

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006661.D
 Acq On : 01 Jul 2019 15:19
 Operator : HP/JU
 Sample : K3504-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-029-SW158-062019

Manual Integrations
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Quant Time: Jul 02 05:30:58 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	4255	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	16847	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9272	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	19510	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	18028	0.40	ng	-0.01
34) Perylene-d12	23.49	264	20220	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	2862	0.27	ng	0.00
5) Phenol-d6	6.82	99	3907	0.28	ng	0.00
8) Nitrobenzene-d5	8.79	82	2661	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	6226	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1113	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	8079	0.24	ng	-0.01
25) Fluoranthene-d10	19.07	212	11400	0.20	ng	0.00
29) Terphenyl-d14	19.68	244	8011	0.21	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.45	128	3224	0.073	ng	# 89
12) 2-Methylnaphthalene	12.07	142	2288	0.075	ng	96
16) Acenaphthylene	13.99	152	20036	0.453	ng	99
17) Acenaphthene	14.33	154	2294	0.079	ng	96
18) Fluorene	15.32	166	4566	0.124	ng	# 87
23) Phenanthrene	17.07	178	104924	1.891	ng	100
24) Anthracene	17.16	178	19721	0.410	ng	99
26) Fluoranthene	19.11	202	172175	2.554	ng	99
28) Pyrene	19.47	202	188870	2.994	ng	97
30) Benzo(a)anthracene	21.24	228	84685	1.437	ng	95
31) Chrysene	21.29	228	103385	1.627	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	209887	7.075	ng	100
33) Indeno(1,2,3-cd)pyrene	25.73	276	56270	0.875	ng	97
35) Benzo(b)fluoranthene	22.83	252	113187	1.646	ng	# 97
36) Benzo(k)fluoranthene	22.87	252	39297m	0.536	ng	
37) Benzo(a)pyrene	23.40	252	80946	1.259	ng	97
38) Dibenzo(a,h)anthracene	25.73	278	15568	0.277	ng	# 72
39) Benzo(a,h,i)perylene	26.42	276	58477	1.043	ng	97

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

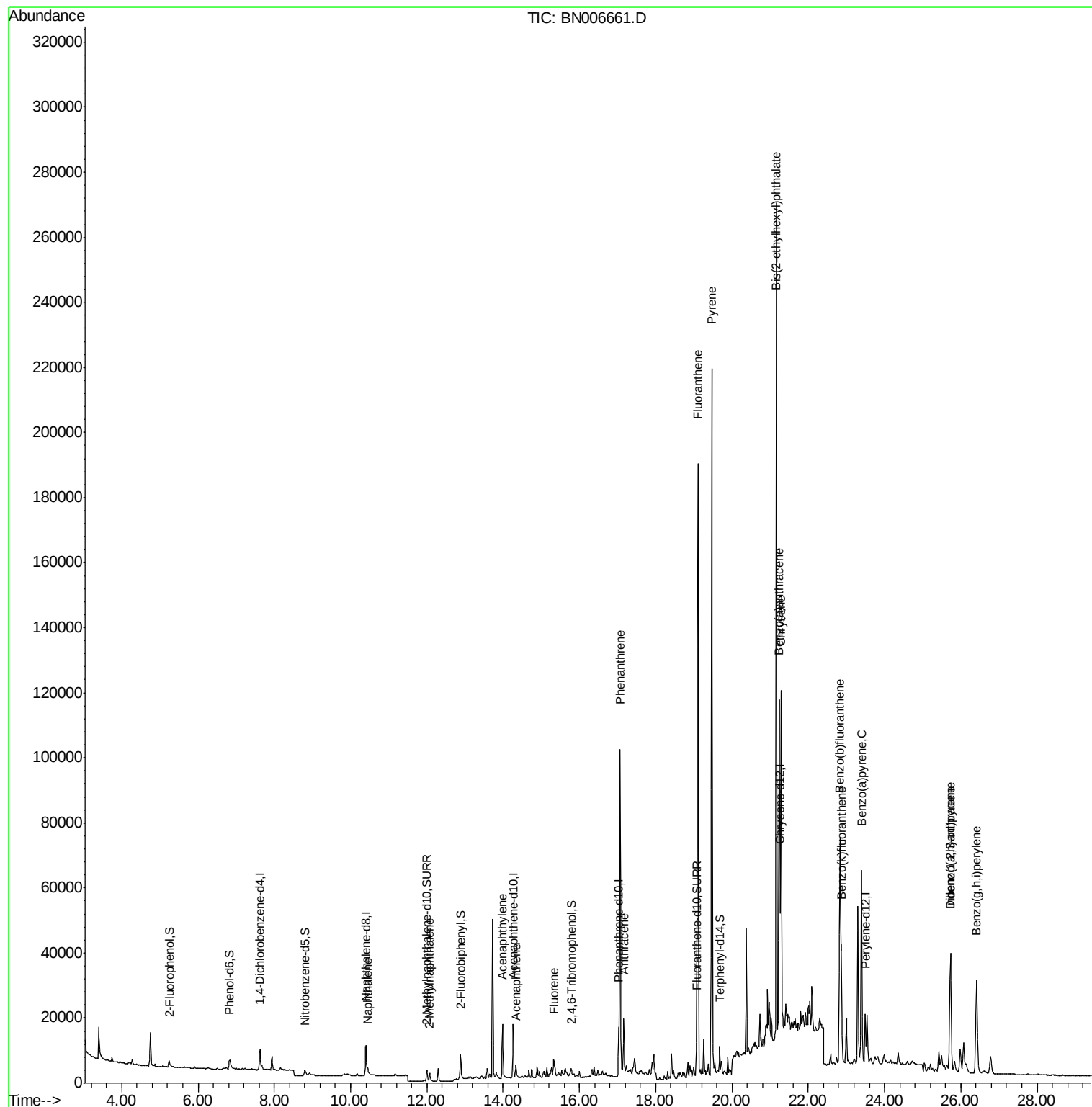
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006661.D
Acq On : 01 Jul 2019 15:19
Operator : HP/JU
Sample : K3504-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

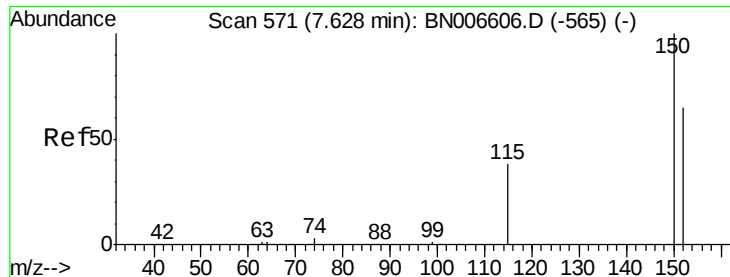
Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Quant Time: Jul 02 05:30:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
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#1

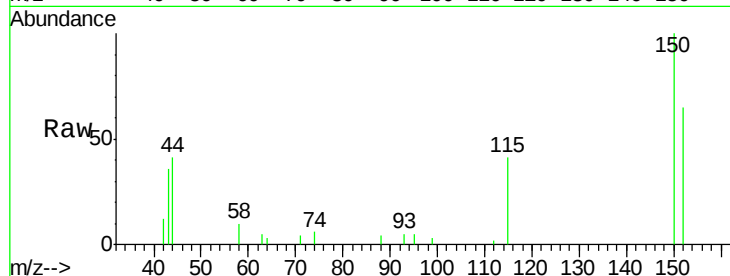
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	122.2	183.2
115	62.9	50.0	75.0

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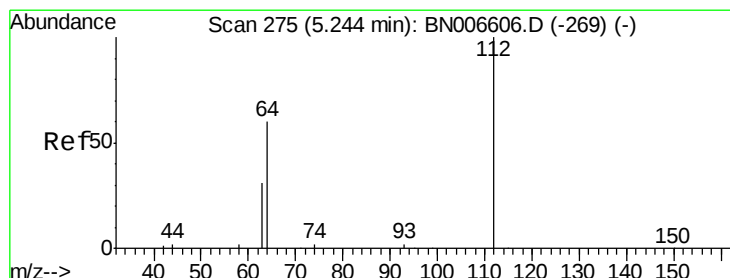
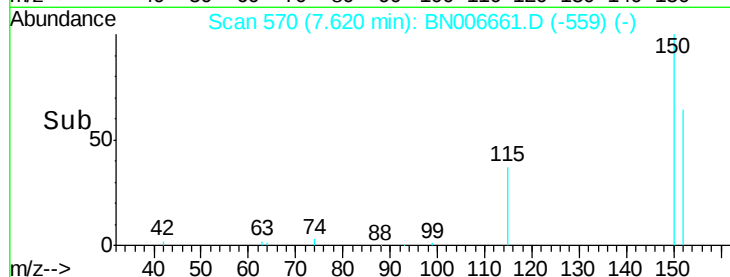
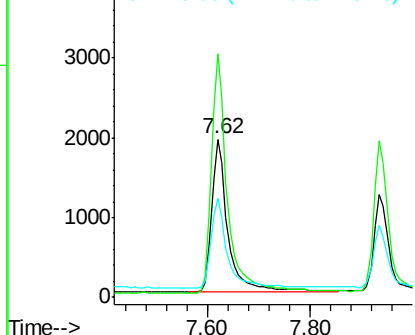


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

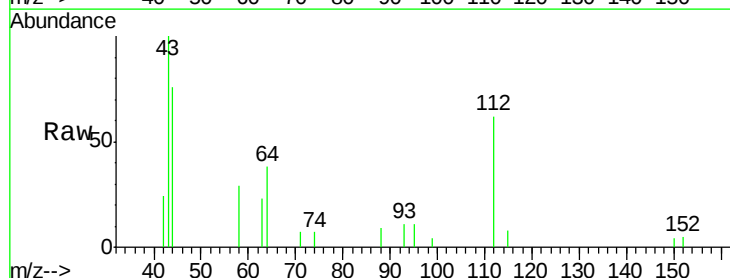
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.274 ng
RT: 5.24 min Scan# 275
Delta R.T. 0.00 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	48.9	73.3
63	33.4	24.3	36.5

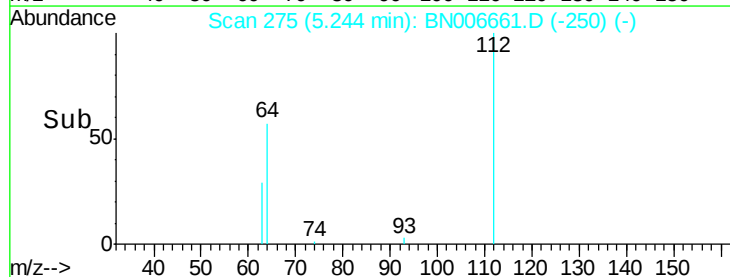
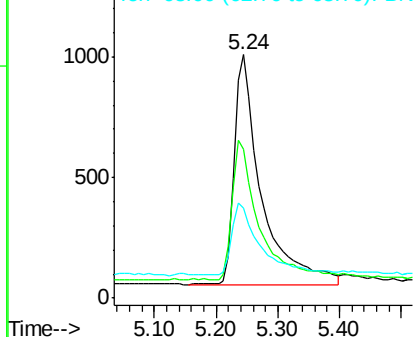


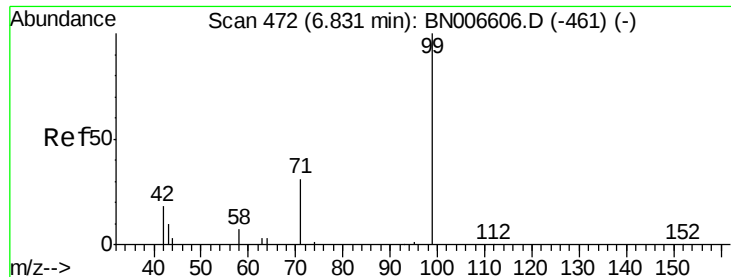
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.283 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Instrument :

