

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006653.D
 Acq On : 01 Jul 2019 09:13
 Operator : HP/JU
 Sample : K3504-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-B213-062019

Manual Integrations
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Quant Time: Jul 02 05:16:14 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	4249	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	16107	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9182	0.40	ng	-0.01
19) Phenanthrene-d10	17.02	188	21358	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	20508	0.40	ng	-0.01
34) Perylene-d12	23.51	264	22804	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	4314	0.41	ng	0.00
5) Phenol-d6	6.82	99	5826	0.42	ng	0.00
8) Nitrobenzene-d5	8.81	82	3680	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	12.00	152	9145	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	1596	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.88	172	12204	0.36	ng	-0.01
25) Fluoranthene-d10	19.08	212	21143	0.34	ng	0.00
29) Terphenyl-d14	19.68	244	15155	0.35	ng	0.00
Target Compounds						
9) Naphthalene	10.45	128	1772	0.042	ng	# 84
12) 2-Methylnaphthalene	12.08	142	1006	0.034	ng	# 94
16) Acenaphthylene	13.99	152	10044	0.229	ng	99
18) Fluorene	15.34	166	1423	0.039	ng	# 81
23) Phenanthrene	17.07	178	25813	0.425	ng	99
24) Anthracene	17.16	178	7124	0.135	ng	# 94
26) Fluoranthene	19.11	202	56013	0.759	ng	99
28) Pyrene	19.47	202	70691	0.985	ng	97
30) Benzo(a)anthracene	21.25	228	35542	0.530	ng	95
31) Chrysene	21.30	228	38320	0.530	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	7249	0.215	ng	98
33) Indeno(1,2,3-cd)pyrene	25.74	276	20631	0.282	ng	96
35) Benzo(b)fluoranthene	22.84	252	46572	0.600	ng	# 96
36) Benzo(k)fluoranthene	22.88	252	13770m	0.167	ng	
37) Benzo(a)pyrene	23.41	252	31820	0.439	ng	96
38) Dibenzo(a,h)anthracene	25.74	278	5950	0.094	ng	# 69
39) Benzo(a,h,i)perylene	26.42	276	22465	0.355	ng	98

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

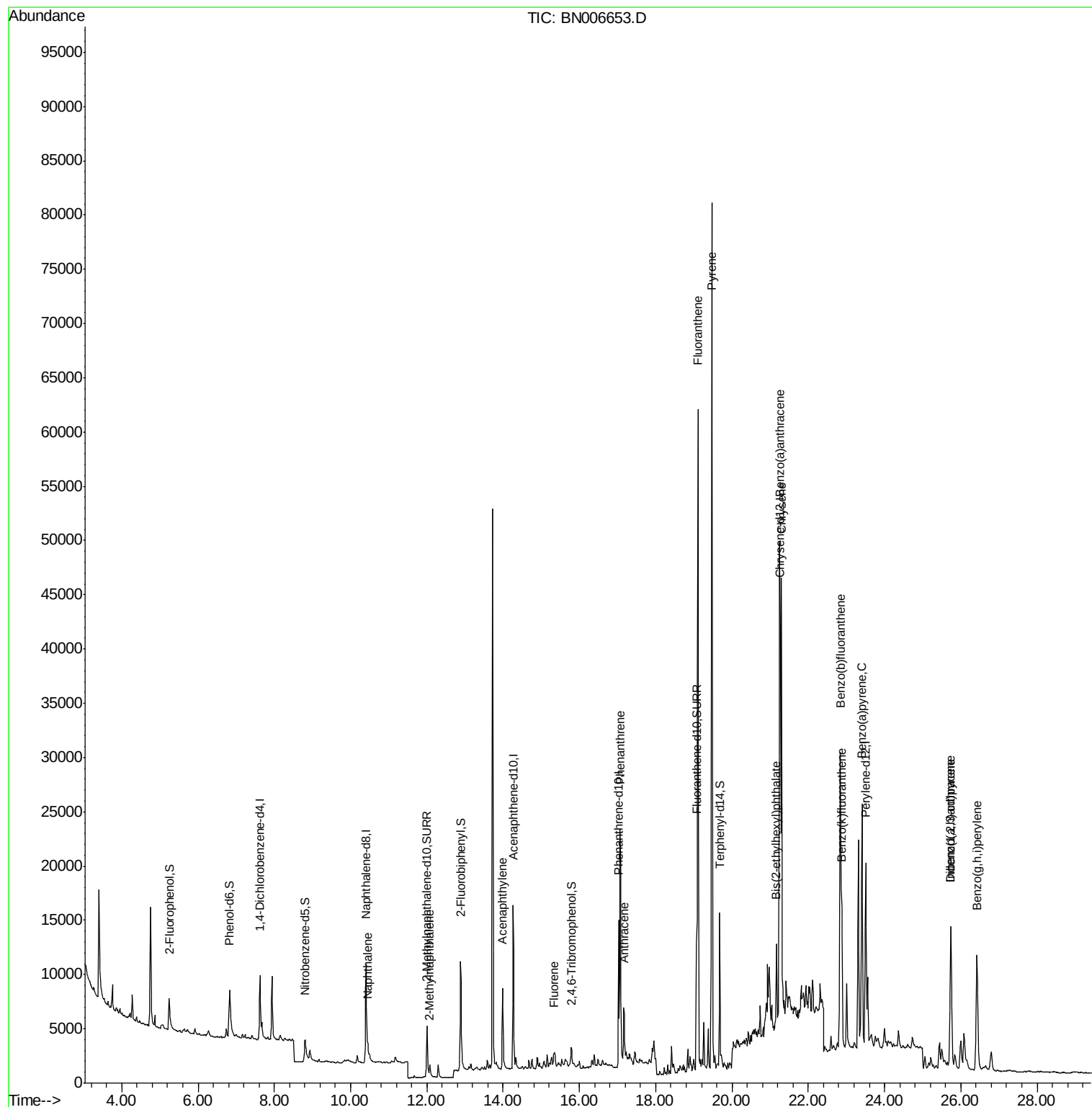
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006653.D
Acq On : 01 Jul 2019 09:13
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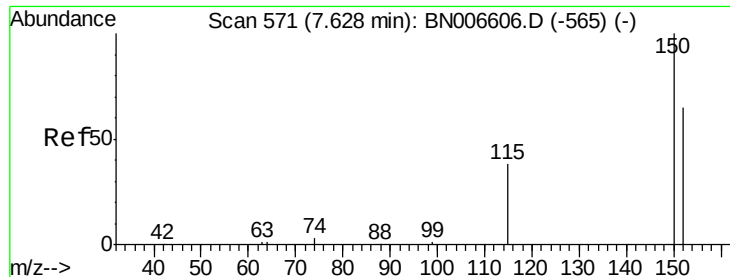
Instrument :
BNA_N
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PST-013-B213-062019

Quant Time: Jul 02 05:16:14 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

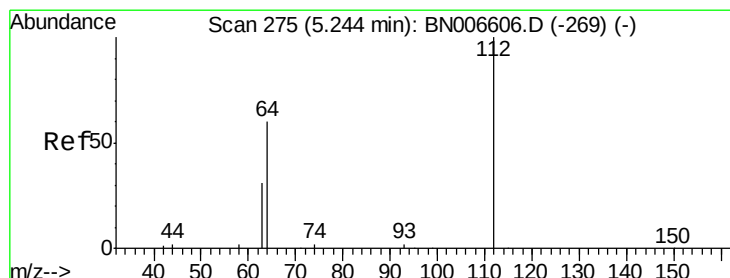
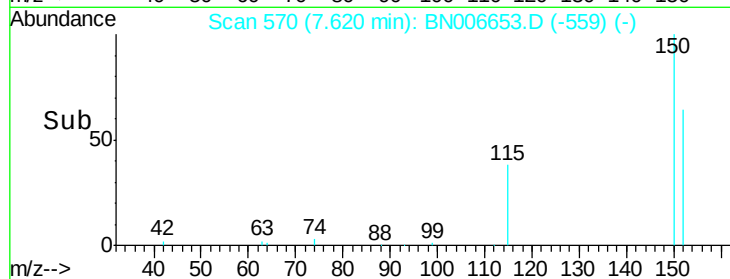
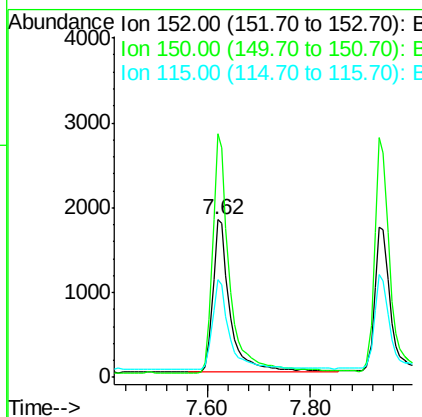
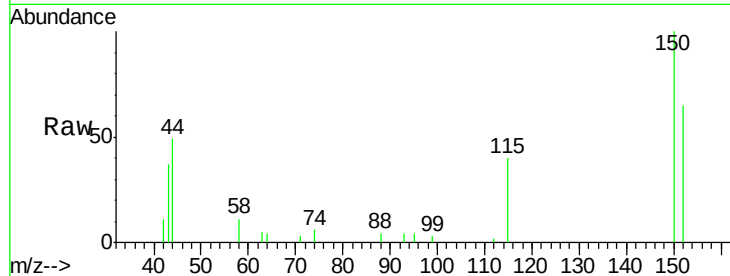
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.2	183.2
115	62.4	50.0	75.0

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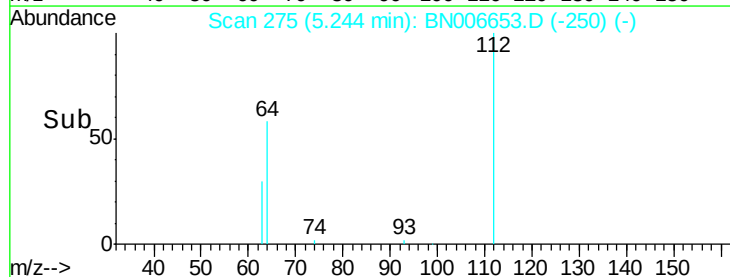
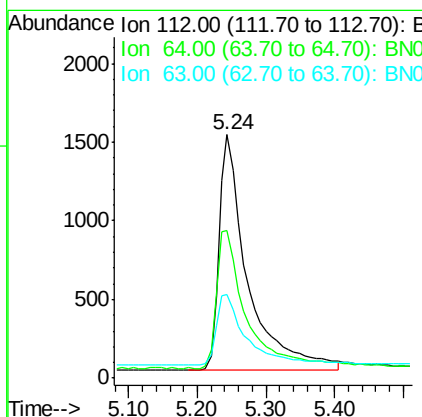
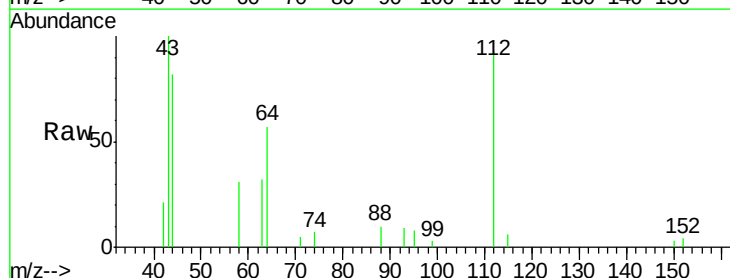
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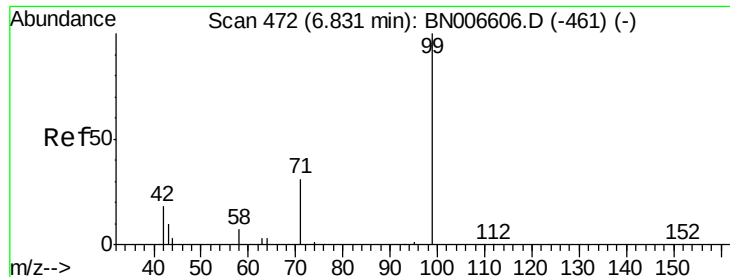


