

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006649.D
 Acq On : 29 Jun 2019 12:34
 Operator : HP/JU
 Sample : K3446-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B251-061819

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Quant Time: Jul 01 08:23:30 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	5334	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	22557	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	12983	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	27936	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	20077	0.40	ng	-0.01
34) Perylene-d12	23.49	264	19386	0.40	ng	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	4589	0.35	ng	0.00
5) Phenol-d6	6.81	99	6832	0.39	ng	-0.02
8) Nitrobenzene-d5	8.79	82	5183	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	12455	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1971	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	16022	0.33	ng	-0.01
25) Fluoranthene-d10	19.07	212	26852	0.33	ng	-0.01
29) Terphenyl-d14	19.68	244	14855	0.35	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.45	128	3296	0.056	ng	# 92
12) 2-Methylnaphthalene	12.07	142	1969	0.048	ng	# 95
16) Acenaphthylene	13.99	152	7712	0.125	ng	98
17) Acenaphthene	14.33	154	2404	0.059	ng	96
18) Fluorene	15.32	166	2708	0.053	ng	# 91
23) Phenanthrene	17.07	178	77767	0.979	ng	100
24) Anthracene	17.16	178	8658	0.126	ng	# 90
26) Fluoranthene	19.11	202	145545	1.508	ng	99
28) Pyrene	19.47	202	139798	1.990	ng	# 96
30) Benzo(a)anthracene	21.24	228	63173	0.962	ng	96
31) Chrysene	21.29	228	70331	0.994	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	13415	0.406	ng	99
33) Indeno(1,2,3-cd)pyrene	25.72	276	30953	0.432	ng	96
35) Benzo(b)fluoranthene	22.82	252	68713	1.042	ng	# 96
36) Benzo(k)fluoranthene	22.86	252	23451m	0.334	ng	
37) Benzo(a)pyrene	23.39	252	47421	0.769	ng	96
38) Dibenzo(a,h)anthracene	25.72	278	8333	0.155	ng	# 65
39) Benzo(g,h,i)perylene	26.41	276	31395	0.584	ng	96

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

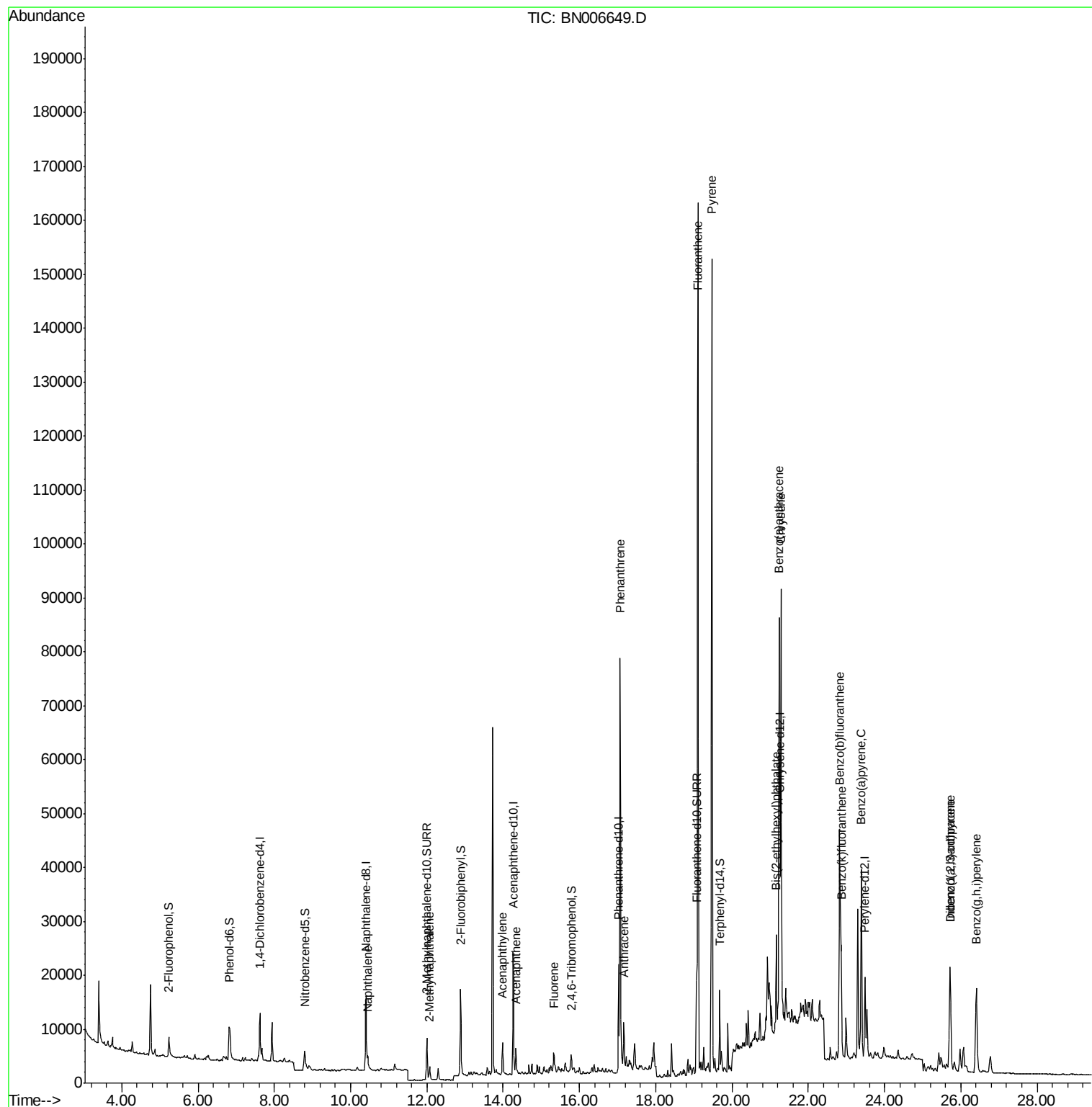
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006649.D
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QLast Update : Fri Jun 28 13:47:56 2019
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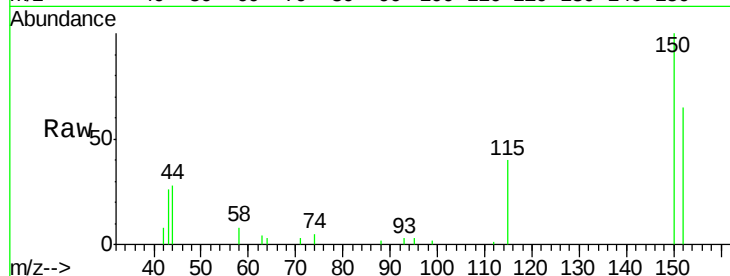




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34

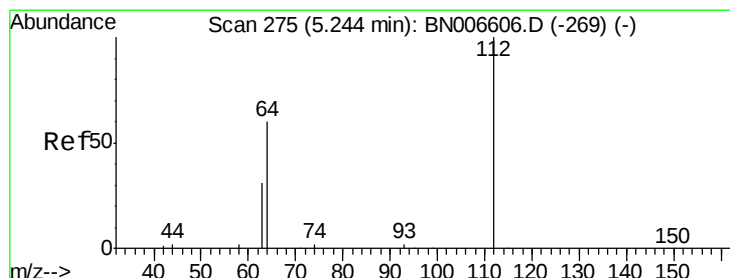
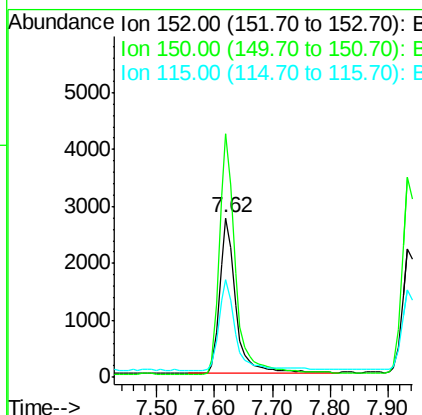
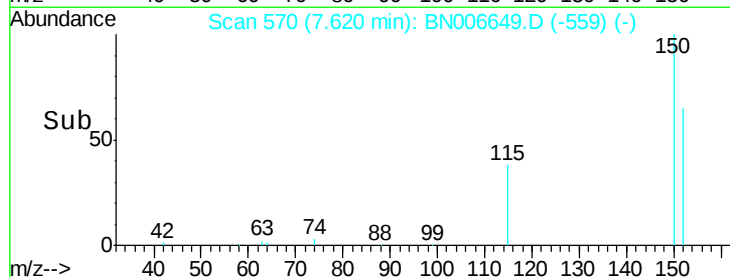
Instrument :
BNA_N
ClientSampleId :
PST-008-B251-061819



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.2	183.2
115	61.5	50.0	75.0

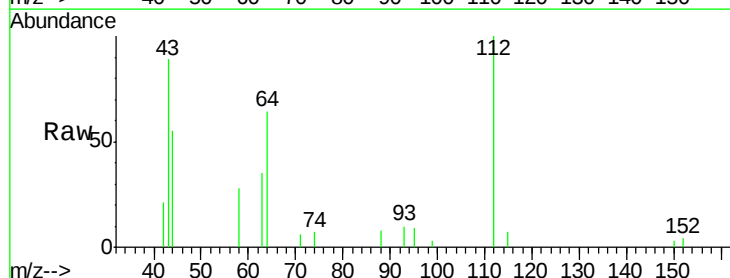
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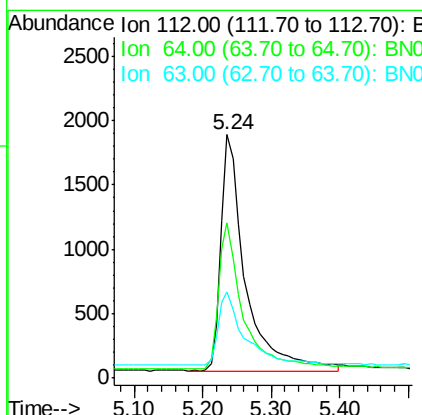
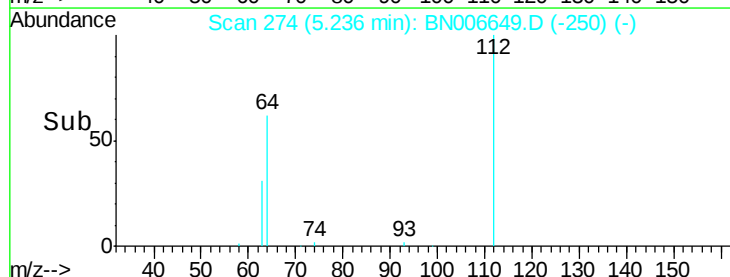


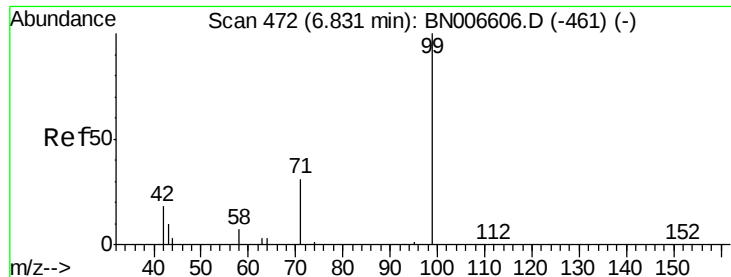
#4

2-Fluorophenol
Concen: 0.351 ng
RT: 5.24 min Scan# 274
Delta R.T. -0.01 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34



Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	48.9	73.3
63	33.9	24.3	36.5





#5

Phenol-d6

Concen: 0.395 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Instrument :

BNA_N

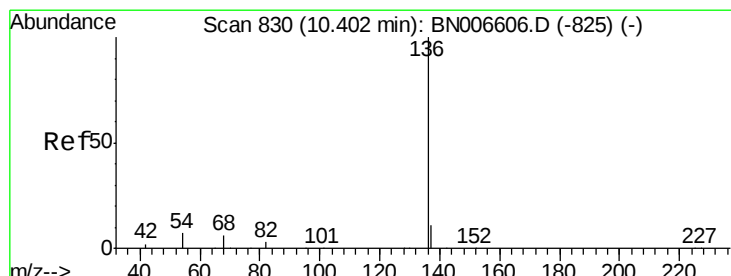
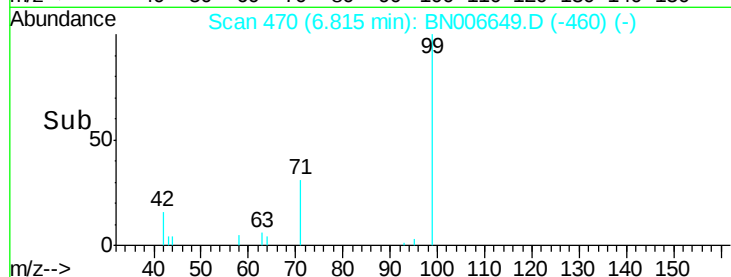
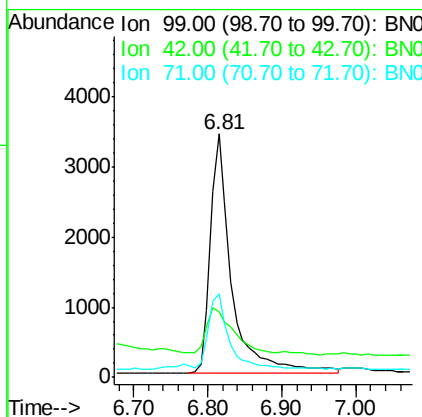
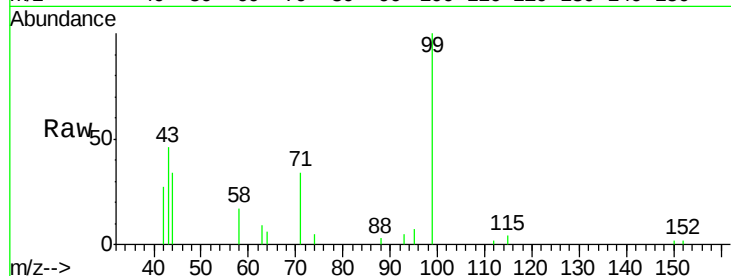
ClientSampleId :

PST-008-B251-061819

Tgt Ion:	99	Resp:	6832
Ion Ratio	Lower	Upper	
99	100		
42	26.2	16.4	24.6#
71	29.4	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

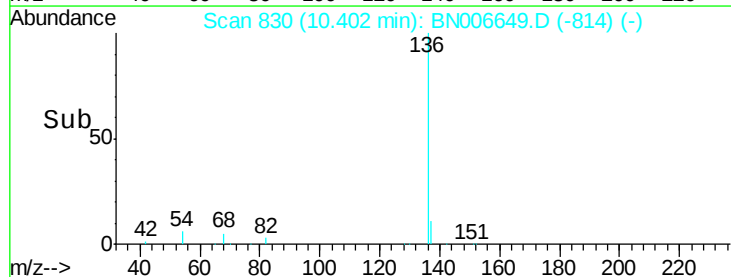
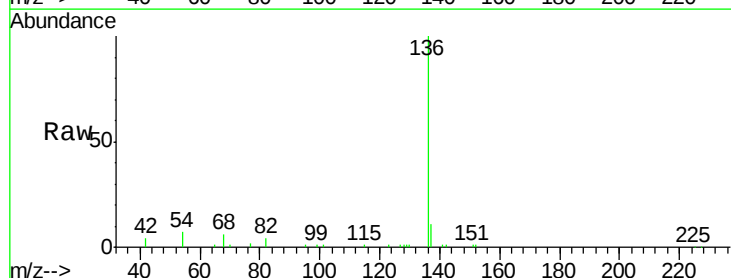
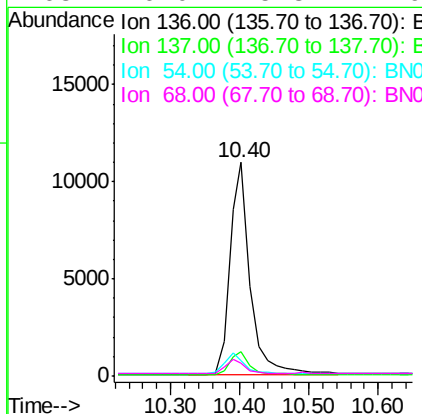
RT: 10.40 min Scan# 830

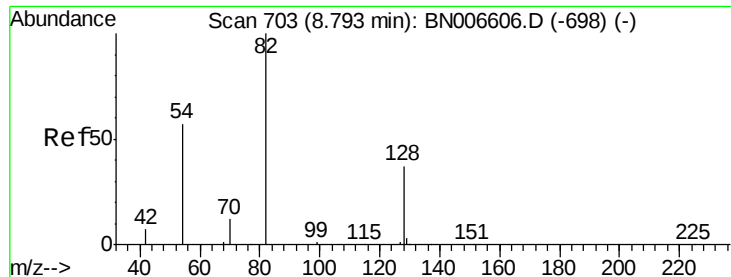
Delta R.T. -0.00 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Tgt Ion:	136	Resp:	22557
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.3	13.9
54	7.2	6.7	10.1
68	6.0	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.342 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Instrument :

BNA_N

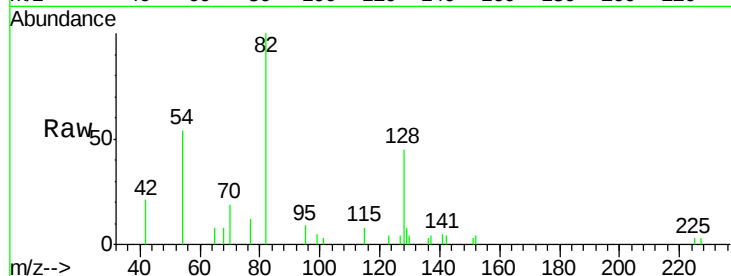
ClientSampleId :

PST-008-B251-061819

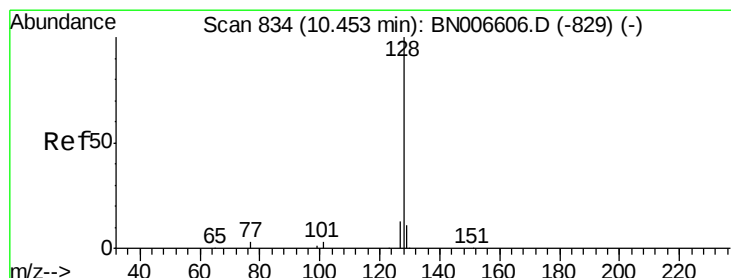
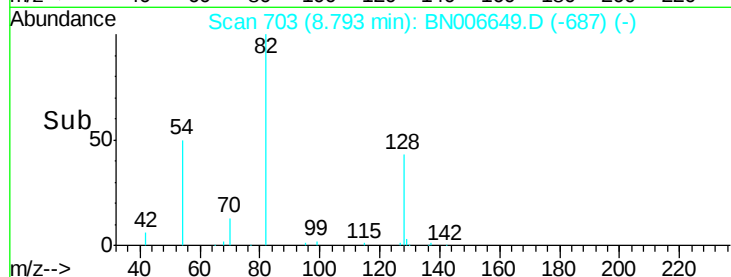
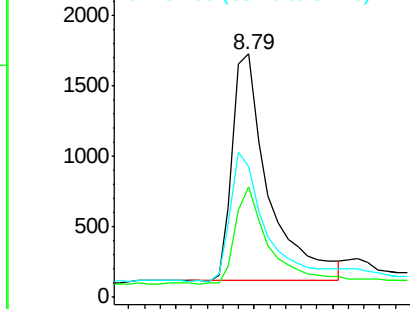
Tgt Ion:	82	Resp:	5183
Ion	Ratio	Lower	Upper
82	100		
128	45.3	32.6	49.0
54	53.6	48.2	72.4

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Abundance Ion 82.00 (81.70 to 82.70): BN006606.D (-698) (-)



#9

Naphthalene

Concen: 0.056 ng

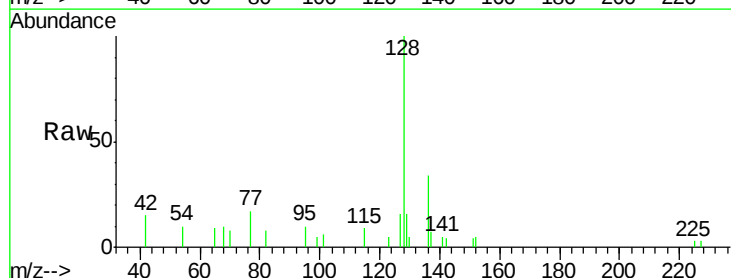
RT: 10.45 min Scan# 834

Delta R.T. -0.00 min

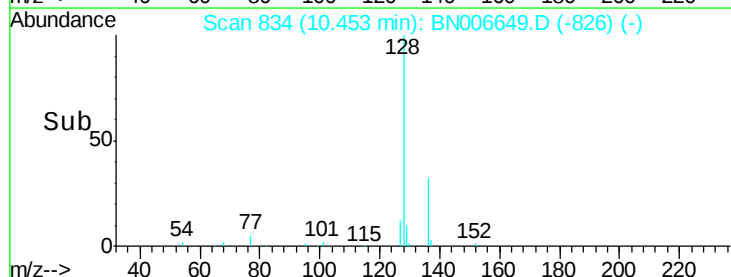
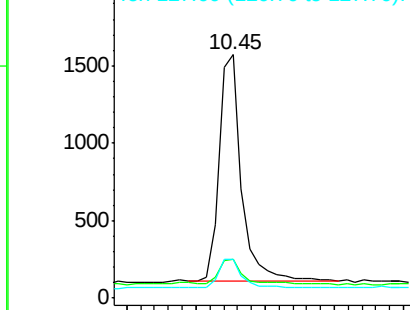
Lab File: BN006649.D

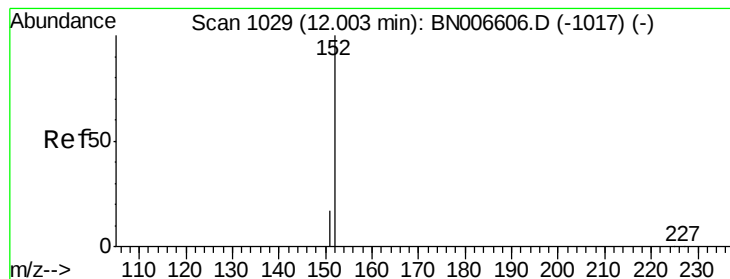
Acq: 29 Jun 2019 12:34

Tgt Ion:	128	Resp:	3296
Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.3	13.9#
127	16.0	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): BN006606.D (-829) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 12.00 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Instrument :

