

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
 Data File : BN007863.D
 Acq On : 25 Sep 2019 20:40
 Operator : JU
 Sample : K4994-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2

Manual Integrations
 APPROVED

mohammad
 9/27/2019 8:28:03 AM

Quant Time: Sep 26 09:07:46 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	11516	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	45338	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	25907	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	47186	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	47088	0.40	ng	-0.01
34) Perylene-d12	23.47	264	59278	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	1650	0.04	ng	0.00
5) Phenol-d6	6.86	99	2239	0.04	ng	0.00
8) Nitrobenzene-d5	8.83	82	1833	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	3487	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	484	0.03	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	5010	0.05	ng	-0.01
25) Fluoranthene-d10	19.09	212	6298m	0.04	ng	-0.01
29) Terphenyl-d14	19.69	244	8635	0.07	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.51	128	111597	0.877	ng	100
12) 2-Methylnaphthalene	12.12	142	59879	0.696	ng	99
16) Acenaphthylene	14.03	152	426509	3.104	ng	99
17) Acenaphthene	14.38	154	32646	0.369	ng	# 87
18) Fluorene	15.36	166	76182	0.671	ng	# 82
23) Phenanthrene	17.10	178	1527513	10.392	ng	100
24) Anthracene	17.19	178	401486	3.024	ng	99
26) Fluoranthene	19.12	202	2676950	14.646	ng	98
28) Pyrene	19.49	202	3986933	24.826	ng	# 95
30) Benzo(a)anthracene	21.24	228	2060024	11.880	ng	94
31) Chrysene	21.29	228	2494709	14.762	ng	97
32) Bis(2-ethylhexyl)phthalate	21.19	149	5132m	0.058	ng	
33) Indeno(1,2,3-cd)pyrene	25.68	276	1286357	6.080	ng	97
35) Benzo(b)fluoranthene	22.81	252	2485216	12.076	ng	99
36) Benzo(k)fluoranthene	22.85	252	625393m	3.073	ng	
37) Benzo(a)pyrene	23.38	252	2008428	10.385	ng	98
38) Dibenzo(a,h)anthracene	25.69	278	389568	1.969	ng	94
39) Benzo(a,h,i)perylene	26.36	276	1500532	7.663	ng	99

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

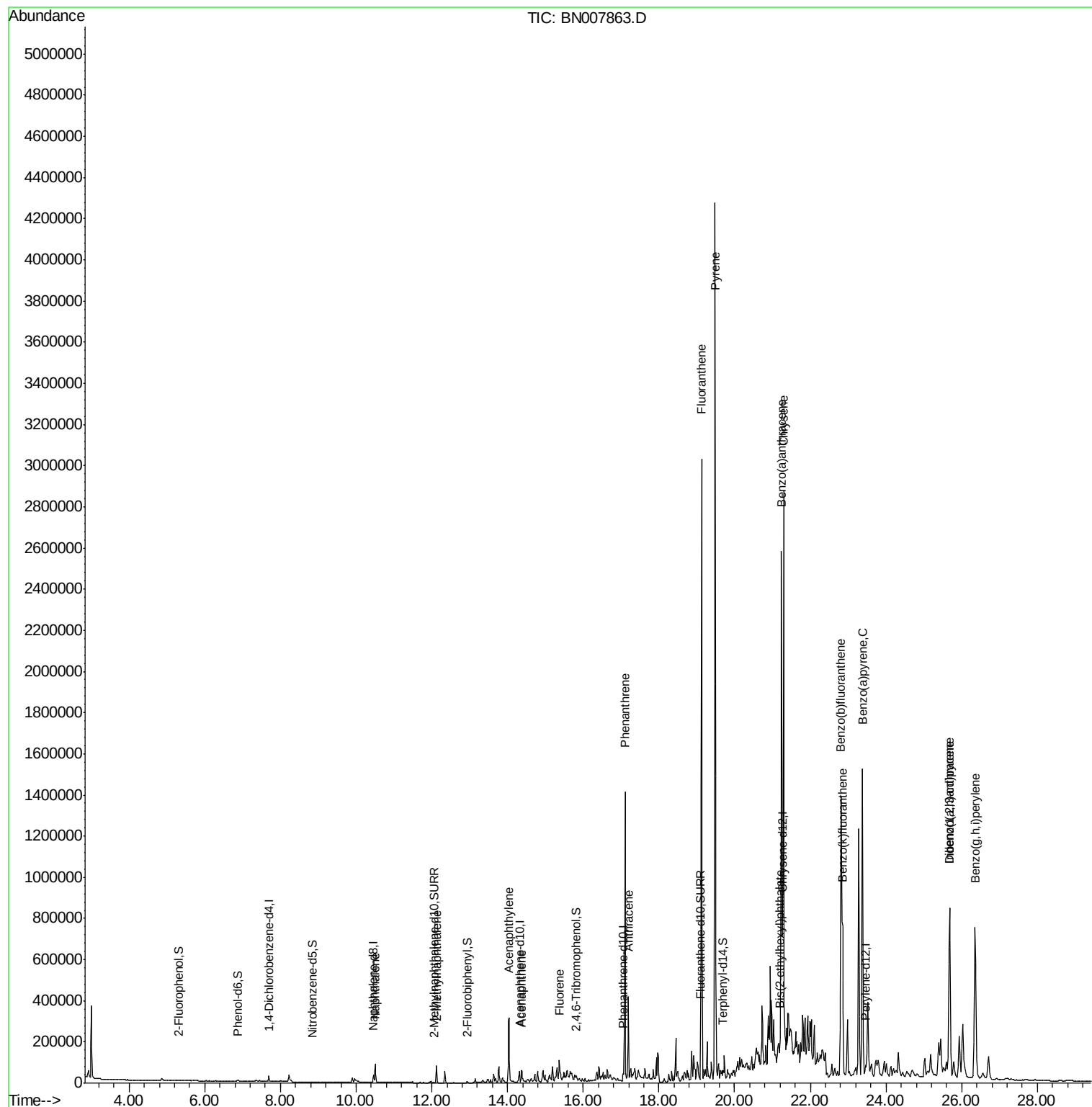
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

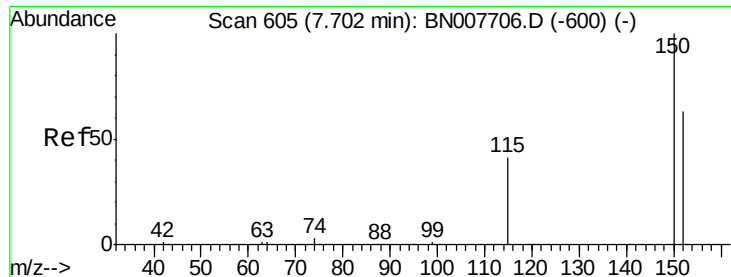
Instrument :
BNA_N
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EXT-SW091-091819-2

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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

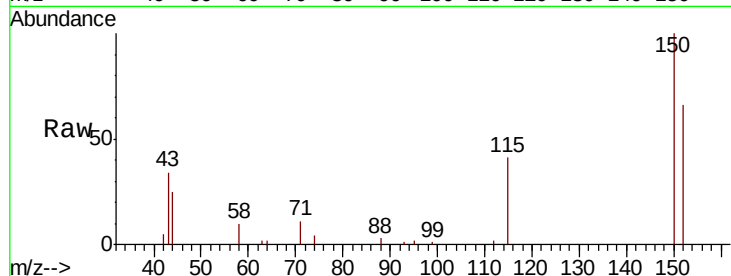
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	125.6	188.4
115	62.4	53.3	79.9

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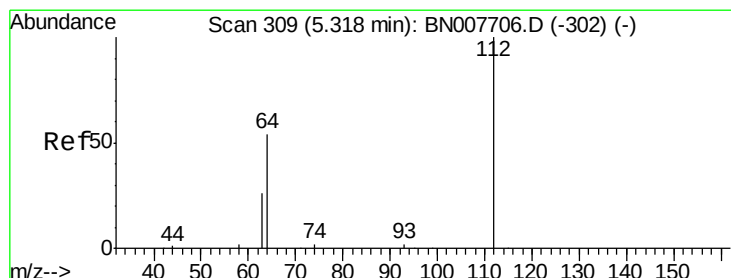
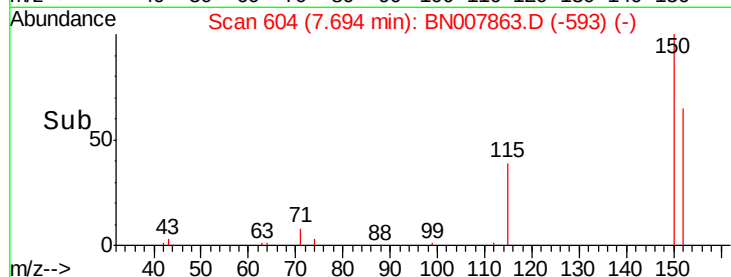
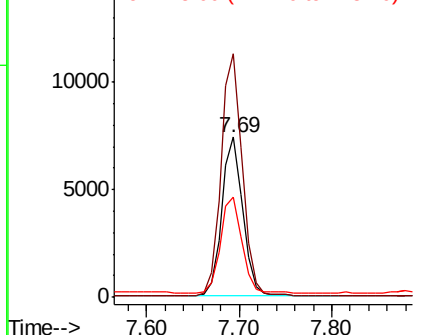


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

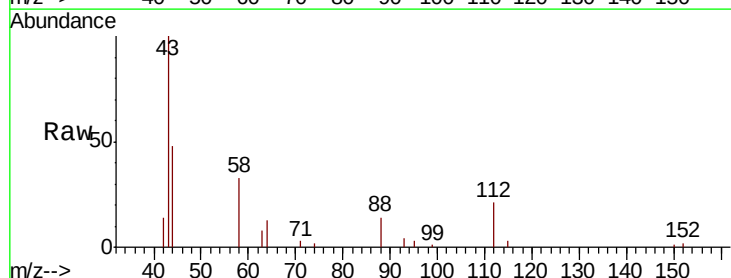
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.042 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.6	70.0
63	28.1	23.1	34.7

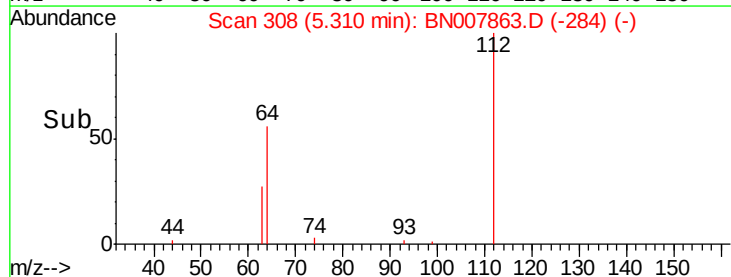
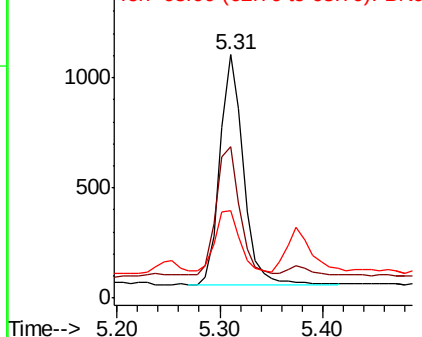


