

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006648.D
 Acq On : 29 Jun 2019 11:59
 Operator : HP/JU
 Sample : K3446-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW123-061819

Manual Integrations
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Quant Time: Jul 01 08:24:38 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	5405	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	23007	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	13114	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	28293	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	20565	0.40	ng	-0.01
34) Perylene-d12	23.49	264	19350	0.40	ng	-0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	4088	0.31	ng	0.00
5) Phenol-d6	6.81	99	6019	0.34	ng	-0.02
8) Nitrobenzene-d5	8.79	82	4853	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	12714	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1726	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	13885	0.29	ng	-0.01
25) Fluoranthene-d10	19.07	212	27525	0.33	ng	-0.01
29) Terphenyl-d14	19.68	244	13844	0.32	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.45	128	3257	0.054	ng	# 91
12) 2-Methylnaphthalene	12.07	142	1752	0.042	ng	# 95
16) Acenaphthylene	13.99	152	10022	0.160	ng	98
17) Acenaphthene	14.33	154	1446	0.035	ng	95
18) Fluorene	15.32	166	2199	0.042	ng	# 89
23) Phenanthrene	17.07	178	65694	0.817	ng	100
24) Anthracene	17.16	178	9062	0.130	ng	# 91
26) Fluoranthene	19.10	202	139201	1.424	ng	99
28) Pyrene	19.47	202	134846	1.874	ng	97
30) Benzo(a)anthracene	21.24	228	59126	0.879	ng	95
31) Chrysene	21.29	228	62822	0.867	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	46198	1.365	ng	100
33) Indeno(1,2,3-cd)pyrene	25.72	276	31946	0.435	ng	96
35) Benzo(b)fluoranthene	22.82	252	69773	1.060	ng	# 94
36) Benzo(k)fluoranthene	22.86	252	23276m	0.332	ng	
37) Benzo(a)pyrene	23.39	252	46527	0.756	ng	# 94
38) Dibenzo(a,h)anthracene	25.72	278	8700	0.162	ng	# 62
39) Benzo(g,h,i)perylene	26.41	276	31850	0.594	ng	94

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

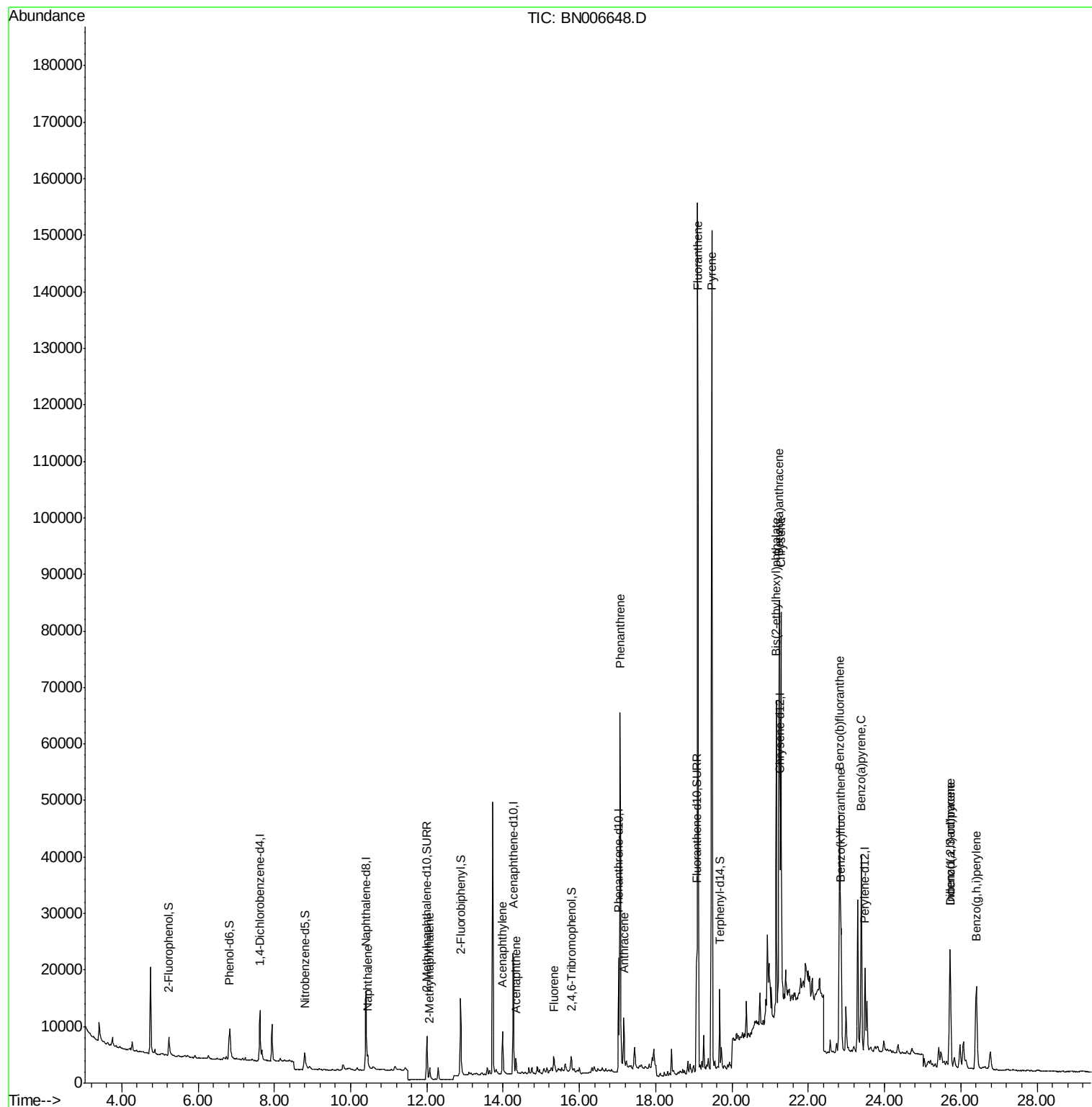
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006648.D
Acq On : 29 Jun 2019 11:59
Operator : HP/JU
Sample : K3446-12
Misc :
ALS Vial : 28 Sample Multiplier: 1

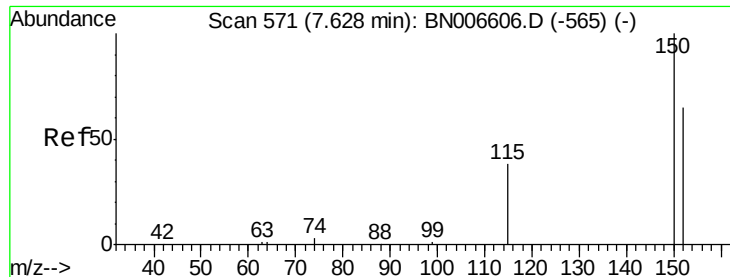
Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

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Quant Time: Jul 01 08:24:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
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QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration

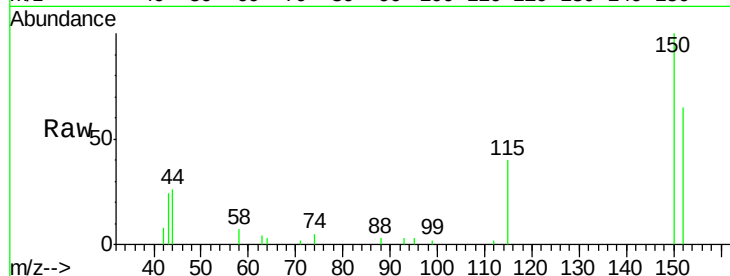




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

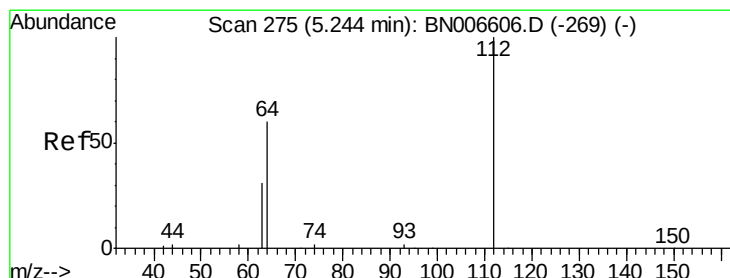
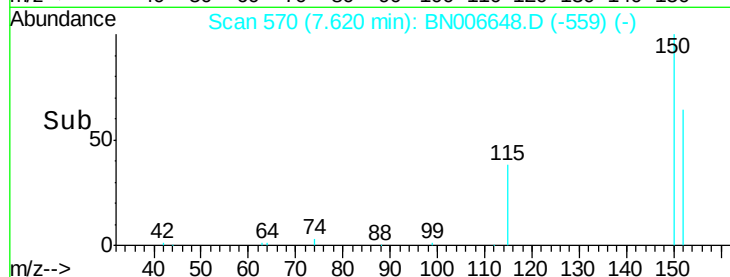
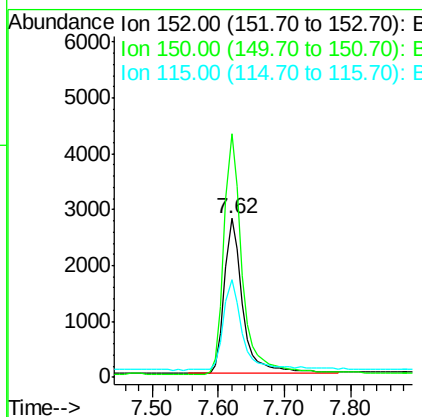
Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.2	183.2
115	61.5	50.0	75.0

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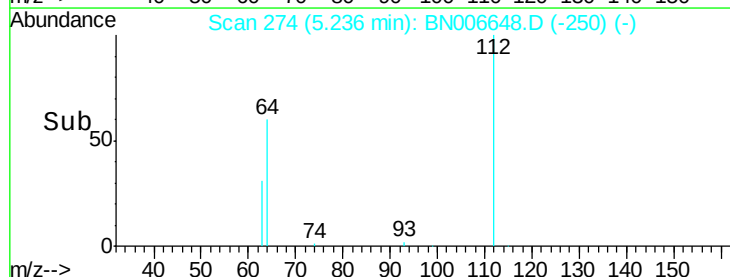
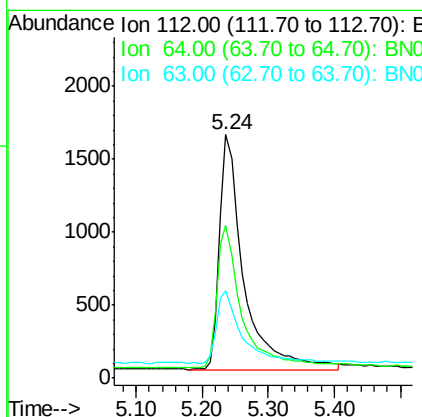
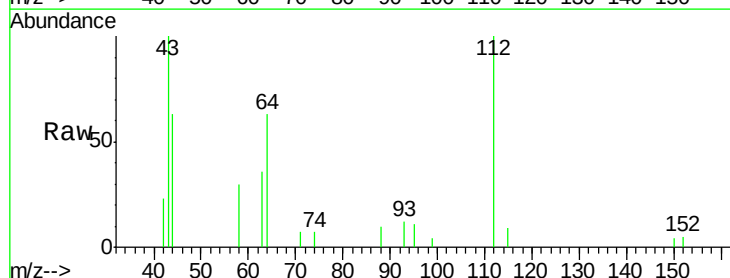
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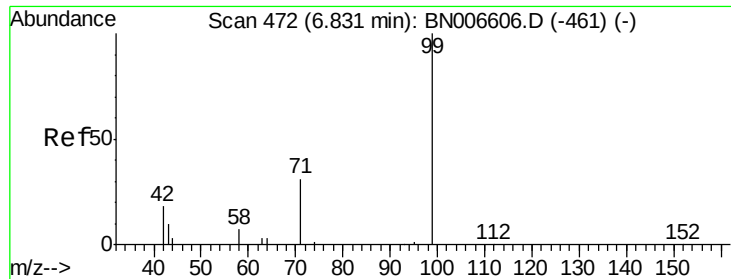


