

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006665.D
 Acq On : 01 Jul 2019 17:38
 Operator : HP/JU
 Sample : K3504-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B017-062019

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Quant Time: Jul 02 05:38:37 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	4444	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	17244	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9418	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	20209	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	18381	0.40	ng	-0.01
34) Perylene-d12	23.49	264	20863	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	2842	0.26	ng	0.00
5) Phenol-d6	6.82	99	3858	0.27	ng	0.00
8) Nitrobenzene-d5	8.79	82	2461	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	6027	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	1090	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.88	172	8050	0.23	ng	-0.01
25) Fluoranthene-d10	19.08	212	11763	0.20	ng	0.00
29) Terphenyl-d14	19.68	244	8031	0.21	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	2627	0.058	ng	# 88
12) 2-Methylnaphthalene	12.07	142	947	0.030	ng	# 88
16) Acenaphthylene	13.99	152	4450	0.099	ng	99
17) Acenaphthene	14.33	154	1012	0.034	ng	95
18) Fluorene	15.34	166	1935	0.052	ng	# 92
23) Phenanthrene	17.07	178	27478	0.478	ng	100
24) Anthracene	17.16	178	4878	0.098	ng	99
26) Fluoranthene	19.11	202	34077	0.488	ng	99
28) Pyrene	19.47	202	33083	0.514	ng	97
30) Benzo(a)anthracene	21.24	228	15200	0.253	ng	92
31) Chrysene	21.29	228	17369m	0.268	ng	
32) Bis(2-ethylhexyl)phthalate	21.16	149	6079	0.201	ng	99
33) Indeno(1,2,3-cd)pyrene	25.73	276	9213	0.141	ng	97
35) Benzo(b)fluoranthene	22.83	252	18714	0.264	ng	# 80
36) Benzo(k)fluoranthene	22.87	252	7532m	0.100	ng	
37) Benzo(a)pyrene	23.39	252	13909	0.210	ng	# 78
38) Dibenzo(a,h)anthracene	25.72	278	2544	0.044	ng	# 8
39) Benzo(a,h,i)perylene	26.41	276	9681	0.167	ng	# 85

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

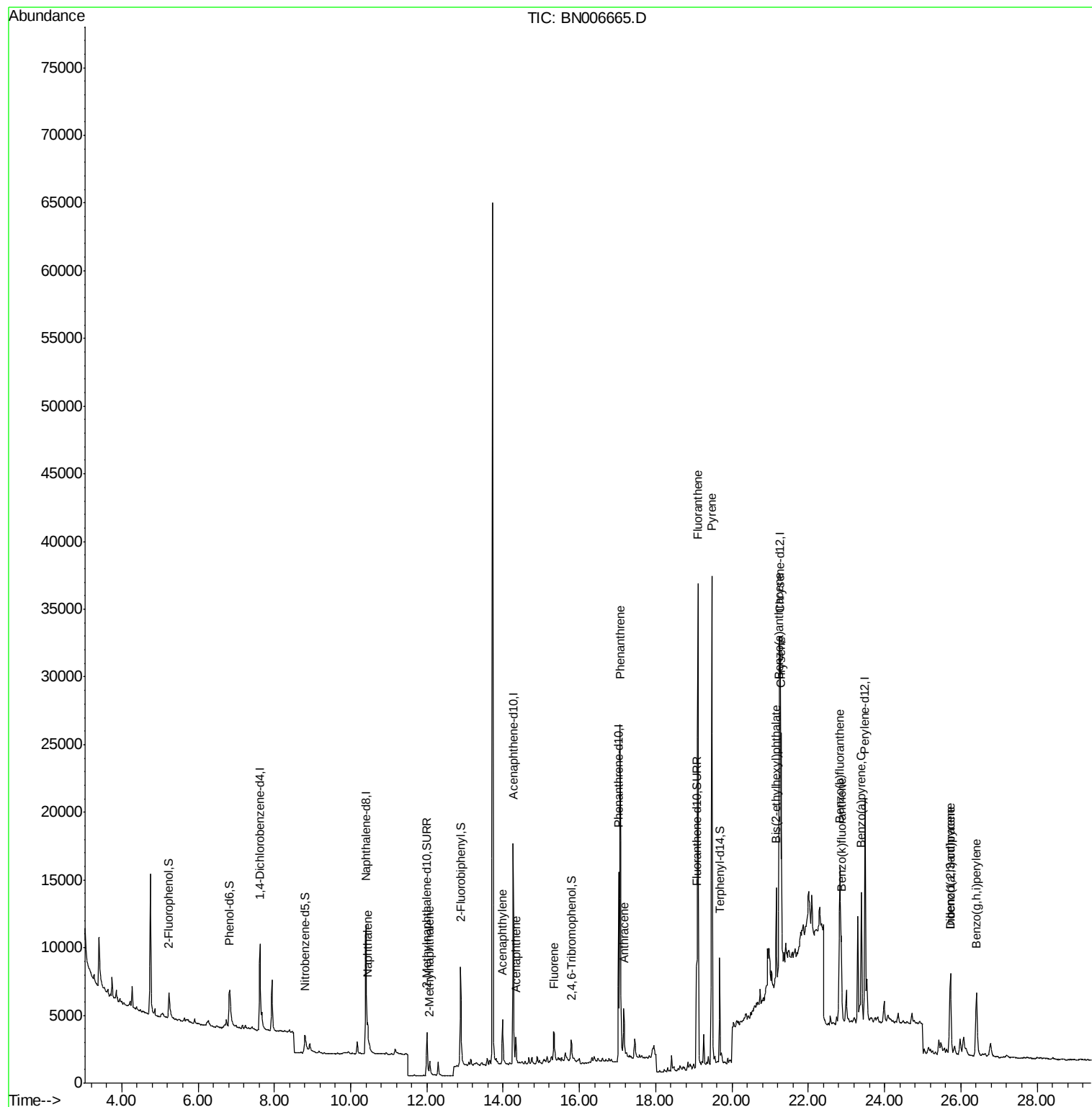
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
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Quant Time: Jul 02 05:38:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M
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#1

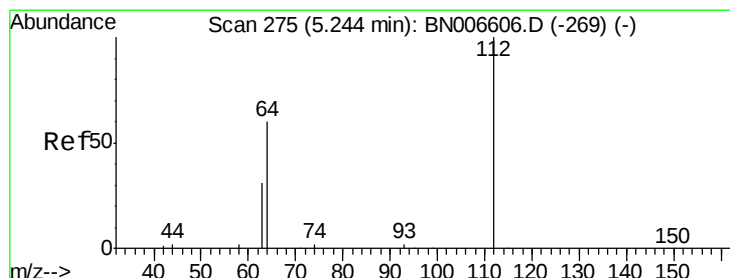
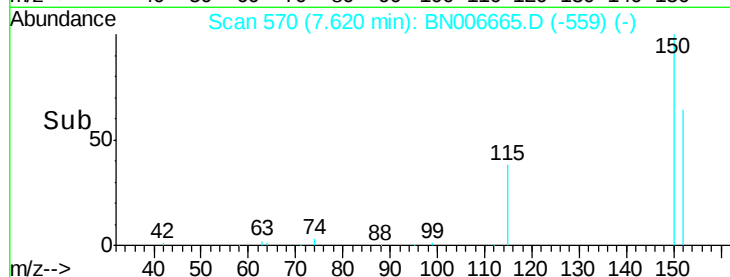
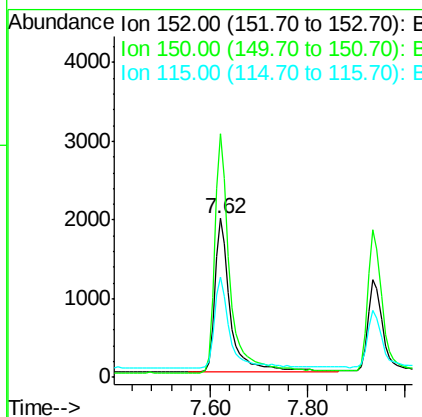
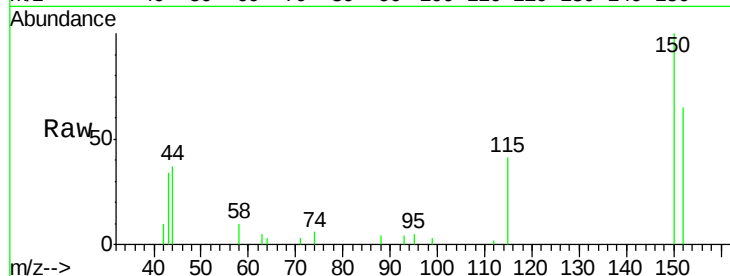
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
ClientSampleId :
PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.2	183.2
115	62.8	50.0	75.0

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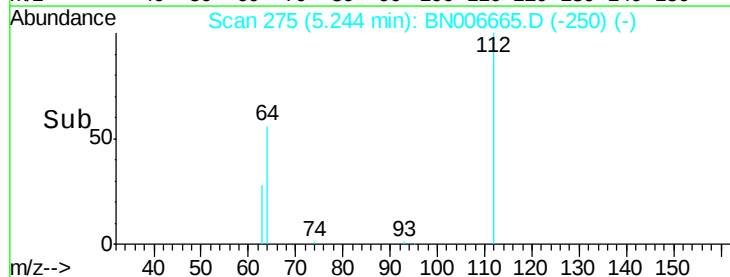
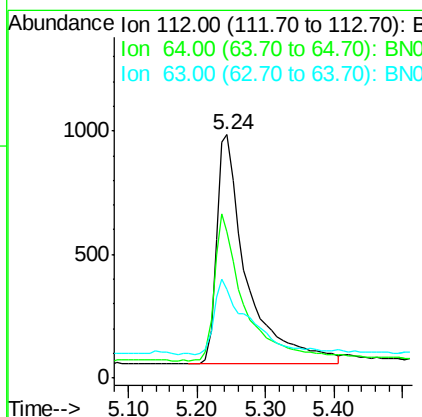
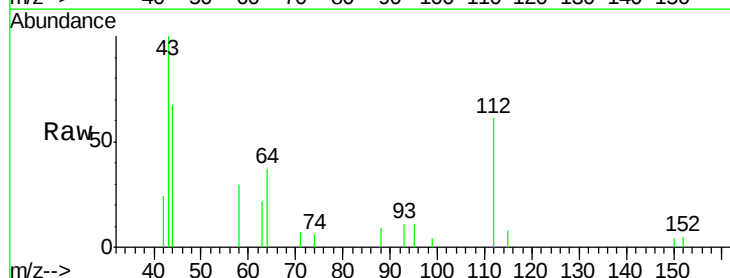
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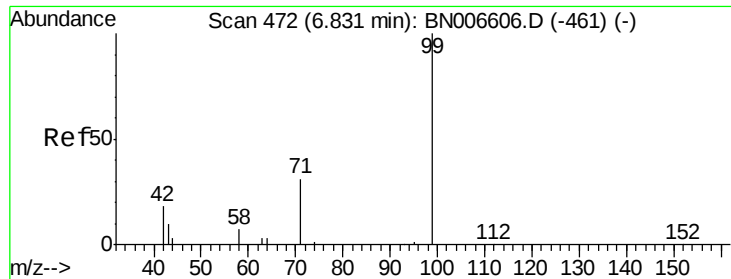