BNA_N

ClientSampleId :

PST-008-B251-061819

Tgt Ion:152 Resp: 12455

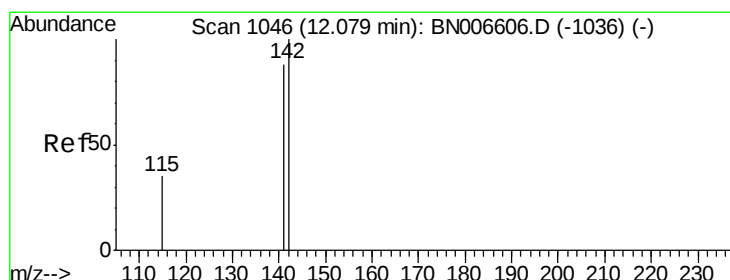
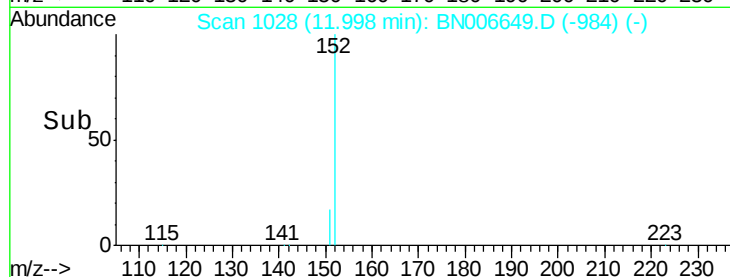
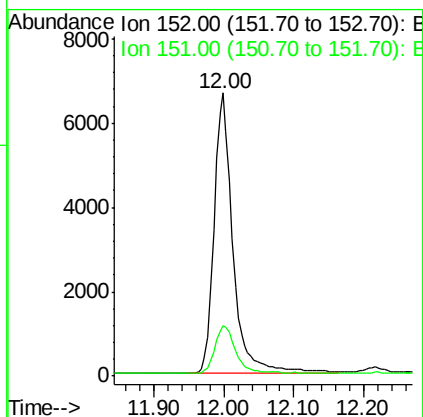
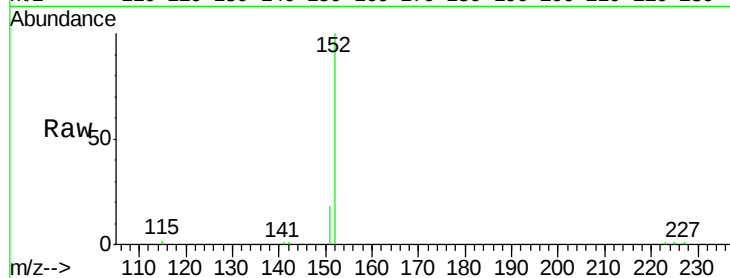
Ion Ratio Lower Upper

152 100

151 18.9 15.0 22.4

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#12

2-Methylnaphthalene

Concen: 0.048 ng

RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

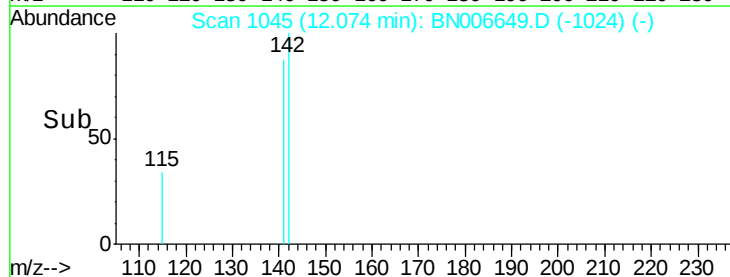
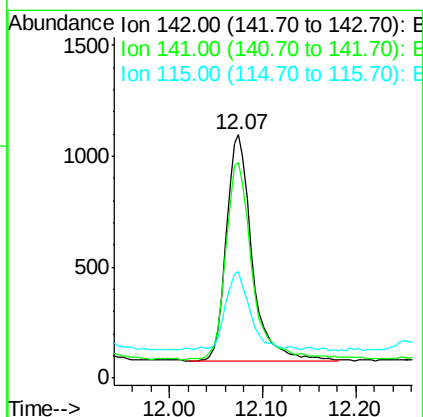
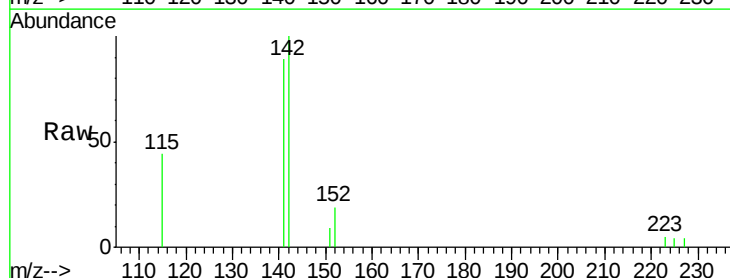
Tgt Ion:142 Resp: 1969

Ion Ratio Lower Upper

142 100

141 88.5 70.2 105.4

115 43.8 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: BN006649.D

Acq: 29 Jun 2019 12:34

Instrument :

BNA_N

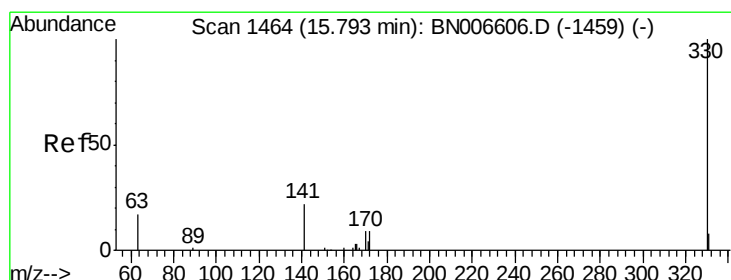
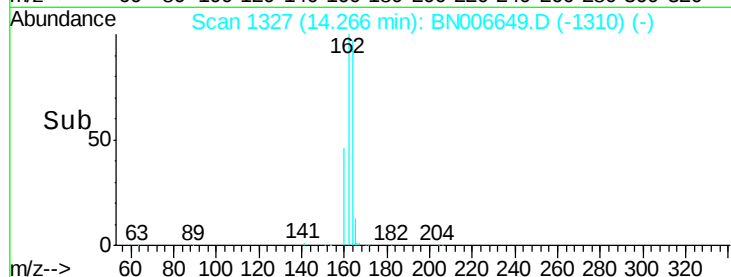
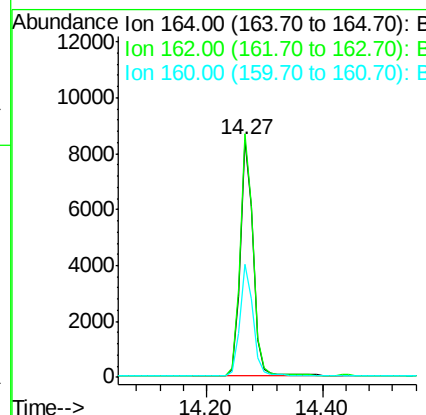
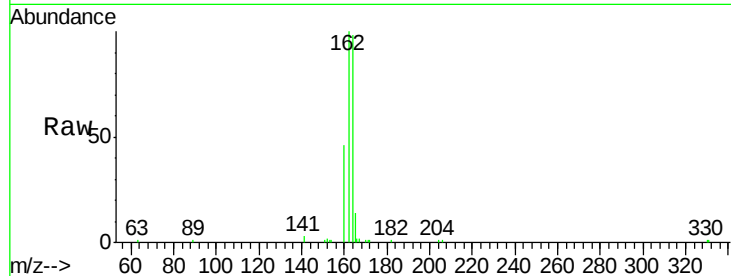
ClientSampleId :

PST-008-B251-061819

Tgt Ion:	164	Resp:	12983
Ion Ratio	Lower	Upper	
164	100		
162	102.5	80.0	120.0
160	47.6	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.322 ng

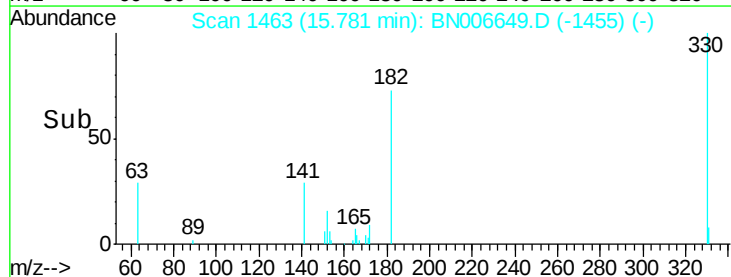
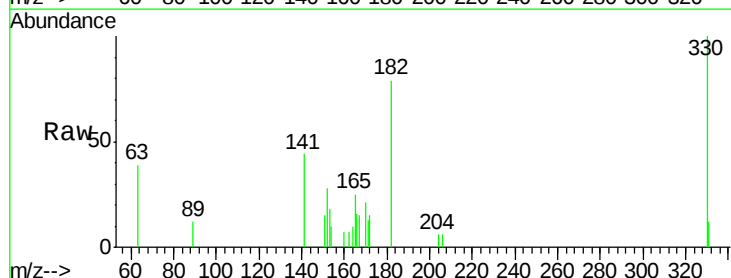
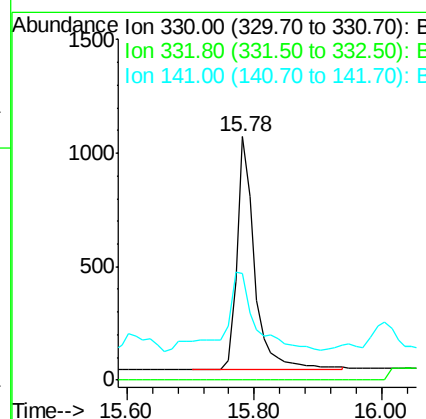
RT: 15.78 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Tgt Ion:	330	Resp:	1971
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	50.0	26.5	39.7#





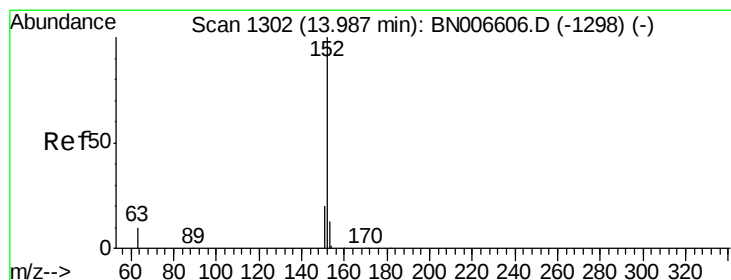
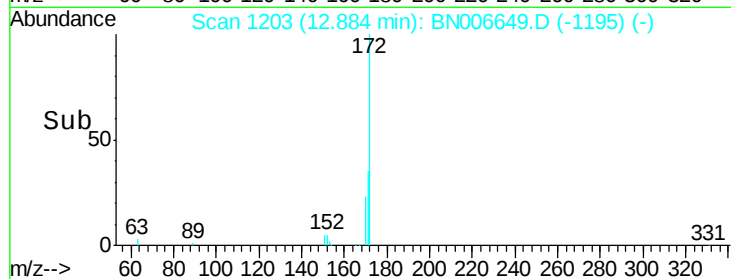
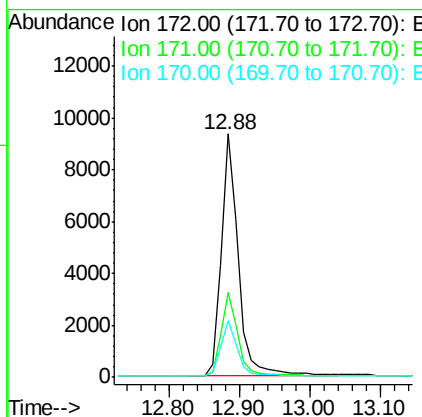
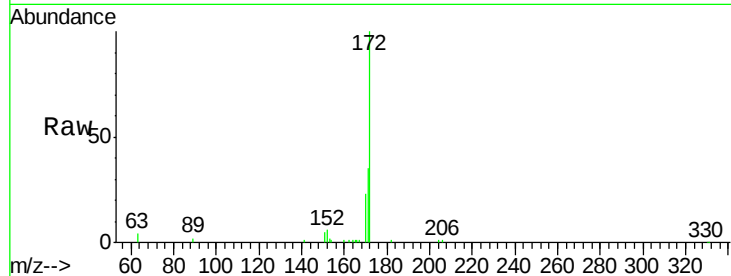
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B251-061819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.0	40.4
170	23.4	17.7	26.5

