

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006621.D
 Acq On : 28 Jun 2019 19:52
 Operator : HP/JU
 Sample : K3446-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW122-061819

Manual Integrations
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 7/1/2019 3:08:39 PM

Quant Time: Jun 29 01:30:29 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	7.63	152	3609	0.40	ng	0.00
7) Naphthalene-d8	10.42	136	14122	0.40	ng	0.01
13) Acenaphthene-d10	14.28	164	9553	0.40	ng	0.00
19) Phenanthrene-d10	17.03	188	23437	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	24468	0.40	ng	-0.02
34) Perylene-d12	23.49	264	24807	0.40	ng	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	5.25	112	2736	0.31	ng	0.00
5) Phenol-d6	6.82	99	4183	0.36	ng	0.00
8) Nitrobenzene-d5	8.82	82	2776	0.29	ng	0.03
11) 2-Methylnaphthalene-d10	12.01	152	8323	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	1190	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.90	172	11437	0.32	ng	0.00
25) Fluoranthene-d10	19.07	212	26097	0.38	ng	0.00
29) Terphenyl-d14	19.68	244	17578	0.34	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.45	128	2356	0.063	ng	# 87
12) 2-Methylnaphthalene	12.09	142	842	0.033	ng	# 92
16) Acenaphthylene	14.00	152	6682	0.147	ng	99
17) Acenaphthene	14.33	154	1914	0.064	ng	99
18) Fluorene	15.34	166	2250	0.059	ng	# 95
23) Phenanthrene	17.07	178	70506	1.058	ng	100
24) Anthracene	17.17	178	11474	0.198	ng	99
26) Fluoranthene	19.10	202	166584	2.057	ng	99
28) Pyrene	19.47	202	171459	2.003	ng	97
30) Benzo(a)anthracene	21.24	228	106043	1.326	ng	98
31) Chrysene	21.29	228	105855	1.227	ng	98
32) Bis(2-ethylhexyl)phthalate	21.16	149	8904	0.221	ng	99
33) Indeno(1,2,3-cd)pyrene	25.71	276	49061	0.562	ng	95
35) Benzo(b)fluoranthene	22.82	252	127816	1.515	ng	100
36) Benzo(k)fluoranthene	22.86	252	43804m	0.487	ng	
37) Benzo(a)pyrene	23.39	252	86889	1.101	ng	99
38) Dibenzo(a,h)anthracene	25.71	278	12732	0.185	ng	# 91
39) Benzo(g,h,i)perylene	26.40	276	47072	0.684	ng	100

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

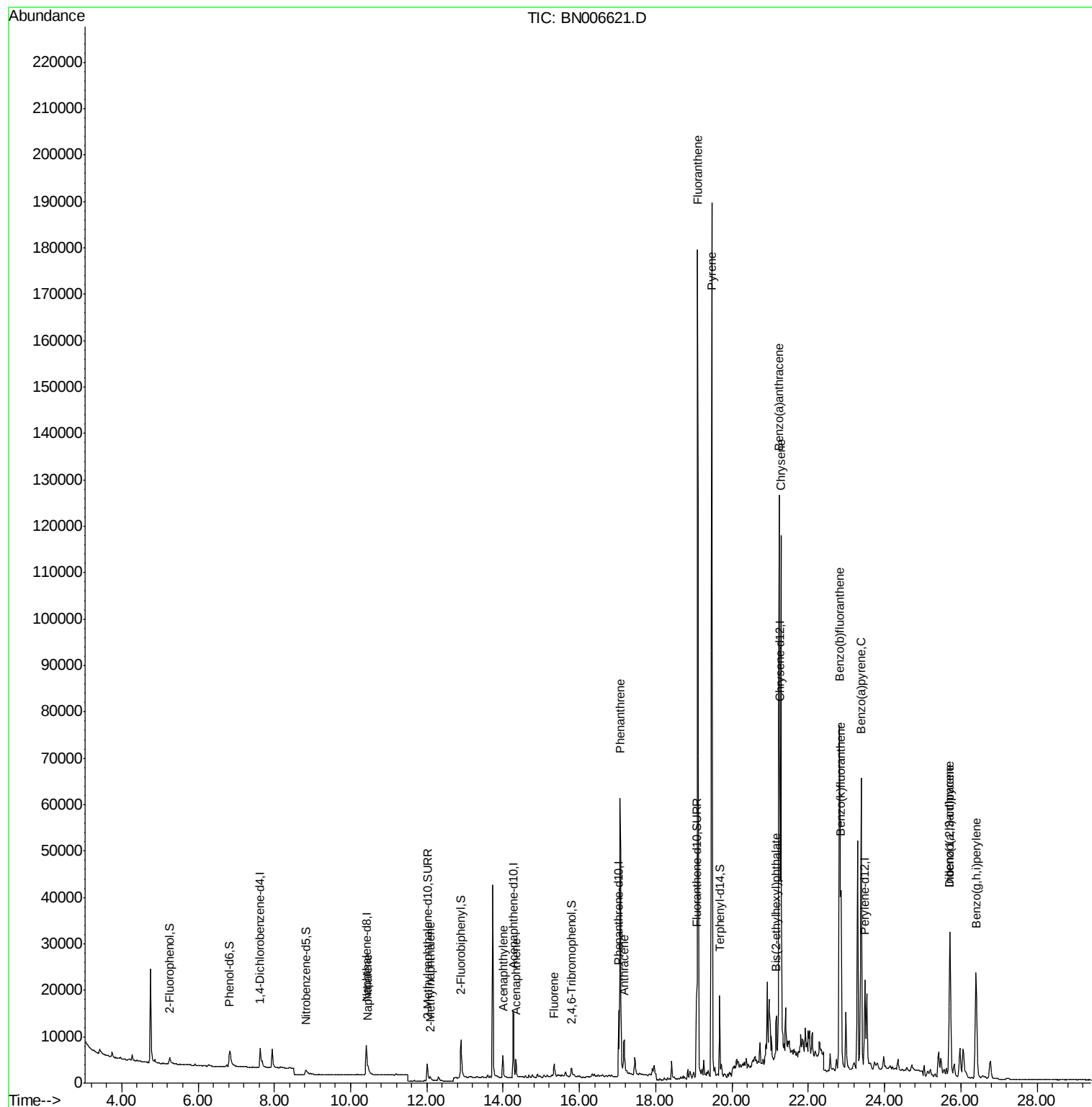
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006621.D
Acq On : 28 Jun 2019 19:52
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Misc :
ALS Vial : 3 Sample Multiplier: 1

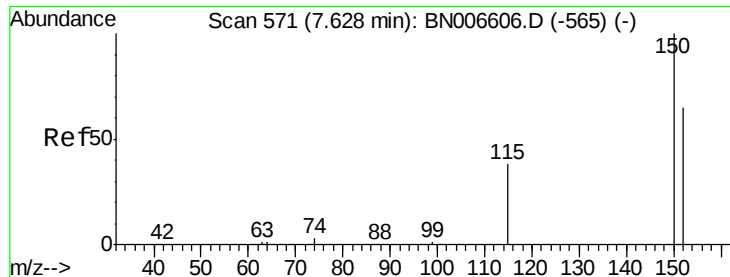
Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

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Quant Time: Jun 29 01:30:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
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#1

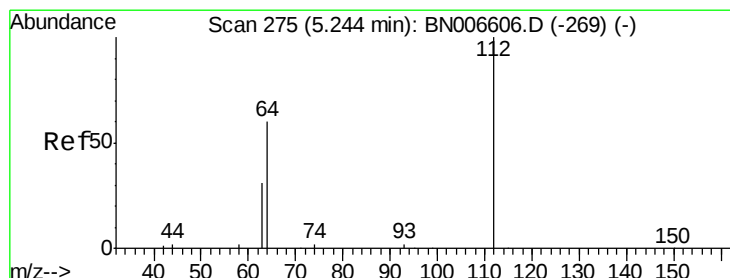
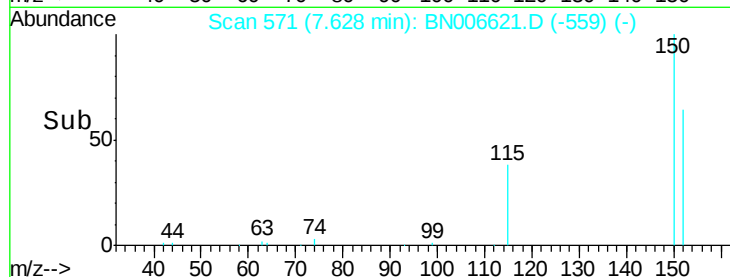
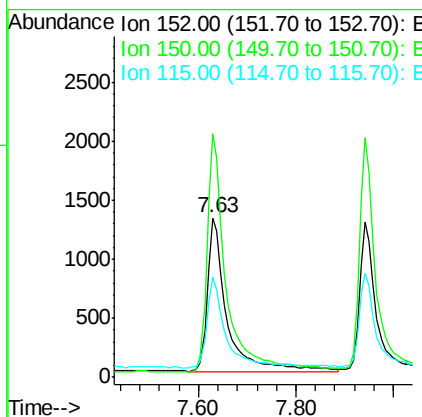
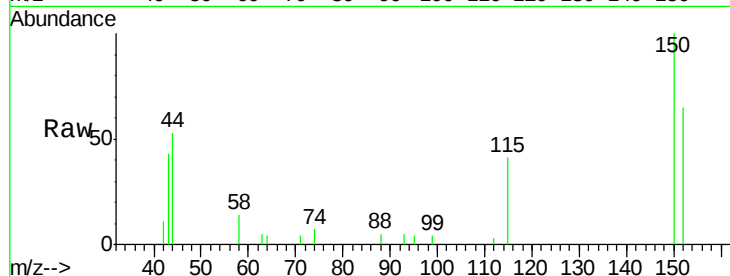
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 571
Delta R.T. 0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.2
115	62.5	50.0	75.0

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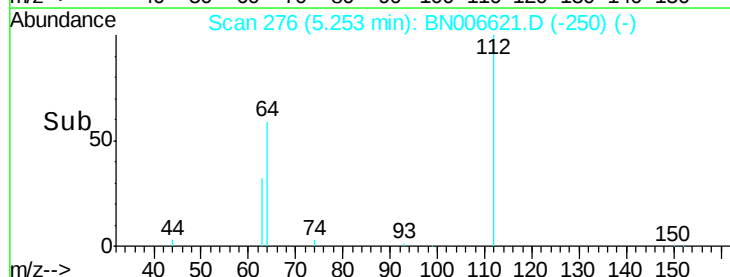
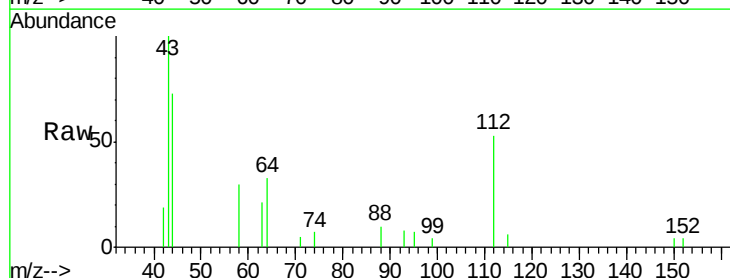
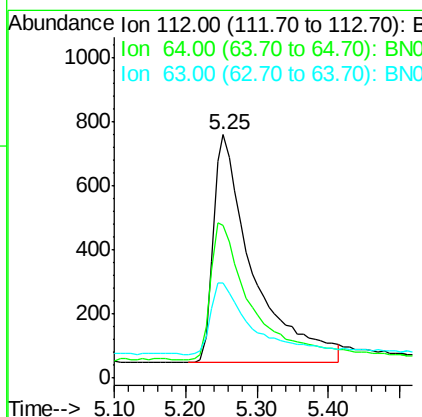
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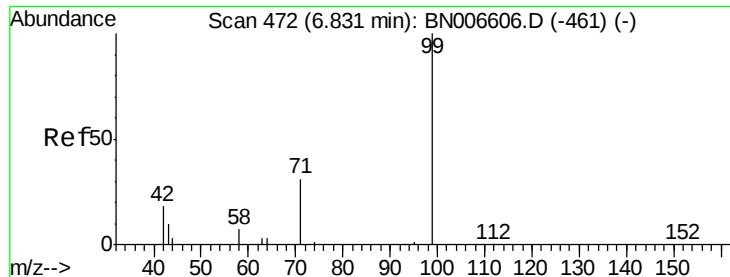