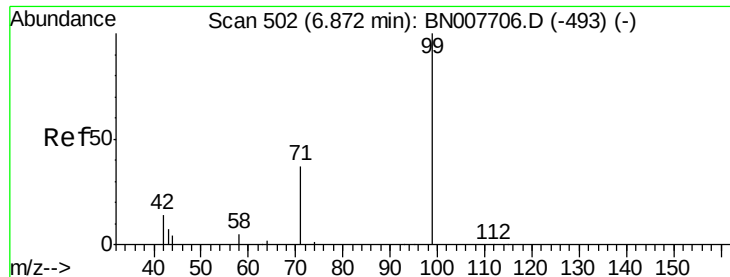
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.040 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Instrument :

BNA_N

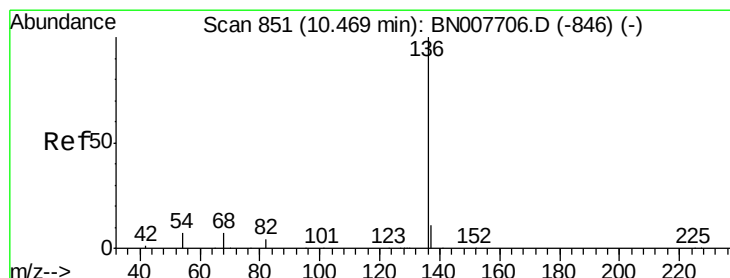
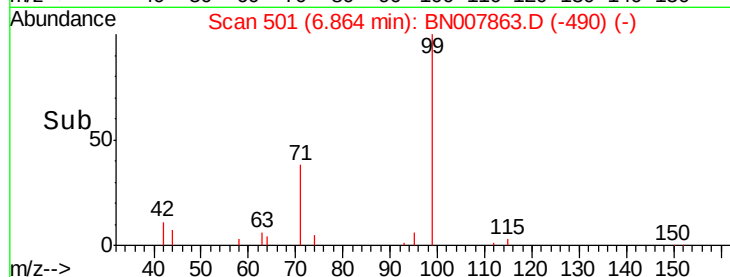
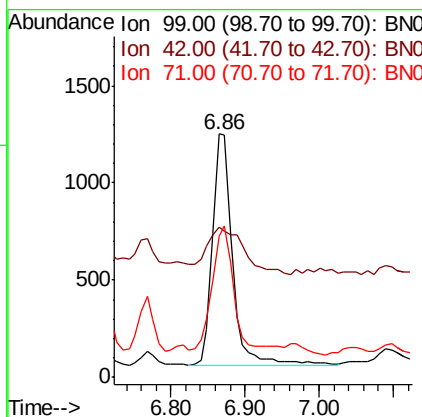
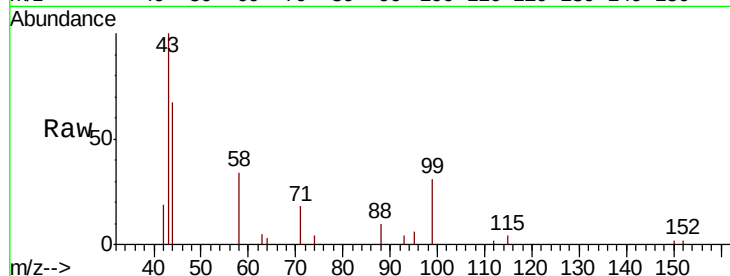
ClientSampleId :

EXT-SW091-091819-2

Tot Ion:	99	Resp:	2239
Ion	Ratio	Lower	Upper
99	100		
42	37.2	12.8	19.2#
71	57.6	27.6	41.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

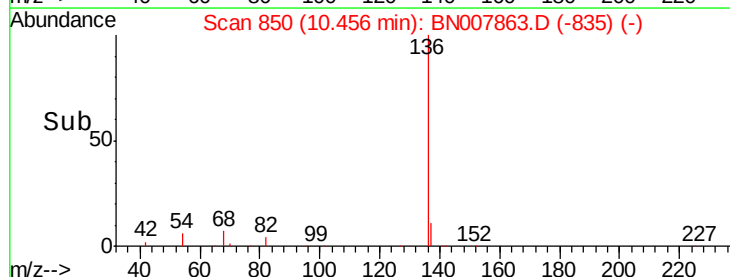
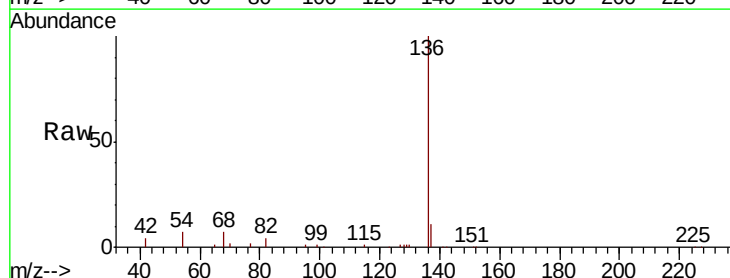
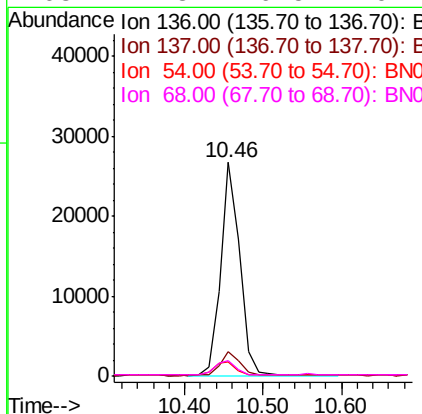
RT: 10.46 min Scan# 850

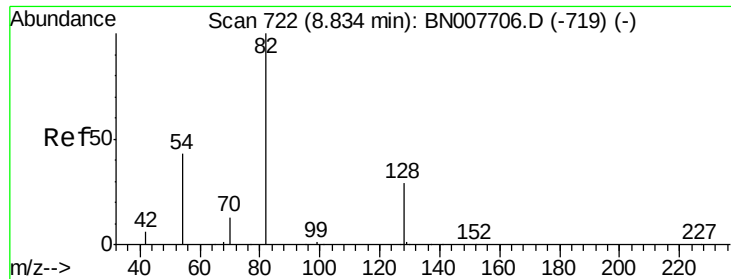
Delta R.T. -0.01 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Tgt Ion:	136	Resp:	45338
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.6	5.8	8.8
68	7.3	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.046 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Instrument :

BNA_N

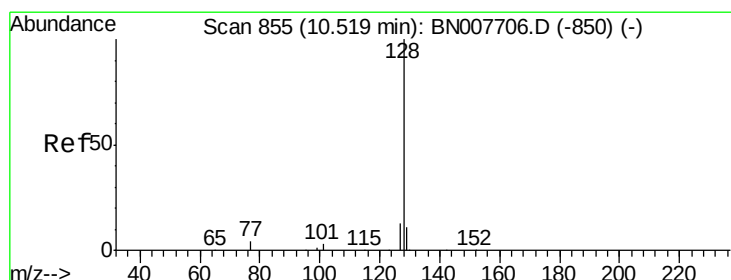
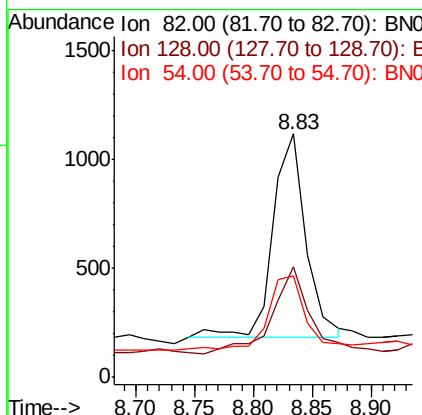
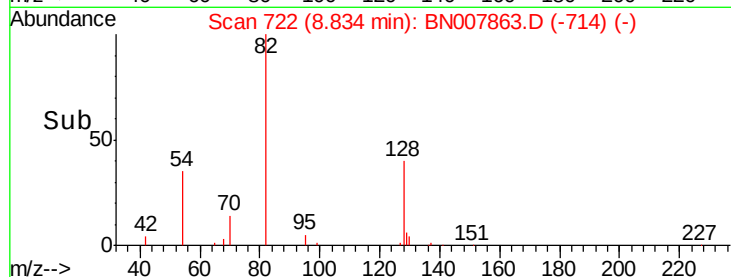
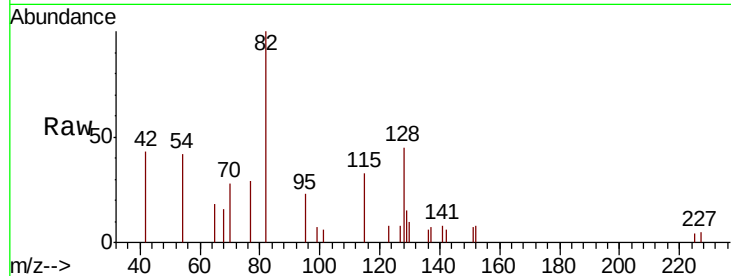
ClientSampleId :

EXT-SW091-091819-2

Tot Ion:	82	Resp:	1833
Ion Ratio	Lower	Upper	
82	100		
128	45.2	24.5	36.7#
54	41.9	35.2	52.8

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#9

Naphthalene

Concen: 0.877 ng

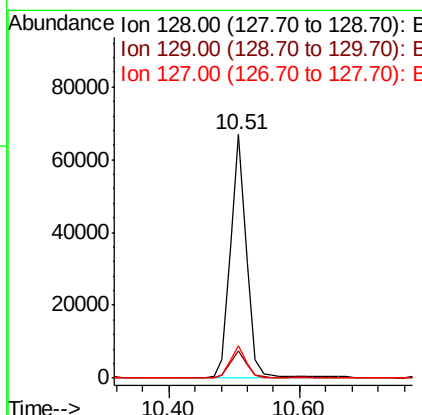
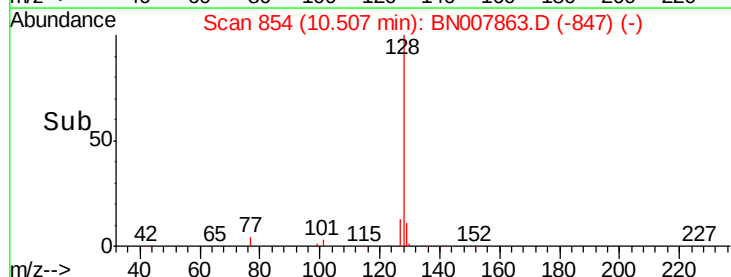
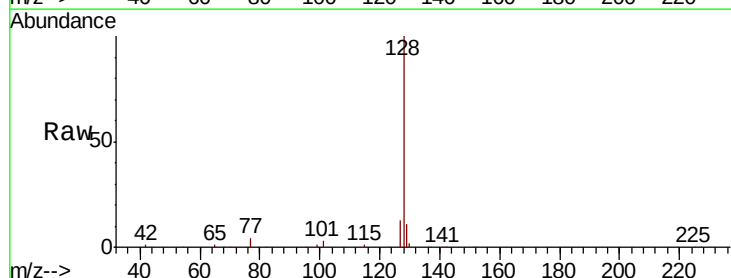
RT: 10.51 min Scan# 854

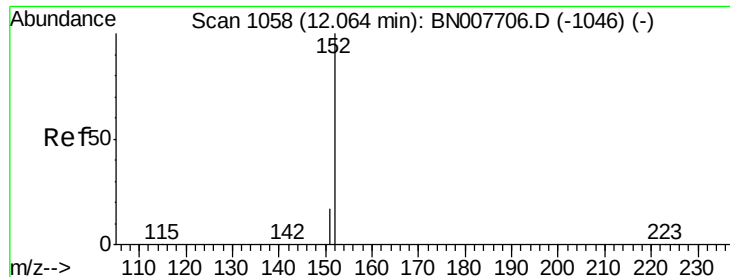
Delta R.T. -0.01 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Tgt Ion:	128	Resp:	111597
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.1	13.7
127	13.2	10.6	15.8





