

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
 Data File : BN007865.D
 Acq On : 25 Sep 2019 21:52
 Operator : JU
 Sample : K4994-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW093-091819-1

Manual Integrations
 APPROVED

mohammad
 9/27/2019 8:28:08 AM

Quant Time: Sep 26 11:53:48 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	11709	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	46244	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	29909	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	48649	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	56602	0.40	ng	-0.01
34) Perylene-d12	23.47	264	75753	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	1286	0.03	ng	0.00
5) Phenol-d6	6.87	99	1861	0.03	ng	0.00
8) Nitrobenzene-d5	8.83	82	1462	0.04	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	2786	0.04	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	422	0.03	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	3925	0.03	ng	-0.01
25) Fluoranthene-d10	19.10	212	5402m	0.03	ng	-0.01
29) Terphenyl-d14	19.69	244	12141	0.09	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	181585	1.399	ng	100
12) 2-Methylnaphthalene	12.13	142	153826	1.754	ng	100
16) Acenaphthylene	14.03	152	1590855	10.029	ng	98
17) Acenaphthene	14.38	154	241563	2.362	ng	93
18) Fluorene	15.36	166	587937	4.486	ng	# 90
23) Phenanthrene	17.10	178	9022306	59.534	ng	98
24) Anthracene	17.19	178	1995606	14.580	ng	98
26) Fluoranthene	19.13	202	10371699	55.039	ng	96
28) Pyrene	19.50	202	13328445	69.043	ng	# 90
30) Benzo(a)anthracene	21.25	228	6254510m	30.007	ng	
31) Chrysene	21.29	228	7524434m	37.040	ng	
32) Bis(2-ethylhexyl)phthalate	21.19	149	4323	0.040	ng	# 52
33) Indeno(1,2,3-cd)pyrene	25.70	276	3717561	14.617	ng	97
35) Benzo(b)fluoranthene	22.82	252	6757377	25.694	ng	98
36) Benzo(k)fluoranthene	22.85	252	2466007m	9.483	ng	
37) Benzo(a)pyrene	23.39	252	5850090m	23.671	ng	
38) Dibenzo(a,h)anthracene	25.70	278	1098907	4.346	ng	95
39) Benzo(a,h,i)perylene	26.38	276	4076561	16.292	ng	99

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

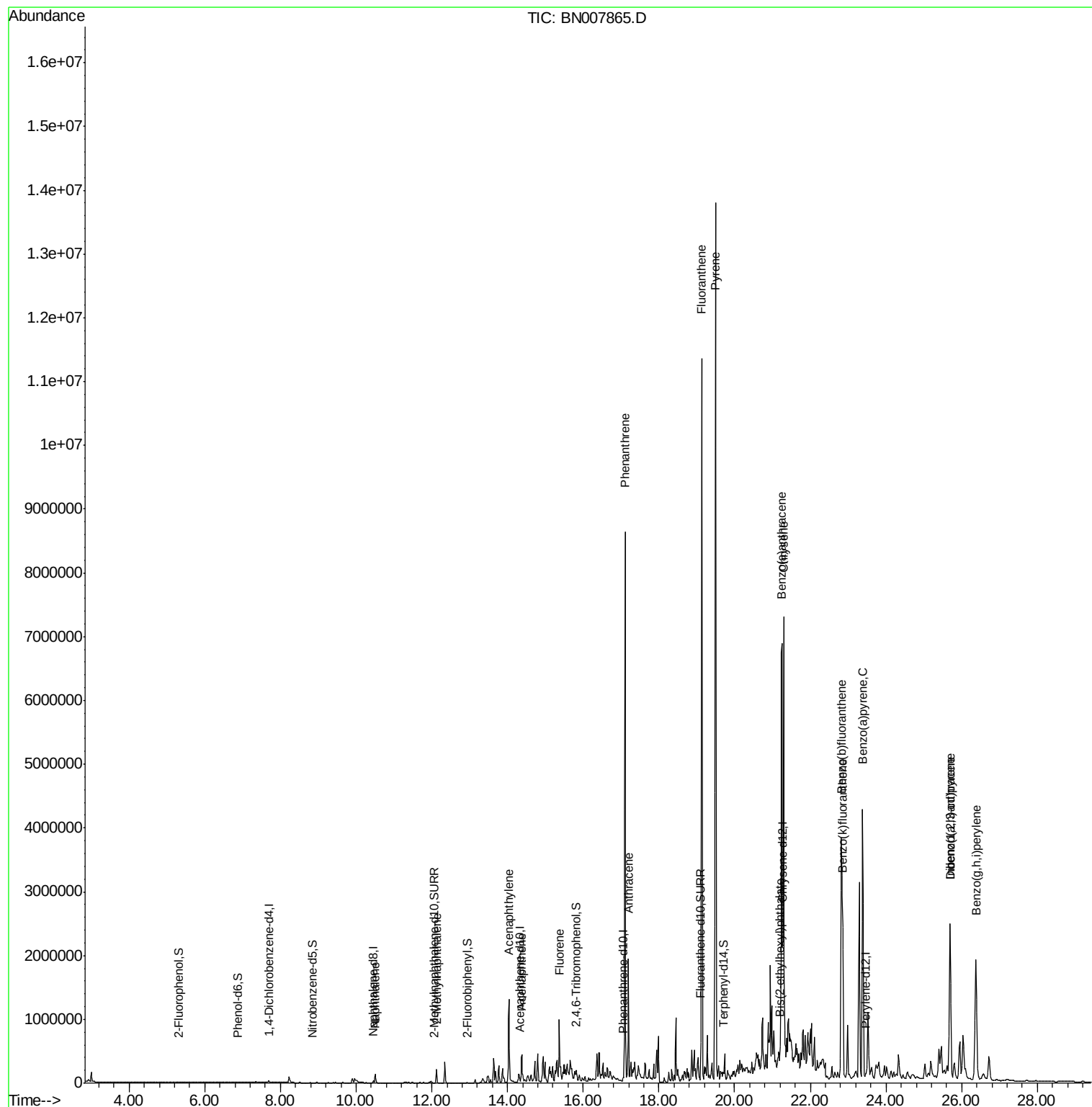
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
Data File : BN007865.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

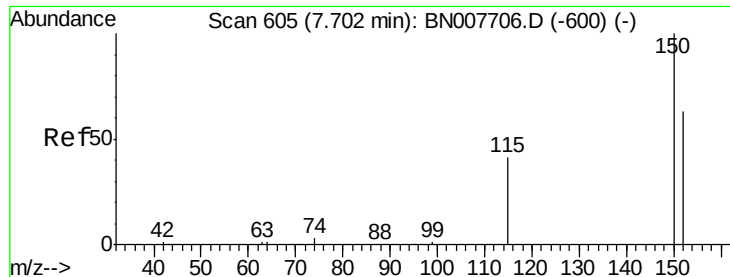
Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Quant Time: Sep 26 11:53:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

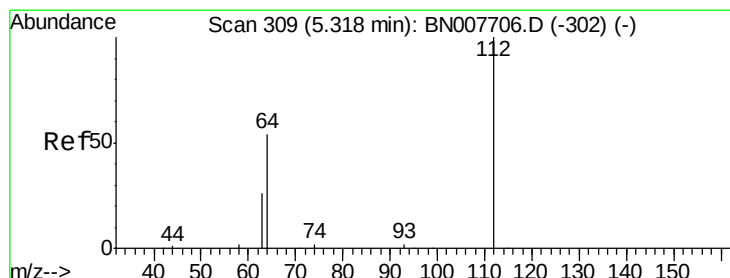
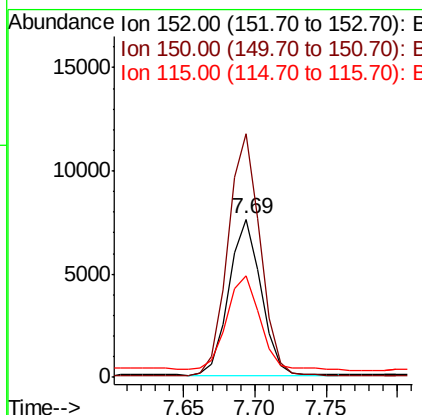
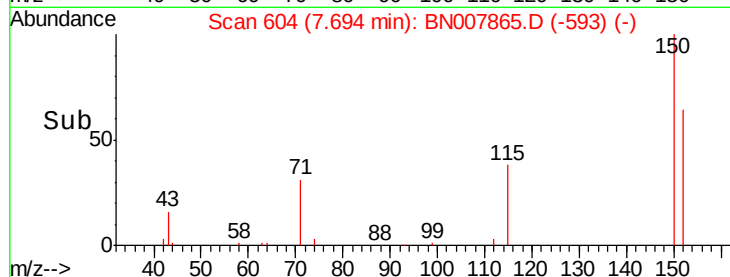
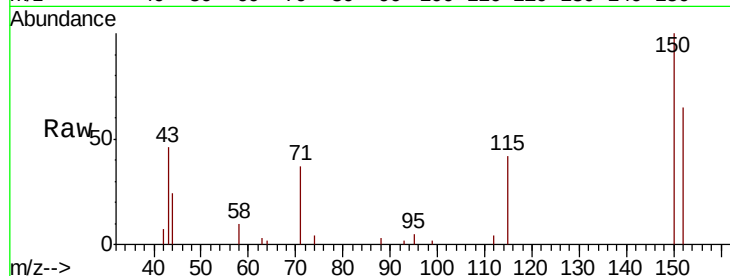
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.6	188.4
115	64.5	53.3	79.9

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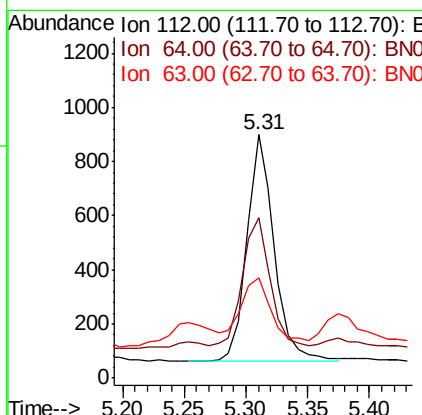
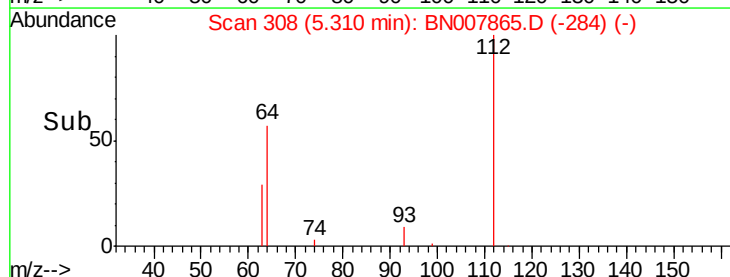
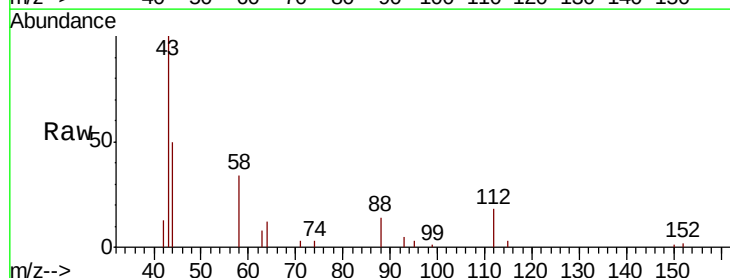
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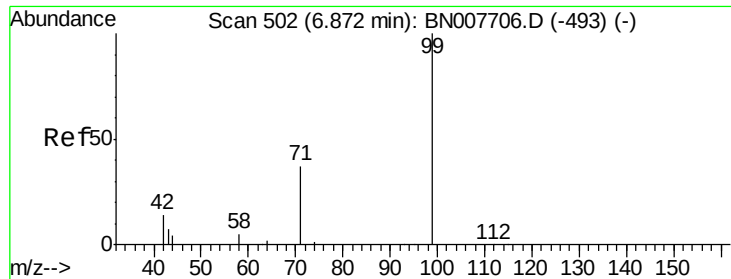