#4

2-Fluorophenol
Concen: 0.309 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.01 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	48.9	73.3
63	33.1	24.3	36.5





#5

Phenol-d6

Concen: 0.357 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006621.D

Acq: 28 Jun 2019 19:52

Instrument :

BNA_N

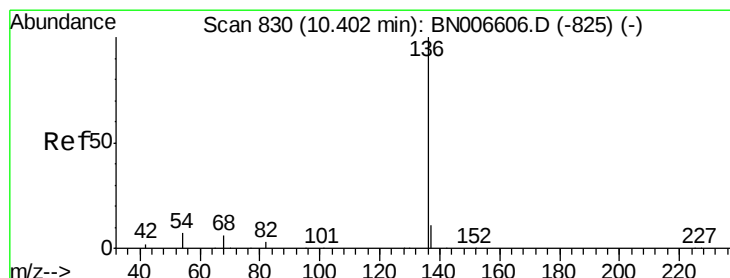
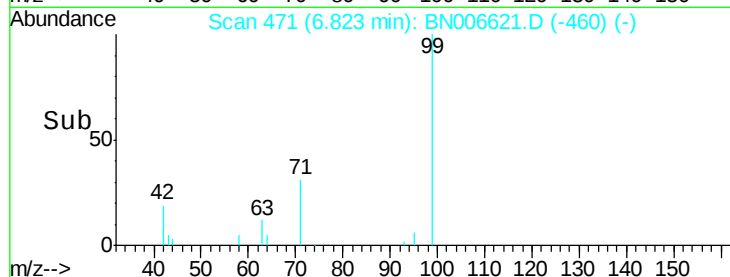
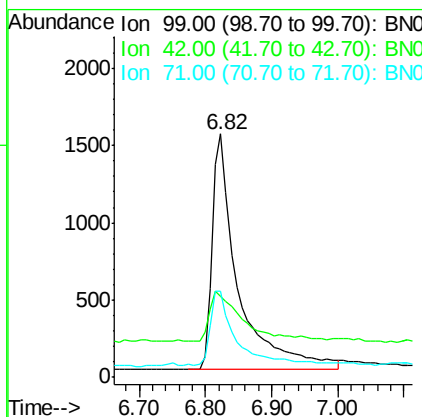
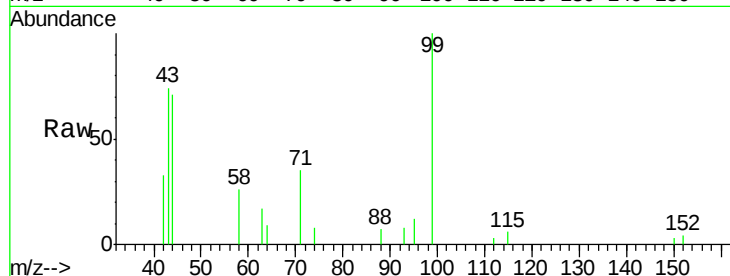
ClientSampleId :

PST-008-SW122-061819

Tgt Ion:	99	Resp:	4183
Ion Ratio	Lower	Upper	
99	100		
42	26.3	16.4	24.6#
71	30.7	26.6	40.0

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

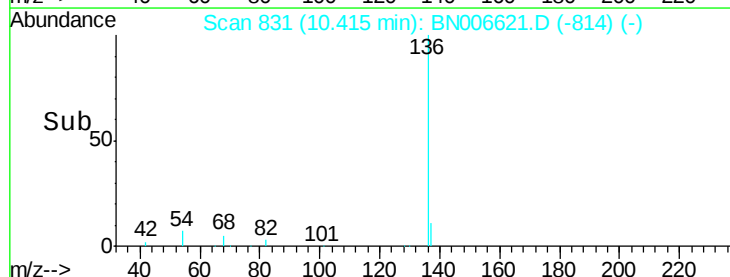
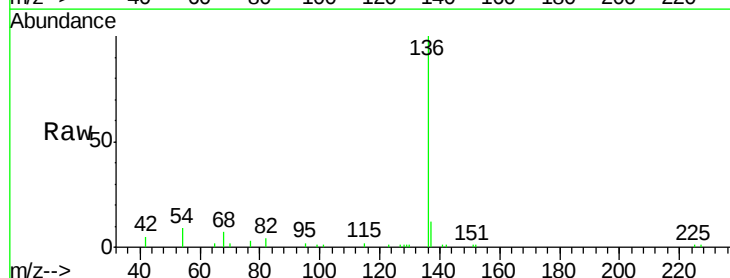
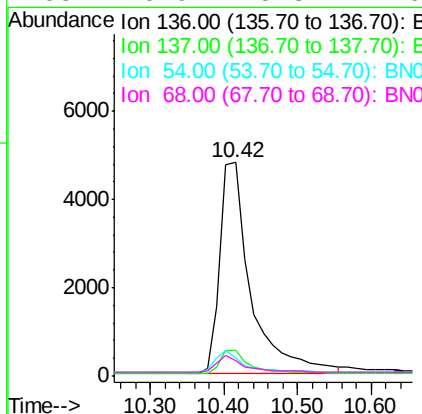
RT: 10.42 min Scan# 831

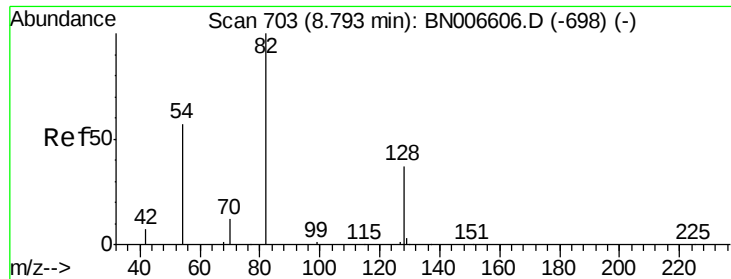
Delta R.T. 0.01 min

Lab File: BN006621.D

Acq: 28 Jun 2019 19:52

Tgt Ion:	136	Resp:	14122
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.3	13.9
54	8.7	6.7	10.1
68	6.9	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.292 ng

RT: 8.82 min Scan# 705

Delta R.T. 0.03 min

Lab File: BN006621.D

Acq: 28 Jun 2019 19:52

Instrument :

BNA_N

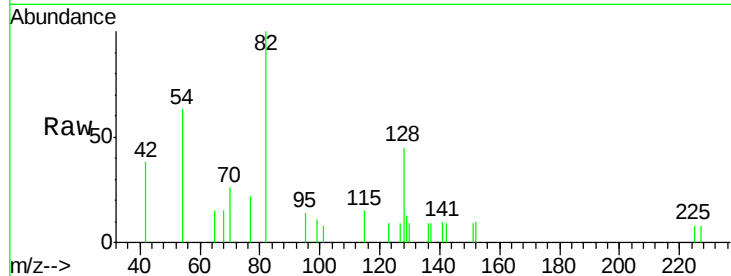
ClientSampleId :

PST-008-SW122-061819

Tgt Ion:	82	Resp:	2776
Ion Ratio	Lower	Upper	
82	100		
128	44.8	32.6	49.0
54	63.1	48.2	72.4

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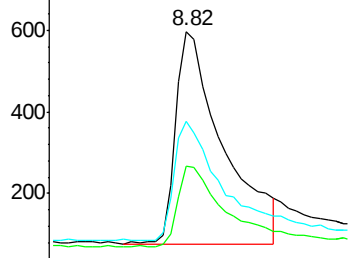
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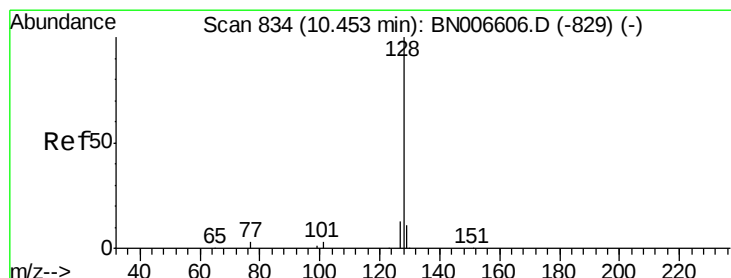
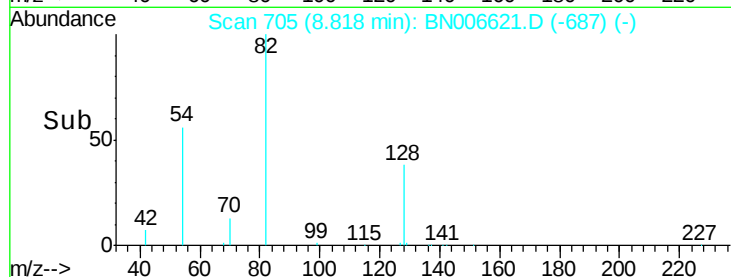
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



Time--> 8.60 8.70 8.80 8.90 9.00



#9

Naphthalene

Concen: 0.063 ng

RT: 10.45 min Scan# 834

Delta R.T. 0.00 min

Lab File: BN006621.D

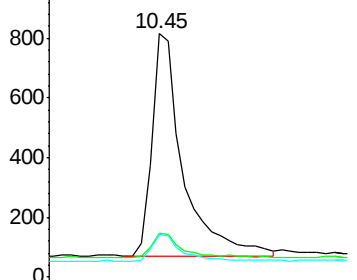
Acq: 28 Jun 2019 19:52

Tgt Ion:	128	Resp:	2356
Ion Ratio	Lower	Upper	
128	100		
129	18.0	9.3	13.9#
127	17.8	10.8	16.2#

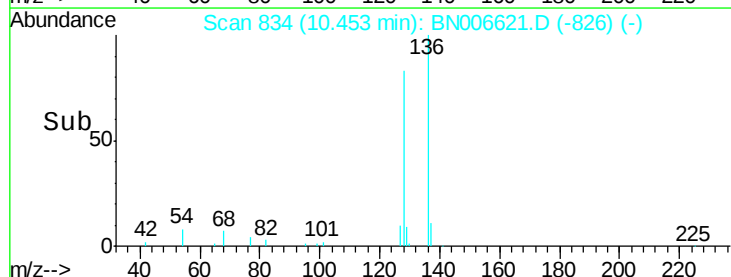
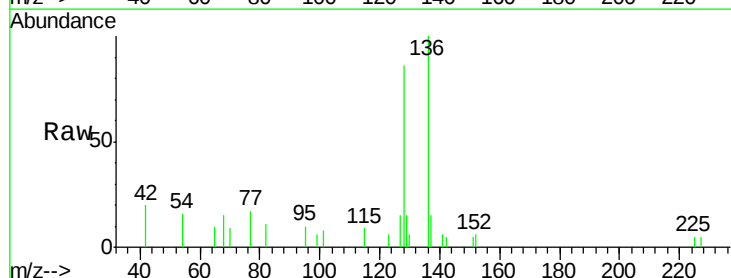
Abundance Ion 128.00 (127.70 to 128.70): BNC