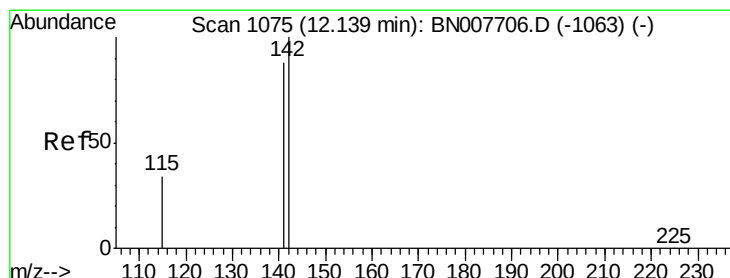
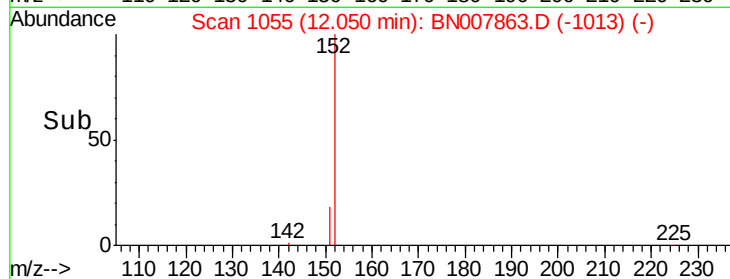
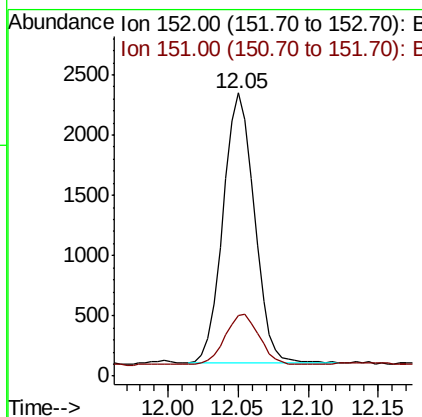
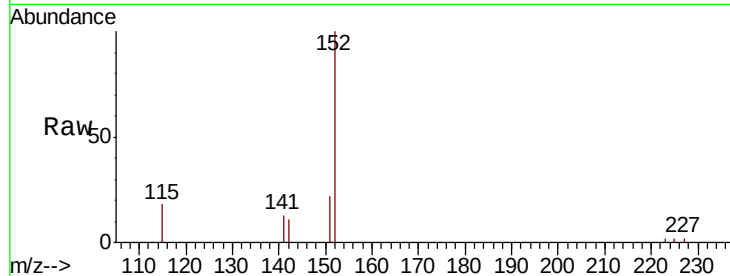
#11
 2-Methylnaphthalene-d10
 Concen: 0.046 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2

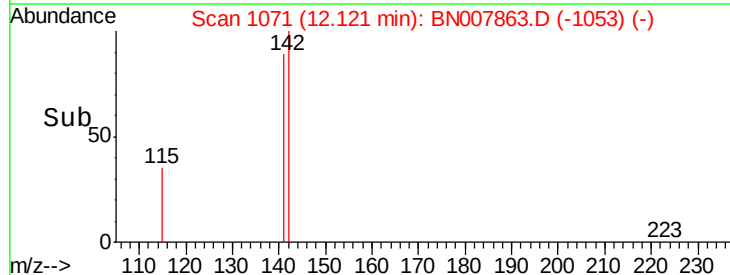
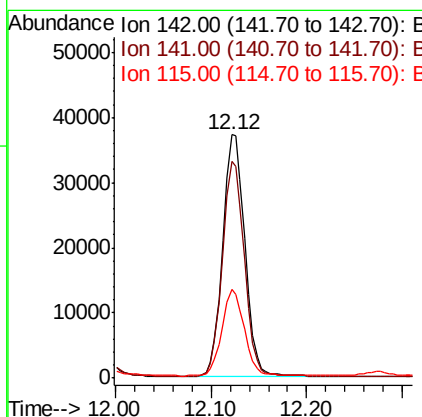
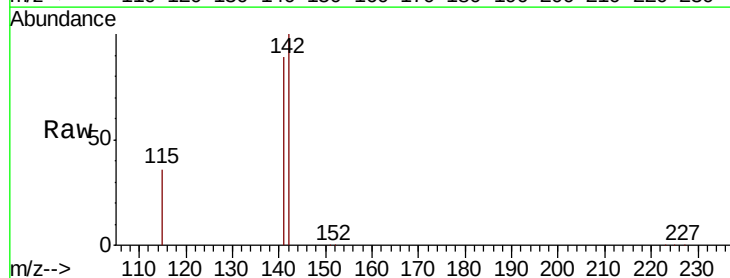
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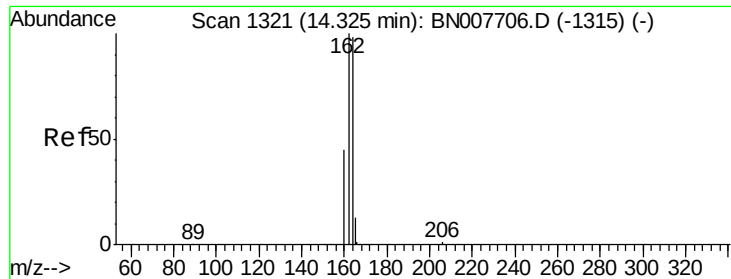
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#12
 2-Methylnaphthalene
 Concen: 0.696 ng
 RT: 12.12 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.6	106.0
115	36.4	28.3	42.5





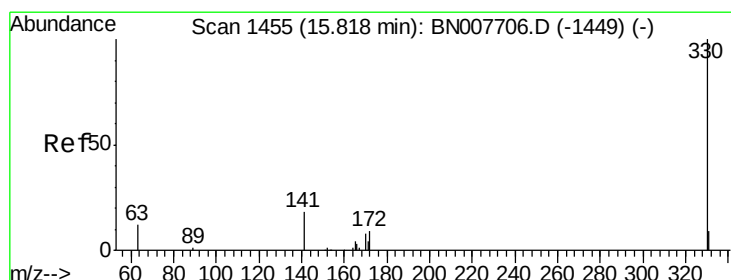
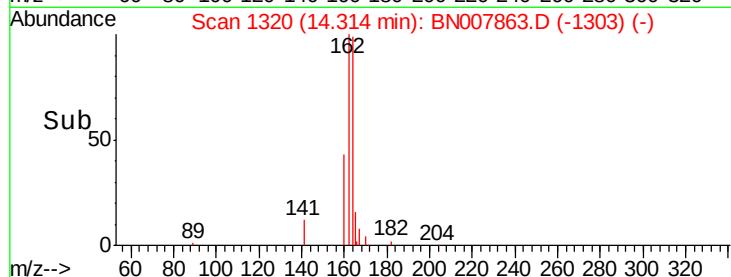
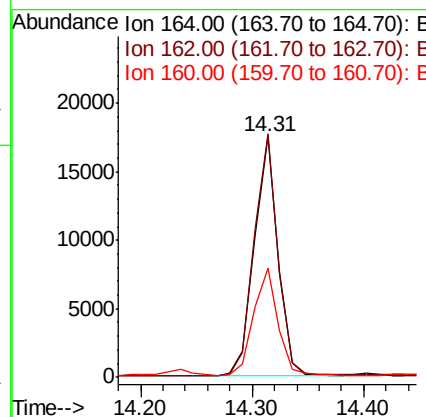
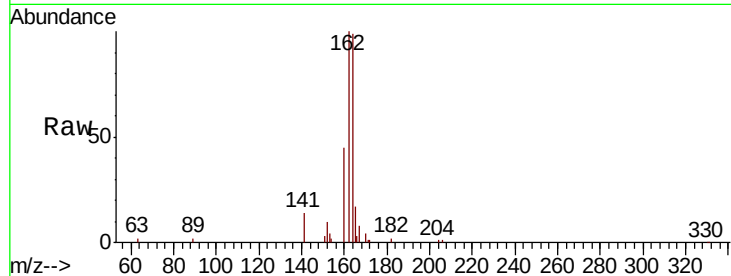
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.7	122.5
160	45.2	37.0	55.4

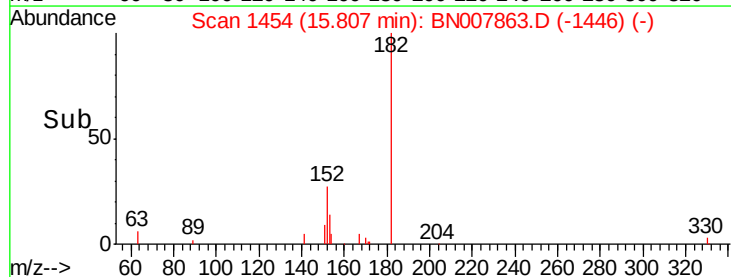
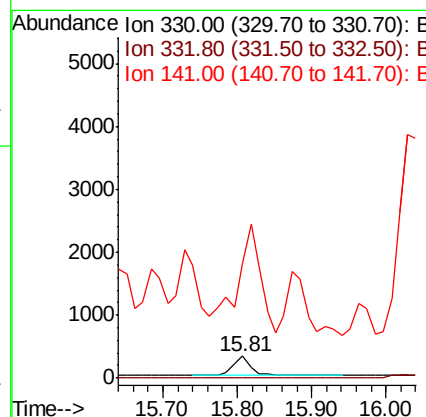
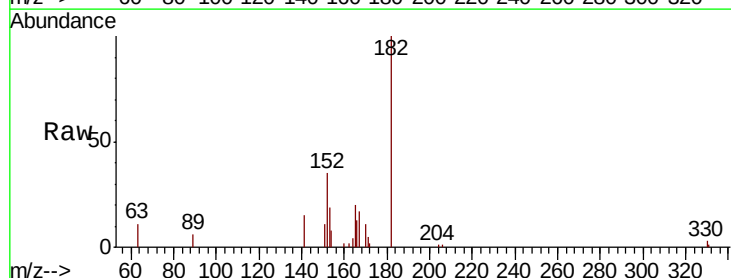
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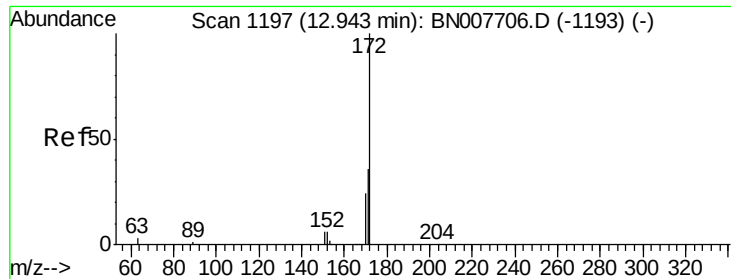
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#14
2,4,6-Tribromophenol
Concen: 0.034 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	777.9	28.7	43.1#