#4

2-Fluorophenol
Concen: 0.032 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.6	70.0
63	32.4	23.1	34.7





#5

Phenol-d6

Concen: 0.031 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Instrument :

BNA_N

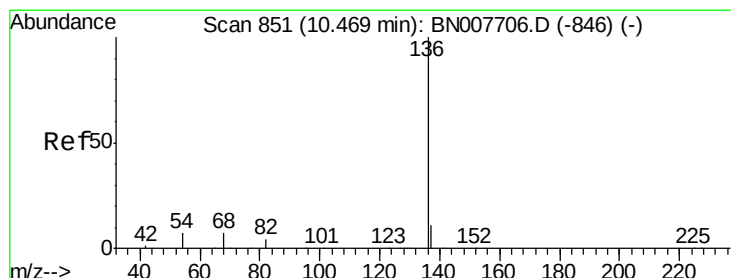
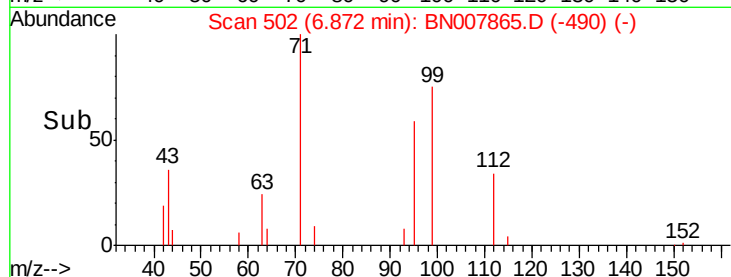
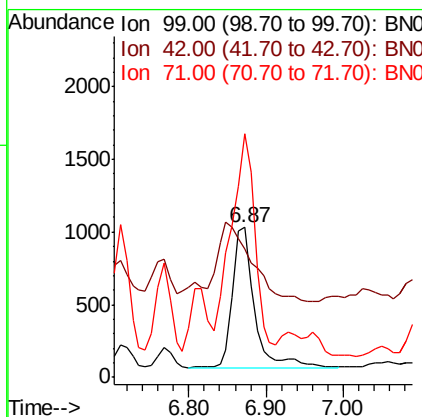
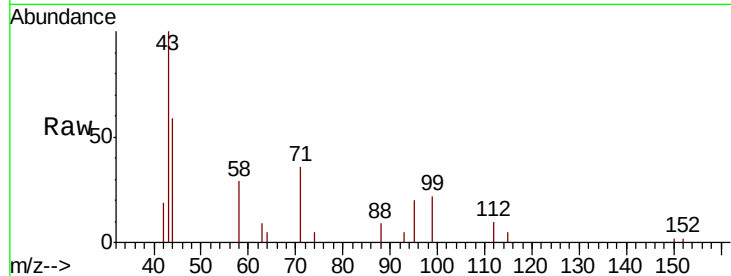
ClientSampleId :

EXT-SW093-091819-1

Tot Ion:	99	Resp:	1861
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.8	19.2#
71	163.1	27.6	41.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

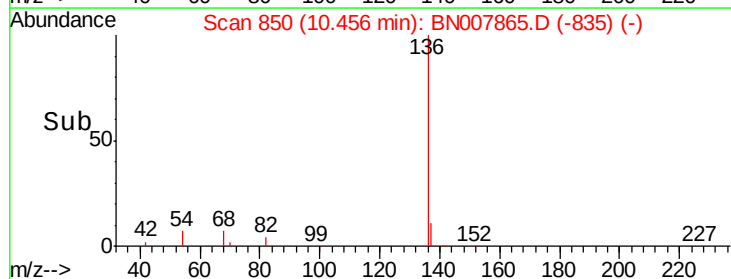
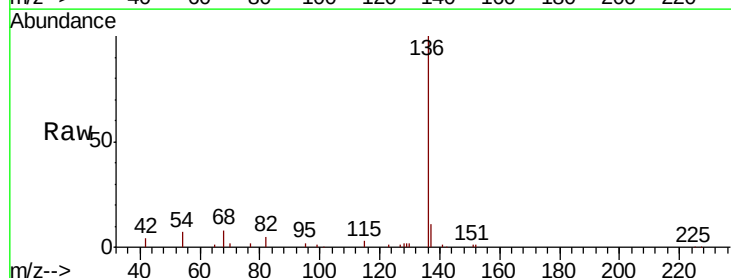
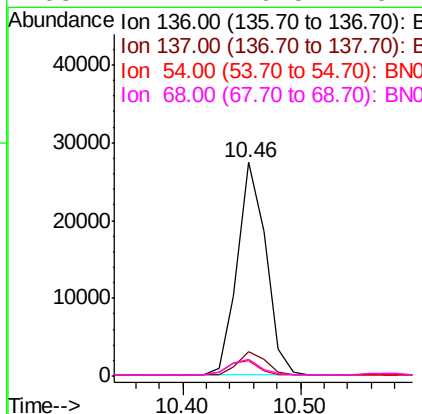
RT: 10.46 min Scan# 850

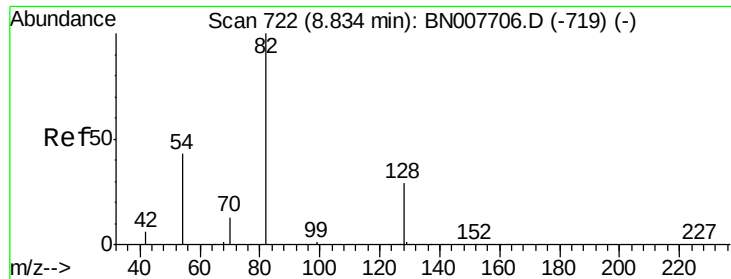
Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Tgt Ion:	136	Resp:	46244
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	7.1	5.8	8.8
68	7.7	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.036 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Instrument :

BNA_N

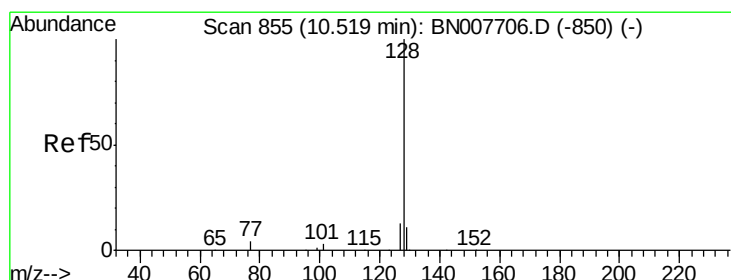
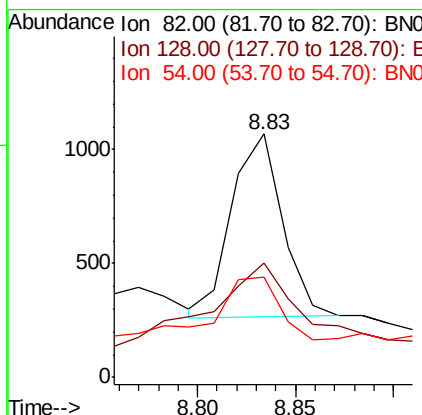
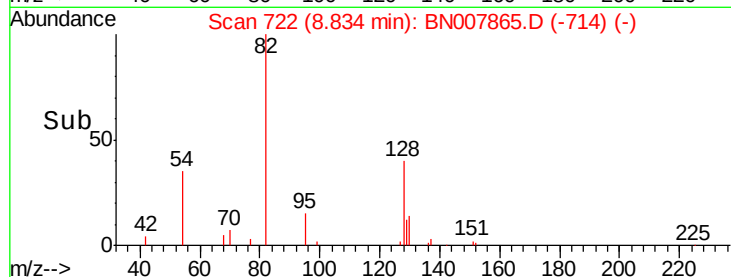
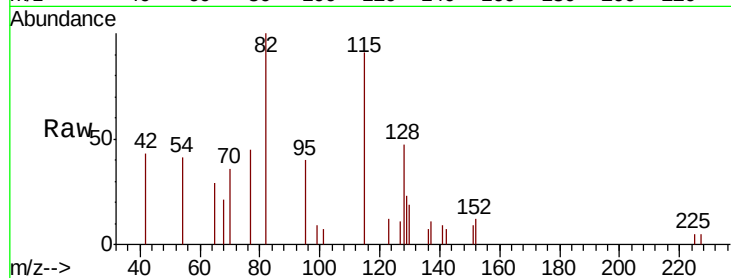
ClientSampleId :

EXT-SW093-091819-1

Tot Ion:	82	Resp:	1462
Ion Ratio	Lower	Upper	
82	100		
128	47.0	24.5	36.7#
54	41.2	35.2	52.8

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#9

Naphthalene

Concen: 1.399 ng

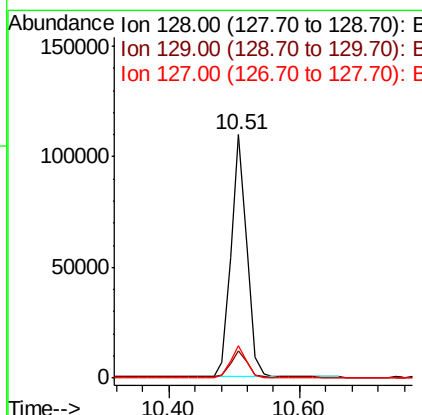
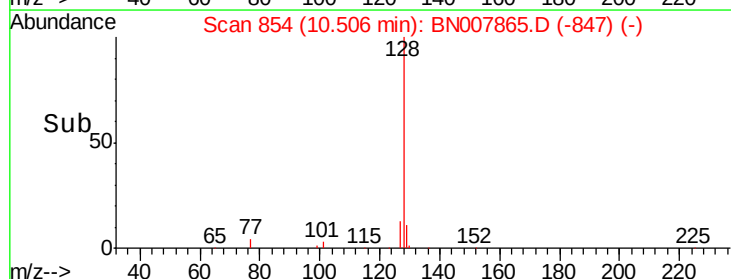
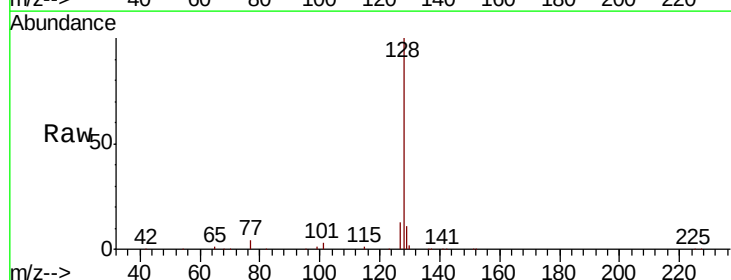
RT: 10.51 min Scan# 854

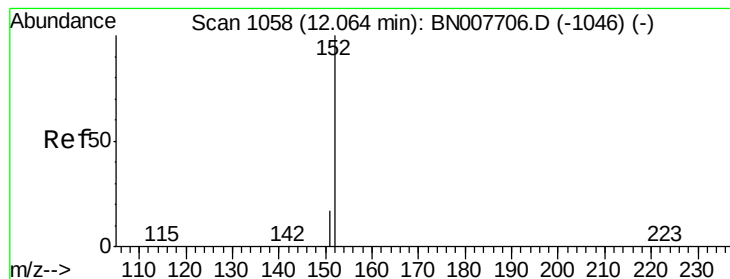
Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Tgt Ion:	128	Resp:	181585
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.1	13.7
127	13.1	10.6	15.8





