

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006642.D
 Acq On : 29 Jun 2019 08:32
 Operator : HP/JU
 Sample : K3446-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-007-B256-061819

Manual Integrations
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 7/1/2019 3:08:53 PM

Quant Time: Jul 01 08:25:49 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	4792	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	20836	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	13021	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	30209	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	30210	0.40	ng	-0.01
34) Perylene-d12	23.50	264	27318	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	3937	0.33	ng	0.00
5) Phenol-d6	6.81	99	6084	0.39	ng	-0.02
8) Nitrobenzene-d5	8.81	82	4325	0.31	ng	0.01
11) 2-Methylnaphthalene-d10	12.00	152	12250	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	2104	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	16488	0.34	ng	-0.01
25) Fluoranthene-d10	19.07	212	32827	0.37	ng	-0.01
29) Terphenyl-d14	19.68	244	22702	0.36	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.45	128	21600	0.395	ng	100
12) 2-Methylnaphthalene	12.07	142	8386	0.222	ng	99
16) Acenaphthylene	13.99	152	60565	0.976	ng	99
17) Acenaphthene	14.33	154	28147	0.688	ng	99
18) Fluorene	15.32	166	34242	0.664	ng	# 98
22) Pentachlorophenol	16.73	266	173	0.228	ng	85
23) Phenanthrene	17.07	178	848672	9.880	ng	100
24) Anthracene	17.16	178	160677	2.156	ng	# 92
26) Fluoranthene	19.10	202	1632113	15.634	ng	98
28) Pyrene	19.47	202	1519412	14.374	ng	# 96
30) Benzo(a)anthracene	21.24	228	809440	8.195	ng	98
31) Chrysene	21.29	228	796637	7.482	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	30979	0.623	ng	100
33) Indeno(1,2,3-cd)pyrene	25.73	276	372566	3.457	ng	96
35) Benzo(b)fluoranthene	22.83	252	908703	9.779	ng	99
36) Benzo(k)fluoranthene	22.87	252	314370m	3.174	ng	
37) Benzo(a)pyrene	23.40	252	644880	7.423	ng	99
38) Dibenzo(a,h)anthracene	25.73	278	94163	1.241	ng	93
39) Benzo(g,h,i)perylene	26.41	276	352727	4.656	ng	99

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

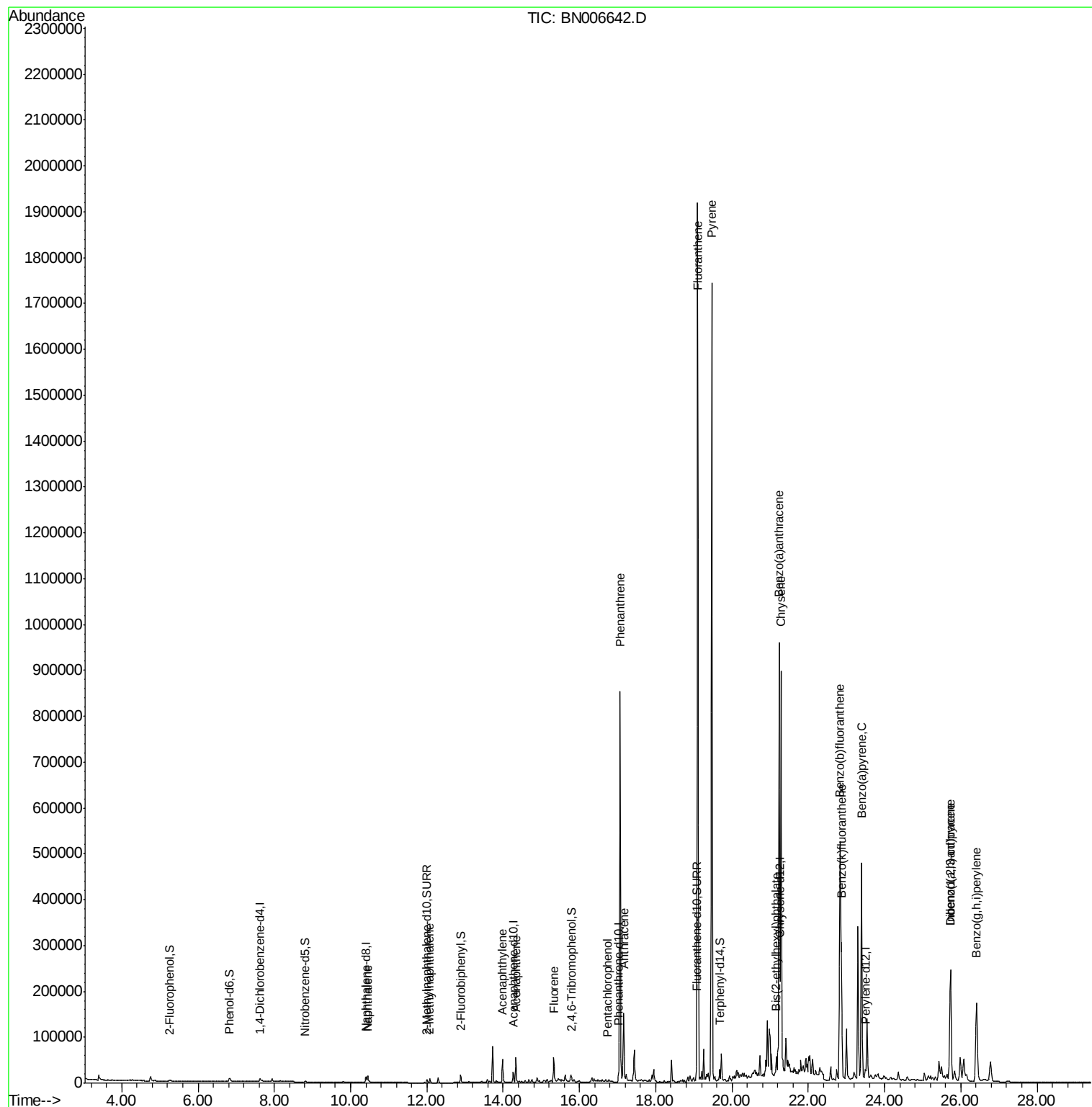
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006642.D
Acq On : 29 Jun 2019 08:32
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Response via : Initial Calibration