BNA_N

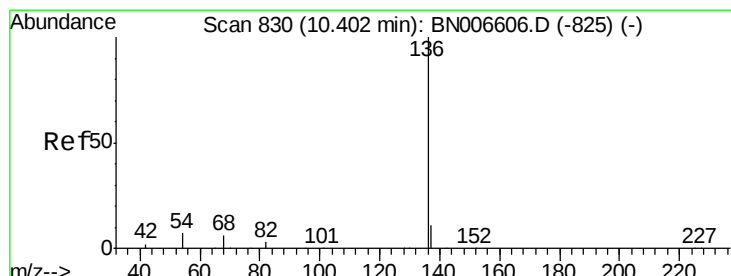
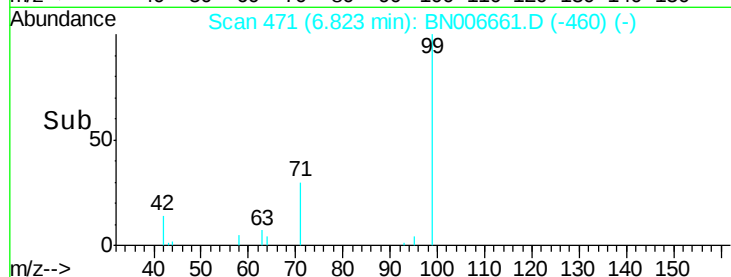
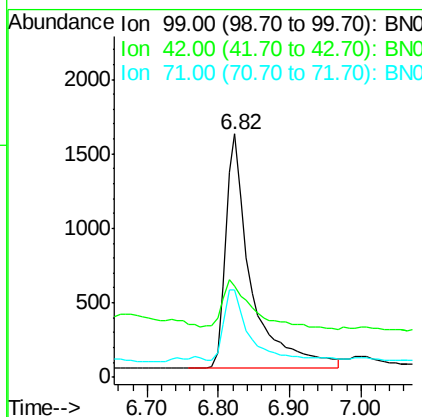
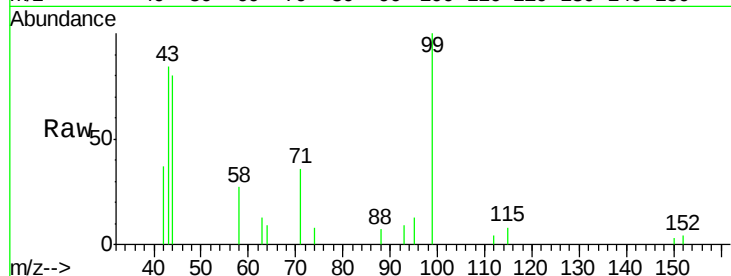
ClientSampleId :

EXT-029-SW158-062019

Tot Ion:	99	Resp:	3907
Ion Ratio	Lower	Upper	
99	100		
42	26.2	16.4	24.6#
71	28.8	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

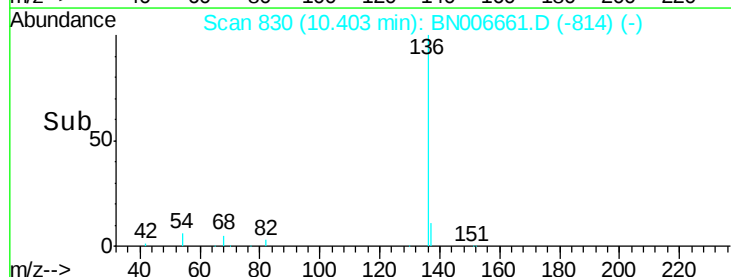
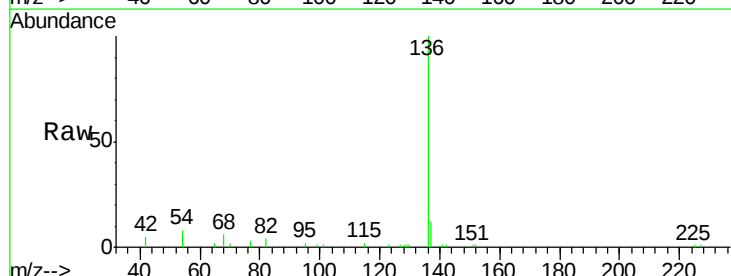
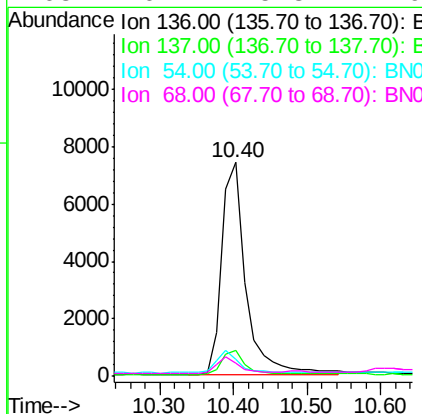
RT: 10.40 min Scan# 830

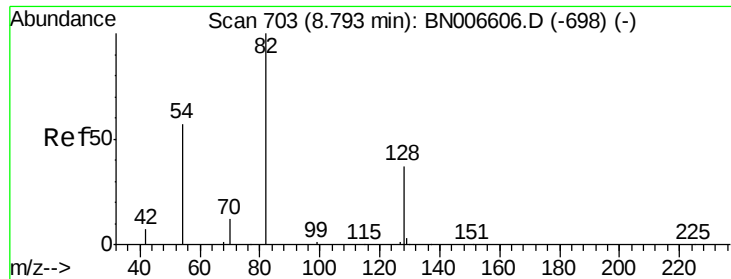
Delta R.T. 0.00 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Tgt Ion:	136	Resp:	16847
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.3	13.9
54	7.6	6.7	10.1
68	6.2	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.235 ng

RT: 8.79 min Scan# 703

Delta R.T. 0.00 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Instrument :

BNA_N

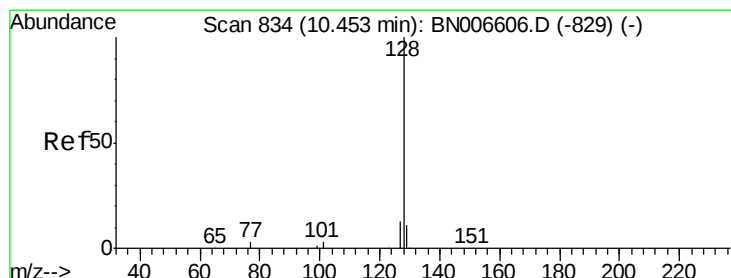
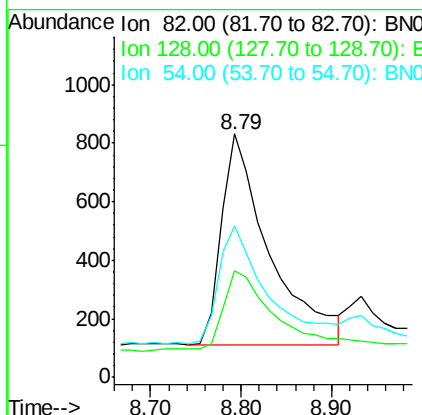
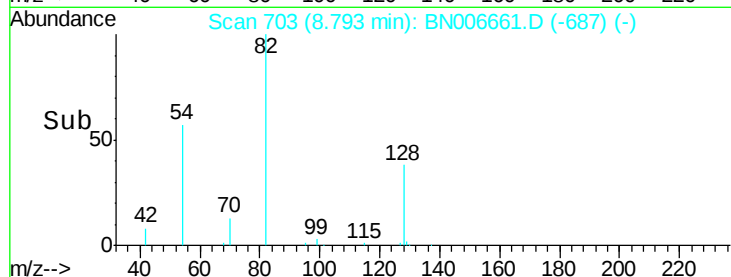
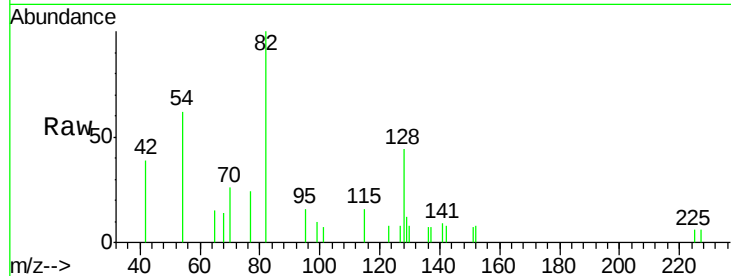
ClientSampleId :

EXT-029-SW158-062019

Tot Ion:	82	Resp:	2661
Ion	Ratio	Lower	Upper
82	100		
128	44.0	32.6	49.0
54	62.4	48.2	72.4

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#9

Naphthalene

Concen: 0.073 ng

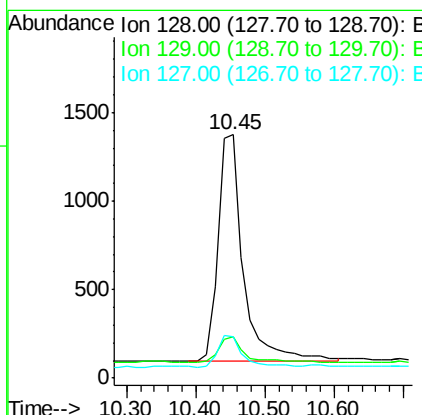
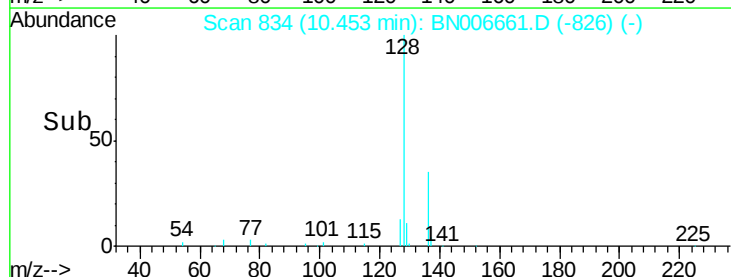
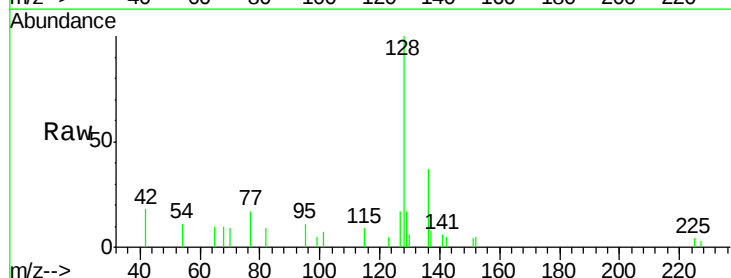
RT: 10.45 min Scan# 834

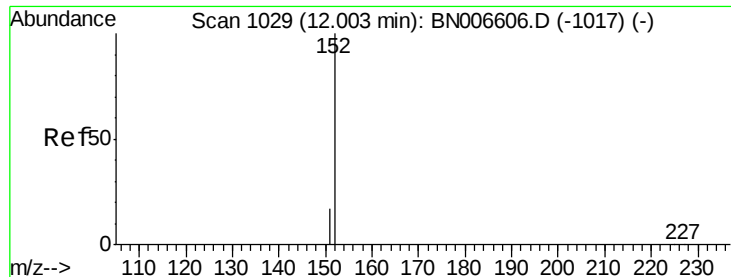
Delta R.T. 0.00 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Tgt Ion:	128	Resp:	3224
Ion	Ratio	Lower	Upper
128	100		
129	16.9	9.3	13.9#
127	17.0	10.8	16.2#