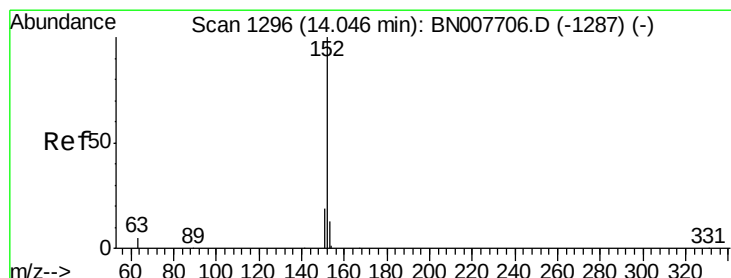
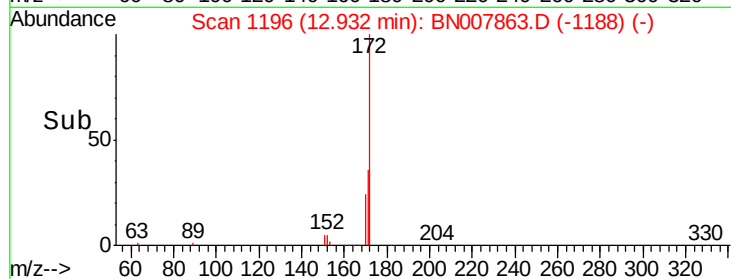
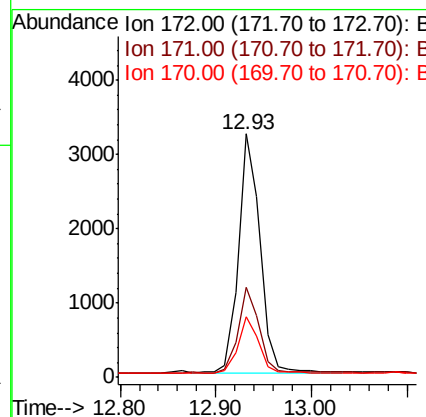
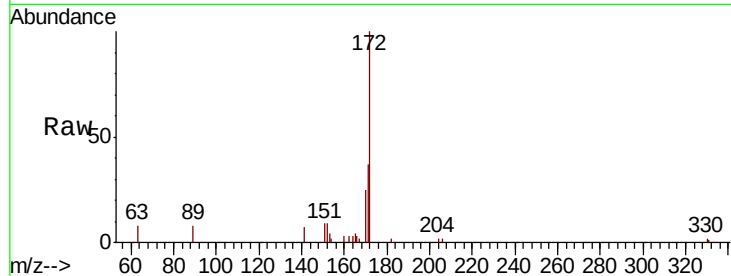
#15
2-Fluorobiphenyl
Concen: 0.047 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.8	43.2
170	25.1	19.5	29.3

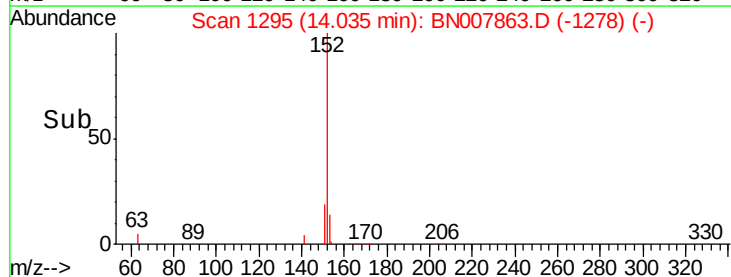
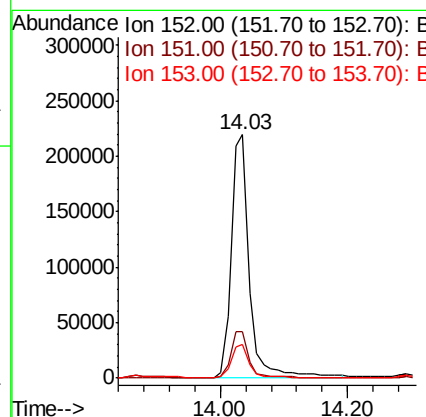
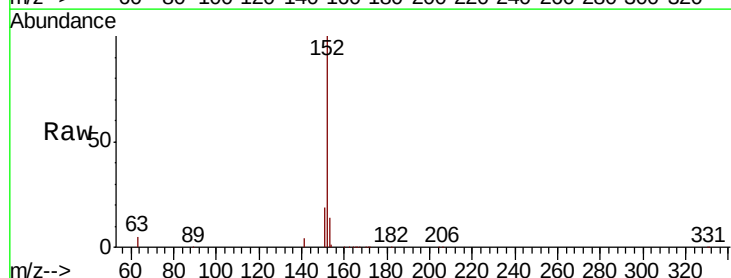
Manual Integrations
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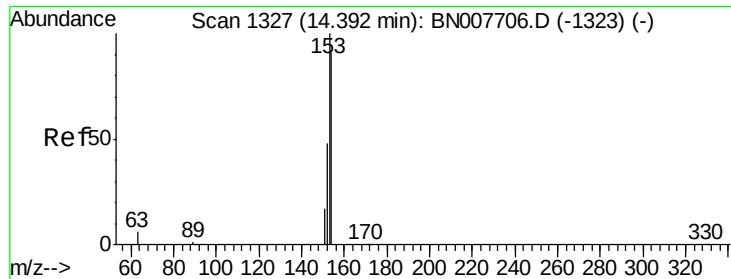
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#16
Acenaphthylene
Concen: 3.104 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.7	10.4	15.6





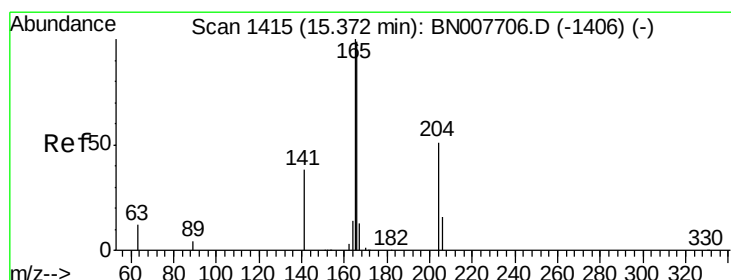
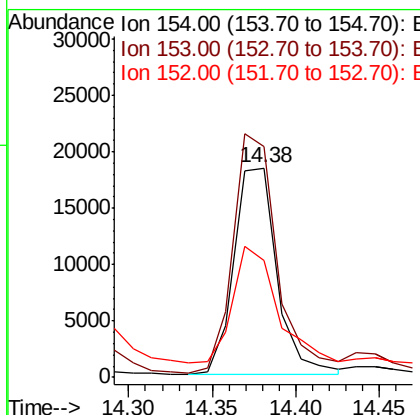
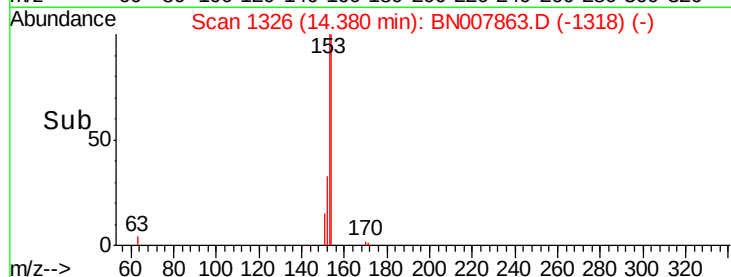
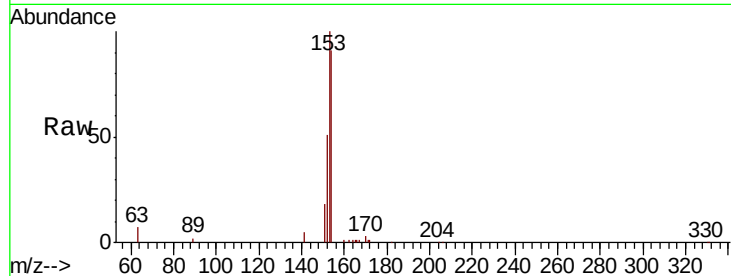
#17
Acenaphthene
Concen: 0.369 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.7	87.0	130.4
152	67.1	42.7	64.1#

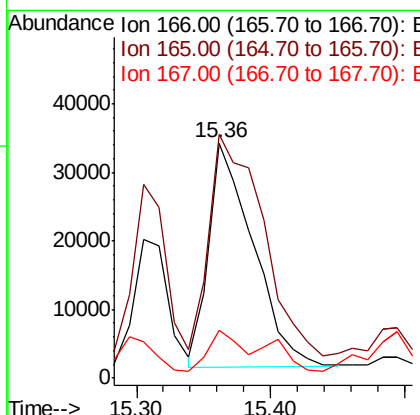
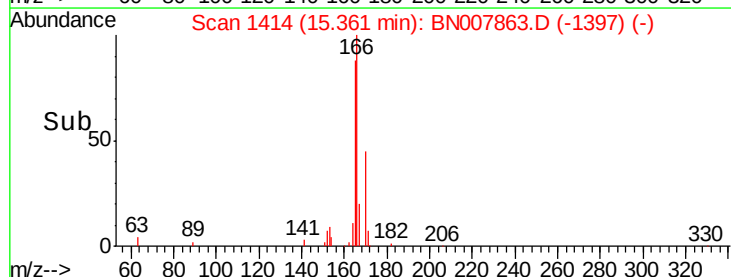
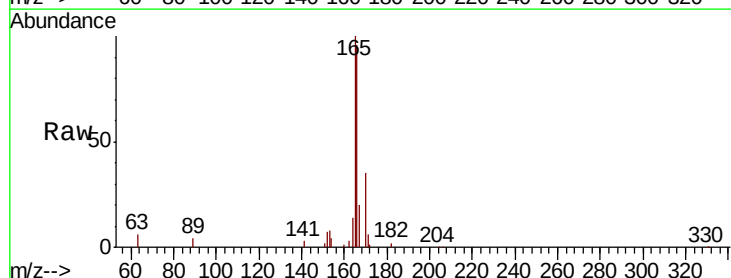
Manual Integrations
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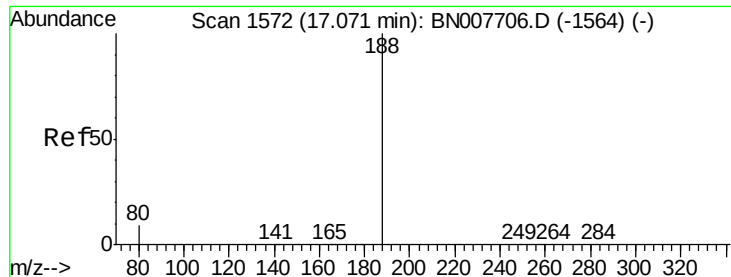
mohammad
9/27/2019 8:28:03 AM



#18
Fluorene
Concen: 0.671 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	117.2	78.0	117.0#
167	13.1	10.9	16.3





