

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006660.D
 Acq On : 01 Jul 2019 14:45
 Operator : HP/JU
 Sample : K3504-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B018-062019

Manual Integrations
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 7/2/2019 2:52:18 PM

Quant Time: Jul 02 05:27:31 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	4207	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	16839	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9292	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	20089	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	18301	0.40	ng	-0.01
34) Perylene-d12	23.51	264	20727	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	2845	0.28	ng	0.00
5) Phenol-d6	6.82	99	3893	0.29	ng	0.00
8) Nitrobenzene-d5	8.79	82	2474	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	6132	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1074	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	8100	0.24	ng	-0.01
25) Fluoranthene-d10	19.08	212	12513	0.21	ng	0.00
29) Terphenyl-d14	19.68	244	8490	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.45	128	3469	0.078	ng	# 91
12) 2-Methylnaphthalene	12.07	142	2688	0.088	ng	97
16) Acenaphthylene	13.99	152	1859	0.042	ng	# 96
17) Acenaphthene	14.33	154	2898	0.099	ng	100
18) Fluorene	15.32	166	3431	0.093	ng	# 98
23) Phenanthrene	17.07	178	73329	1.284	ng	100
24) Anthracene	17.16	178	13849	0.279	ng	99
26) Fluoranthene	19.11	202	119144	1.716	ng	99
28) Pyrene	19.47	202	94163	1.470	ng	96
30) Benzo(a)anthracene	21.25	228	56865	0.950	ng	97
31) Chrysene	21.30	228	50085	0.776	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	7256	0.241	ng	99
33) Indeno(1,2,3-cd)pyrene	25.74	276	30821	0.472	ng	96
35) Benzo(b)fluoranthene	22.84	252	65417	0.928	ng	# 91
36) Benzo(k)fluoranthene	22.88	252	24615m	0.328	ng	
37) Benzo(a)pyrene	23.41	252	44380	0.673	ng	# 90
38) Dibenzo(a,h)anthracene	25.74	278	9009	0.156	ng	# 45
39) Benzo(a,h,i)perylene	26.43	276	30354	0.528	ng	# 91

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

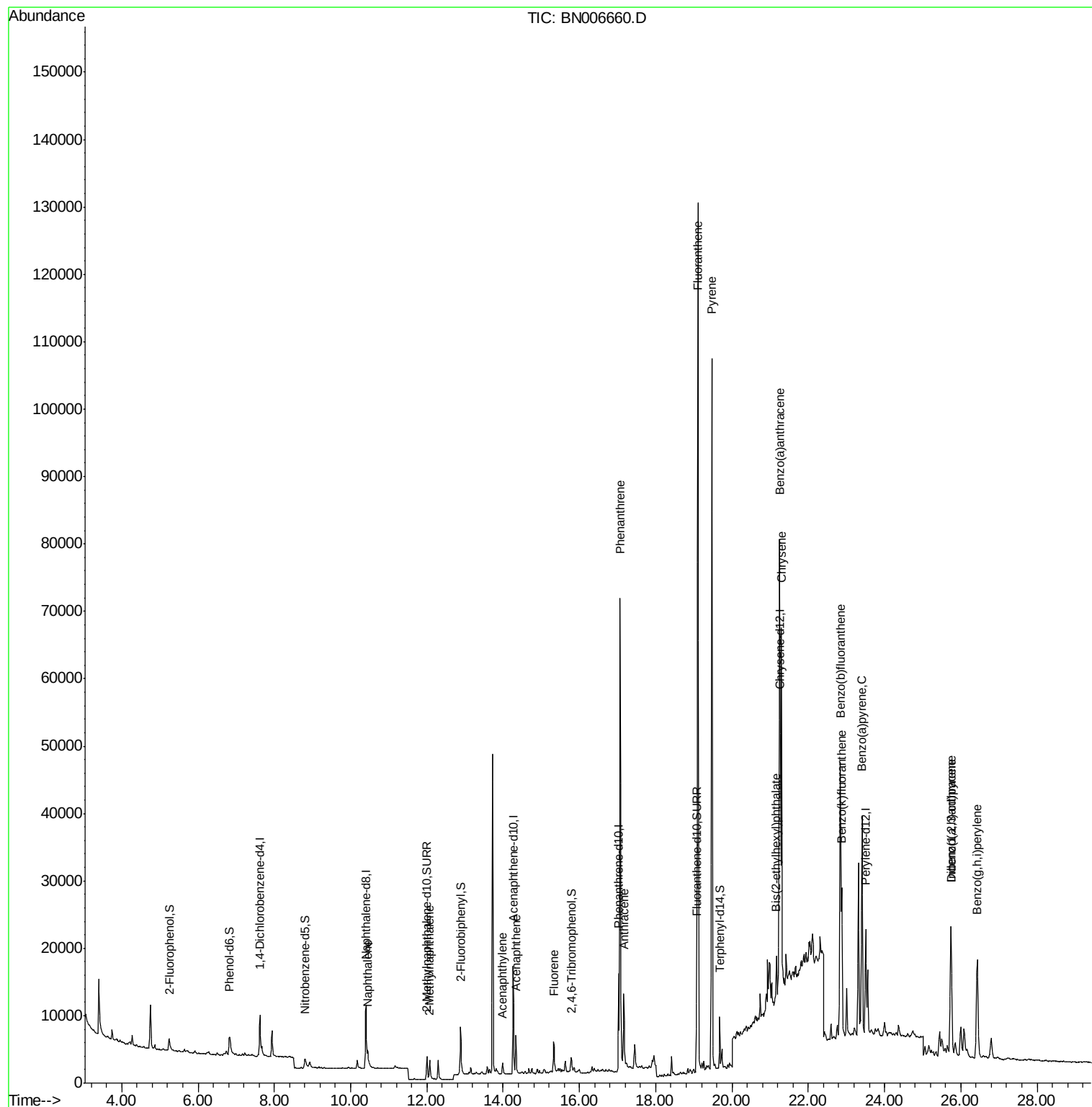
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006660.D
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ALS Vial : 10 Sample Multiplier: 1

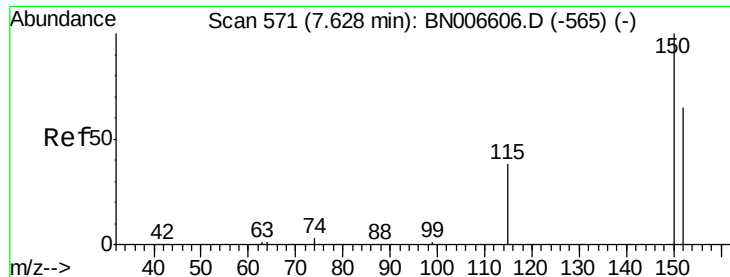
Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

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Quant Time: Jul 02 05:27:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

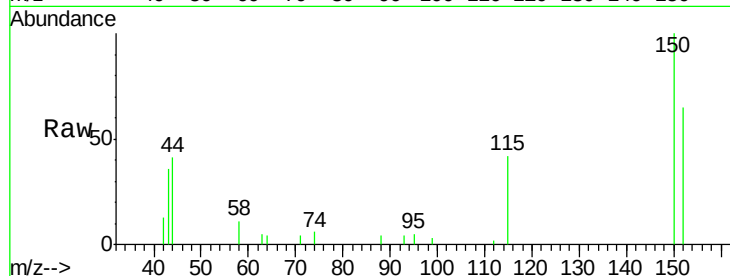
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.2	183.2
115	64.1	50.0	75.0

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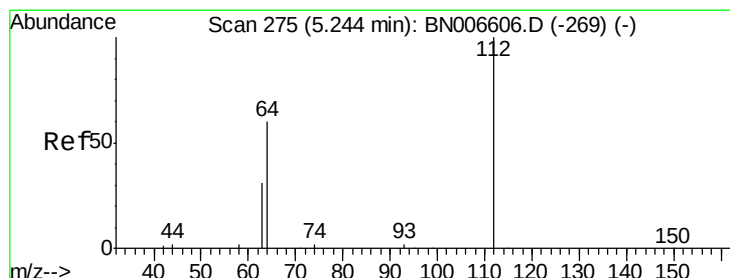
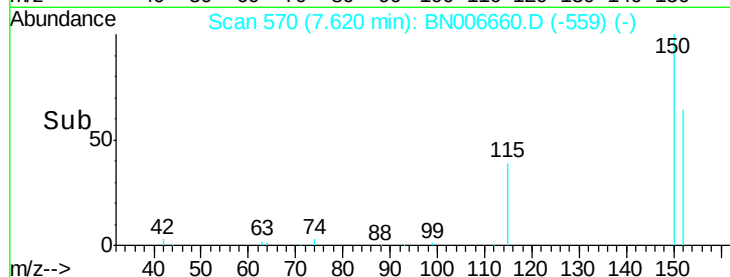
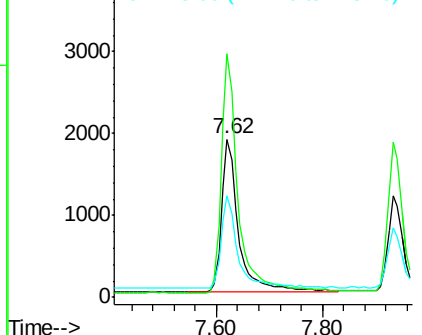


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

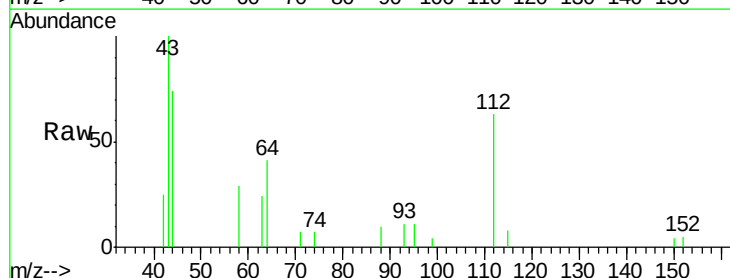
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.276 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	48.9	73.3
63	34.4	24.3	36.5

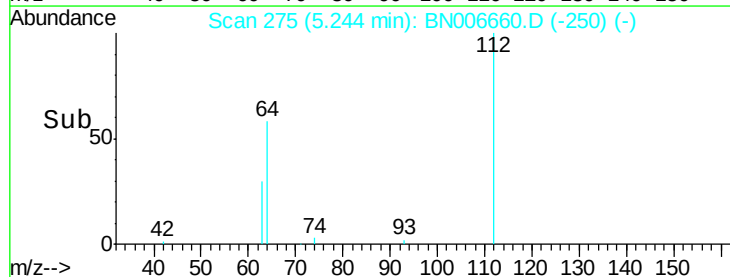
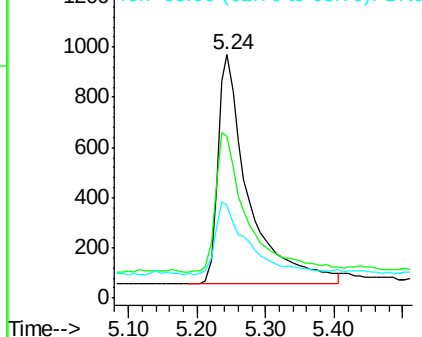


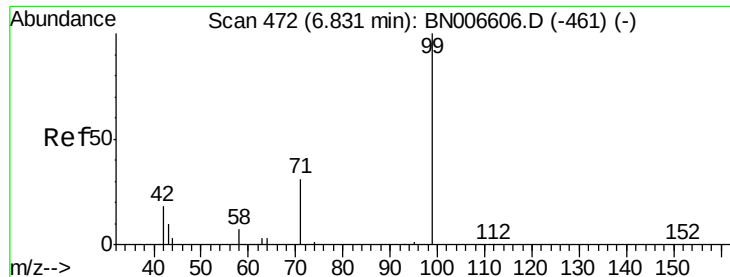
Abundance

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: 0.285 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Instrument :