#4

2-Fluorophenol
Concen: 0.261 ng
RT: 5.24 min Scan# 275
Delta R.T. 0.00 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	48.9	73.3
63	38.3	24.3	36.5





#5

Phenol-d6

Concen: 0.267 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Instrument :

BNA_N

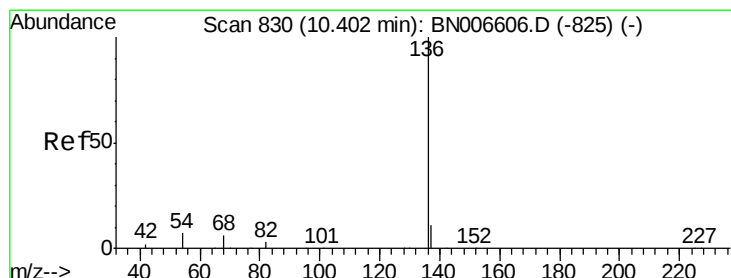
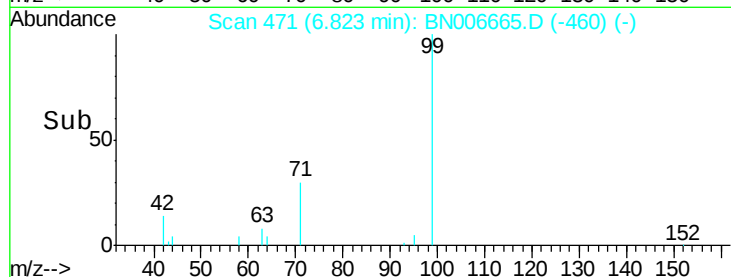
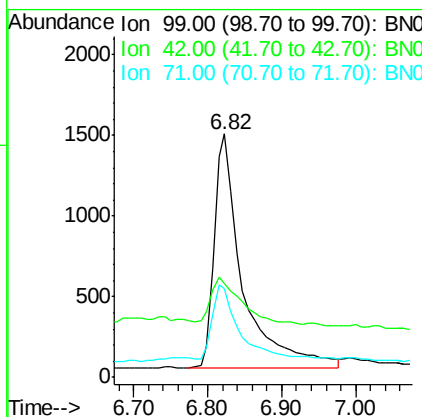
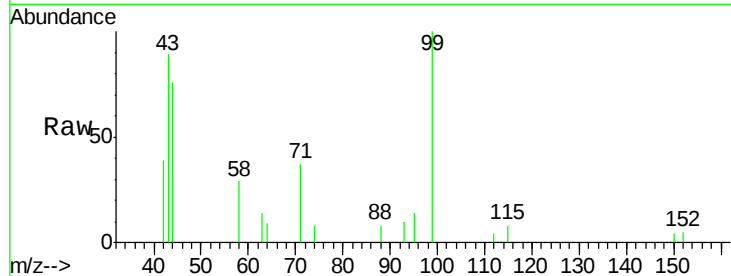
ClientSampleId :

PST-001-B017-062019

Tot Ion:	99	Resp:	3858
Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.4	24.6
71	28.6	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

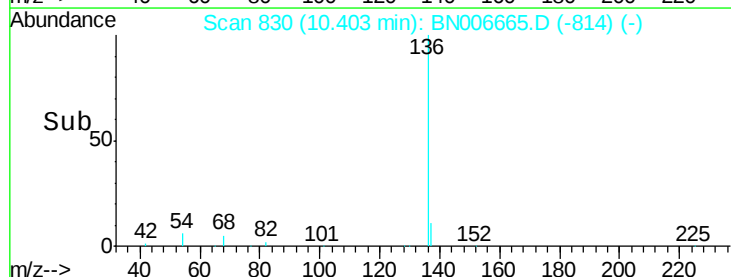
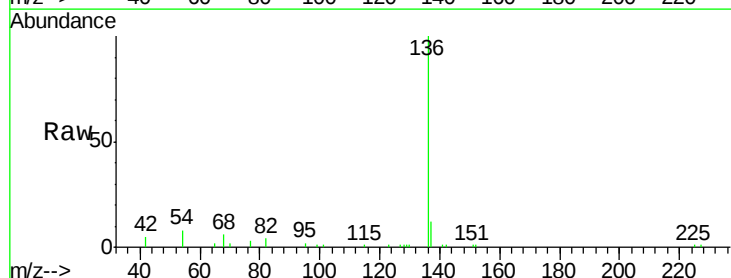
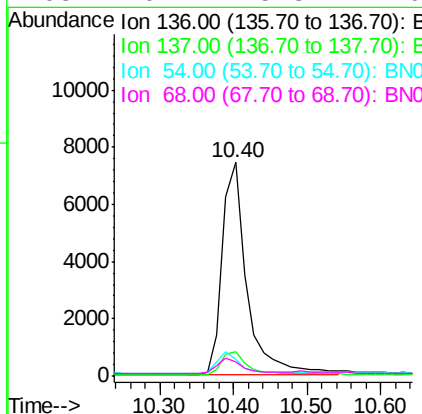
RT: 10.40 min Scan# 830

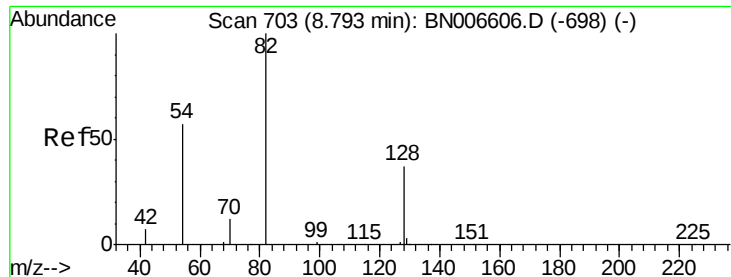
Delta R.T. 0.00 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Tgt Ion:	136	Resp:	17244
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	7.9	6.7	10.1
68	6.4	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.212 ng

RT: 8.79 min Scan# 703

Delta R.T. 0.00 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Instrument :

BNA_N

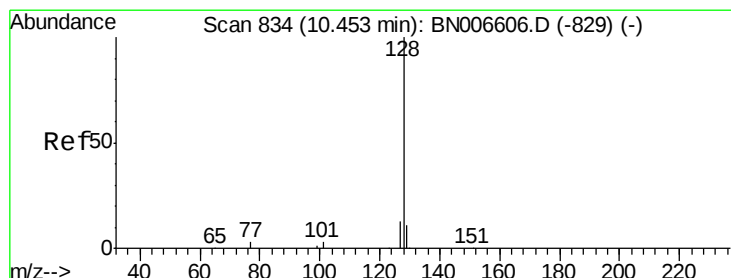
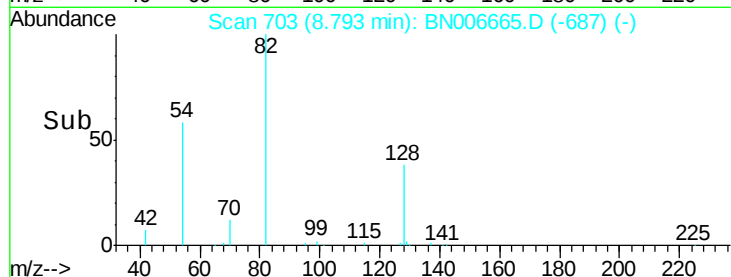
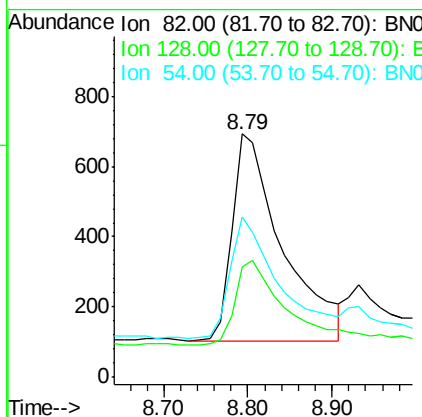
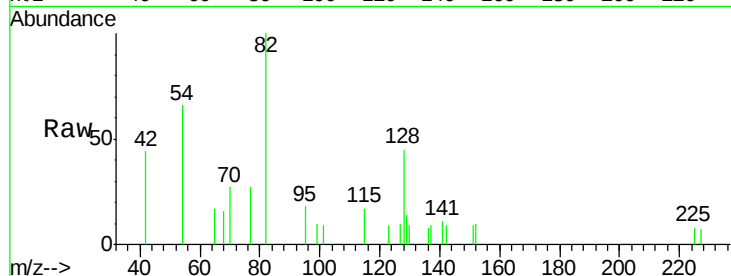
ClientSampleId :

PST-001-B017-062019

Tot Ion:	82	Resp:	2461
Ion	Ratio	Lower	Upper
82	100		
128	45.2	32.6	49.0
54	65.7	48.2	72.4

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#9

Naphthalene

Concen: 0.058 ng

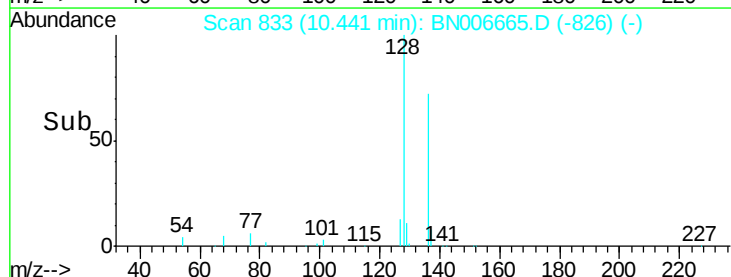
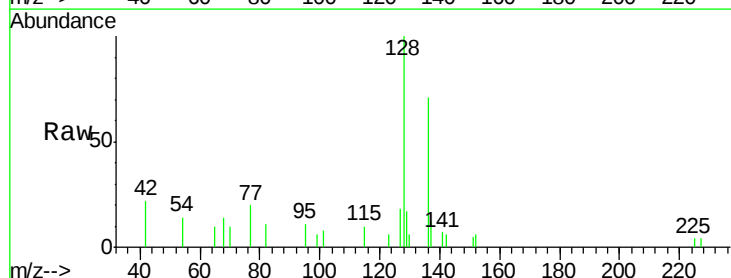
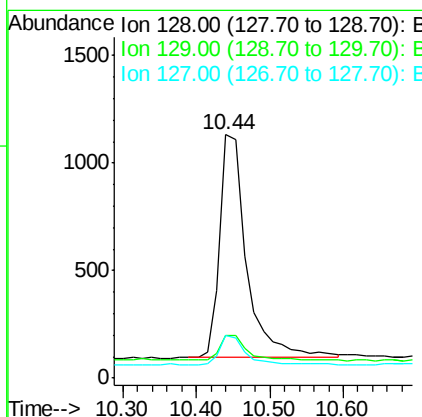
RT: 10.44 min Scan# 833

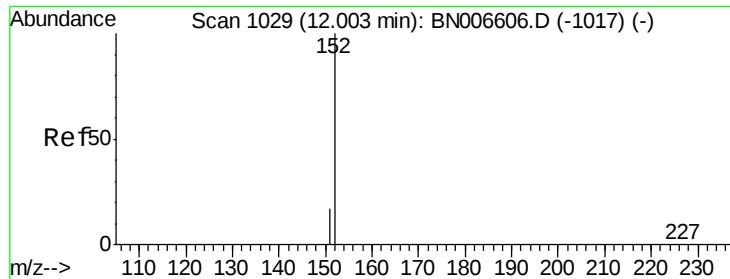
Delta R.T. -0.01 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Tgt Ion:	128	Resp:	2627
Ion	Ratio	Lower	Upper
128	100		
129	17.3	9.3	13.9#
127	17.6	10.8	16.2#