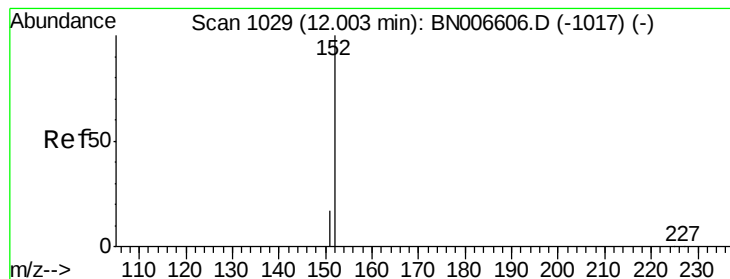
Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC



Time--> 10.30 10.40 10.50 10.60





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 12.01 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BN006621.D

Acq: 28 Jun 2019 19:52

Instrument :

BNA_N

ClientSampleId :

PST-008-SW122-061819

Tgt Ion:152 Resp: 8323

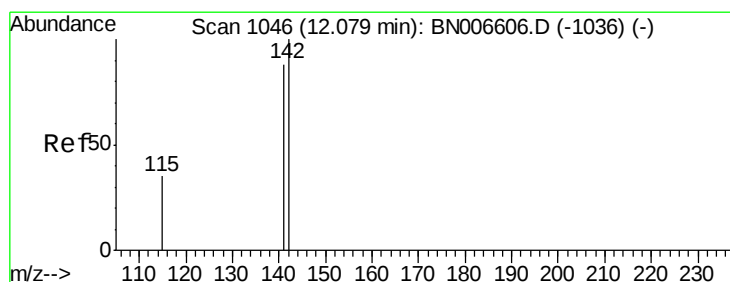
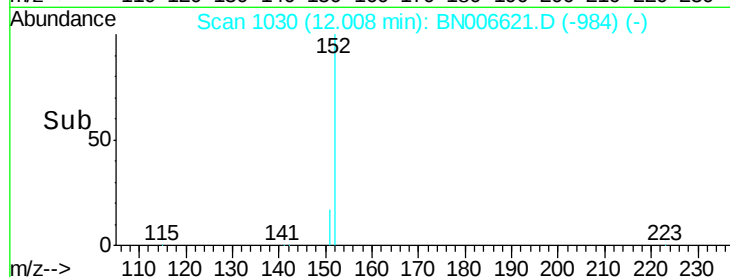
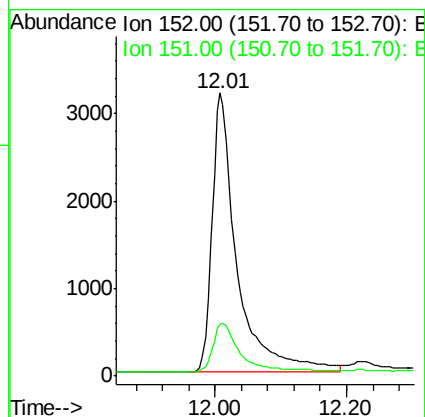
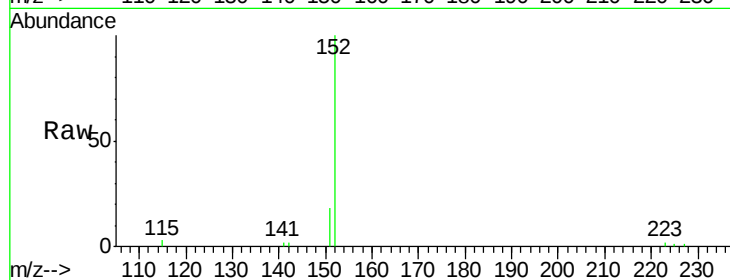
Ion Ratio Lower Upper

152 100

151 18.6 15.0 22.4

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#12

2-Methylnaphthalene

Concen: 0.033 ng

RT: 12.09 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BN006621.D

Acq: 28 Jun 2019 19:52

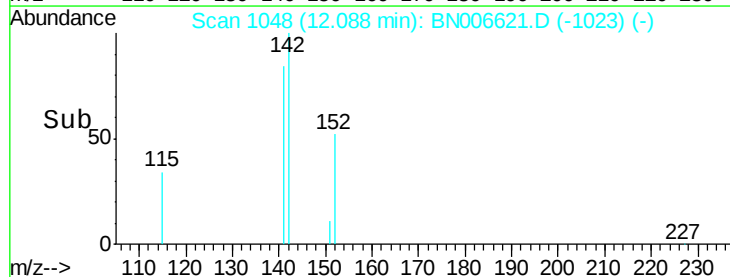
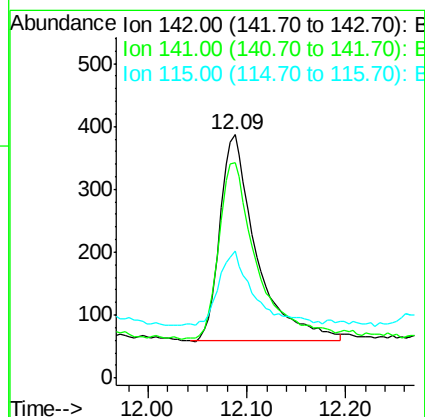
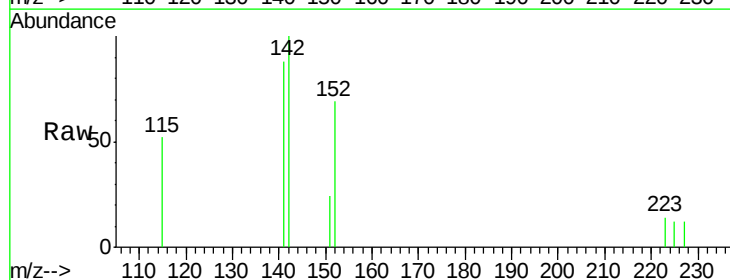
Tgt Ion:142 Resp: 842

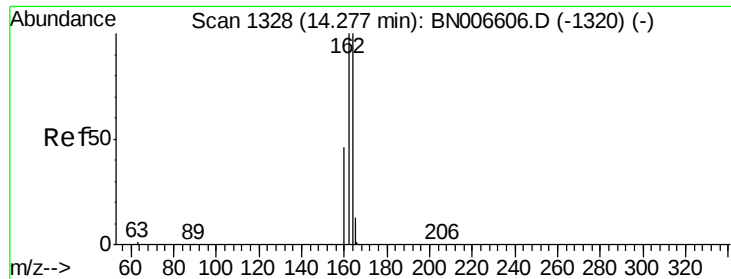
Ion Ratio Lower Upper

142 100

141 88.4 70.2 105.4

115 51.9 28.5 42.7#





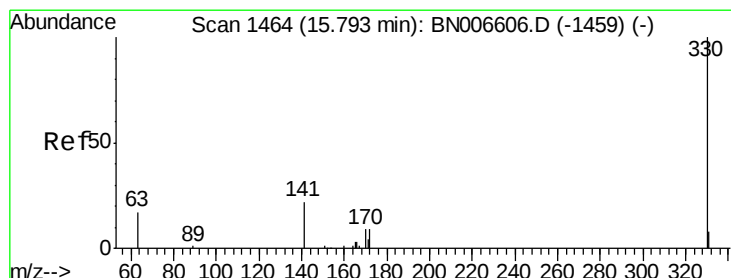
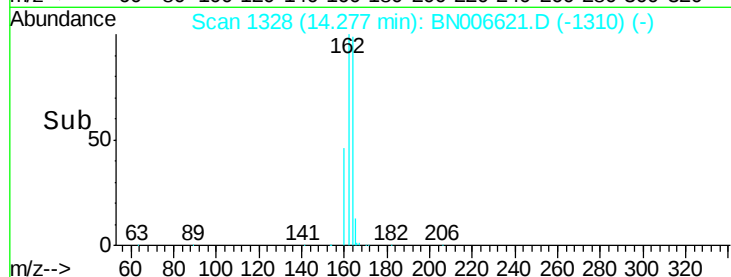
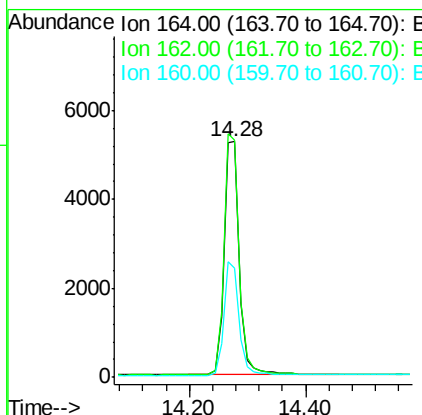
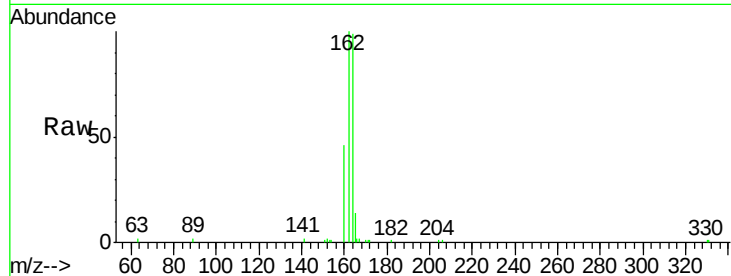
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.28 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.0	120.0
160	46.6	37.0	55.4

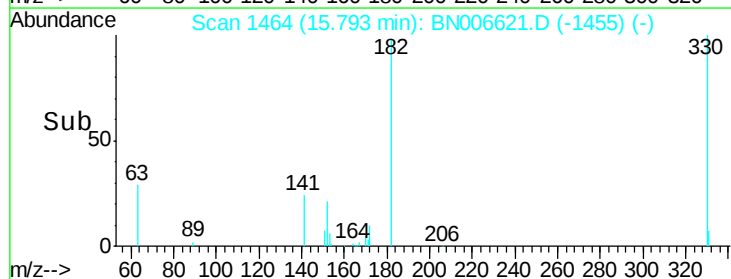
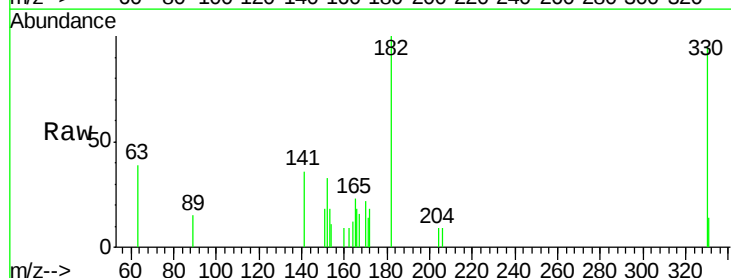
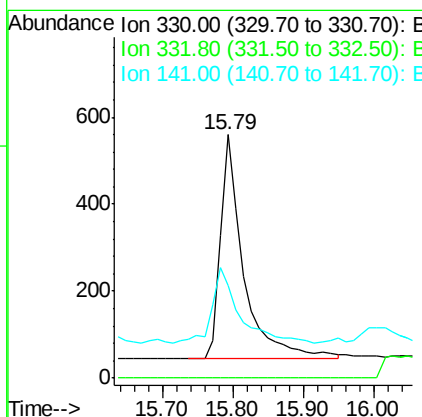
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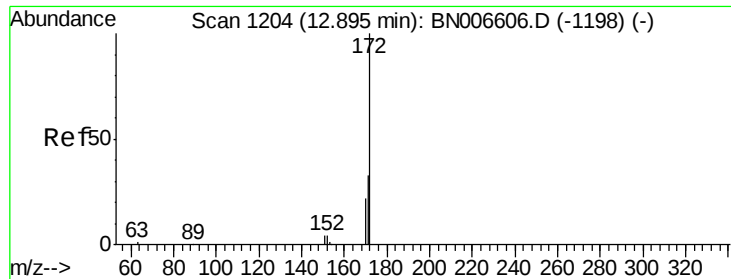
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#14
2,4,6-Tribromophenol
Concen: 0.265 ng
RT: 15.79 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.0	26.5	39.7