BNA_N

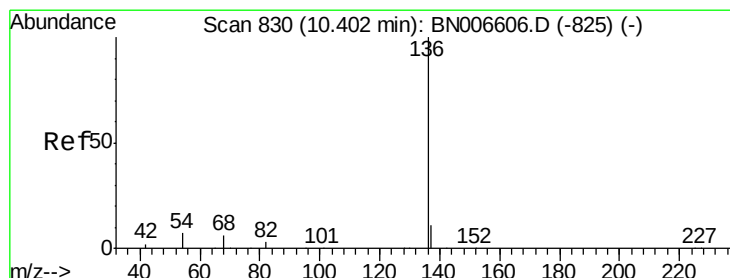
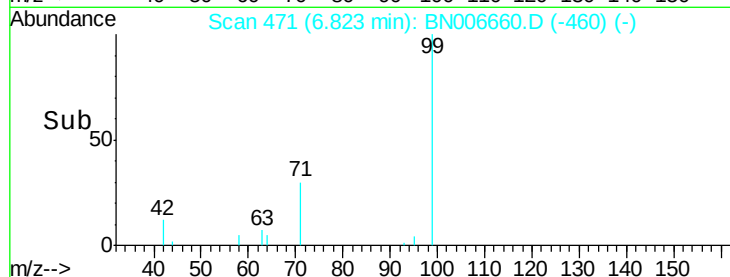
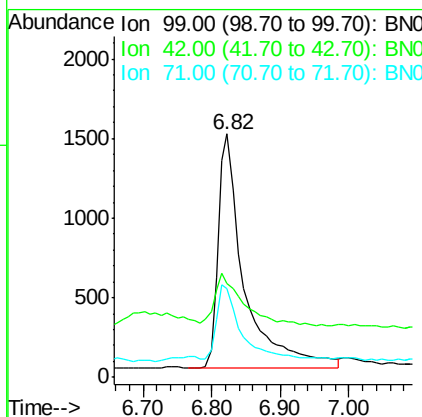
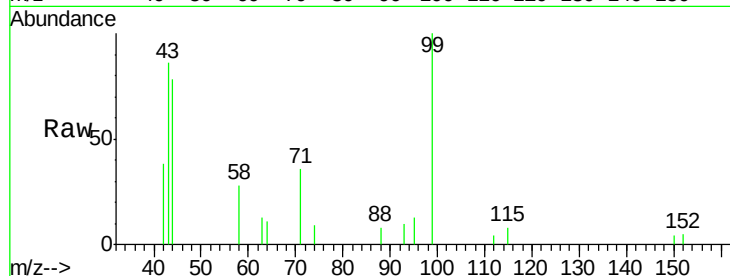
ClientSampleId :

PST-001-B018-062019

Tot Ion:	99	Resp:	3893
Ion	Ratio	Lower	Upper
99	100		
42	24.6	16.4	24.6
71	28.4	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

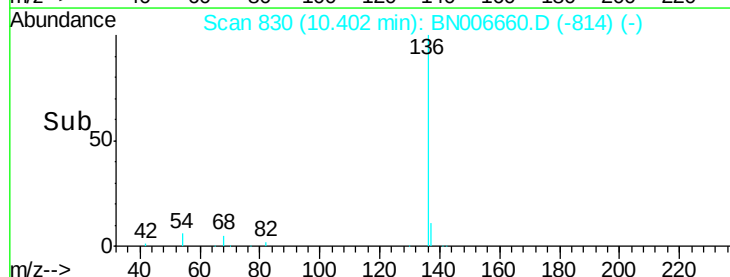
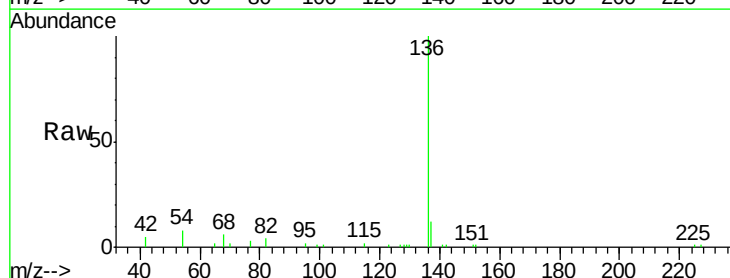
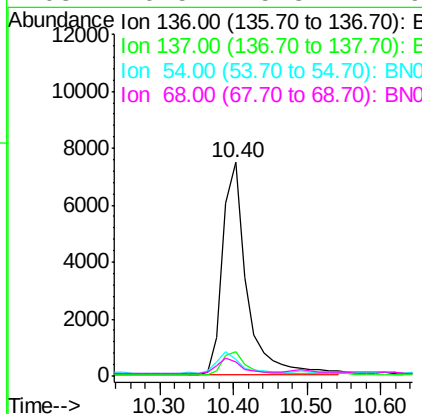
RT: 10.40 min Scan# 830

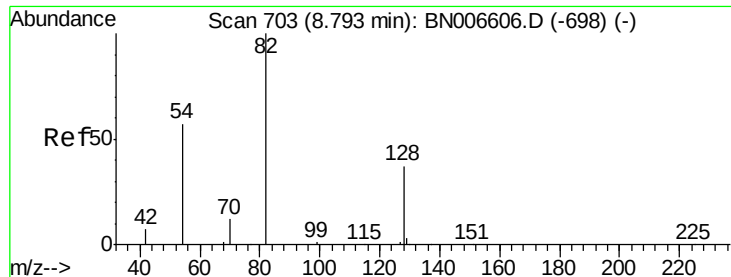
Delta R.T. -0.00 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Tgt Ion:	136	Resp:	16839
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	7.7	6.7	10.1
68	6.5	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.218 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Instrument :

BNA_N

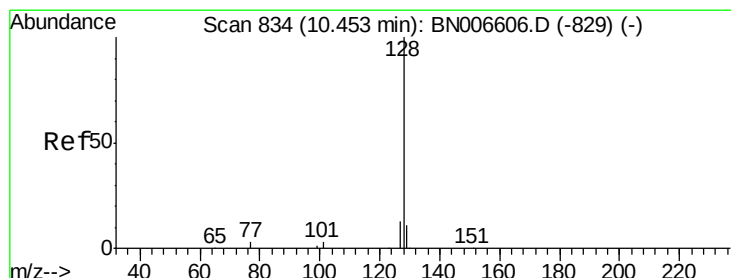
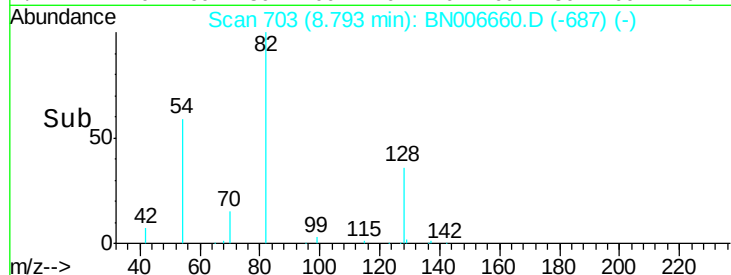
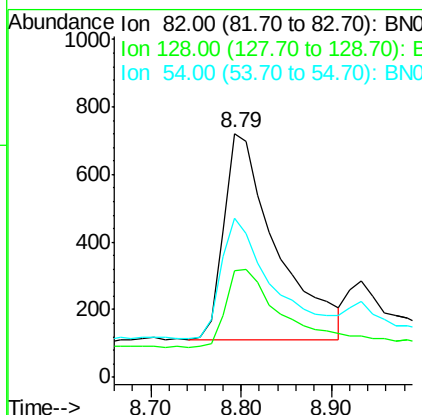
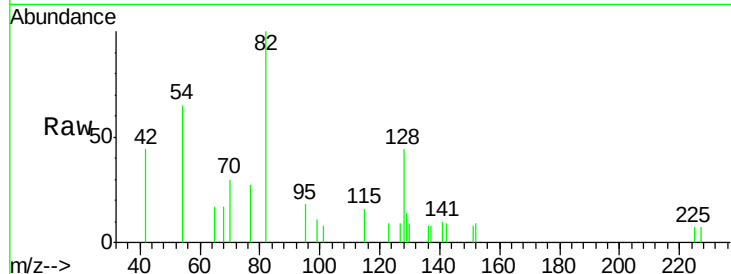
ClientSampleId :

PST-001-B018-062019

Tot Ion:	82	Resp:	2474
Ion	Ratio	Lower	Upper
82	100		
128	43.8	32.6	49.0
54	65.3	48.2	72.4

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#9

Naphthalene

Concen: 0.078 ng

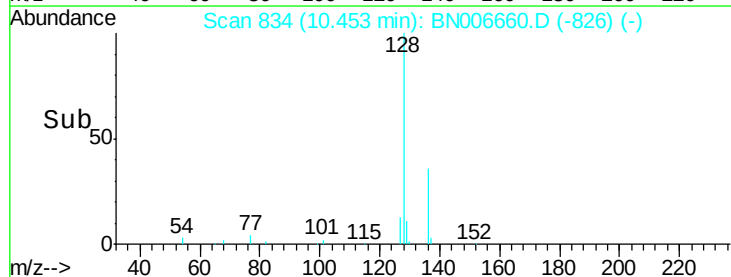
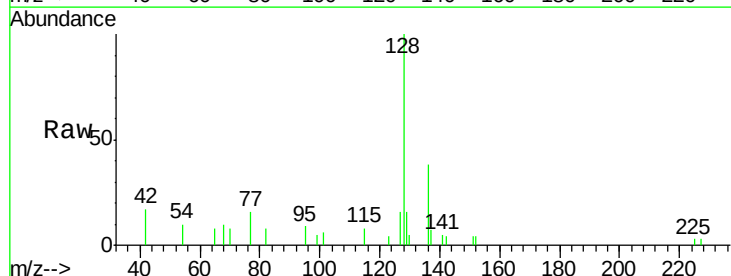
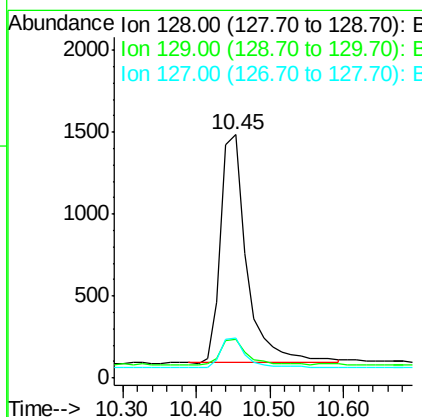
RT: 10.45 min Scan# 834

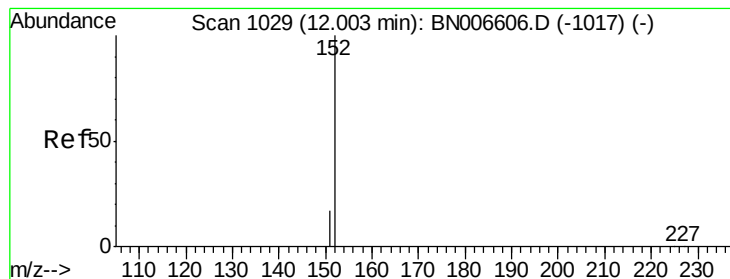
Delta R.T. -0.00 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Tgt Ion:	128	Resp:	3469
Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.3	13.9#
127	16.3	10.8	16.2#