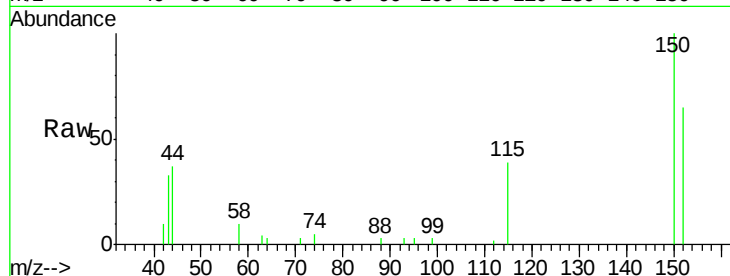




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 571
Delta R.T. -0.00 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

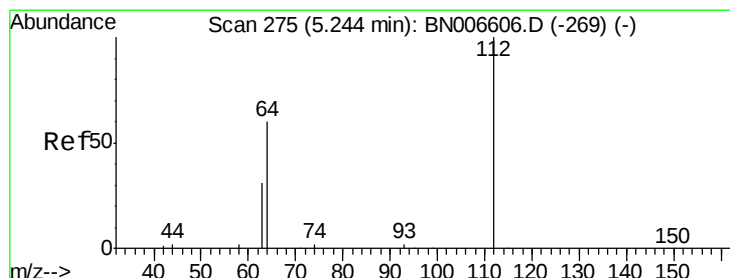
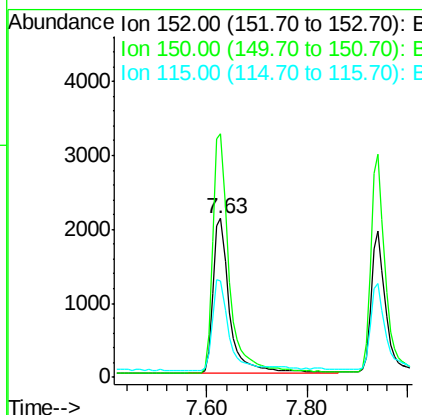
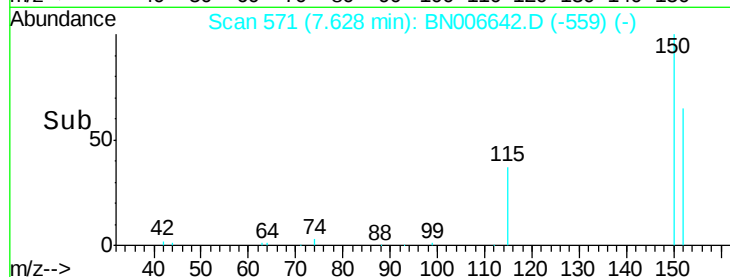
Instrument :
BNA_N
ClientSampleId :
PST-007-B256-061819



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.1	122.2	183.2
115	60.4	50.0	75.0