#4

2-Fluorophenol
Concen: 0.414 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	48.9	73.3
63	32.3	24.3	36.5





#5

Phenol-d6

Concen: 0.422 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Instrument :

BNA_N

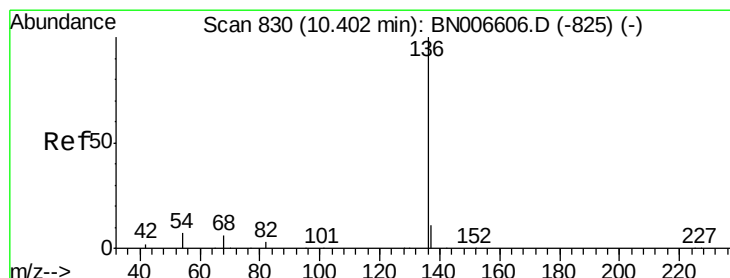
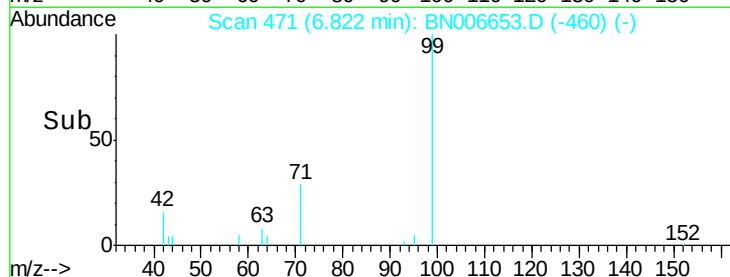
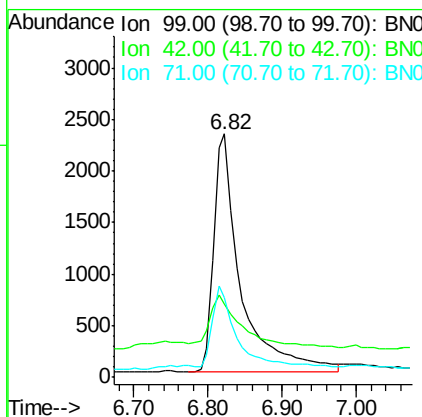
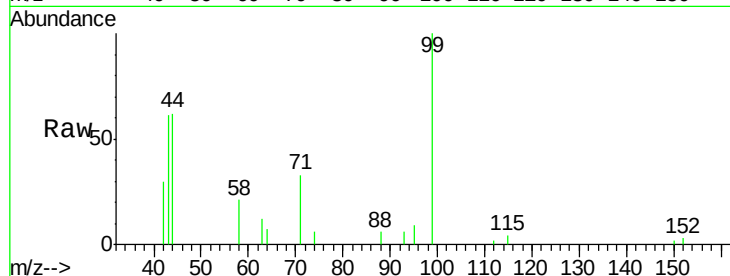
ClientSampleId :

PST-013-B213-062019

Tot Ion:	99	Resp:	5826
Ion	Ratio	Lower	Upper
99	100		
42	26.0	16.4	24.6#
71	29.9	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

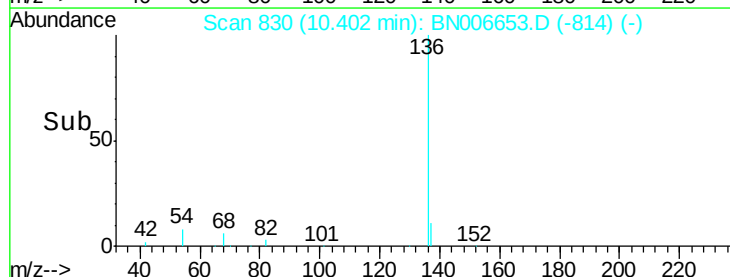
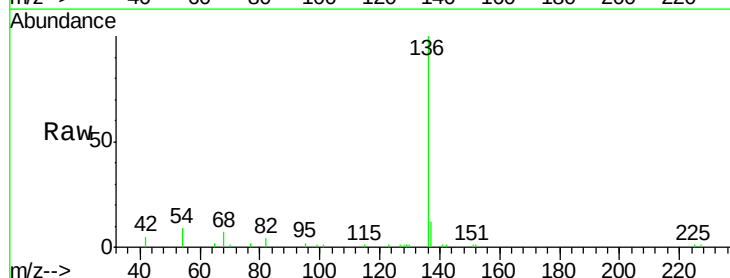
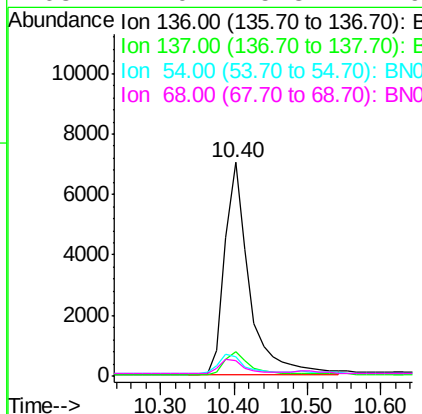
RT: 10.40 min Scan# 830

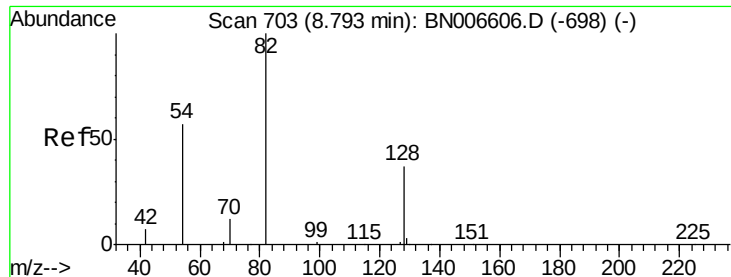
Delta R.T. -0.00 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Tgt Ion:	136	Resp:	16107
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	8.8	6.7	10.1
68	7.0	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.340 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Instrument :

BNA_N

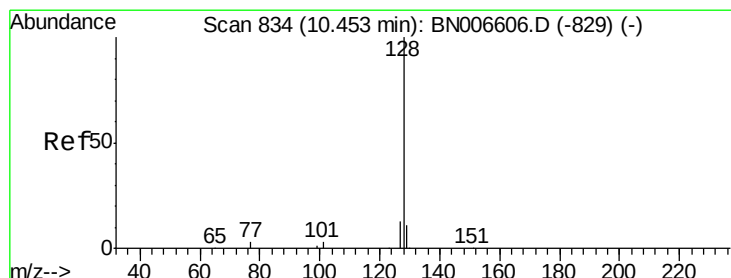
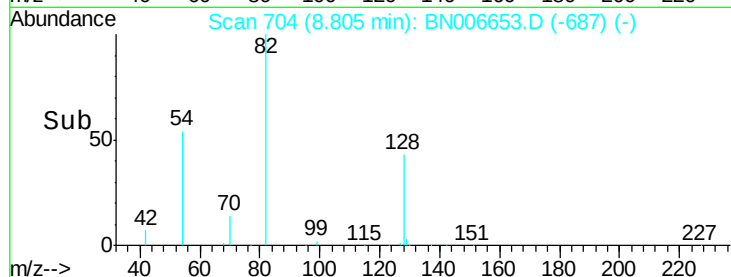
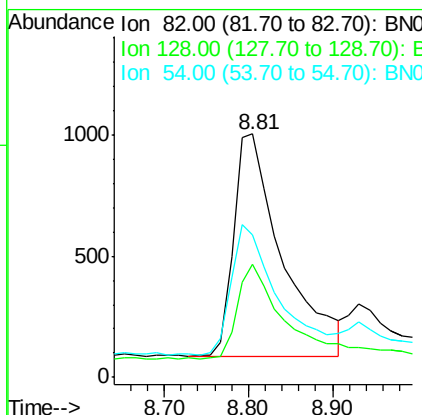
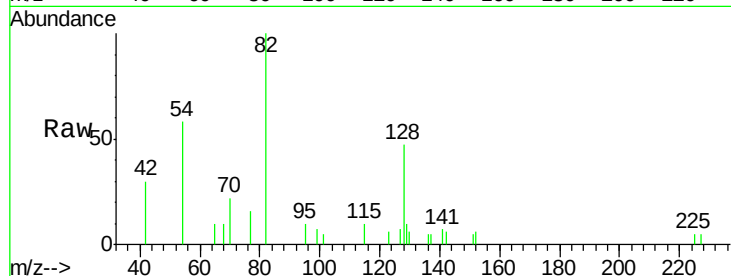
ClientSampleId :

PST-013-B213-062019

Tot Ion:	82	Resp:	3680
Ion	Ratio	Lower	Upper
82	100		
128	46.7	32.6	49.0
54	58.3	48.2	72.4

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#9

Naphthalene

Concen: 0.042 ng

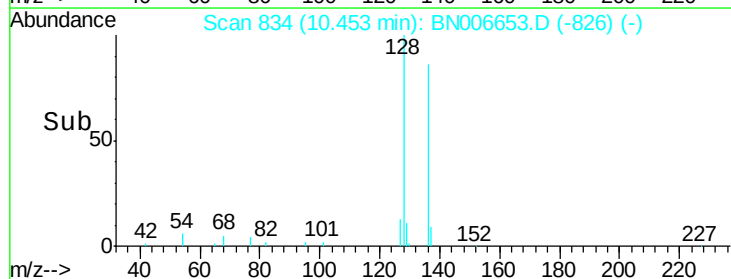
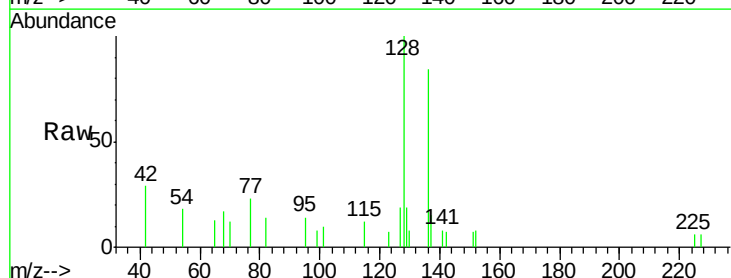
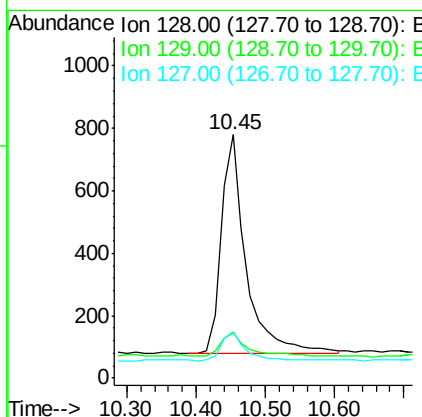
RT: 10.45 min Scan# 834