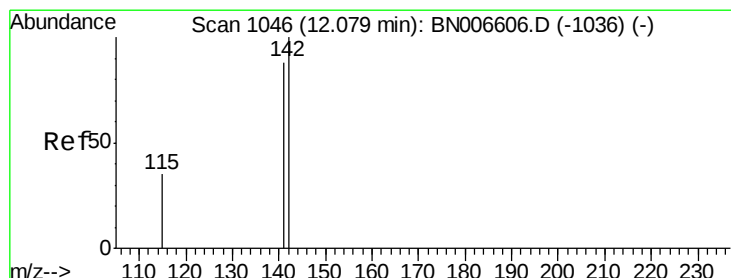
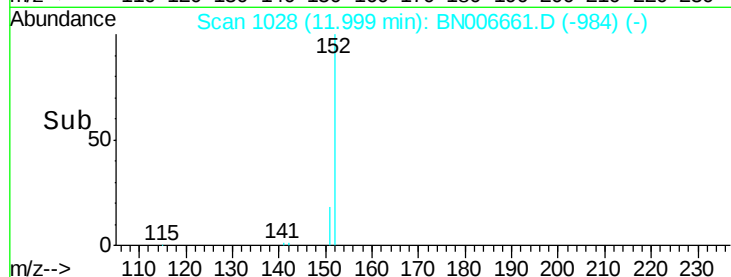
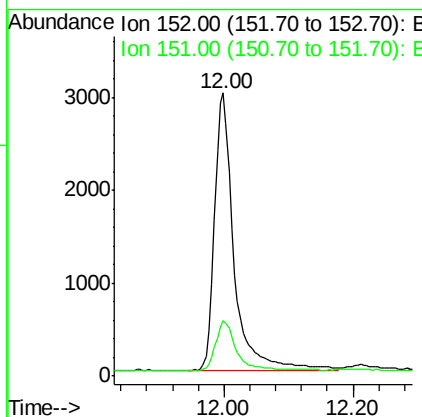
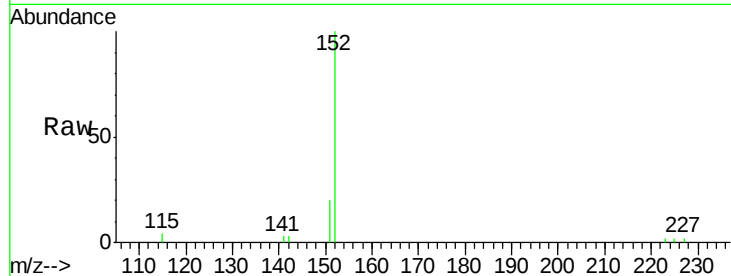
#11
2-Methylnaphthalene-d10
Concen: 0.235 ng
RT: 12.00 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion:152 Resp: 6226
Ion Ratio Lower Upper
152 100
151 19.1 15.0 22.4

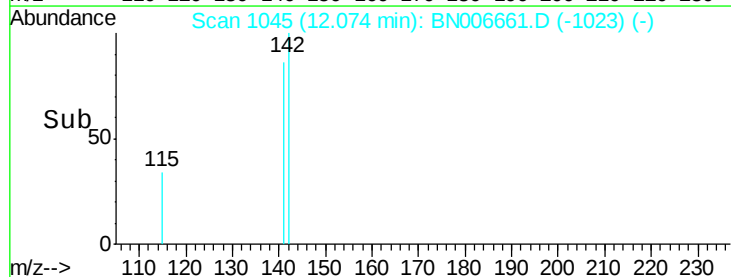
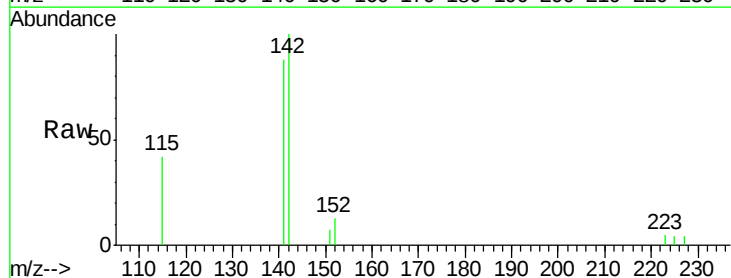
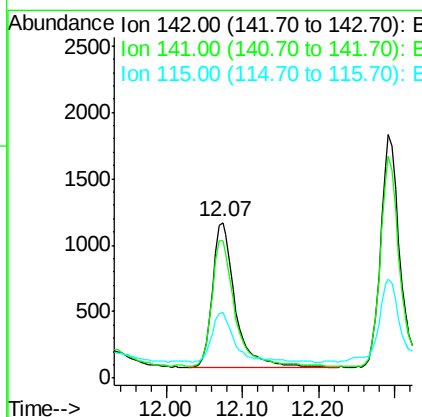
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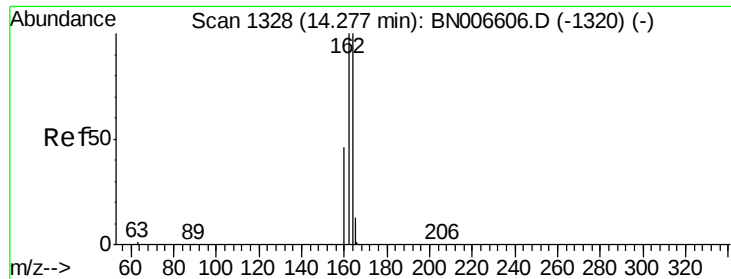
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#12
2-Methylnaphthalene
Concen: 0.075 ng
RT: 12.07 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion:142 Resp: 2288
Ion Ratio Lower Upper
142 100
141 88.1 70.2 105.4
115 42.4 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: BN006661.D

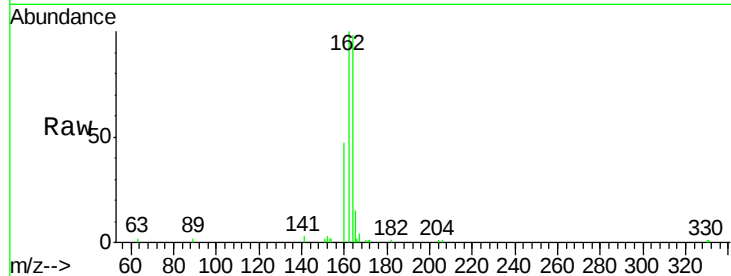
Acq: 01 Jul 2019 15:19

Instrument :

BNA_N

ClientSampleId :

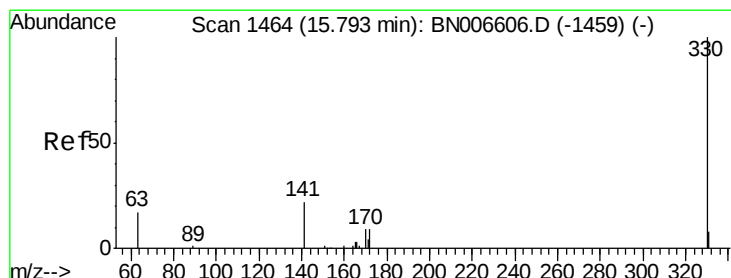
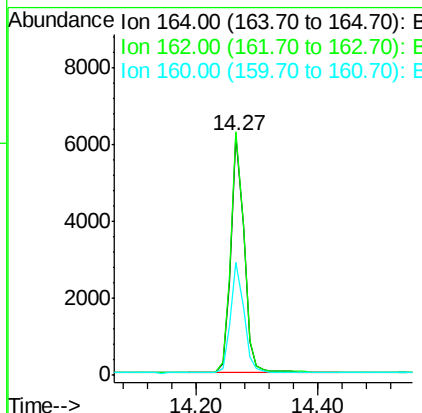
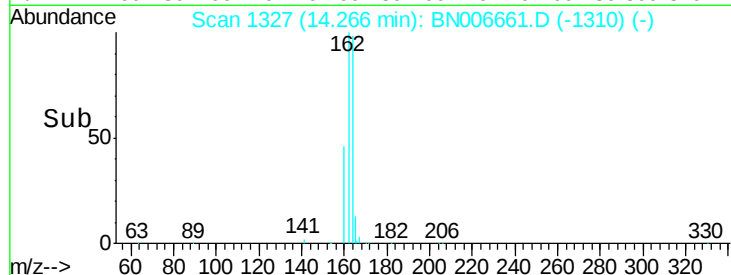
EXT-029-SW158-062019



Tot Ion:	164	Resp:	9272
Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.0	120.0
160	47.5	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.255 ng

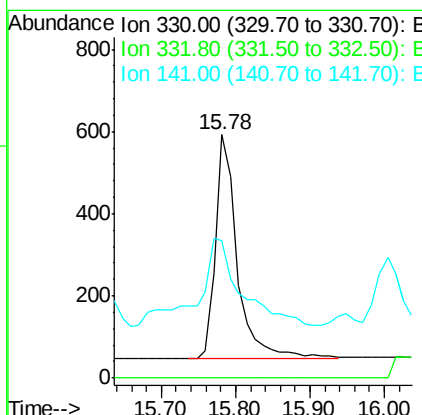
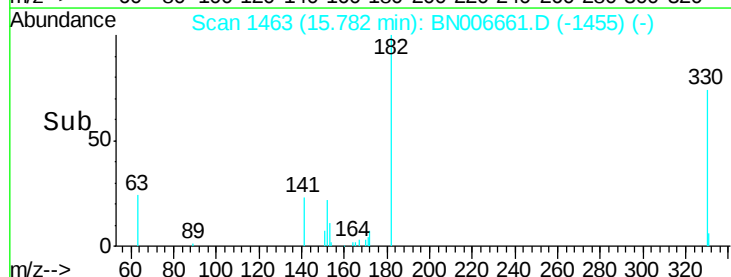
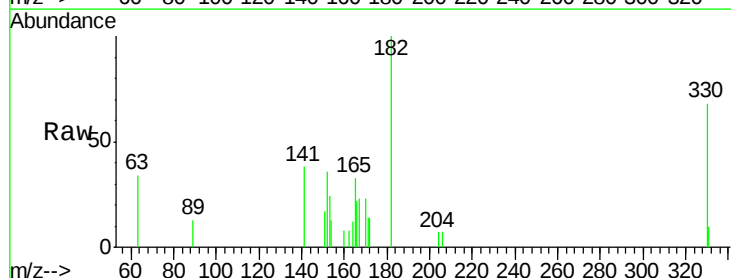
RT: 15.78 min Scan# 1463

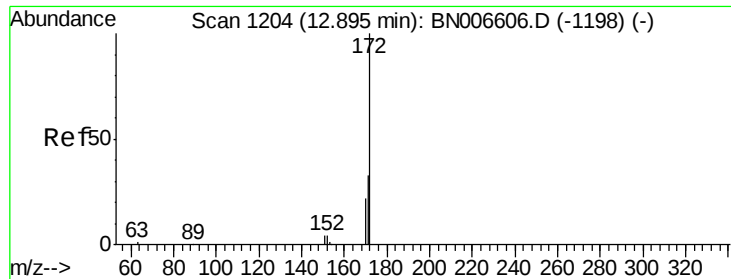
Delta R.T. -0.01 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Tgt Ion:	330	Resp:	1113
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	69.0	26.5	39.7#