#4

2-Fluorophenol
Concen: 0.308 ng
RT: 5.24 min Scan# 274
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	48.9	73.3
63	34.0	24.3	36.5





#5

Phenol-d6

Concen: 0.343 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

Instrument :

BNA_N

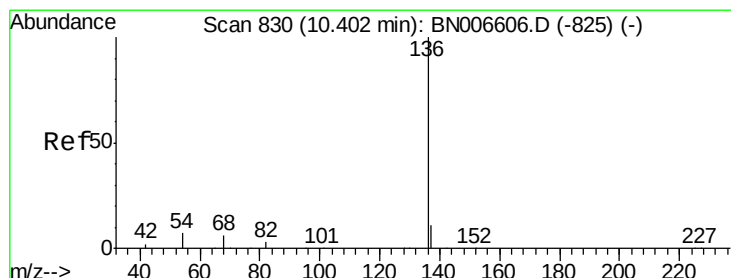
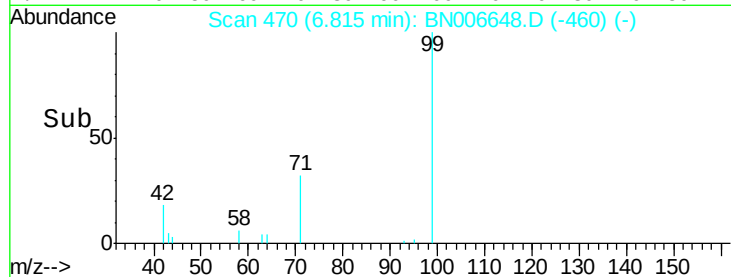
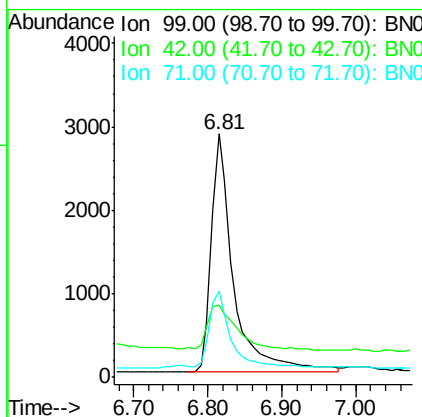
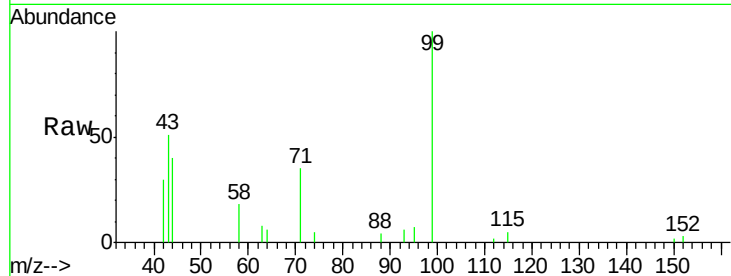
ClientSampleId :

PST-008-SW123-061819

Tgt Ion:	99	Resp:	6019
Ion Ratio	Lower	Upper	
99	100		
42	26.0	16.4	24.6#
71	28.6	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

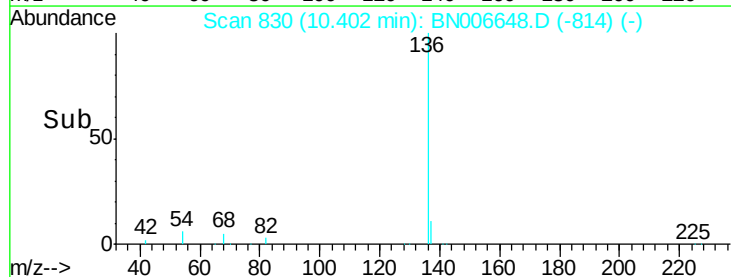
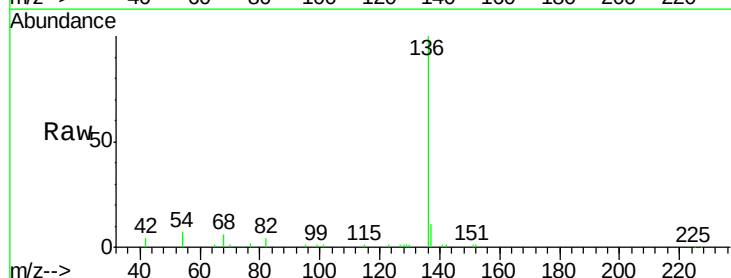
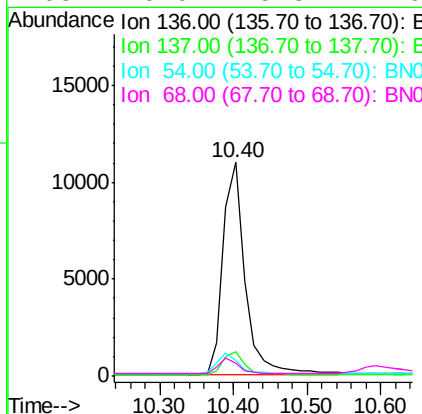
RT: 10.40 min Scan# 830

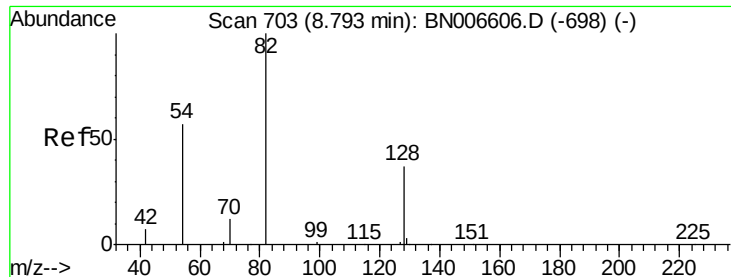
Delta R.T. -0.00 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

Tgt Ion:	136	Resp:	23007
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.3	13.9
54	7.4	6.7	10.1
68	6.0	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.314 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

Instrument :

BNA_N

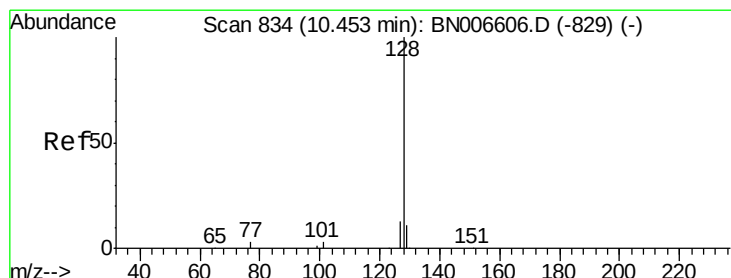
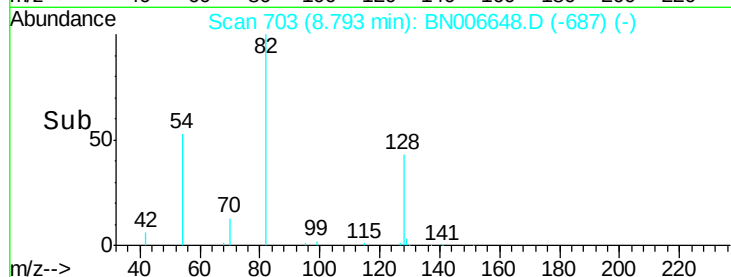
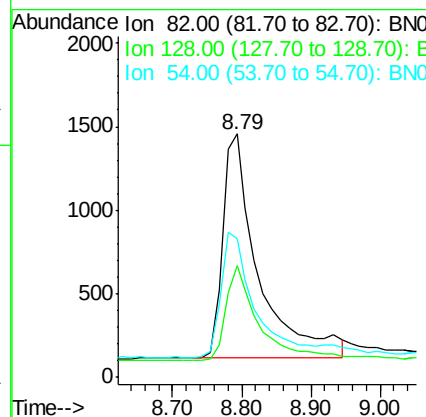
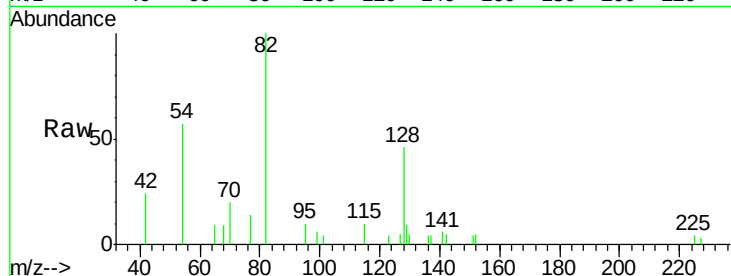
ClientSampleId :

PST-008-SW123-061819

Tgt Ion:	82	Resp:	4853
Ion	Ratio	Lower	Upper
82	100		
128	46.1	32.6	49.0
54	56.7	48.2	72.4

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#9

Naphthalene

Concen: 0.054 ng

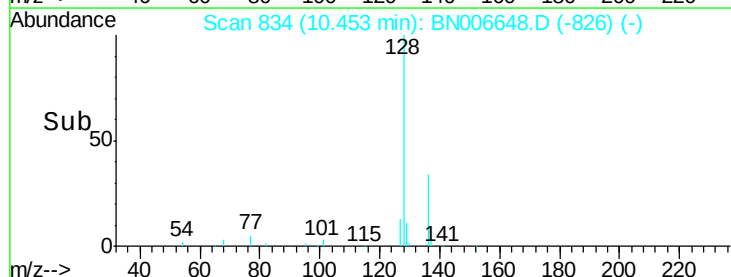
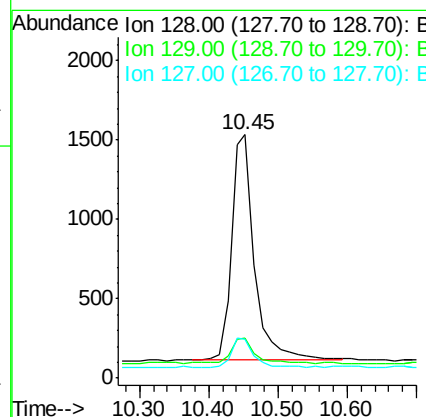
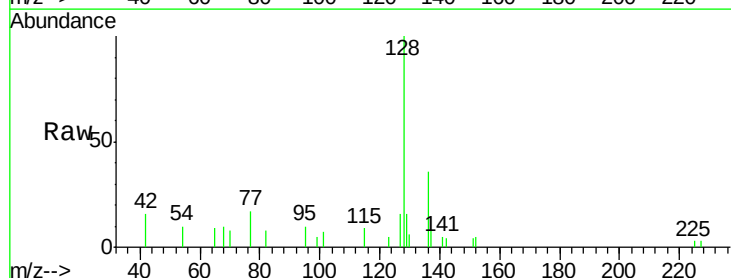
RT: 10.45 min Scan# 834

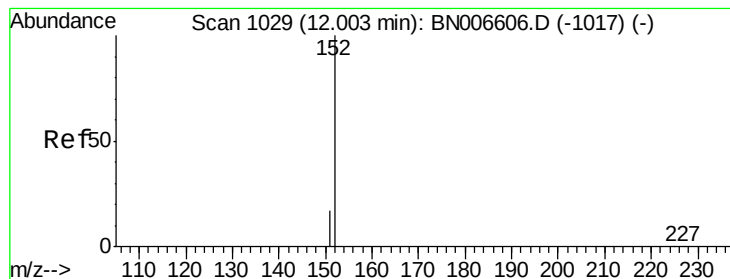
Delta R.T. -0.00 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