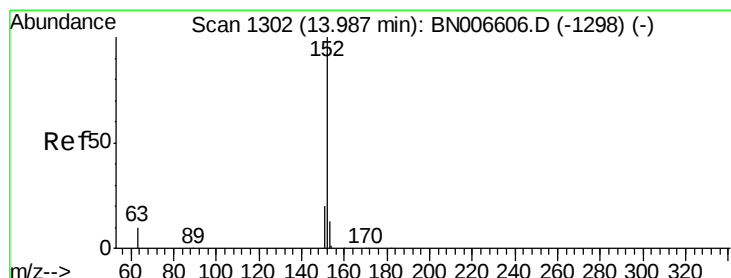
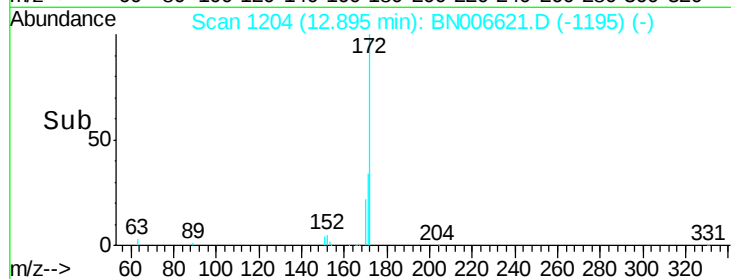
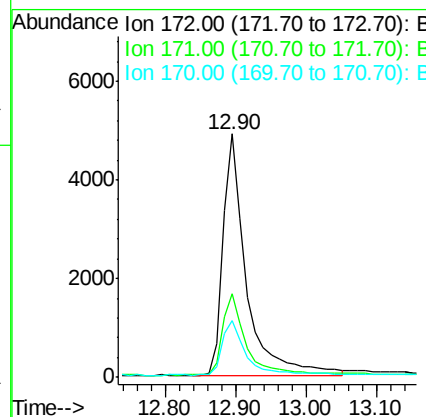
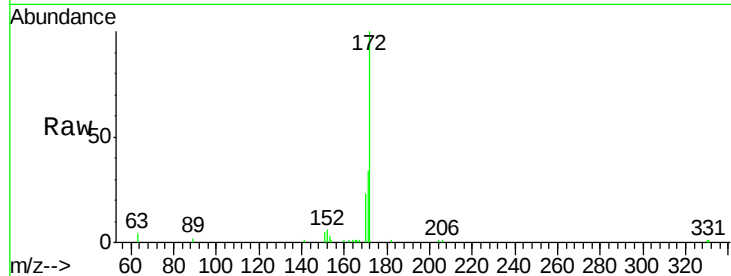
#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 12.90 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.0	40.4
170	23.1	17.7	26.5

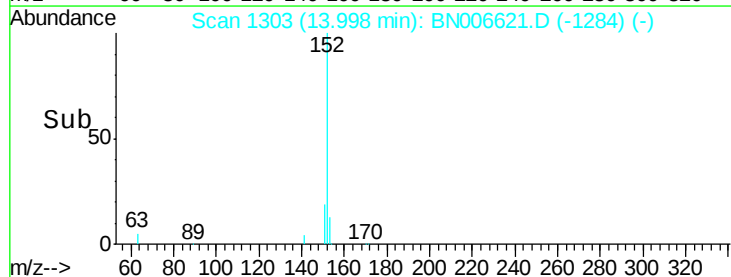
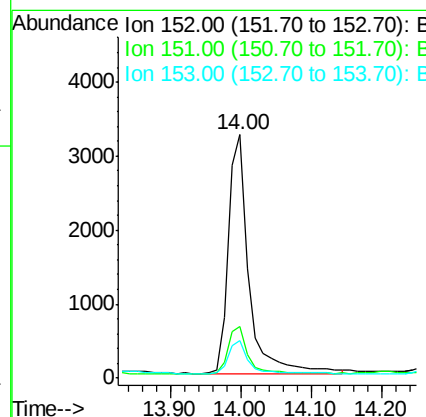
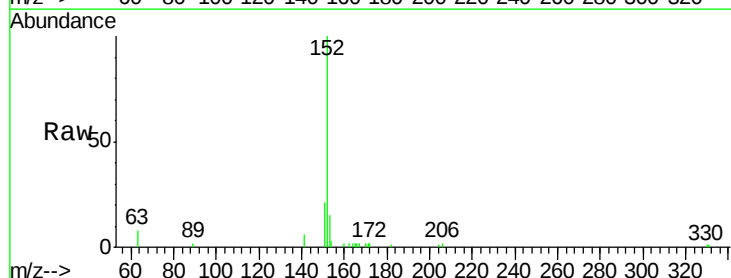
Manual Integrations
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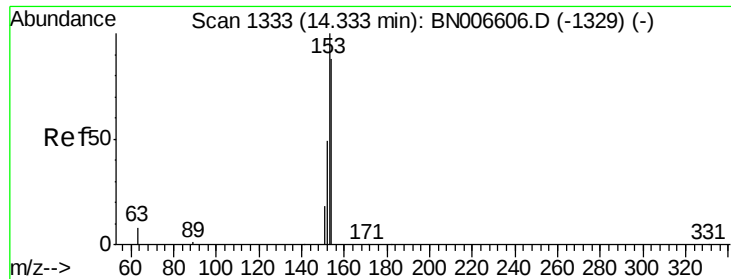
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#16
Acenaphthylene
Concen: 0.147 ng
RT: 14.00 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

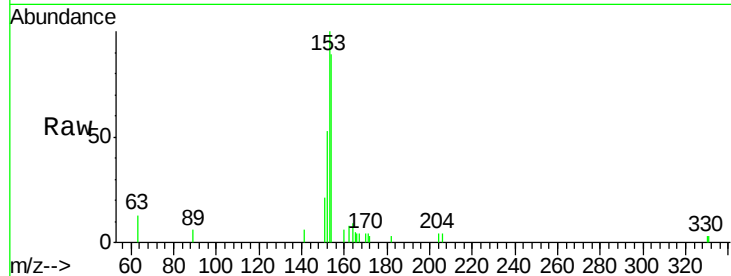
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.7	10.5	15.7





#17
Acenaphthene
Concen: 0.064 ng
RT: 14.33 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

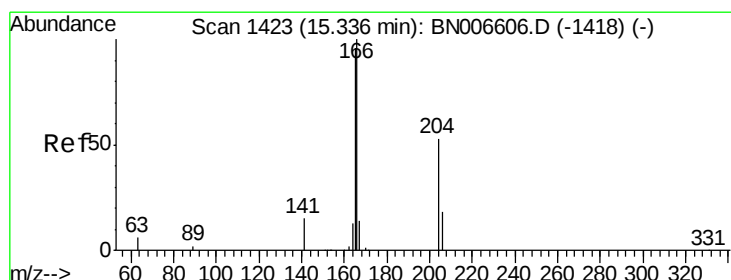
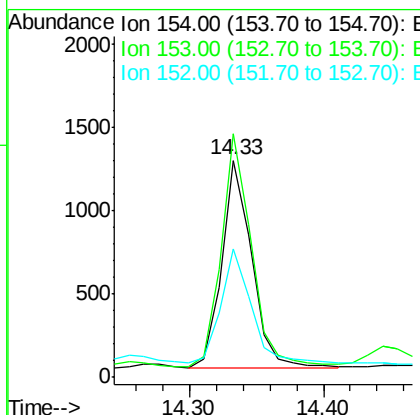
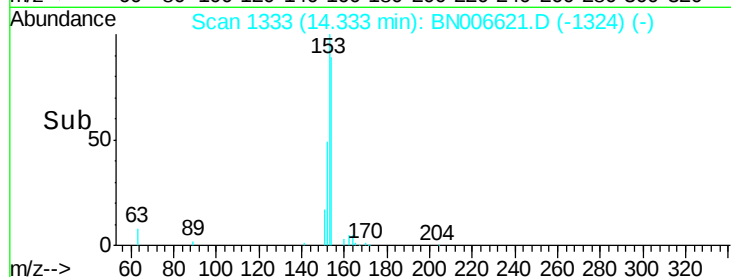
Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819



Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.2	135.4
152	56.7	44.2	66.4

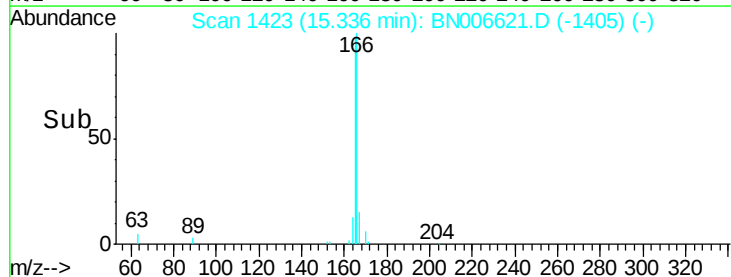
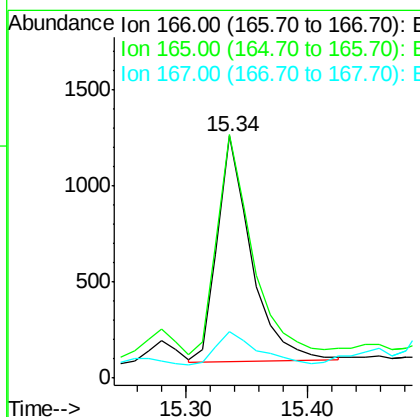
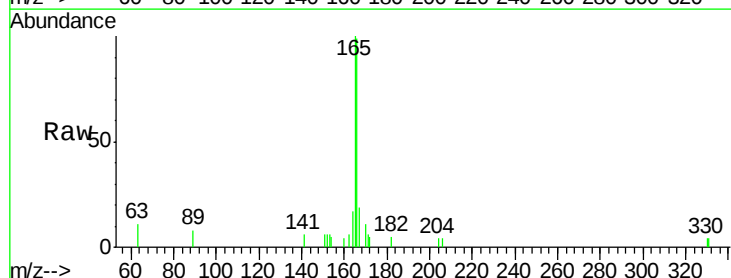
Manual Integrations
APPROVED

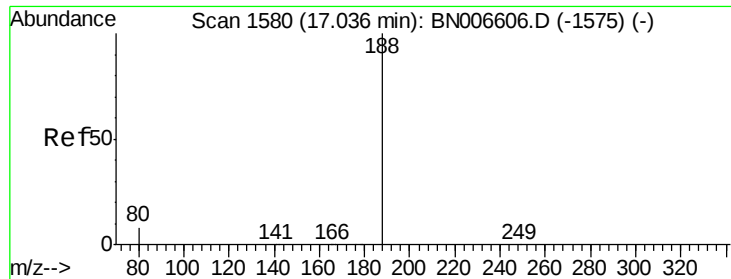
mohammad
7/1/2019 3:08:39 PM



#18
Fluorene
Concen: 0.059 ng
RT: 15.34 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.0	78.4	117.6
167	18.2	10.8	16.2#