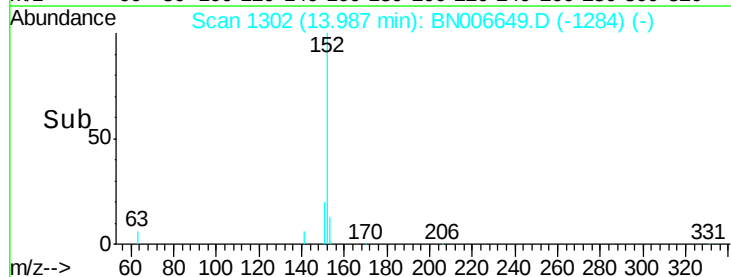
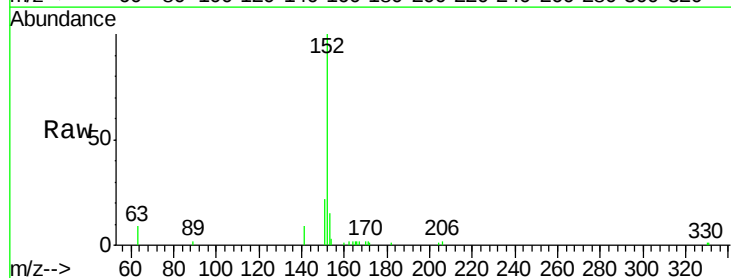
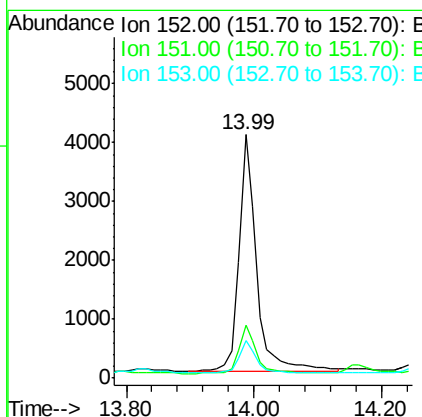
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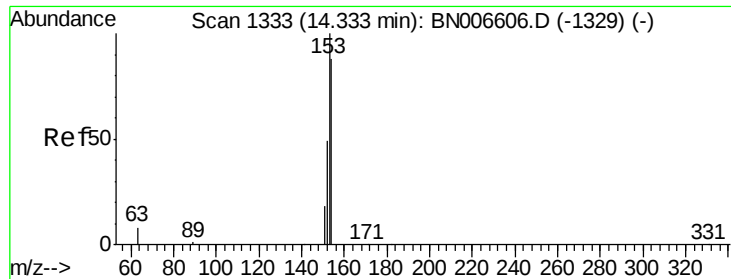
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#16
Acenaphthylene
Concen: 0.125 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.6	23.4
153	13.3	10.5	15.7





#17

Acenaphthene

Concen: 0.059 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Instrument :

BNA_N

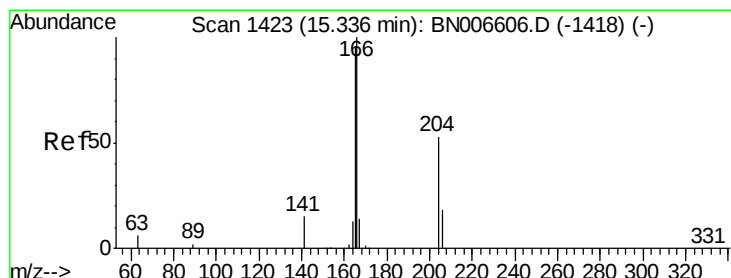
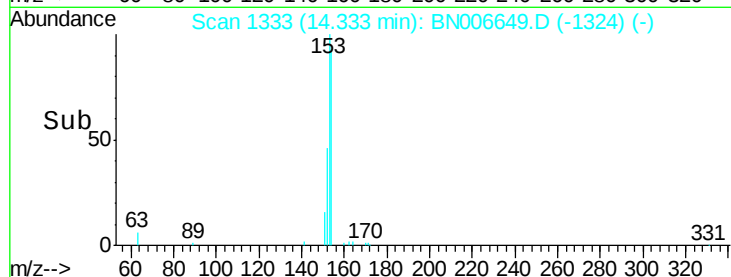
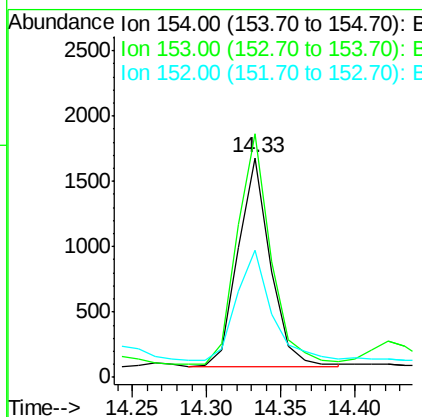
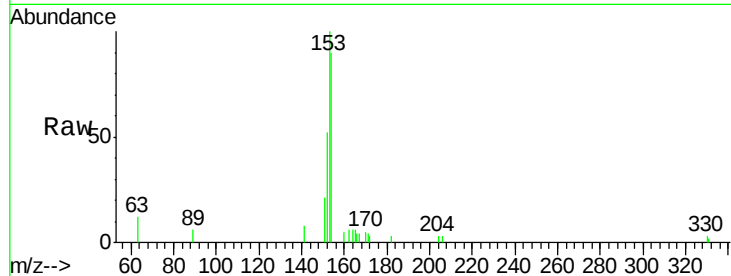
ClientSampleId :

PST-008-B251-061819

Tgt Ion:	154	Resp:	2404
Ion Ratio	Lower	Upper	
154	100		
153	114.7	90.2	135.4
152	62.5	44.2	66.4

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#18

Fluorene

Concen: 0.053 ng

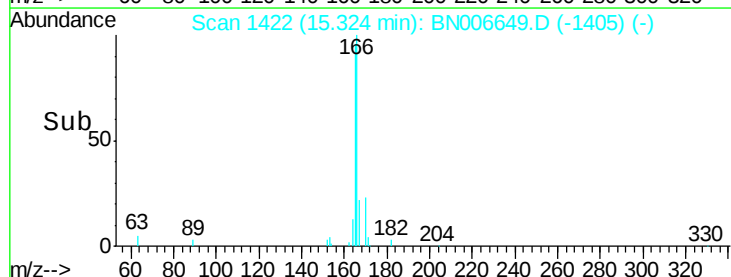
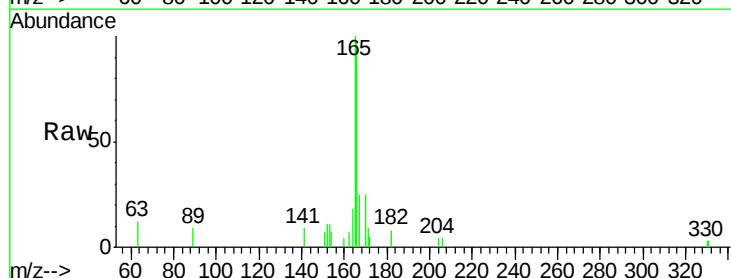
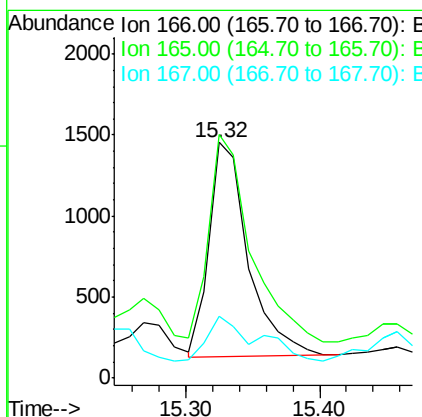
RT: 15.32 min Scan# 1422

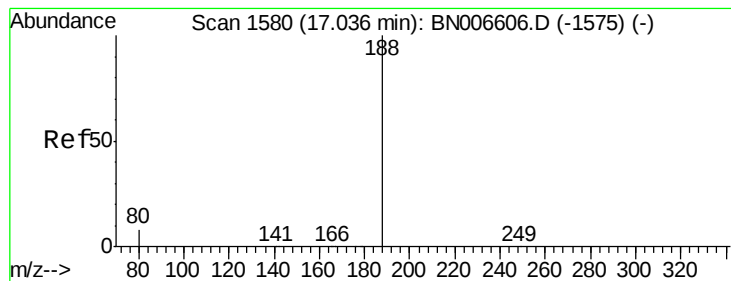
Delta R.T. -0.01 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Tgt Ion:	166	Resp:	2708
Ion Ratio	Lower	Upper	
166	100		
165	103.7	78.4	117.6
167	26.6	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: BN006649.D

Acq: 29 Jun 2019 12:34

Instrument :

BNA_N

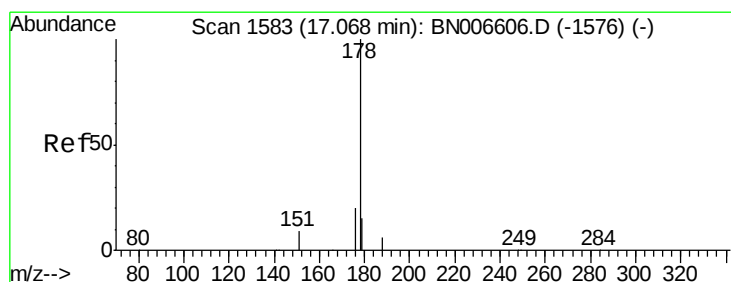
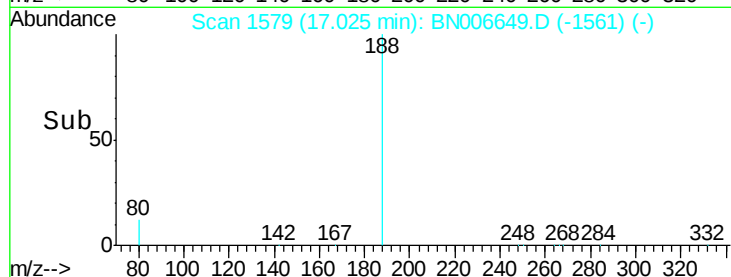
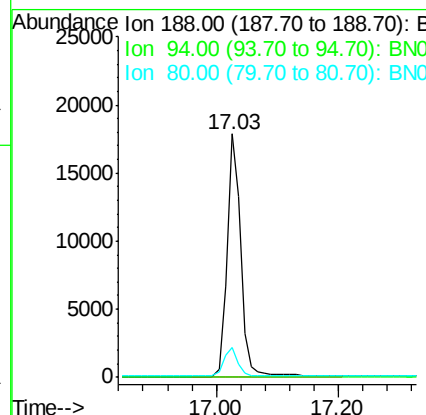
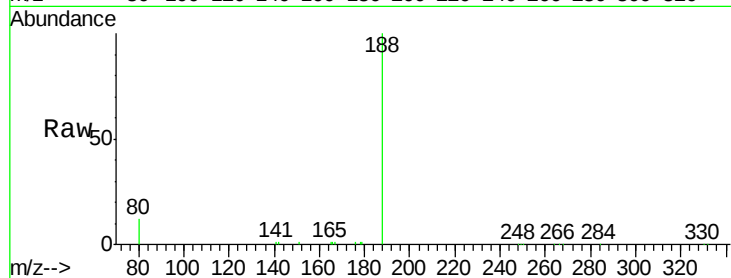
ClientSampleId :