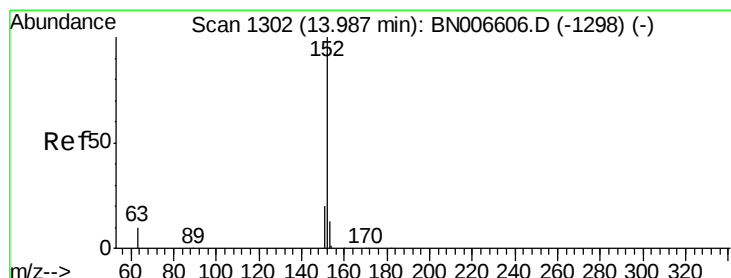
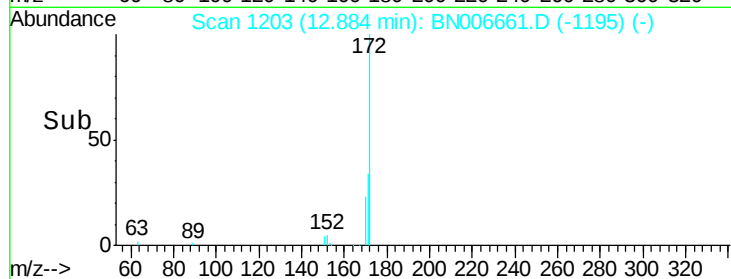
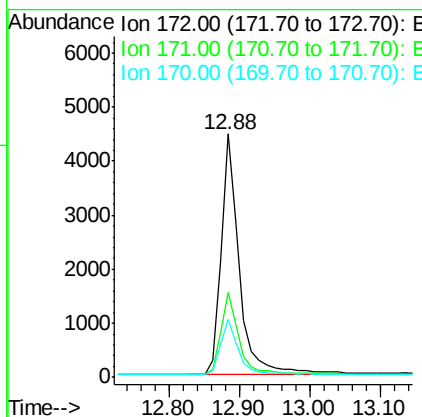
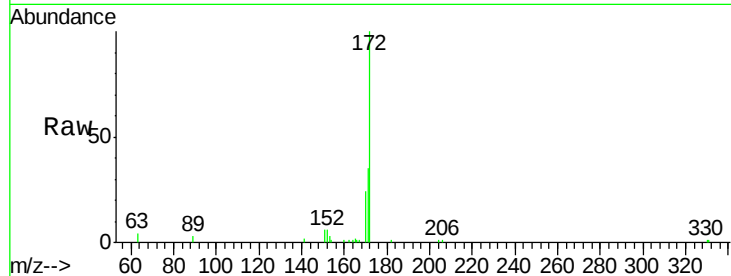
#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.0	40.4
170	23.8	17.7	26.5

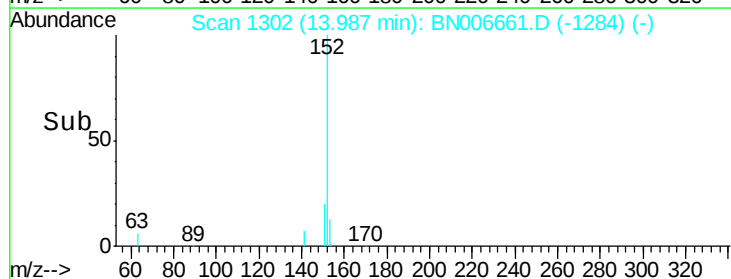
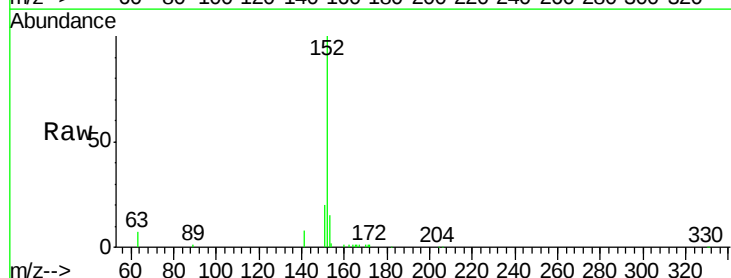
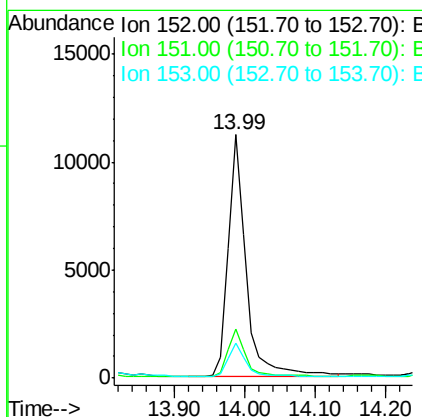
Manual Integrations
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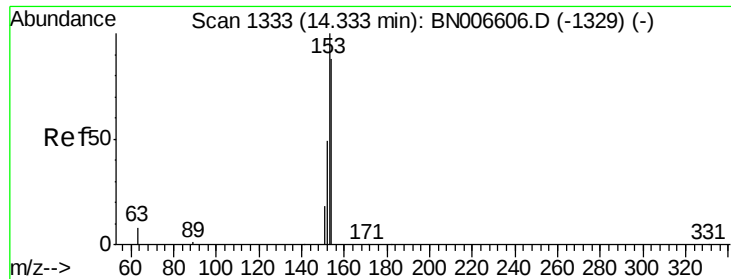
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#16
Acenaphthylene
Concen: 0.453 ng
RT: 13.99 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.6	23.4
153	13.5	10.5	15.7





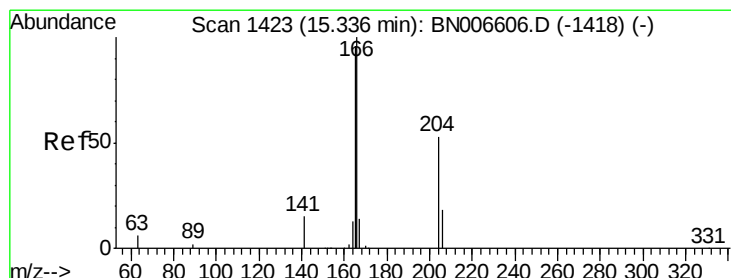
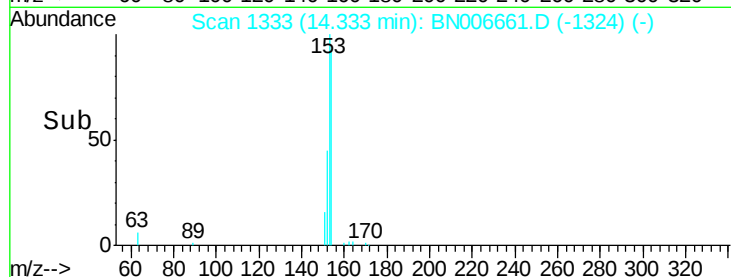
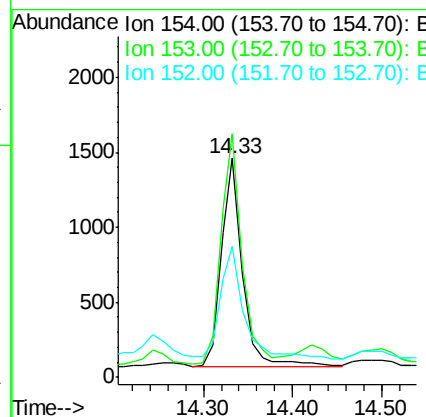
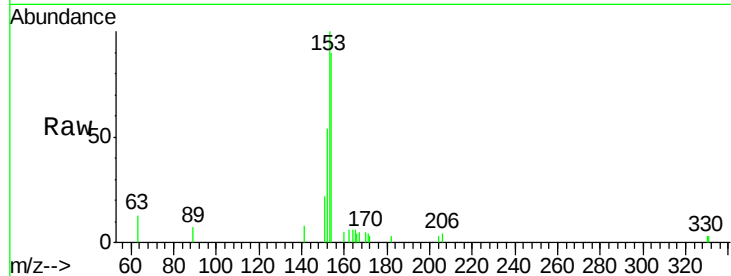
#17
Acenaphthene
Concen: 0.079 ng
RT: 14.33 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.8	90.2	135.4
152	60.8	44.2	66.4

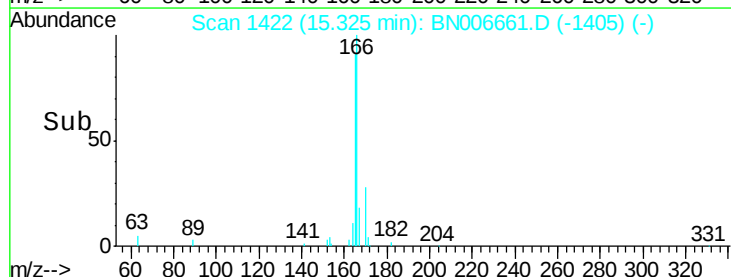
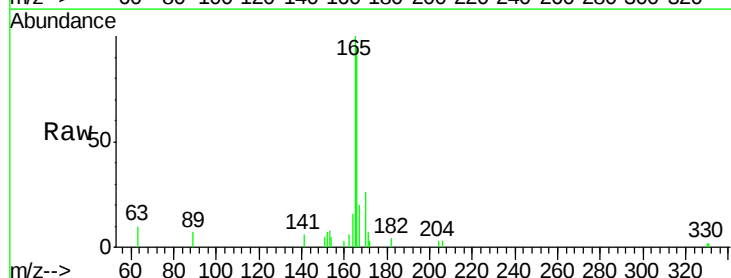
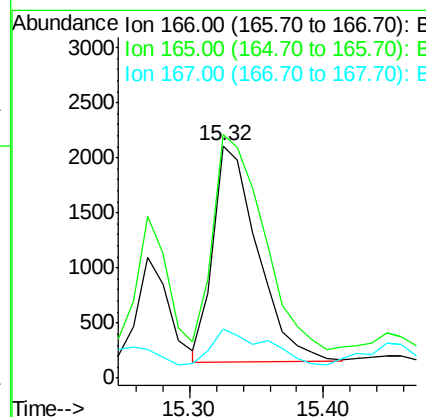
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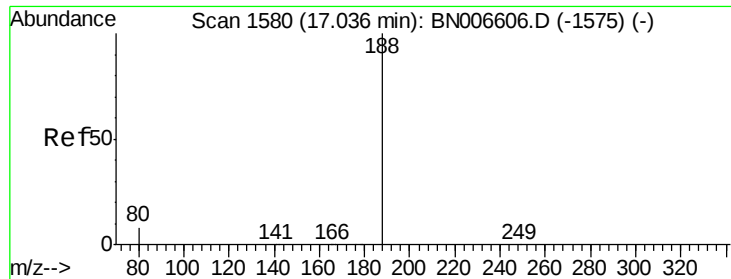
mohammad
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#18
Fluorene
Concen: 0.124 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.5	78.4	117.6
167	19.5	10.8	16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Instrument :