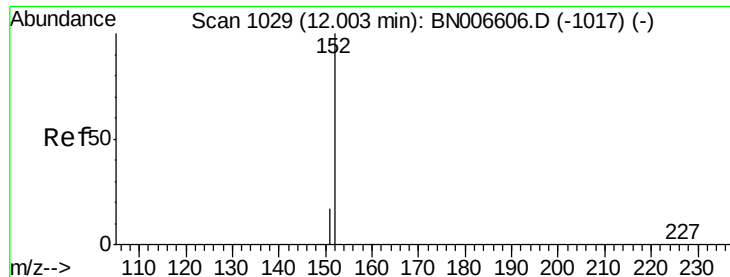
Delta R.T. -0.00 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Tgt Ion:	128	Resp:	1772
Ion	Ratio	Lower	Upper
128	100		
129	18.8	9.3	13.9#
127	19.2	10.8	16.2#





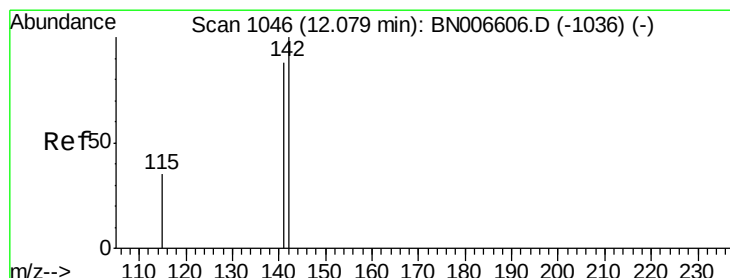
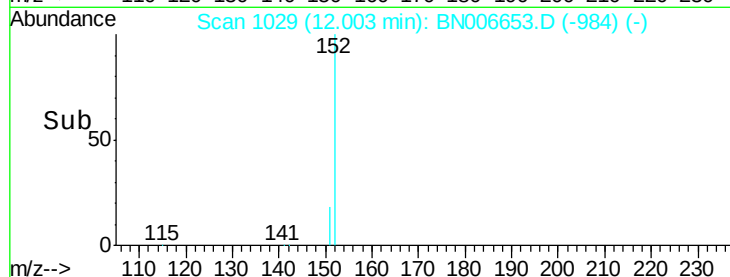
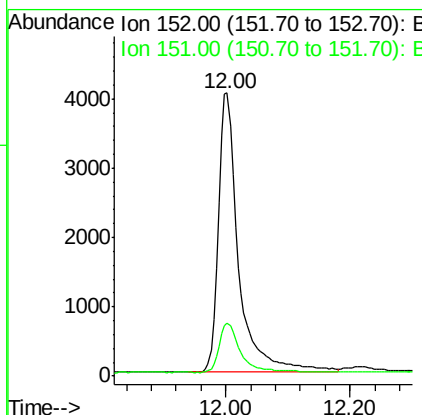
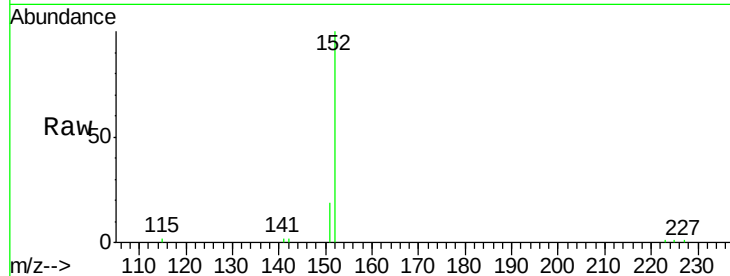
#11
2-Methylnaphthalene-d10
Concen: 0.360 ng
RT: 12.00 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.0	22.4

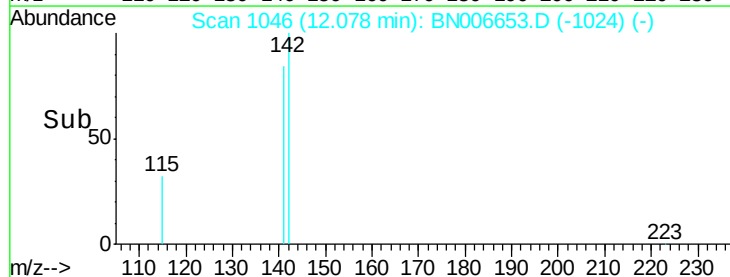
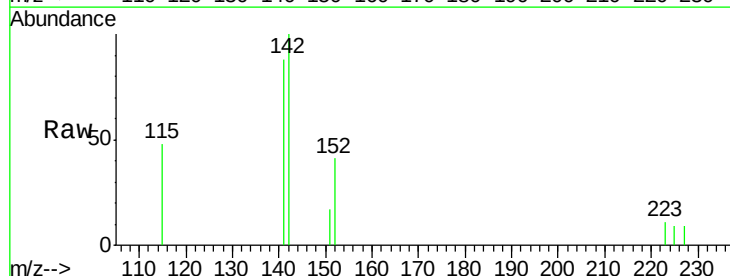
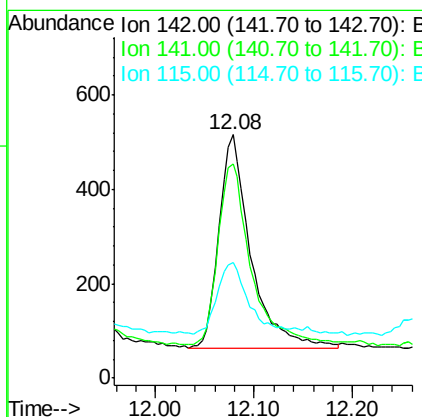
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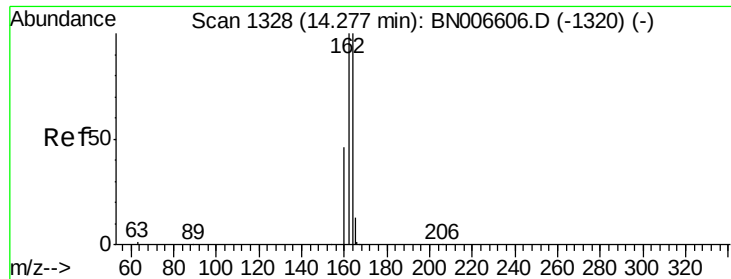
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#12
2-Methylnaphthalene
Concen: 0.034 ng
RT: 12.08 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.4
115	47.7	28.5	42.7#





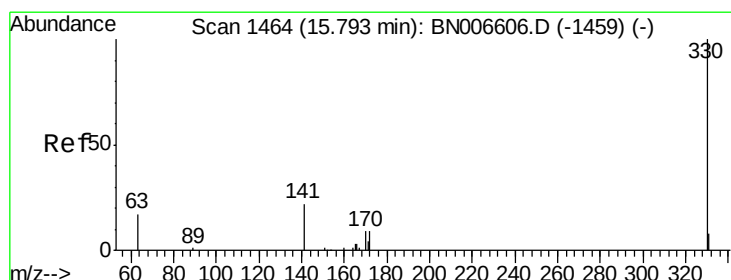
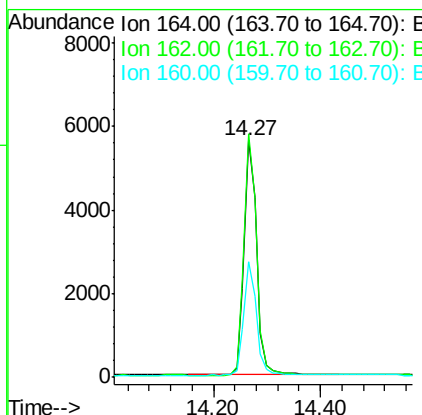
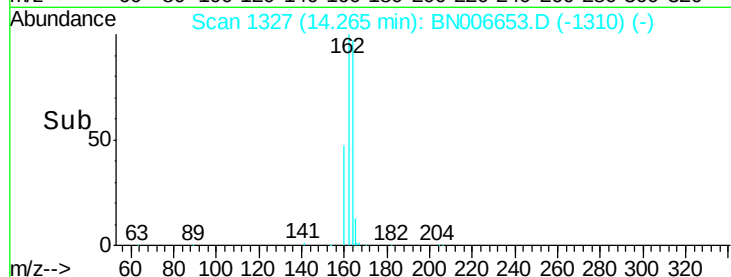
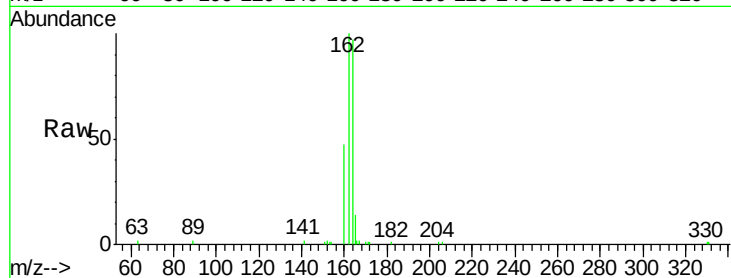
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.0	120.0
160	48.5	37.0	55.4

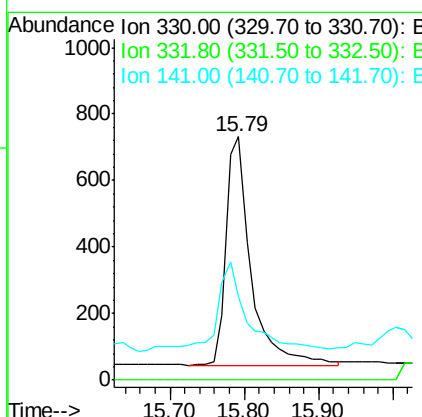
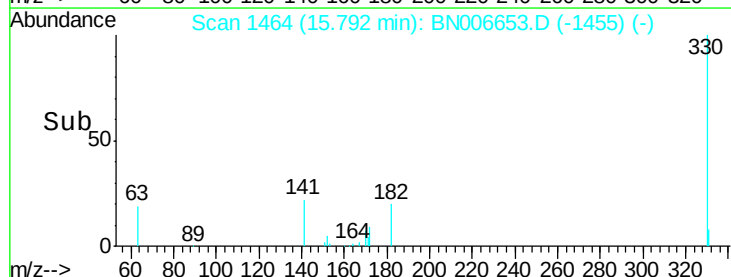
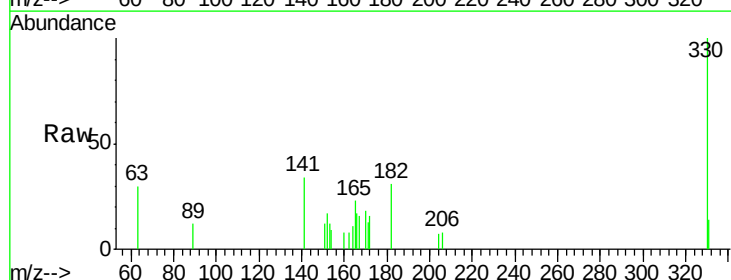
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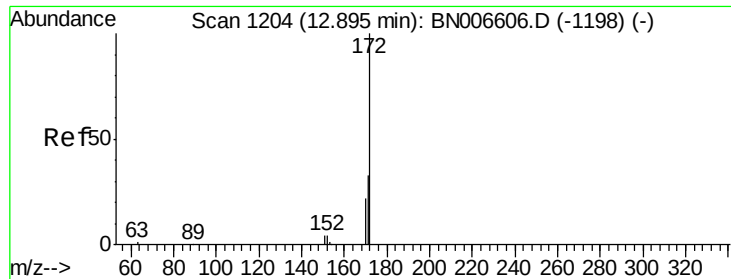
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#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 15.79 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.6	26.5	39.7#