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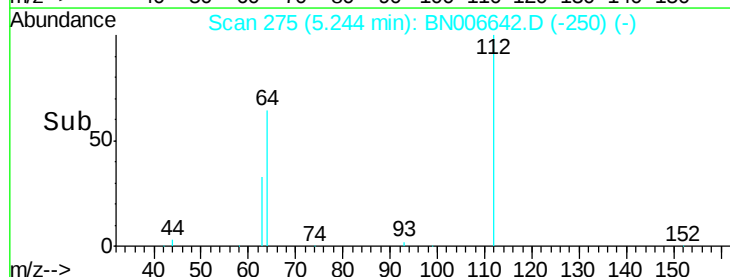
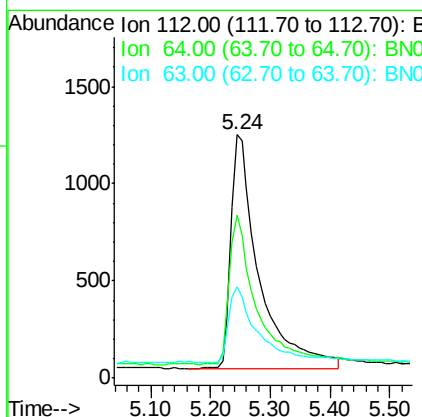
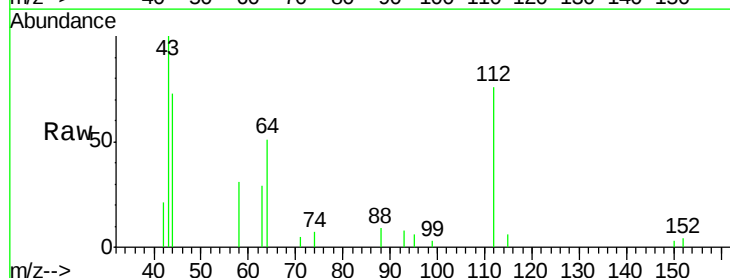
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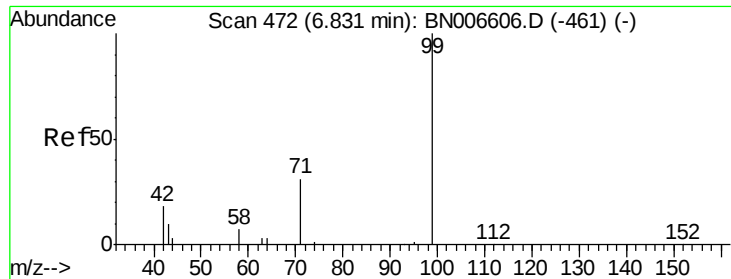


#4

2-Fluorophenol
Concen: 0.335 ng
RT: 5.24 min Scan# 275
Delta R.T. -0.00 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.9	73.3
63	32.5	24.3	36.5





#5

Phenol-d6

Concen: 0.391 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

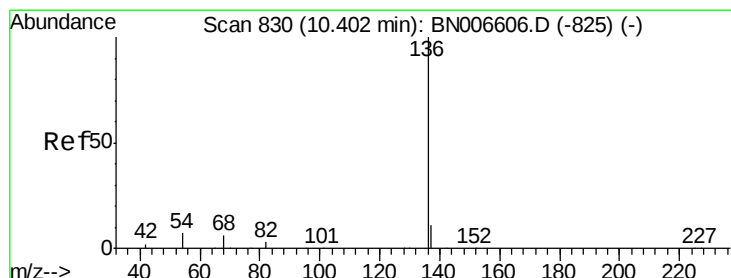
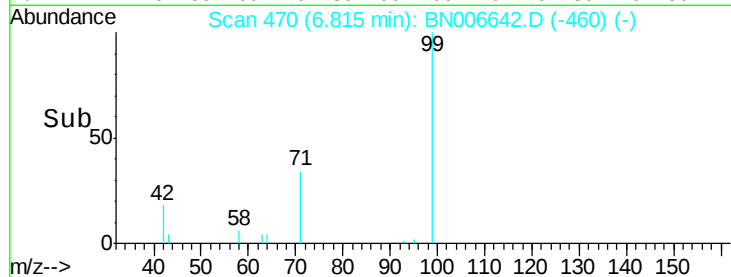
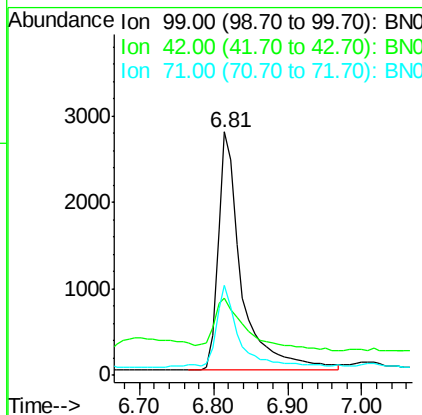
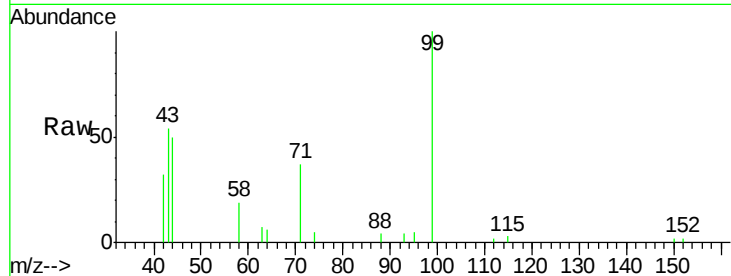
ClientSampleId :