#11

2-Methylnaphthalene-d10

Concen: 0.036 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Instrument :

BNA_N

ClientSampleId :

EXT-SW093-091819-1

Tot Ion:152 Resp: 2786

Ion Ratio Lower Upper

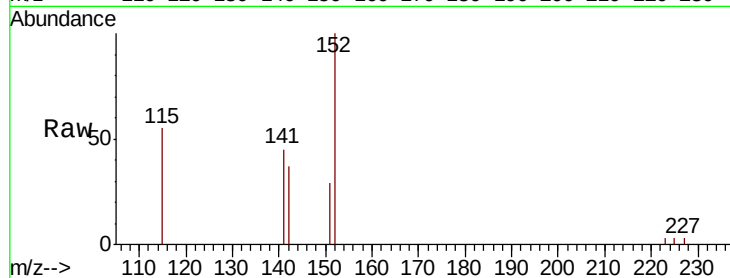
152 100

151 26.2 15.4 23.2#

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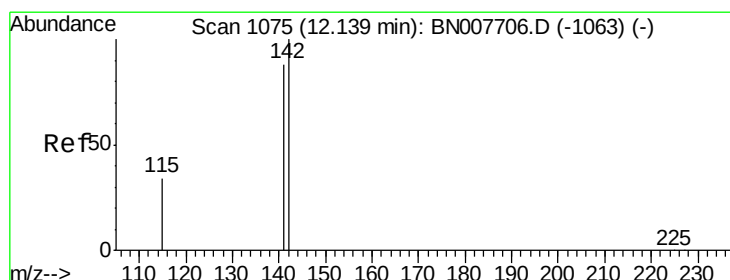
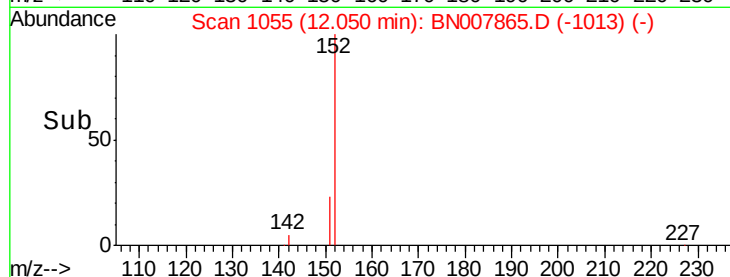
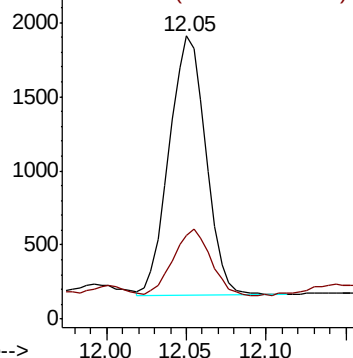
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.754 ng

RT: 12.13 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

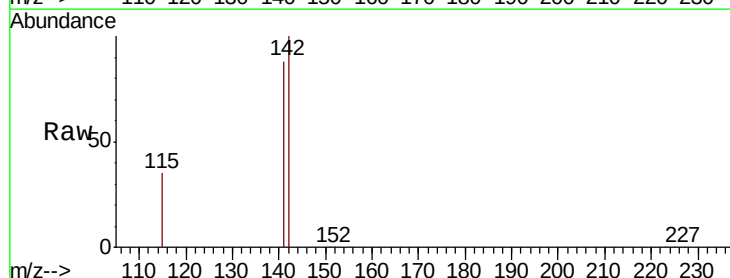
Tgt Ion:142 Resp: 153826

Ion Ratio Lower Upper

142 100

141 88.0 70.6 106.0

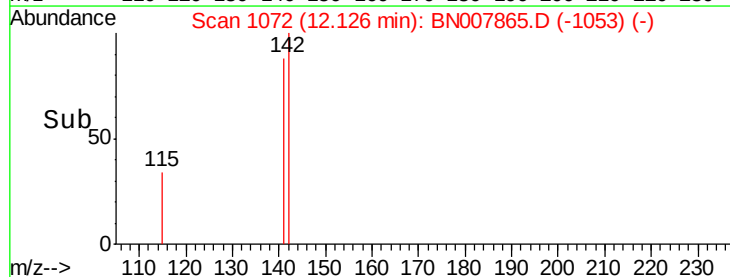
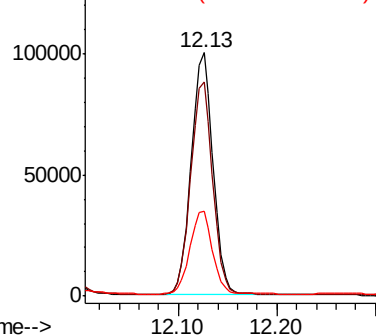
115 34.9 28.3 42.5

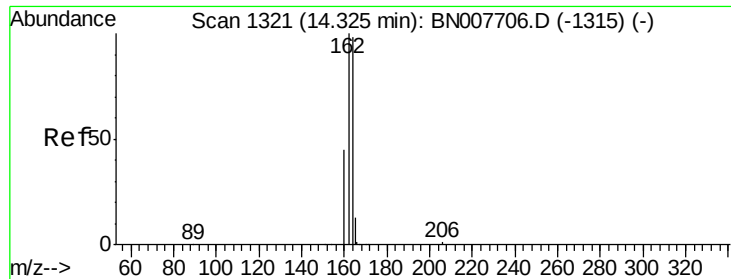


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





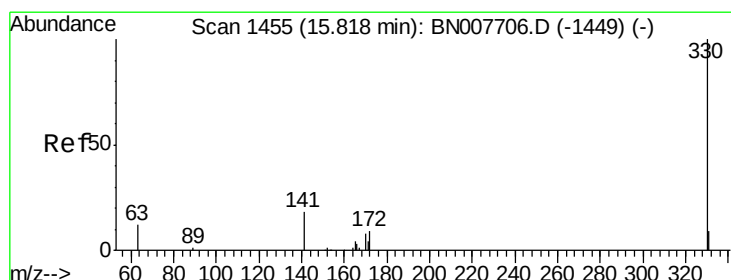
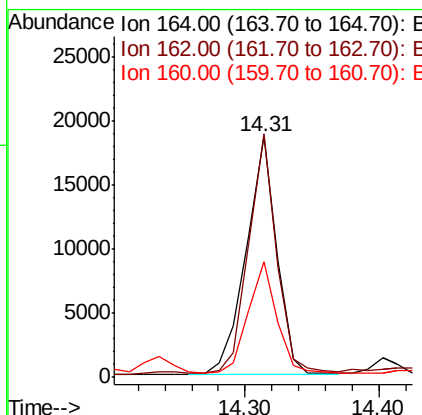
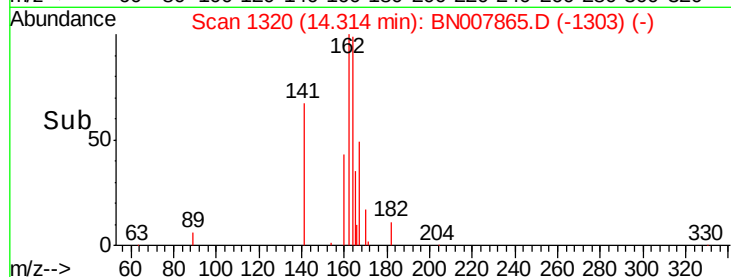
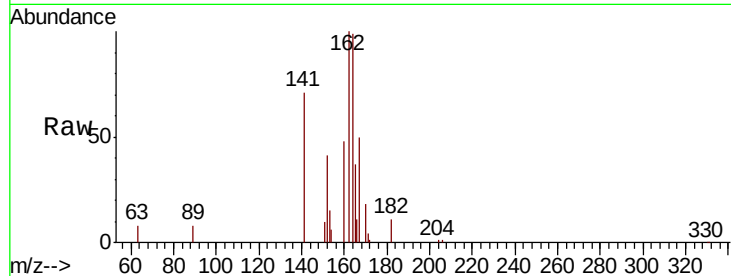
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.7	122.5
160	48.0	37.0	55.4

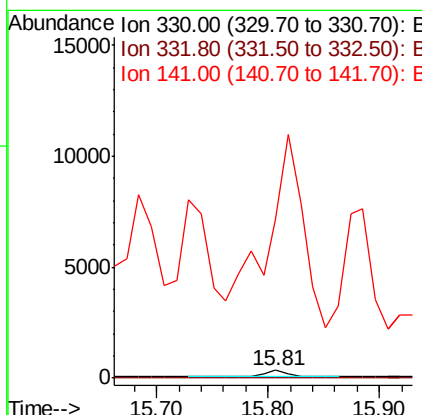
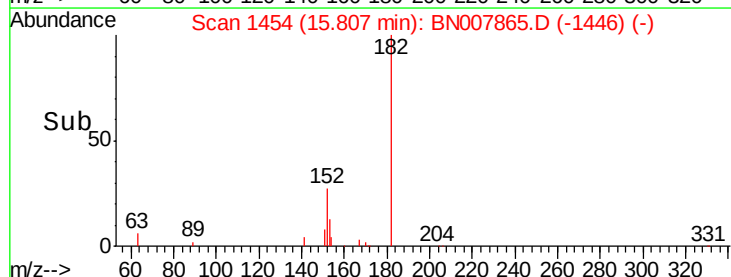
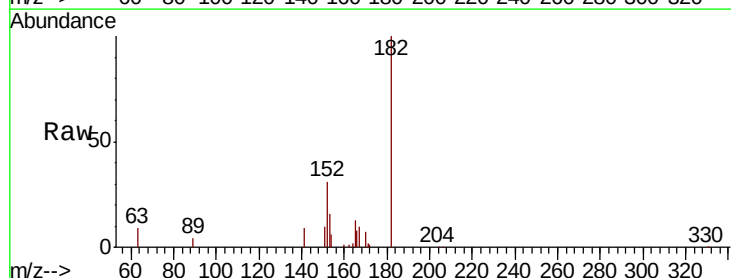
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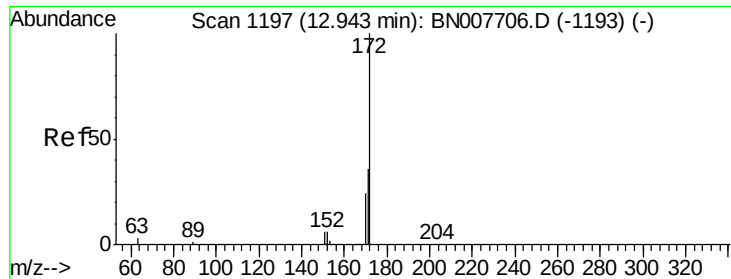
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#14
2,4,6-Tribromophenol
Concen: 0.026 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	4646.9	28.7	43.1#