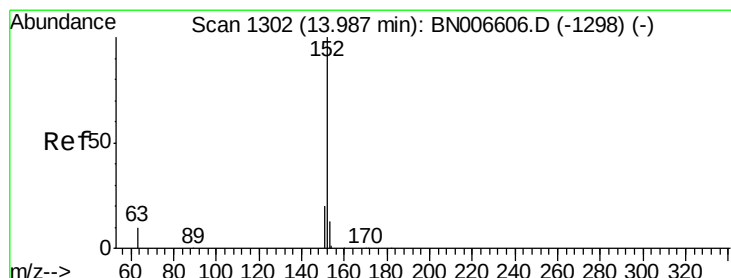
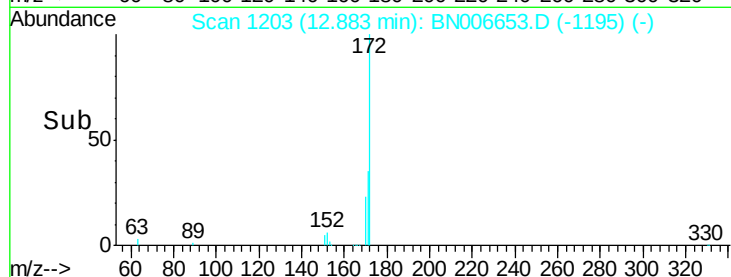
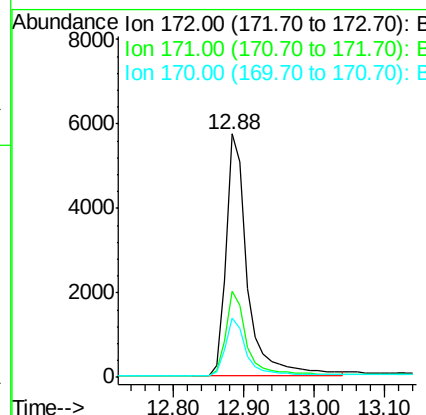
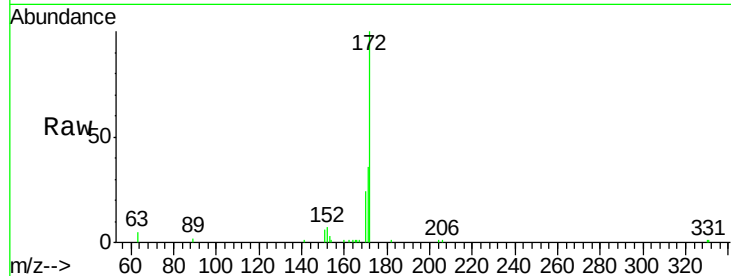
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Instrument :
BNA_N
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PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.0	40.4
170	24.1	17.7	26.5

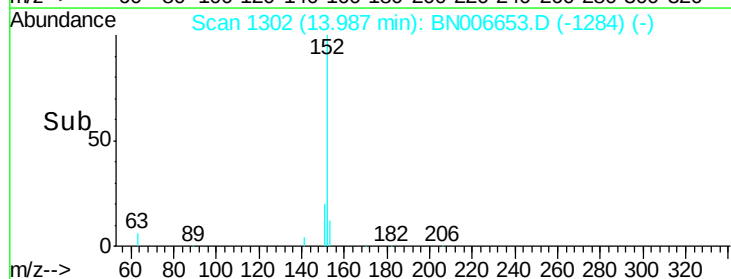
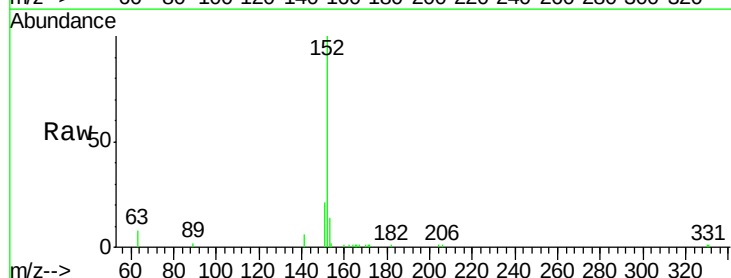
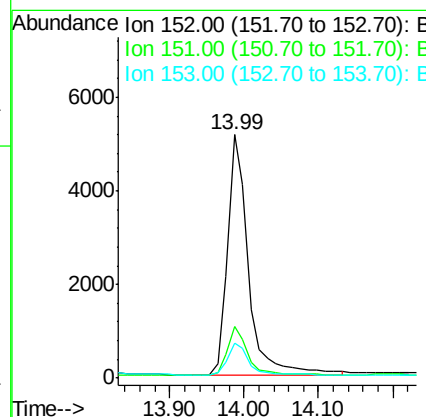
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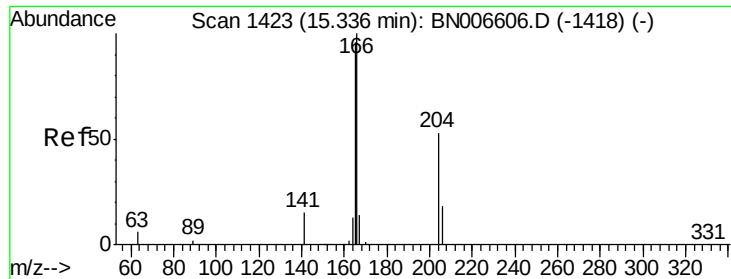
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#16
Acenaphthylene
Concen: 0.229 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.6	23.4
153	13.1	10.5	15.7





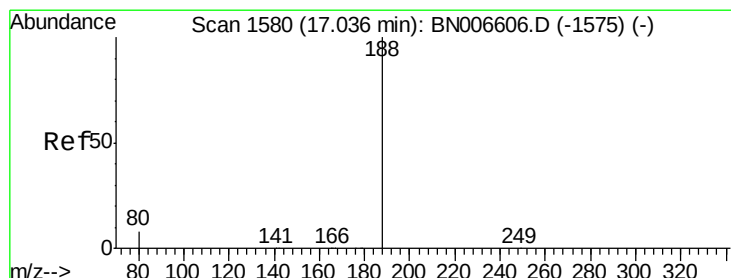
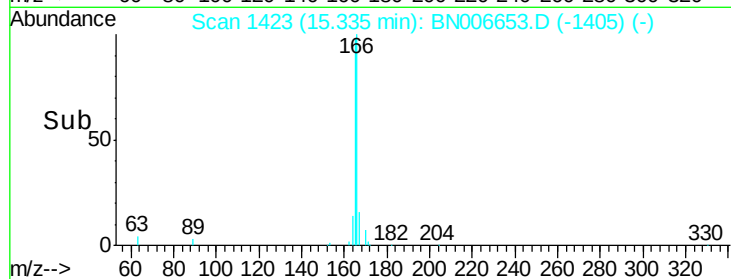
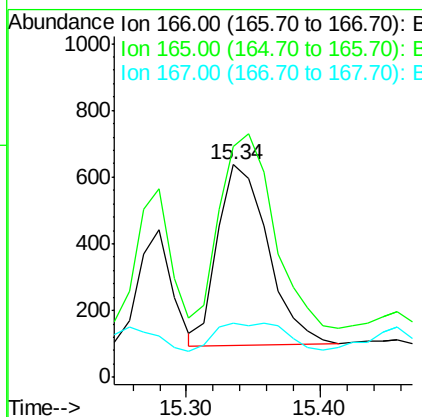
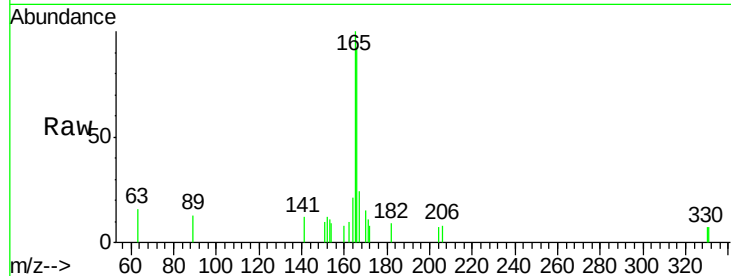
#18
Fluorene
 Concen: 0.039 ng
 RT: 15.34 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BN006653.D
 Acq: 01 Jul 2019 09:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
166	100		
165	116.9	78.4	117.6
167	22.5	10.8	16.2

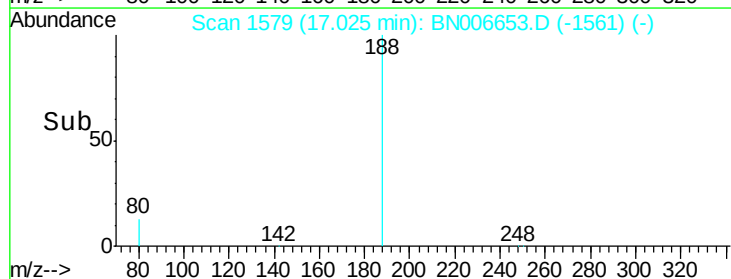
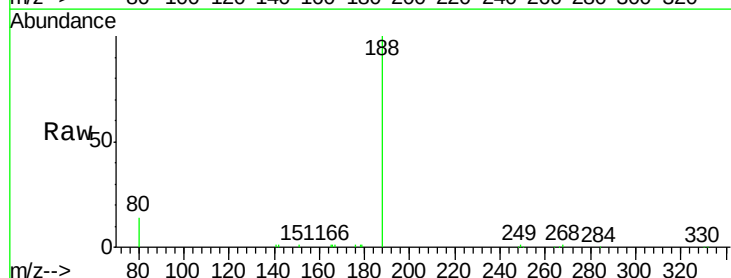
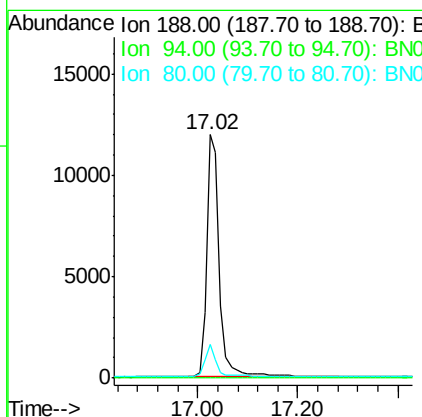
Manual Integrations
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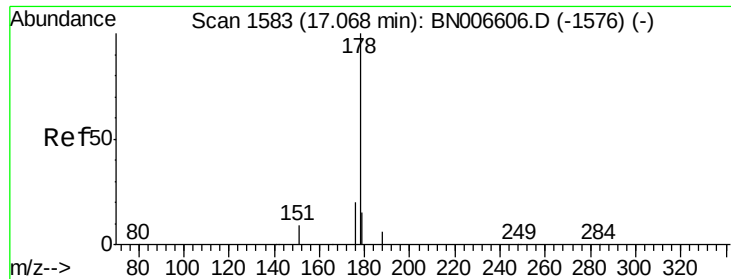
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.02 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BN006653.D
 Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.6	7.1	10.7





#23

Phenanthrene

Concen: 0.425 ng

RT: 17.07 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Instrument :