BNA_N

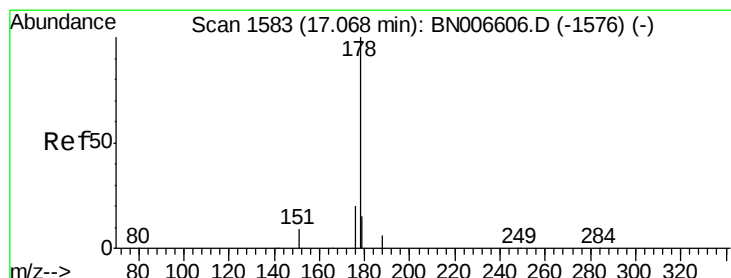
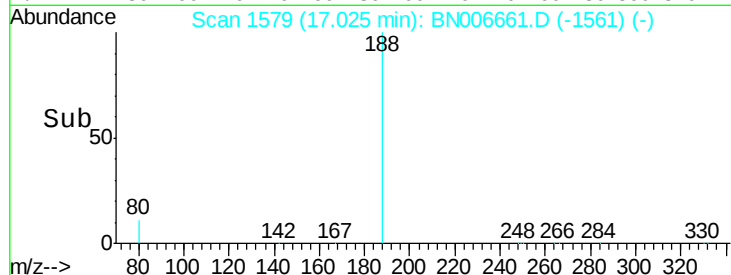
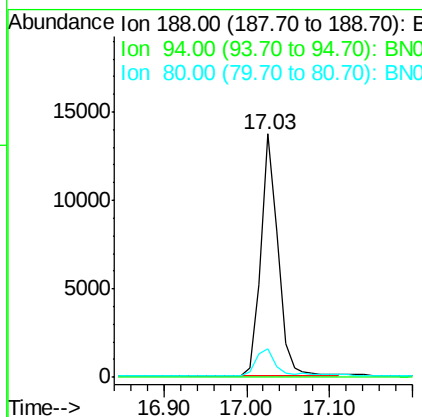
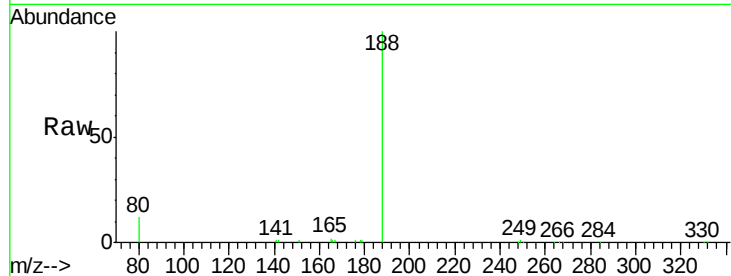
ClientSampleId :

EXT-029-SW158-062019

Tot Ion:	188	Resp:	19510
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.6	7.1	10.7#

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#23

Phenanthrene

Concen: 1.891 ng

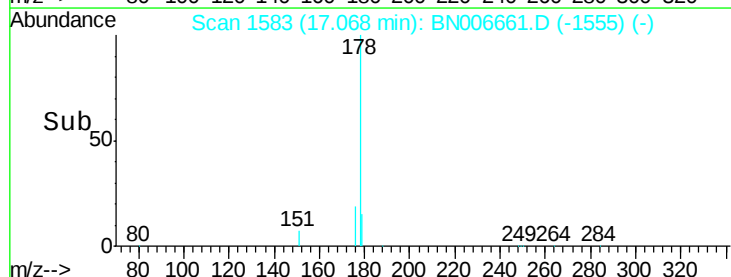
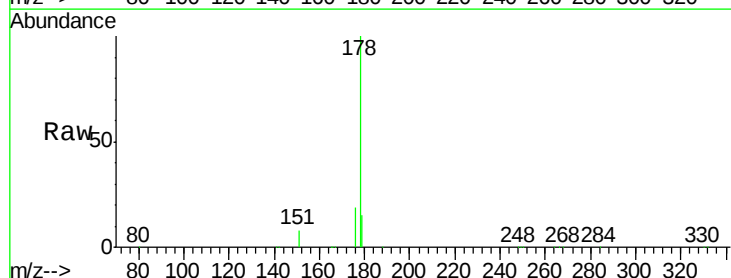
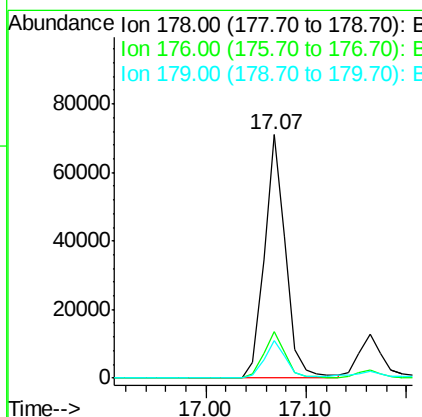
RT: 17.07 min Scan# 1583

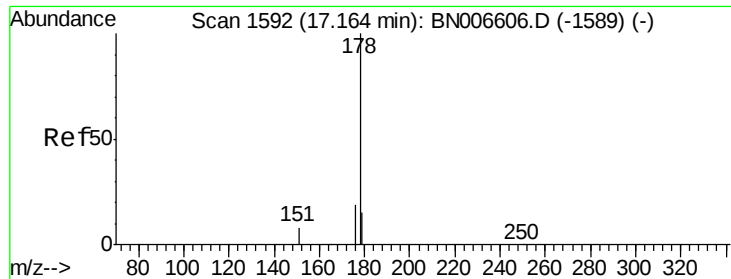
Delta R.T. 0.00 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Tgt Ion:	178	Resp:	104924
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.3	22.9
179	15.3	12.2	18.4





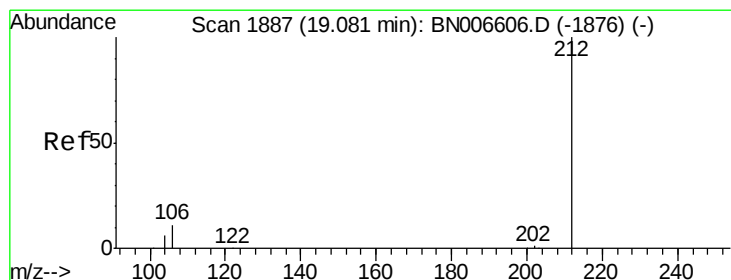
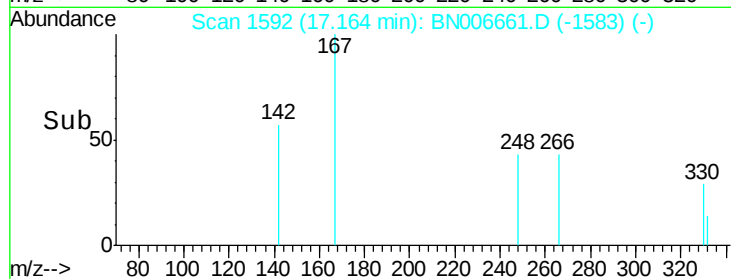
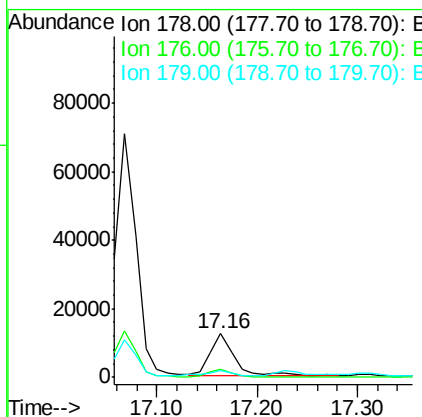
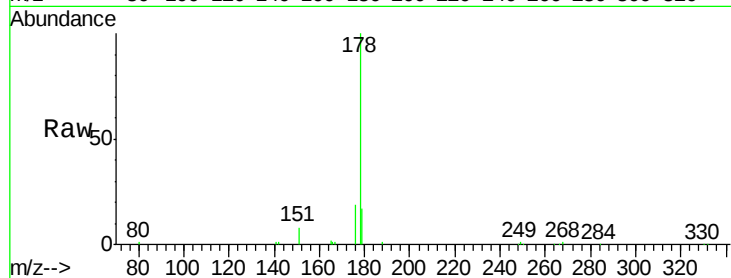
#24
 Anthracene
 Concen: 0.410 ng
 RT: 17.16 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BN006661.D
 Acq: 01 Jul 2019 15:19

Instrument :
 BNA_N
 ClientSampleId :
 EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	14.8	12.2	18.2

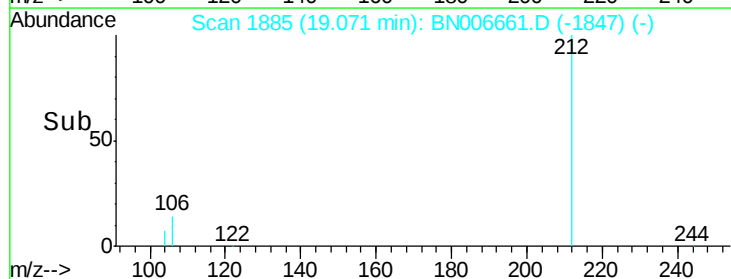
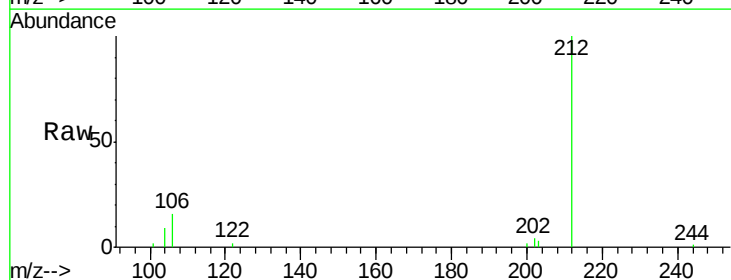
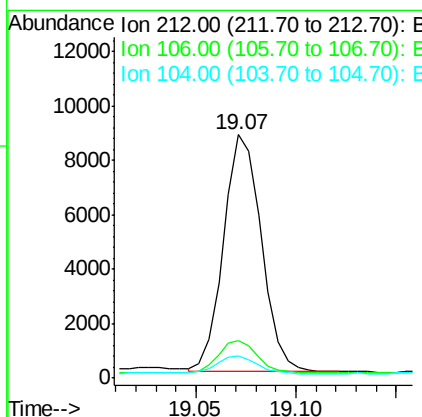
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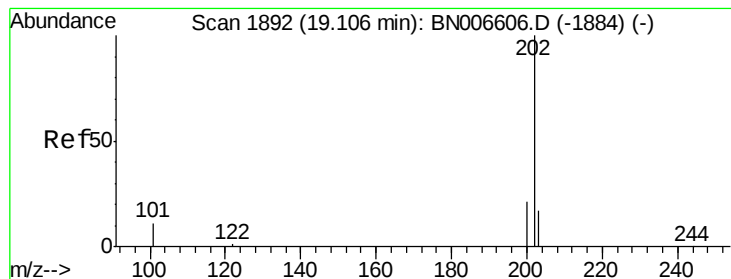
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.199 ng
 RT: 19.07 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN006661.D
 Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.1	10.6	15.8
104	8.0	5.8	8.6





#26

Fluoranthene

Concen: 2.554 ng

RT: 19.11 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Instrument :