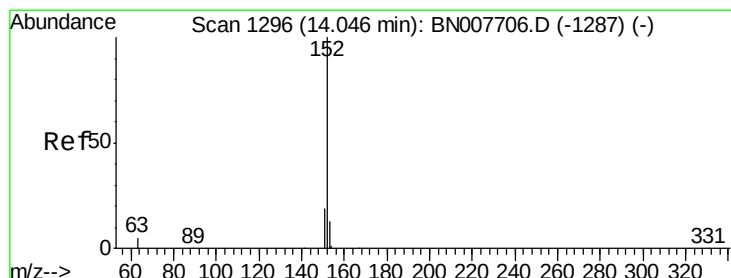
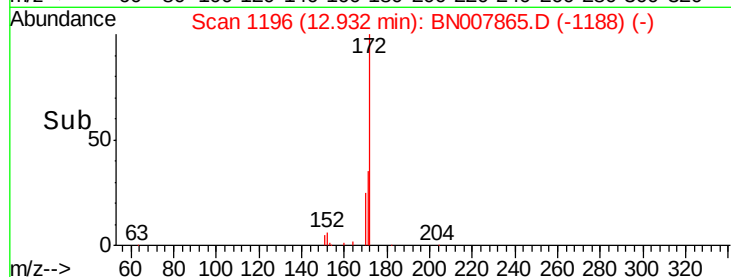
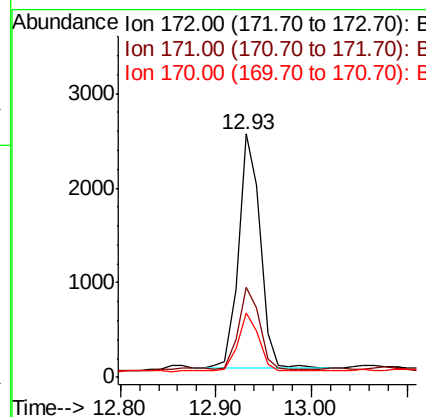
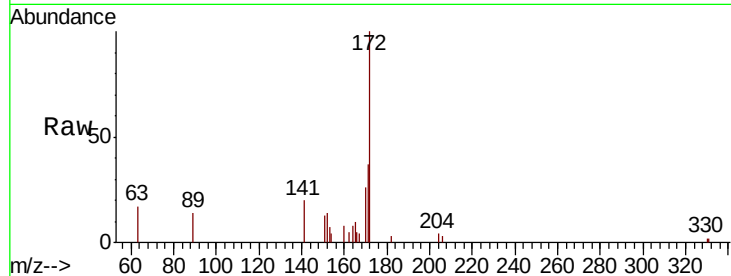
#15
2-Fluorobiphenyl
Concen: 0.032 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.8	43.2
170	26.3	19.5	29.3

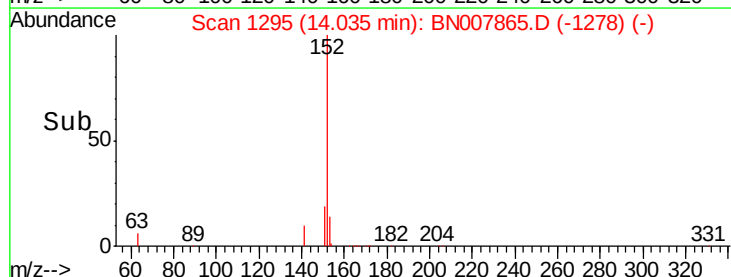
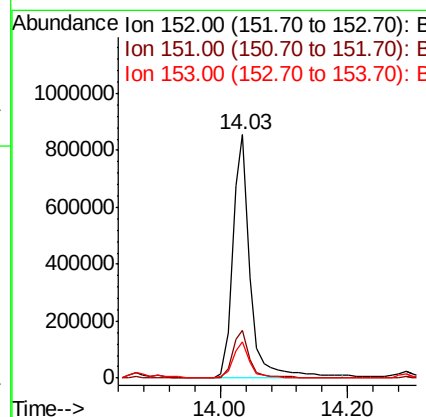
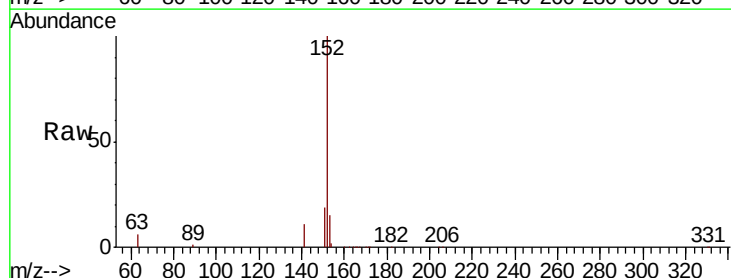
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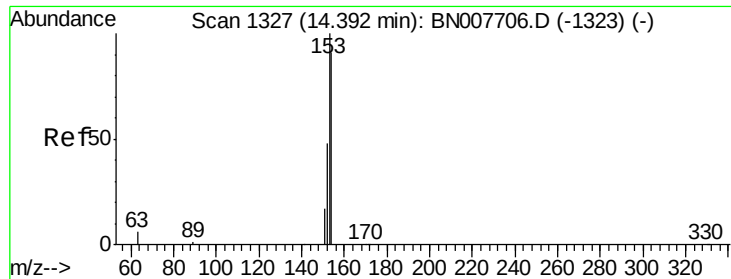
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#16
Acenaphthylene
Concen: 10.029 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	14.3	10.4	15.6





#17

Acenaphthene

Concen: 2.362 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Instrument :

BNA_N

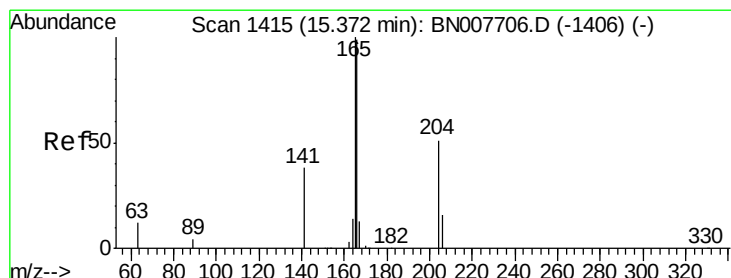
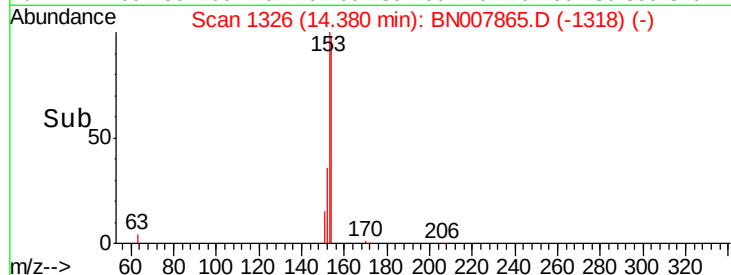
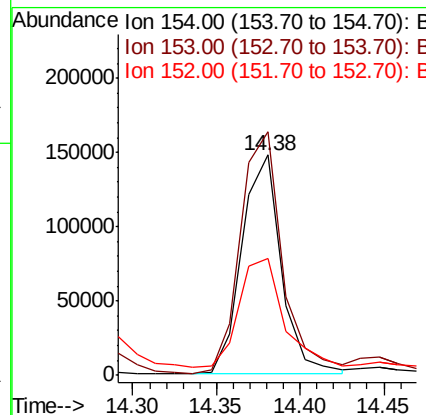
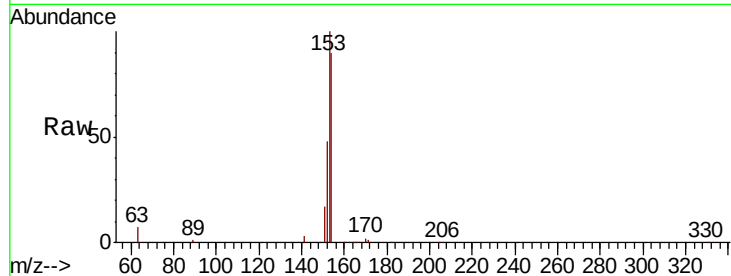
ClientSampleId :

EXT-SW093-091819-1

Tot Ion:	154	Resp:	241563
Ion Ratio	Lower	Upper	
154	100		
153	116.8	87.0	130.4
152	57.0	42.7	64.1

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#18

Fluorene

Concen: 4.486 ng

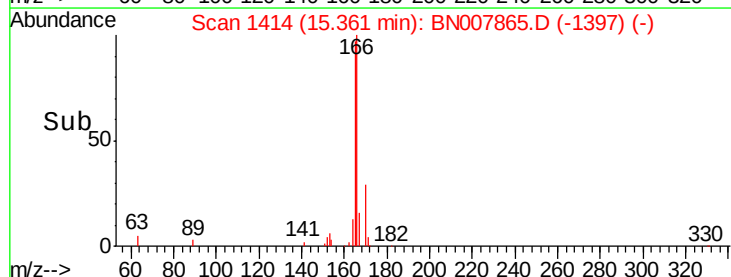
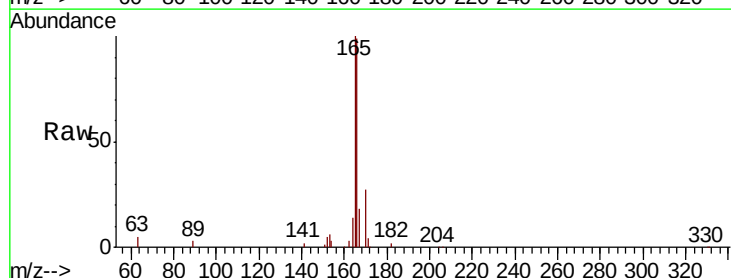
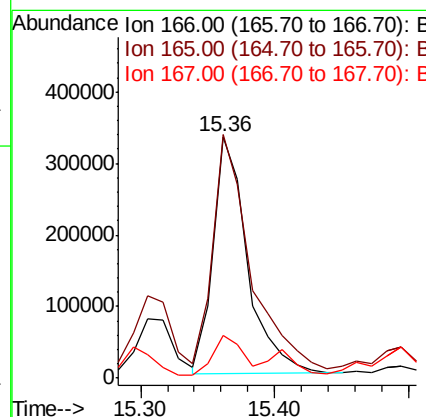
RT: 15.36 min Scan# 1414

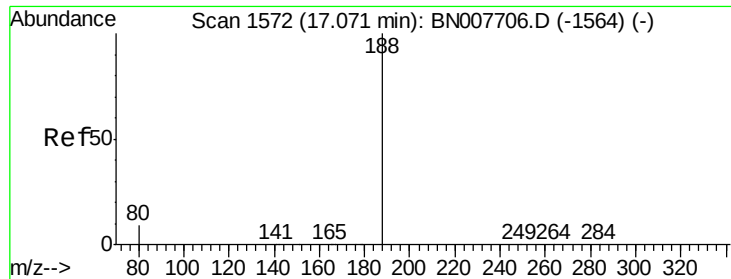
Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Tgt Ion:	166	Resp:	587937
Ion Ratio	Lower	Upper	
166	100		
165	107.5	78.0	117.0
167	16.6	10.9	16.3#





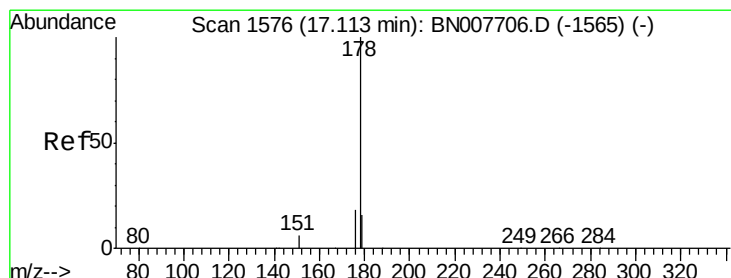
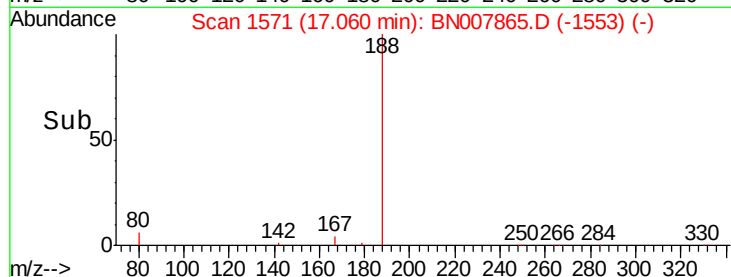
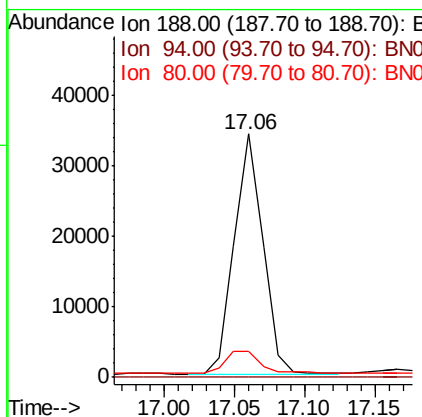
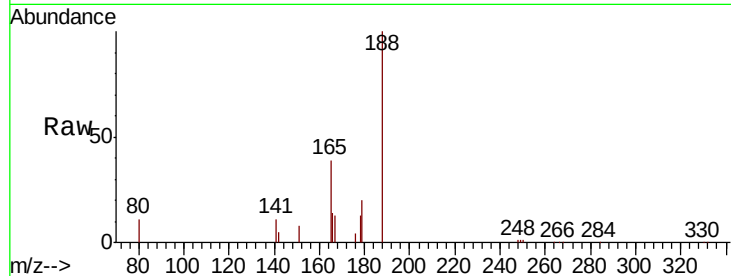
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	48649		
94	0.0	0.0	0.0	0.0
80	10.6	7.4	11.2	

