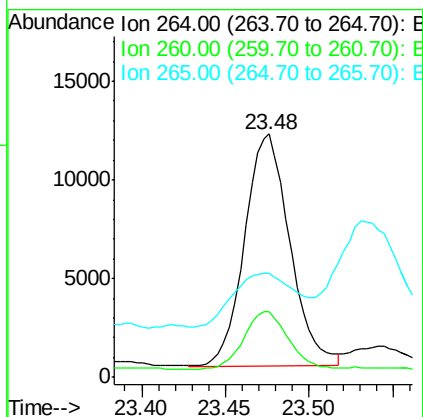
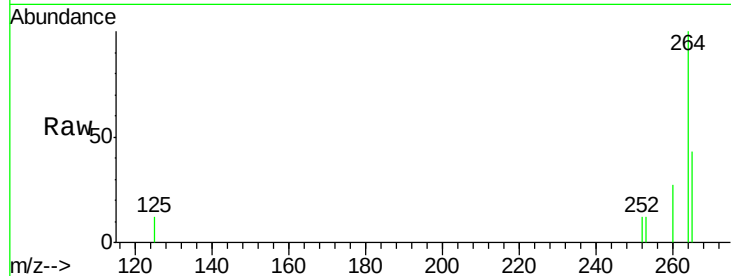
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2612
Delta R.T. -0.05 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.2	30.2
265	42.9	23.3	34.9

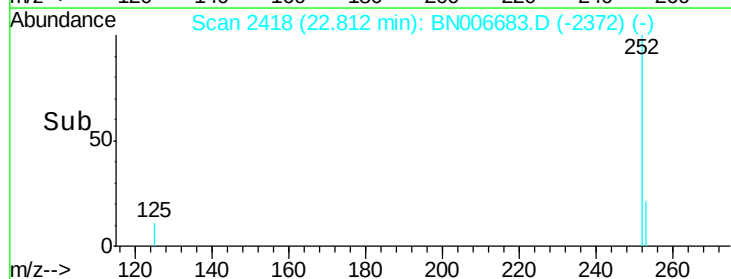
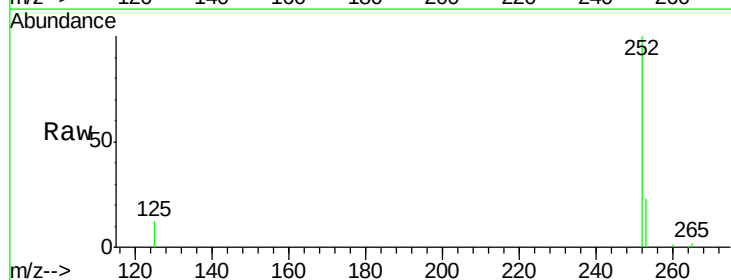
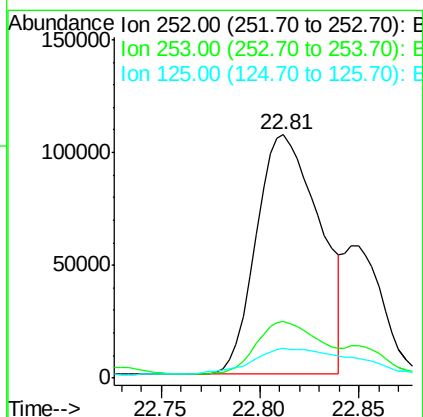
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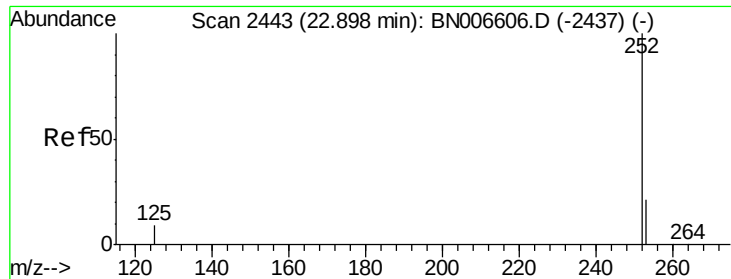
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#35
Benzo(b)fluoranthene
Concen: 3.109 ng
RT: 22.81 min Scan# 2418
Delta R.T. -0.04 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	12.0	8.7	13.1