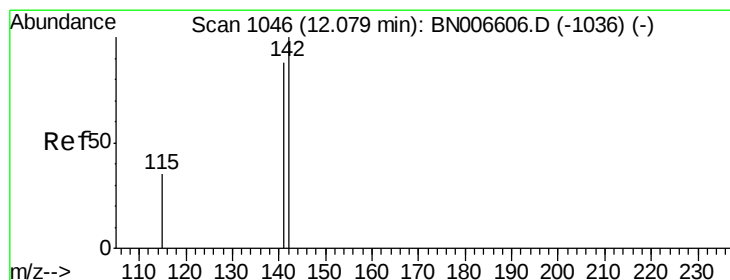
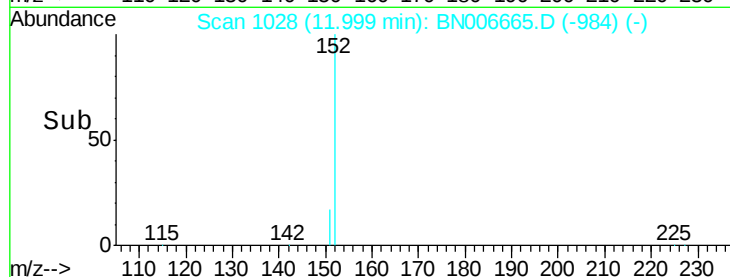
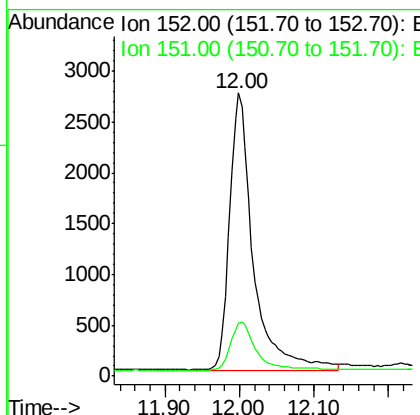
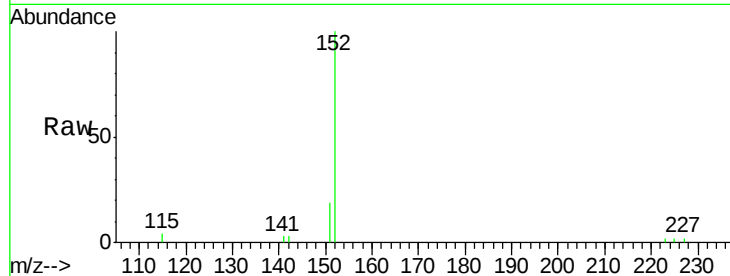
#11
2-Methylnaphthalene-d10
Concen: 0.222 ng
RT: 12.00 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
ClientSampleId :
PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.0	22.4

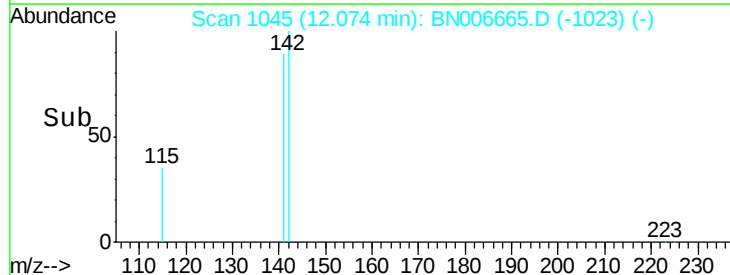
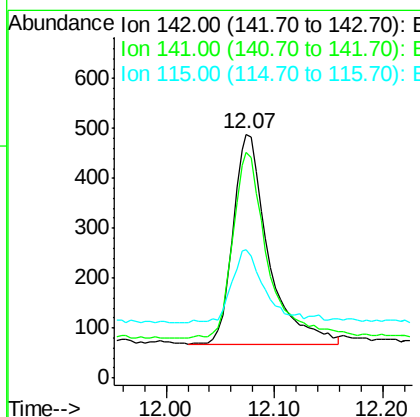
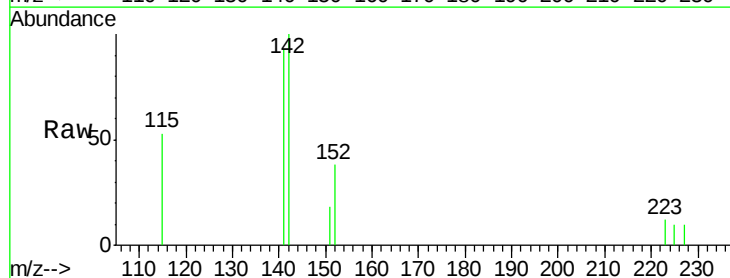
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#12
2-Methylnaphthalene
Concen: 0.030 ng
RT: 12.07 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	70.2	105.4
115	52.9	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: BN006665.D

Acq: 01 Jul 2019 17:38

Instrument :

BNA_N

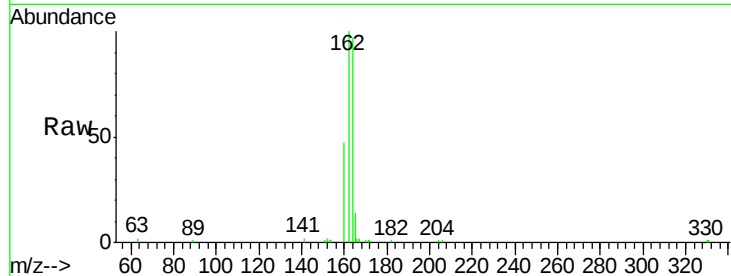
ClientSampleId :

PST-001-B017-062019

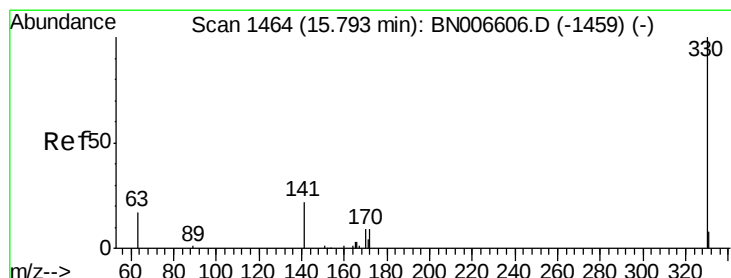
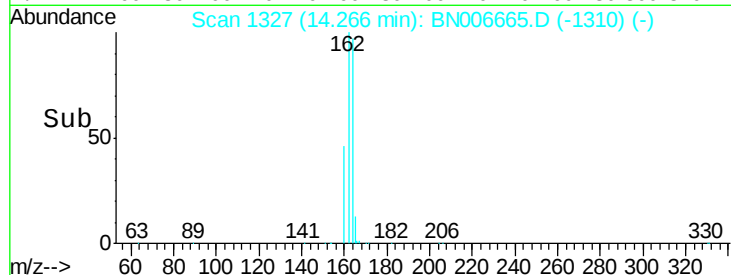
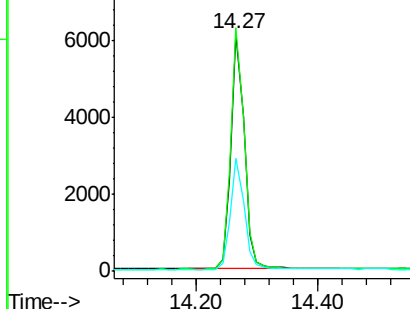
Tot Ion:	164	Resp:	9418
Ion Ratio	Lower	Upper	
164	100		
162	102.6	80.0	120.0
160	47.8	37.0	55.4

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.246 ng

RT: 15.79 min Scan# 1464

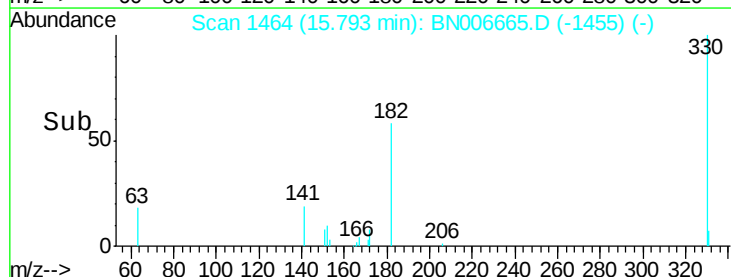
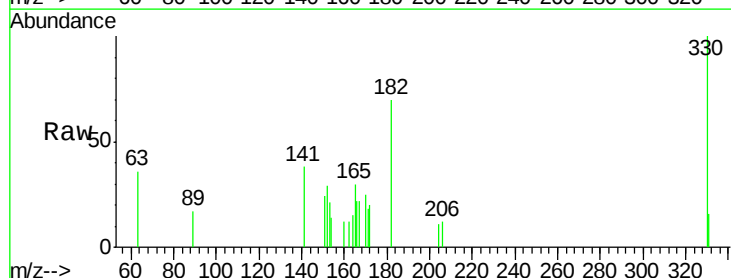
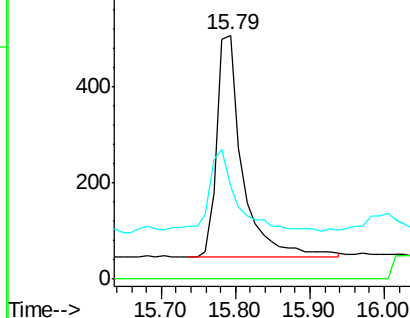
Delta R.T. 0.00 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Tgt Ion:	330	Resp:	1090
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	40.7	26.5	39.7#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





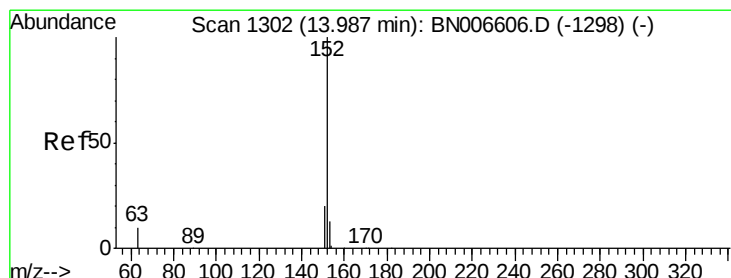
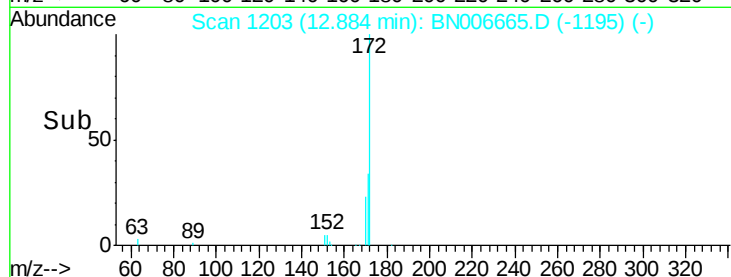
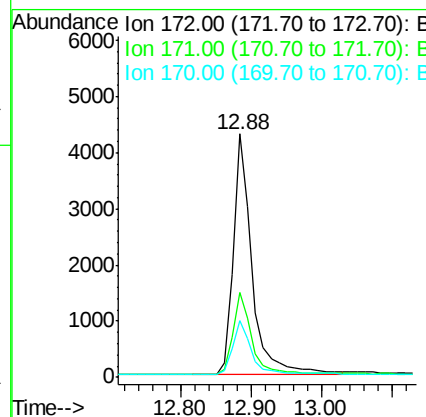
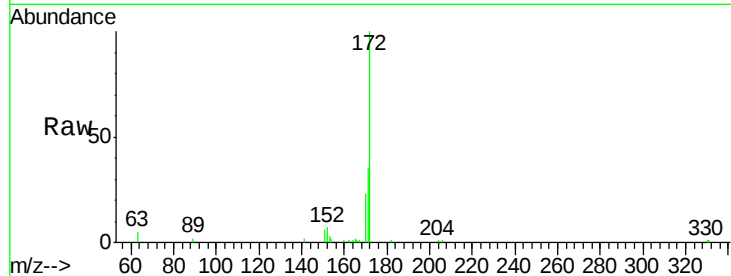
#15
2-Fluorobiphenyl
Concen: 0.231 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
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PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.0	40.4
170	23.5	17.7	26.5