PST-007-B256-061819

Tgt Ion:	99	Resp:	6084
Ion	Ratio	Lower	Upper
99	100		
42	31.2	16.4	24.6#
71	30.0	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

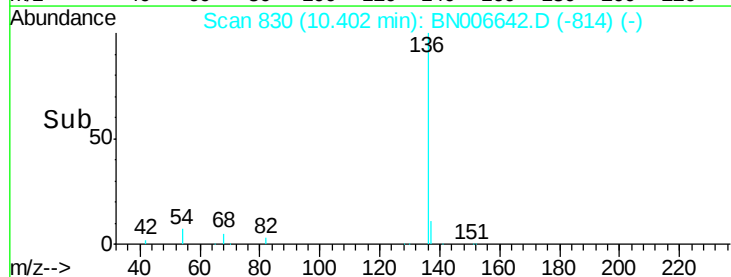
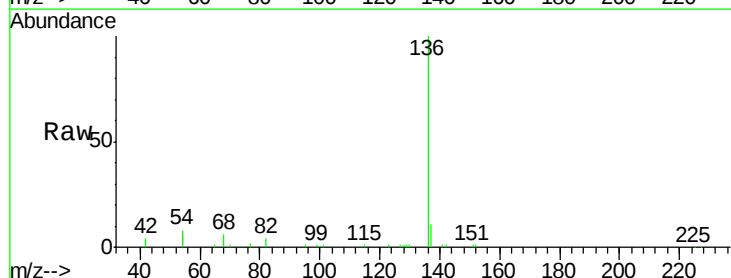
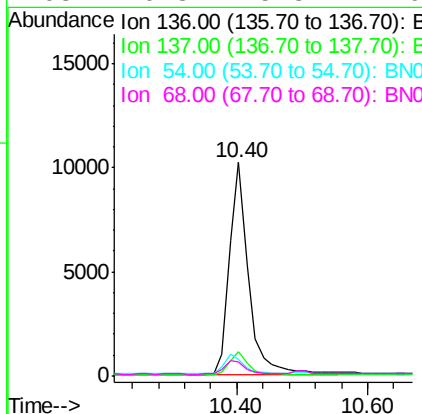
RT: 10.40 min Scan# 830

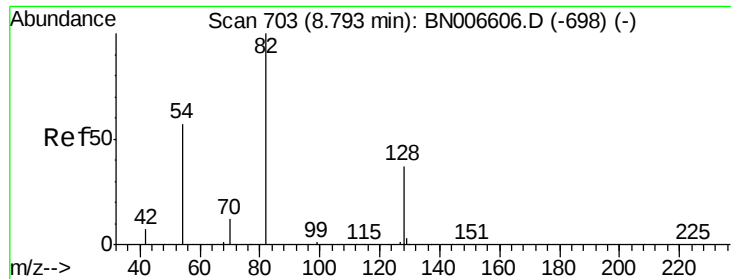
Delta R.T. -0.00 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Tgt Ion:	136	Resp:	20836
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.9	6.7	10.1
68	6.3	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.309 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

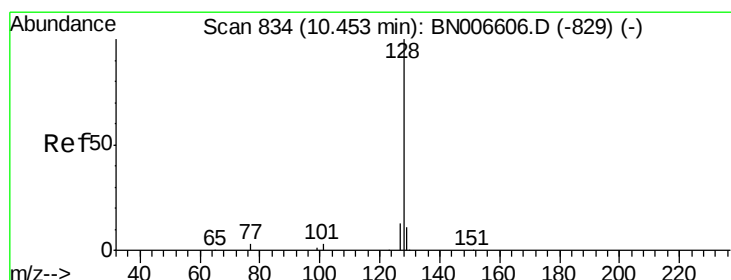
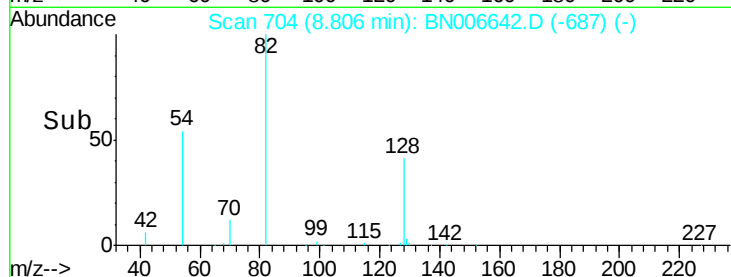
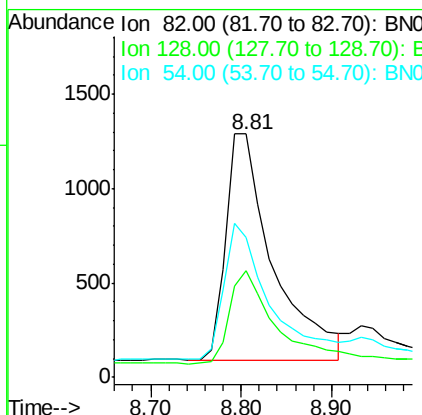
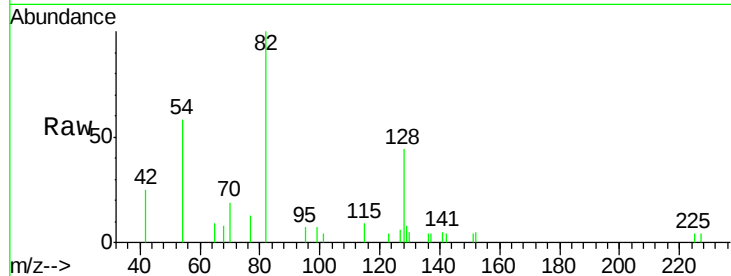
ClientSampleId :