PST-008-B251-061819

Tgt Ion:	188	Resp:	27936
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.5	7.1	10.7#

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#23

Phenanthrene

Concen: 0.979 ng

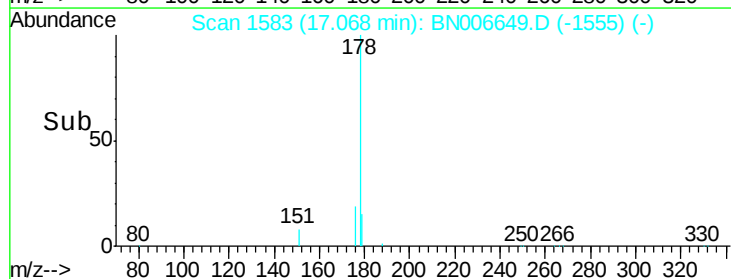
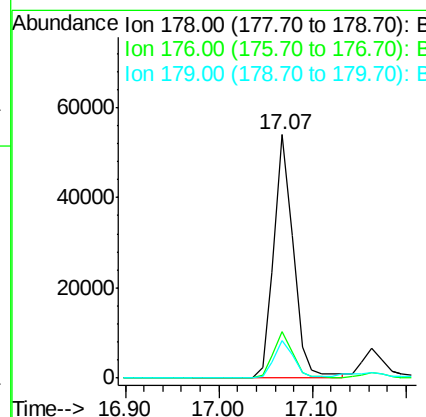
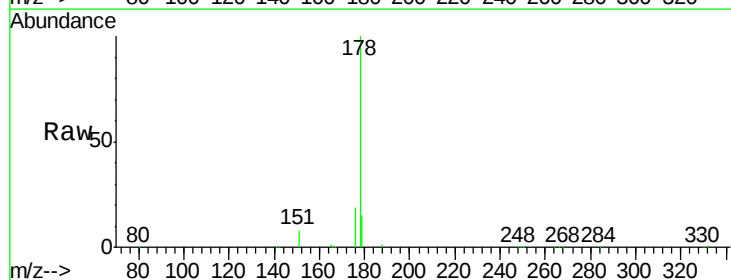
RT: 17.07 min Scan# 1583

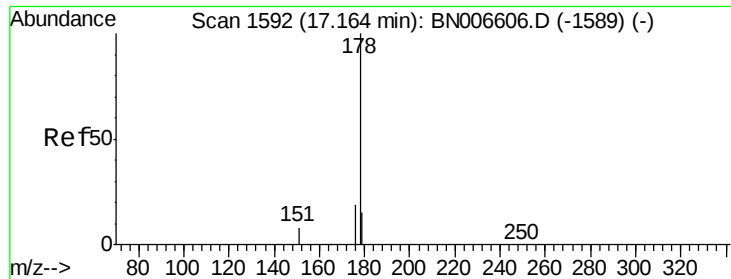
Delta R.T. -0.00 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Tgt Ion:	178	Resp:	77767
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.4	12.2	18.4





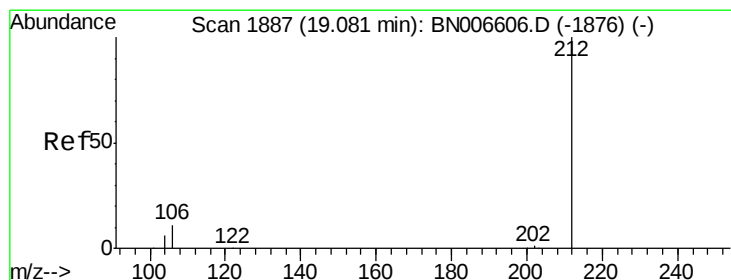
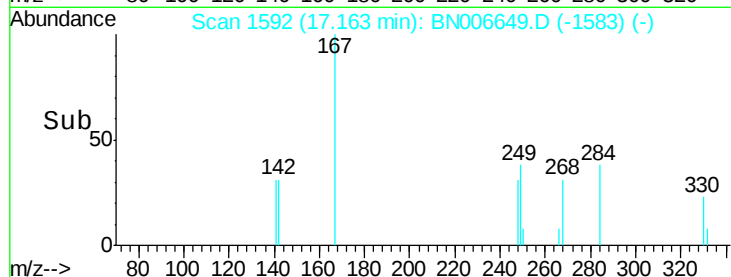
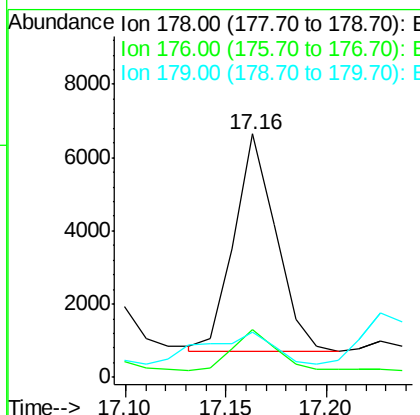
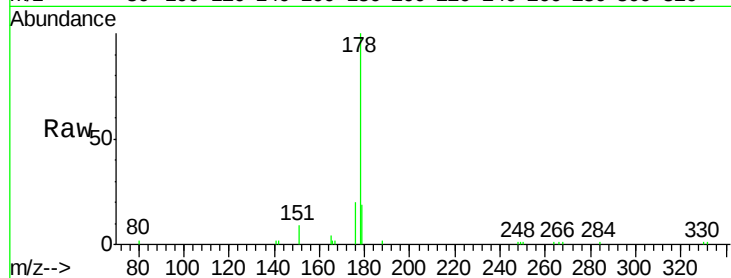
#24
 Anthracene
 Concen: 0.126 ng
 RT: 17.16 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B251-061819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	24.2	12.2	18.2

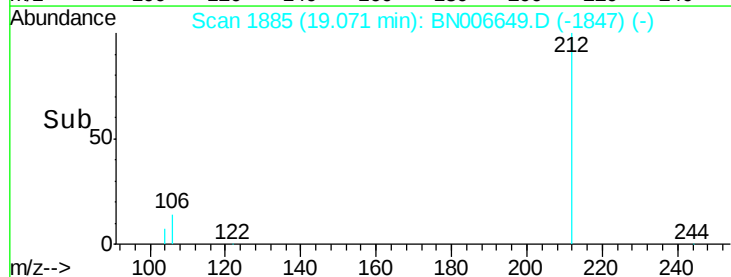
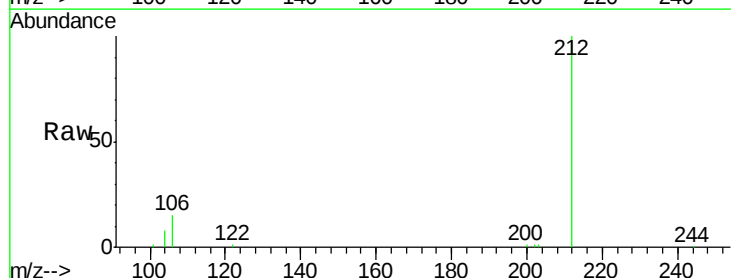
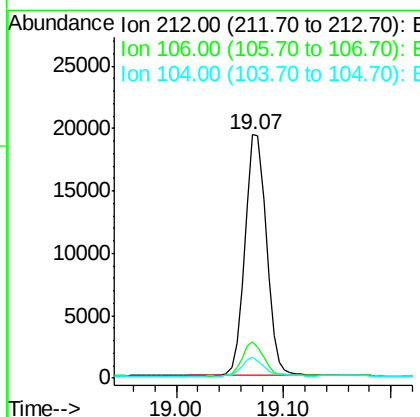
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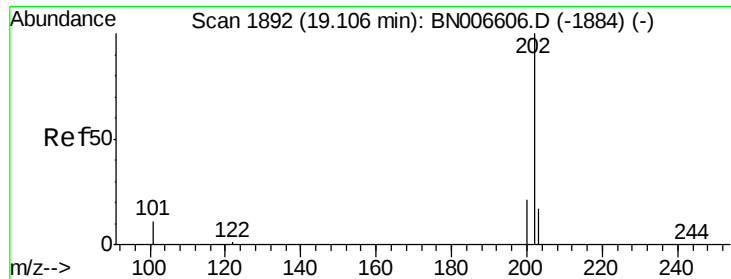
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#25
 Fluoranthene-d10
 Concen: 0.327 ng
 RT: 19.07 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.0	10.6	15.8
104	8.1	5.8	8.6





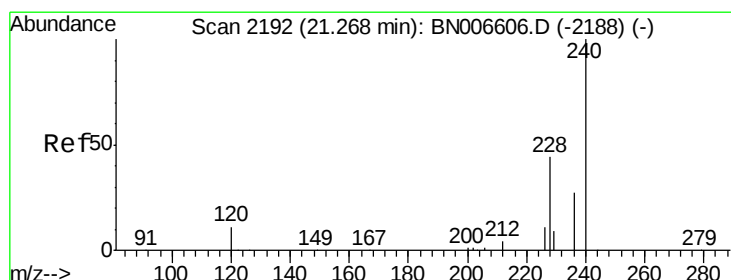
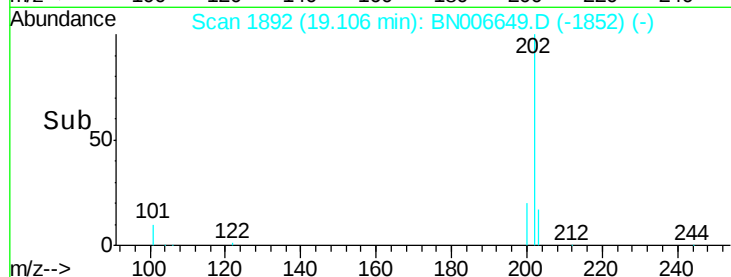
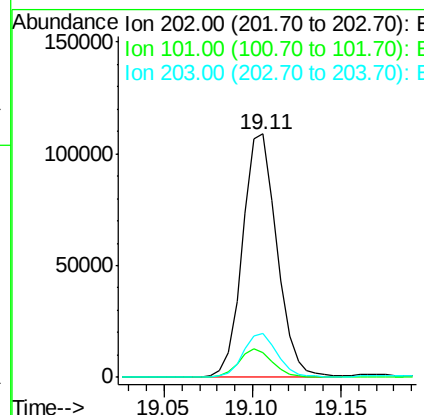
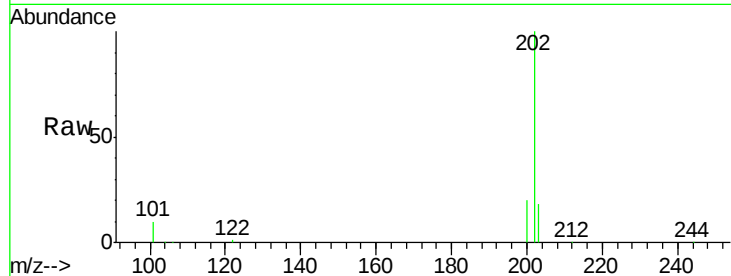
#26
Fluoranthene
 Concen: 1.508 ng
 RT: 19.11 min Scan# 1892
 Delta R.T. -0.00 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B251-061819