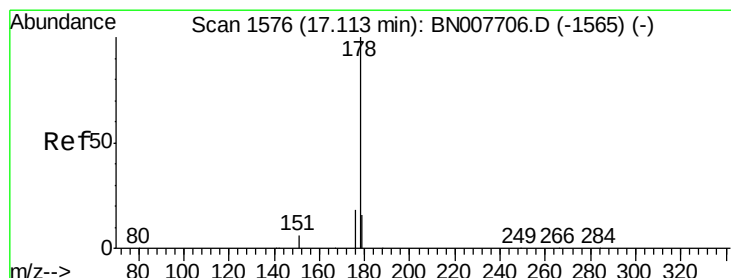
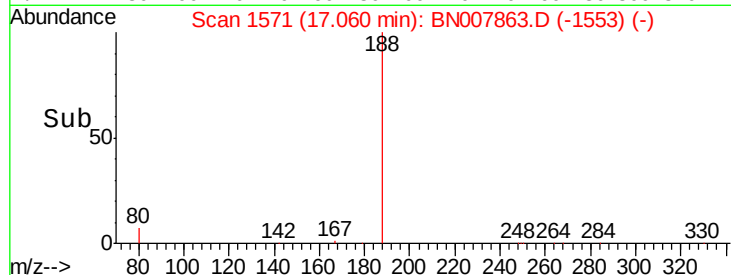
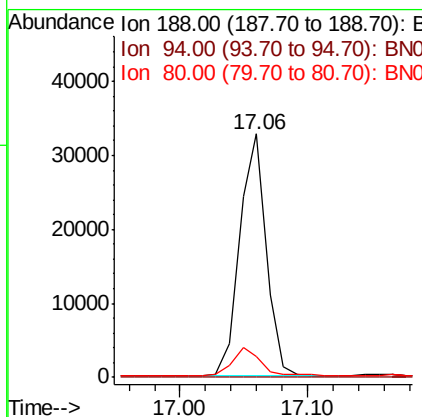
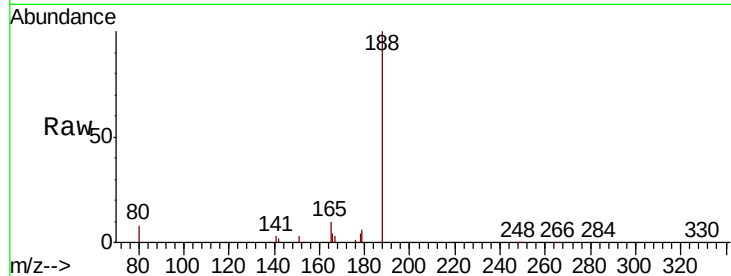
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	47186		
94	0.0	0.0	0.0	0.0
80	8.4	7.4	11.2	

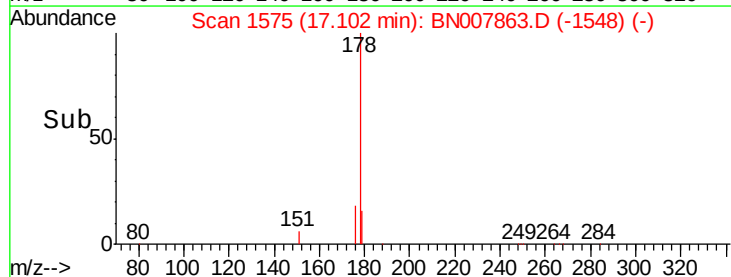
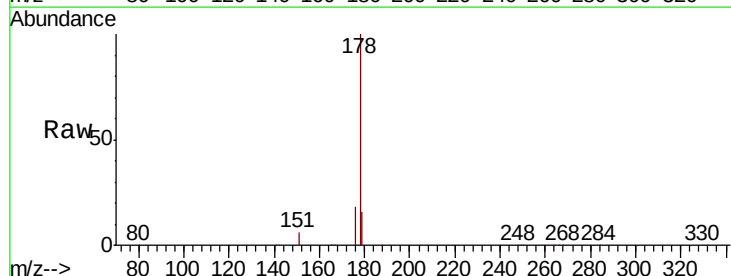
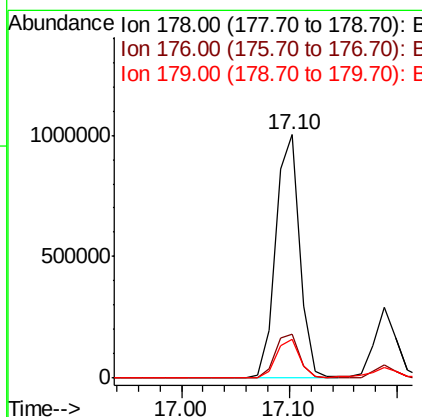
Manual Integrations
APPROVED

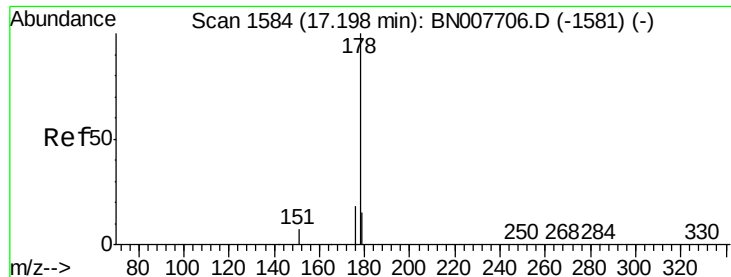
mohammad
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#23
Phenanthrene
Concen: 10.392 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1527513		
176	18.6	14.9	22.3	
179	15.8	12.5	18.7	





#24

Anthracene

Concen: 3.024 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Instrument :

BNA_N

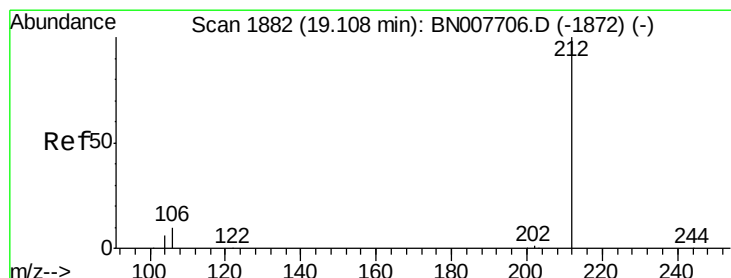
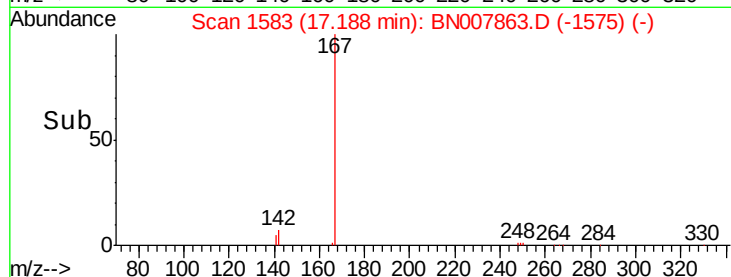
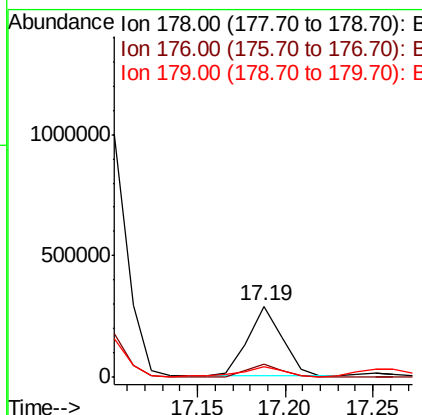
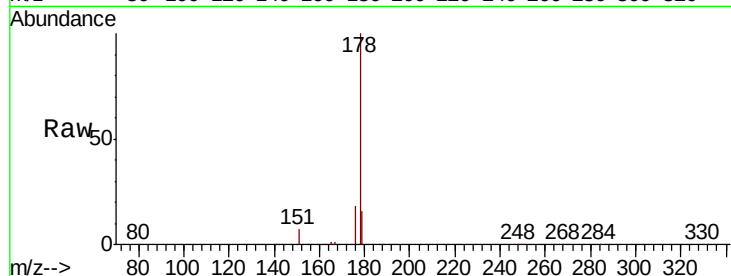
ClientSampleId :

EXT-SW091-091819-2

Tot Ion:	178	Resp:	401486
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.6	21.8
179	16.0	12.2	18.4

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.040 ng m

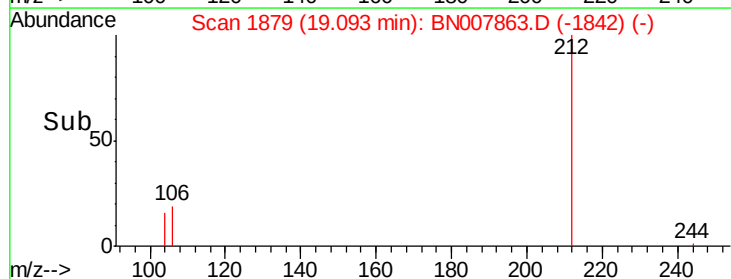
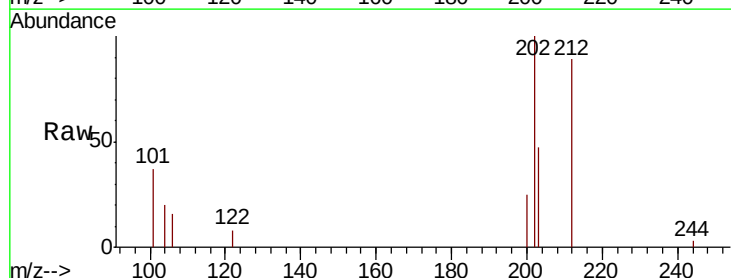
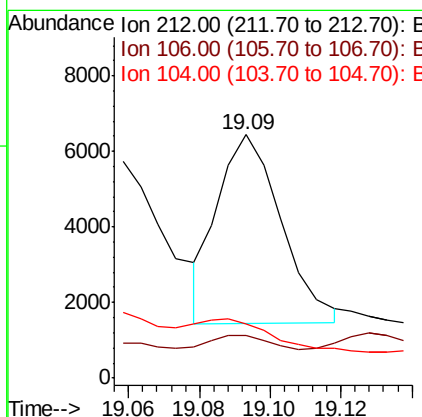
RT: 19.09 min Scan# 1879

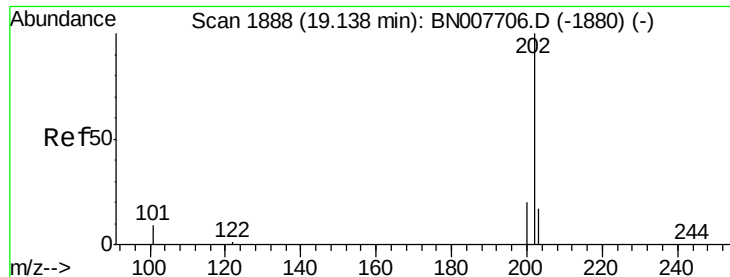
Delta R.T. -0.01 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Tgt Ion:	212	Resp:	6298
Ion Ratio	Lower	Upper	
212	100		
106	14.7	9.4	14.0#
104	8.4	5.3	7.9#





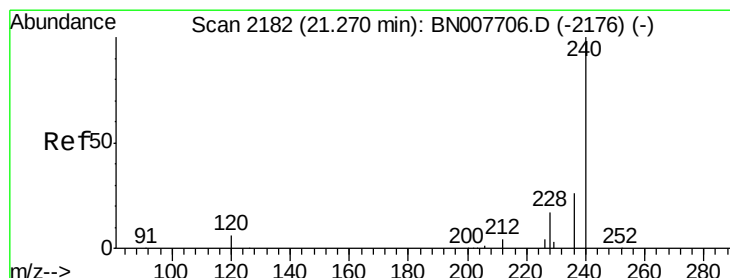
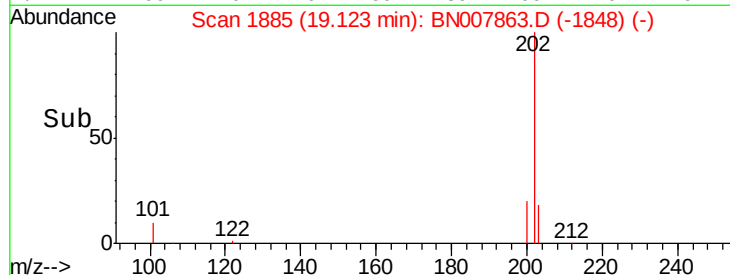
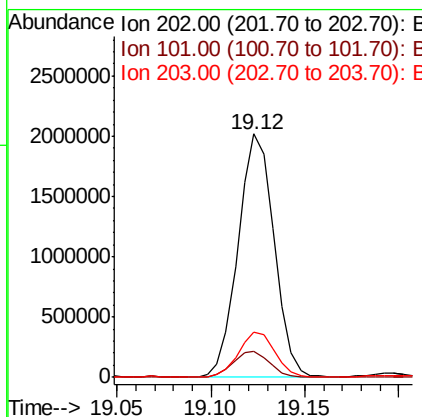
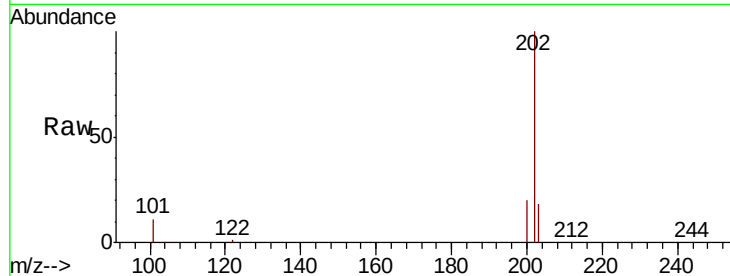
#26
 Fluoranthene
 Concen: 14.646 ng
 RT: 19.12 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.4	12.6
203	18.3	13.8	20.8