PST-007-B256-061819

Tgt Ion:	82	Resp:	4325
Ion Ratio	Lower	Upper	
82	100		
128	43.9	32.6	49.0
54	57.6	48.2	72.4

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#9

Naphthalene

Concen: 0.395 ng

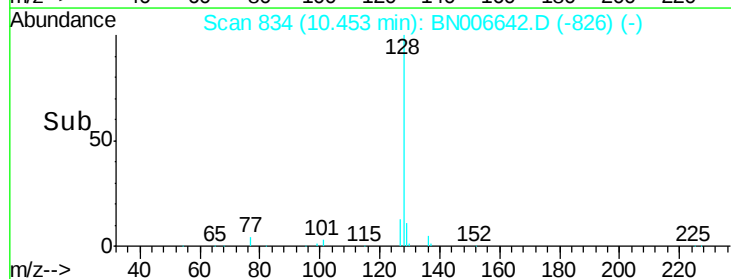
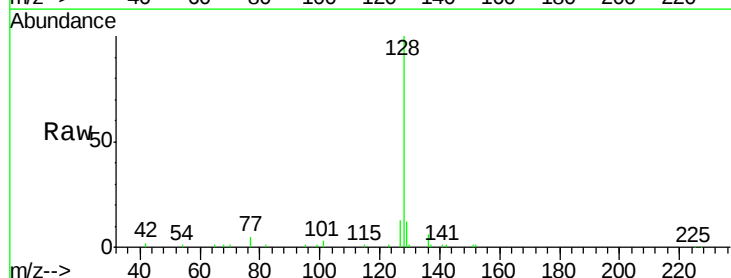
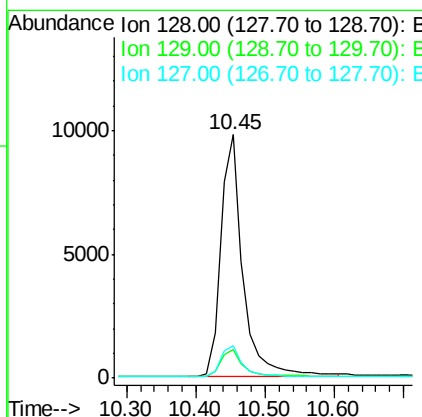
RT: 10.45 min Scan# 834

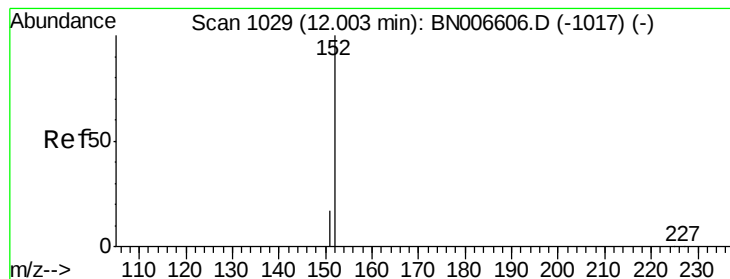
Delta R.T. -0.00 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Tgt Ion:	128	Resp:	21600
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.3	13.9
127	13.4	10.8	16.2





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.00 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

ClientSampleId :