BNA_N

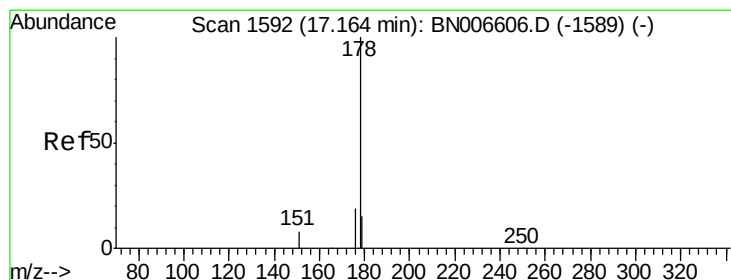
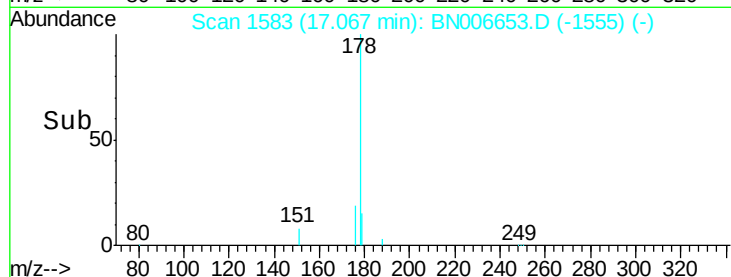
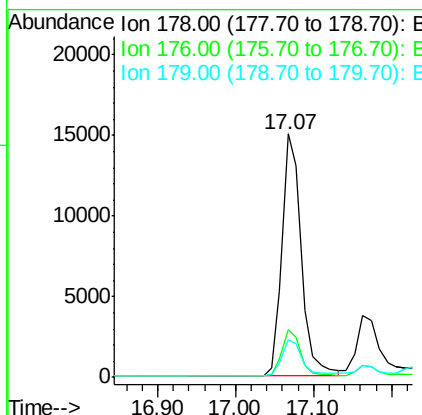
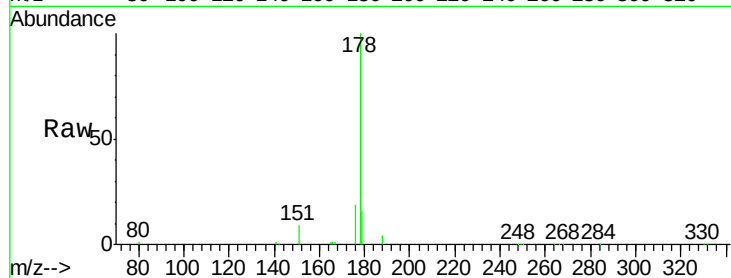
ClientSampleId :

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Tot Ion:	178	Resp:	25813
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.7	12.2	18.4

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#24

Anthracene

Concen: 0.135 ng

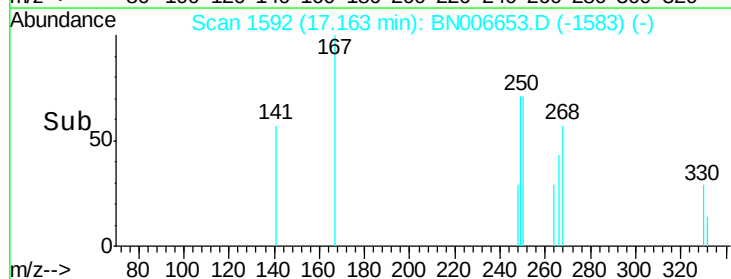
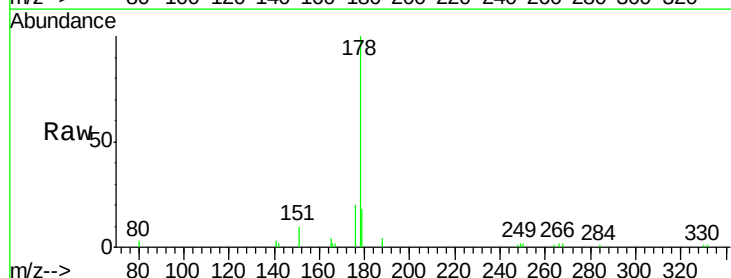
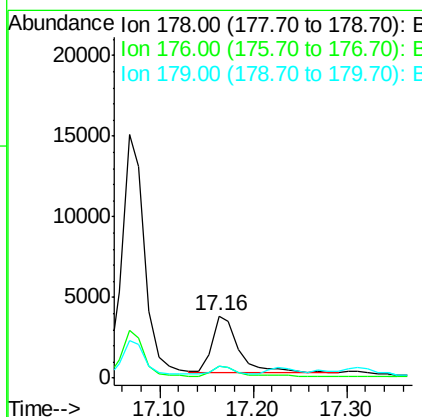
RT: 17.16 min Scan# 1592

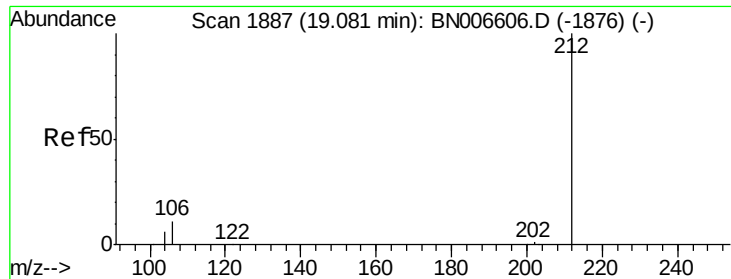
Delta R.T. -0.00 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Tgt Ion:	178	Resp:	7124
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.0	22.4
179	10.8	12.2	18.2#





#25

Fluoranthene-d10

Concen: 0.337 ng

RT: 19.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Instrument :

BNA_N

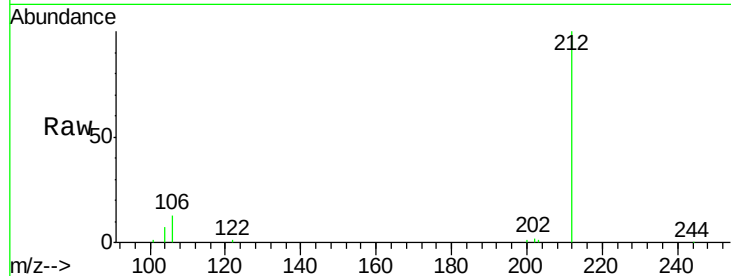
ClientSampleId :

PST-013-B213-062019

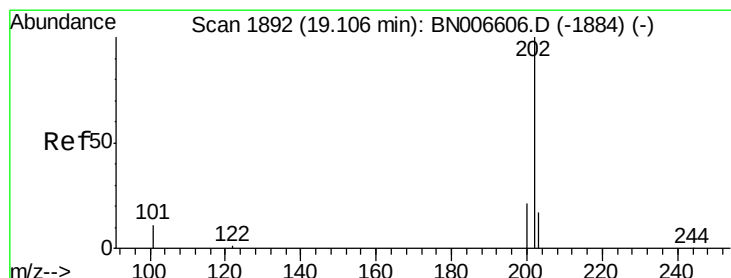
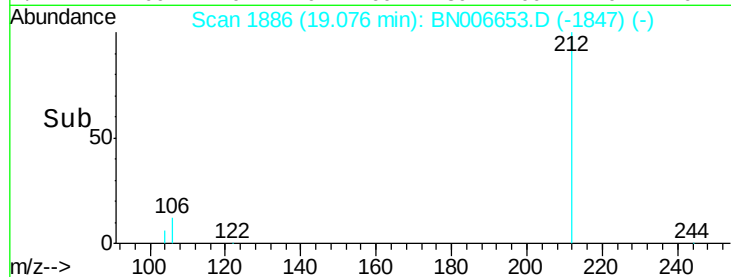
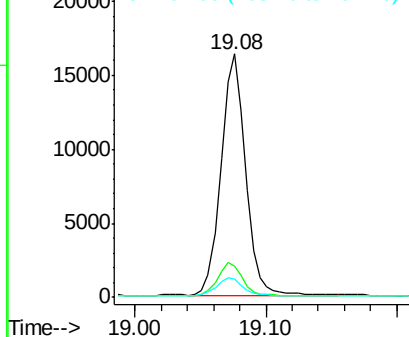
Tot Ion	Ratio	Lower	Upper
212	100		
106	14.0	10.6	15.8
104	7.5	5.8	8.6

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



#26

Fluoranthene

Concen: 0.759 ng

RT: 19.11 min Scan# 1892

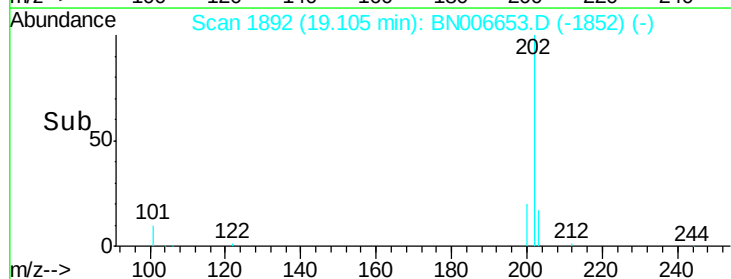
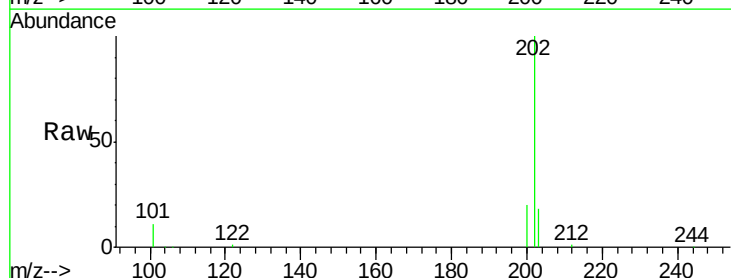
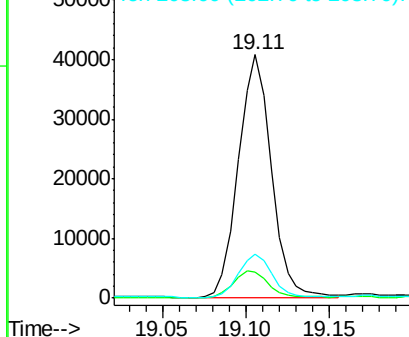
Delta R.T. -0.00 min

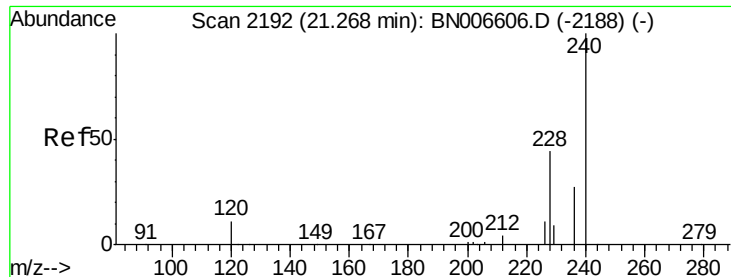
Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
203	17.7	13.6	20.4

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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Instrument :