Tgt Ion:	128	Resp:	3257
Ion	Ratio	Lower	Upper
128	100		
129	16.4	9.3	13.9#
127	16.0	10.8	16.2





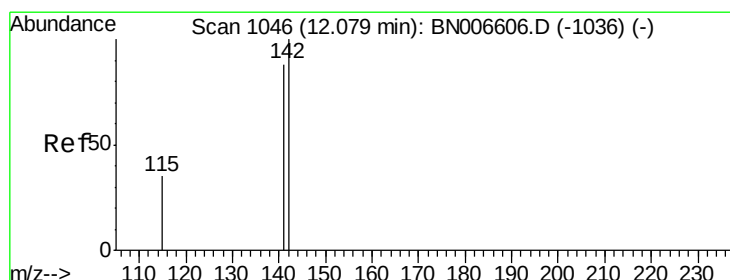
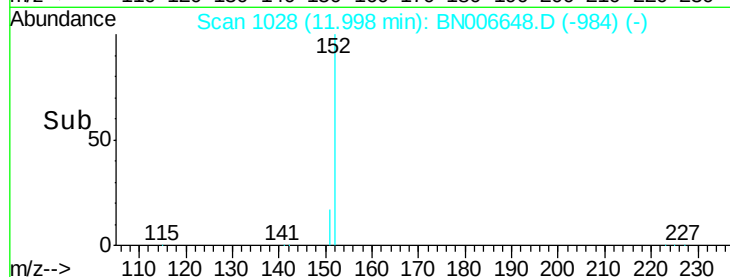
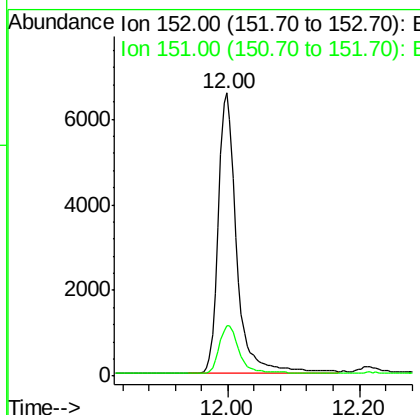
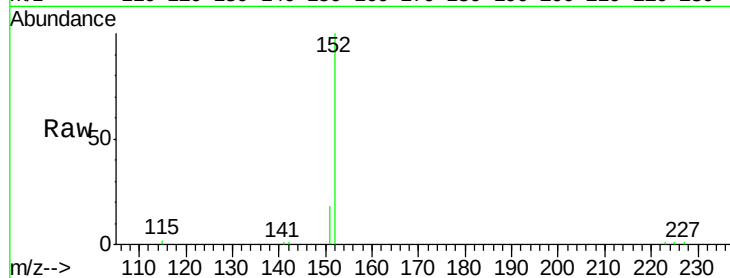
#11
 2-Methylnaphthalene-d10
 Concen: 0.351 ng
 RT: 12.00 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BN006648.D
 Acq: 29 Jun 2019 11:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW123-061819

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.4

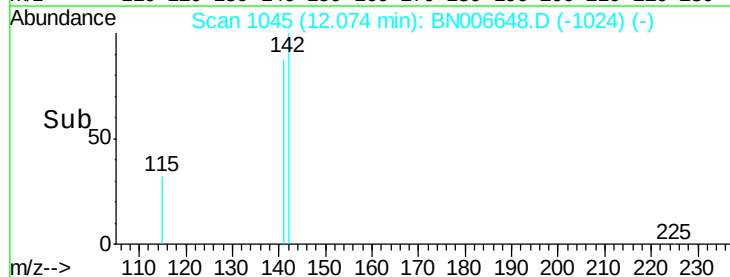
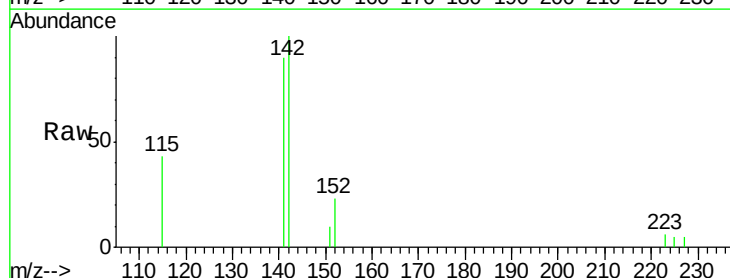
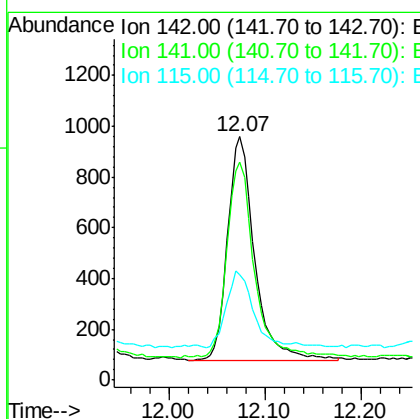
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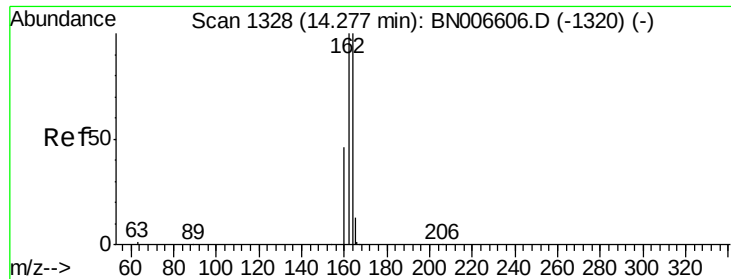
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#12
 2-Methylnaphthalene
 Concen: 0.042 ng
 RT: 12.07 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BN006648.D
 Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.2	105.4
115	43.5	28.5	42.7#





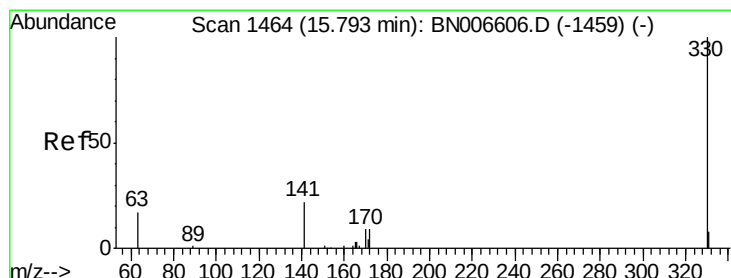
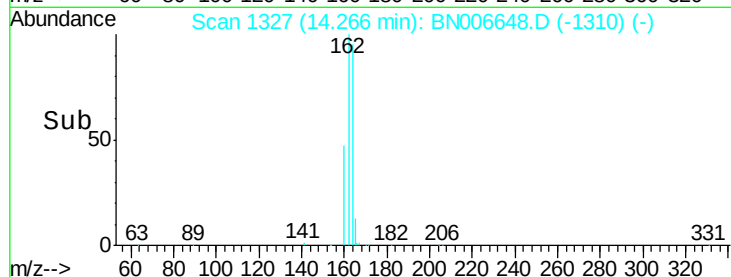
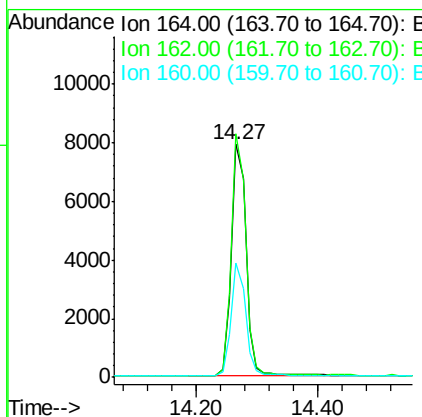
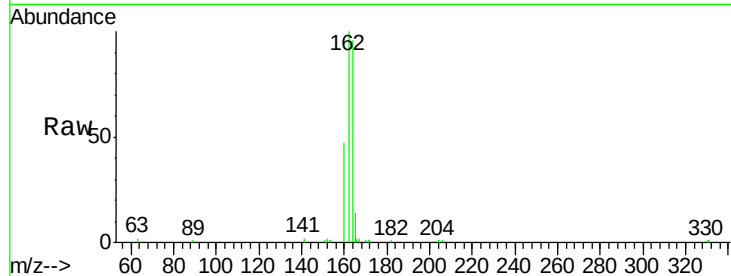
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.0	120.0
160	49.2	37.0	55.4

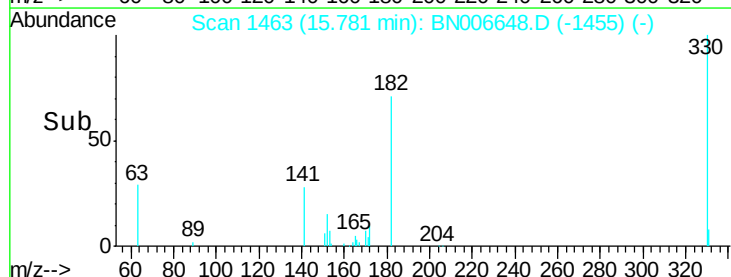
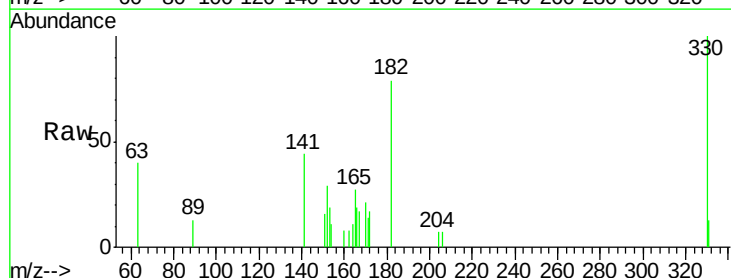
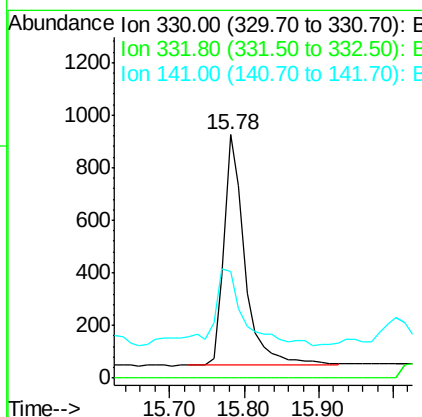
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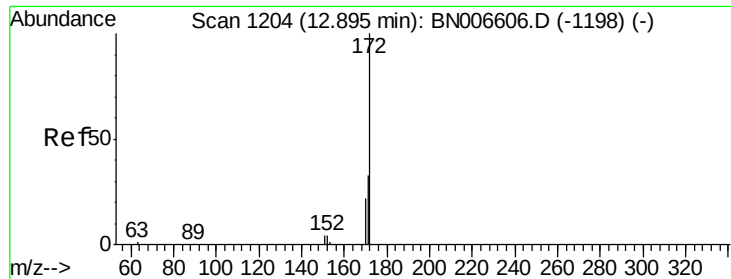
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#14
2,4,6-Tribromophenol
Concen: 0.280 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.0	26.5	39.7#