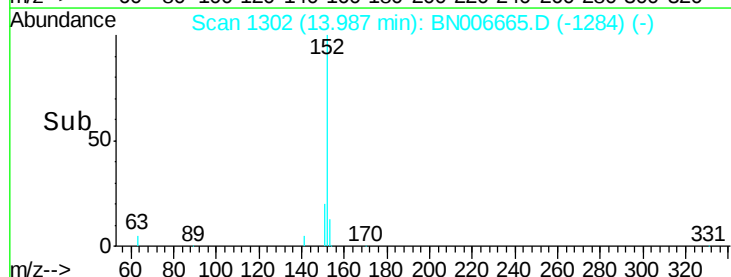
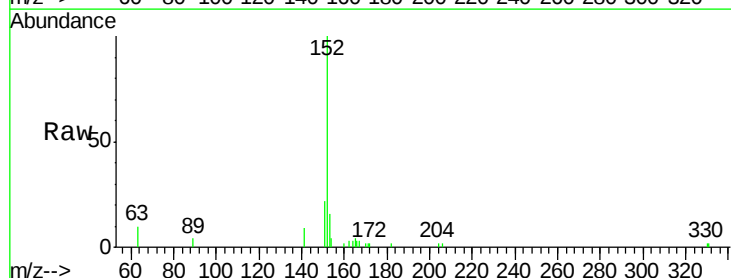
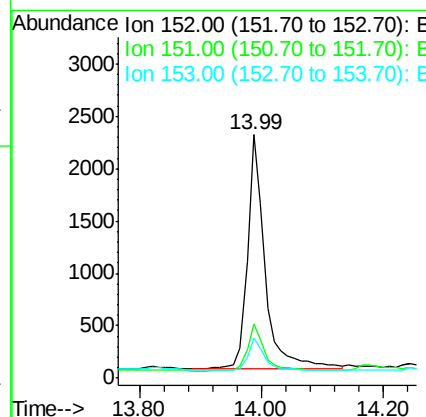
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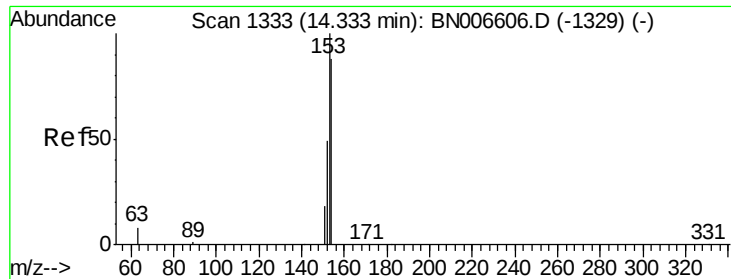
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#16
Acenaphthylene
Concen: 0.099 ng
RT: 13.99 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.6	23.4
153	12.9	10.5	15.7





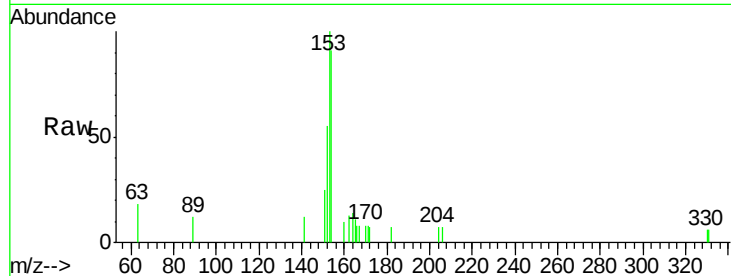
#17
Acenaphthene
Concen: 0.034 ng
RT: 14.33 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
ClientSampleId :
PST-001-B017-062019

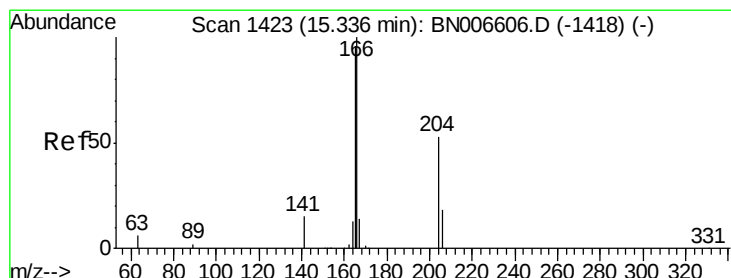
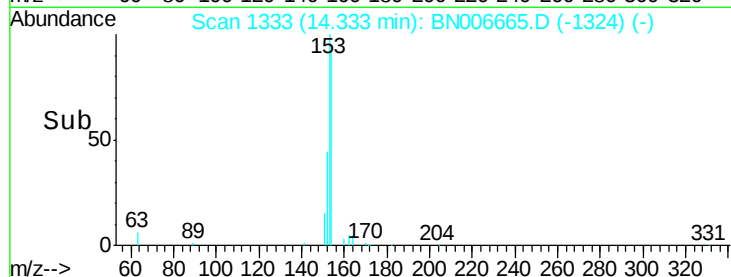
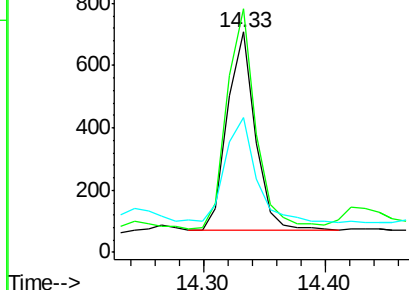
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.4	90.2	135.4
152	60.8	44.2	66.4

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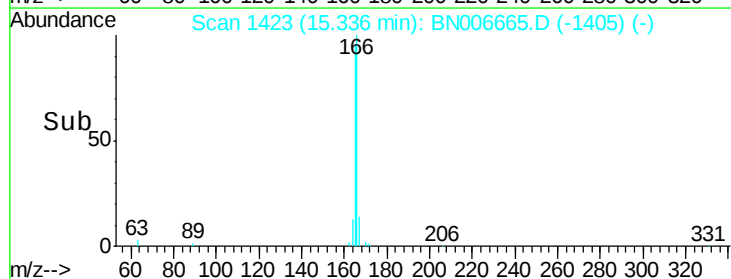
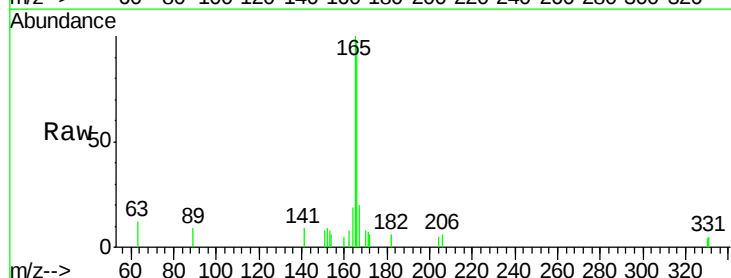
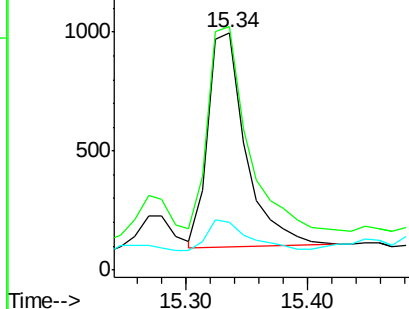
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

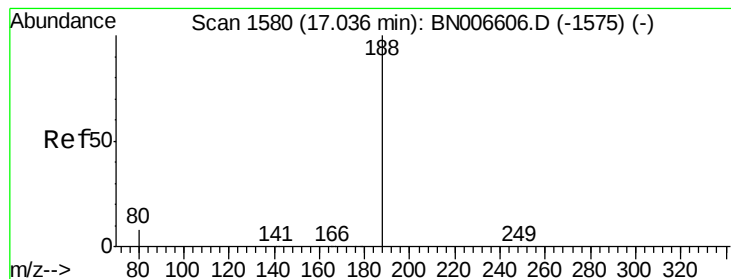


#18
Fluorene
Concen: 0.052 ng
RT: 15.34 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.7	78.4	117.6
167	16.6	10.8	16.2#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Instrument :

BNA_N

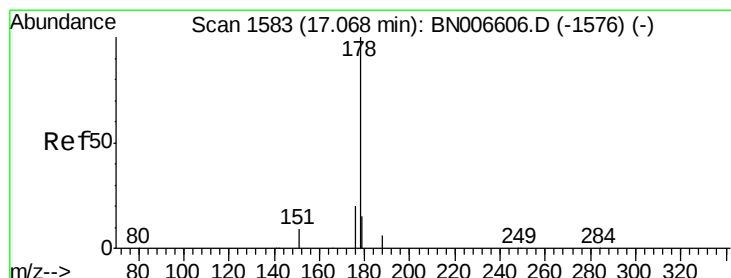
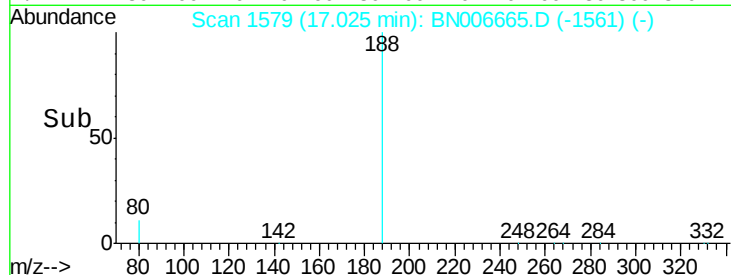
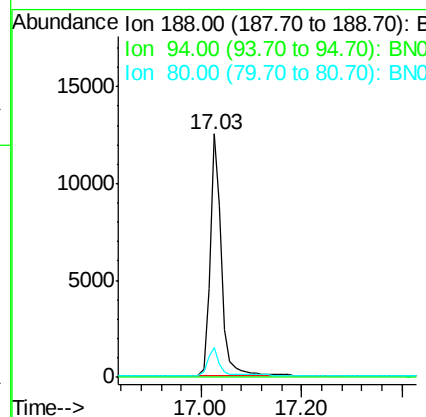
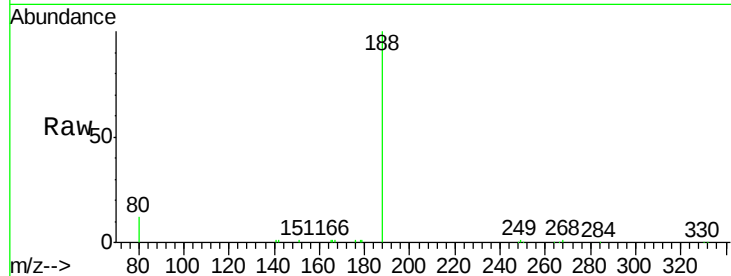
ClientSampleId :