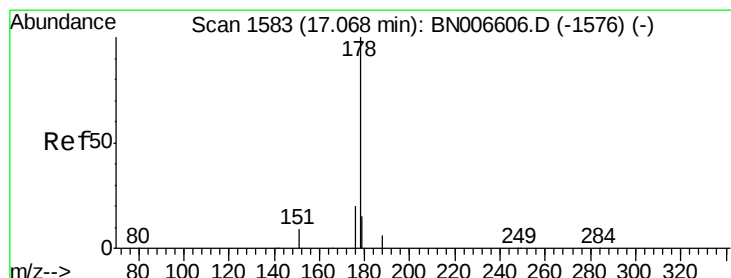
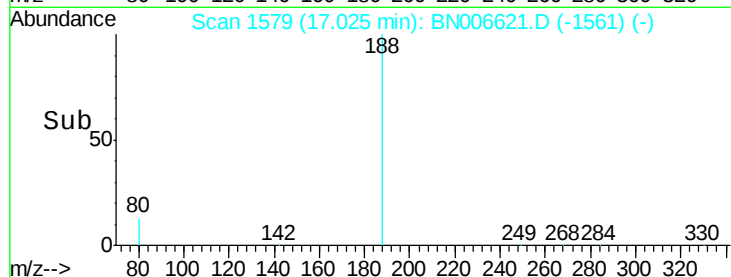
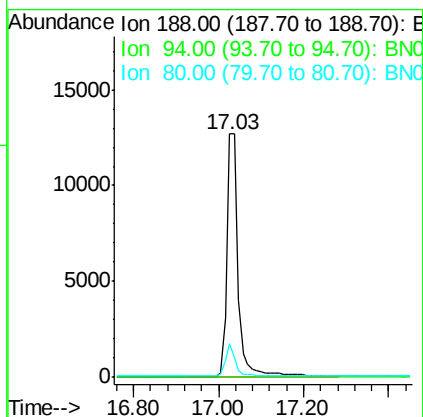
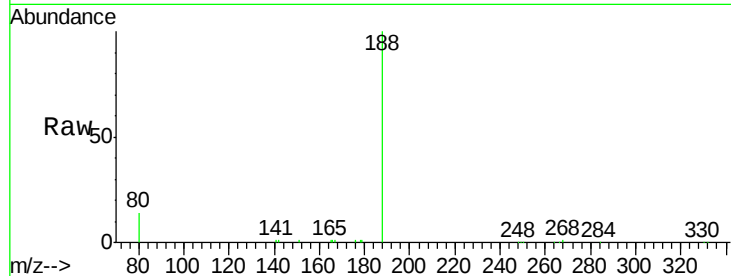
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.03 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	23437		
94	0.0	0.0	0.0	0.0
80	13.9	7.1	10.7	

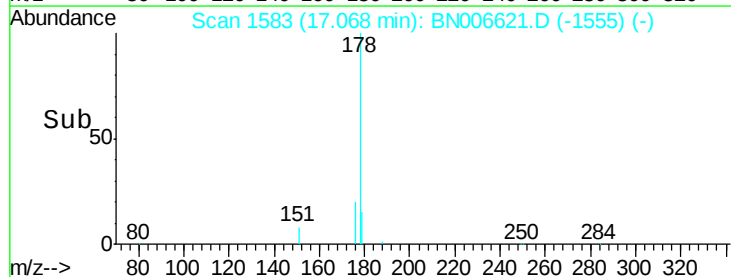
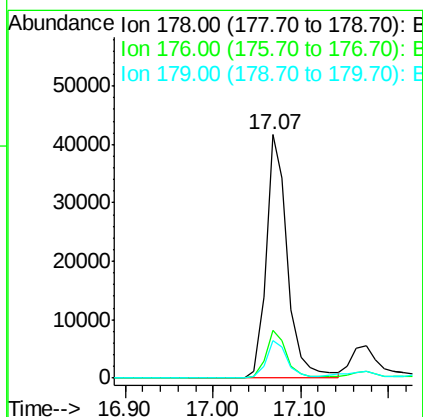
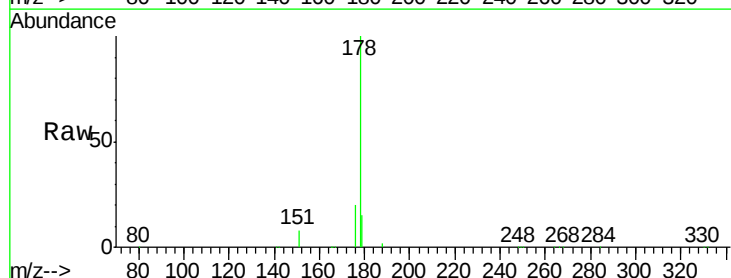
Manual Integrations
APPROVED

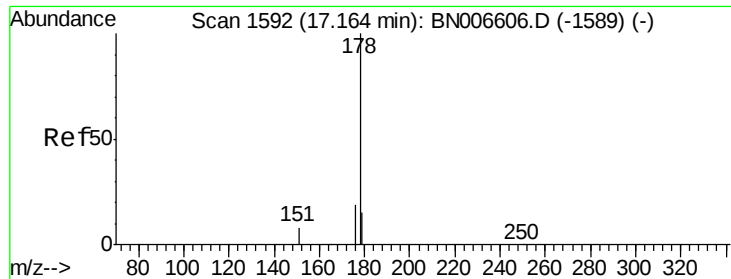
mohammad
7/1/2019 3:08:39 PM



#23
Phenanthrene
Concen: 1.058 ng
RT: 17.07 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	70506		
176	19.1	15.3	22.9	
179	15.1	12.2	18.4	





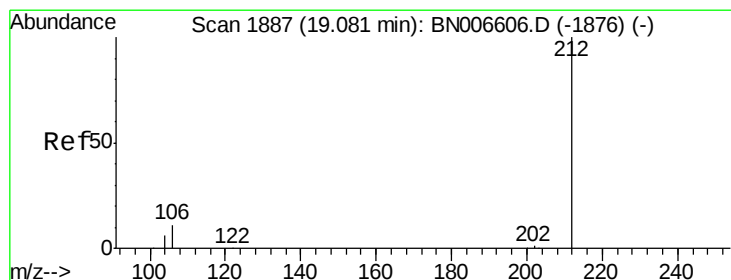
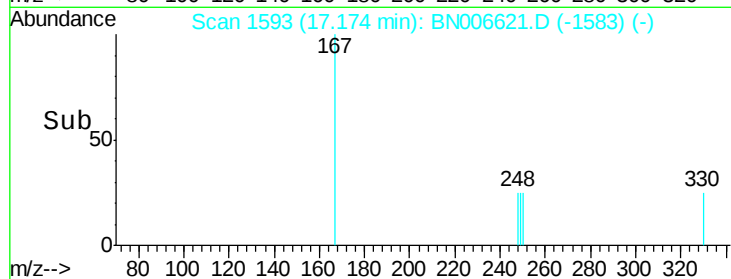
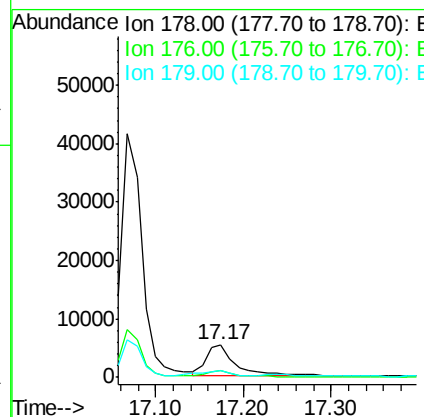
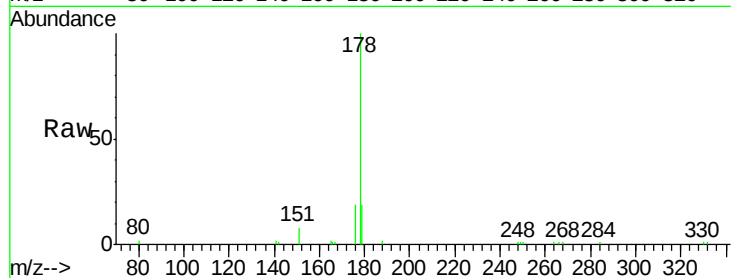
#24
 Anthracene
 Concen: 0.198 ng
 RT: 17.17 min Scan# 1593
 Delta R.T. 0.01 min
 Lab File: BN006621.D
 Acq: 28 Jun 2019 19:52

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.8	12.2	18.2

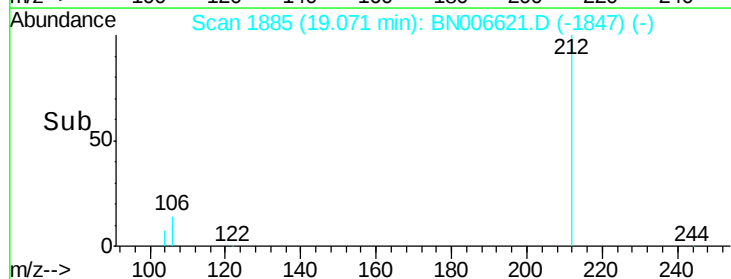
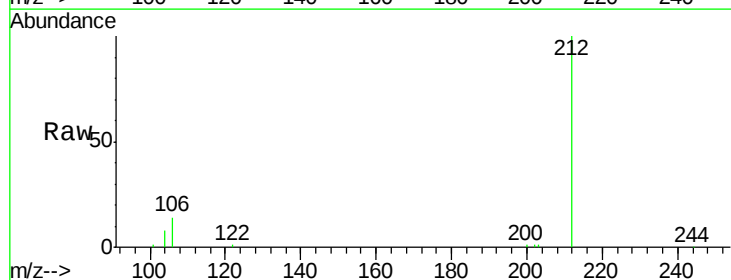
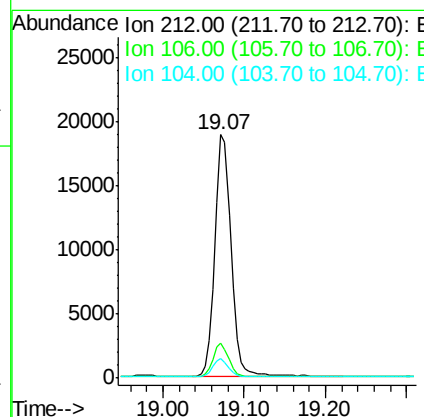
Manual Integrations
 APPROVED

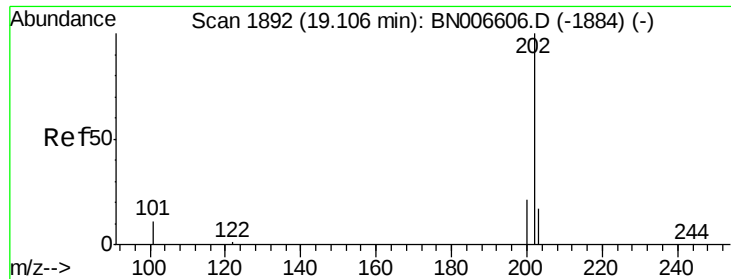
mohammad
 7/1/2019 3:08:39 PM



#25
 Fluoranthene-d10
 Concen: 0.379 ng
 RT: 19.07 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN006621.D
 Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.6	10.6	15.8
104	7.3	5.8	8.6