#11

2-Methylnaphthalene-d10

Concen: 0.231 ng

RT: 12.00 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Instrument :

BNA_N

ClientSampleId :

PST-001-B018-062019

Tot Ion:152 Resp: 6132

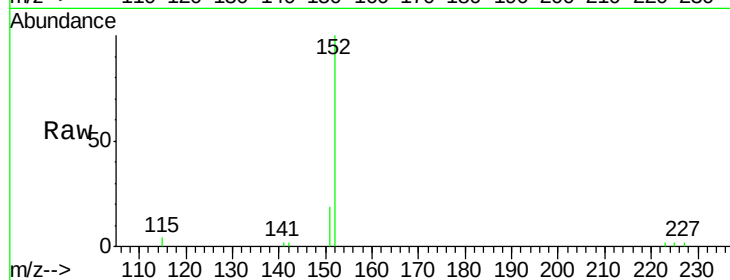
Ion Ratio Lower Upper

152 100

151 18.8 15.0 22.4

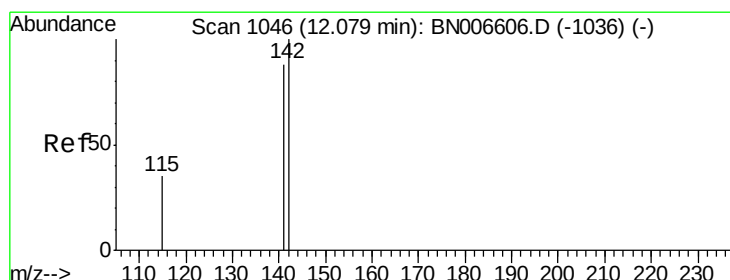
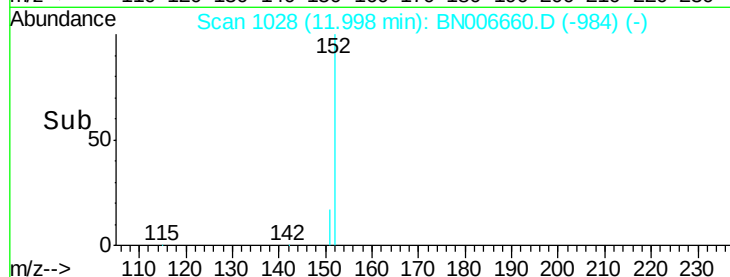
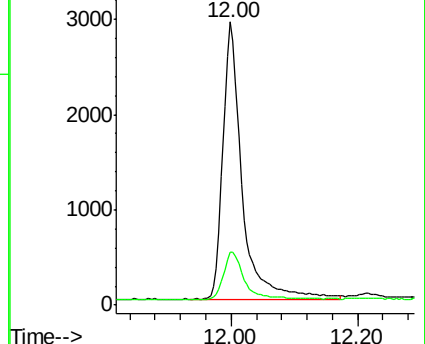
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.088 ng

RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

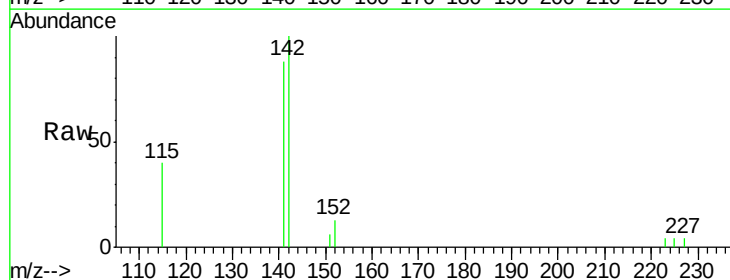
Tgt Ion:142 Resp: 2688

Ion Ratio Lower Upper

142 100

141 87.6 70.2 105.4

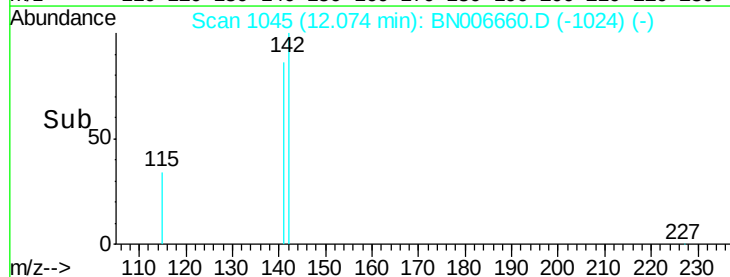
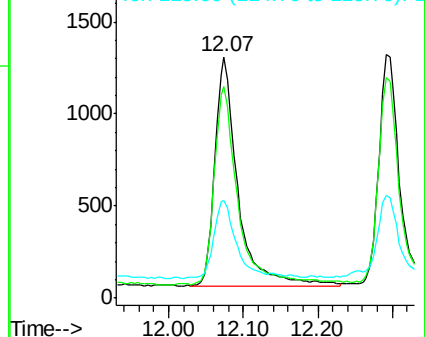
115 40.5 28.5 42.7

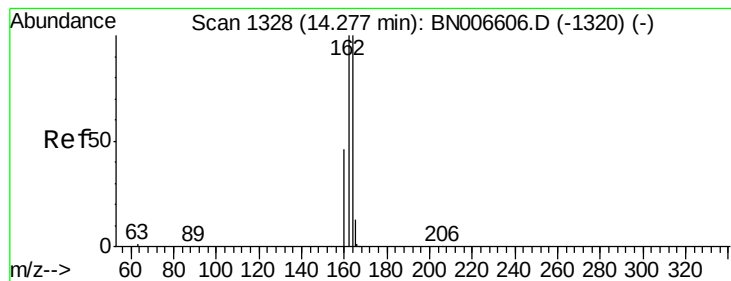


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Instrument :

BNA_N

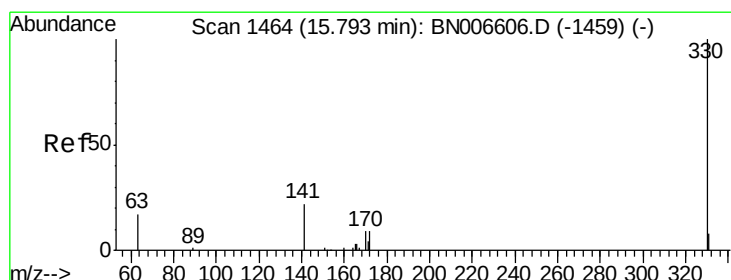
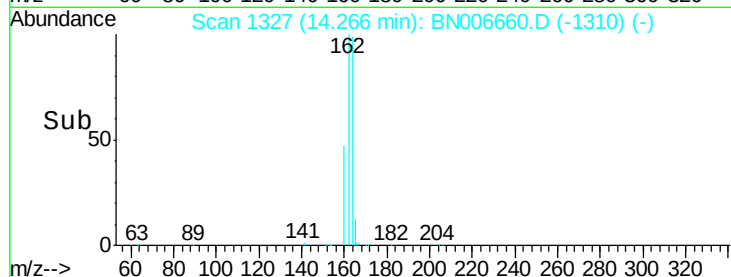
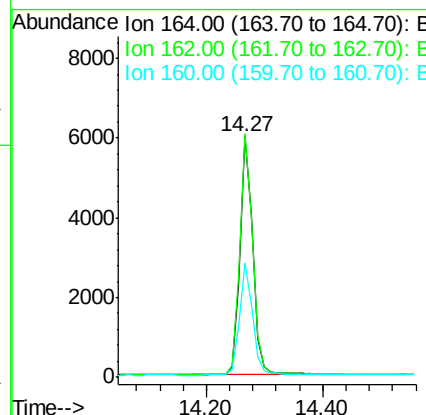
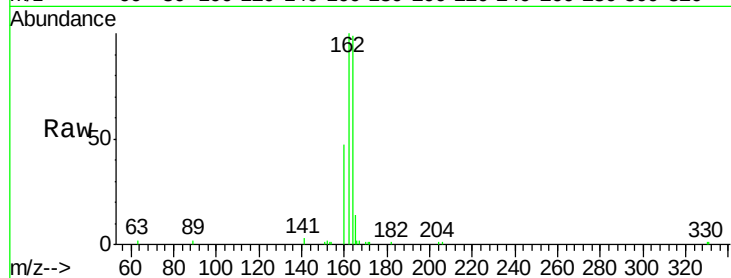
ClientSampleId :

PST-001-B018-062019

Tot Ion:	164	Resp:	9292
Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.0	120.0
160	47.6	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.245 ng

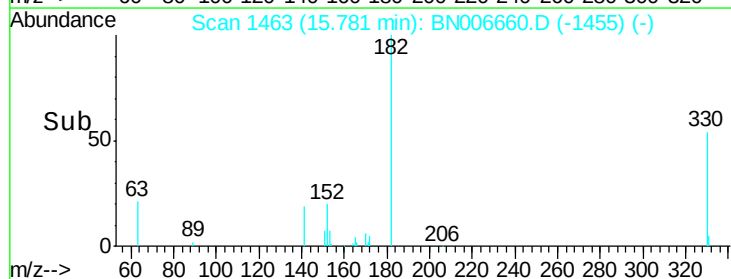
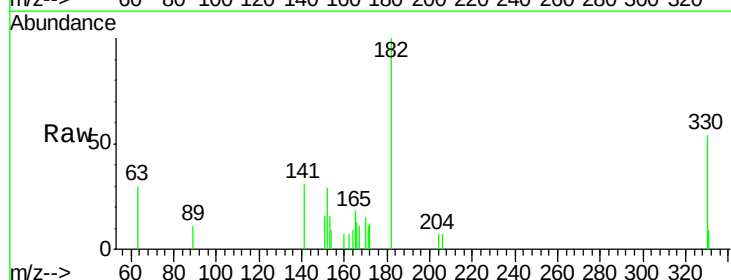
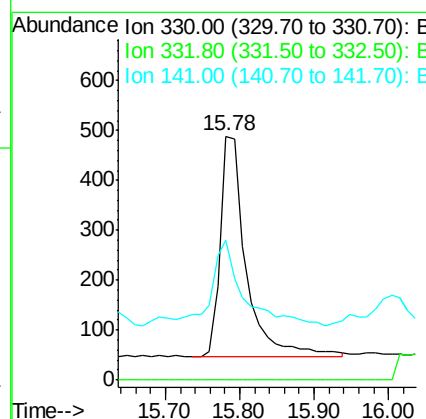
RT: 15.78 min Scan# 1463

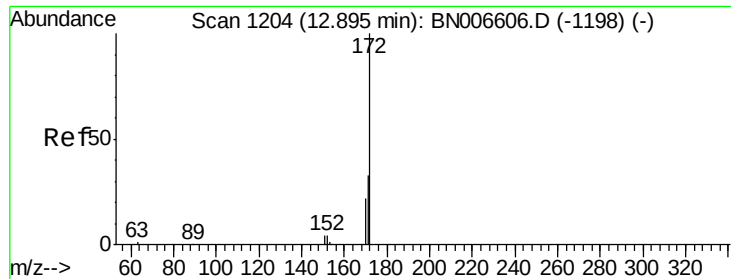
Delta R.T. -0.01 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Tgt Ion:	330	Resp:	1074
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	46.5	26.5	39.7#