PST-001-B017-062019

Tot Ion:	188	Resp:	20209
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.1	7.1	10.7#

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#23

Phenanthrene

Concen: 0.478 ng

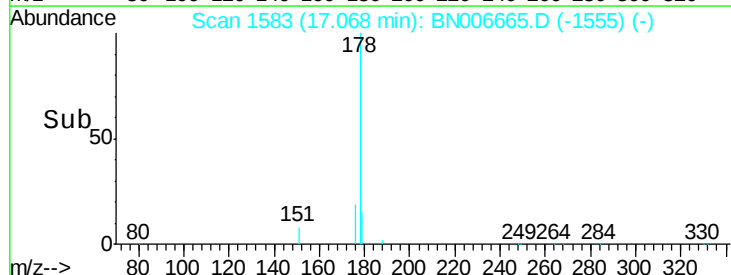
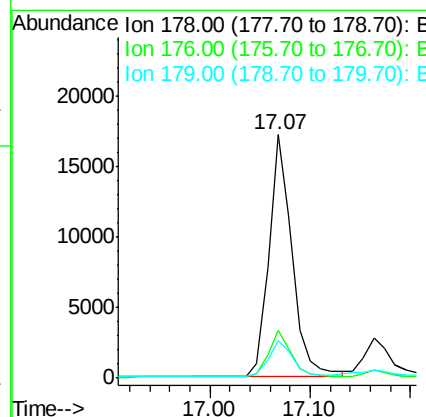
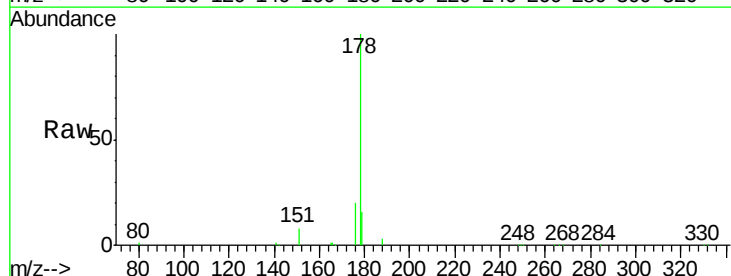
RT: 17.07 min Scan# 1583

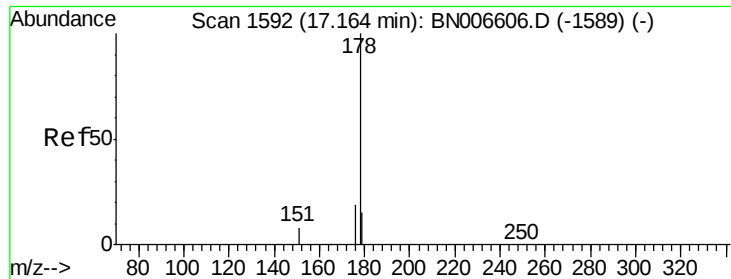
Delta R.T. 0.00 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Tgt Ion:	178	Resp:	27478
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	15.4	12.2	18.4





#24

Anthracene

Concen: 0.098 ng

RT: 17.16 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Instrument :

BNA_N

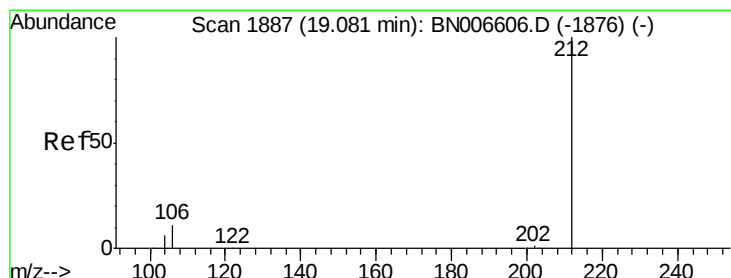
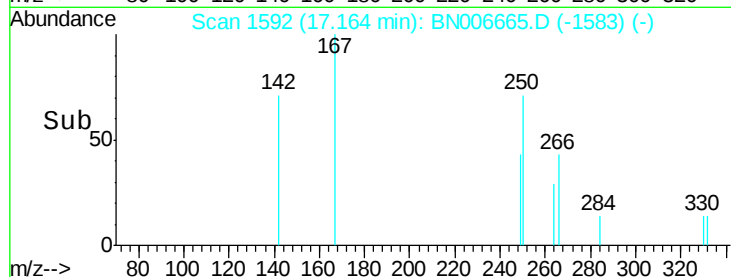
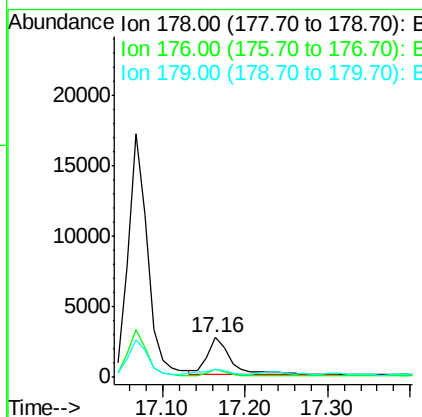
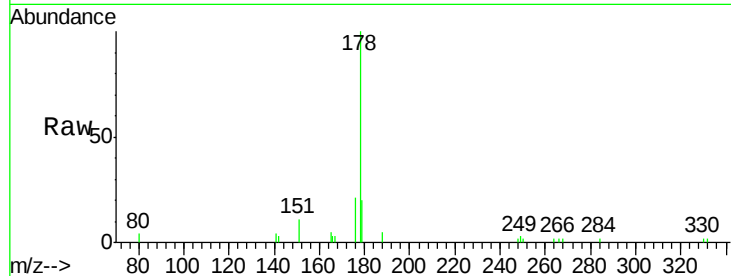
ClientSampleId :

PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	15.4	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.198 ng

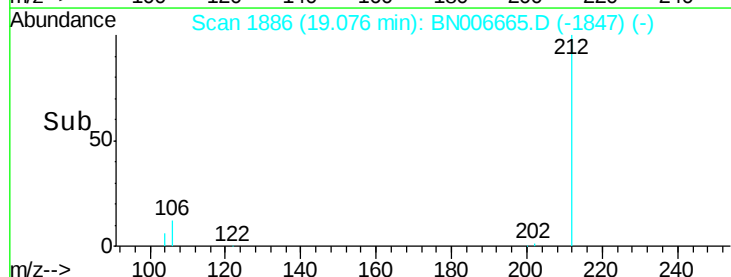
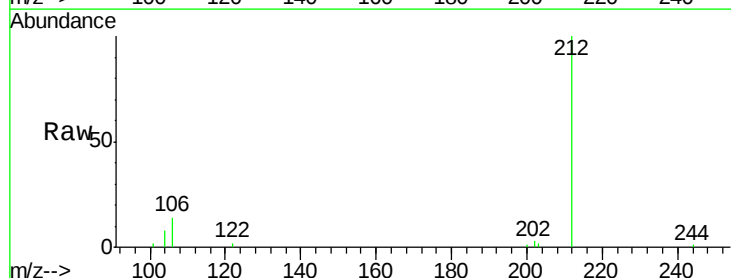
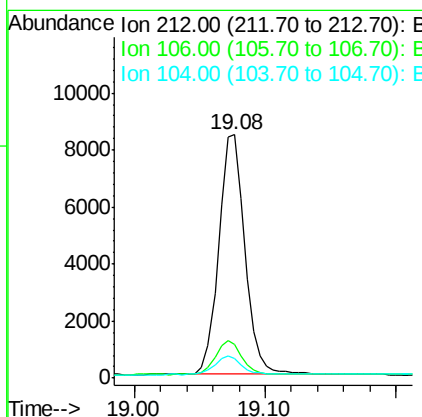
RT: 19.08 min Scan# 1886

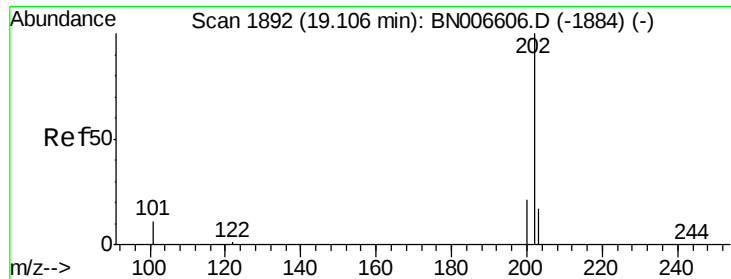
Delta R.T. -0.00 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.0	10.6	15.8
104	7.8	5.8	8.6





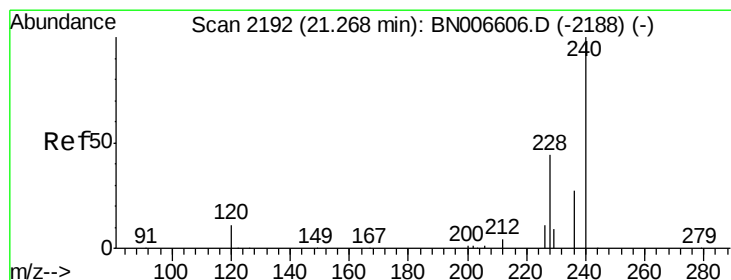
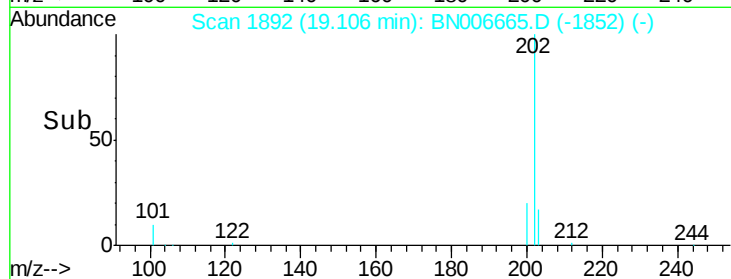
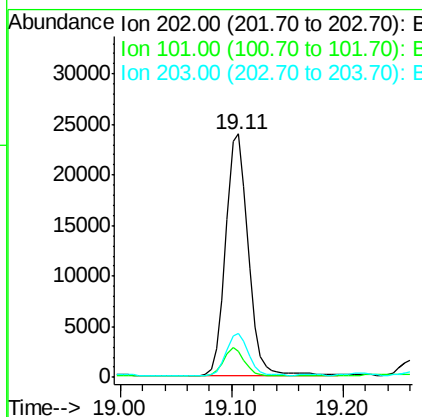
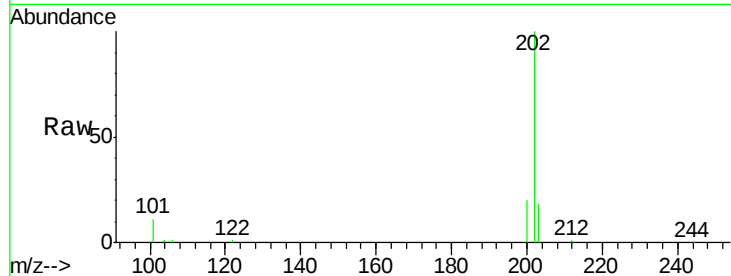
#26
Fluoranthene
 Concen: 0.488 ng
 RT: 19.11 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: BN006665.D
 Acq: 01 Jul 2019 17:38