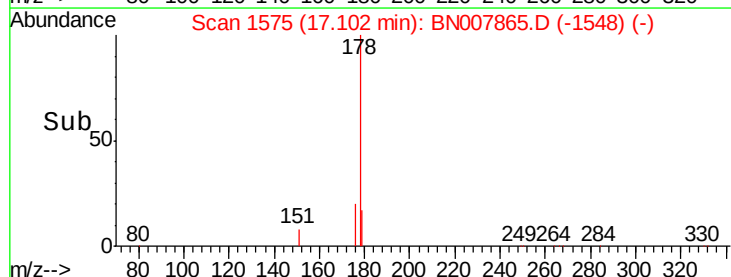
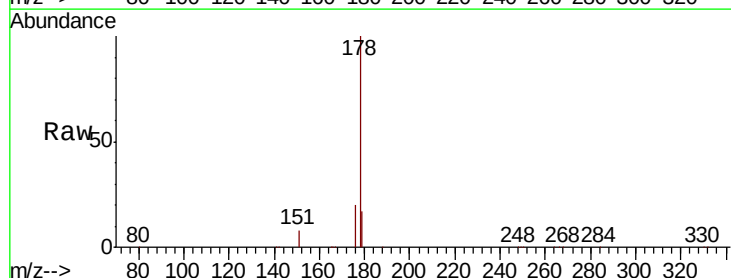
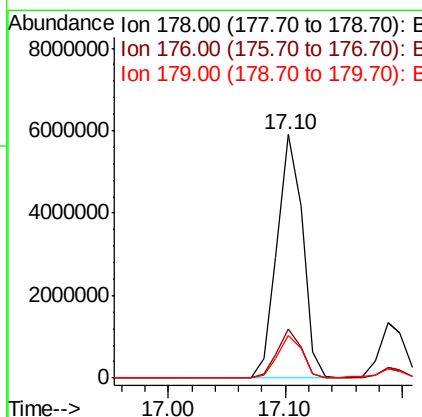
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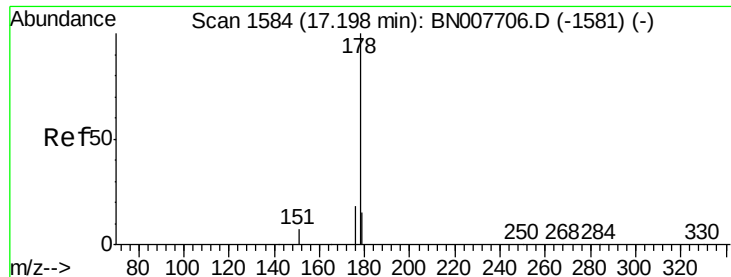
mohammad
9/27/2019 8:28:08 AM



#23
Phenanthrene
Concen: 59.534 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	9022306		
176	19.3	14.9	22.3	
179	17.1	12.5	18.7	





#24

Anthracene

Concen: 14.580 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Instrument :

BNA_N

ClientSampleId :

EXT-SW093-091819-1

Tot Ion:178 Resp: 1995606

Ion Ratio Lower Upper

178 100

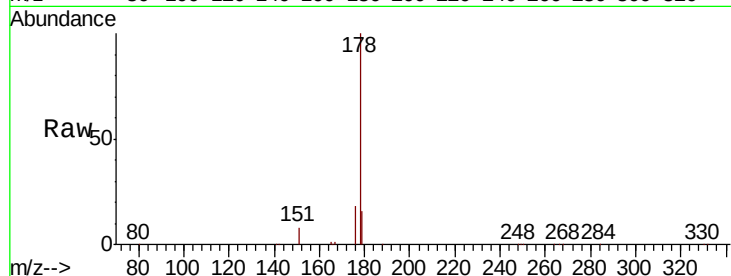
176 18.0 14.6 21.8

179 16.5 12.2 18.4

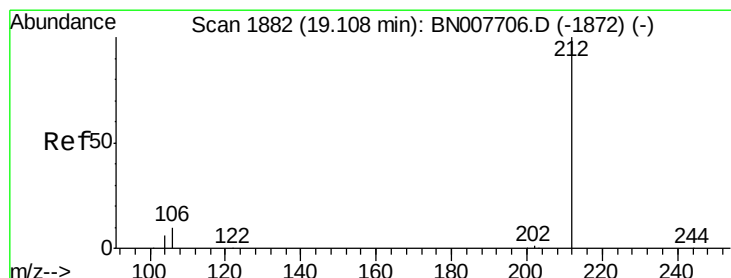
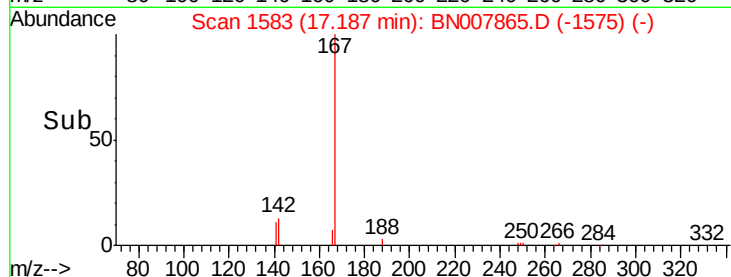
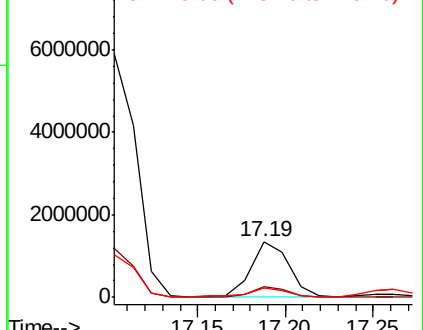
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Abundance Ion 178.00 (177.70 to 178.70): E
8000000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.033 ng m

RT: 19.10 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

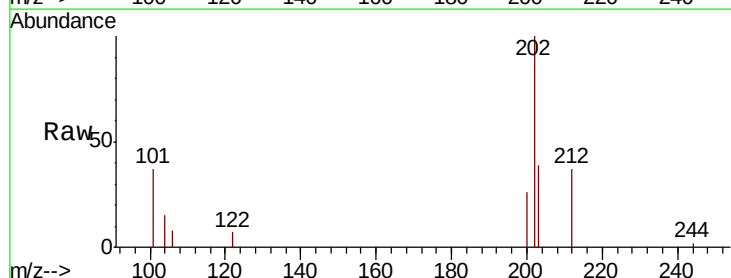
Tgt Ion:212 Resp: 5402

Ion Ratio Lower Upper

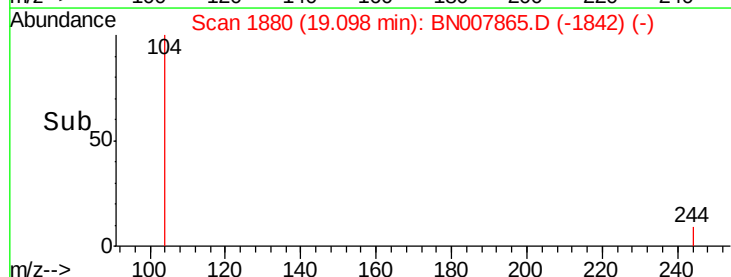
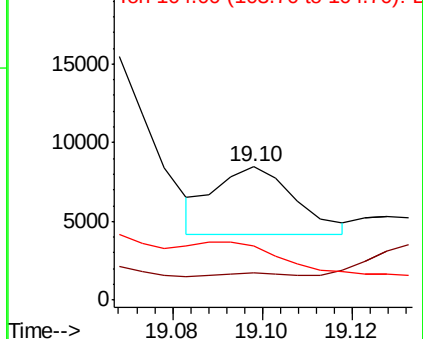
212 100

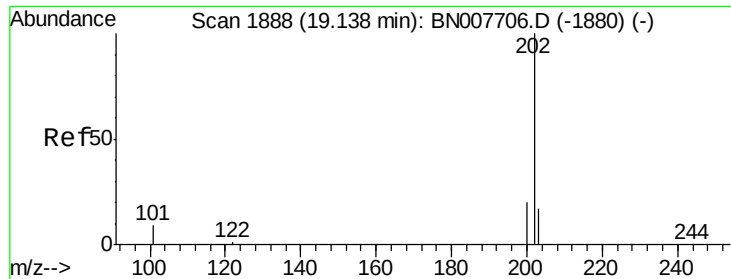
106 11.4 9.4 14.0

104 0.0 5.3 7.9#



Abundance Ion 212.00 (211.70 to 212.70): E
20000
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E





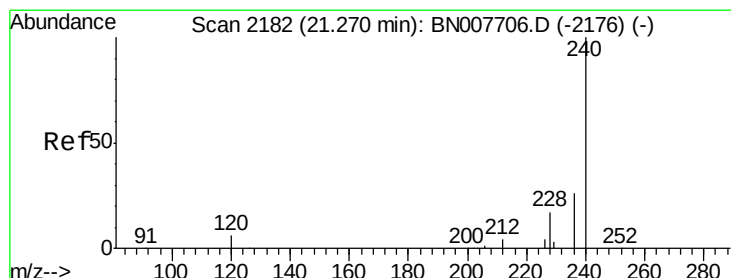
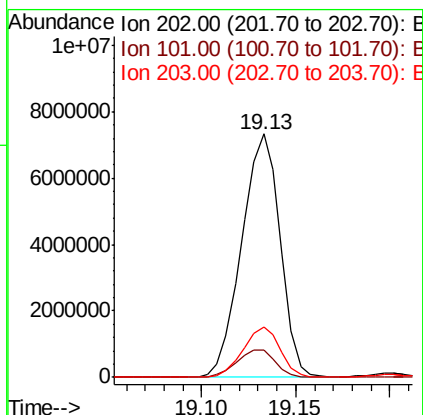
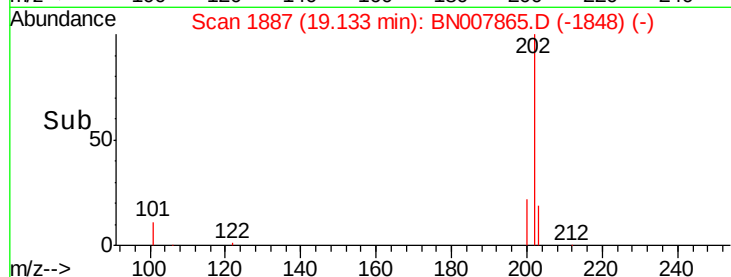
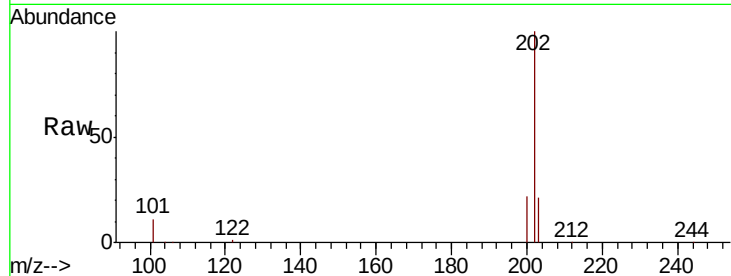
#26
Fluoranthene
Concen: 55.039 ng
RT: 19.13 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion:202 Resp:10371699
Ion Ratio Lower Upper
202 100
101 11.3 8.4 12.6
203 19.8 13.8 20.8