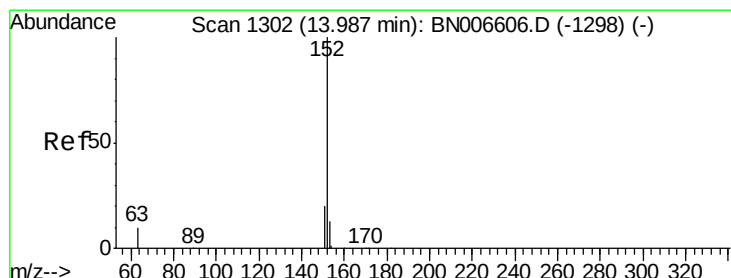
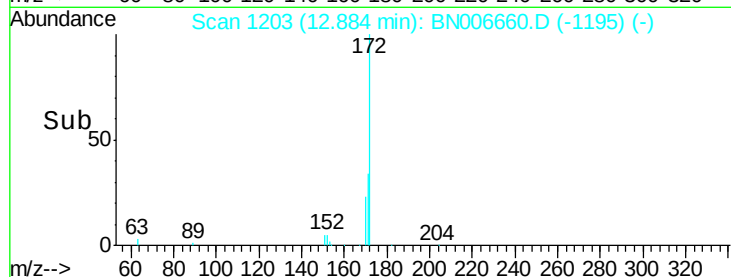
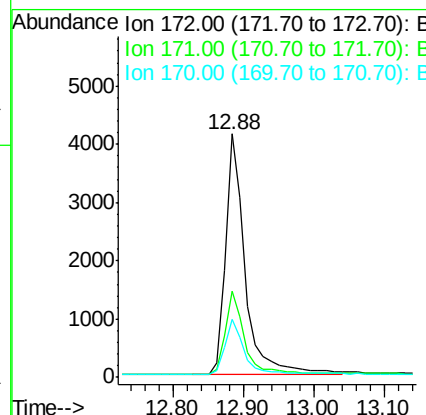
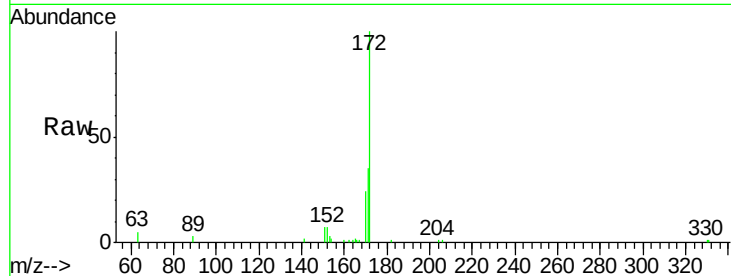
#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.0	40.4
170	24.0	17.7	26.5

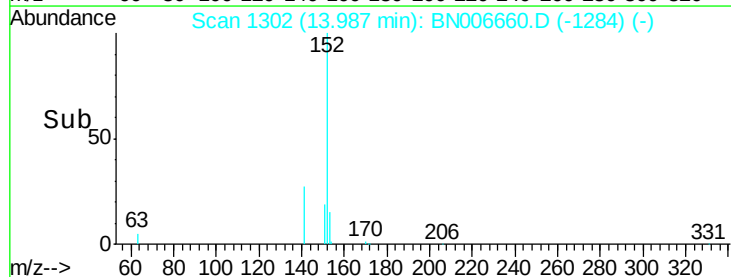
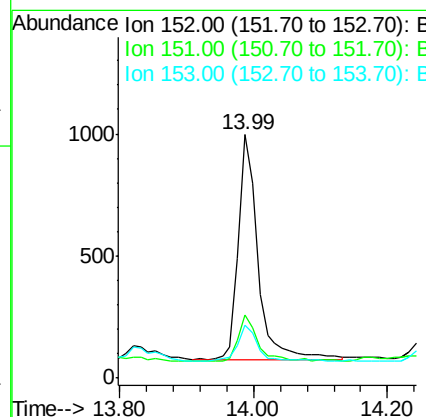
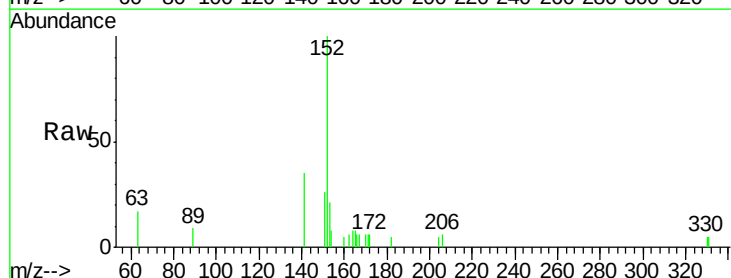
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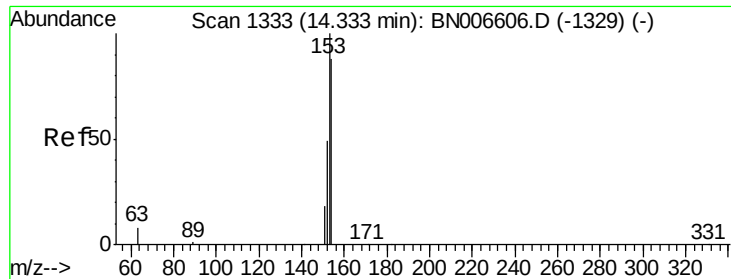
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#16
Acenaphthylene
Concen: 0.042 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.6	23.4
153	16.5	10.5	15.7





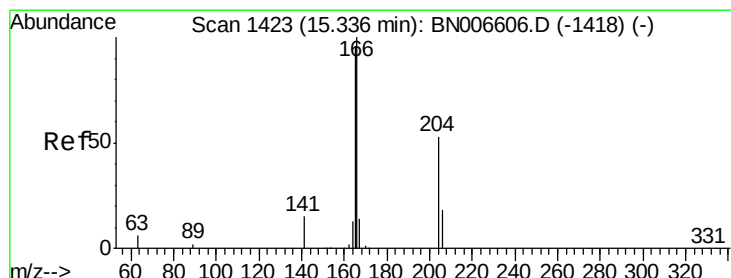
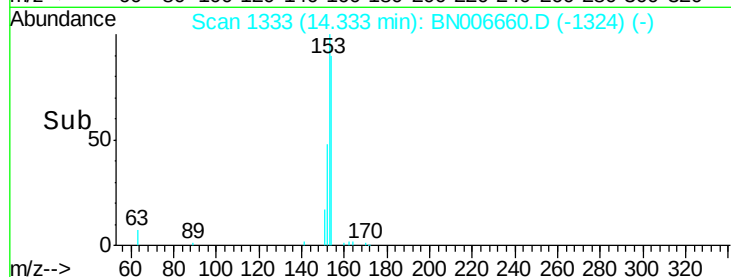
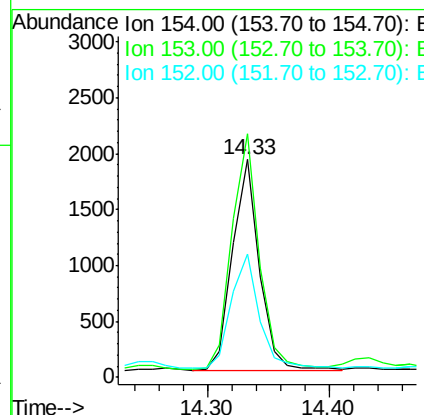
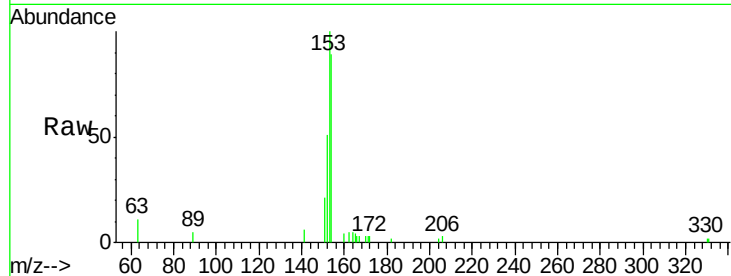
#17
Acenaphthene
Concen: 0.099 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.2	135.4
152	55.9	44.2	66.4

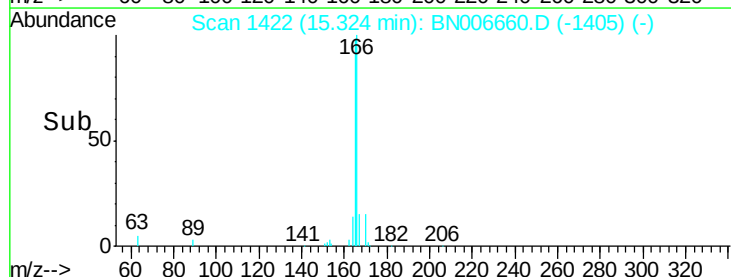
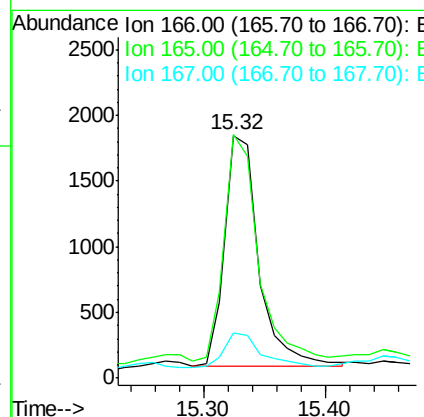
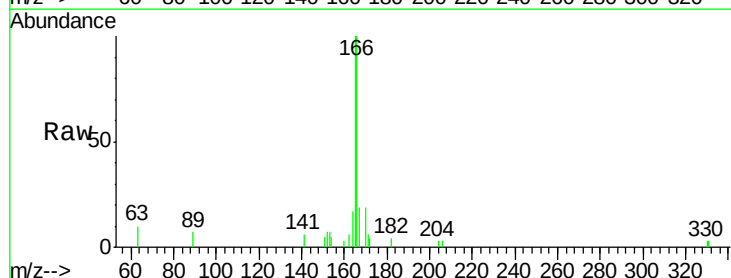
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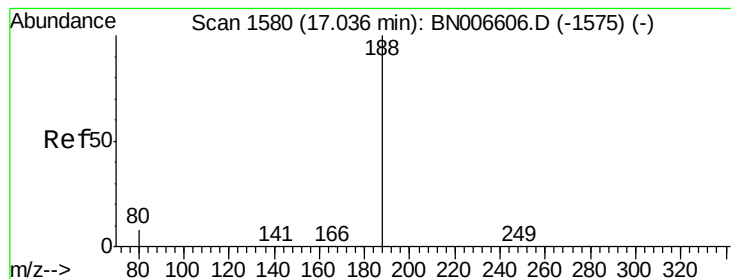
mohammad
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#18
Fluorene
Concen: 0.093 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.4	117.6
167	17.1	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: BN006660.D

Acq: 01 Jul 2019 14:45

Instrument :