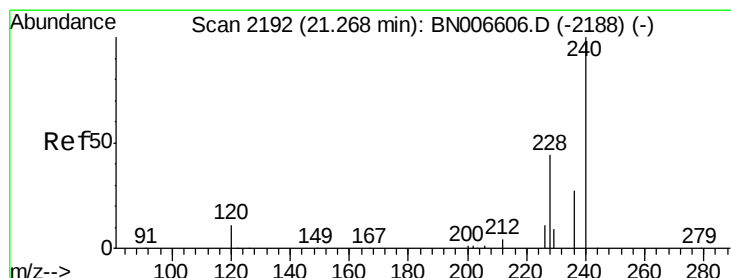
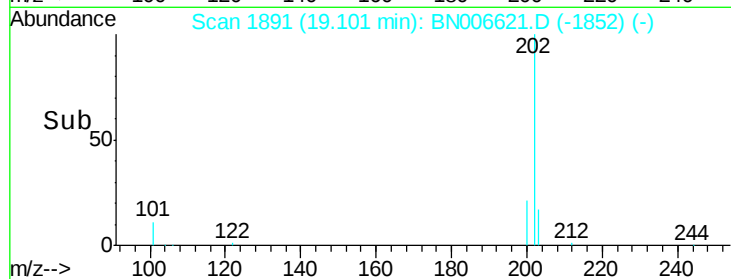
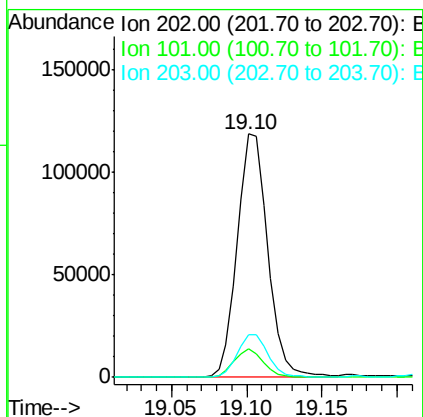
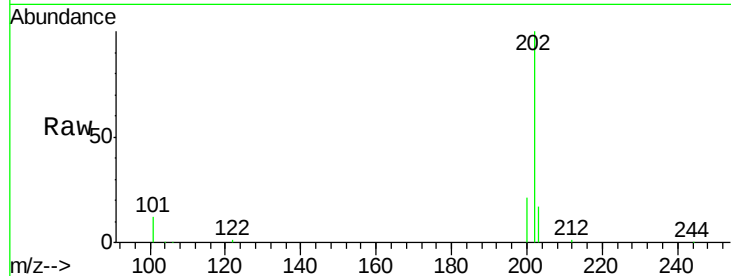
#26
Fluoranthene
Concen: 2.057 ng
RT: 19.10 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	166584		
101	11.0	8.9	13.3	
203	17.5	13.6	20.4	

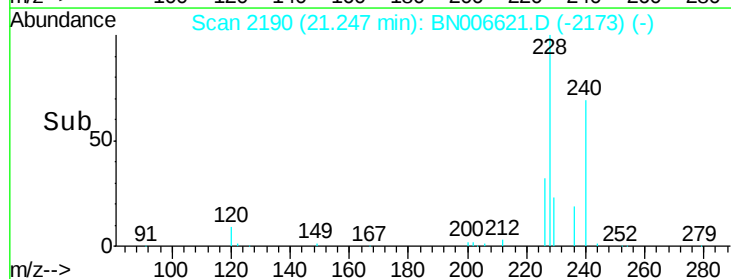
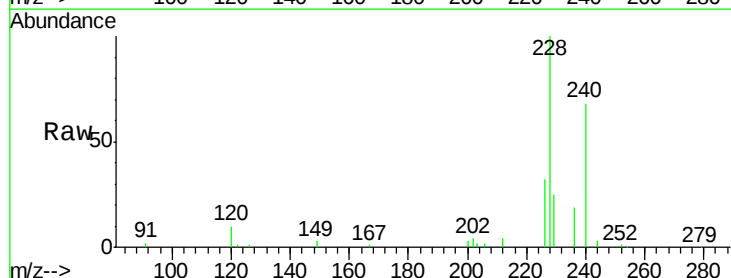
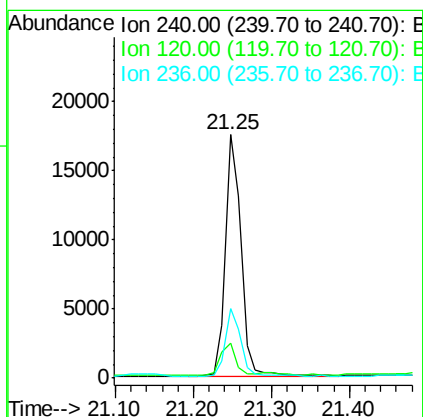
Manual Integrations
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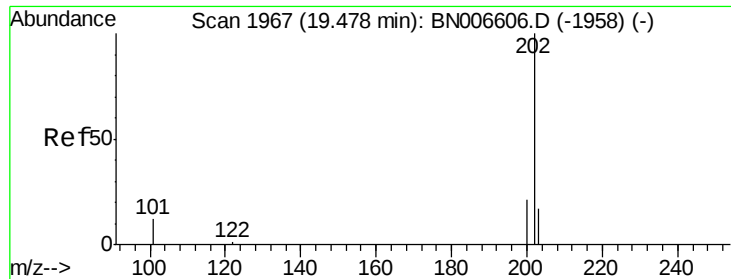
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	24468		
120	14.2	9.9	14.9	
236	28.3	22.2	33.4	





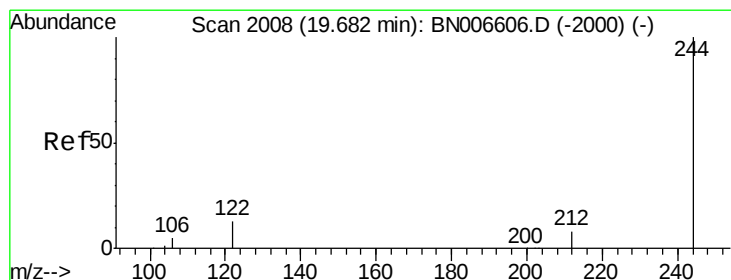
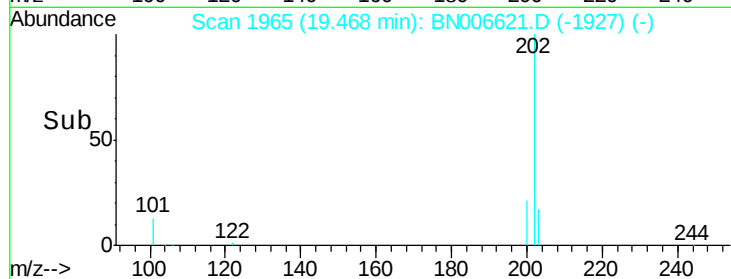
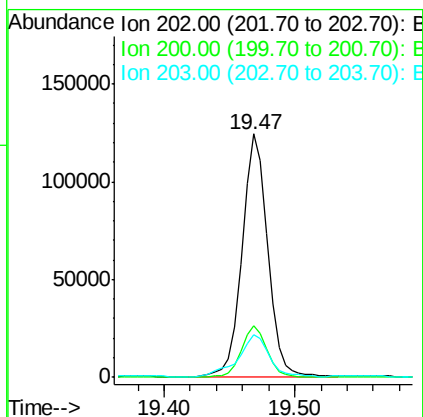
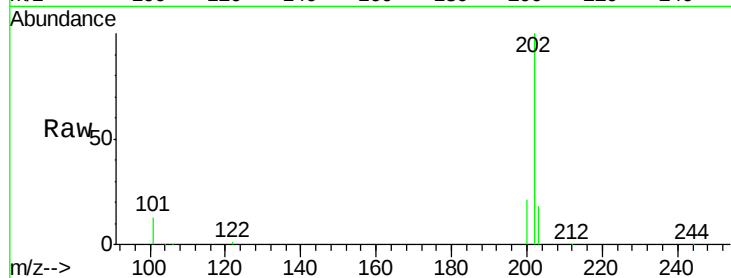
#28
Pyrene
Concen: 2.003 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	171459		
200	20.9	16.7	25.1	
203	20.8	14.1	21.1	

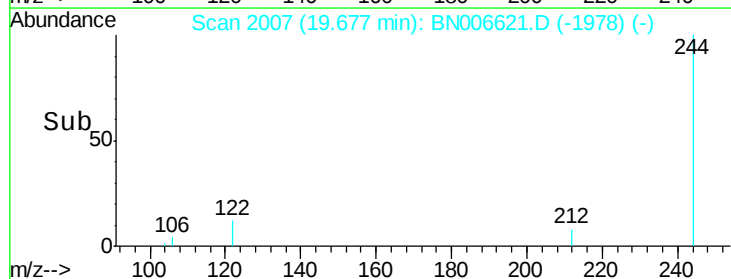
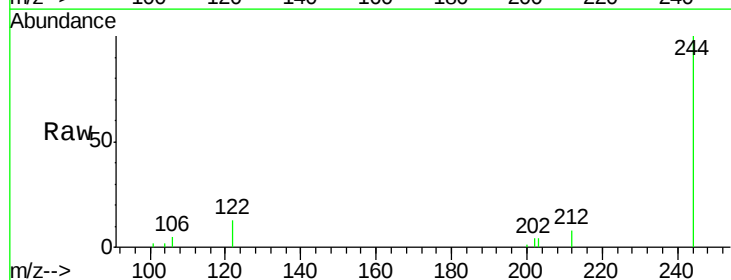
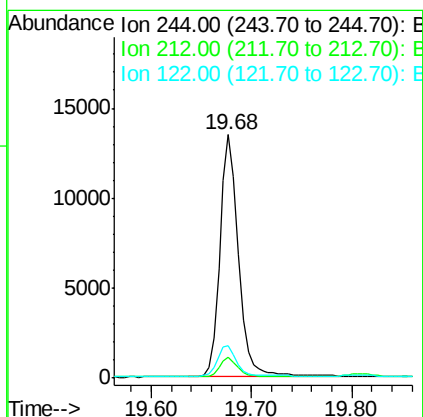
Manual Integrations
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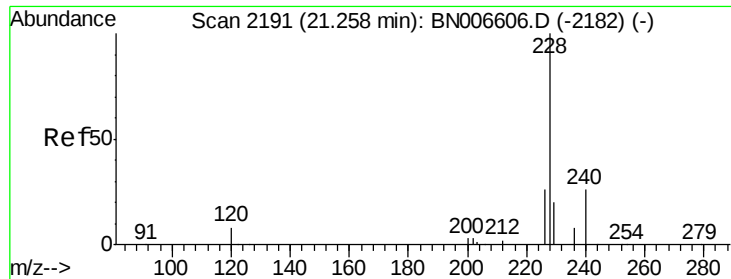
mohammad
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#29
Terphenyl-d14
Concen: 0.343 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	17578		
212	8.5	6.7	10.1	
122	13.1	11.0	16.6	





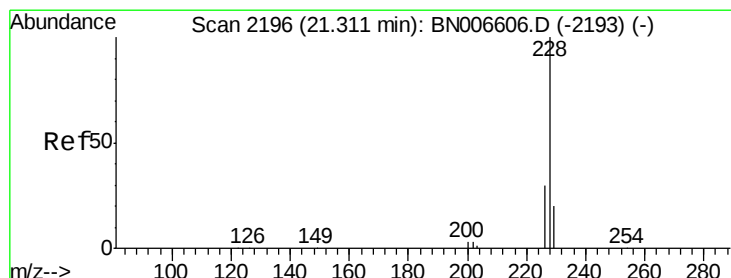
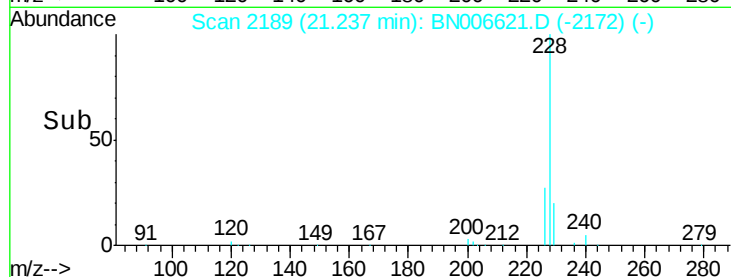
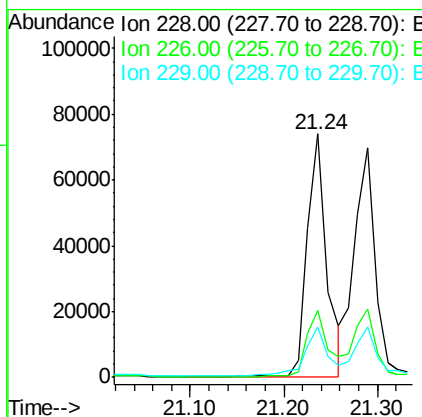
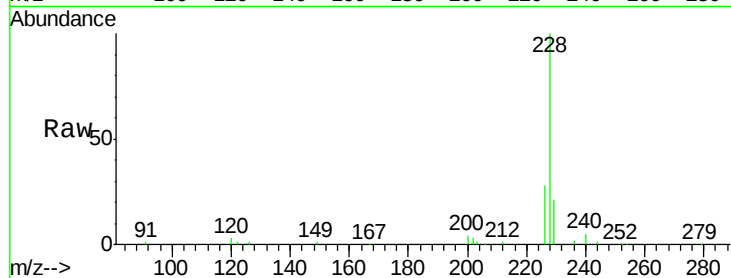
#30
Benzo(a)anthracene
Concen: 1.326 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.2	31.8
229	20.7	16.1	24.1