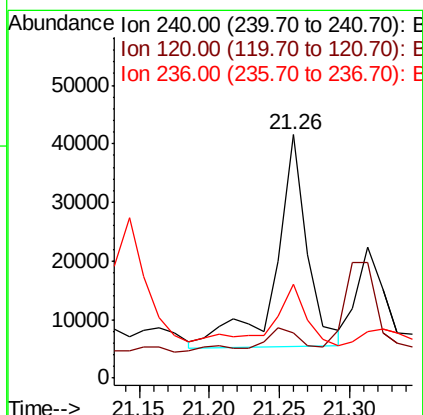
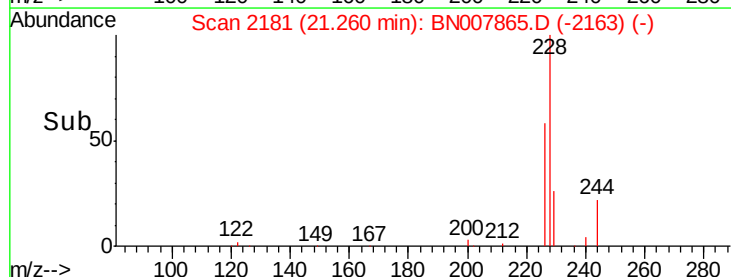
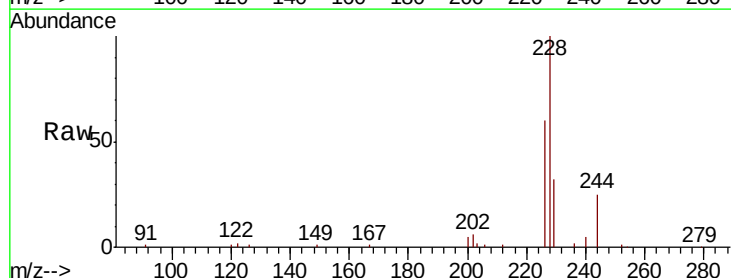
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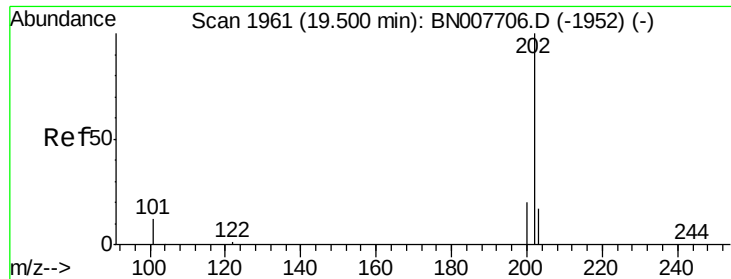
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion:240 Resp: 56602
Ion Ratio Lower Upper
240 100
120 18.3 5.4 8.2#
236 38.4 21.0 31.4#





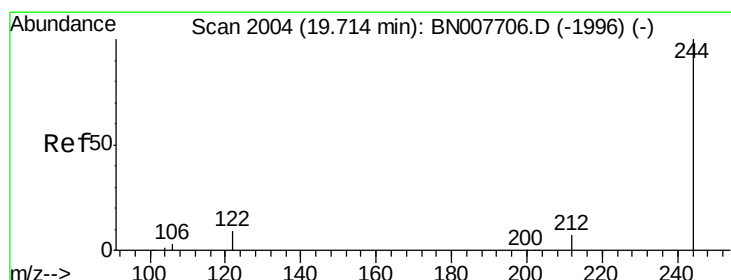
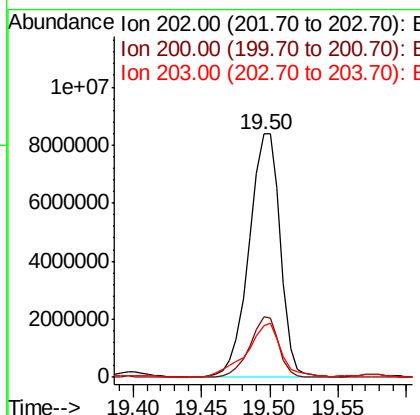
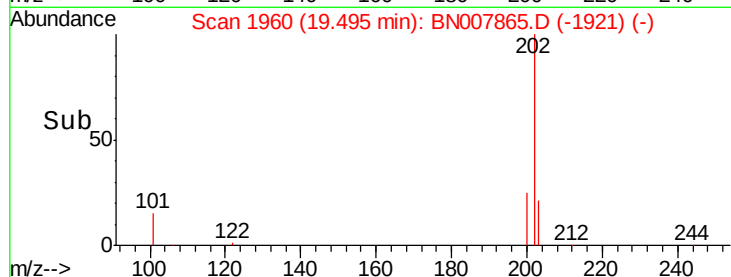
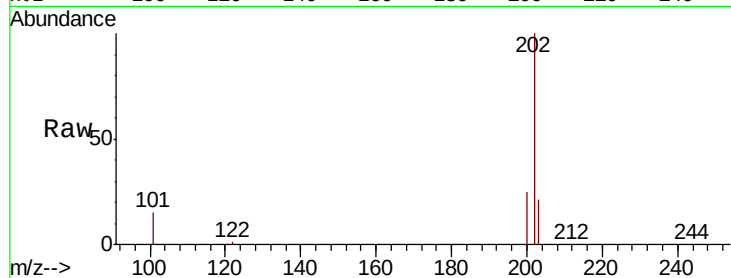
#28
Pvrene
Concen: 69.043 ng
RT: 19.50 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion:202 Resp:13328445
Ion Ratio Lower Upper
202 100
200 22.8 16.4 24.6
203 24.1 14.1 21.1#

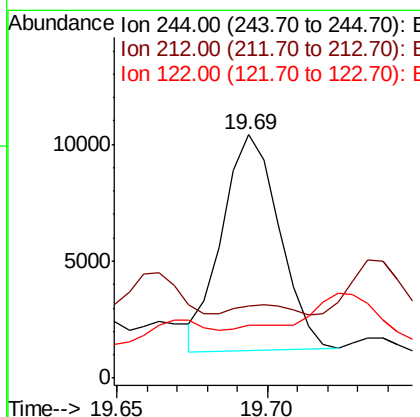
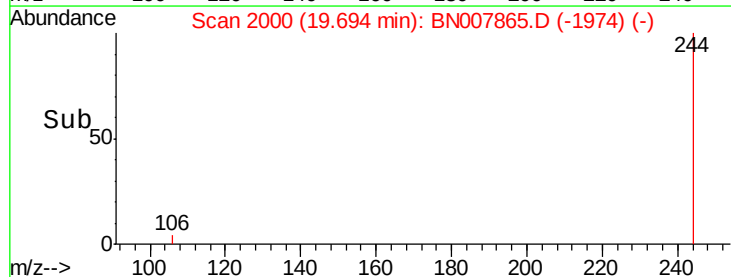
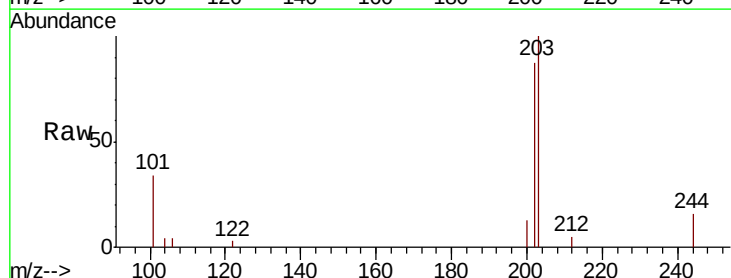
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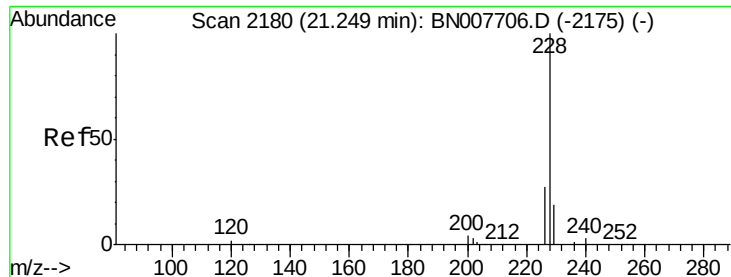
mohammad
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#29
Terphenyl-d14
Concen: 0.087 ng
RT: 19.69 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion:244 Resp: 12141
Ion Ratio Lower Upper
244 100
212 29.8 5.9 8.9#
122 21.8 7.4 11.2#





#30

Benzo(a)anthracene

Concen: 30.007 ng m

RT: 21.25 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

Instrument :

BNA_N

ClientSampleId :

EXT-SW093-091819-1

Tot Ion:228 Resp: 6254510

Ion Ratio Lower Upper

228 100

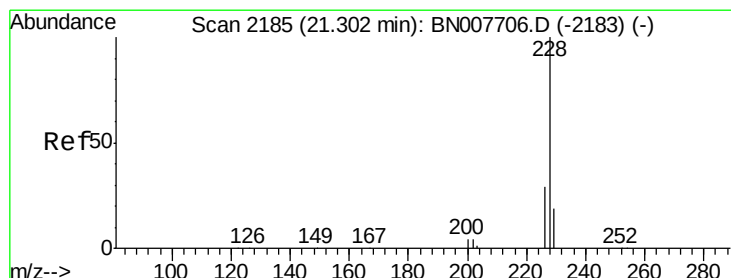
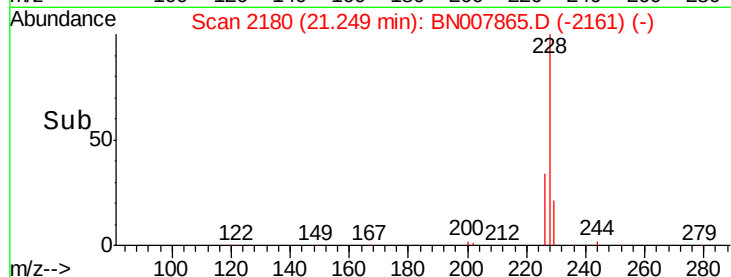
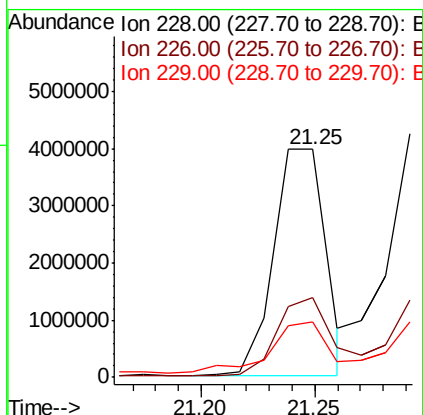
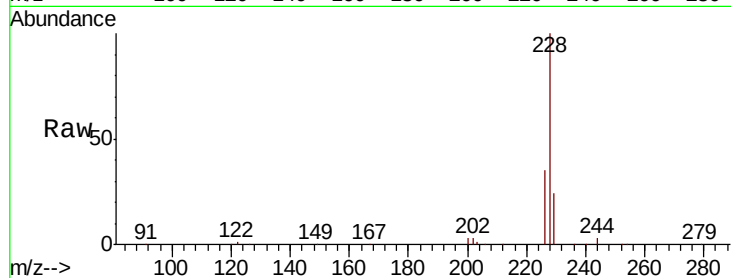
226 34.8 22.1 33.1#