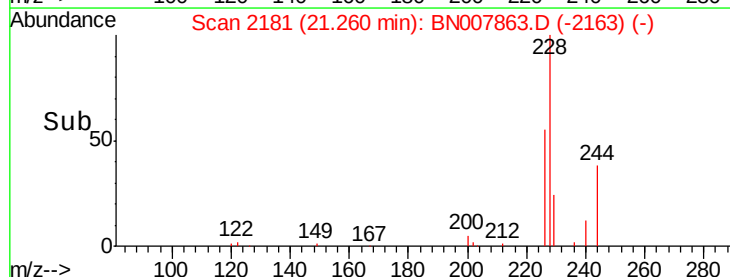
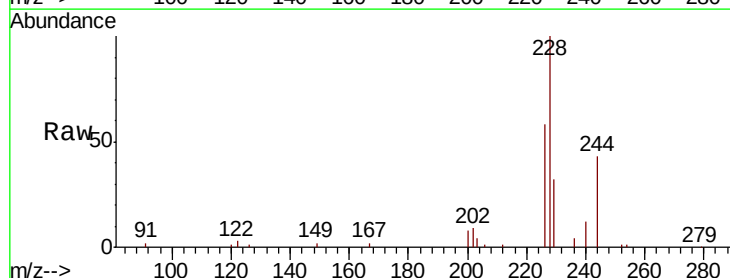
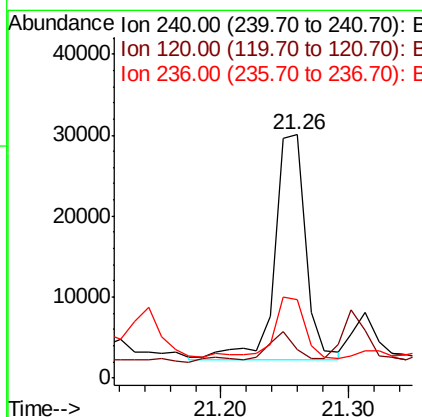
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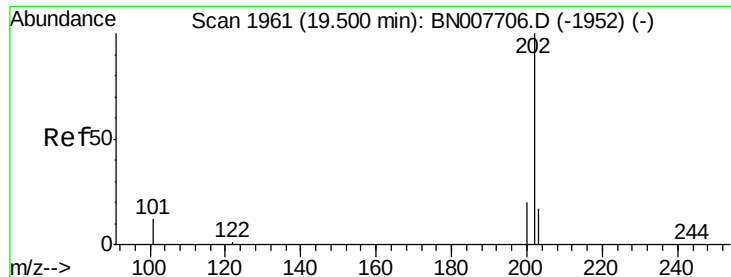
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	5.4	8.2#
236	32.4	21.0	31.4#





#28

Pvrene

Concen: 24.826 ng

RT: 19.49 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

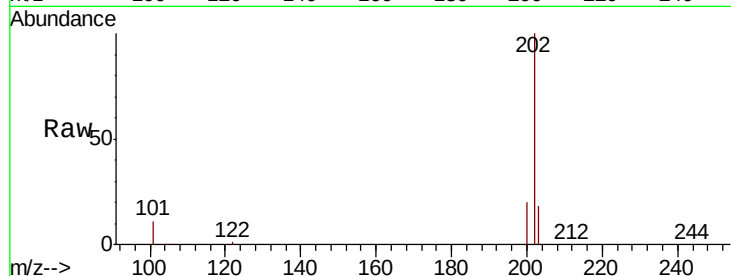
EXT-SW091-091819-2

Tot Ion:202 Resp: 3986933

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	22.0	14.1	21.1#

Manual Integrations
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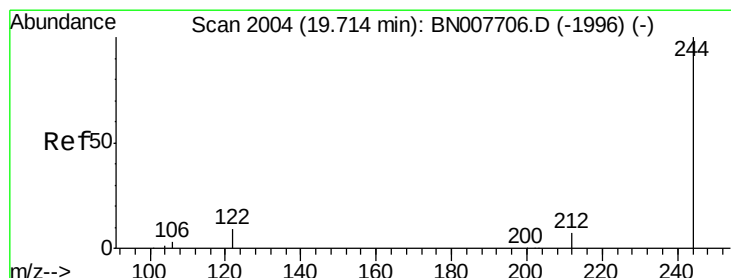
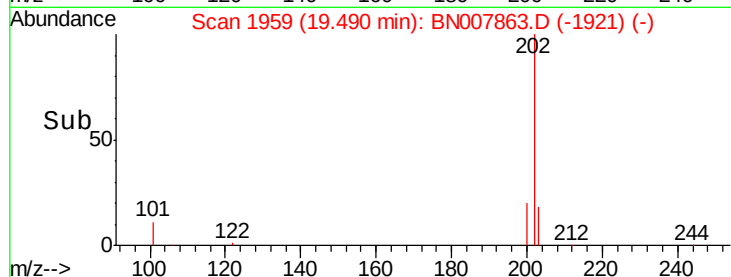
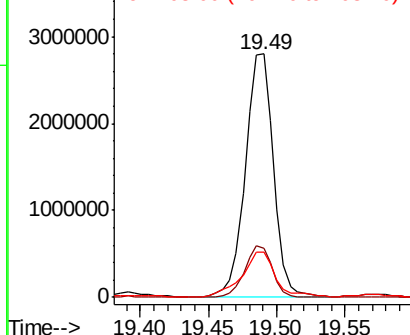


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.075 ng

RT: 19.69 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BN007863.D

Acq: 25 Sep 2019 20:40

Tgt Ion:244 Resp: 8635

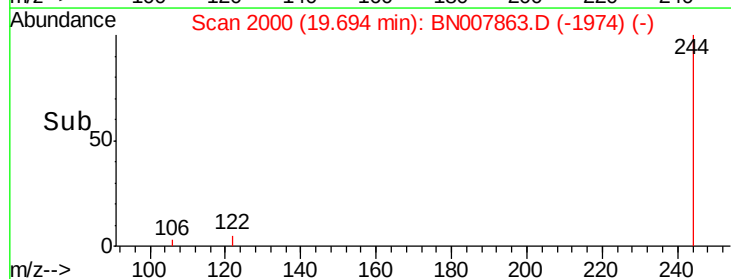
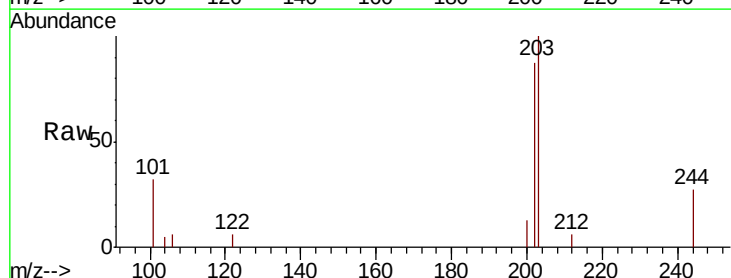
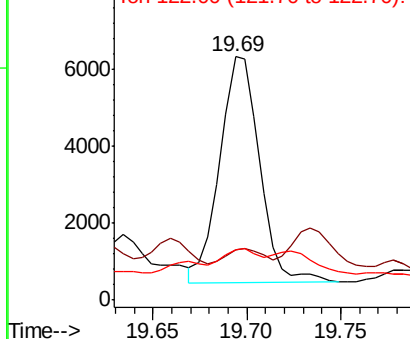
Ion	Ratio	Lower	Upper
244	100		
212	20.5	5.9	8.9#
122	20.6	7.4	11.2#

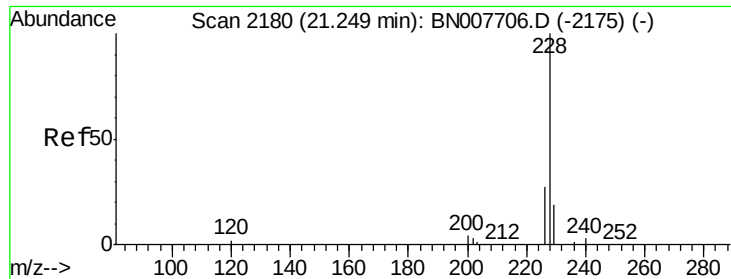
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





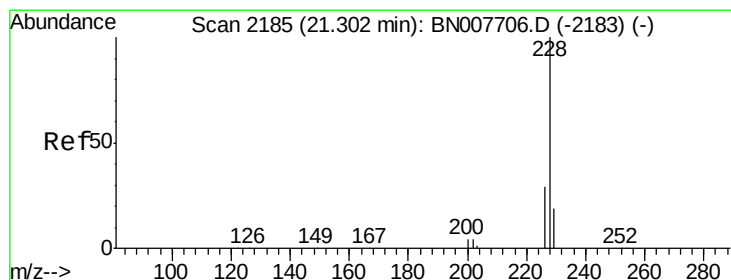
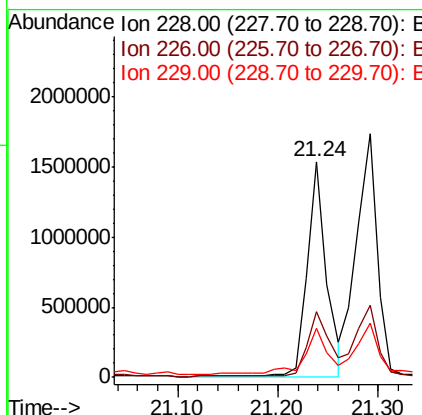
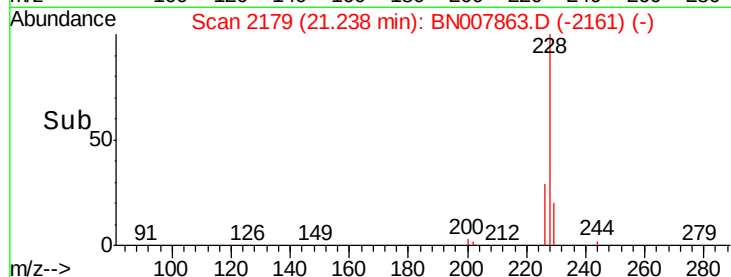
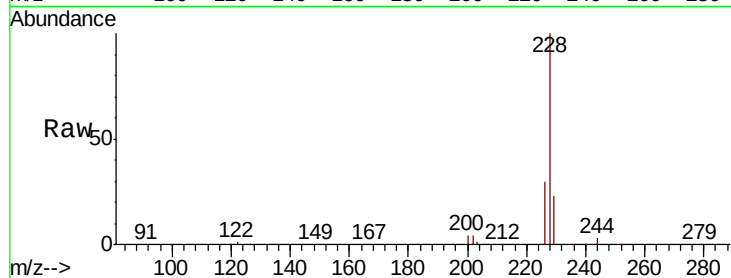
#30
Benzo(a)anthracene
Concen: 11.880 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion:228 Resp: 2060024
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 22.7 15.8 23.6