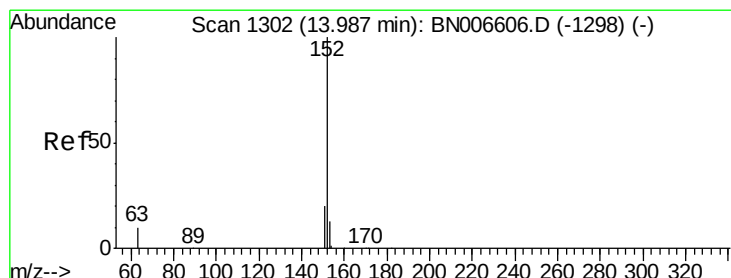
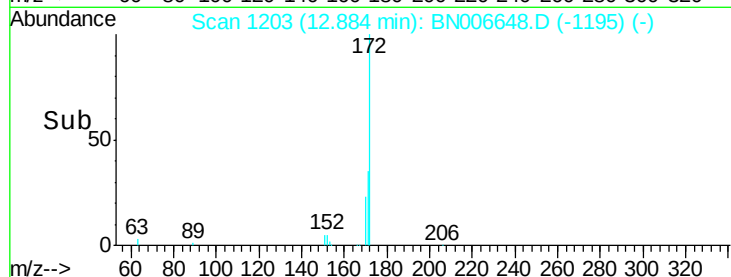
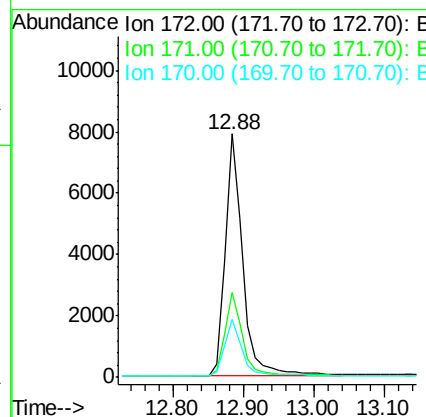
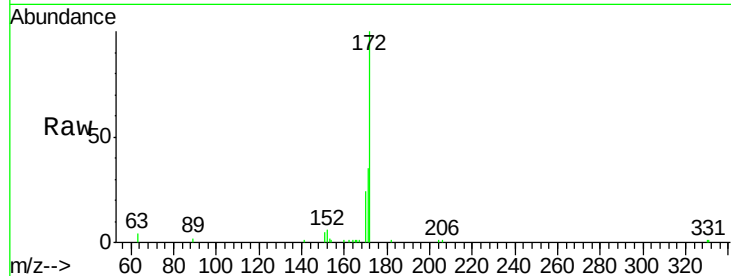
#15
2-Fluorobiphenyl
Concen: 0.286 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

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

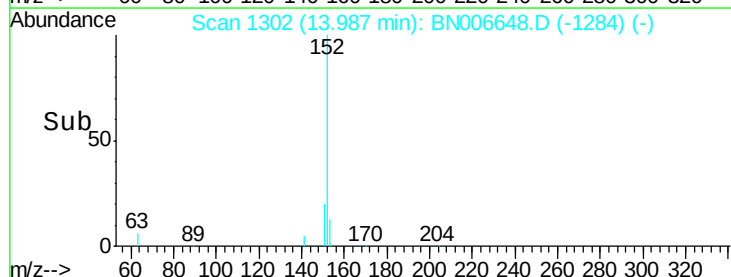
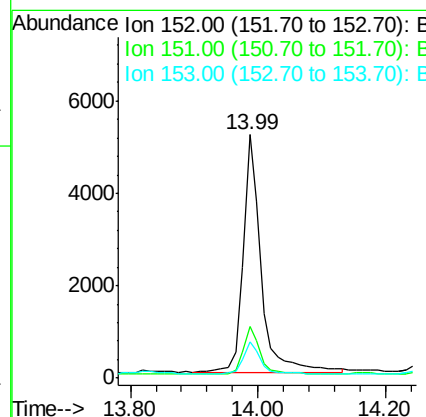
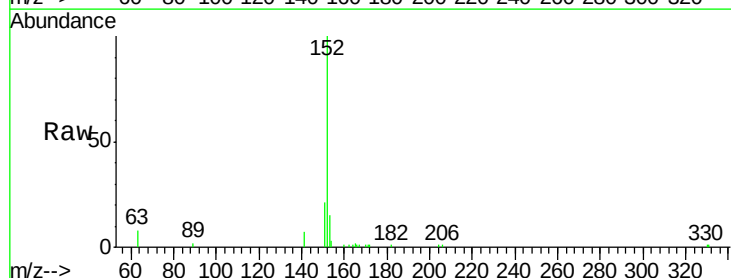
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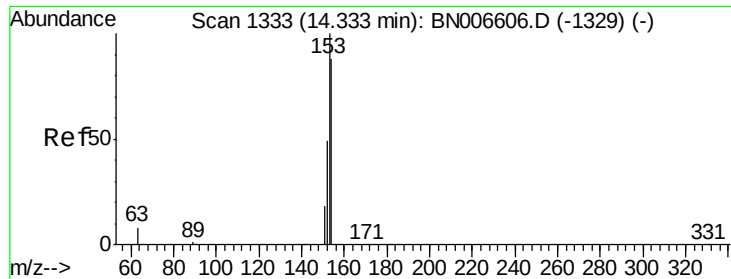
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#16
Acenaphthylene
Concen: 0.160 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.6	23.4
153	13.5	10.5	15.7





#17

Acenaphthene

Concen: 0.035 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BN006648.D

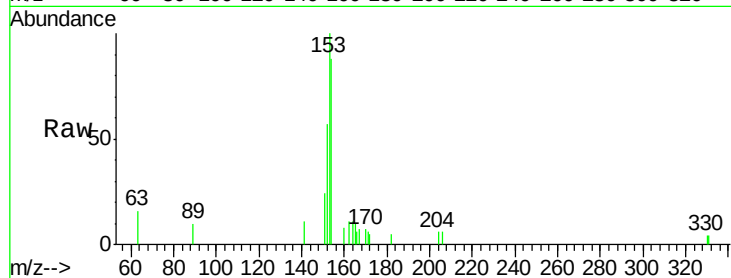
Acq: 29 Jun 2019 11:59

Instrument :

BNA_N

ClientSampleId :

PST-008-SW123-061819



Tgt Ion:154 Resp: 1446

Ion Ratio Lower Upper

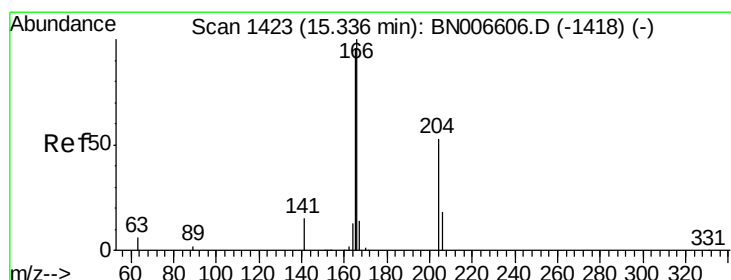
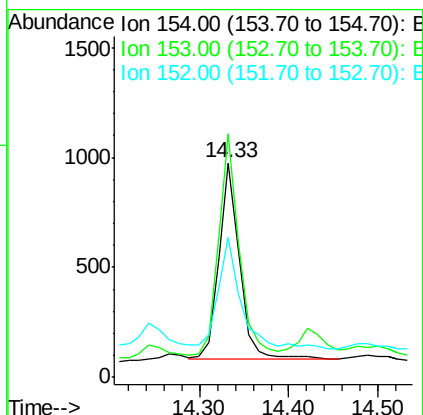
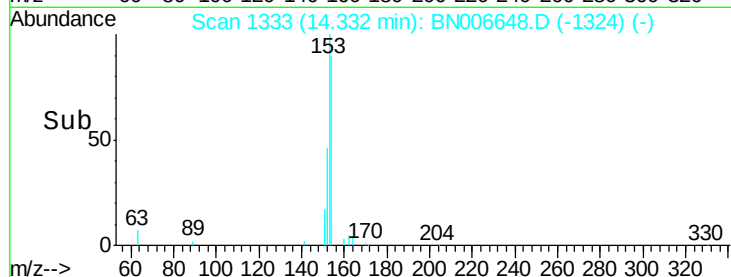
154 100

153 111.2 90.2 135.4

152 65.1 44.2 66.4

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#18

Fluorene

Concen: 0.042 ng

RT: 15.32 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

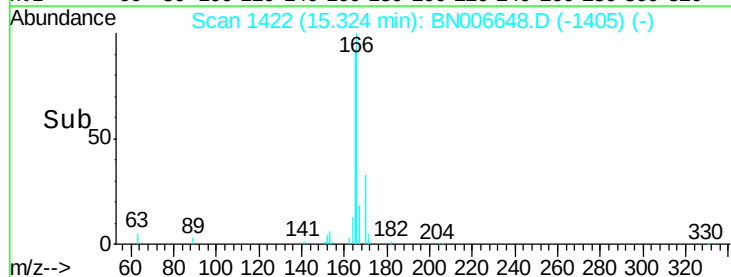
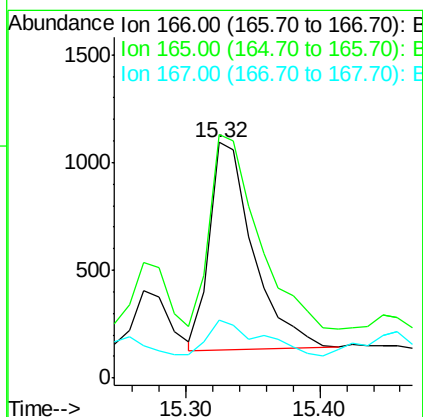
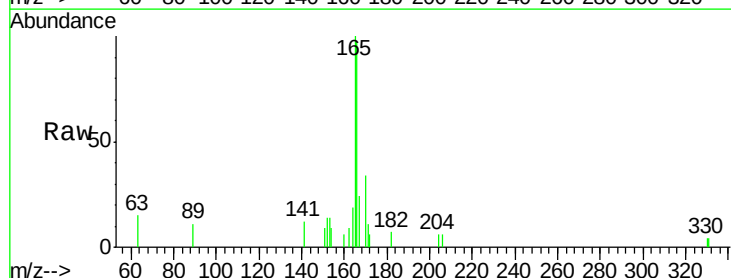
Tgt Ion:166 Resp: 2199

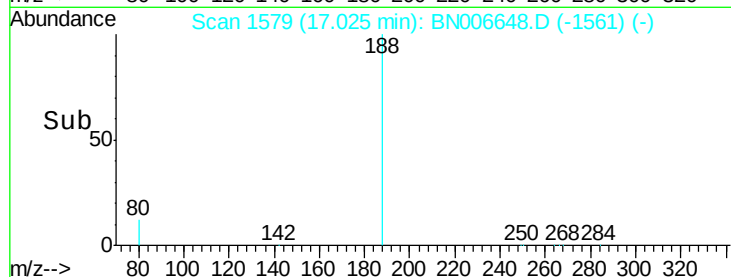
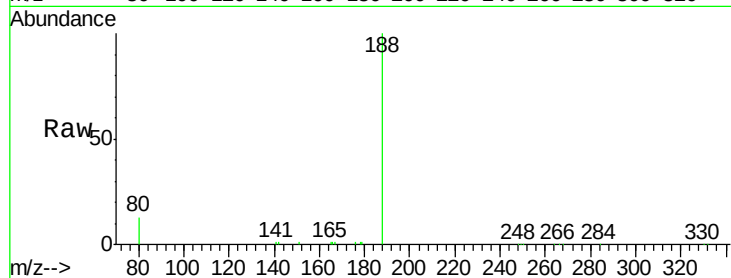
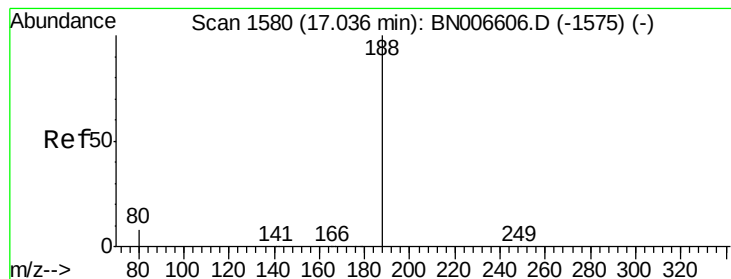
Ion Ratio Lower Upper