BNA_N

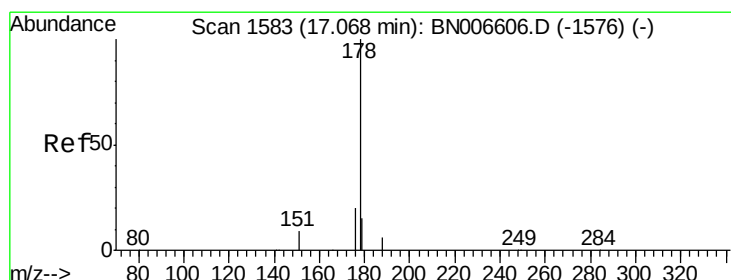
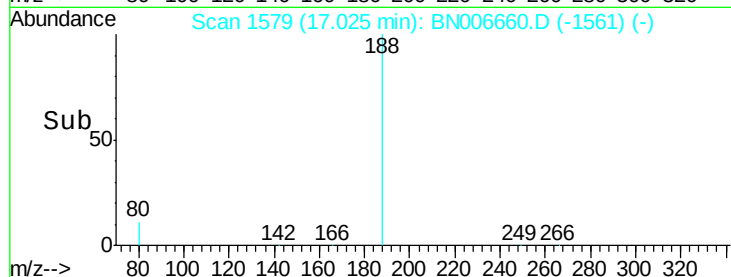
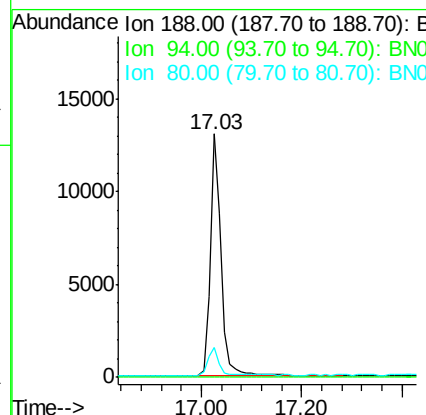
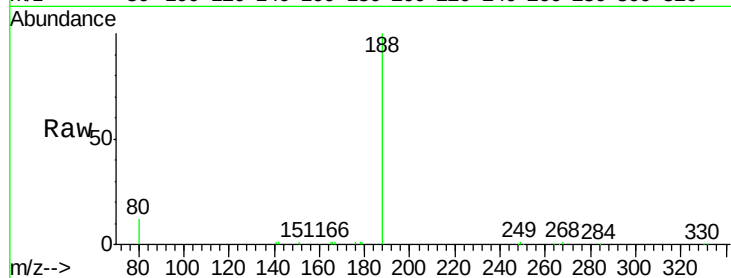
ClientSampleId :

PST-001-B018-062019

Tot Ion:	188	Resp:	20089
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.0	7.1	10.7#

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#23

Phenanthrene

Concen: 1.284 ng

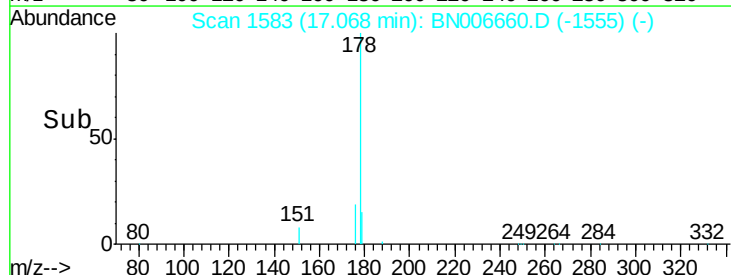
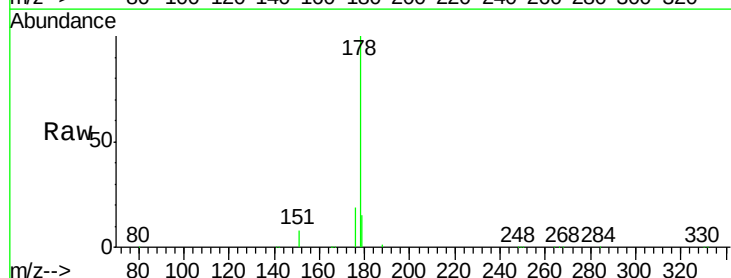
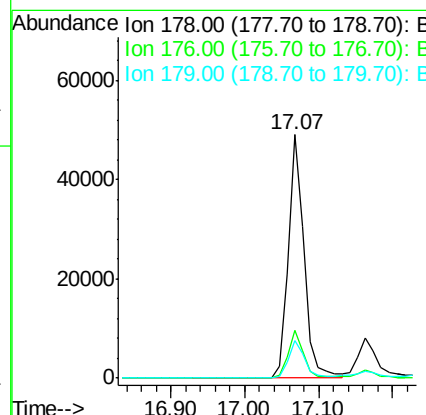
RT: 17.07 min Scan# 1583

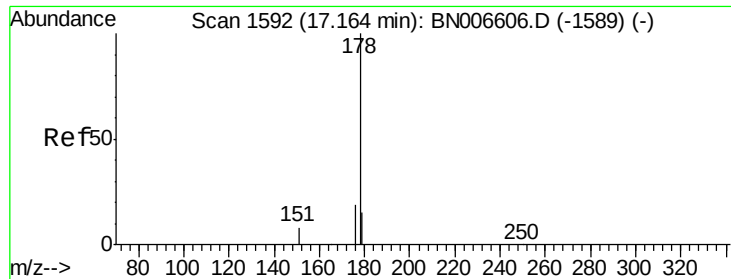
Delta R.T. -0.00 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Tgt Ion:	178	Resp:	73329
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	15.1	12.2	18.4





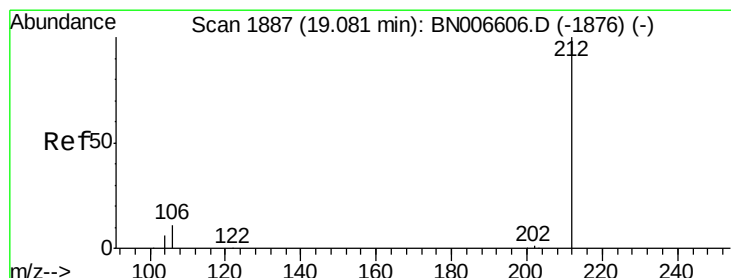
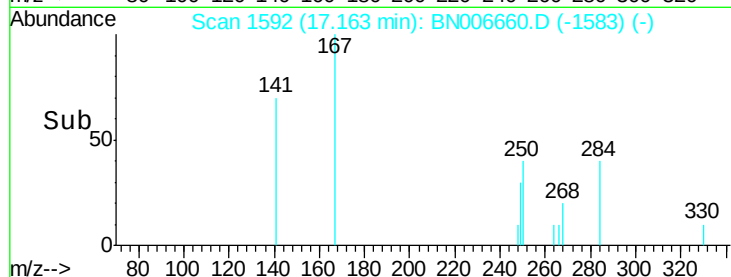
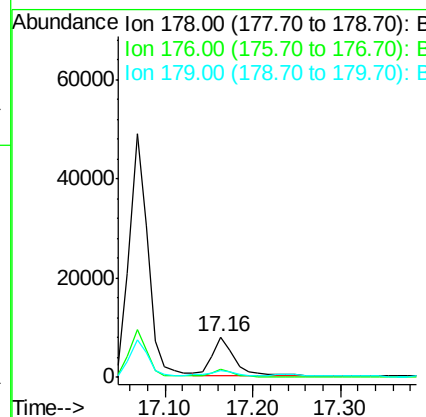
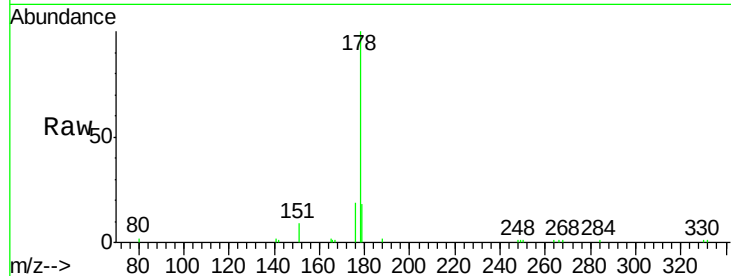
#24
 Anthracene
 Concen: 0.279 ng
 RT: 17.16 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BN006660.D
 Acq: 01 Jul 2019 14:45

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B018-062019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.6	12.2	18.2

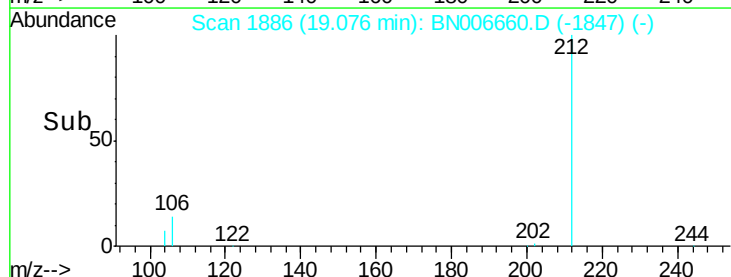
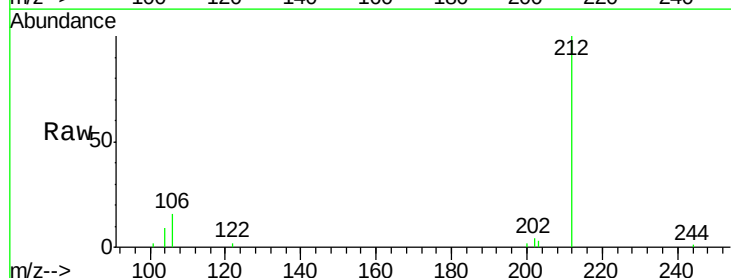
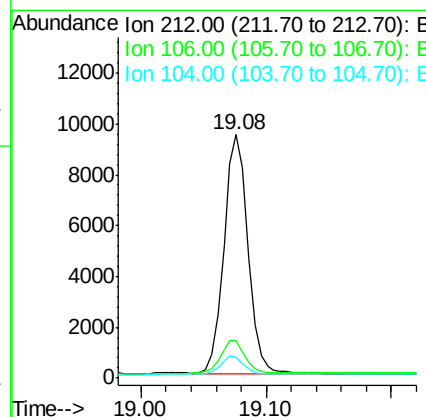
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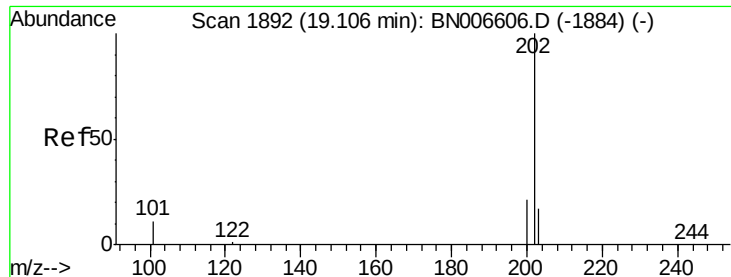
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#25
 Fluoranthene-d10
 Concen: 0.212 ng
 RT: 19.08 min Scan# 1886
 Delta R.T. -0.01 min
 Lab File: BN006660.D
 Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.5	10.6	15.8
104	8.5	5.8	8.6





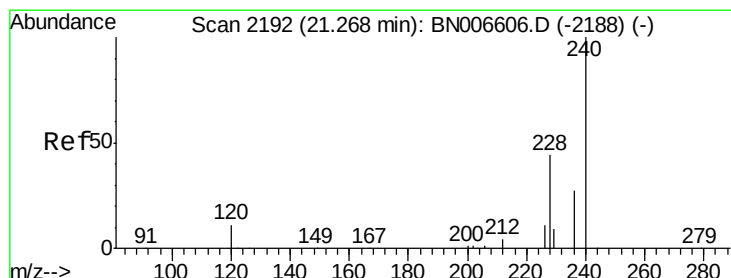
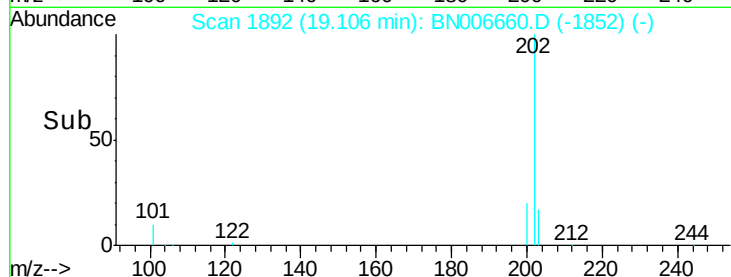
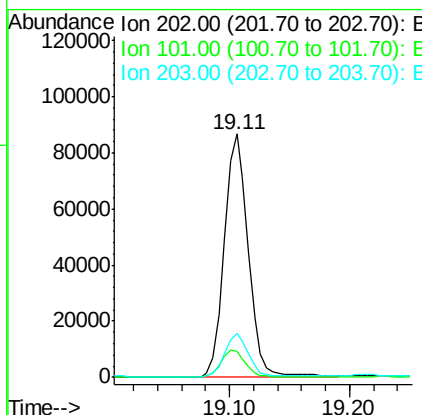
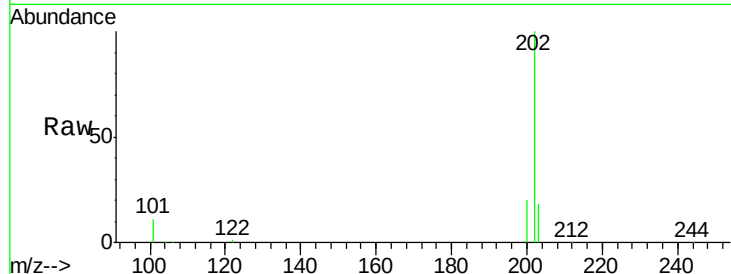
#26
Fluoranthene
Concen: 1.716 ng
RT: 19.11 min Scan# 1892
Delta R.T. -0.00 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	8.9	13.3
203	17.3	13.6	20.4