BNA_N

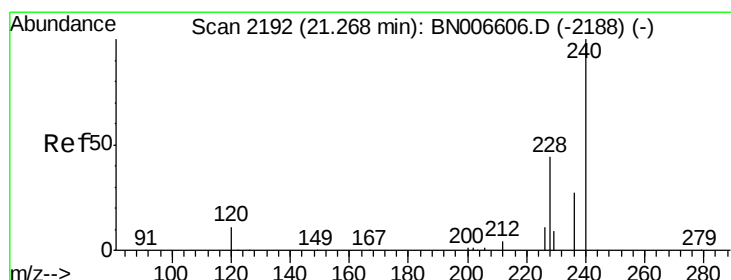
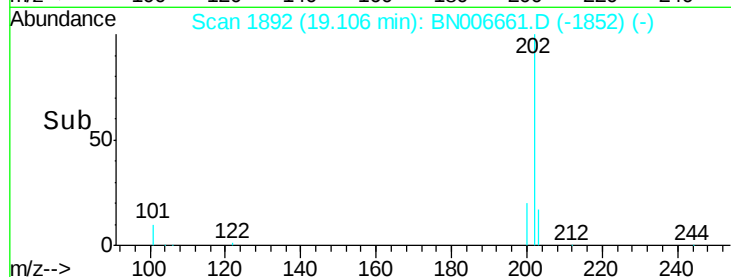
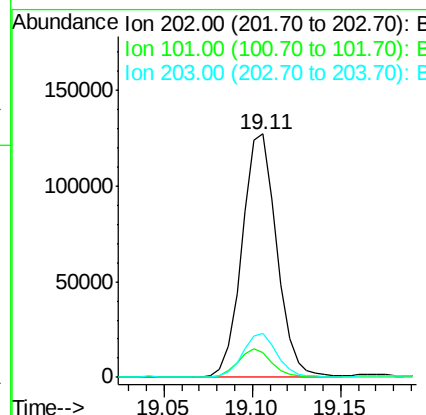
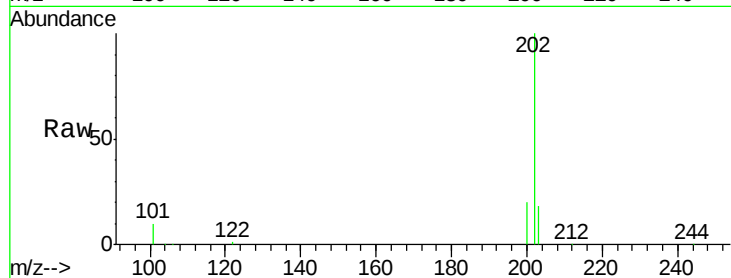
ClientSampleId :

EXT-029-SW158-062019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	172175		
101	11.4	8.9	13.3	
203	17.6	13.6	20.4	

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#27

Chrysene-d12

Concen: 0.400 ng

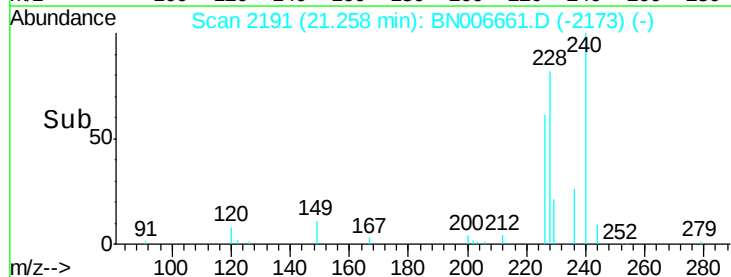
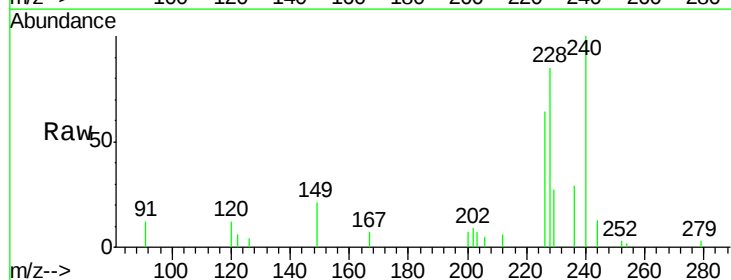
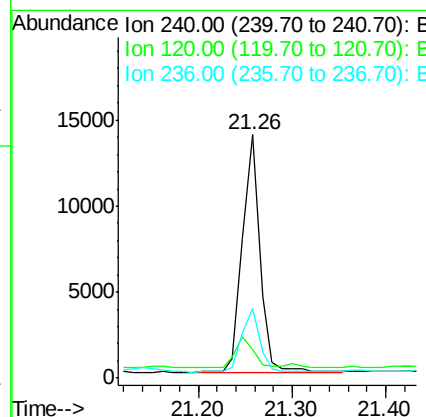
RT: 21.26 min Scan# 2191

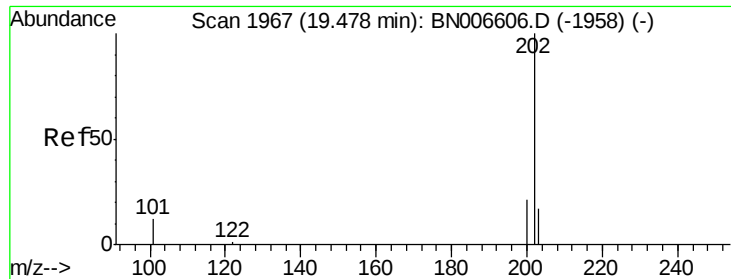
Delta R.T. -0.01 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	18028		
120	11.5	9.9	14.9	
236	28.8	22.2	33.4	





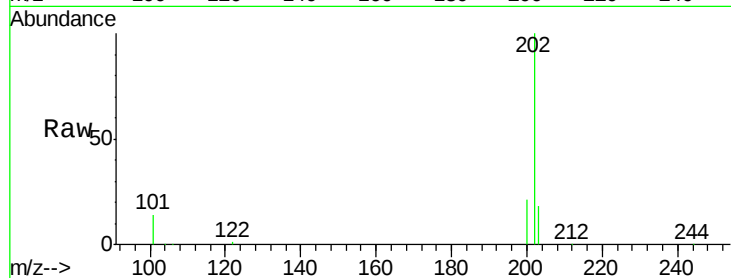
#28
Pvrene
Concen: 2.994 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

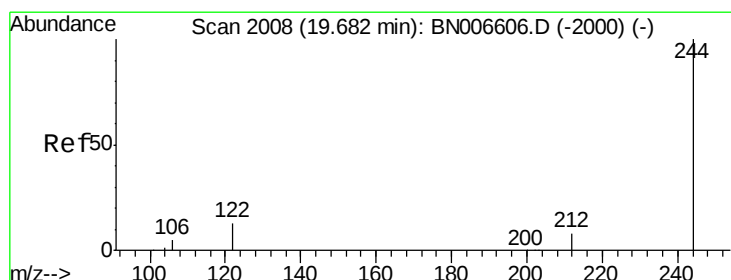
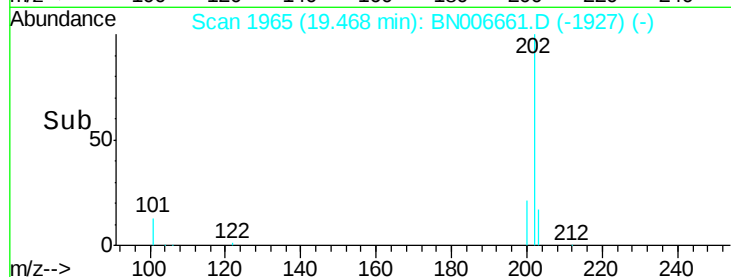
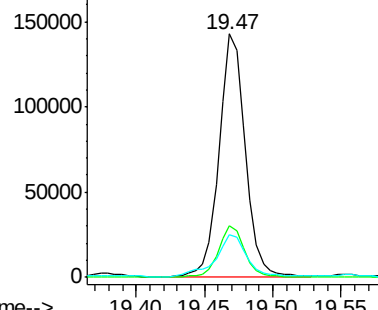
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	16.7	25.1
203	20.4	14.1	21.1

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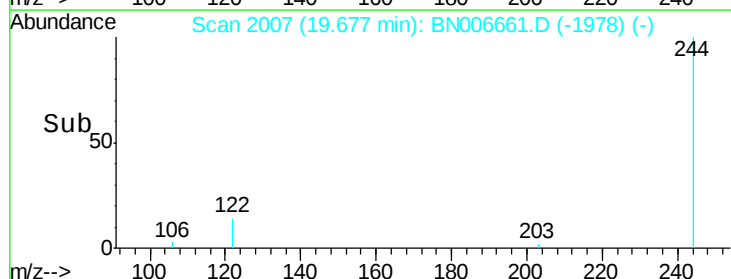
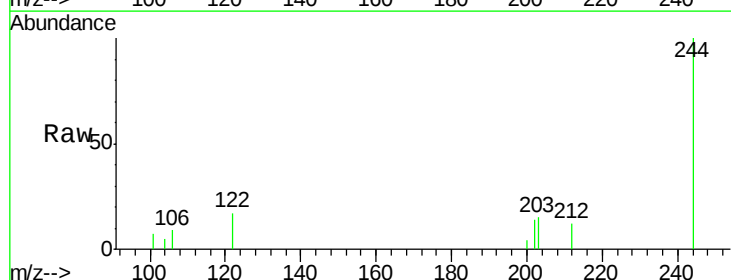
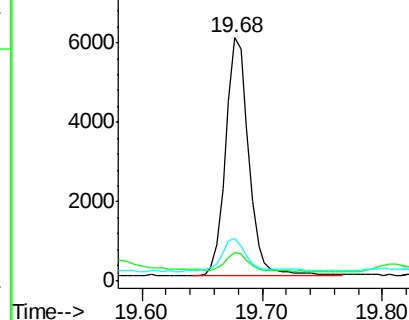
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

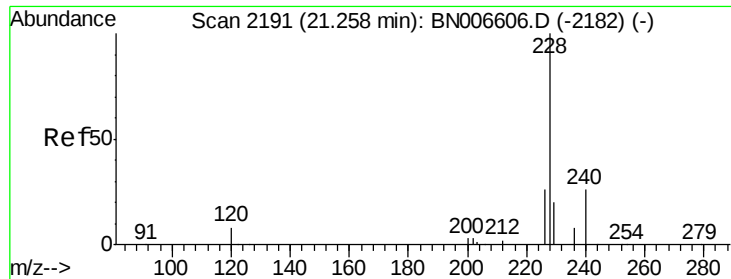


#29
Terphenyl-d14
Concen: 0.212 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	11.8	6.7	10.1#
122	17.4	11.0	16.6#

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





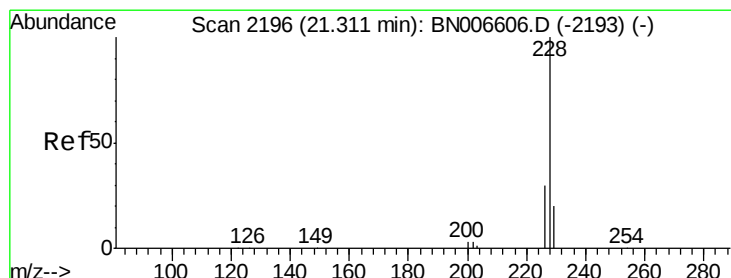
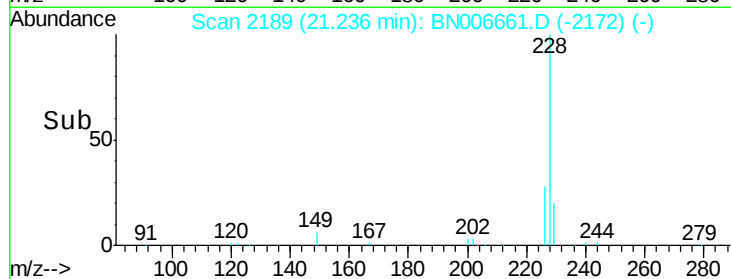
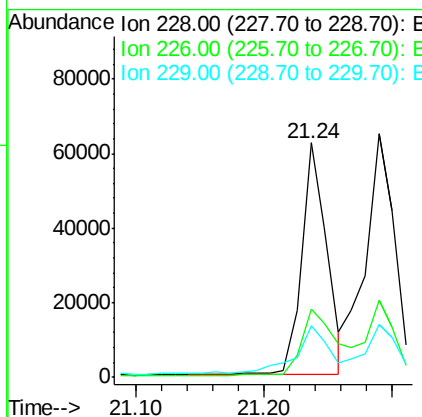
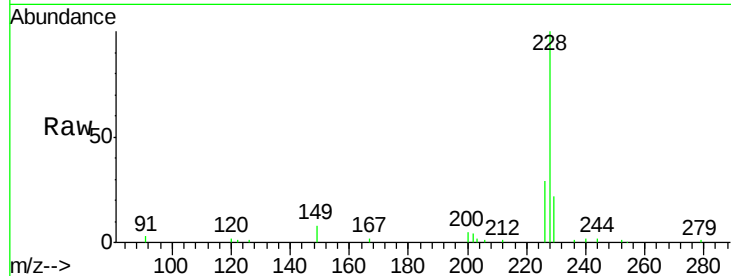
#30
Benzo(a)anthracene
Concen: 1.437 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.2	31.8
229	21.9	16.1	24.1