229 24.2 15.8 23.6#

Manual Integrations
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#31

Chrysene

Concen: 37.040 ng m

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007865.D

Acq: 25 Sep 2019 21:52

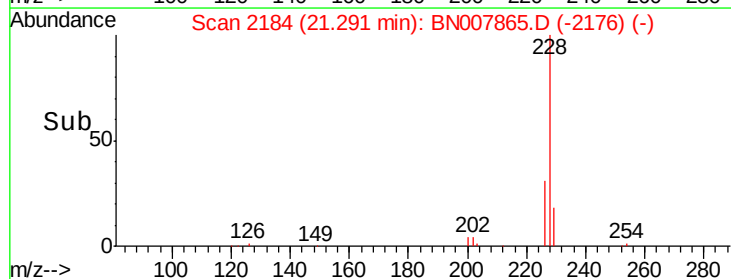
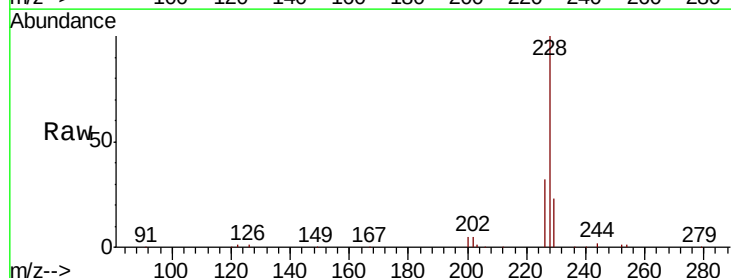
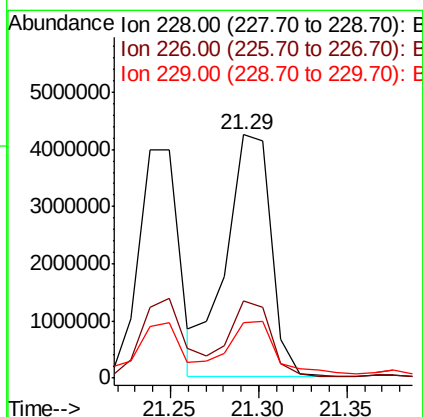
Tgt Ion:228 Resp: 7524434

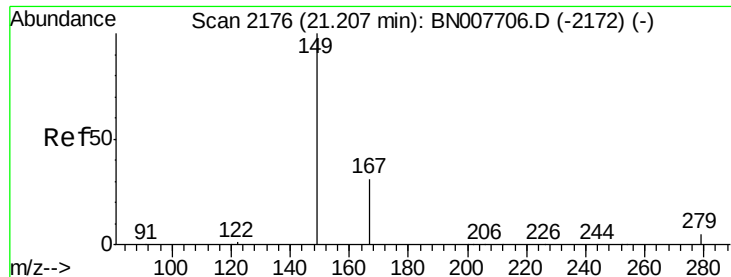
Ion Ratio Lower Upper

228 100

226 31.5 23.9 35.9

229 23.0 15.8 23.6





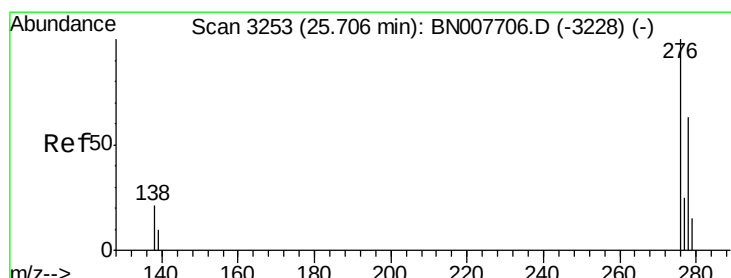
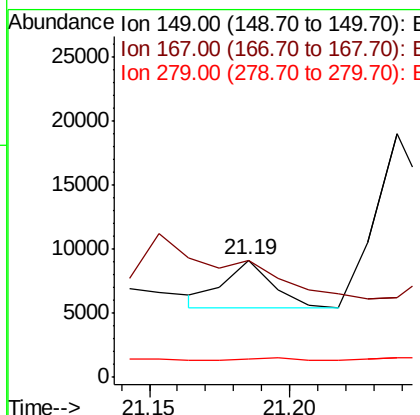
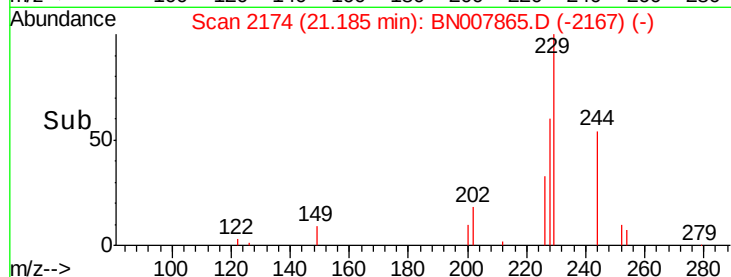
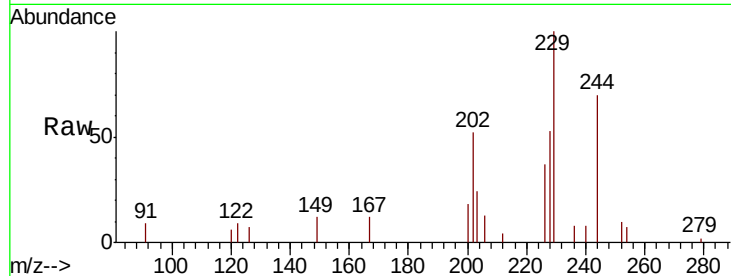
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.040 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007865.D
 Acq: 25 Sep 2019 21:52

Instrument :
 BNA_N
 ClientSampleID :
 EXT-SW093-091819-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	23.7	35.5#
279	7.5	4.2	6.2#

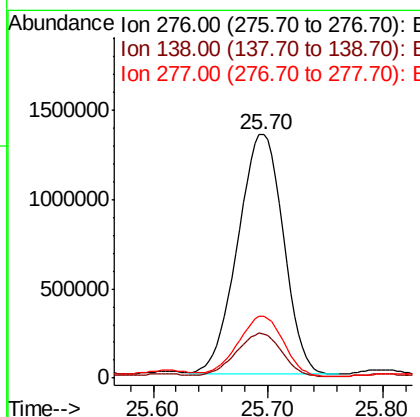
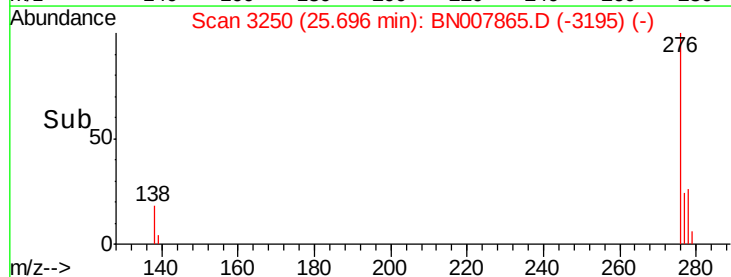
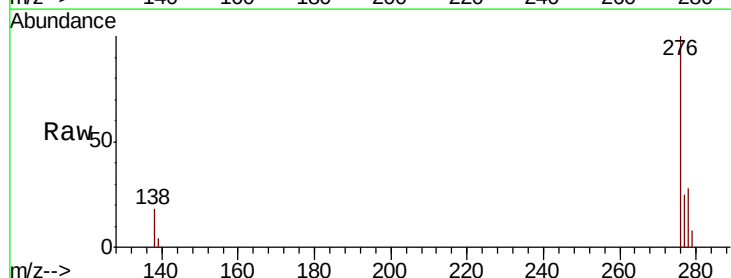
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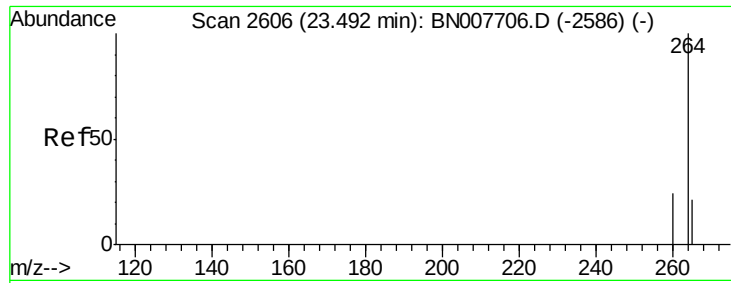
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 14.617 ng
 RT: 25.70 min Scan# 3250
 Delta R.T. -0.01 min
 Lab File: BN007865.D
 Acq: 25 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.2	17.1	25.7
277	25.1	20.0	30.0





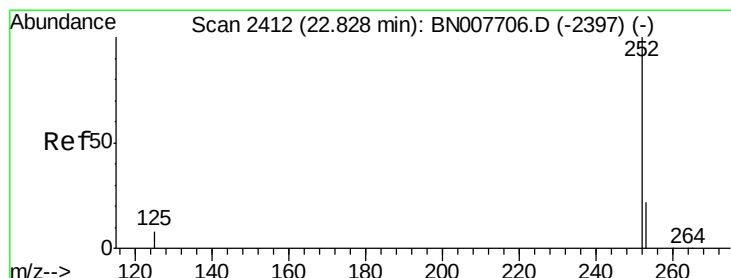
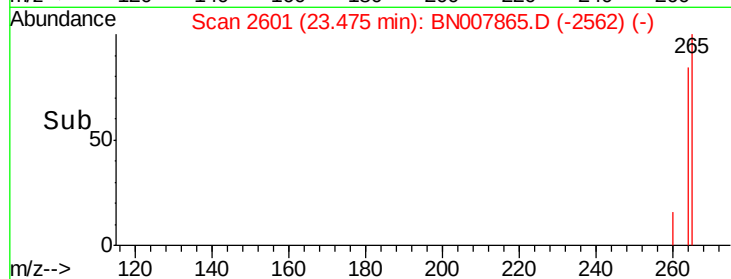
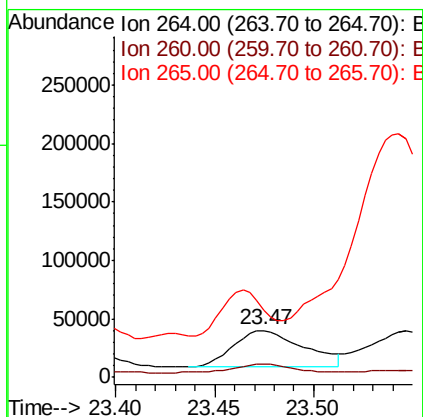
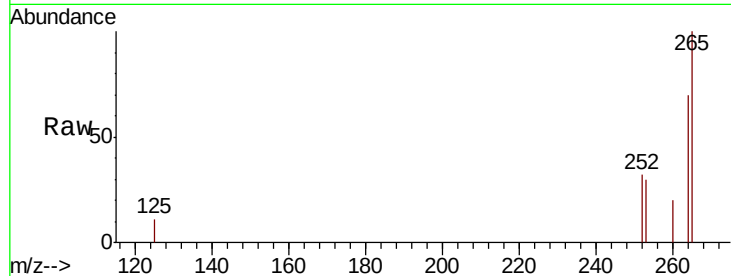
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BN007865.D
 Acq: 25 Sep 2019 21:52

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW093-091819-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.2	19.3	28.9
265	143.8	26.9	40.3#