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

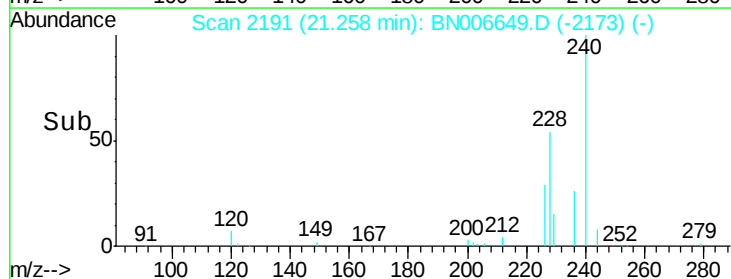
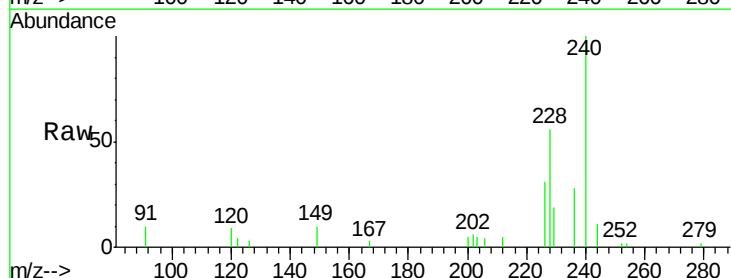
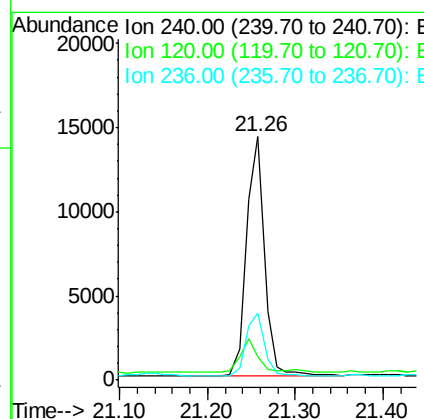
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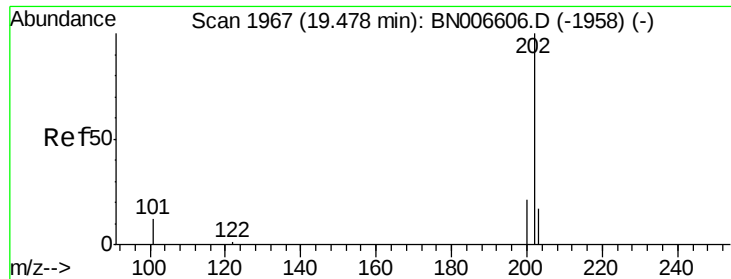
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.4	9.9	14.9#
236	27.5	22.2	33.4





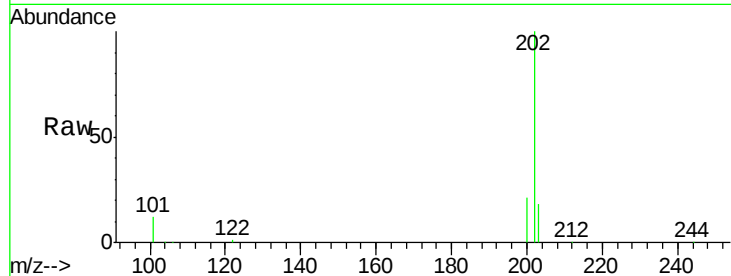
#28
 Pyrene
 Concen: 1.990 ng
 RT: 19.47 min Scan# 1966
 Delta R.T. -0.01 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B251-061819

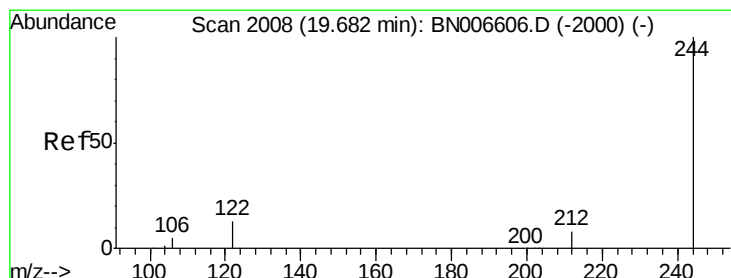
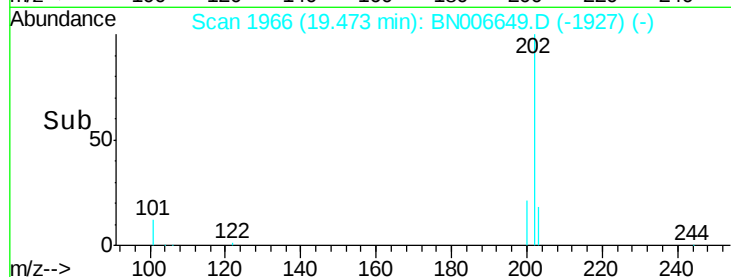
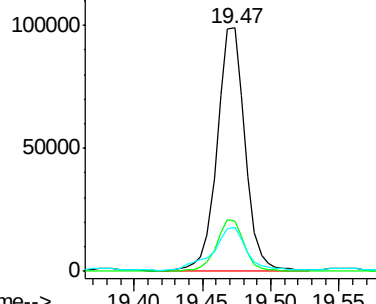
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.0	16.7	25.1
203	21.4	14.1	21.1

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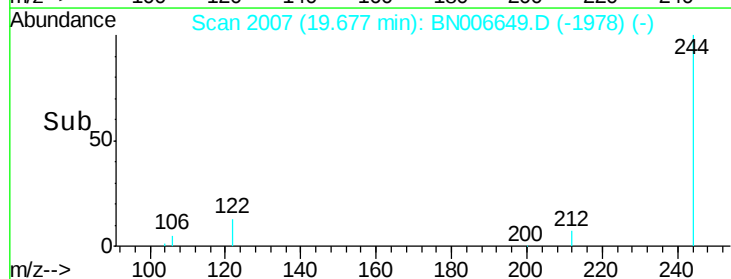
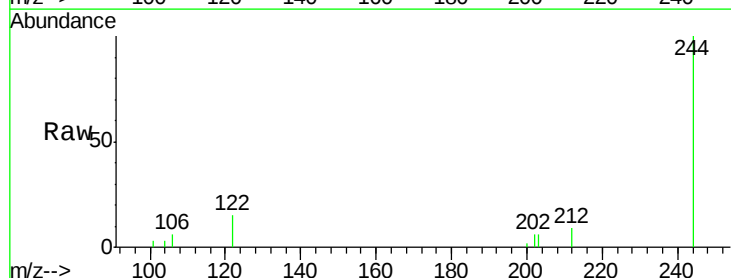
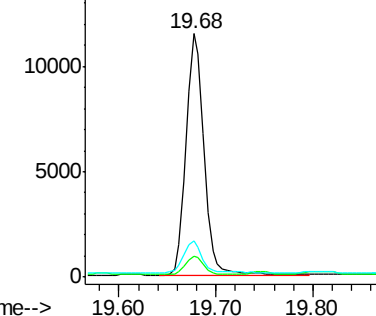
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

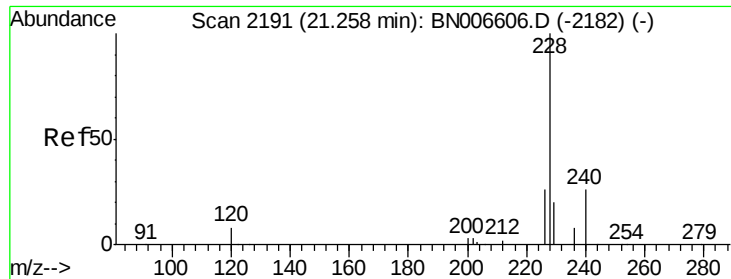


#29
 Terphenyl-d14
 Concen: 0.353 ng
 RT: 19.68 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.7	6.7	10.1
122	14.8	11.0	16.6

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





#30

Benzo(a)anthracene

Concen: 0.962 ng

RT: 21.24 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Instrument :

BNA_N

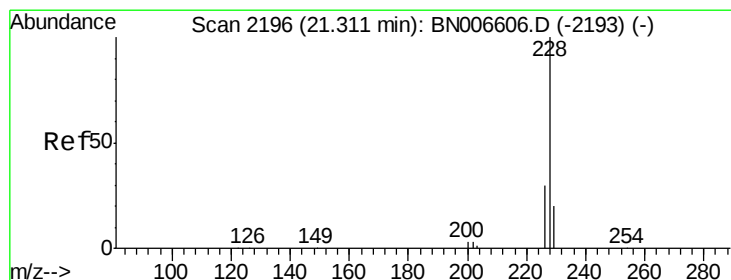
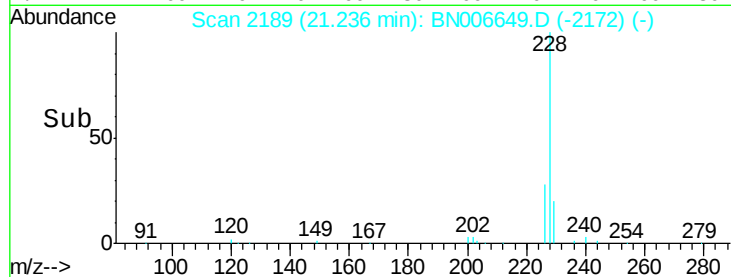
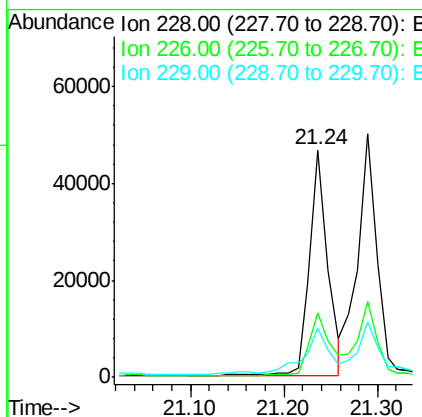
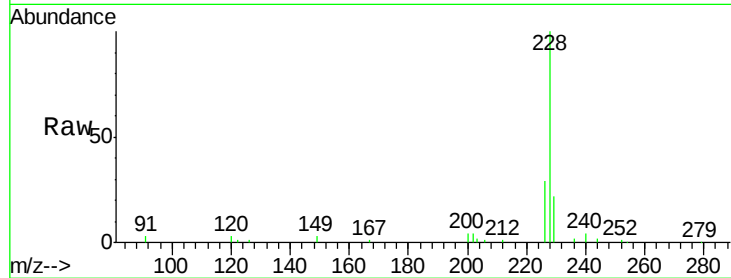
ClientSampleId :