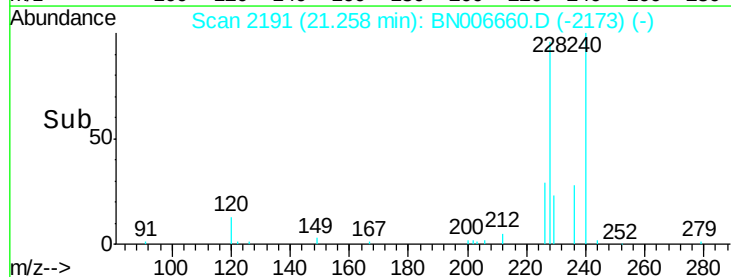
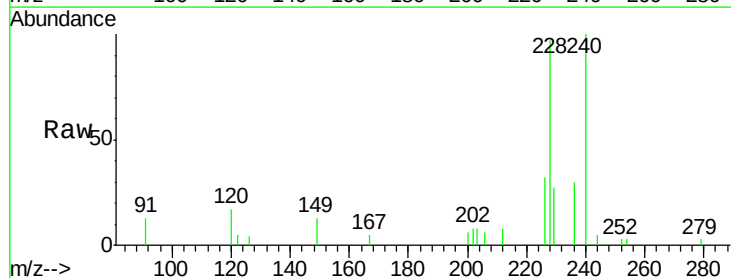
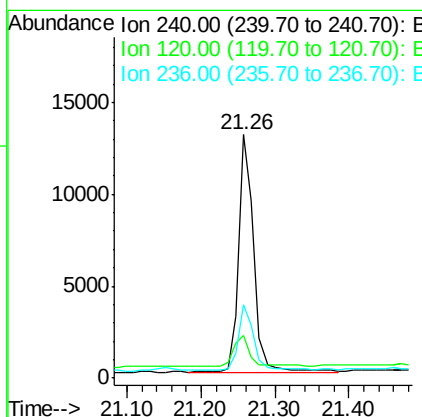
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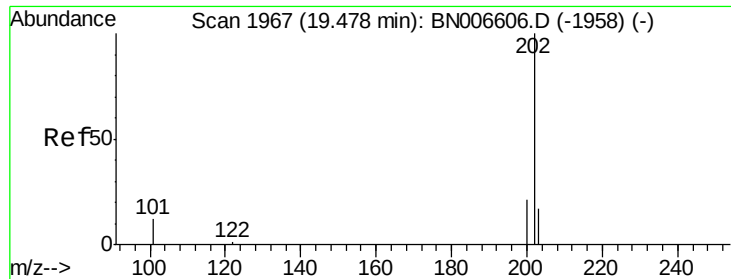
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.3	9.9	14.9#
236	30.1	22.2	33.4





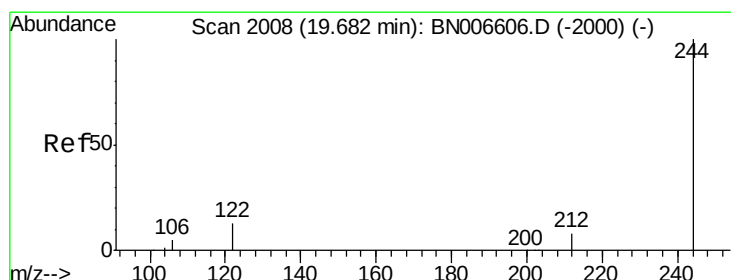
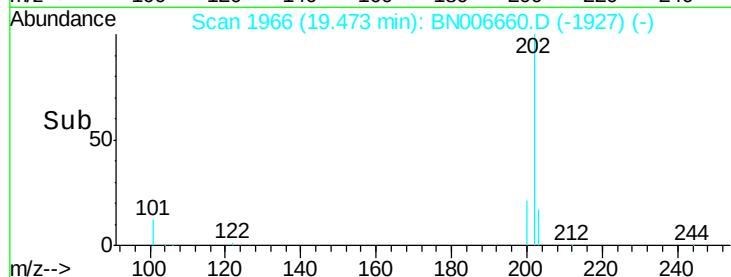
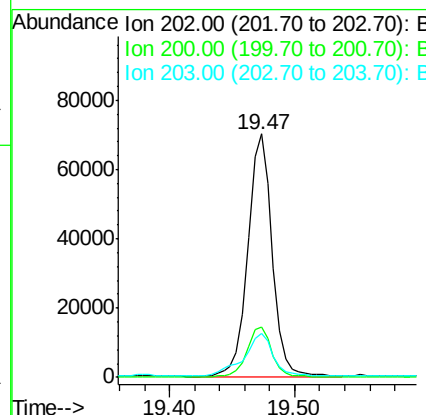
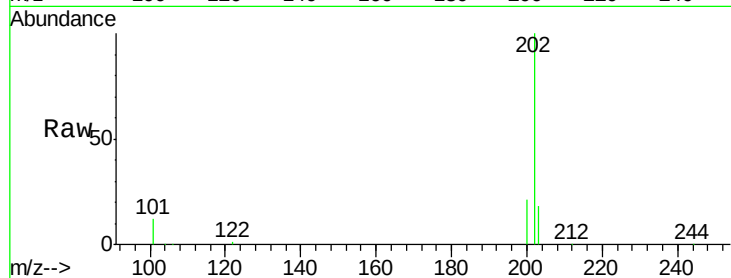
#28
Pvrene
Concen: 1.470 ng
RT: 19.47 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

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

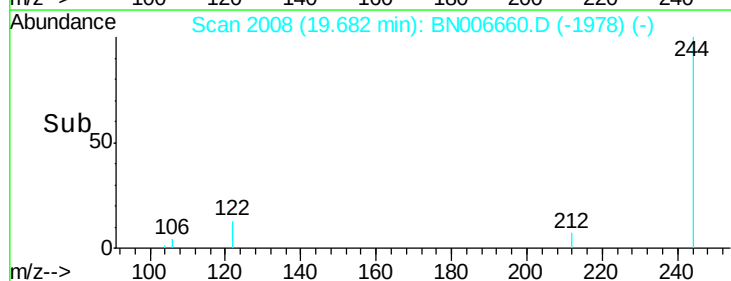
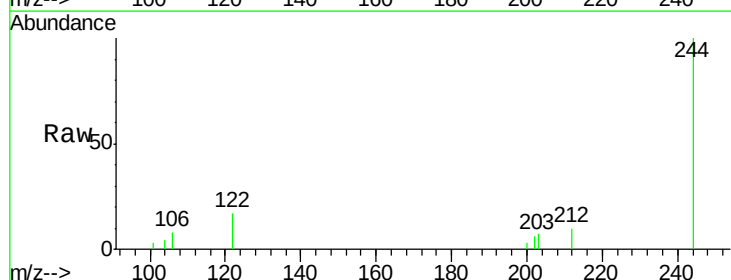
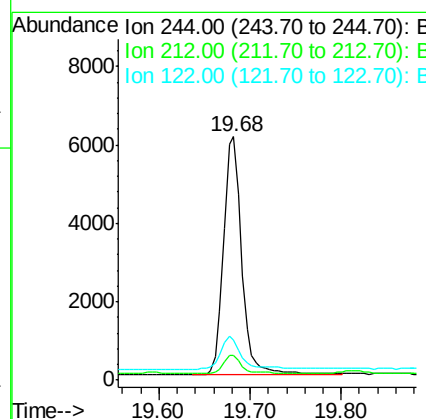
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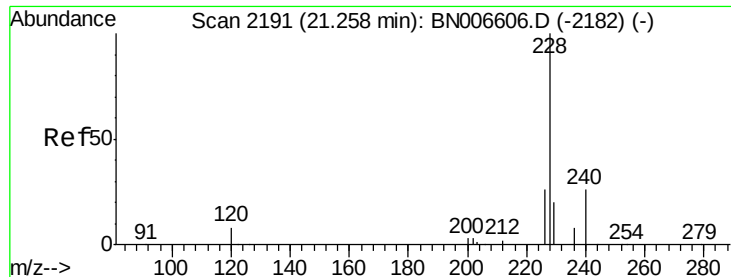
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#29
Terphenyl-d14
Concen: 0.221 ng
RT: 19.68 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.0	6.7	10.1
122	16.6	11.0	16.6#





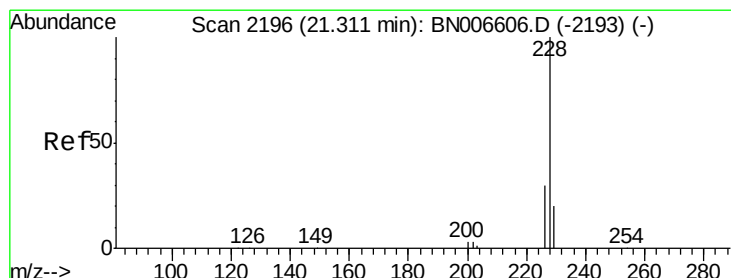
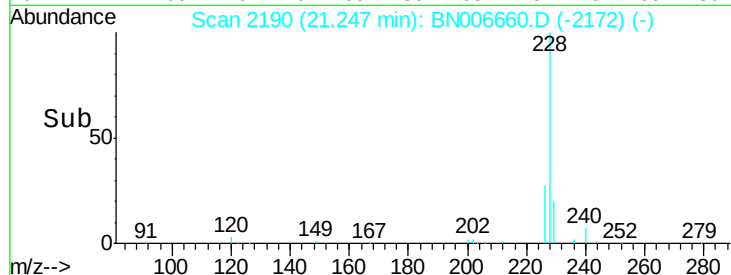
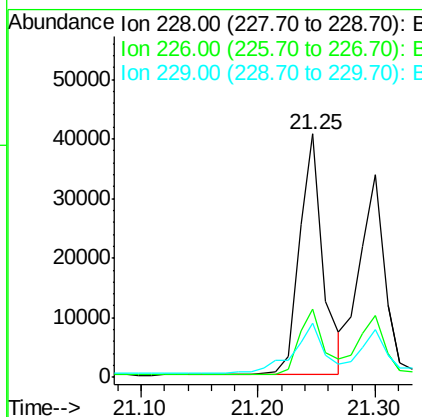
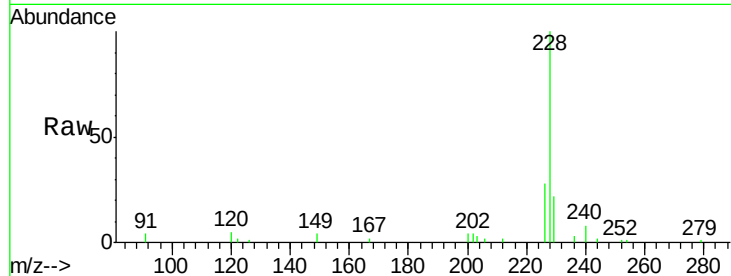
#30
Benzo(a)anthracene
Concen: 0.950 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.2	31.8
229	22.0	16.1	24.1