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
203	17.2	13.6	20.4

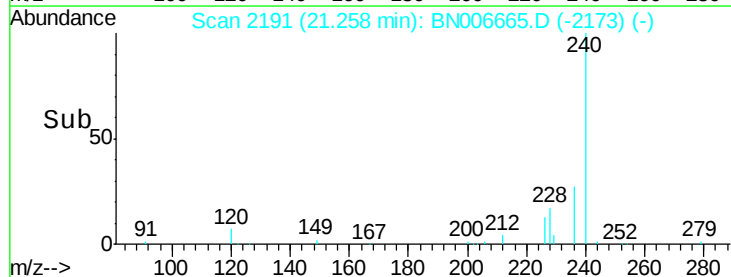
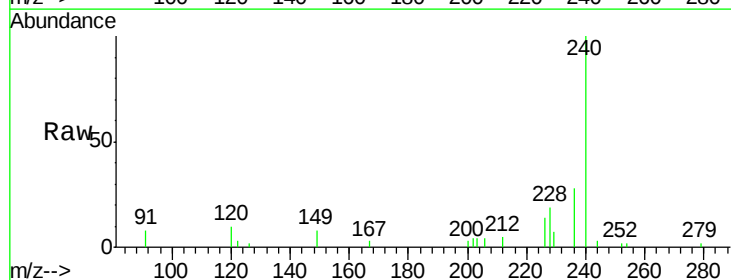
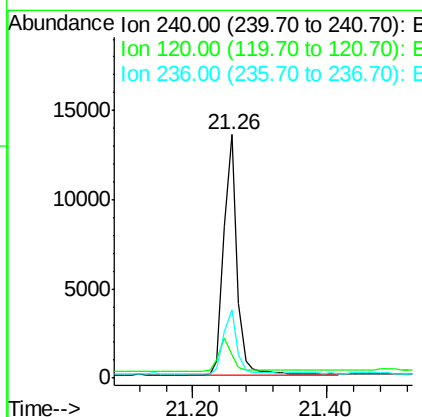
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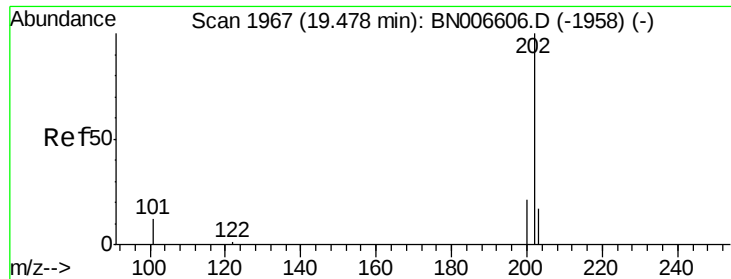
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BN006665.D
 Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.9	14.9#
236	28.1	22.2	33.4





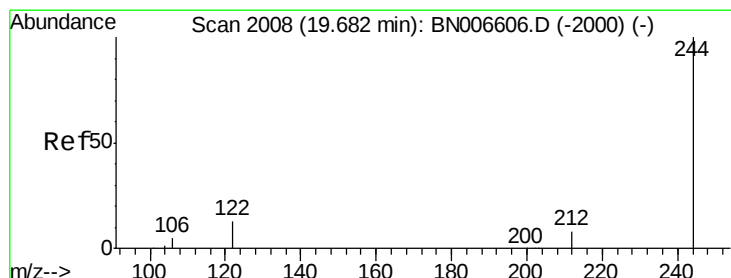
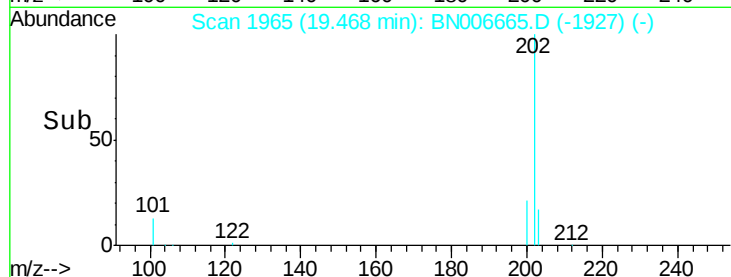
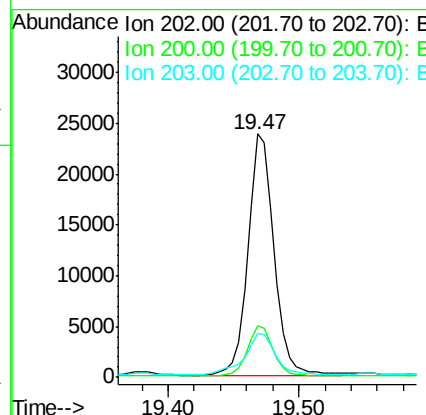
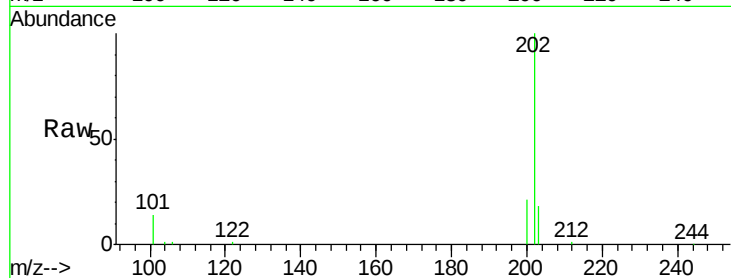
#28
Pvrene
Concen: 0.514 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
ClientSampleId :
PST-001-B017-062019

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

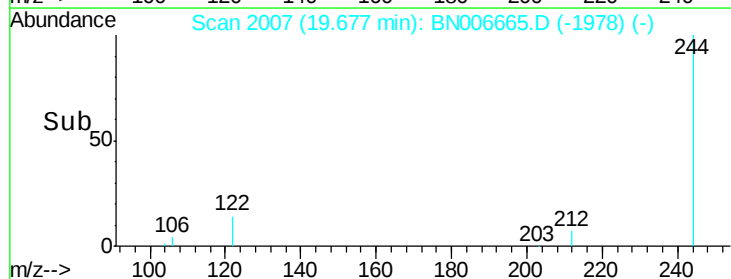
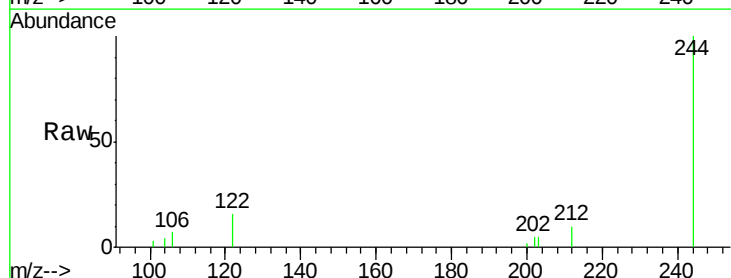
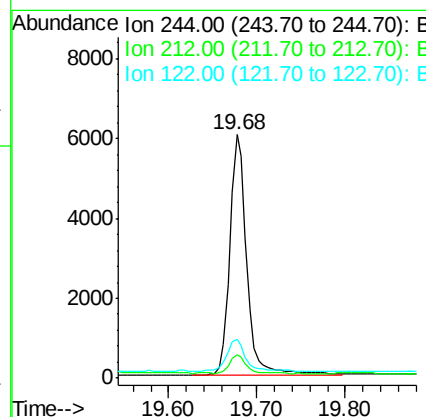
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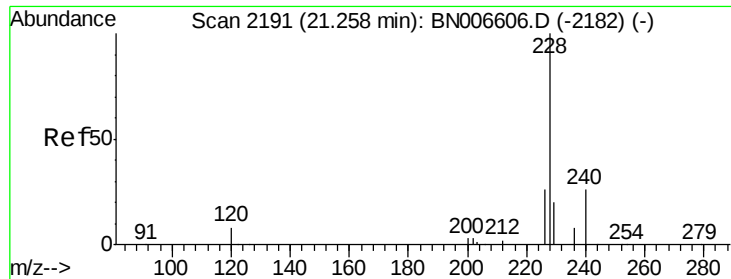
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#29
Terphenyl-d14
Concen: 0.209 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.7	6.7	10.1
122	16.1	11.0	16.6





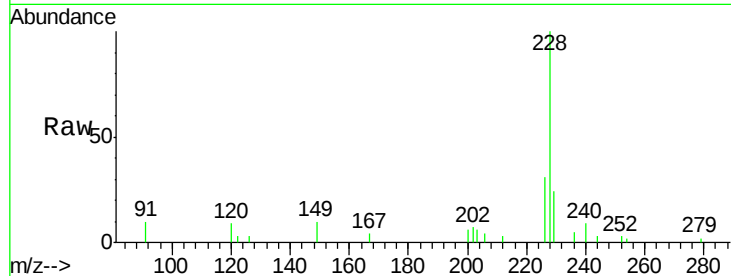
#30
Benzo(a)anthracene
Concen: 0.253 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
ClientSampleId :
PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.2	31.8
229	23.8	16.1	24.1

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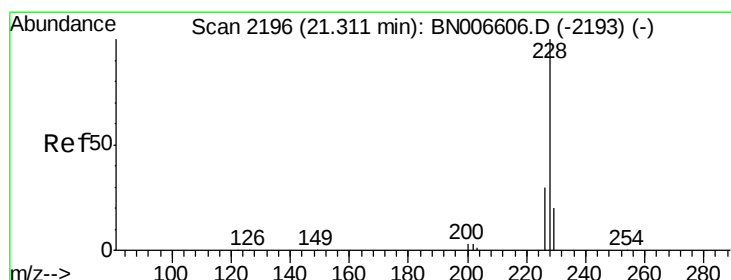
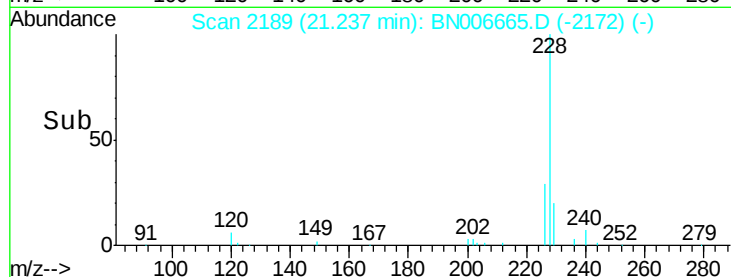
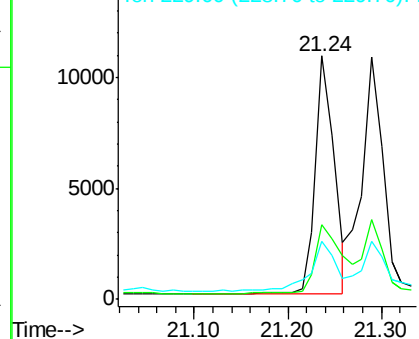


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.268 ng m
RT: 21.29 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