PST-007-B256-061819

Tgt Ion:152 Resp: 12250

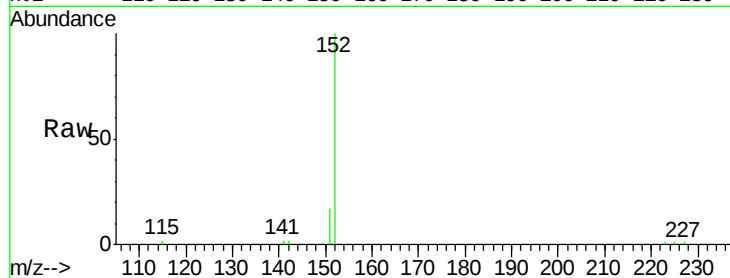
Ion Ratio Lower Upper

152 100

151 18.8 15.0 22.4

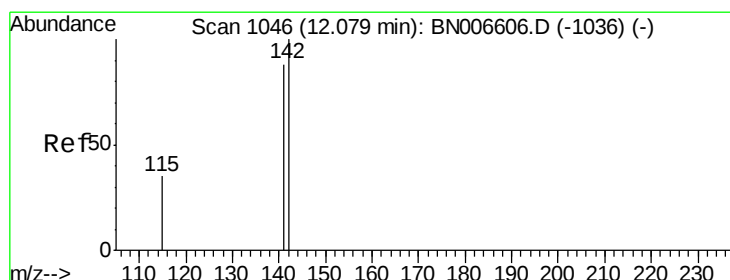
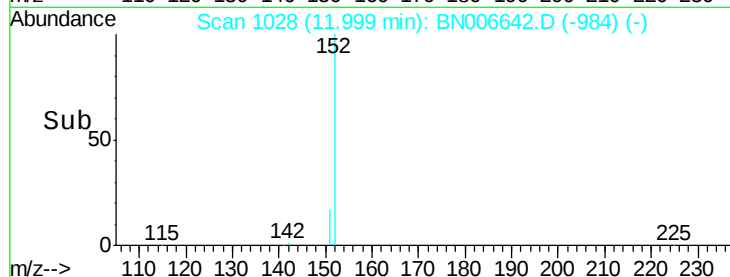
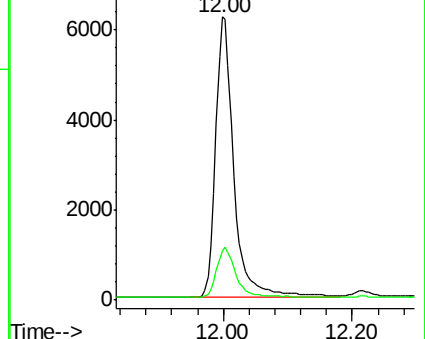
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.222 ng

RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

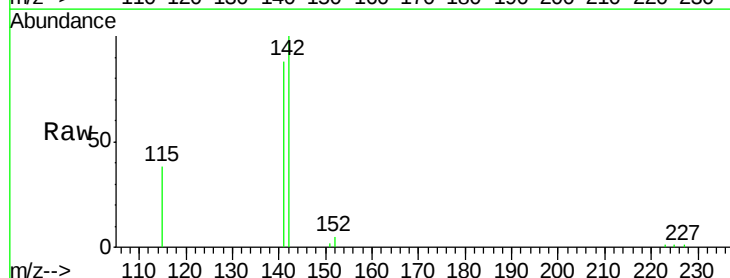
Tgt Ion:142 Resp: 8386

Ion Ratio Lower Upper

142 100

141 88.2 70.2 105.4

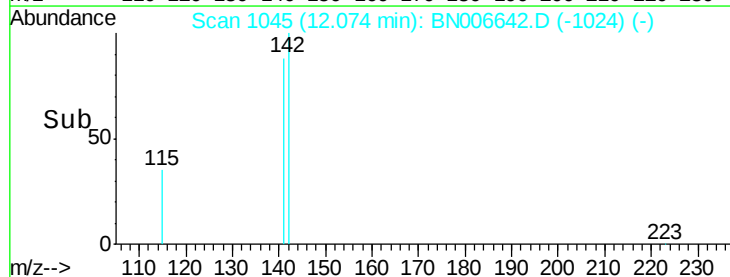
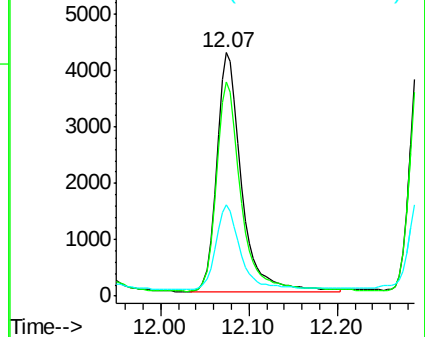
115 37.6 28.5 42.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