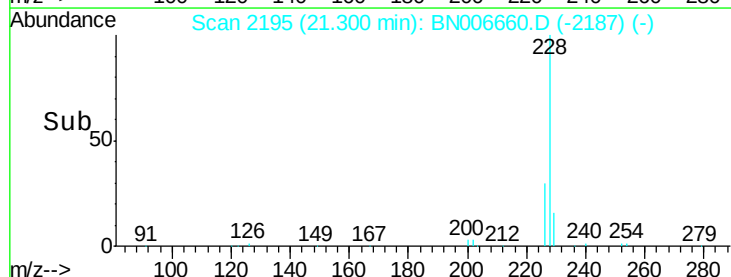
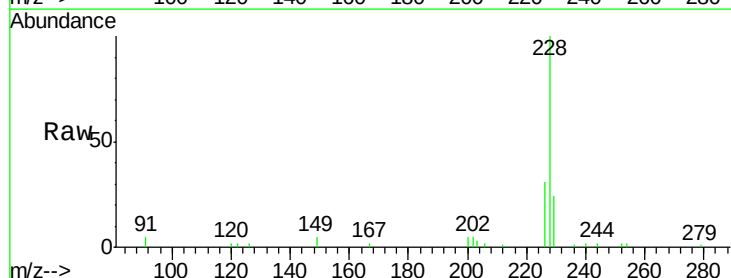
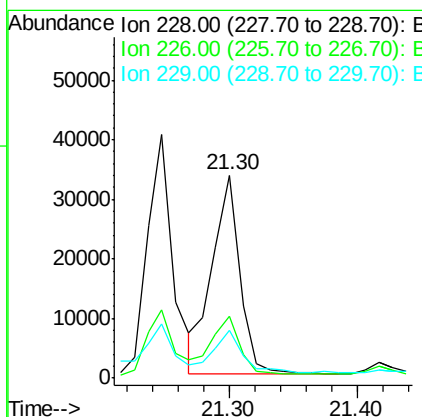
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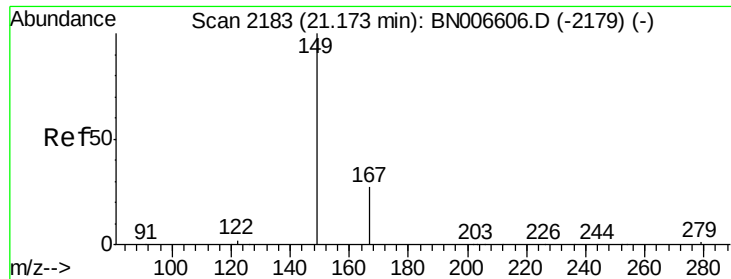
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#31
Chrysene
Concen: 0.776 ng
RT: 21.30 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	23.6	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.241 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Instrument :

BNA_N

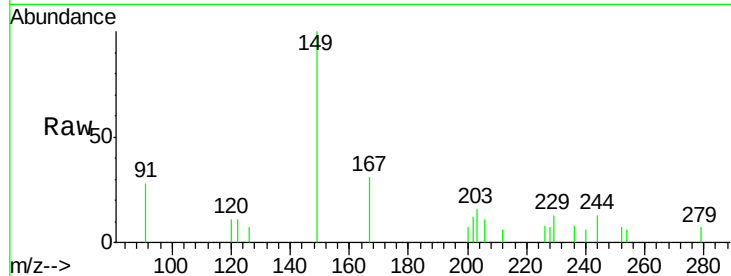
ClientSampleId :

PST-001-B018-062019

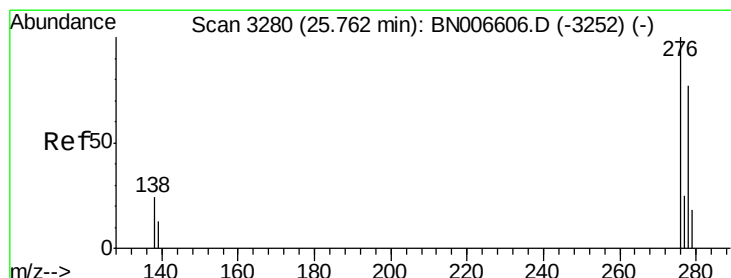
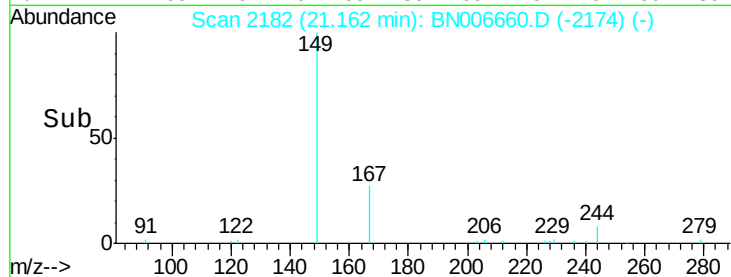
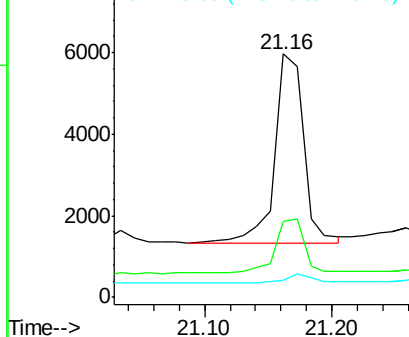
Tot Ion:	149	Resp:	7256
Ion Ratio	Lower	Upper	
149	100		
167	28.9	22.9	34.3
279	4.8	3.3	4.9

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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: 0.472 ng

RT: 25.74 min Scan# 3274

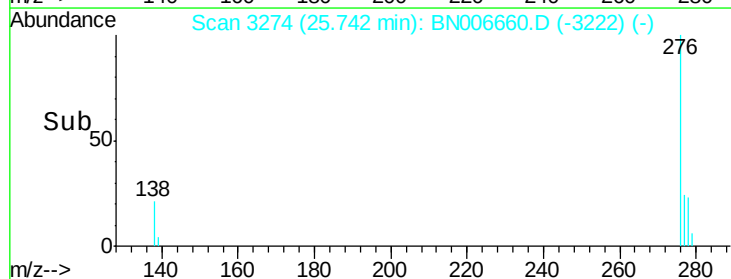
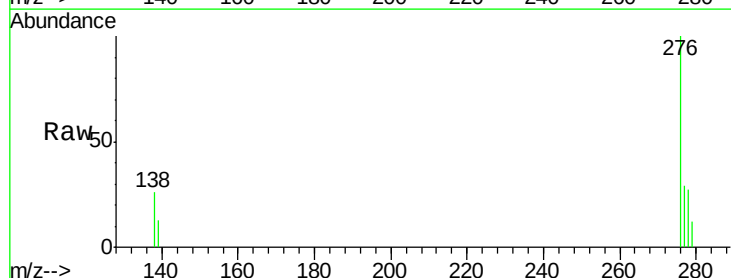
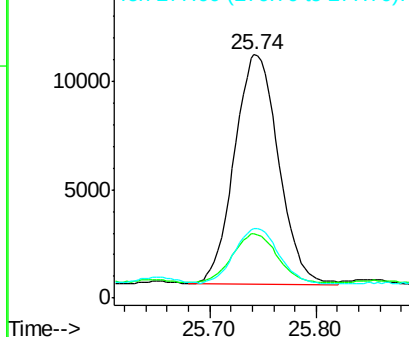
Delta R.T. -0.02 min

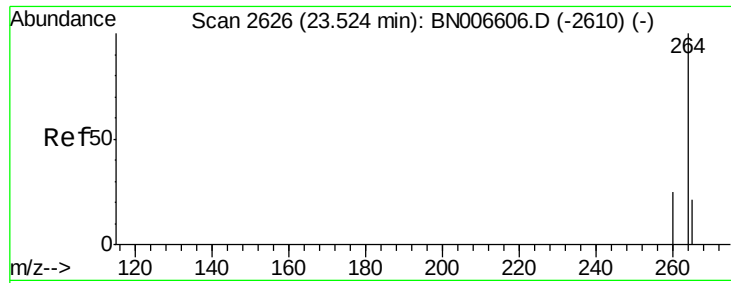
Lab File: BN006660.D

Acq: 01 Jul 2019 14:45

Tgt Ion:	276	Resp:	30821
Ion Ratio	Lower	Upper	
276	100		
138	21.6	19.3	28.9
277	23.8	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





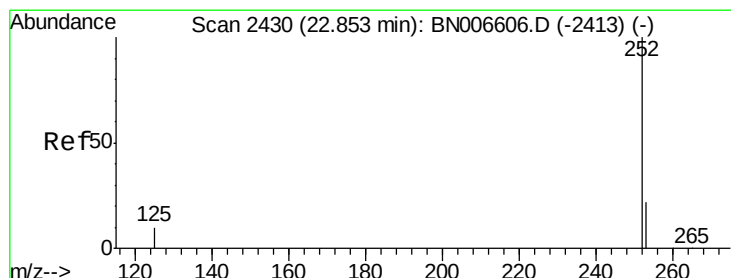
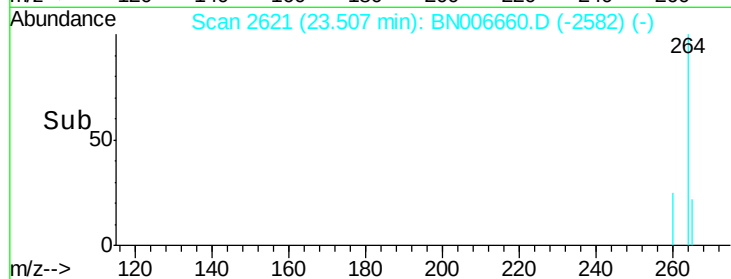
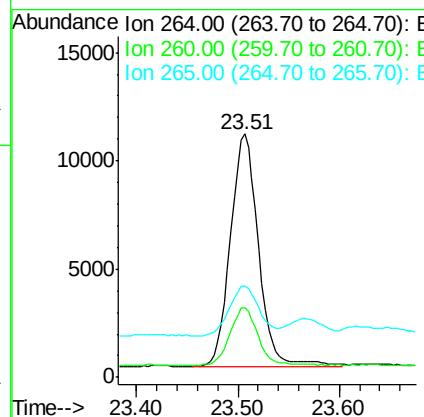
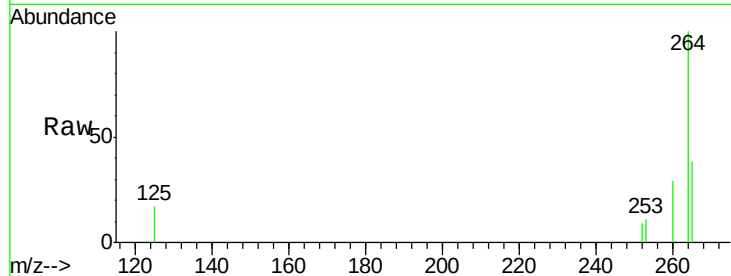
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.51 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.7	20.2	30.2
265	37.6	23.3	34.9