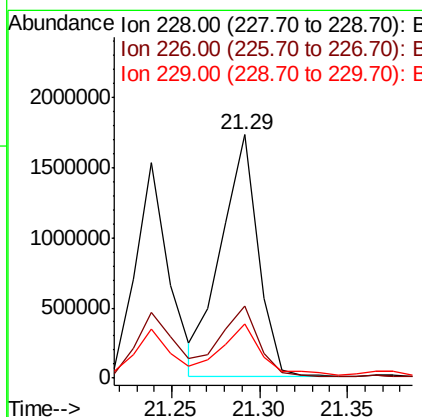
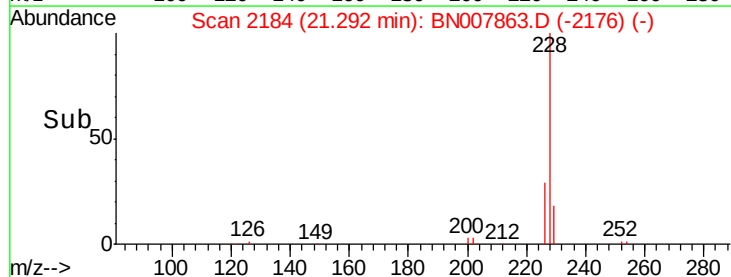
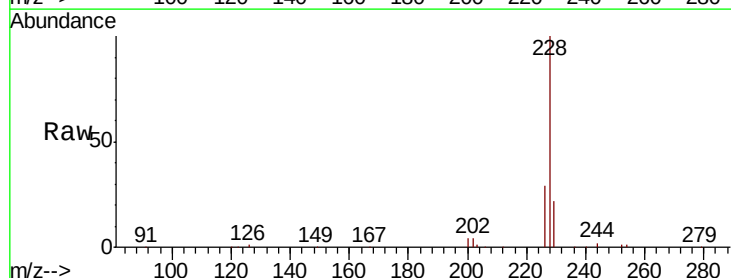
Manual Integrations
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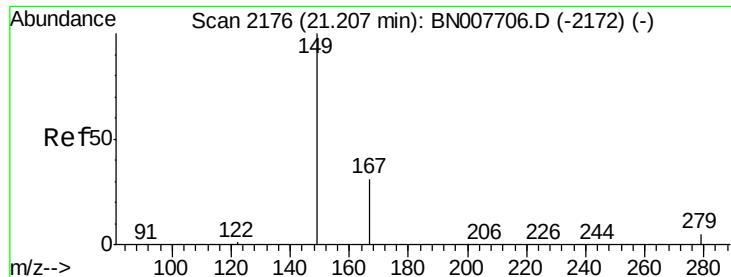
mohammad
9/27/2019 8:28:03 AM



#31
Chrysene
Concen: 14.762 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion:228 Resp: 2494709
Ion Ratio Lower Upper
228 100
226 29.4 23.9 35.9
229 22.1 15.8 23.6





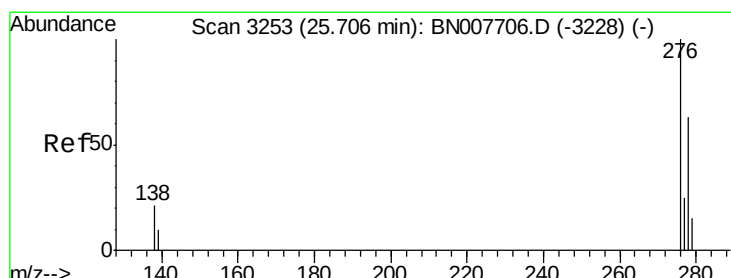
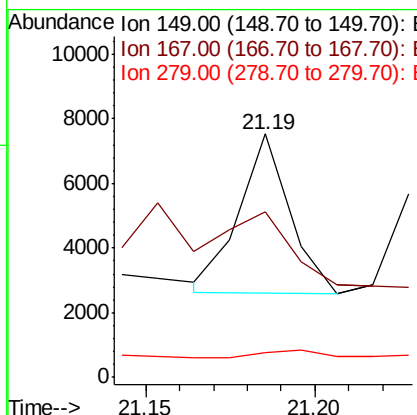
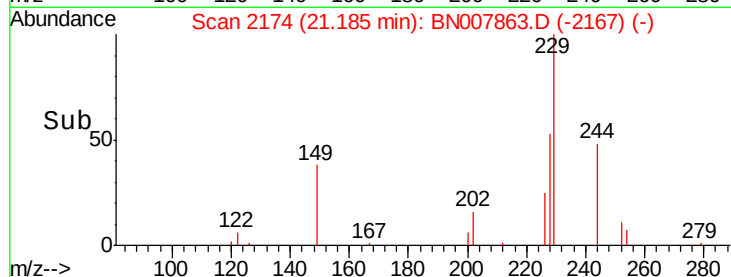
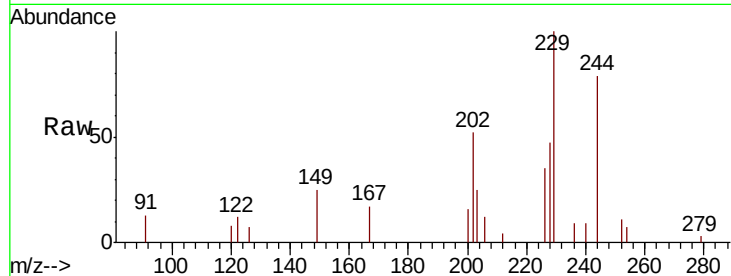
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.058 ng m
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	23.7	35.5#
279	6.1	4.2	6.2

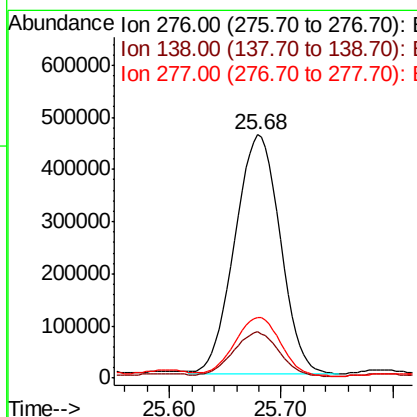
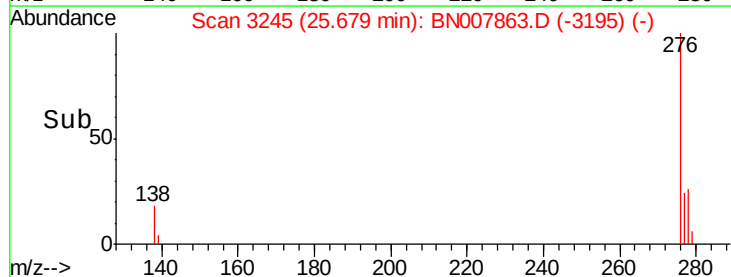
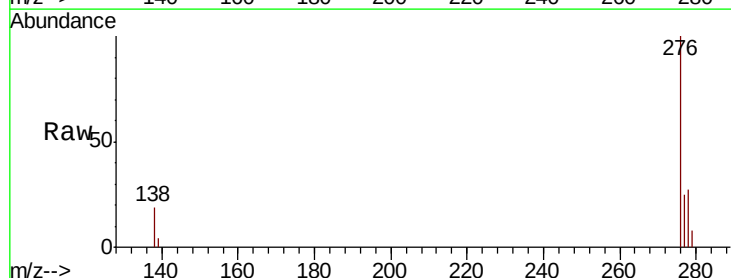
Manual Integrations
 APPROVED

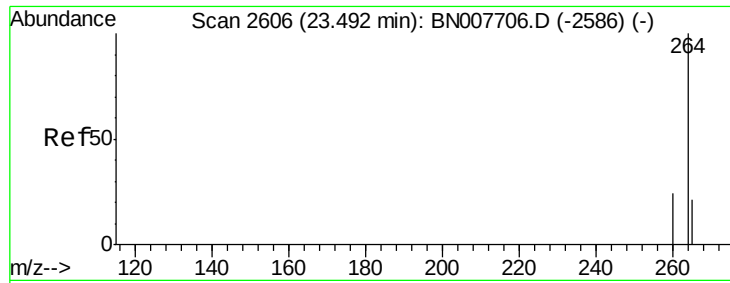
mohammad
 9/27/2019 8:28:03 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 6.080 ng
 RT: 25.68 min Scan# 3245
 Delta R.T. -0.03 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	17.1	25.7
277	24.9	20.0	30.0





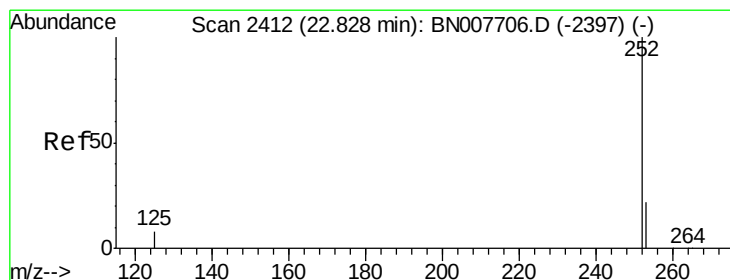
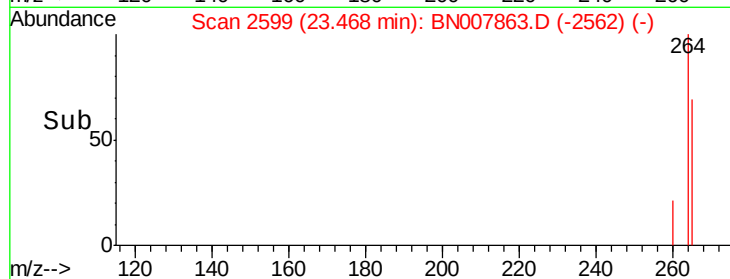
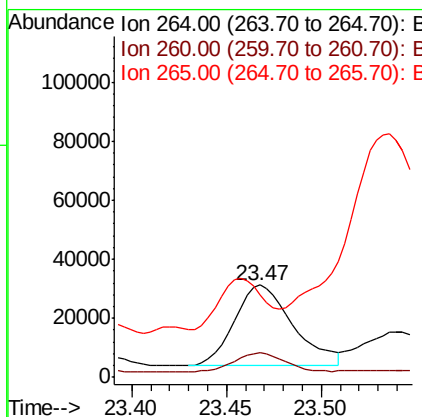
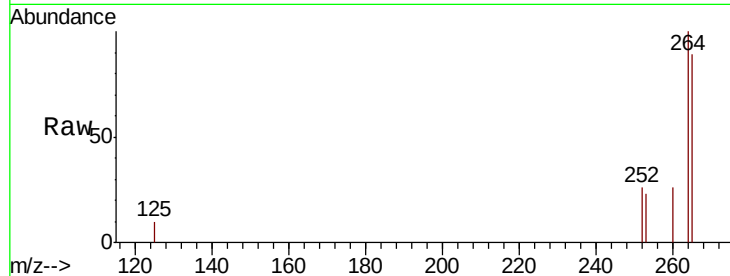
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2599
 Delta R.T. -0.02 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.3	28.9
265	89.1	26.9	40.3