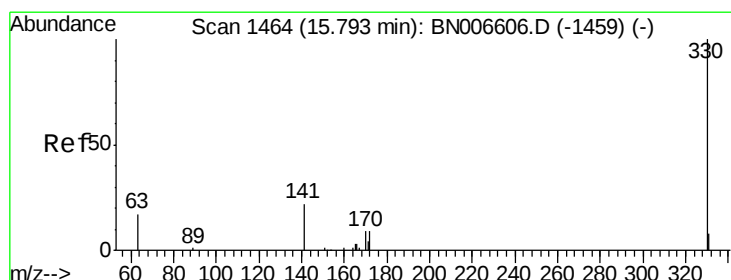
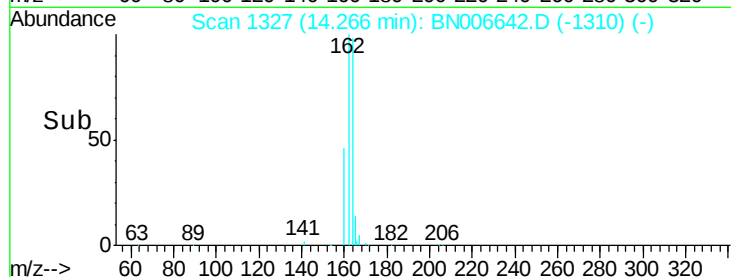
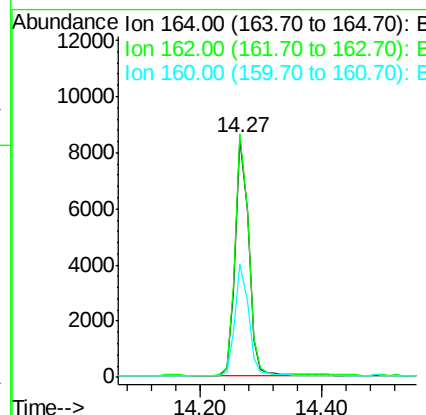
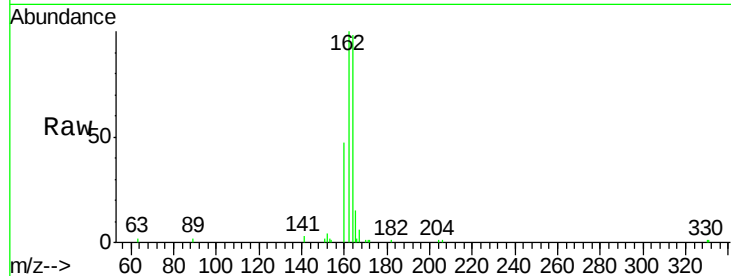
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Instrument :
BNA_N
ClientSampleId :
PST-007-B256-061819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.0	120.0
160	47.6	37.0	55.4

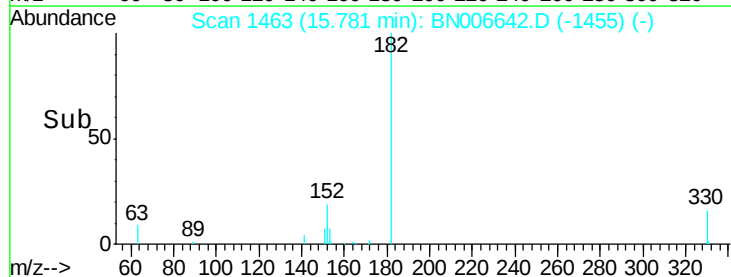
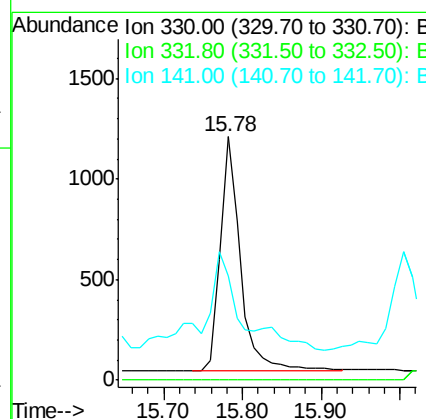
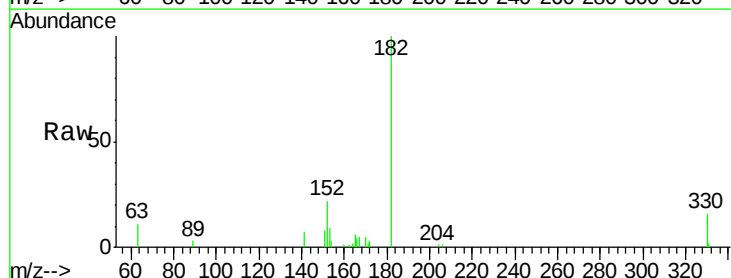
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#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.3	26.5	39.7