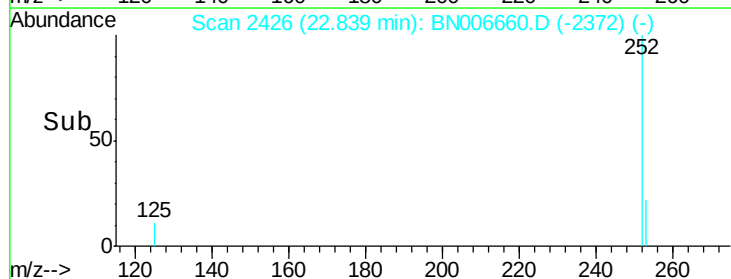
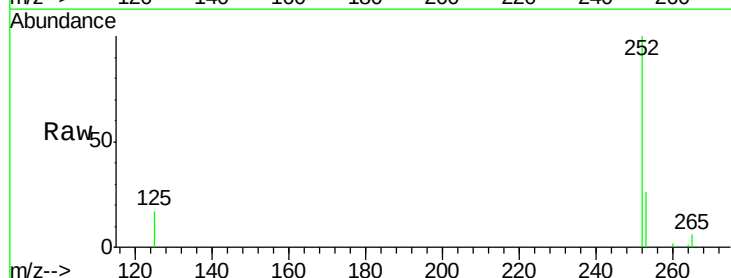
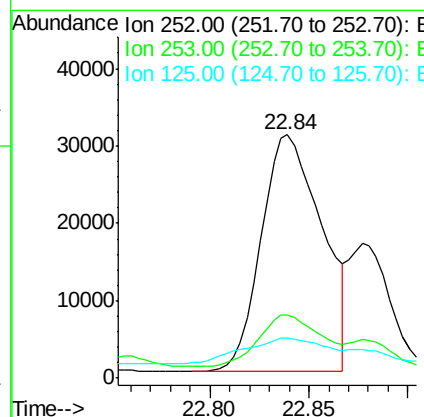
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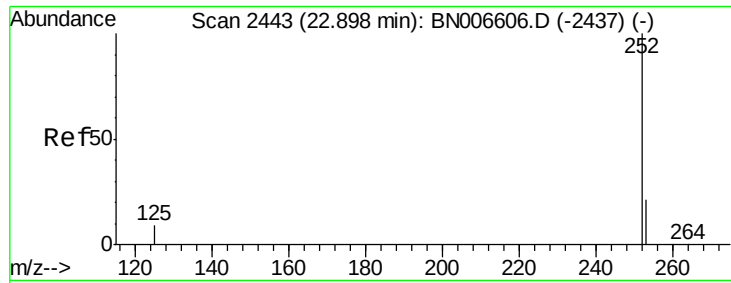
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#35
Benzo(b)fluoranthene
Concen: 0.928 ng
RT: 22.84 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.4	27.6
125	16.5	8.7	13.1





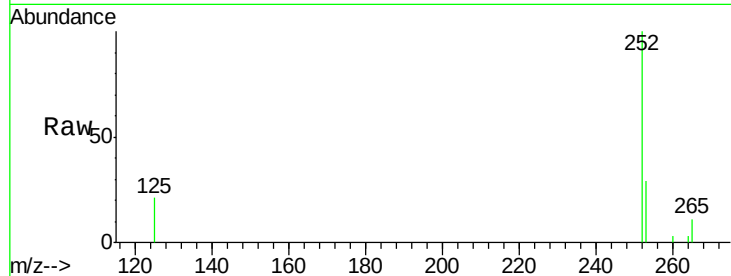
#36
Benzo(k)fluoranthene
Concen: 0.328 ng m
RT: 22.88 min Scan# 2437
Delta R.T. -0.02 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Instrument :
BNA_N
ClientSampleId :
PST-001-B018-062019

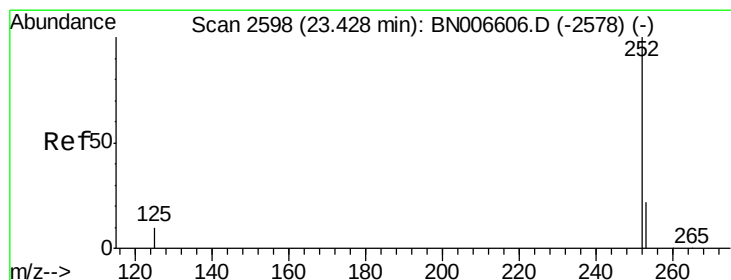
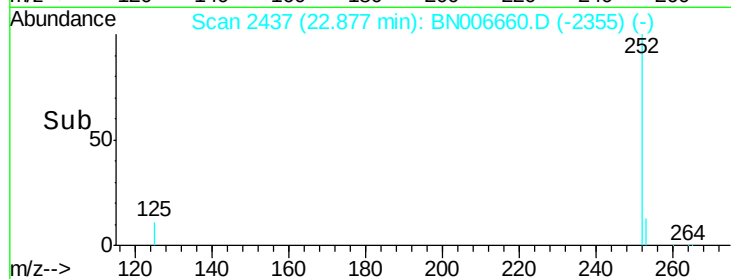
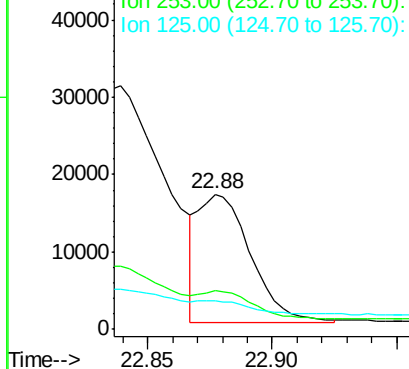
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.3	27.5#
125	21.3	8.4	12.6#

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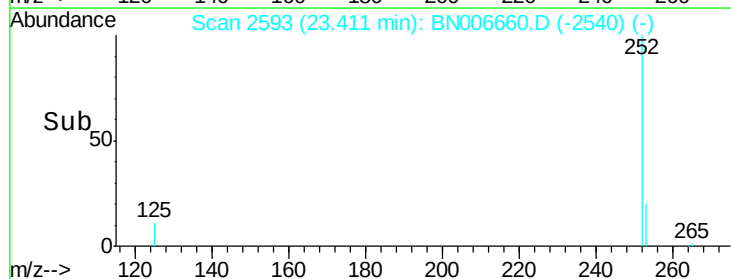
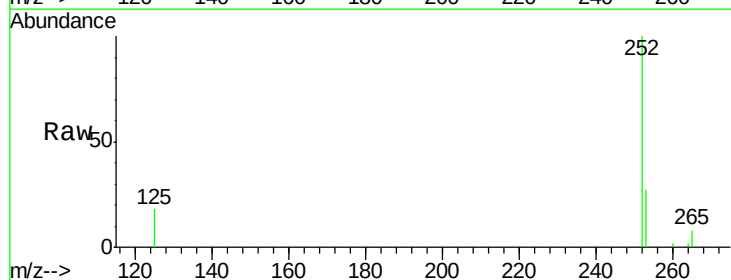
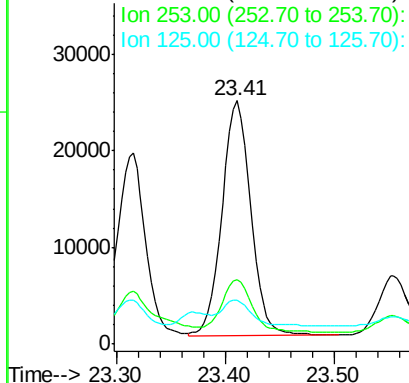
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

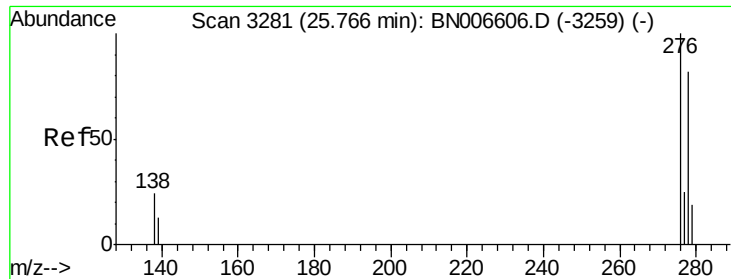


#37
Benzo(a)pyrene
Concen: 0.673 ng
RT: 23.41 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BN006660.D
Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.8	28.2
125	18.3	9.4	14.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





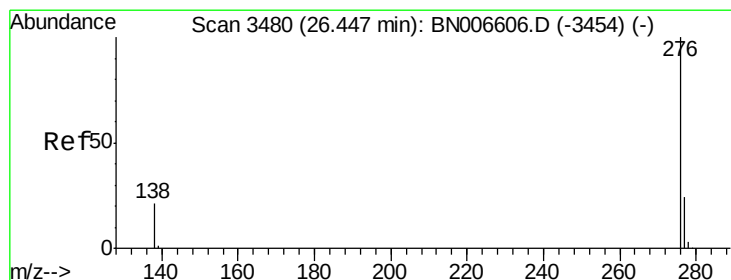
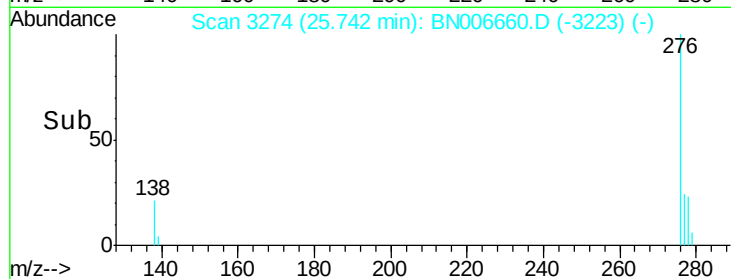
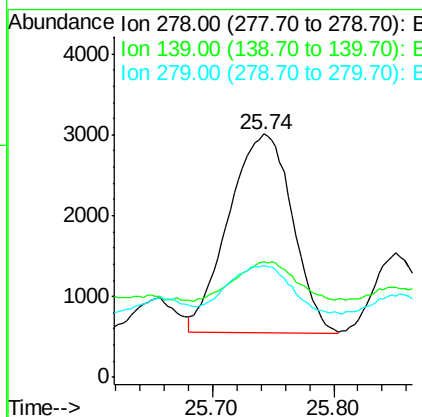
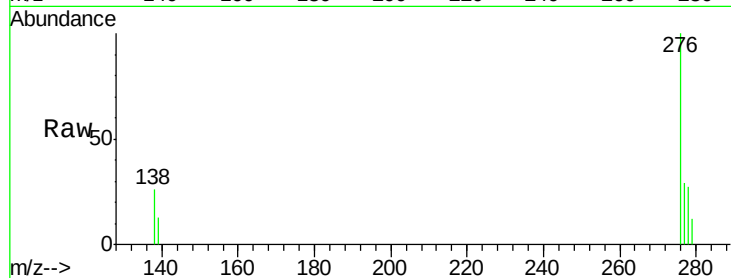
#38
 Dibenzo(a,h)anthracene
 Concen: 0.156 ng
 RT: 25.74 min Scan# 3274
 Delta R.T. -0.02 min
 Lab File: BN006660.D
 Acq: 01 Jul 2019 14:45

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B018-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	47.5	13.5	20.3#
279	46.1	19.4	29.2#

Manual Integrations
 APPROVED

mohammad
 7/2/2019 2:52:18 PM



#39
 Benzo(g,h,i)perylene
 Concen: 0.528 ng
 RT: 26.43 min Scan# 3476
 Delta R.T. -0.01 min
 Lab File: BN006660.D
 Acq: 01 Jul 2019 14:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.6	29.4
138	26.7	17.7	26.5#