166 100

165 107.7 78.4 117.6

167 20.9 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: BN006648.D

Acq: 29 Jun 2019 11:59

Instrument :

BNA_N

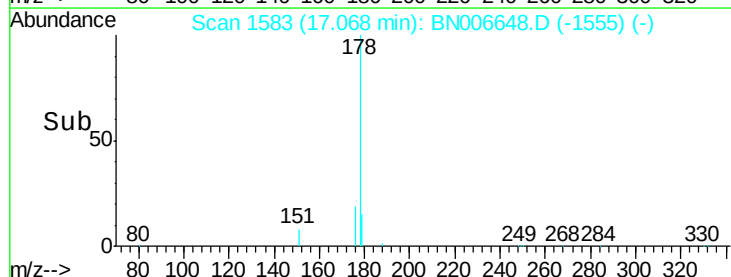
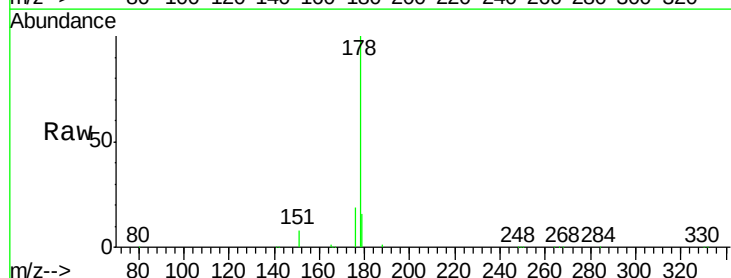
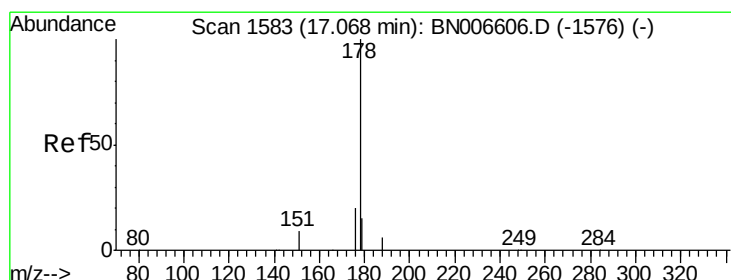
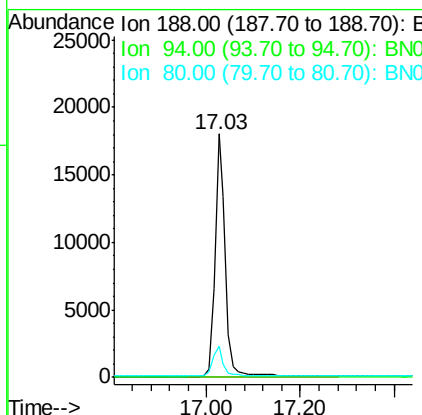
ClientSampleId :

PST-008-SW123-061819

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	28293		
94	0.0	0.0	0.0	
80	12.6	7.1	10.7	

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#23

Phenanthrene

Concen: 0.817 ng

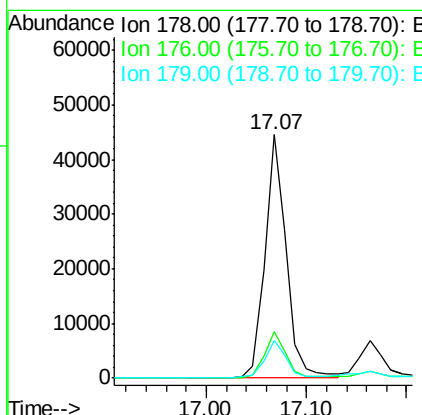
RT: 17.07 min Scan# 1583

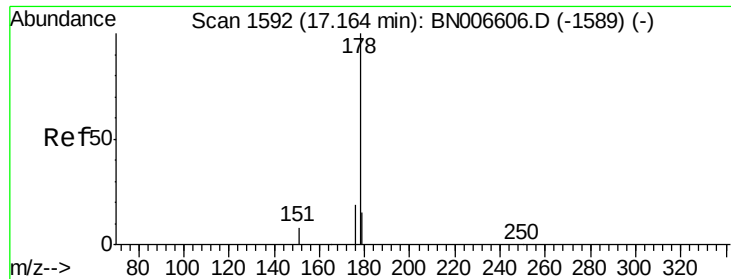
Delta R.T. -0.00 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	65694		
176	19.1	15.3	22.9	
179	15.3	12.2	18.4	





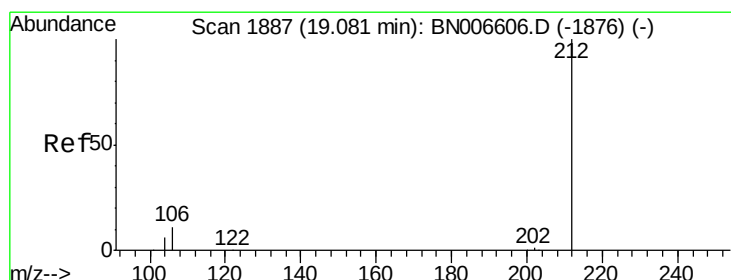
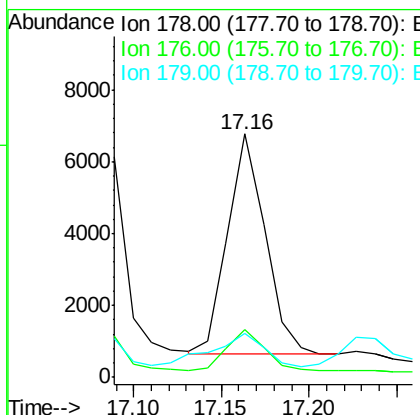
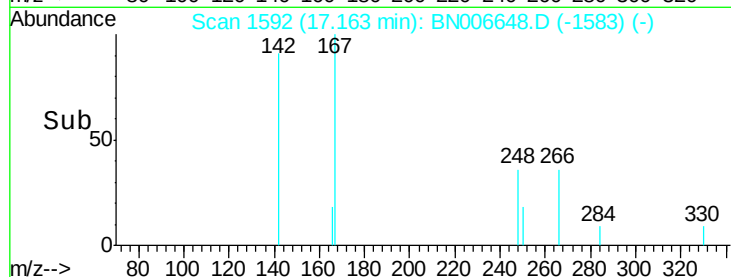
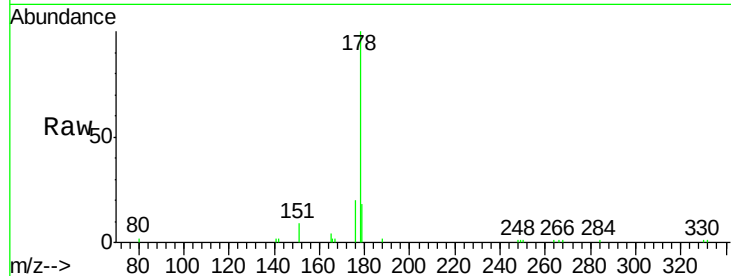
#24
 Anthracene
 Concen: 0.130 ng
 RT: 17.16 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BN006648.D
 Acq: 29 Jun 2019 11:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW123-061819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.0	22.4
179	20.8	12.2	18.2

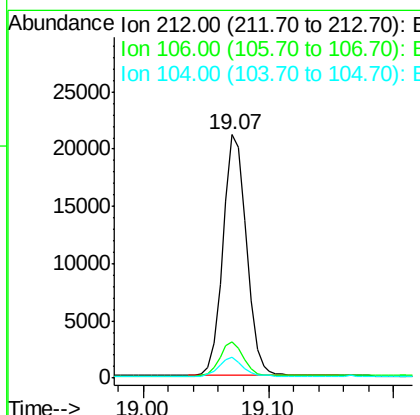
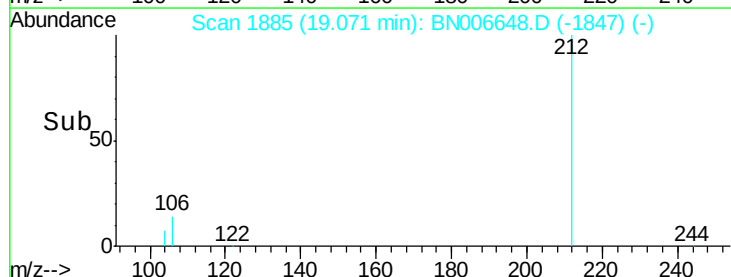
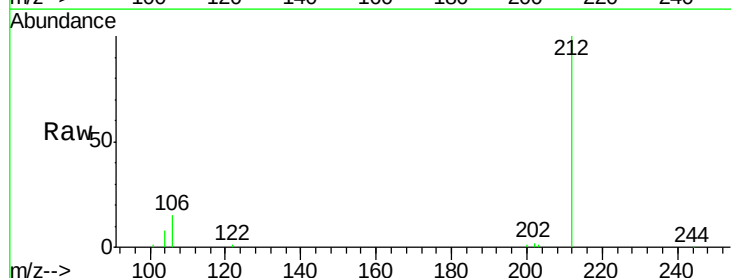
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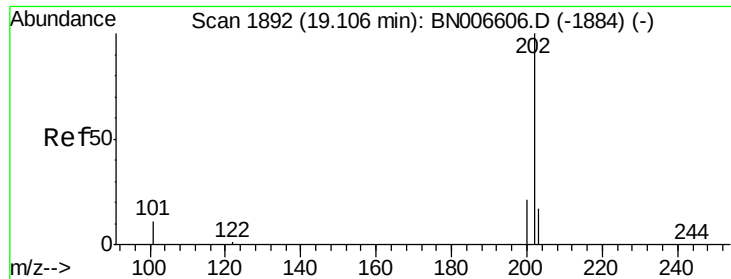
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.331 ng
 RT: 19.07 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN006648.D
 Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.3	10.6	15.8
104	7.7	5.8	8.6





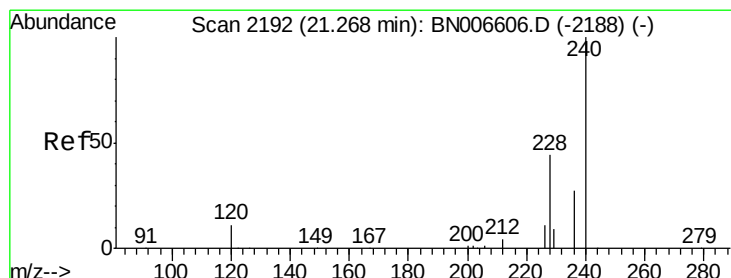
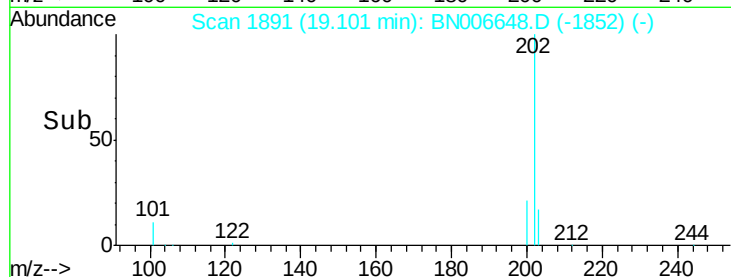
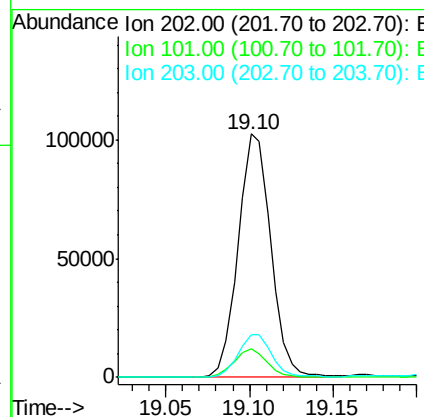
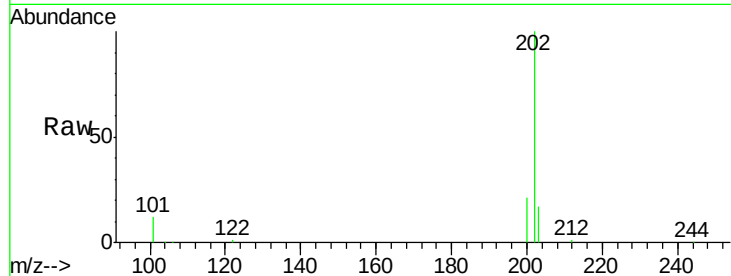
#26
Fluoranthene
Concen: 1.424 ng
RT: 19.10 min Scan# 1891
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.4	8.9	13.3
203	17.4	13.6	20.4