PST-008-B251-061819

Tgt Ion:	228	Resp:	63173
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.2	31.8
229	21.9	16.1	24.1

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#31

Chrysene

Concen: 0.994 ng

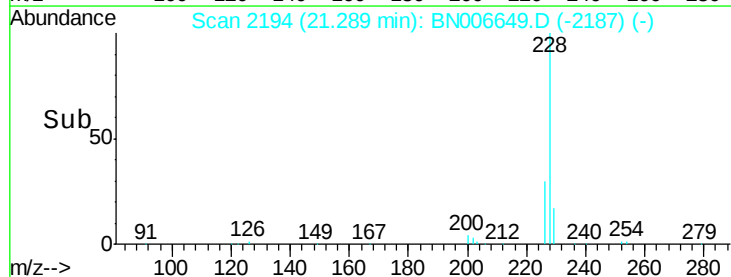
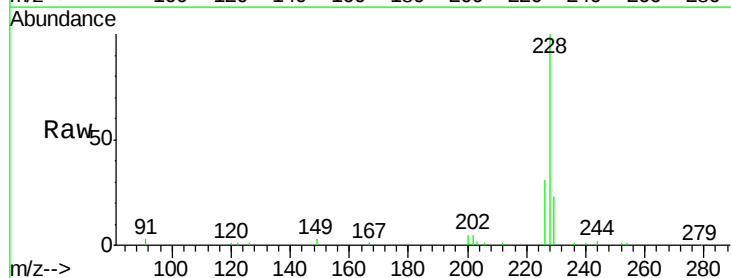
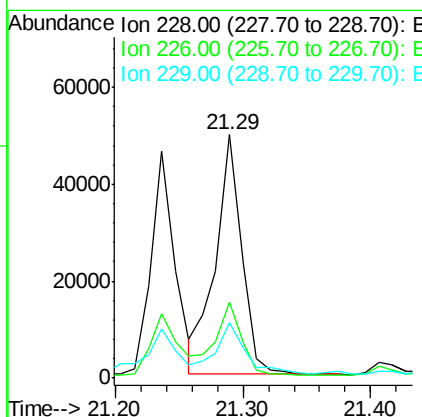
RT: 21.29 min Scan# 2194

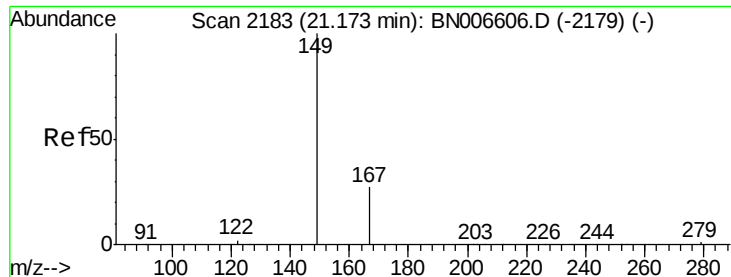
Delta R.T. -0.02 min

Lab File: BN006649.D

Acq: 29 Jun 2019 12:34

Tgt Ion:	228	Resp:	70331
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	22.6	15.9	23.9





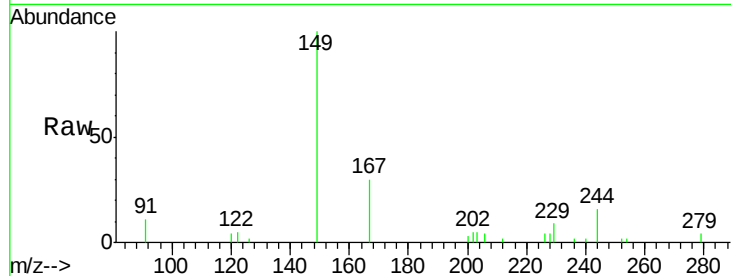
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.406 ng
 RT: 21.16 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B251-061819

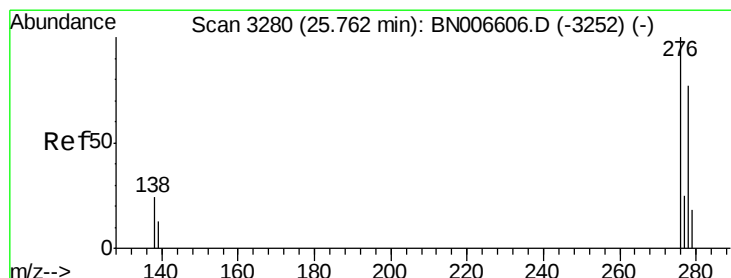
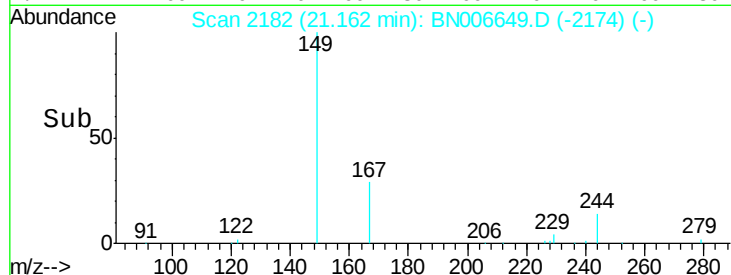
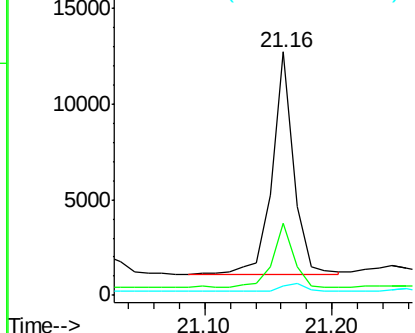
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	13415		
167	28.0	22.9	34.3	
279	4.1	3.3	4.9	

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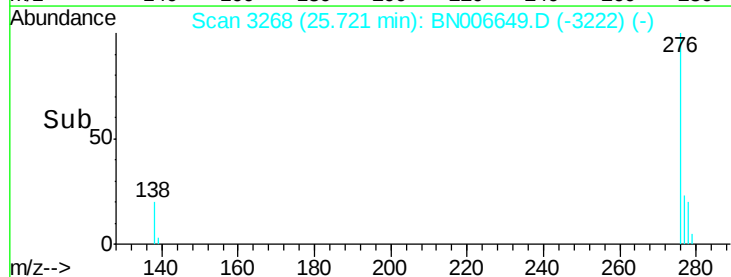
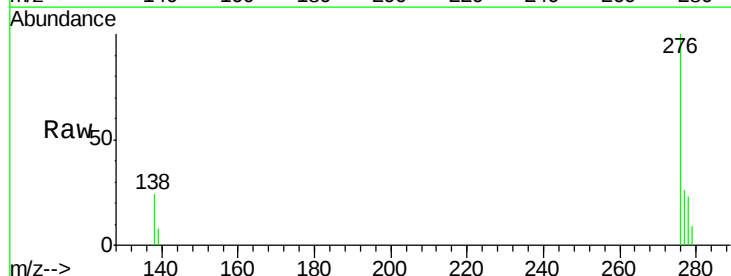
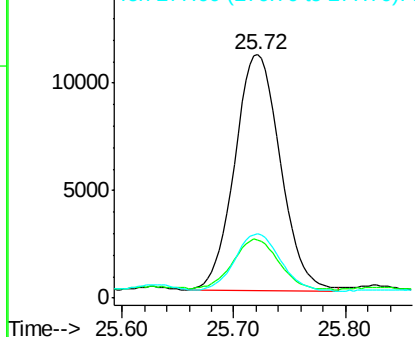
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

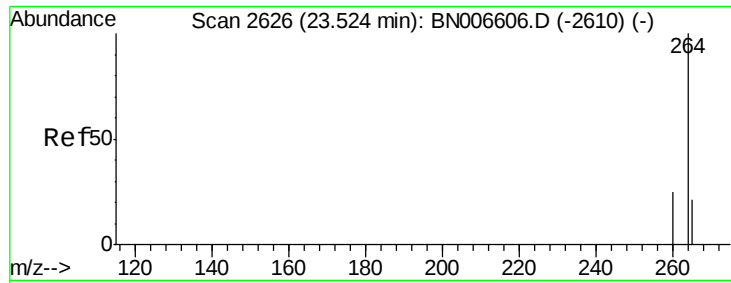


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.432 ng
 RT: 25.72 min Scan# 3268
 Delta R.T. -0.04 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	30953		
138	21.3	19.3	28.9	
277	24.1	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





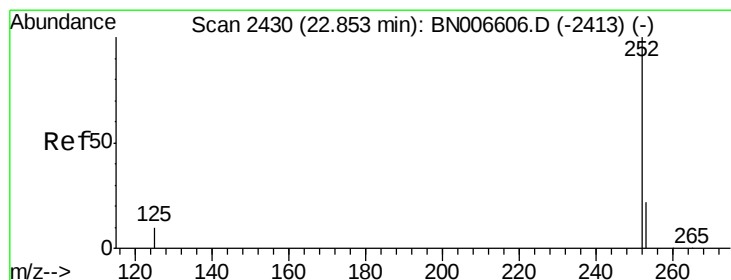
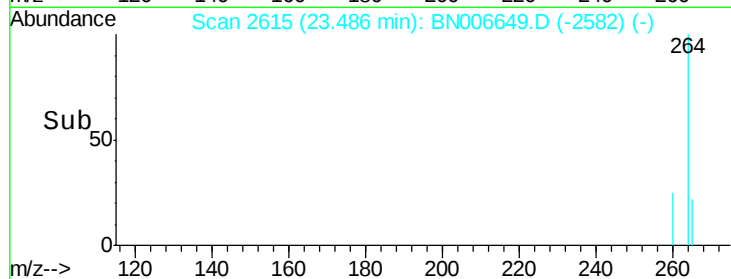
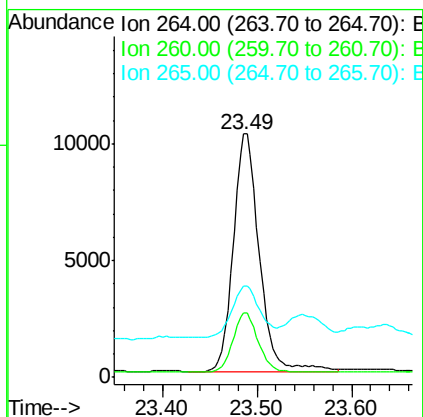
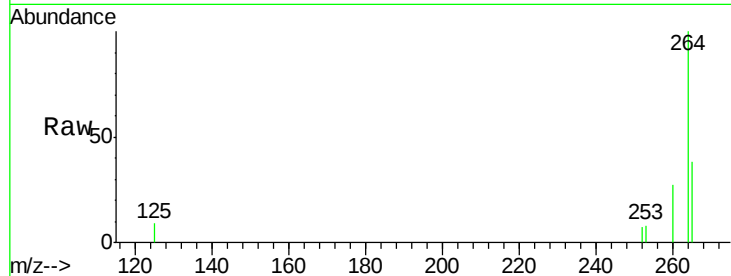
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.49 min Scan# 2615
 Delta R.T. -0.04 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B251-061819

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	19386		
260	26.7	20.2	30.2	
265	37.7	23.3	34.9	