BNA_N

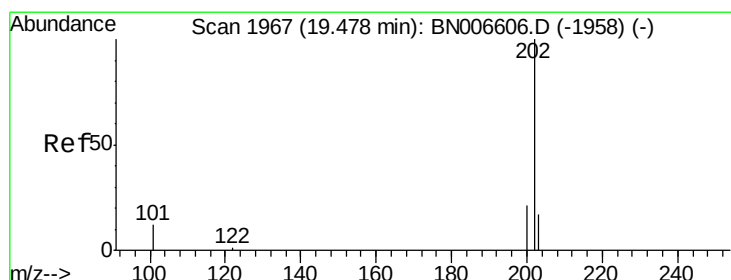
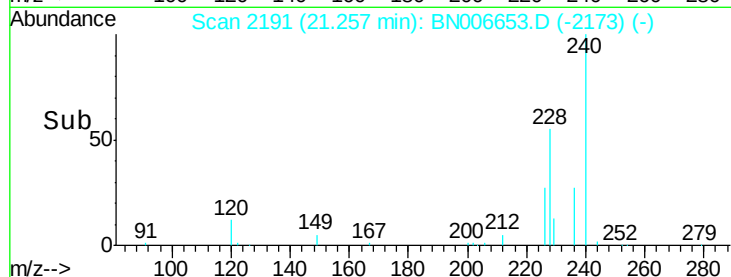
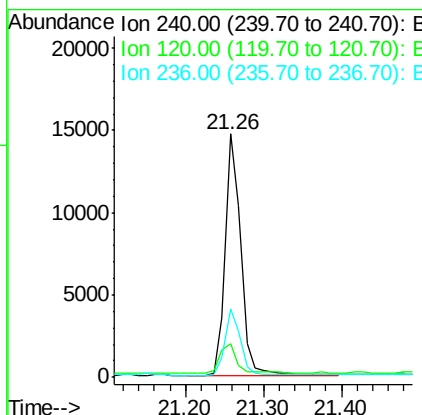
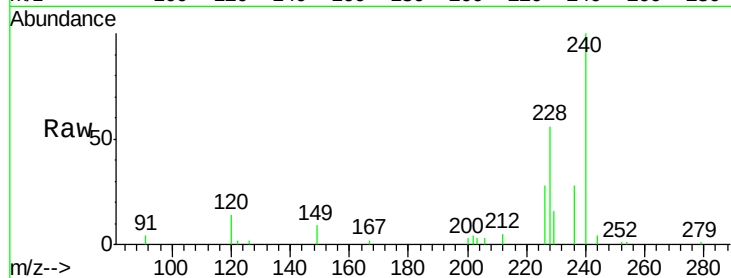
ClientSampleId :

PST-013-B213-062019

Tot Ion:	240	Resp:	20508
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.9	14.9
236	28.0	22.2	33.4

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#28

Pyrene

Concen: 0.985 ng

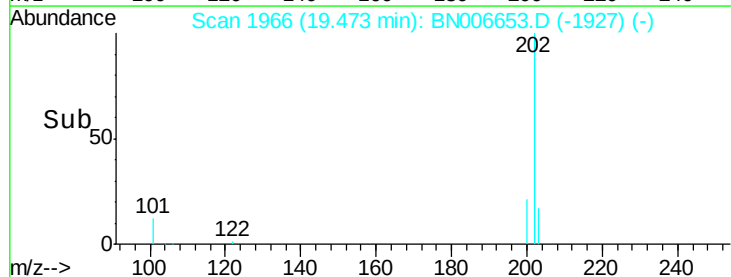
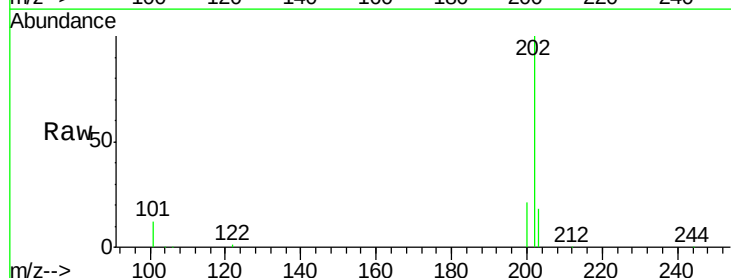
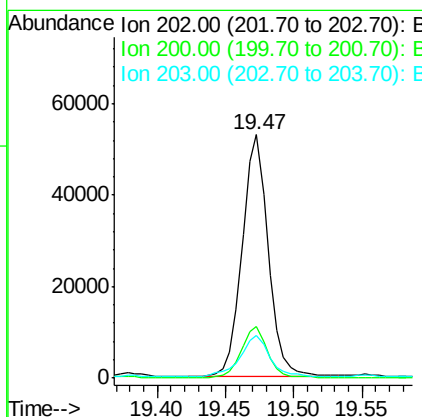
RT: 19.47 min Scan# 1966

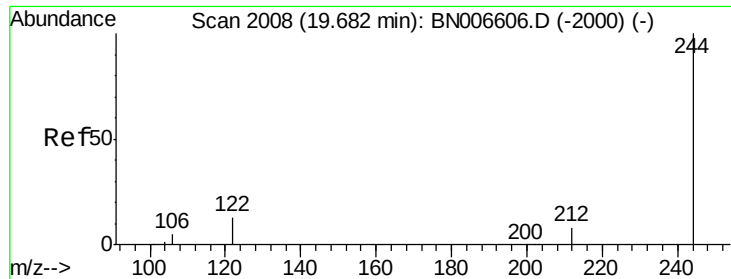
Delta R.T. -0.01 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Tgt Ion:	202	Resp:	70691
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	20.0	14.1	21.1





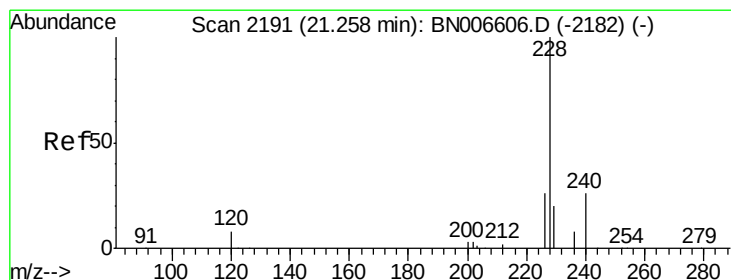
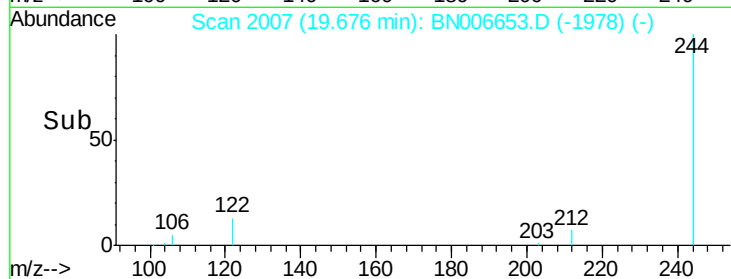
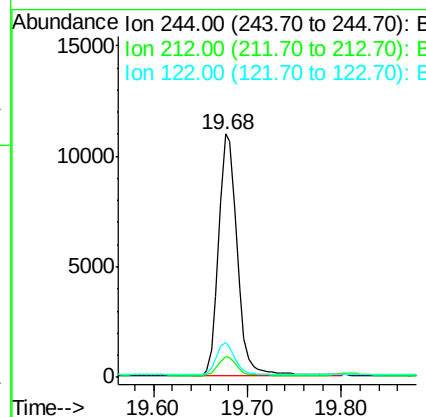
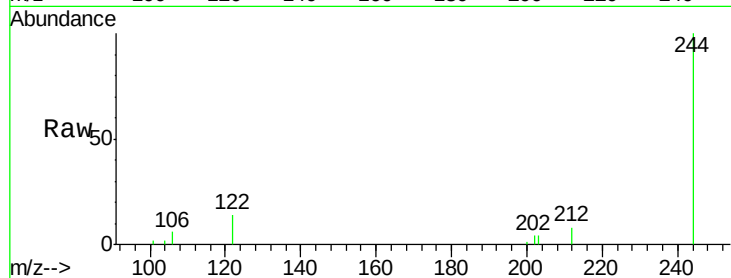
#29
 Terphenyl-d14
 Concen: 0.353 ng
 RT: 19.68 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BN006653.D
 Acq: 01 Jul 2019 09:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.7	10.1
122	14.4	11.0	16.6

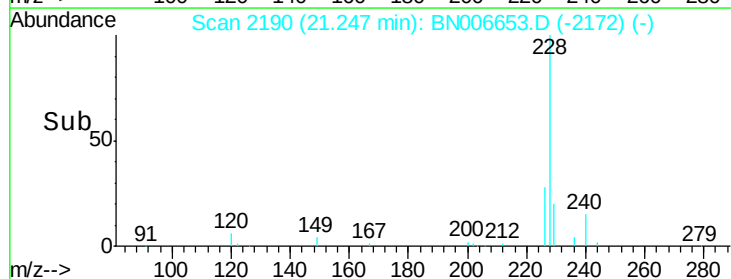
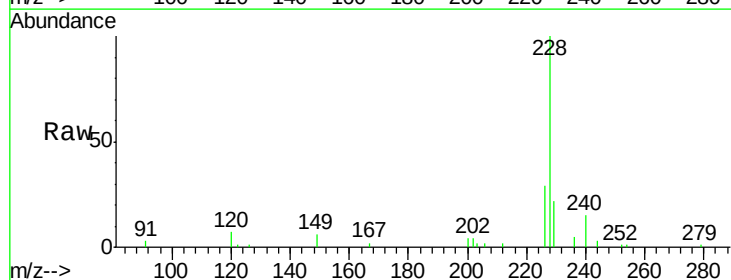
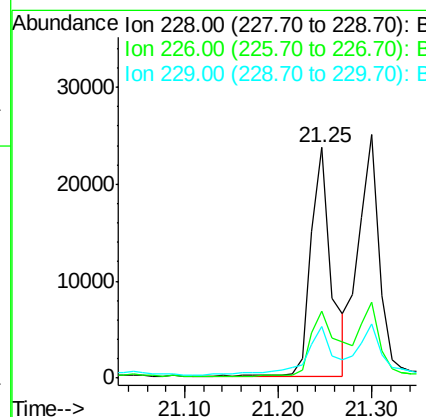
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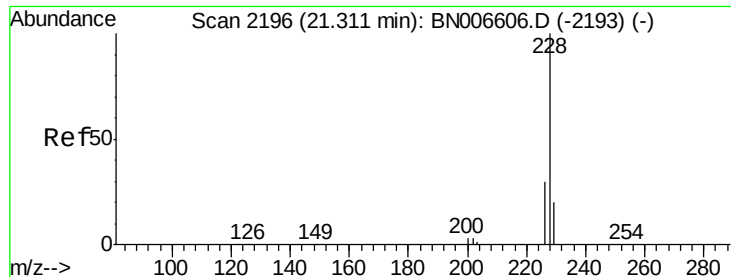
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#30
 Benzo(a)anthracene
 Concen: 0.530 ng
 RT: 21.25 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BN006653.D
 Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.2	31.8
229	22.5	16.1	24.1





#31

Chrysene

Concen: 0.530 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Instrument :