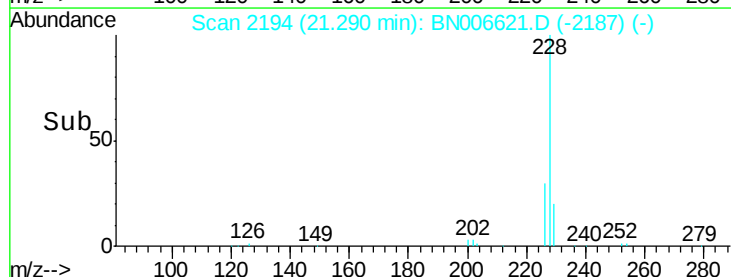
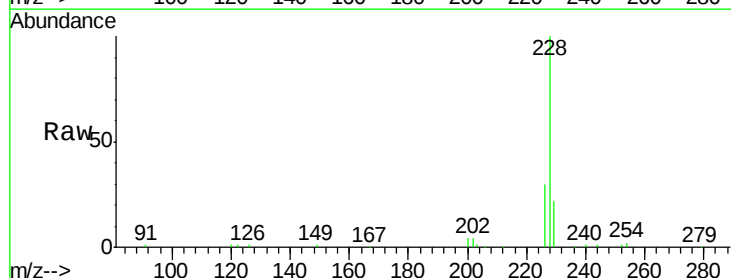
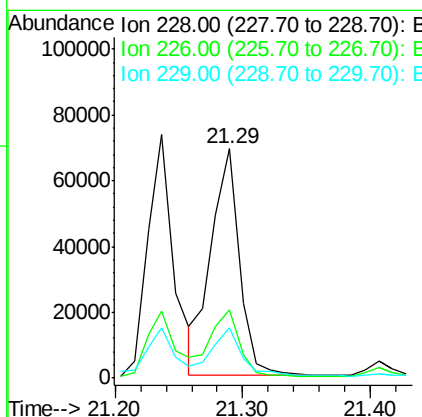
Manual Integrations
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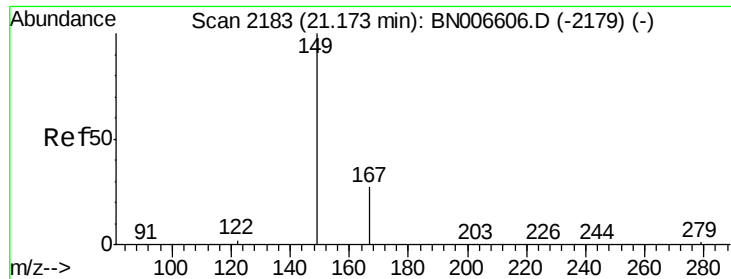
mohammad
7/1/2019 3:08:39 PM



#31
Chrysene
Concen: 1.227 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	22.0	15.9	23.9





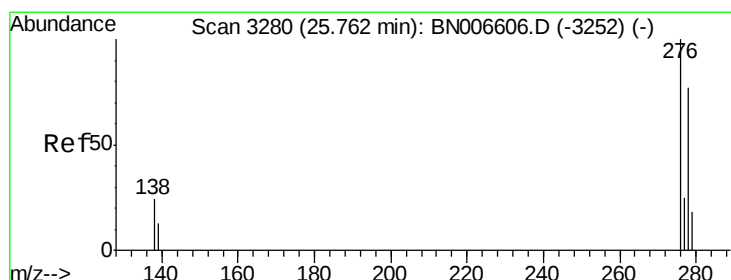
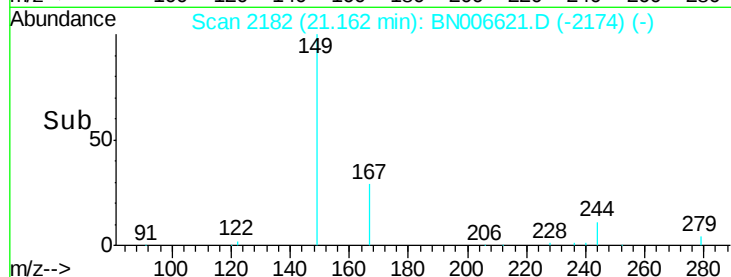
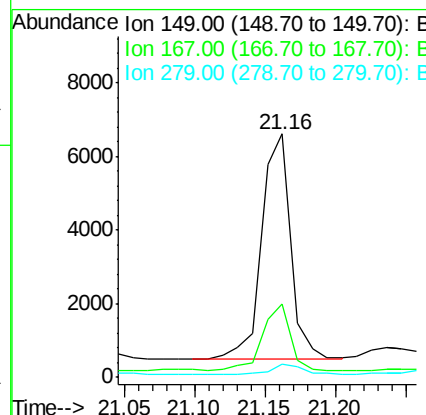
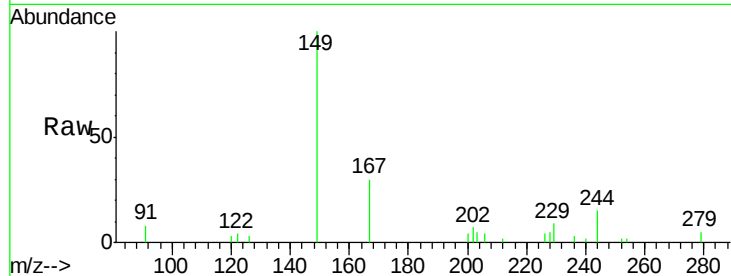
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.221 ng
RT: 21.16 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

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

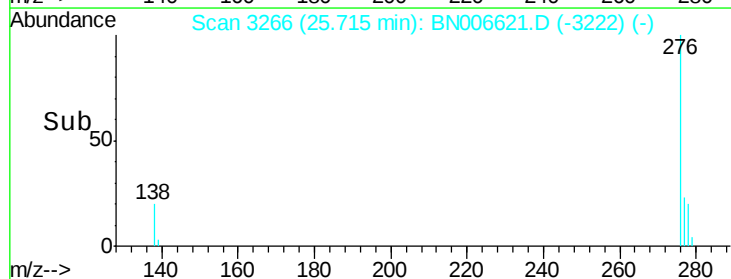
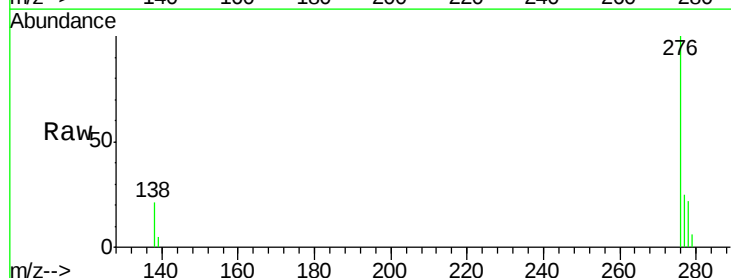
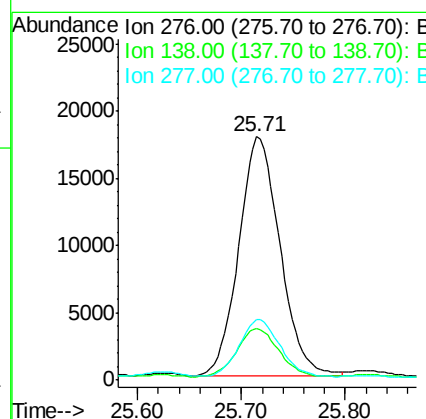
Manual Integrations
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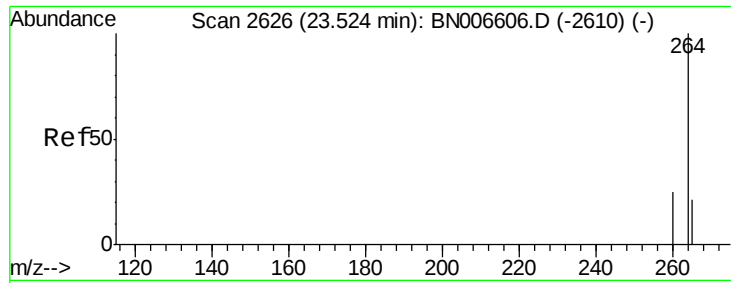
mohammad
7/1/2019 3:08:39 PM



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.562 ng
RT: 25.71 min Scan# 3266
Delta R.T. -0.05 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.3	28.9
277	23.6	19.9	29.9





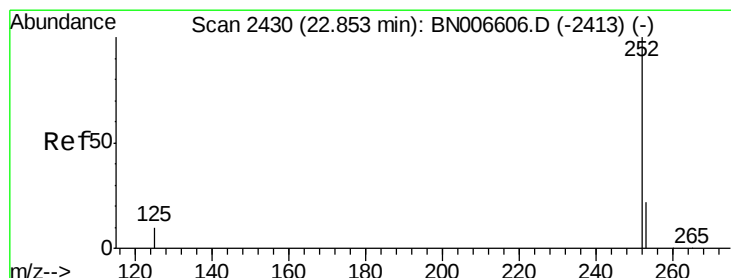
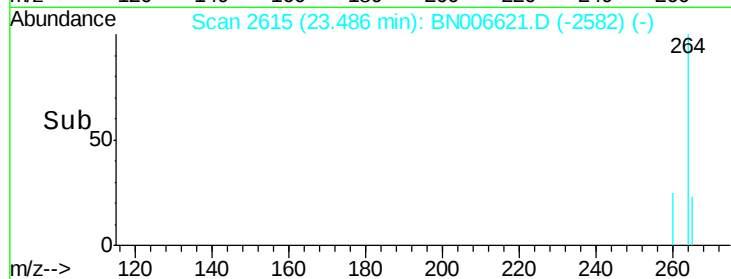
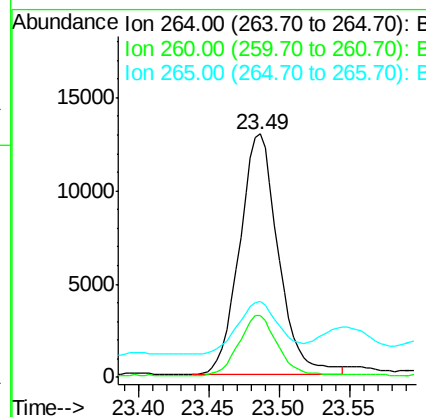
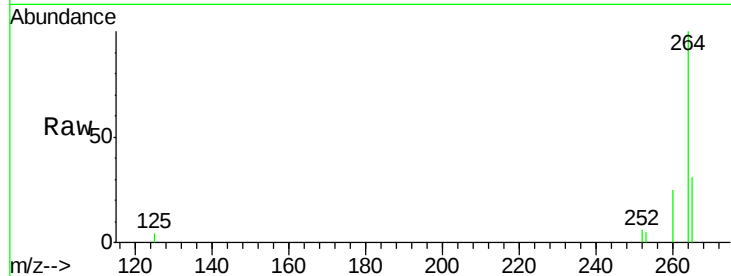
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.49 min Scan# 2615
 Delta R.T. -0.04 min
 Lab File: BN006621.D
 Acq: 28 Jun 2019 19:52