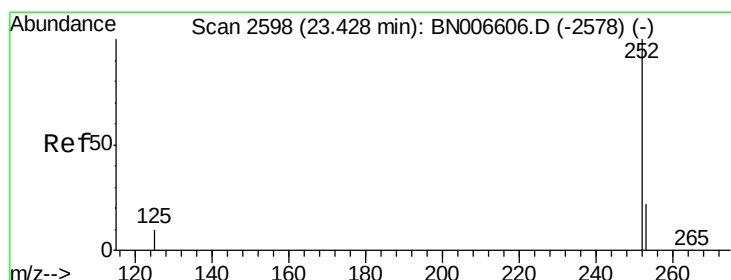
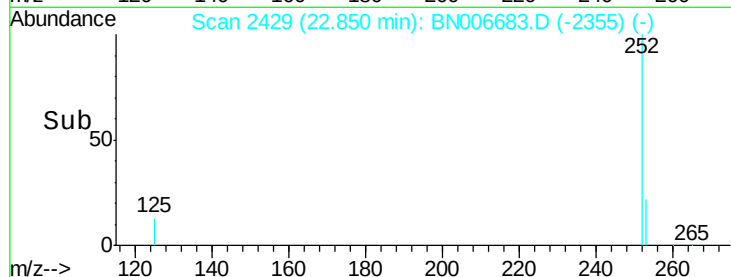
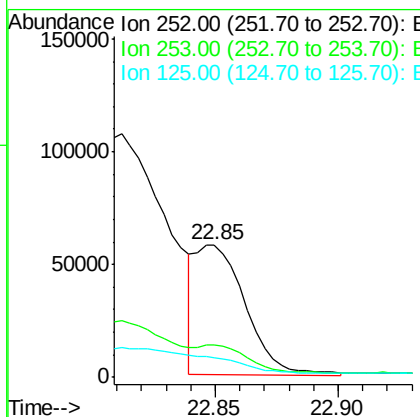
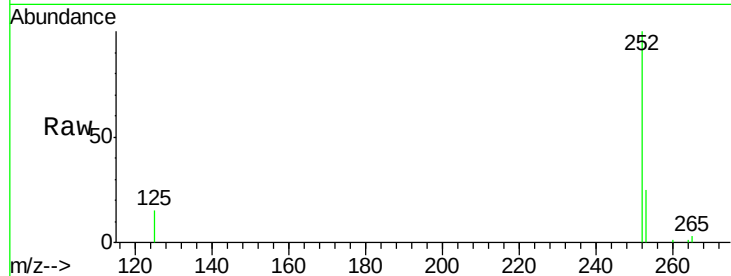
#36
Benzo(k)fluoranthene
Concen: 1.003 ng m
RT: 22.85 min Scan# 2429
Delta R.T. -0.05 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.3	27.5
125	15.3	8.4	12.6

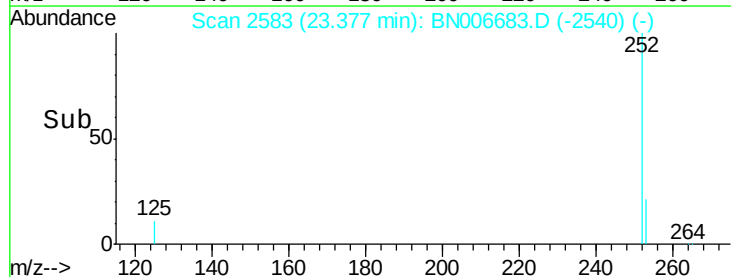
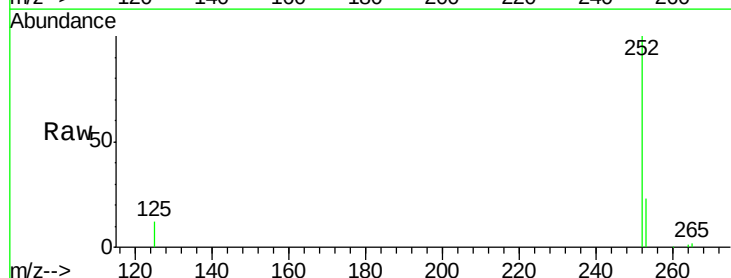
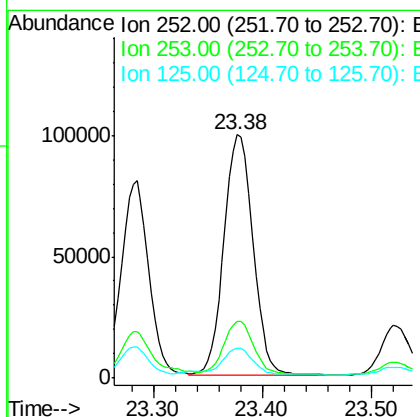
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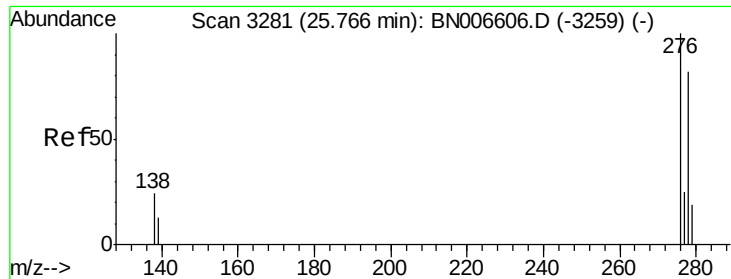
mohammad
7/2/2019 2:53:03 PM