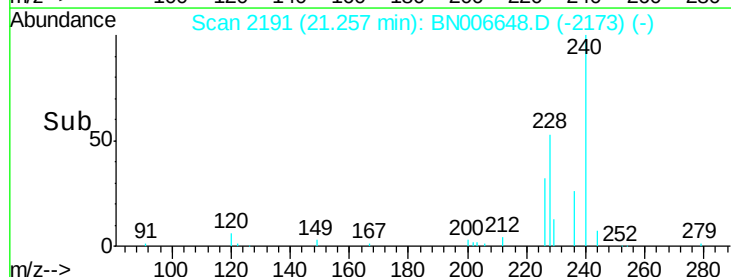
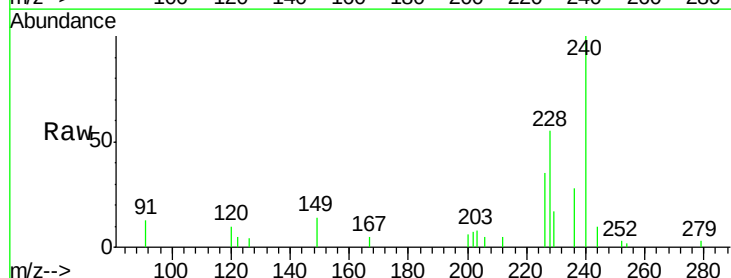
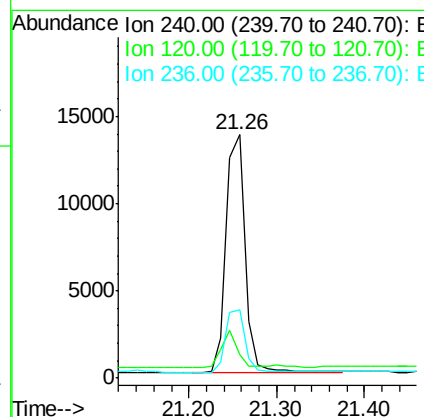
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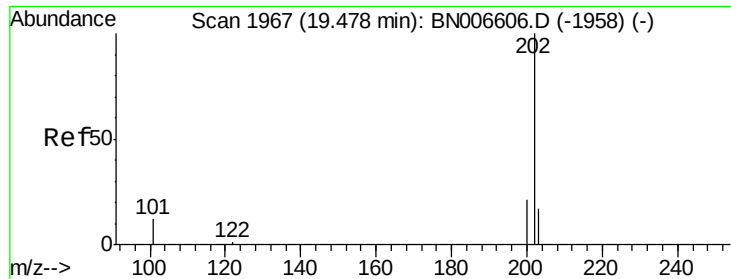
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

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





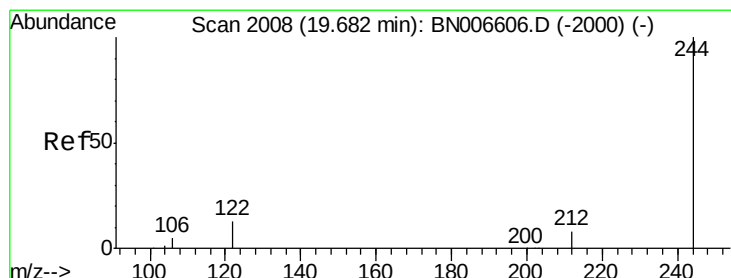
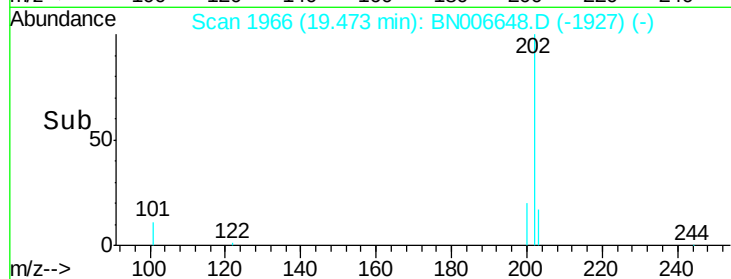
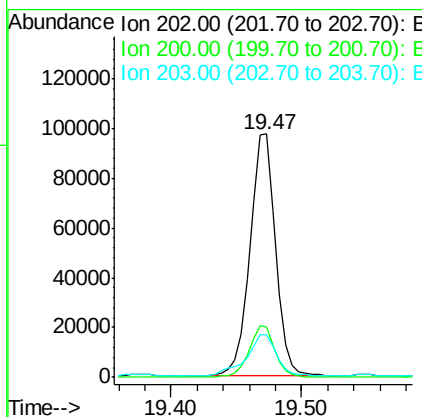
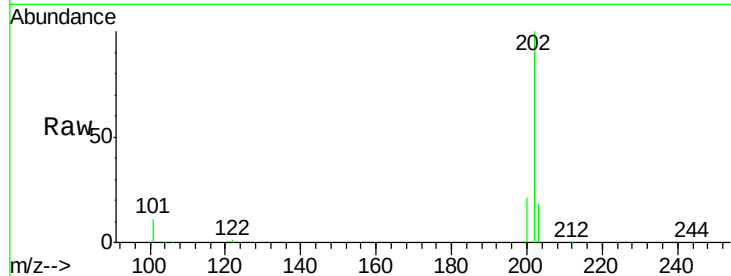
#28
Pyrene
Concen: 1.874 ng
RT: 19.47 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	16.7	25.1	
203	20.7	14.1	21.1	

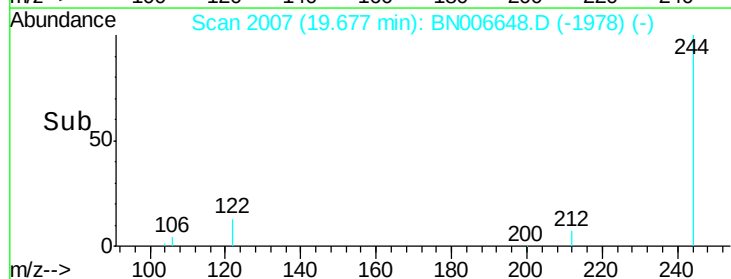
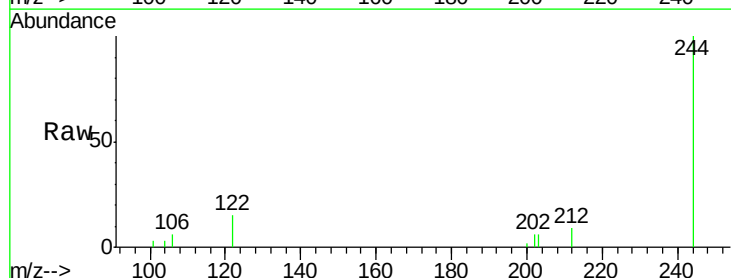
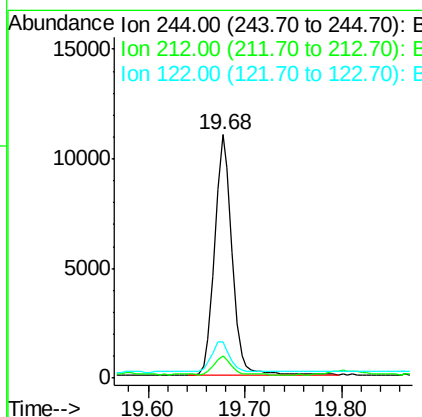
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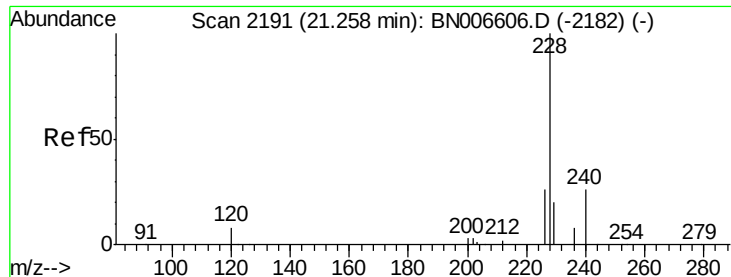
mohammad
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#29
Terphenyl-d14
Concen: 0.321 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.1	6.7	10.1	
122	15.0	11.0	16.6	





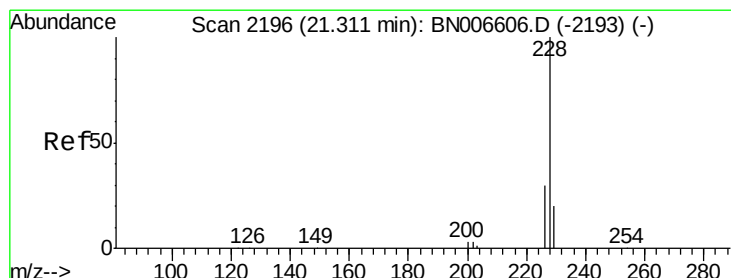
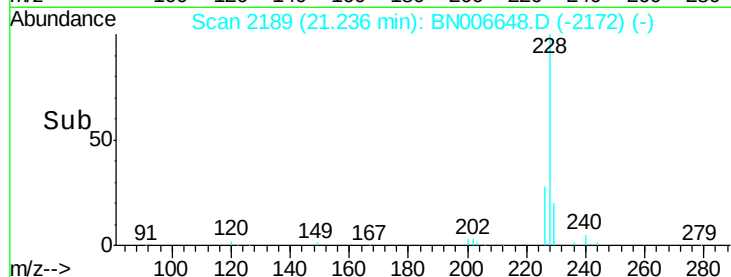
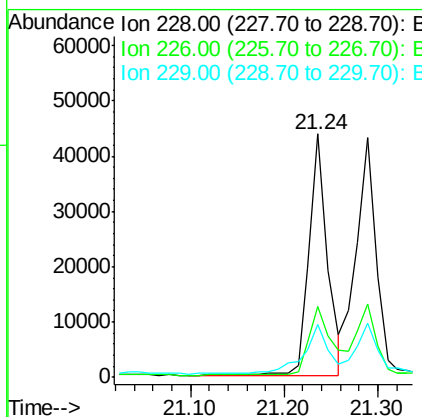
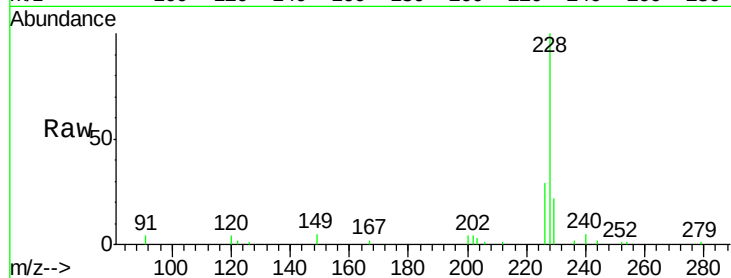
#30
Benzo(a)anthracene
Concen: 0.879 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.2	31.8
229	22.0	16.1	24.1