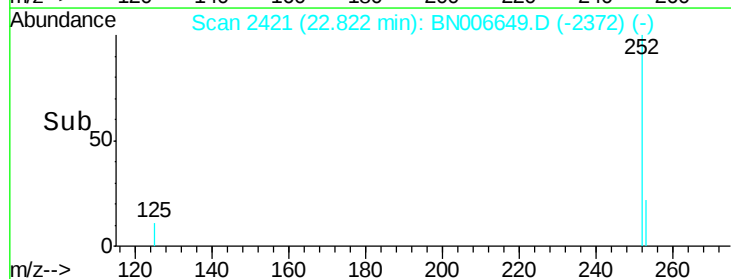
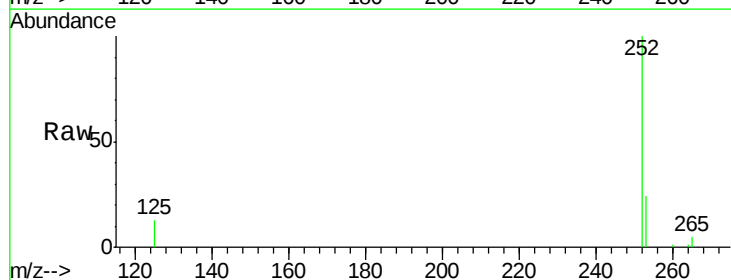
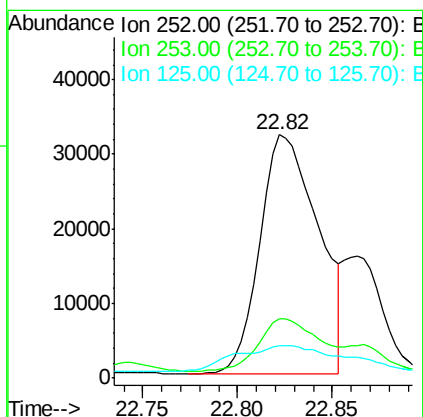
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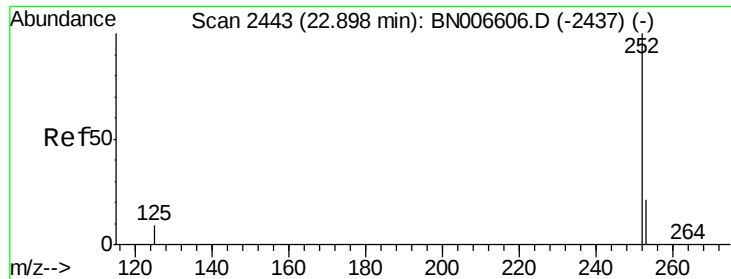
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#35
Benzo(b)fluoranthene
 Concen: 1.042 ng
 RT: 22.82 min Scan# 2421
 Delta R.T. -0.03 min
 Lab File: BN006649.D
 Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	68713		
253	24.2	18.4	27.6	
125	13.4	8.7	13.1	





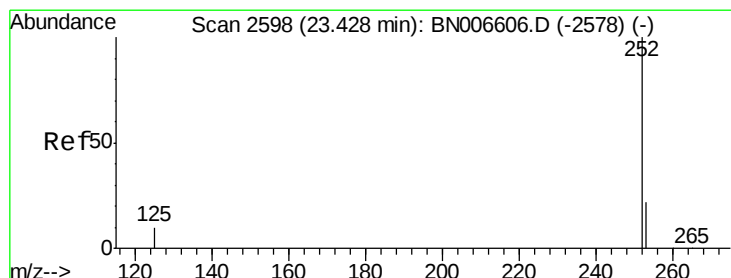
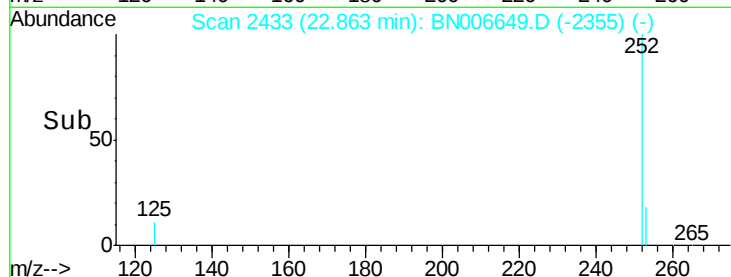
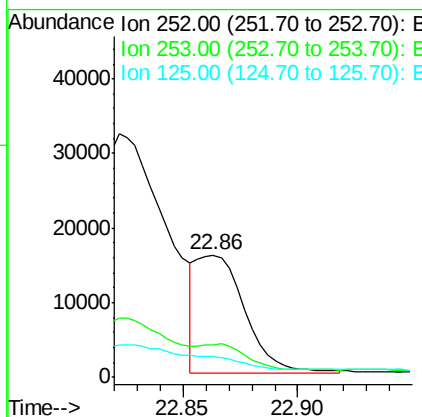
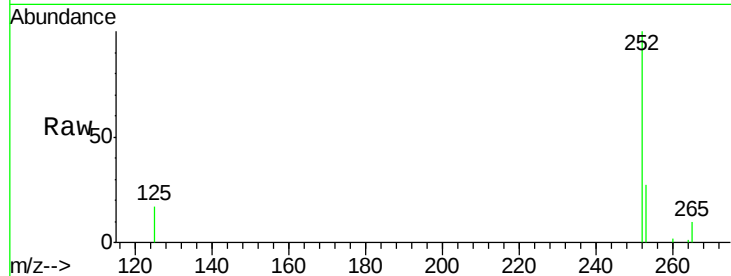
#36
Benzo(k)fluoranthene
Concen: 0.334 ng m
RT: 22.86 min Scan# 2433
Delta R.T. -0.03 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B251-061819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.3	27.5
125	17.1	8.4	12.6

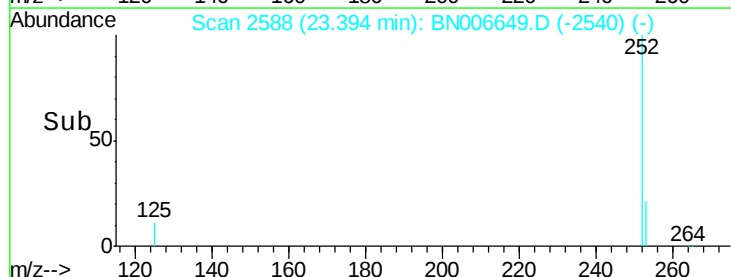
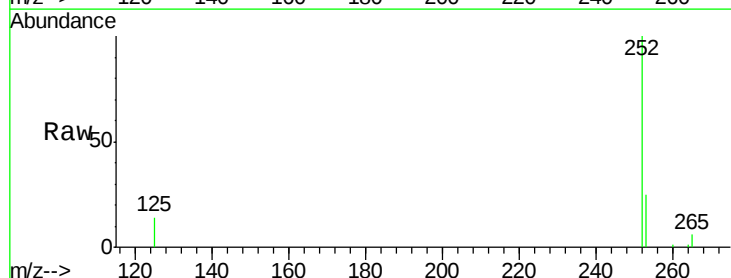
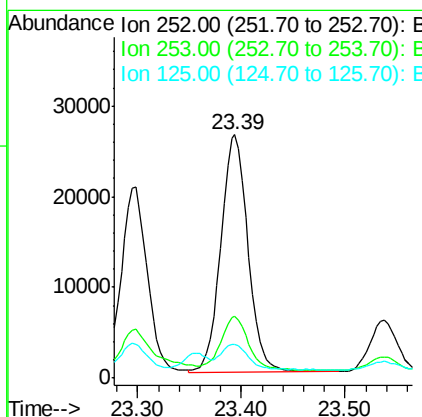
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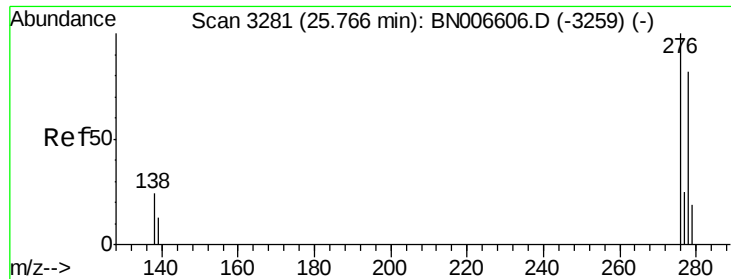
mohammad
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#37
Benzo(a)pyrene
Concen: 0.769 ng
RT: 23.39 min Scan# 2588
Delta R.T. -0.03 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.8	28.2
125	14.1	9.4	14.2





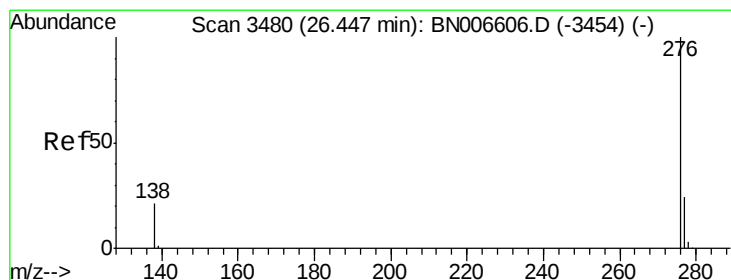
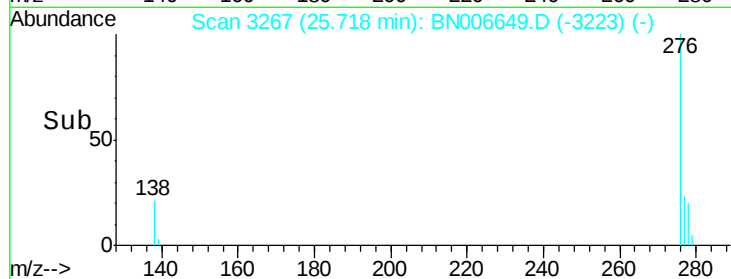
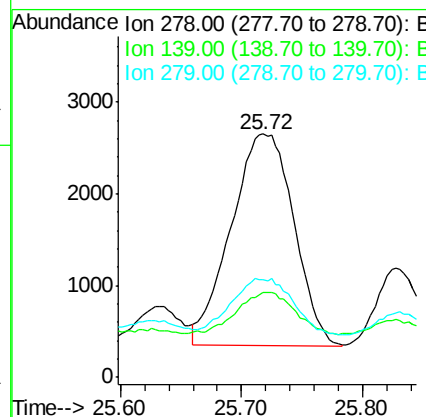
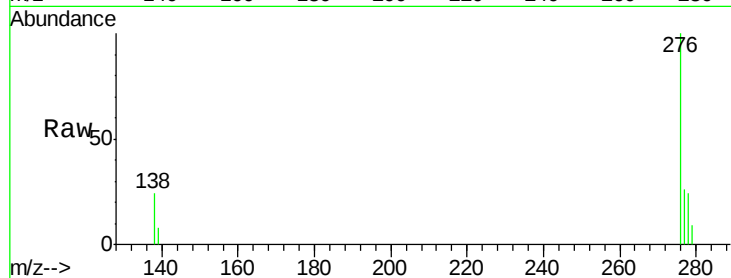
#38
Dibenzo(a,h)anthracene
Concen: 0.155 ng
RT: 25.72 min Scan# 3267
Delta R.T. -0.05 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34

Instrument :
BNA_N
ClientSampleId :
PST-008-B251-061819

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.7	13.5	20.3#
279	39.9	19.4	29.2#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 0.584 ng
RT: 26.41 min Scan# 3469
Delta R.T. -0.04 min
Lab File: BN006649.D
Acq: 29 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.6	29.4
138	24.3	17.7	26.5