#37
Benzo(a)pyrene
Concen: 2.560 ng
RT: 23.38 min Scan# 2583
Delta R.T. -0.05 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.8	28.2
125	12.2	9.4	14.2





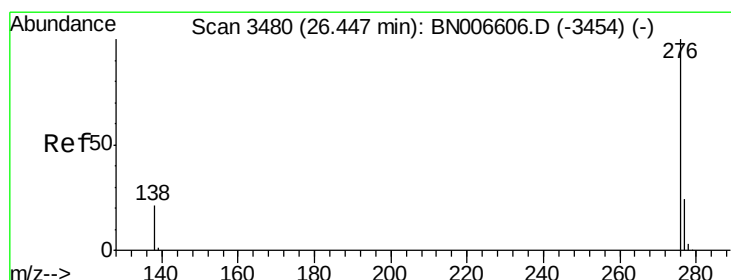
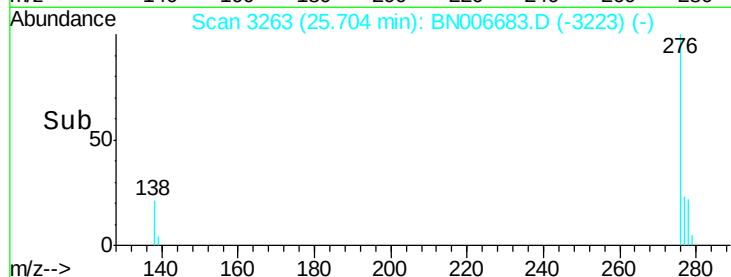
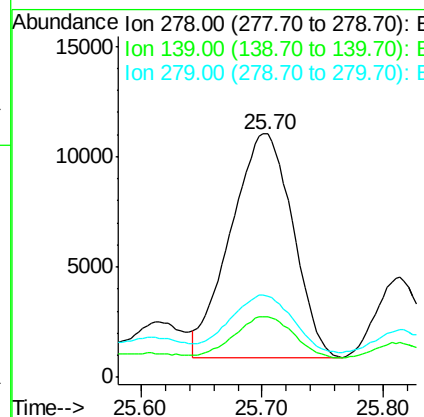
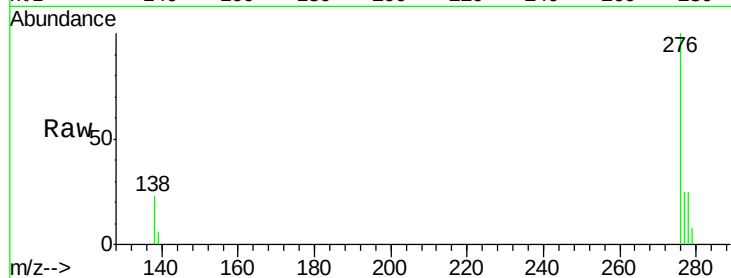
#38
Dibenzo(a,h)anthracene
Concen: 0.581 ng
RT: 25.70 min Scan# 3263
Delta R.T. -0.06 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW135-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.7	13.5	20.3#
279	33.5	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:53:03 PM



#39
Benzo(g,h,i)perylene
Concen: 2.060 ng
RT: 26.39 min Scan# 3464
Delta R.T. -0.05 min
Lab File: BN006683.D
Acq: 02 Jul 2019 05:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	23.3	17.7	26.5