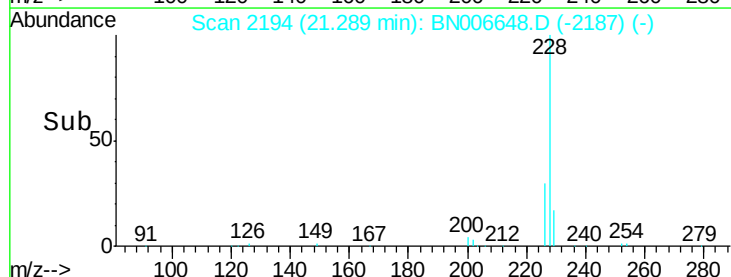
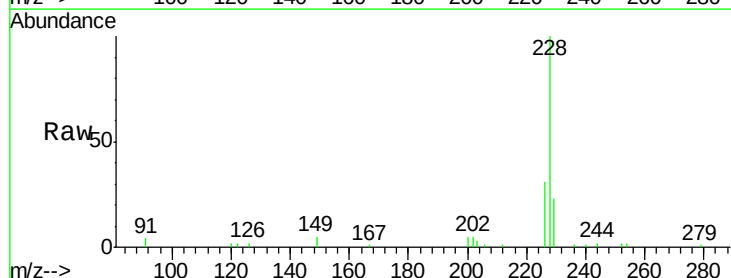
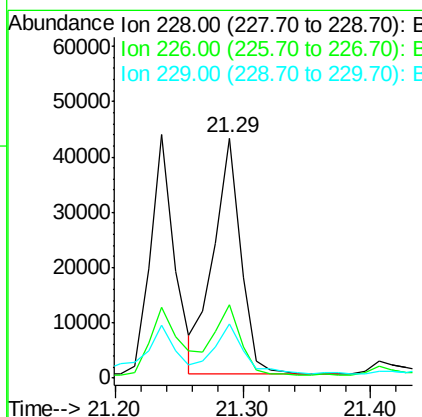
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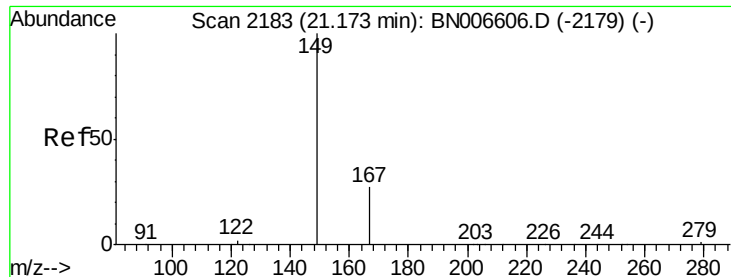
mohammad
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#31
Chrysene
Concen: 0.867 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.6
229	22.8	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.365 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

Instrument :

BNA_N

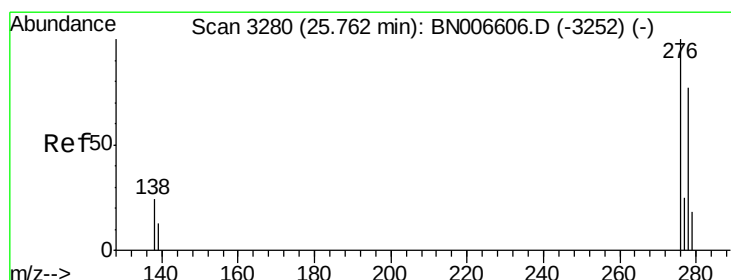
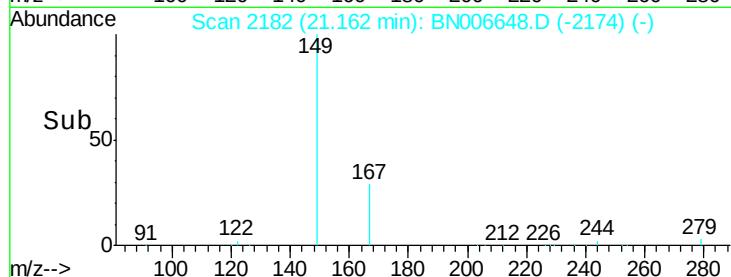
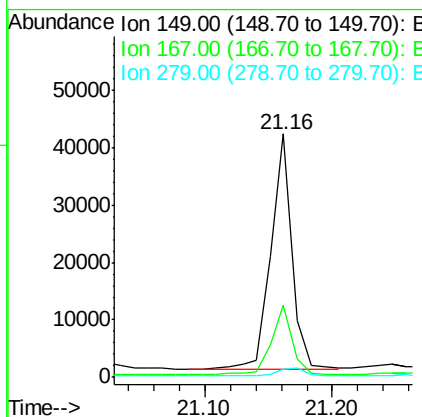
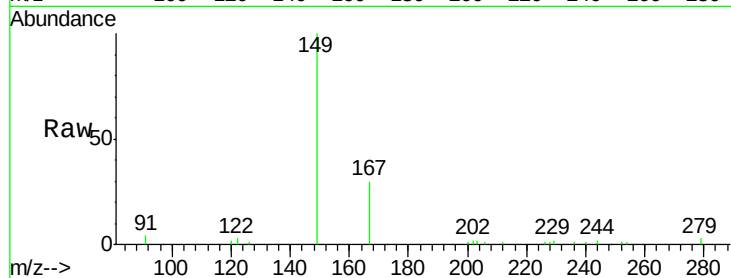
ClientSampleId :

PST-008-SW123-061819

Tgt Ion:	149	Resp:	46198
Ion Ratio	Lower	Upper	
149	100		
167	28.5	22.9	34.3
279	4.2	3.3	4.9

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.435 ng

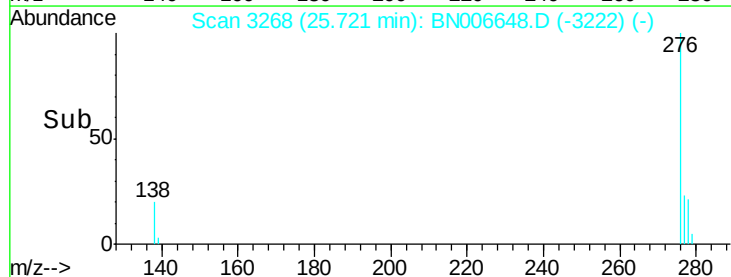
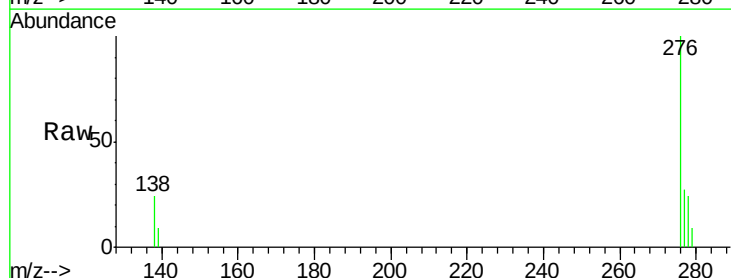
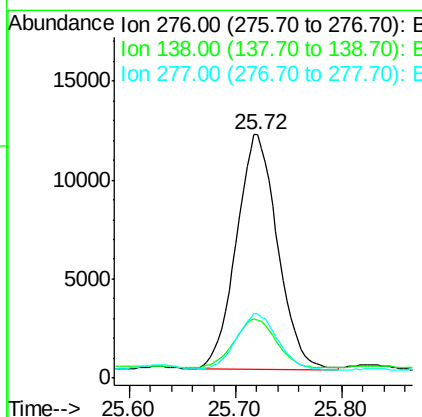
RT: 25.72 min Scan# 3268

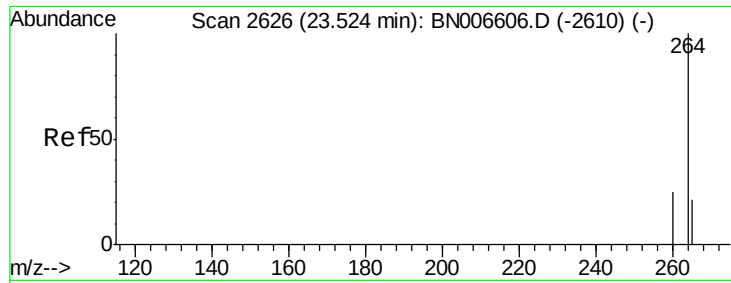
Delta R.T. -0.04 min

Lab File: BN006648.D

Acq: 29 Jun 2019 11:59

Tgt Ion:	276	Resp:	31946
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.3	28.9
277	24.0	19.9	29.9





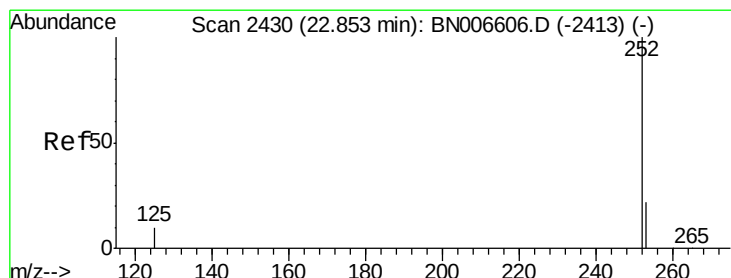
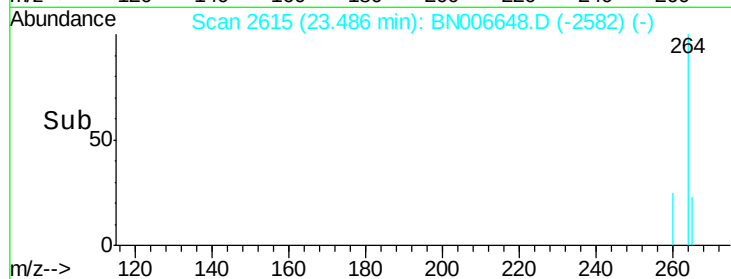
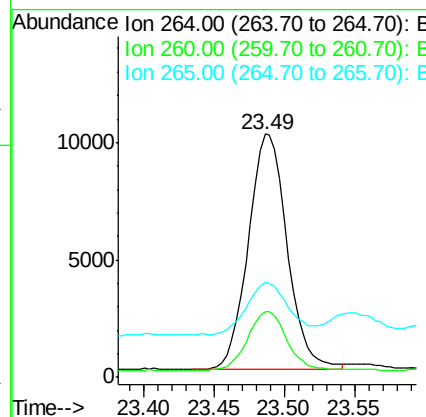
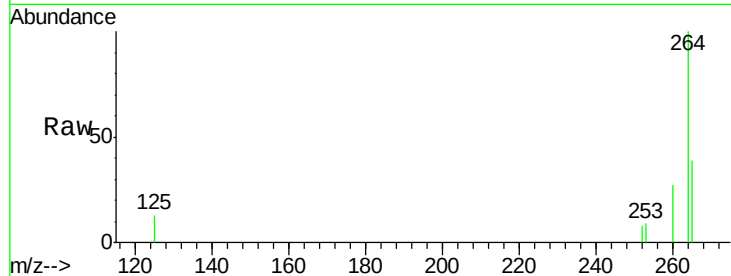
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.49 min Scan# 2615
 Delta R.T. -0.04 min
 Lab File: BN006648.D
 Acq: 29 Jun 2019 11:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW123-061819

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	19350		
260	27.2	20.2	30.2	
265	39.0	23.3	34.9#	