BNA_N

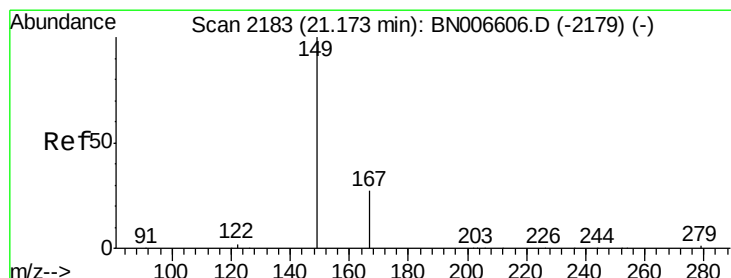
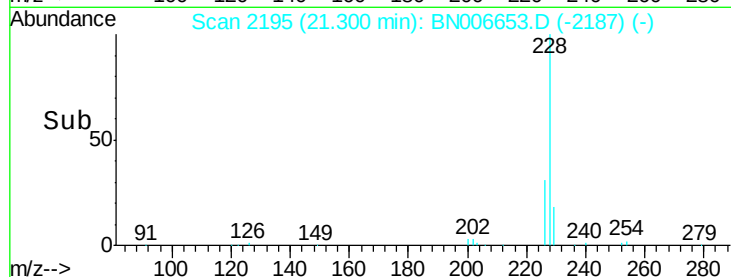
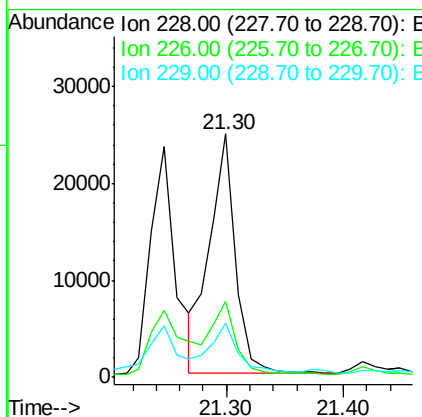
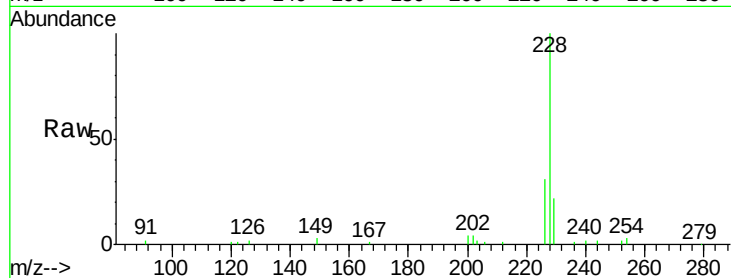
ClientSampleId :

PST-013-B213-062019

Tot Ion:	228	Resp:	38320
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.6
229	22.1	15.9	23.9

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.215 ng

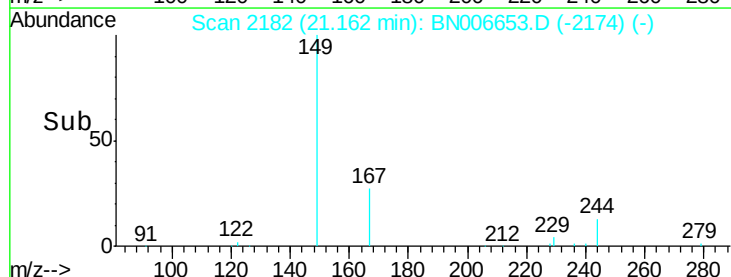
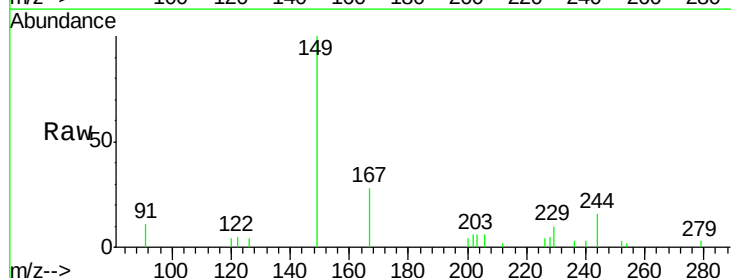
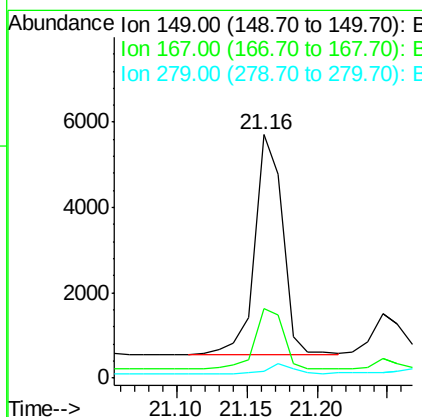
RT: 21.16 min Scan# 2182

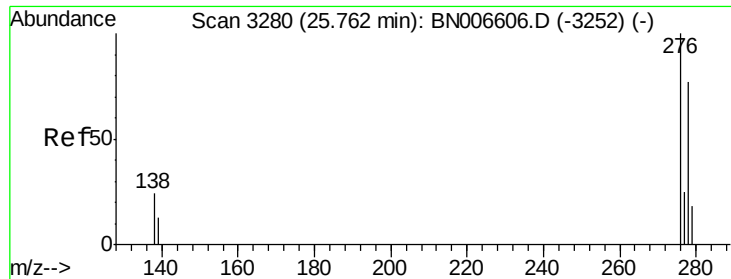
Delta R.T. -0.01 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Tgt Ion:	149	Resp:	7249
Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.9	34.3
279	4.1	3.3	4.9





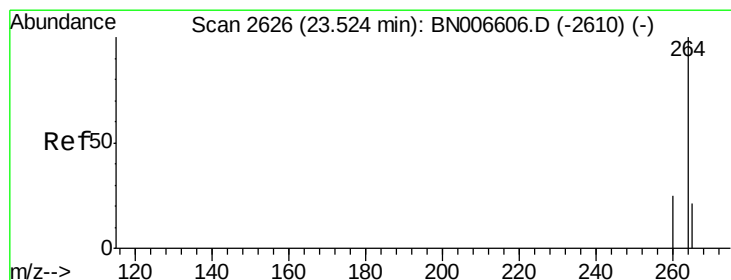
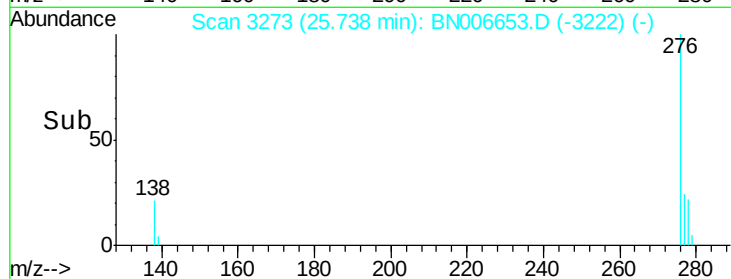
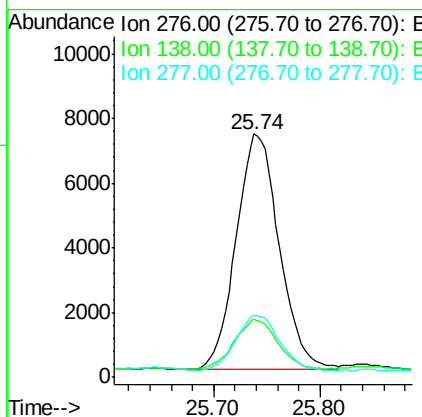
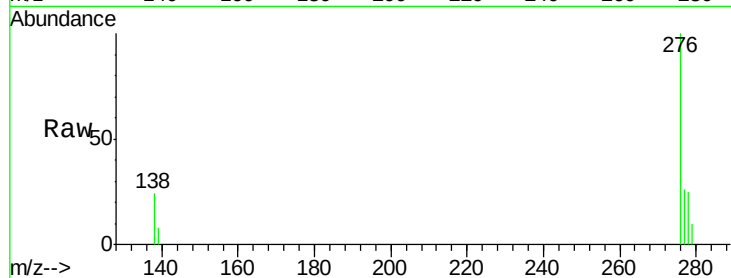
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.282 ng
 RT: 25.74 min Scan# 3273
 Delta R.T. -0.02 min
 Lab File: BN006653.D
 Acq: 01 Jul 2019 09:13

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.3	28.9
277	23.3	19.9	29.9

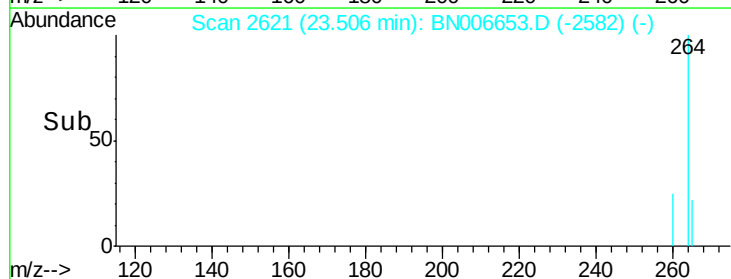
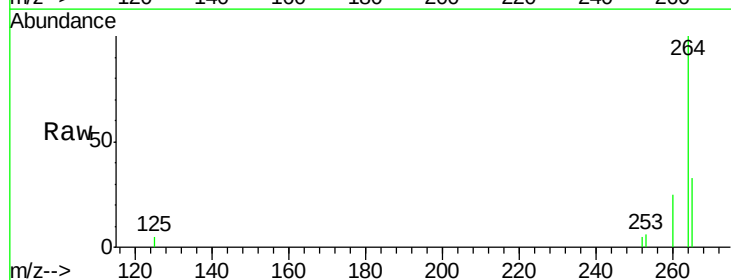
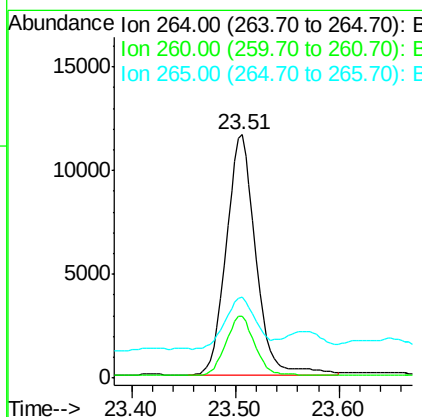
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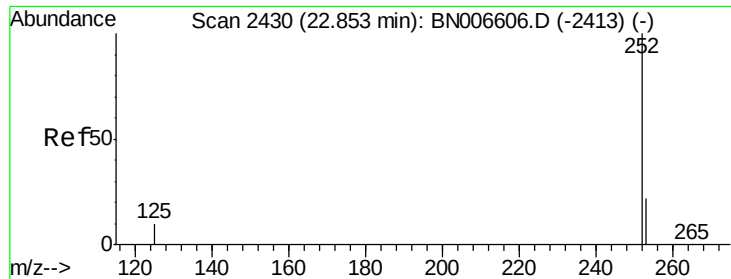
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.51 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BN006653.D
 Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	33.3	23.3	34.9





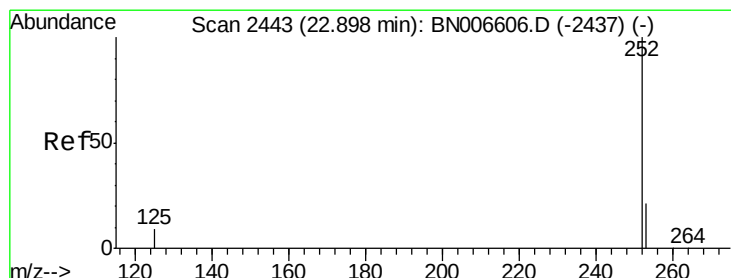
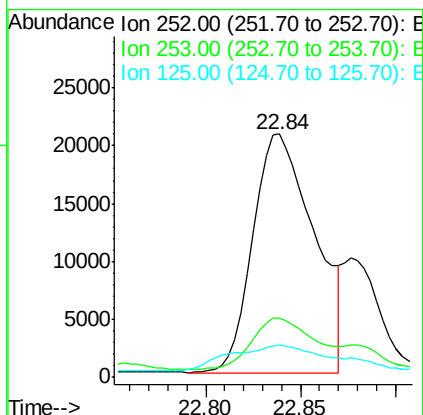
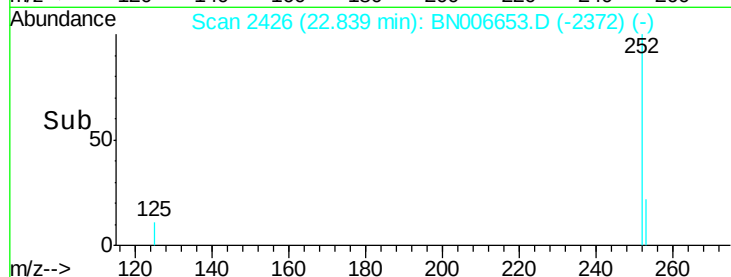
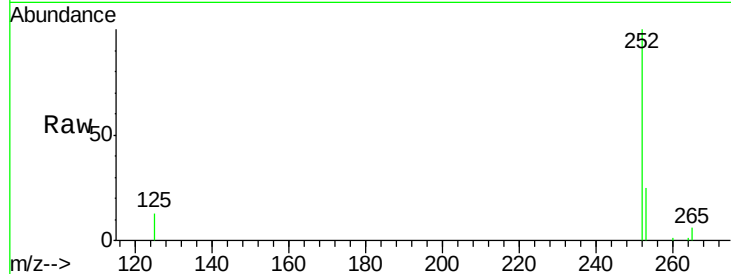
#35
Benzo(b)fluoranthene
Concen: 0.600 ng
RT: 22.84 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	13.1	8.7	13.1