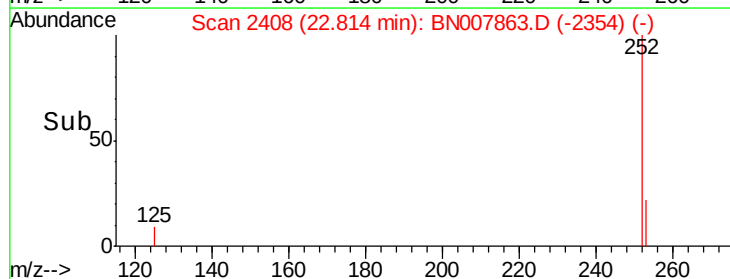
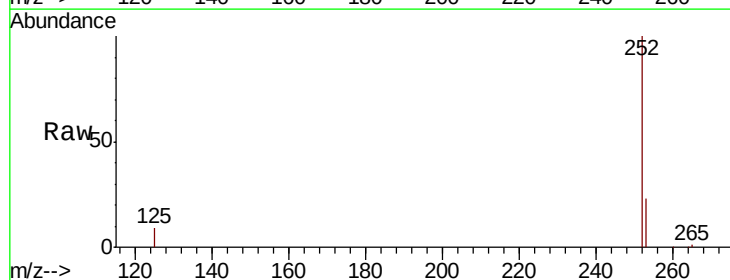
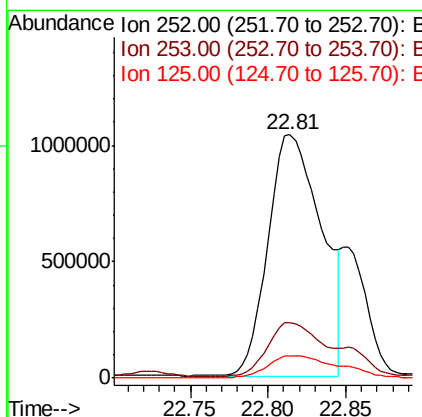
Manual Integrations
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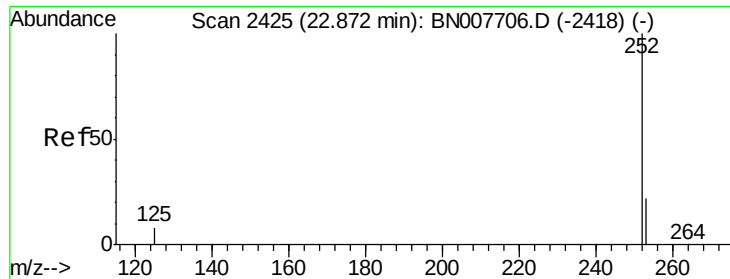
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 12.076 ng
 RT: 22.81 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BN007863.D
 Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	9.2	8.2	12.4





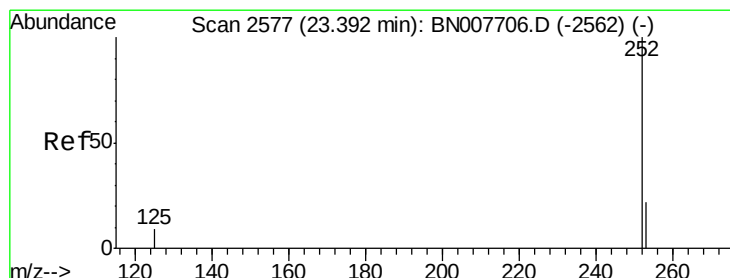
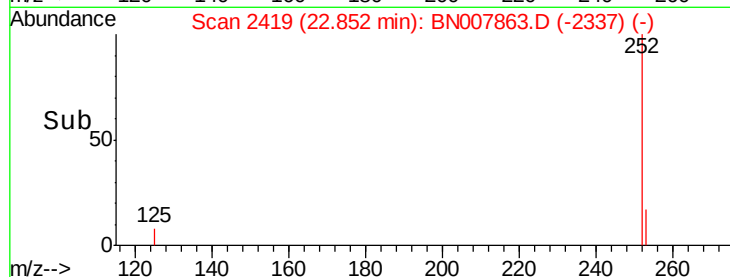
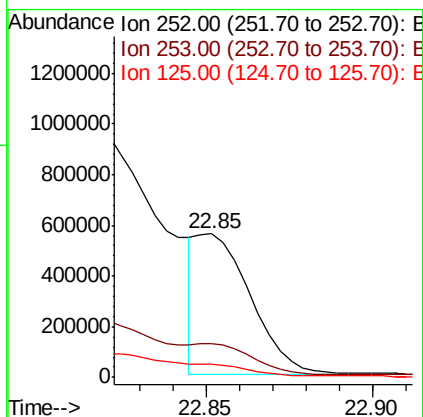
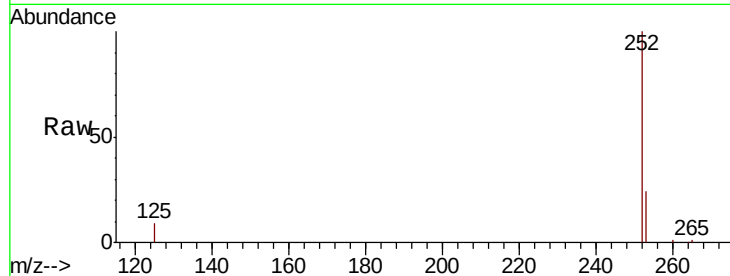
#36
Benzo(k)fluoranthene
Concen: 3.073 ng m
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	9.0	8.4	12.6

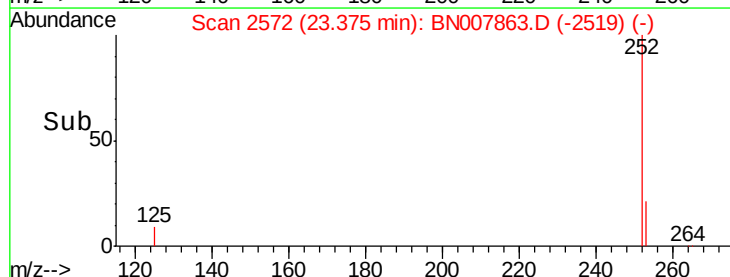
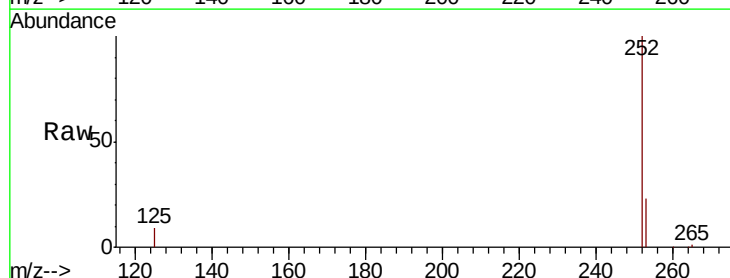
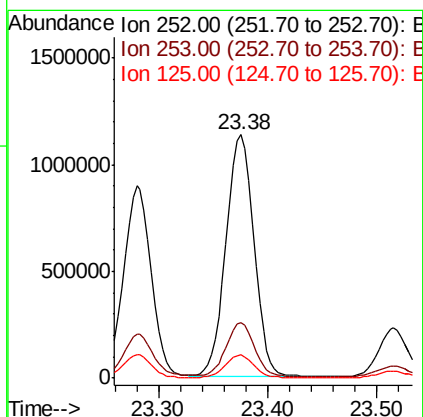
Manual Integrations
APPROVED

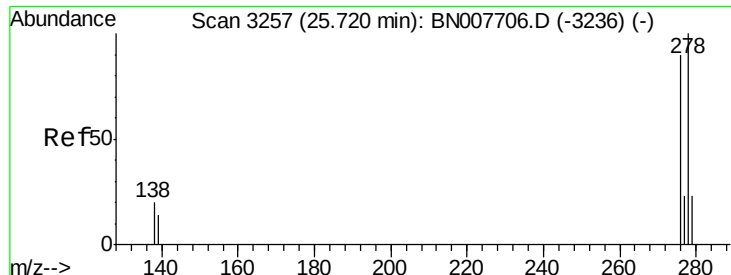
mohammad
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#37
Benzo(a)pyrene
Concen: 10.385 ng
RT: 23.38 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	27.8
125	9.4	9.4	14.0





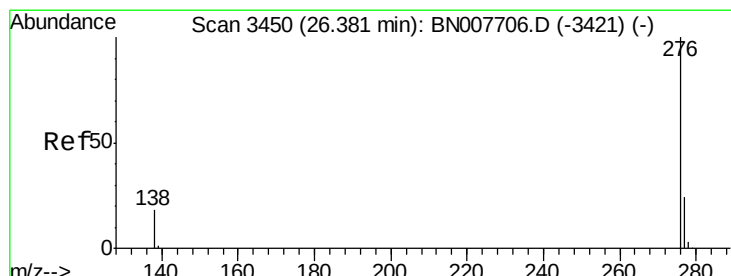
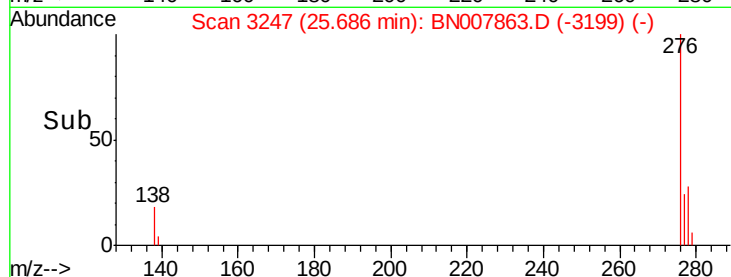
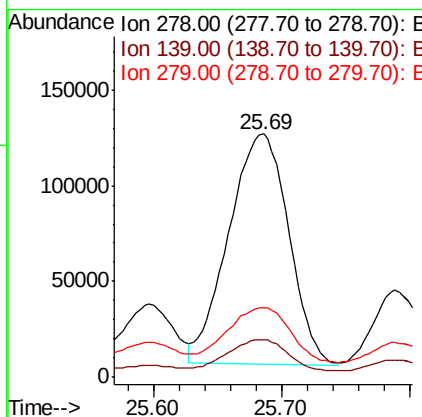
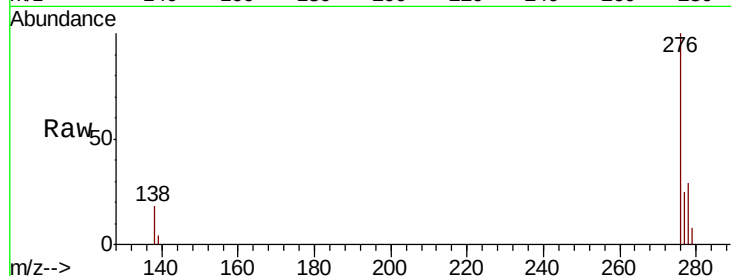
#38
Dibenzo(a,h)anthracene
Concen: 1.969 ng
RT: 25.69 min Scan# 3247
Delta R.T. -0.03 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.8	17.6
279	28.6	19.4	29.2

Manual Integrations
APPROVED

mohammad
9/27/2019 8:28:03 AM



#39
Benzo(g,h,i)perylene
Concen: 7.663 ng
RT: 26.36 min Scan# 3443
Delta R.T. -0.02 min
Lab File: BN007863.D
Acq: 25 Sep 2019 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	18.6	15.1	22.7