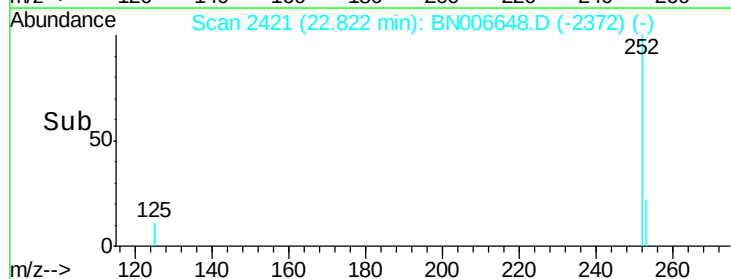
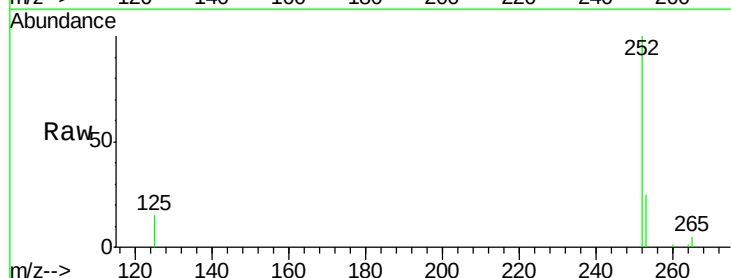
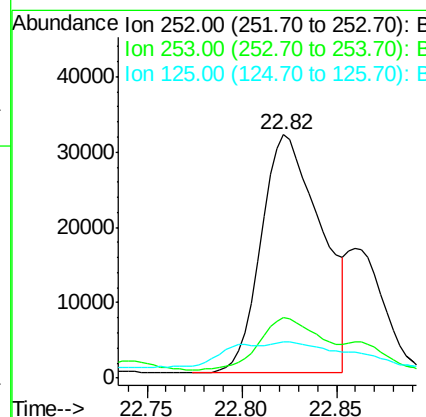
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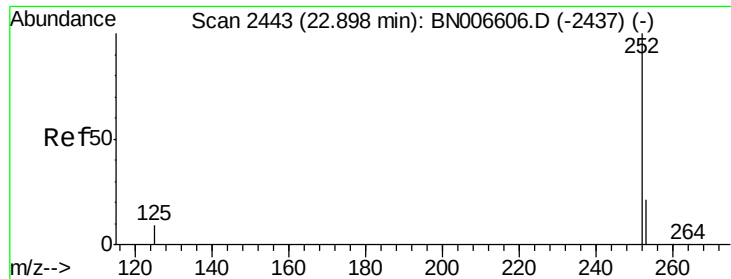
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#35
Benzo(b)fluoranthene
 Concen: 1.060 ng
 RT: 22.82 min Scan# 2421
 Delta R.T. -0.03 min
 Lab File: BN006648.D
 Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	69773		
253	24.8	18.4	27.6	
125	15.0	8.7	13.1#	





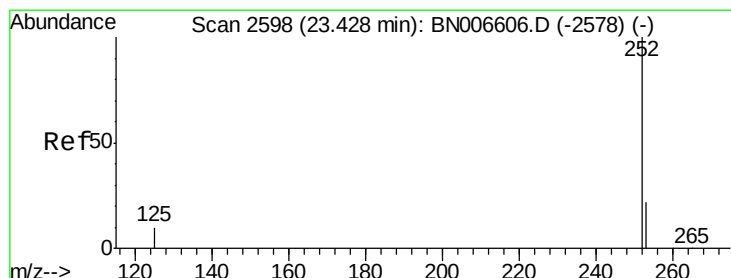
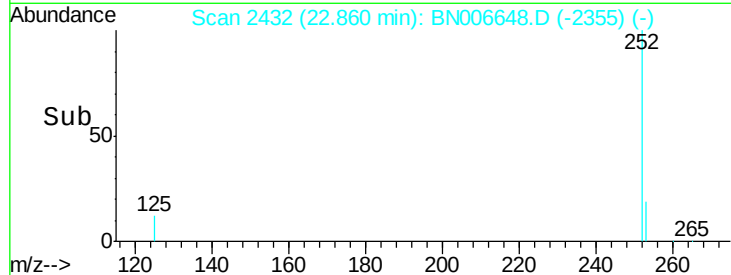
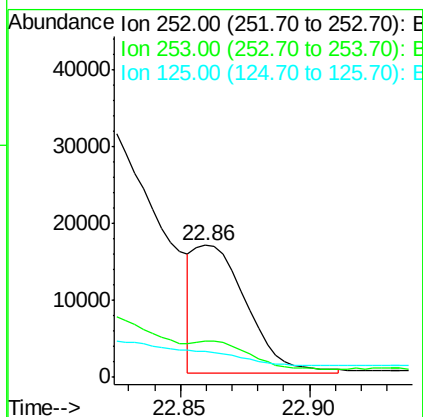
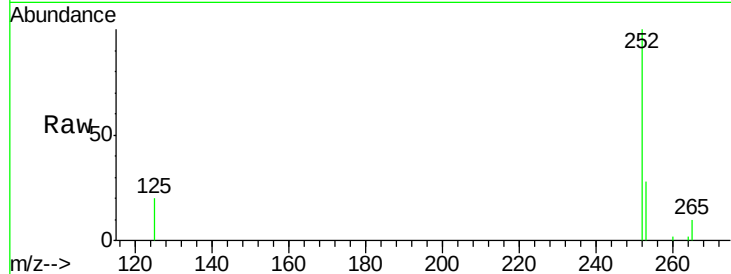
#36
Benzo(k)fluoranthene
Concen: 0.332 ng m
RT: 22.86 min Scan# 2432
Delta R.T. -0.04 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.3	27.5#
125	20.1	8.4	12.6#

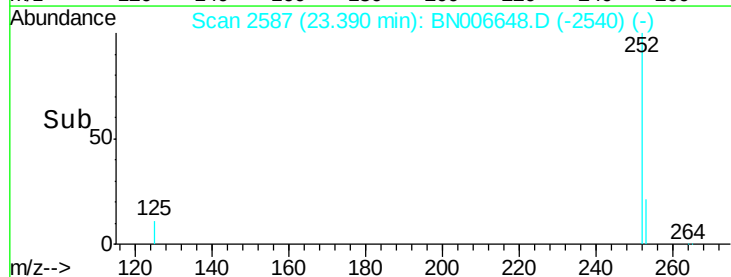
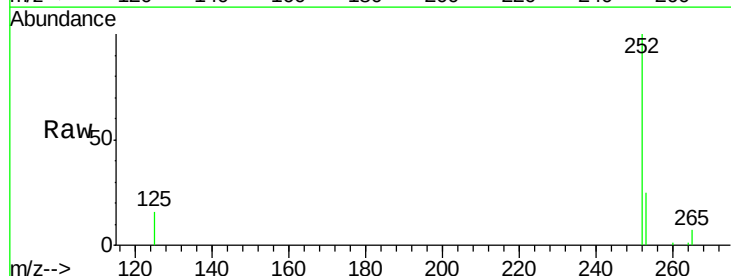
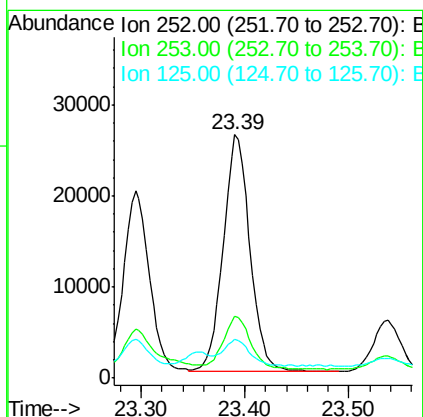
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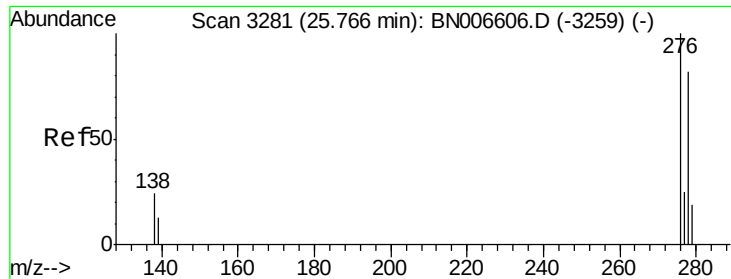
mohammad
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#37
Benzo(a)pyrene
Concen: 0.756 ng
RT: 23.39 min Scan# 2587
Delta R.T. -0.04 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.8	28.2
125	15.8	9.4	14.2#





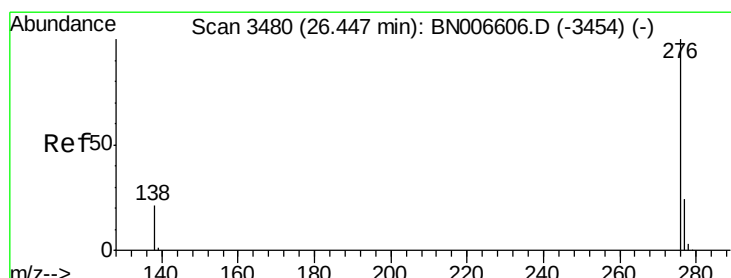
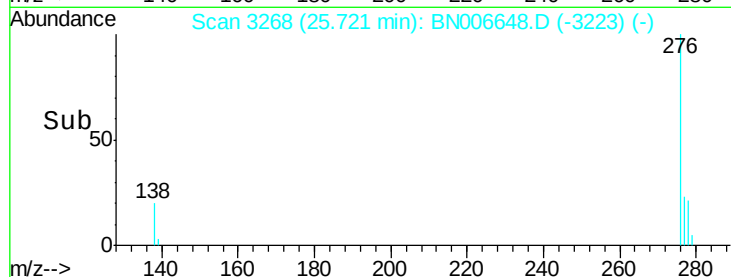
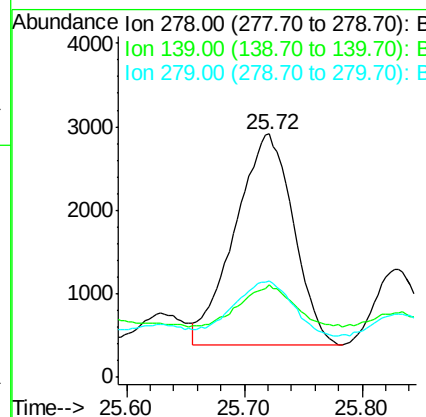
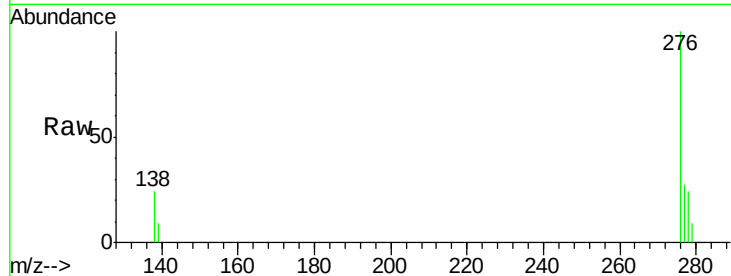
#38
Dibenzo(a,h)anthracene
Concen: 0.162 ng
RT: 25.72 min Scan# 3268
Delta R.T. -0.04 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Instrument :
BNA_N
ClientSampleId :
PST-008-SW123-061819

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.8	13.5	20.3#
279	39.8	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/1/2019 3:09:09 PM



#39
Benzo(g,h,i)perylene
Concen: 0.594 ng
RT: 26.41 min Scan# 3468
Delta R.T. -0.04 min
Lab File: BN006648.D
Acq: 29 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.6	29.4
138	25.6	17.7	26.5