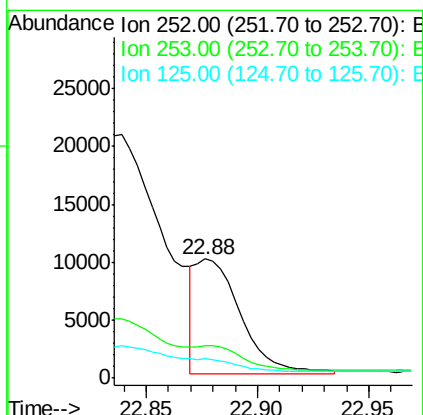
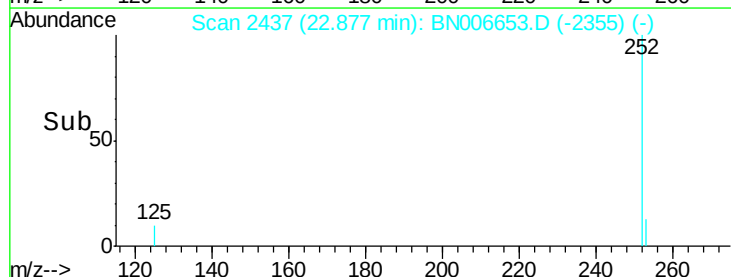
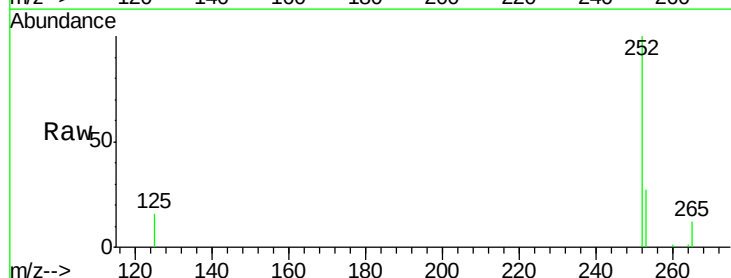
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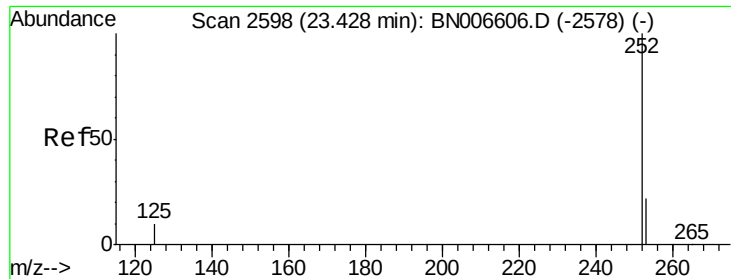
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#36
Benzo(k)fluoranthene
Concen: 0.167 ng m
RT: 22.88 min Scan# 2437
Delta R.T. -0.02 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.3	27.5
125	16.1	8.4	12.6





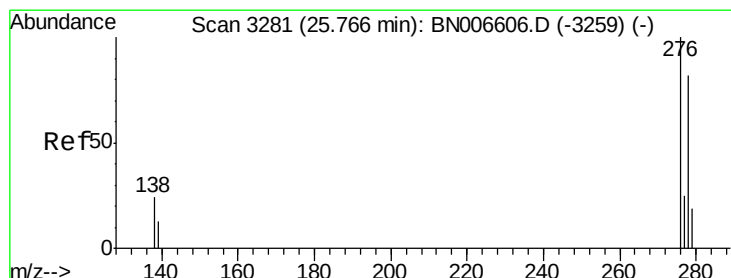
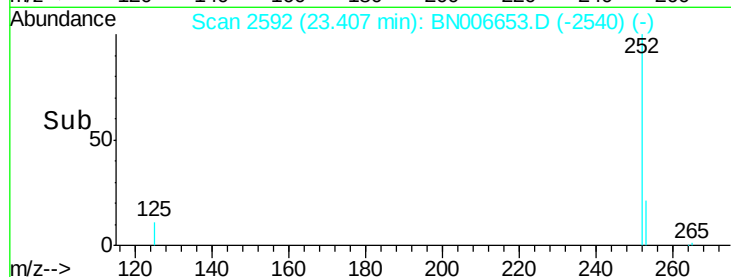
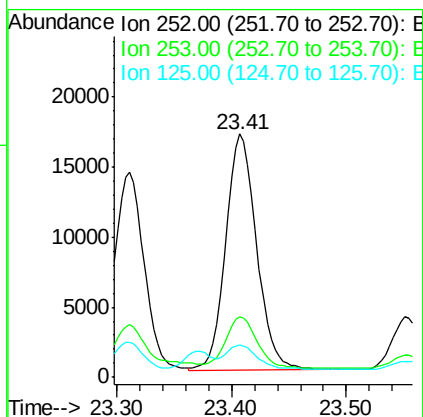
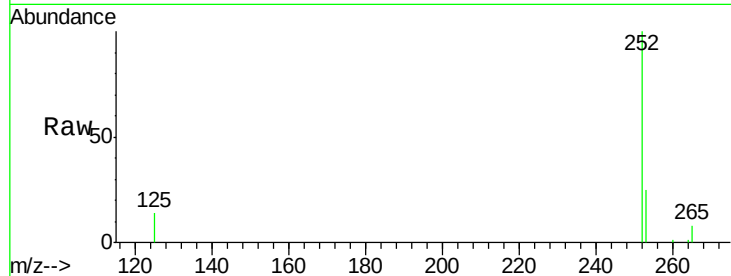
#37
Benzo(a)pyrene
Concen: 0.439 ng
RT: 23.41 min Scan# 2592
Delta R.T. -0.02 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Instrument :
BNA_N
ClientSampleId :
PST-013-B213-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.8	28.2
125	13.6	9.4	14.2

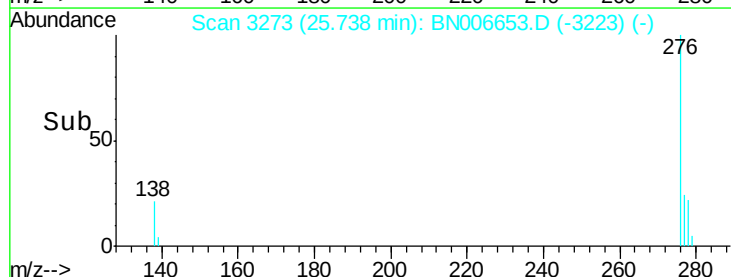
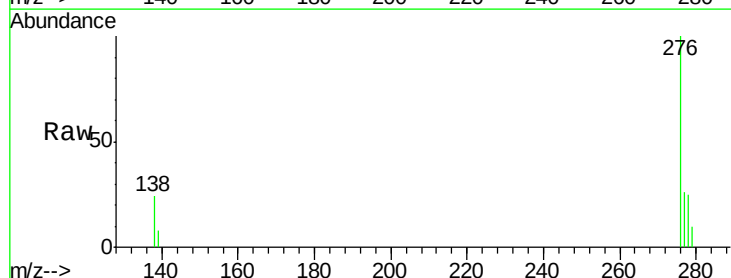
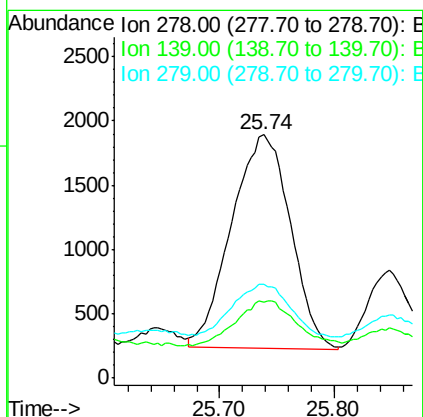
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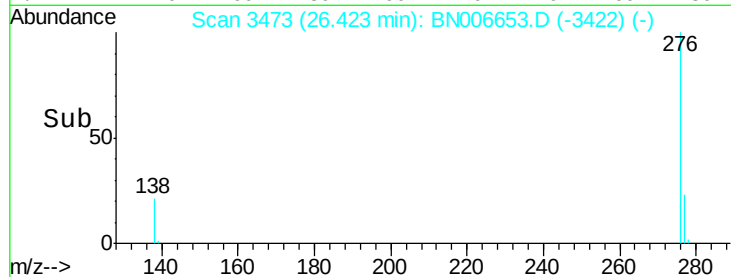
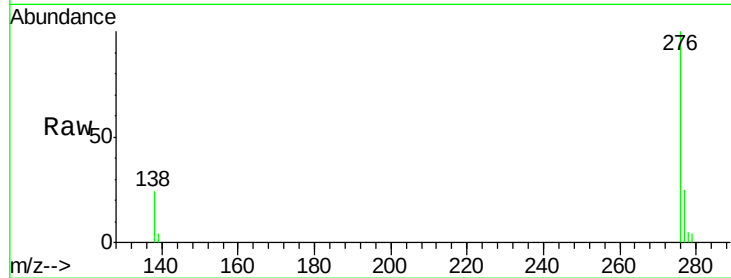
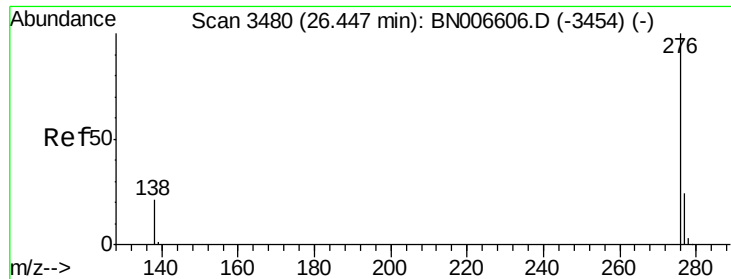
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 0.094 ng
RT: 25.74 min Scan# 3273
Delta R.T. -0.03 min
Lab File: BN006653.D
Acq: 01 Jul 2019 09:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.4	13.5	20.3#
279	38.6	19.4	29.2#





#39

Benzo(a,h,i)perylene

Concen: 0.355 ng

RT: 26.42 min Scan# 3473

Delta R.T. -0.02 min

Lab File: BN006653.D

Acq: 01 Jul 2019 09:13

Instrument :

BNA_N

ClientSampleId :

PST-013-B213-062019

Tot Ion:	276	Resp:	22465
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.6	29.4
138	23.6	17.7	26.5

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:06 PM