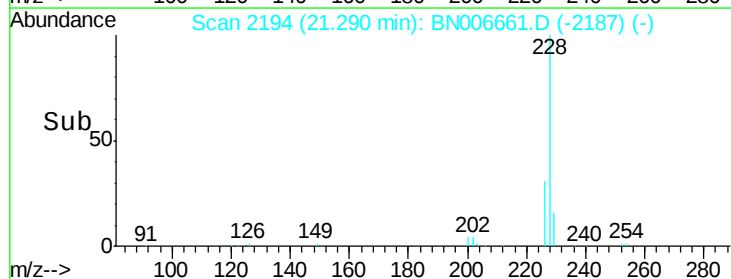
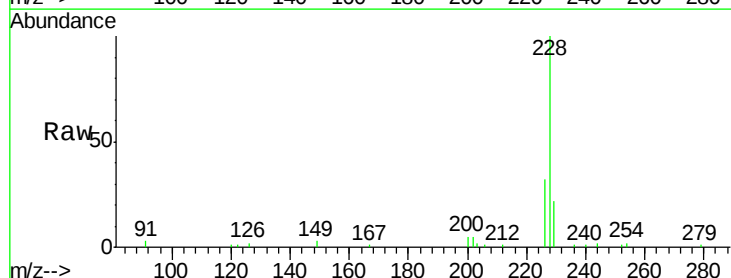
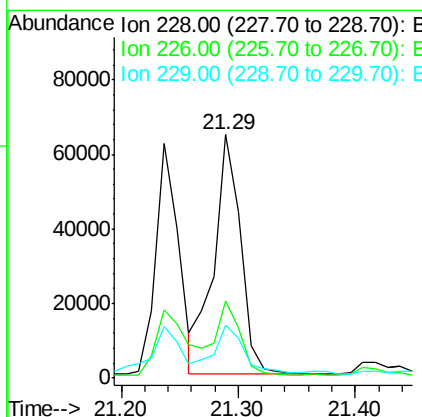
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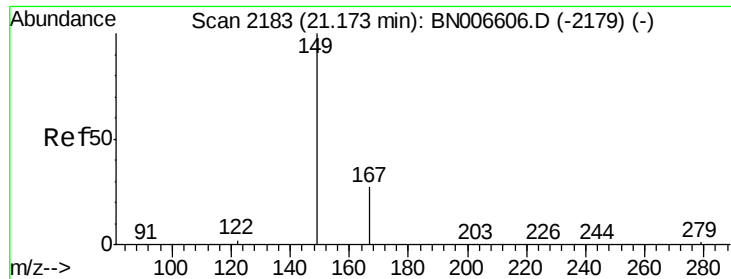
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#31
Chrysene
Concen: 1.627 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.8	35.6
229	21.9	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 7.075 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Instrument :

BNA_N

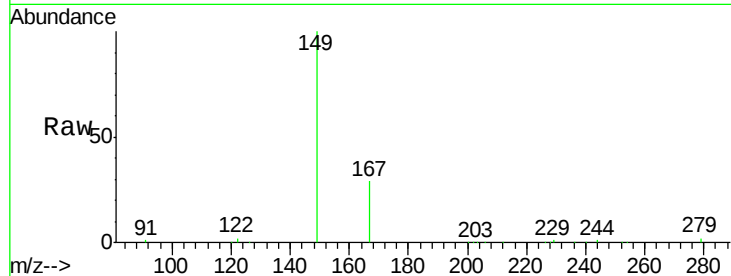
ClientSampleId :

EXT-029-SW158-062019

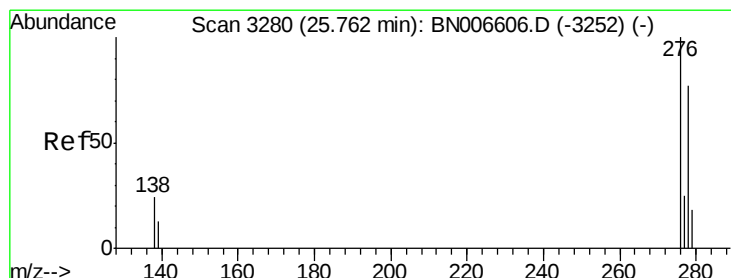
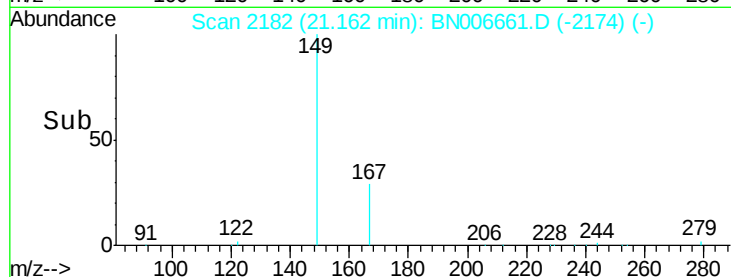
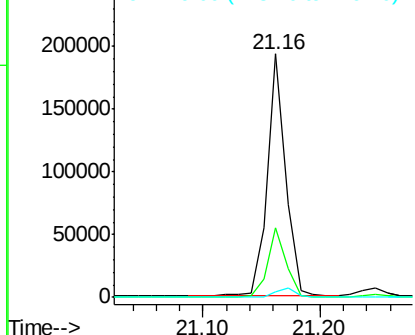
Tot Ion:	149	Resp:	209887
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.9	34.3
279	3.9	3.3	4.9

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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: 0.875 ng

RT: 25.73 min Scan# 3270

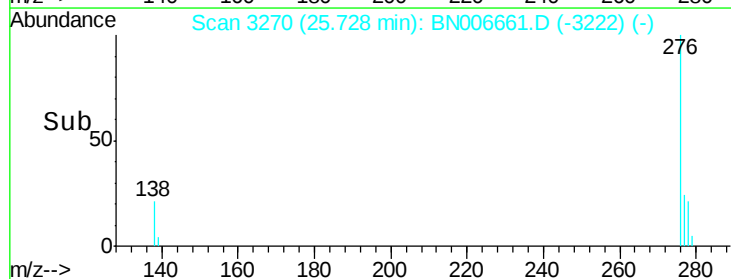
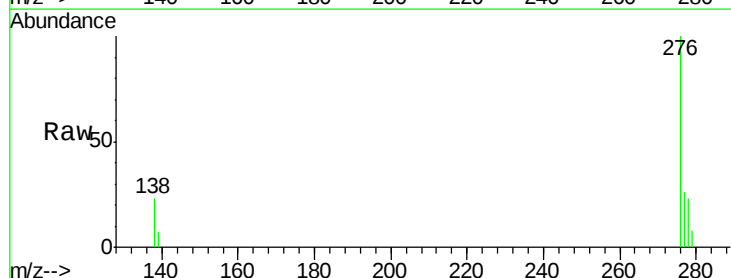
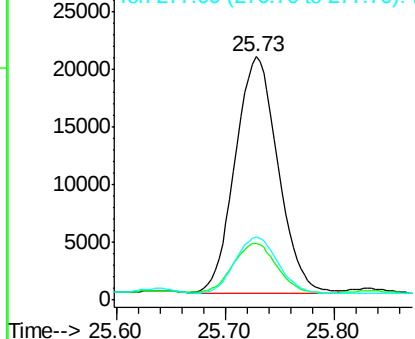
Delta R.T. -0.03 min

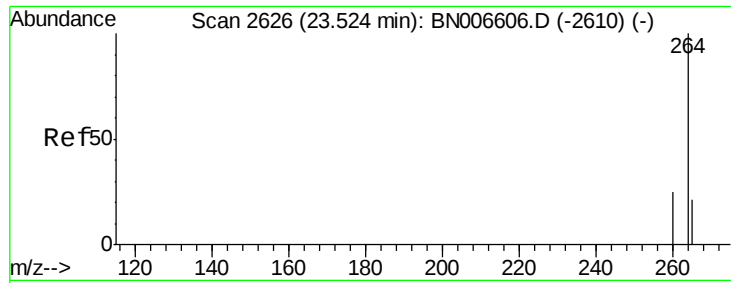
Lab File: BN006661.D

Acq: 01 Jul 2019 15:19

Tgt Ion:	276	Resp:	56270
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.3	28.9
277	24.0	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





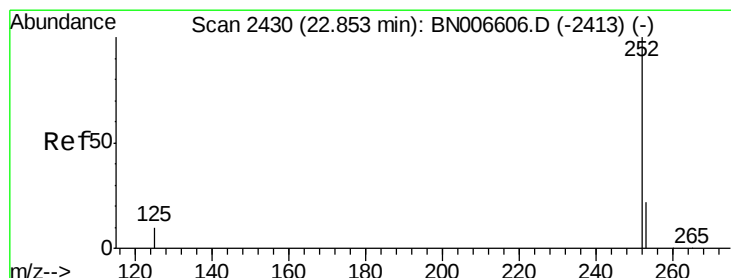
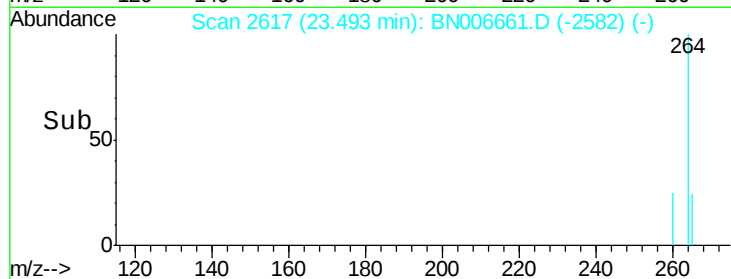
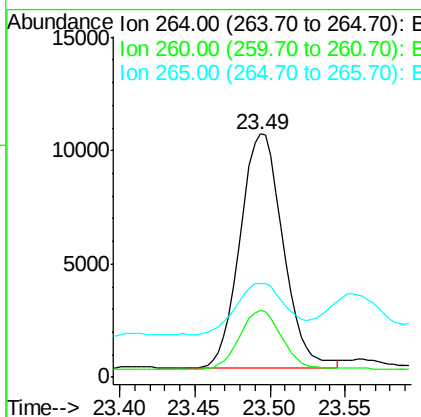
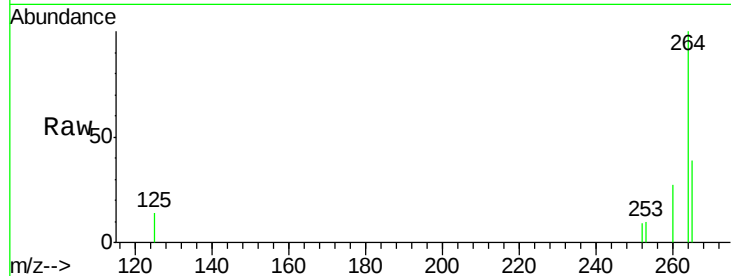
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2617
Delta R.T. -0.03 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.5	20.2	30.2
265	38.7	23.3	34.9