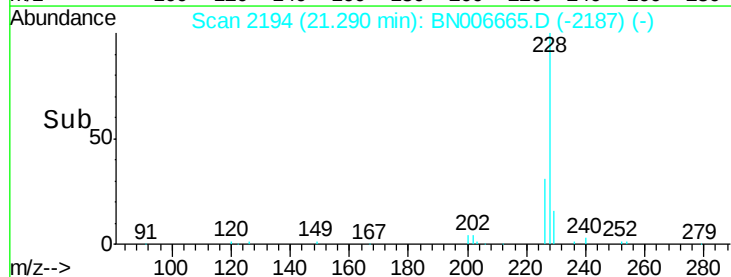
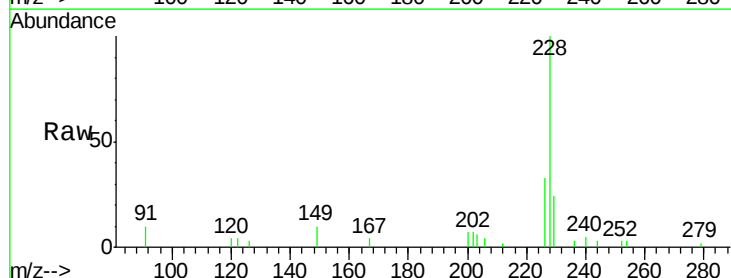
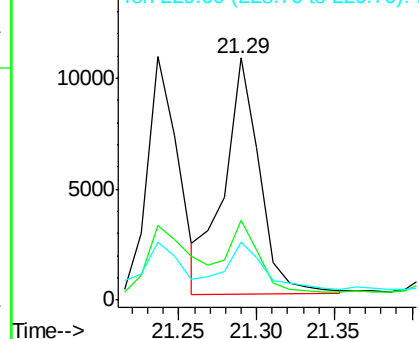
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	23.8	35.6
229	23.9	15.9	23.9#

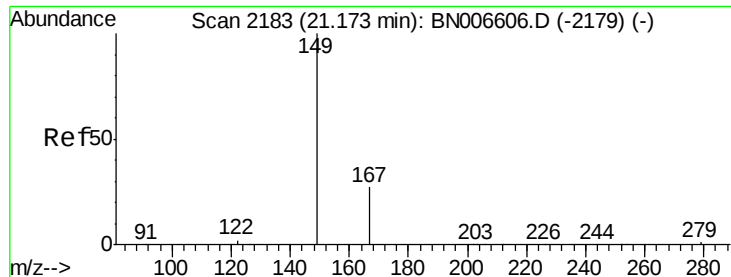
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.201 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006665.D

Acq: 01 Jul 2019 17:38

Instrument :

BNA_N

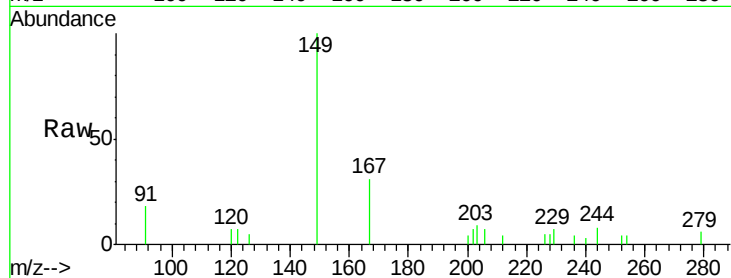
ClientSampleId :

PST-001-B017-062019

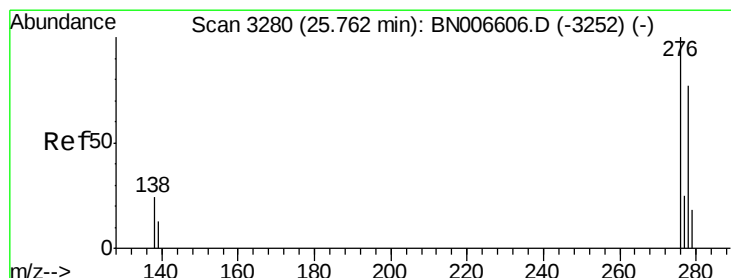
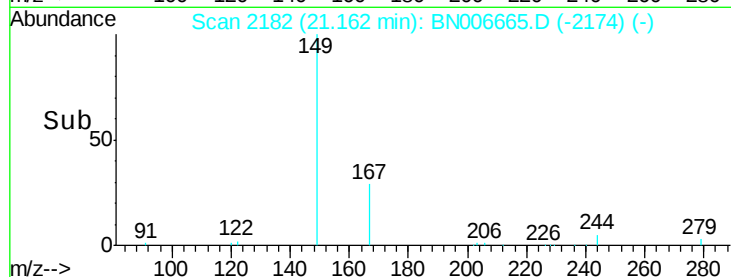
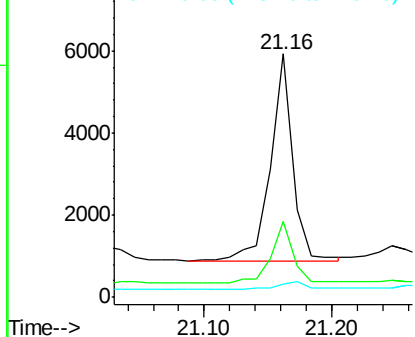
Tot Ion:	149	Resp:	6079
Ion Ratio	Lower	Upper	
149	100		
167	29.1	22.9	34.3
279	4.7	3.3	4.9

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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: 0.141 ng

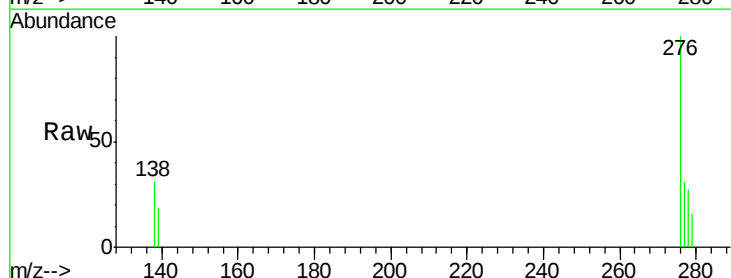
RT: 25.73 min Scan# 3270

Delta R.T. -0.03 min

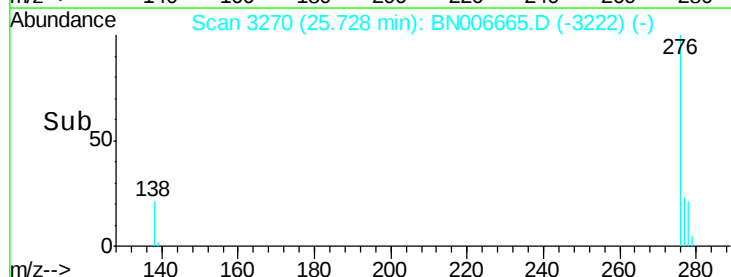
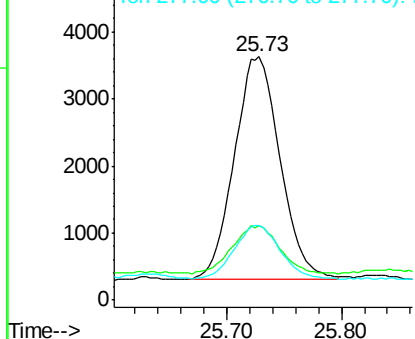
Lab File: BN006665.D

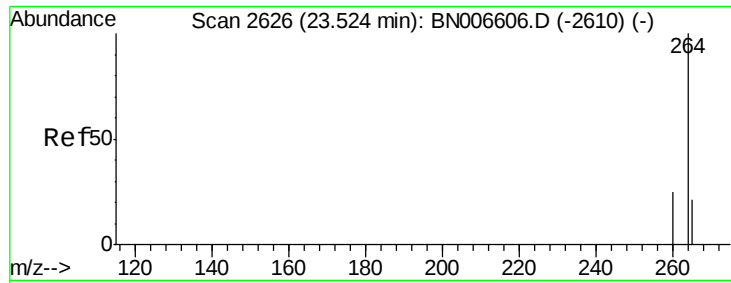
Acq: 01 Jul 2019 17:38

Tgt Ion:	276	Resp:	9213
Ion Ratio	Lower	Upper	
276	100		
138	22.3	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





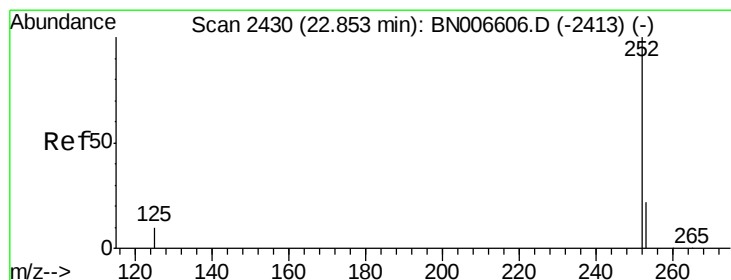
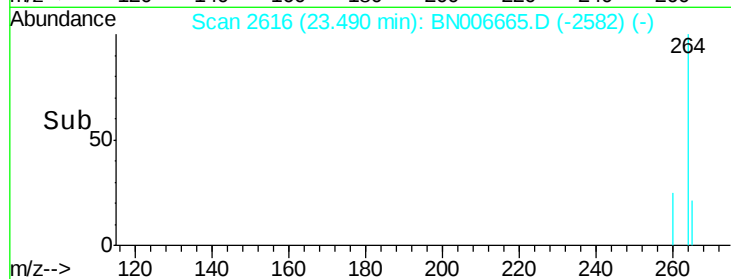
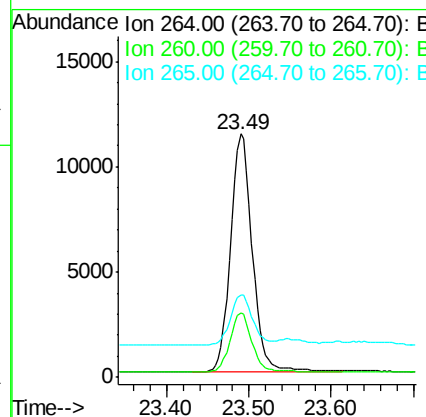
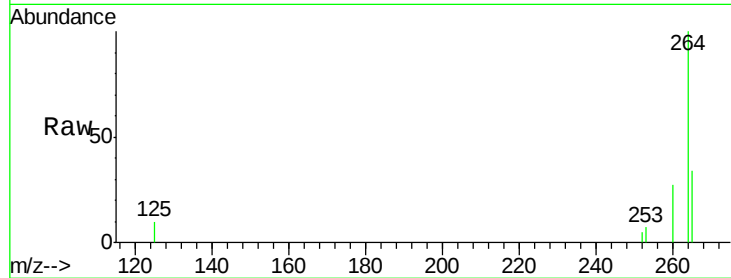
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2616
Delta R.T. -0.03 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
ClientSampleId :
PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.2	30.2
265	33.7	23.3	34.9