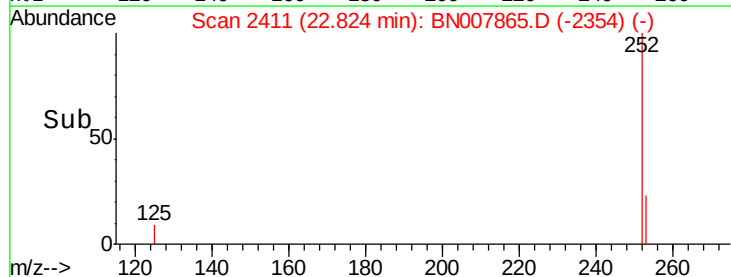
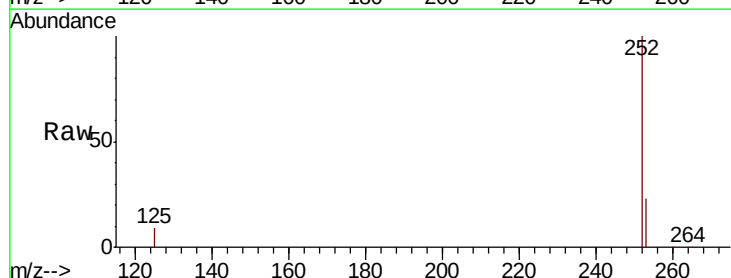
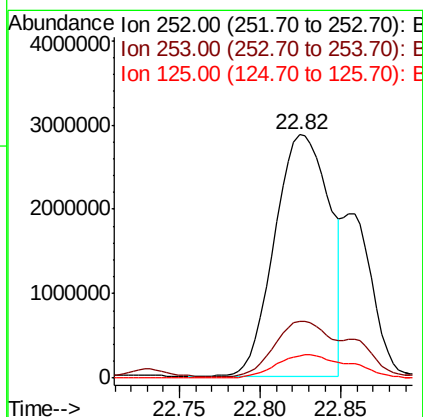
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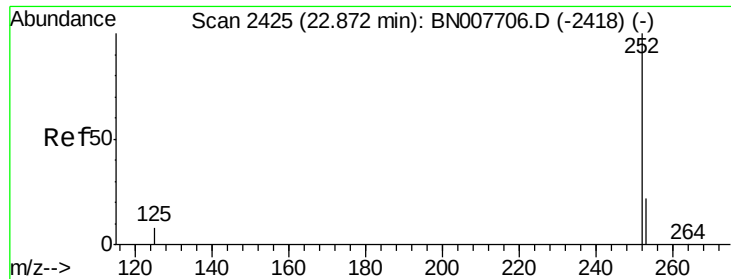
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#35
 Benzo(b)fluoranthene
 Concen: 25.694 ng
 RT: 22.82 min Scan# 2411
 Delta R.T. -0.00 min
 Lab File: BN007865.D
 Acq: 25 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	9.2	8.2	12.4





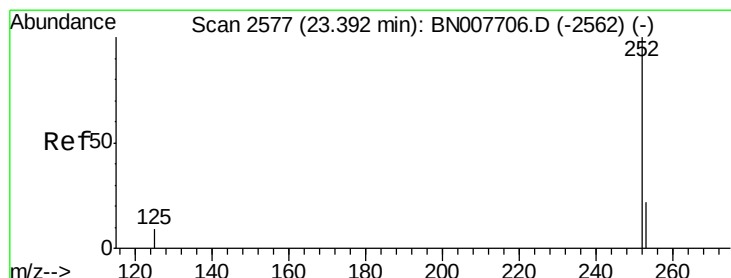
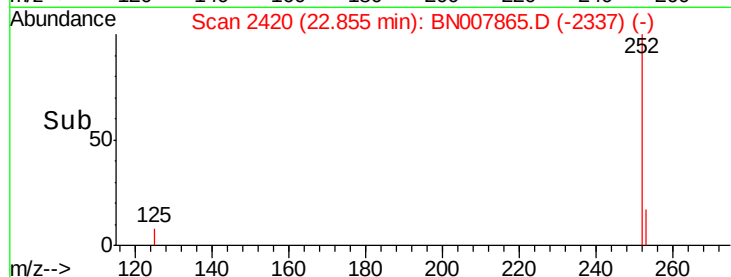
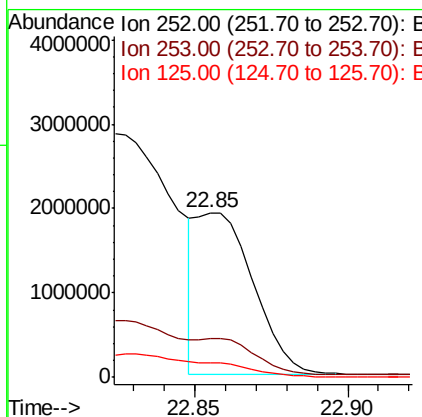
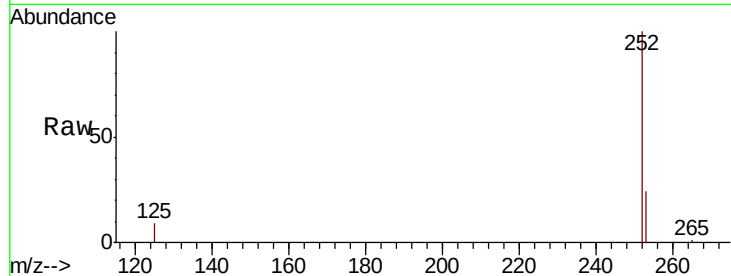
#36
Benzo(k)fluoranthene
Concen: 9.483 ng m
RT: 22.85 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion:252 Resp: 2466007
Ion Ratio Lower Upper
252 100
253 23.6 18.5 27.7
125 8.9 8.4 12.6

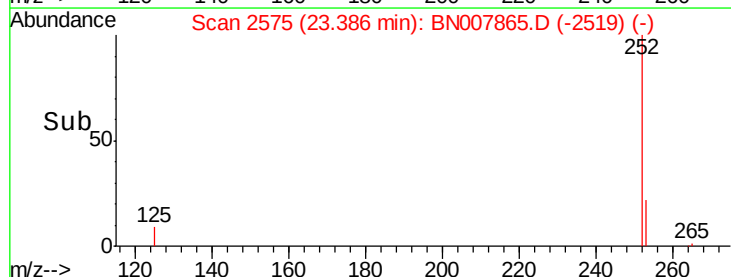
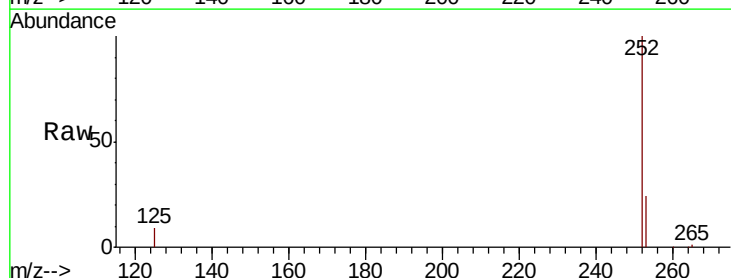
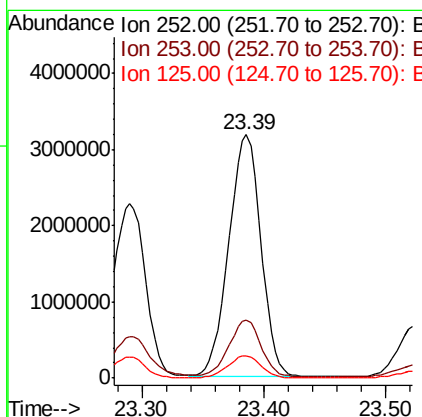
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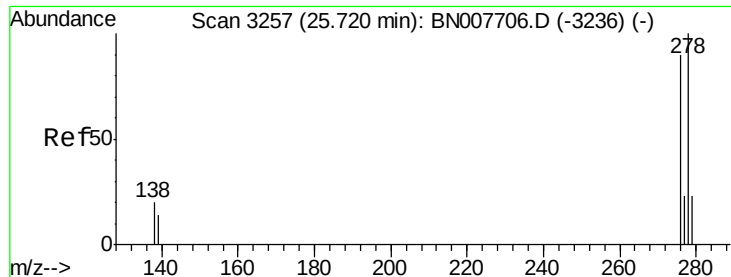
mohammad
9/27/2019 8:28:08 AM



#37
Benzo(a)pyrene
Concen: 23.671 ng m
RT: 23.39 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion:252 Resp: 5850090
Ion Ratio Lower Upper
252 100
253 23.7 18.6 27.8
125 9.3 9.4 14.0#





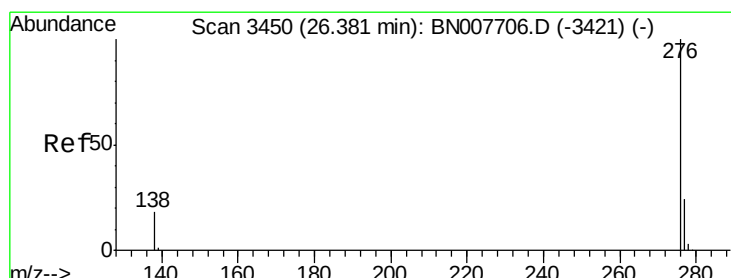
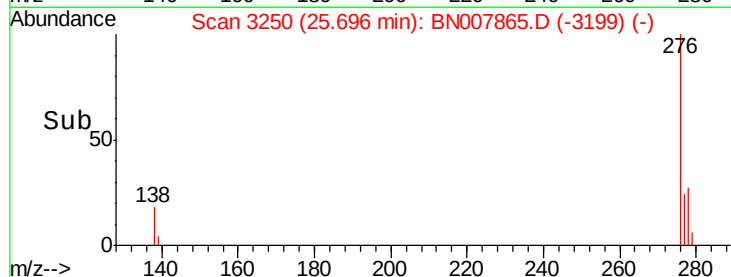
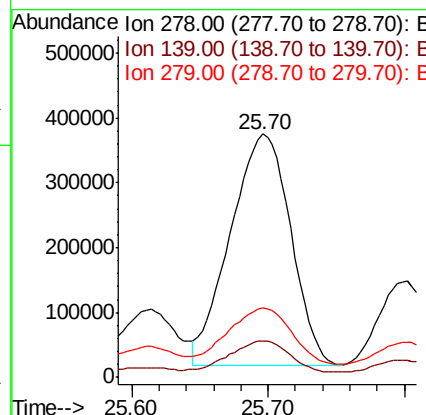
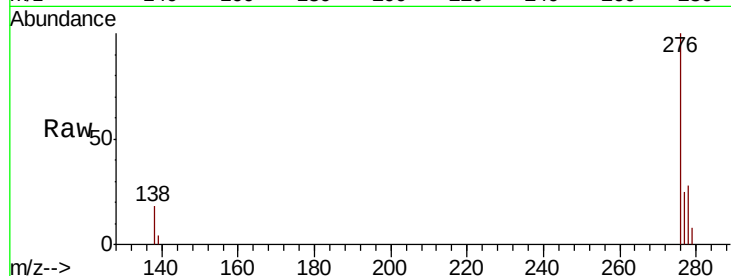
#38
Dibenzo(a,h)anthracene
Concen: 4.346 ng
RT: 25.70 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Instrument :
BNA_N
ClientSampleId :
EXT-SW093-091819-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.8	17.6
279	28.4	19.4	29.2

Manual Integrations
APPROVED

mohammad
9/27/2019 8:28:08 AM



#39
Benzo(g,h,i)perylene
Concen: 16.292 ng
RT: 26.38 min Scan# 3449
Delta R.T. -0.00 min
Lab File: BN007865.D
Acq: 25 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	18.2	15.1	22.7