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.2	30.2
265	31.0	23.3	34.9

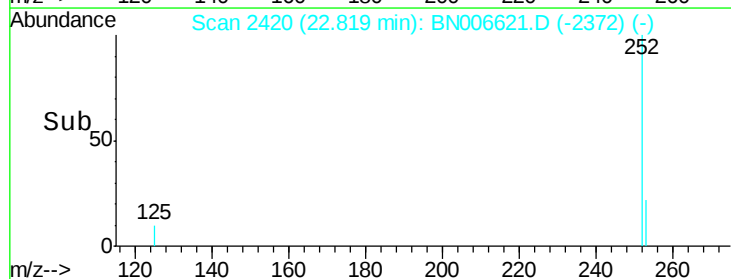
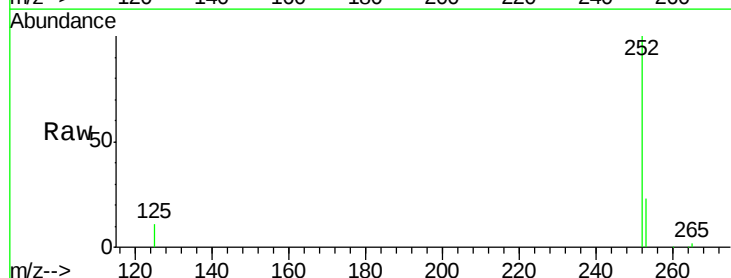
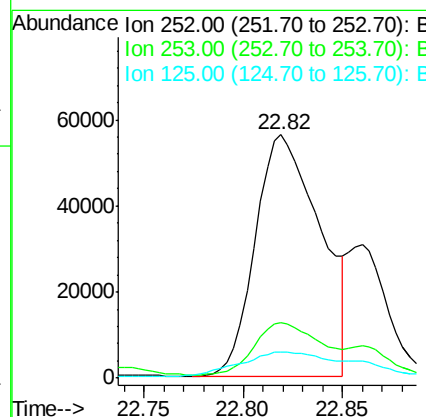
Manual Integrations
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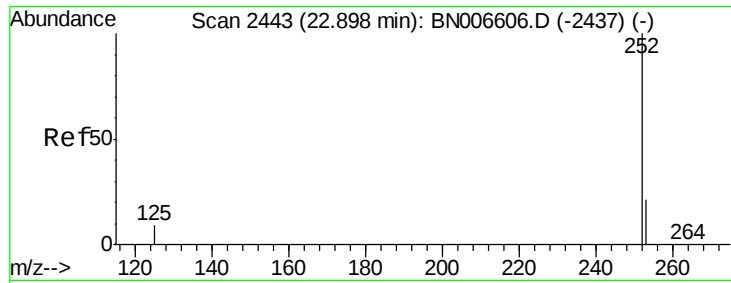
mohammad
 7/1/2019 3:08:39 PM



#35
Benzo(b)fluoranthene
 Concen: 1.515 ng
 RT: 22.82 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BN006621.D
 Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	10.9	8.7	13.1





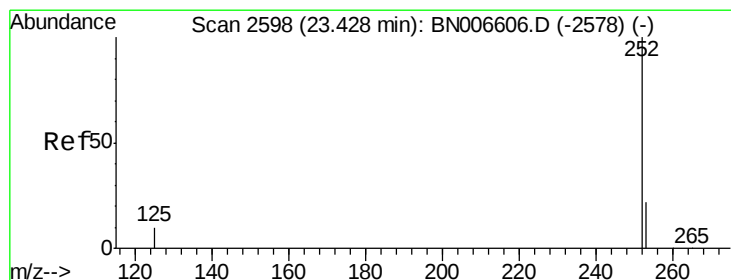
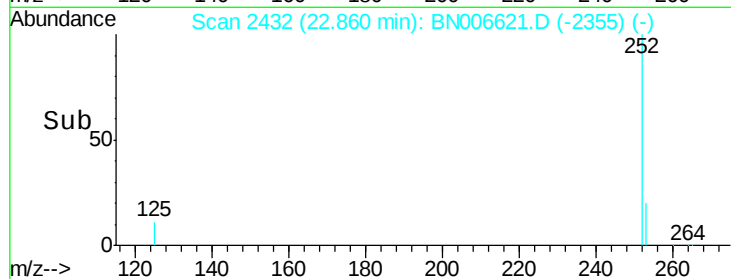
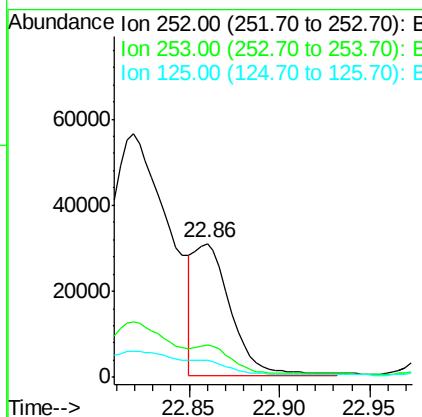
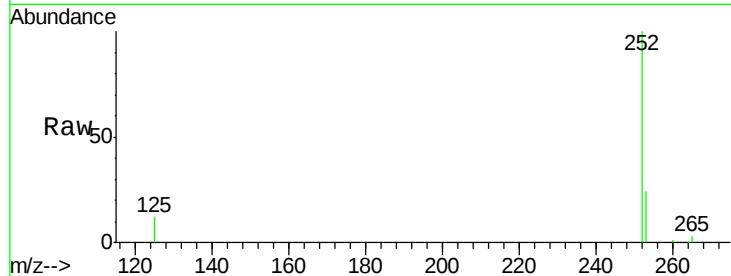
#36
Benzo(k)fluoranthene
Concen: 0.487 ng m
RT: 22.86 min Scan# 2432
Delta R.T. -0.04 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.3	27.5
125	12.3	8.4	12.6

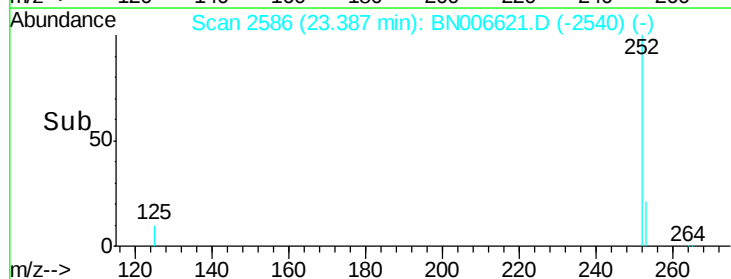
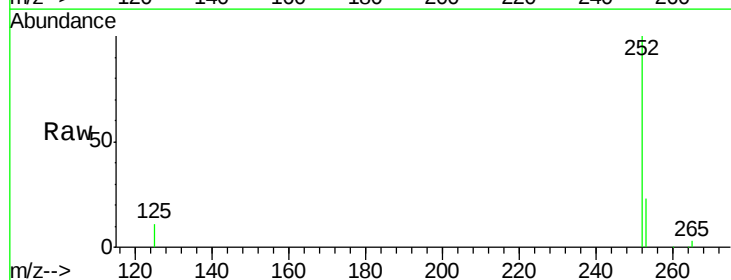
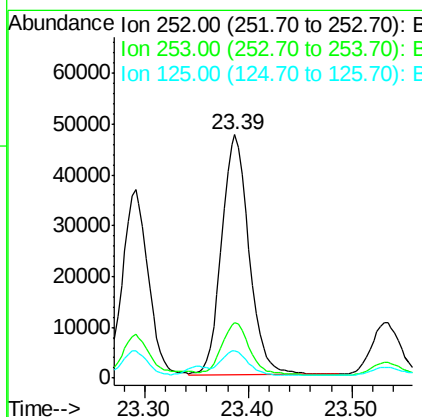
Manual Integrations
APPROVED

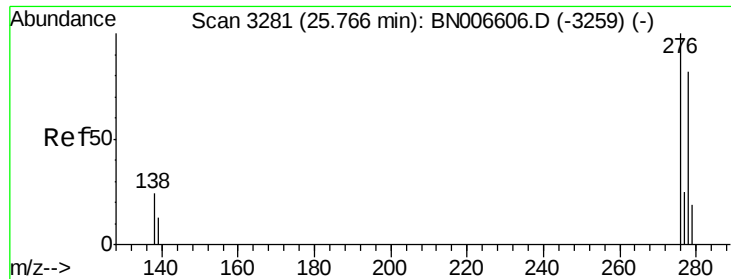
mohammad
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#37
Benzo(a)pyrene
Concen: 1.101 ng
RT: 23.39 min Scan# 2586
Delta R.T. -0.04 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.8	28.2
125	11.3	9.4	14.2





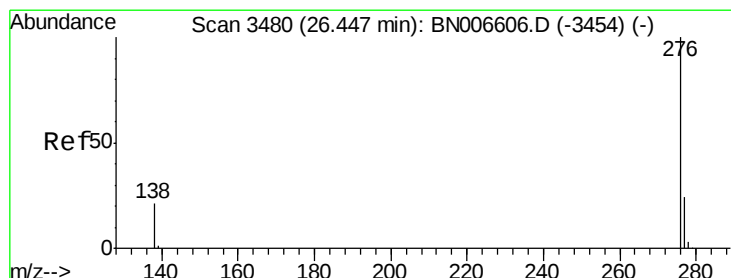
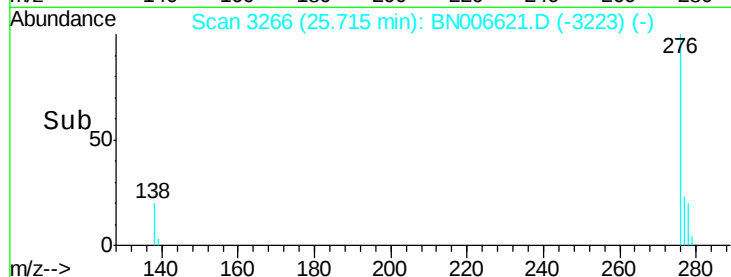
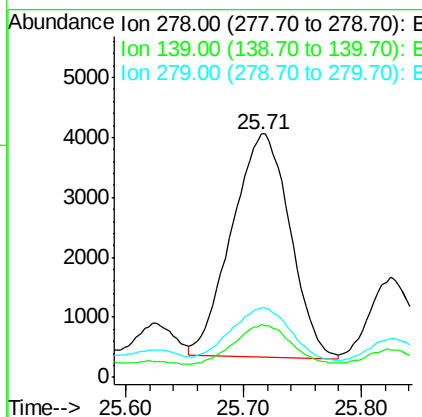
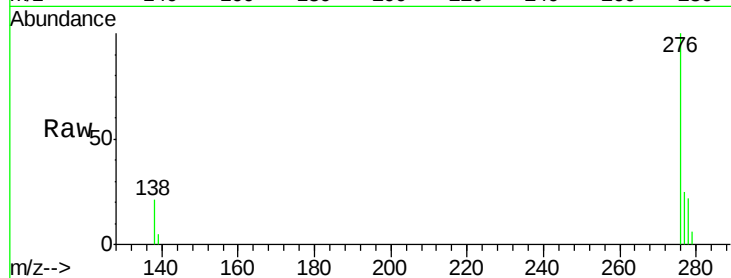
#38
Dibenzo(a,h)anthracene
Concen: 0.185 ng
RT: 25.71 min Scan# 3266
Delta R.T. -0.05 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Instrument :
BNA_N
ClientSampleId :
PST-008-SW122-061819

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	13.5	20.3#
279	28.3	19.4	29.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:08:39 PM



#39
Benzo(g,h,i)perylene
Concen: 0.684 ng
RT: 26.40 min Scan# 3466
Delta R.T. -0.05 min
Lab File: BN006621.D
Acq: 28 Jun 2019 19:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	21.8	17.7	26.5