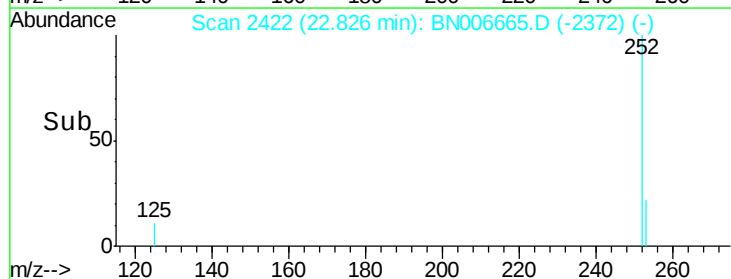
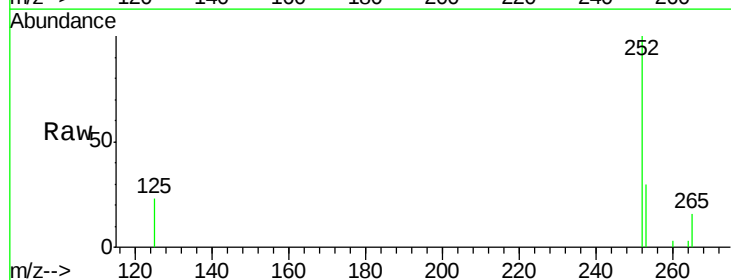
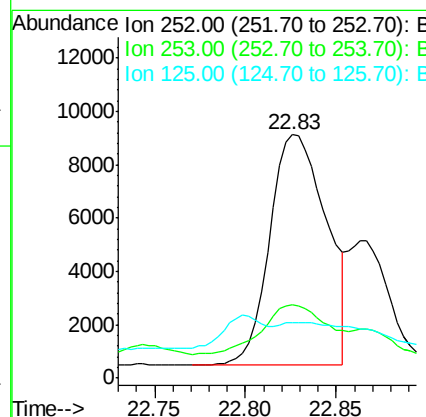
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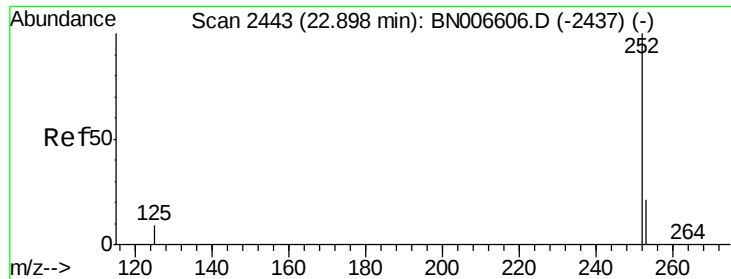
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#35
Benzo(b)fluoranthene
Concen: 0.264 ng
RT: 22.83 min Scan# 2422
Delta R.T. -0.03 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.4	27.6#
125	22.6	8.7	13.1#





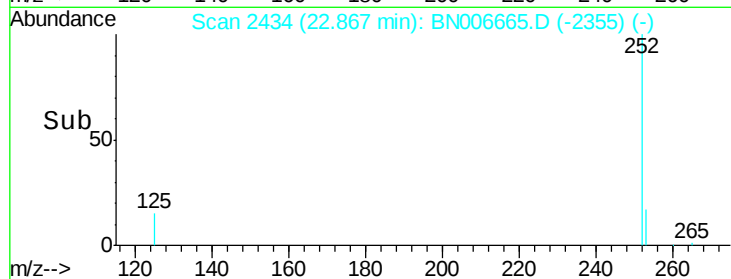
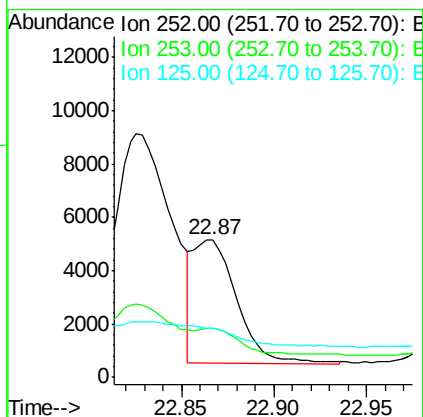
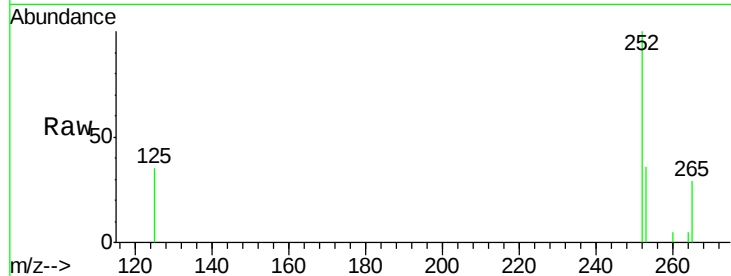
#36
Benzo(k)fluoranthene
Concen: 0.100 ng m
RT: 22.87 min Scan# 2434
Delta R.T. -0.03 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Instrument :
BNA_N
ClientSampleId :
PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.1	18.3	27.5#
125	35.2	8.4	12.6#

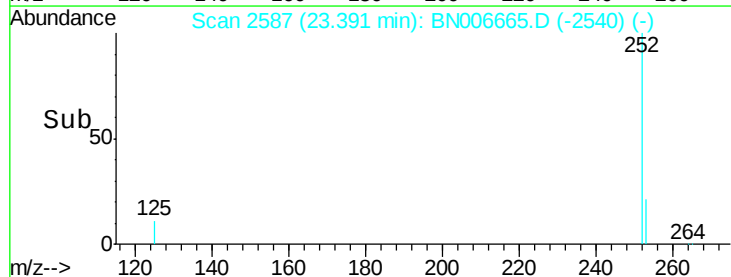
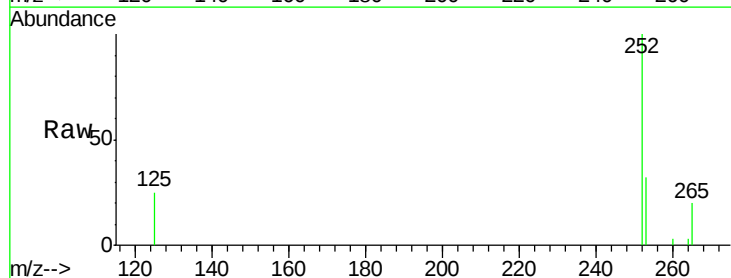
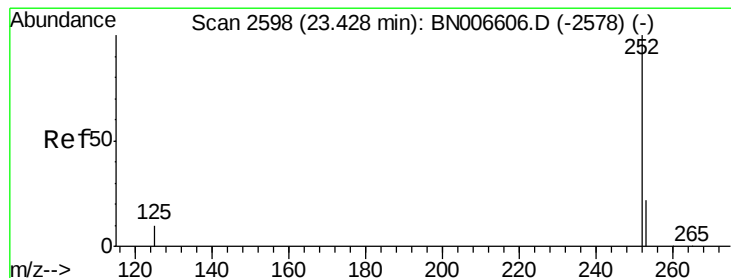
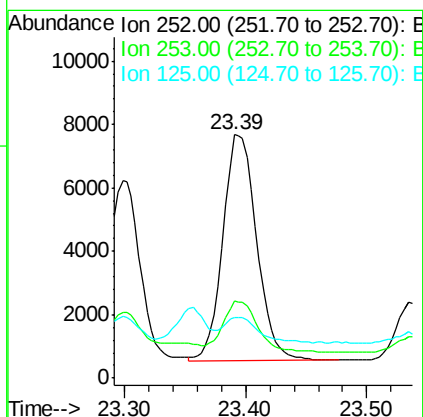
Manual Integrations
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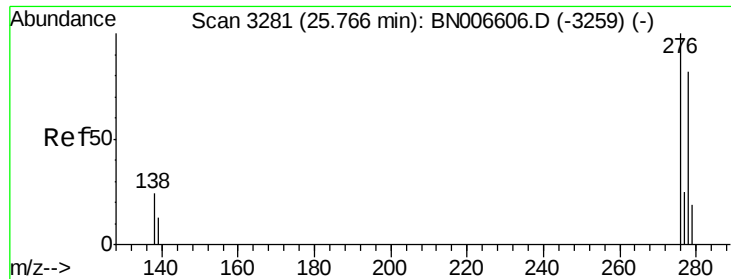
mohammad
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#37
Benzo(a)pyrene
Concen: 0.210 ng
RT: 23.39 min Scan# 2587
Delta R.T. -0.04 min
Lab File: BN006665.D
Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.5	18.8	28.2#
125	25.0	9.4	14.2#





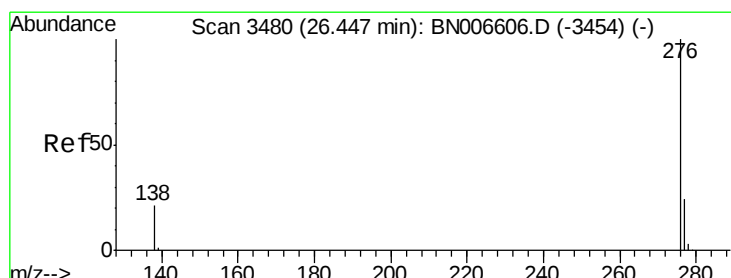
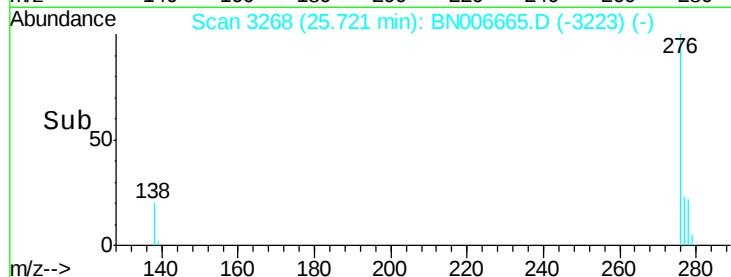
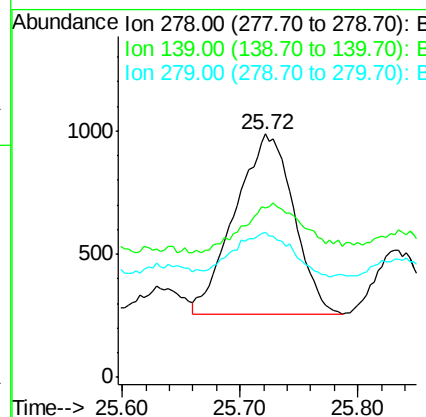
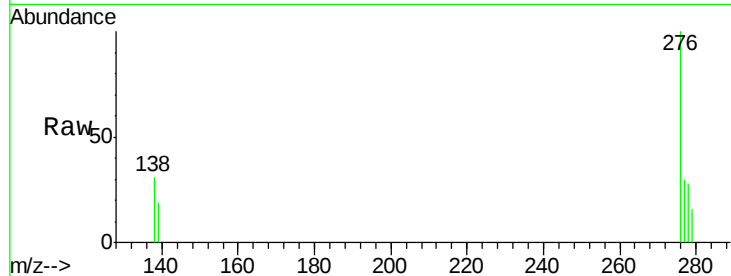
#38
 Dibenzo(a,h)anthracene
 Concen: 0.044 ng
 RT: 25.72 min Scan# 3268
 Delta R.T. -0.04 min
 Lab File: BN006665.D
 Acq: 01 Jul 2019 17:38

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B017-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	69.5	13.5	20.3#
279	59.4	19.4	29.2#

Manual Integrations
 APPROVED

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#39
 Benzo(g,h,i)perylene
 Concen: 0.167 ng
 RT: 26.41 min Scan# 3469
 Delta R.T. -0.04 min
 Lab File: BN006665.D
 Acq: 01 Jul 2019 17:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.4	19.6	29.4#
138	30.6	17.7	26.5#