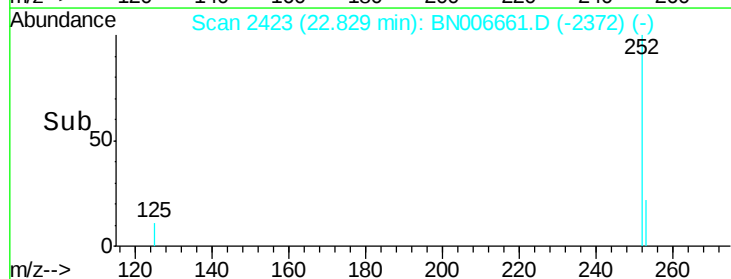
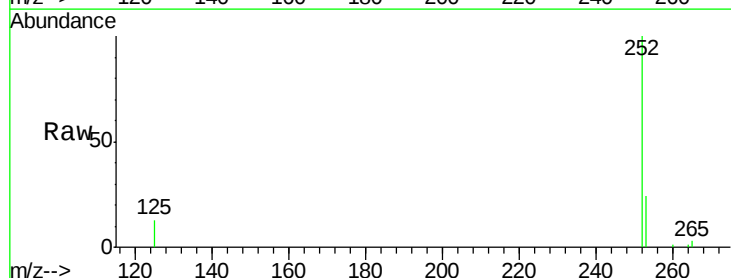
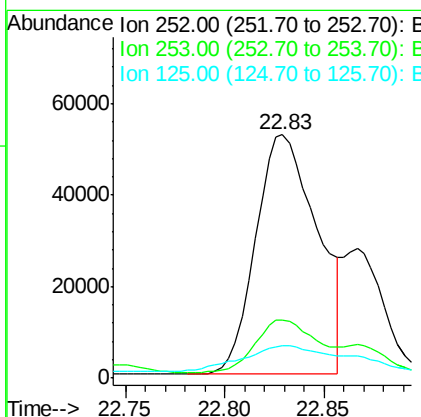
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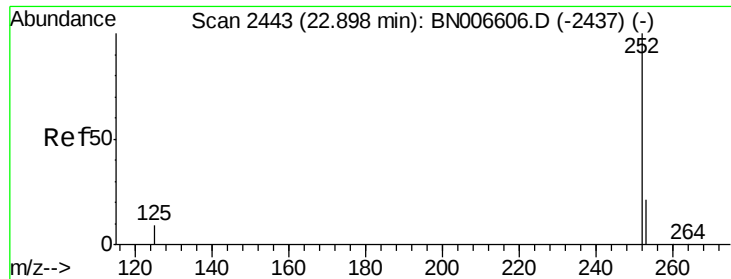
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#35
Benzo(b)fluoranthene
Concen: 1.646 ng
RT: 22.83 min Scan# 2423
Delta R.T. -0.02 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	13.3	8.7	13.1





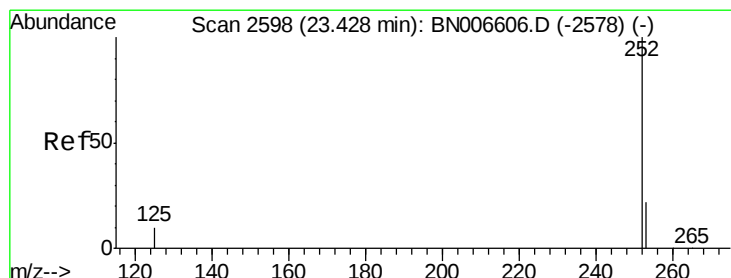
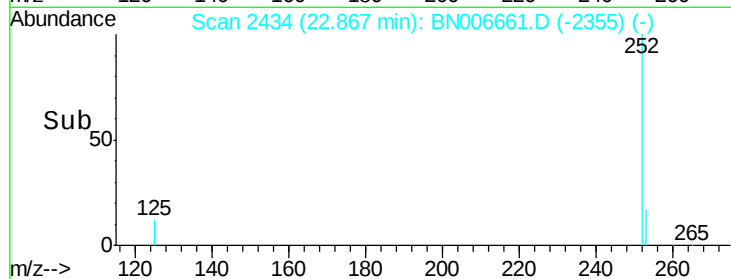
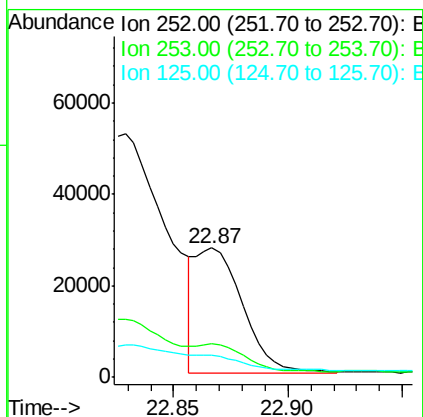
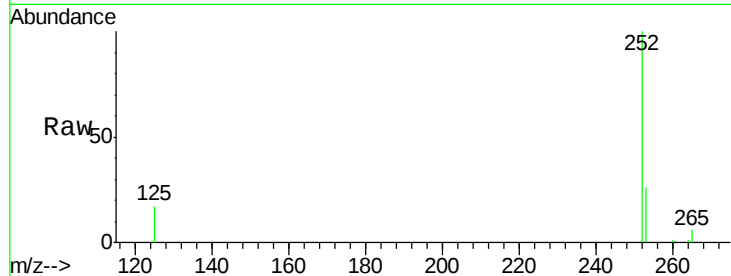
#36
Benzo(k)fluoranthene
Concen: 0.536 ng m
RT: 22.87 min Scan# 2434
Delta R.T. -0.03 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.3	27.5
125	16.9	8.4	12.6

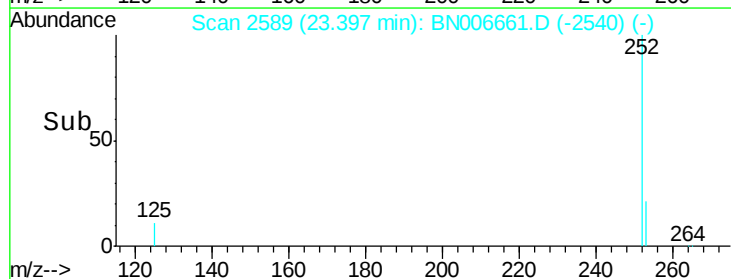
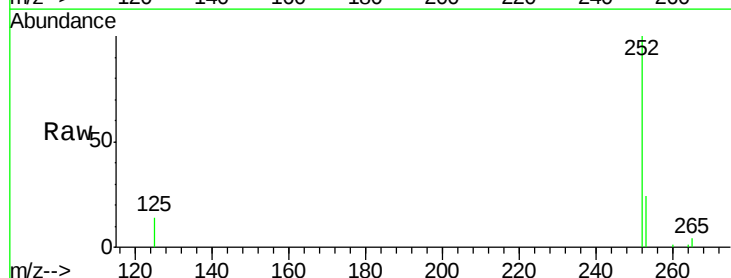
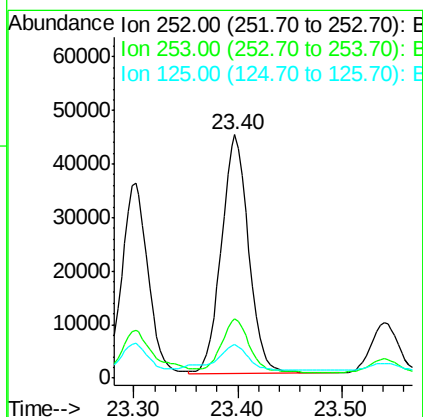
Manual Integrations
APPROVED

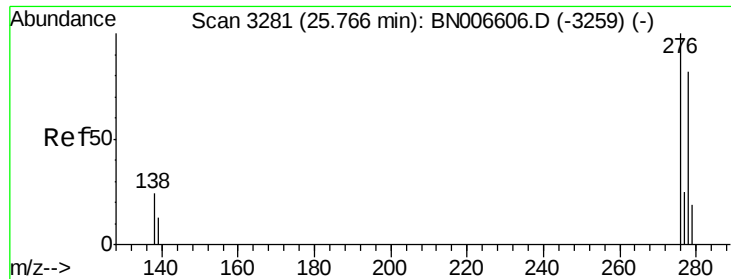
mohammad
7/2/2019 2:52:20 PM



#37
Benzo(a)pyrene
Concen: 1.259 ng
RT: 23.40 min Scan# 2589
Delta R.T. -0.03 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.8	28.2
125	13.8	9.4	14.2





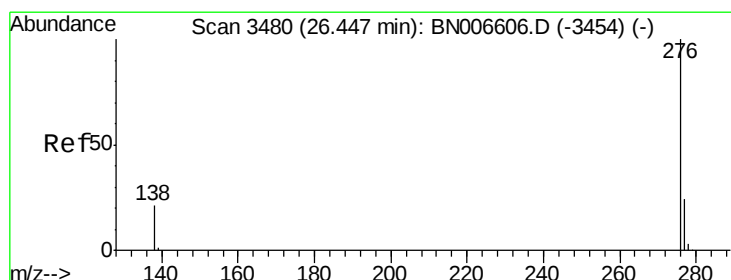
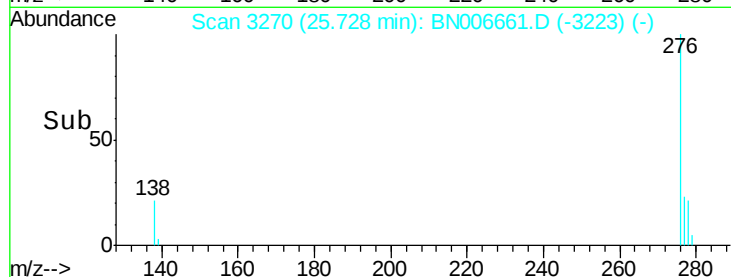
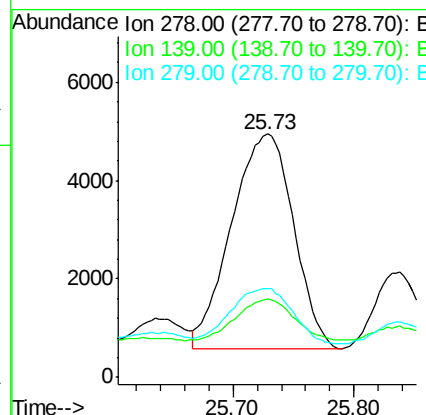
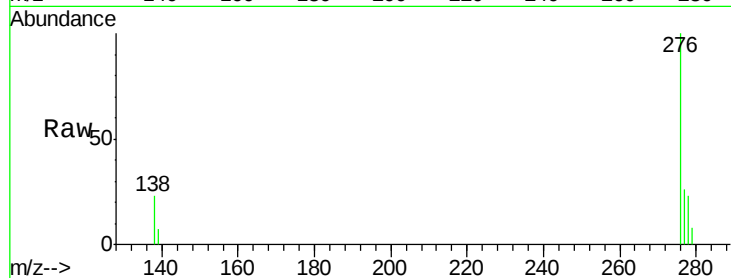
#38
Dibenzo(a,h)anthracene
Concen: 0.277 ng
RT: 25.73 min Scan# 3270
Delta R.T. -0.04 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-029-SW158-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.0	13.5	20.3#
279	36.2	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:20 PM



#39
Benzo(g,h,i)perylene
Concen: 1.043 ng
RT: 26.42 min Scan# 3471
Delta R.T. -0.03 min
Lab File: BN006661.D
Acq: 01 Jul 2019 15:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.6	29.4
138	23.6	17.7	26.5