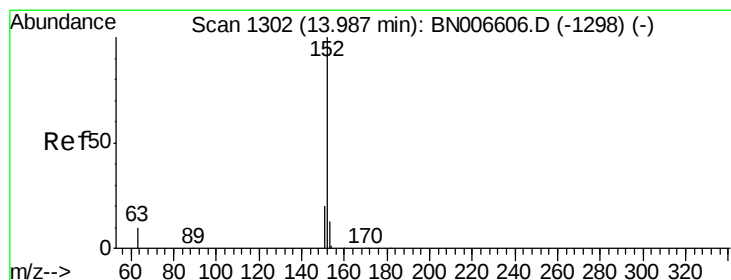
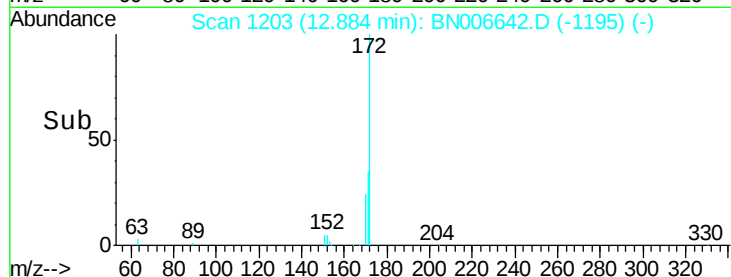
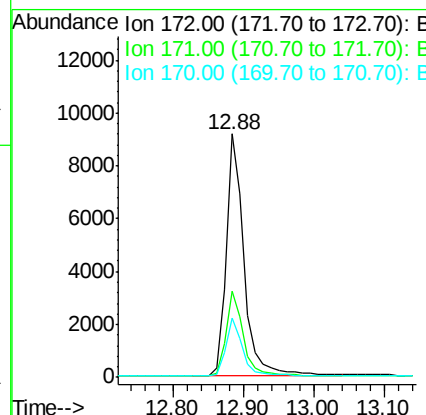
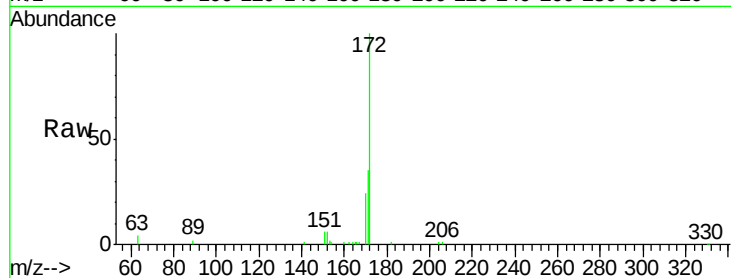
#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Instrument :
BNA_N
ClientSampleId :
PST-007-B256-061819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.0	40.4
170	24.4	17.7	26.5

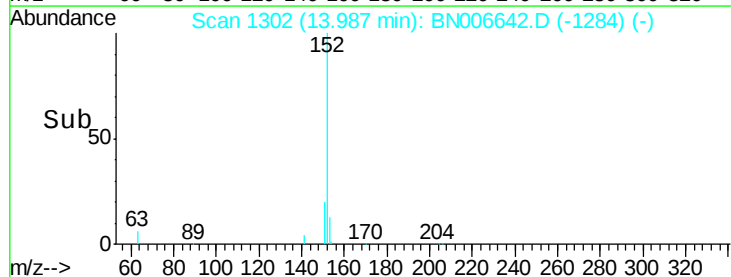
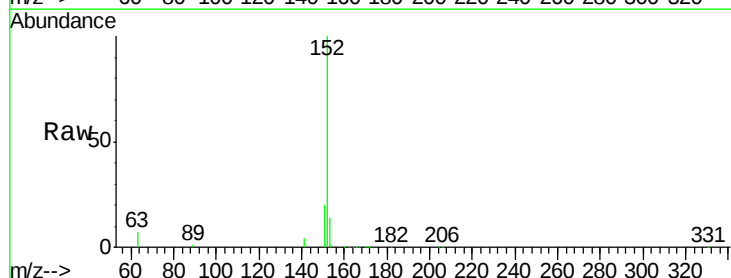
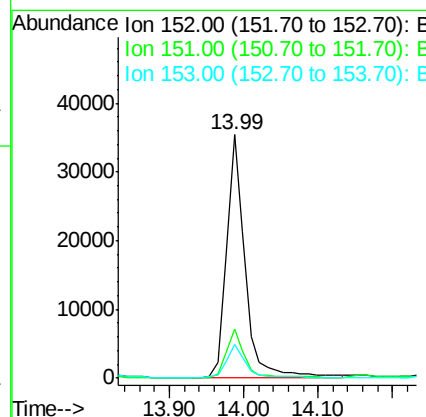
Manual Integrations
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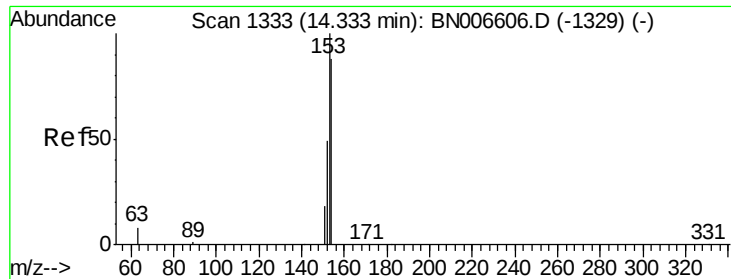
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#16
Acenaphthylene
Concen: 0.976 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.5	10.5	15.7





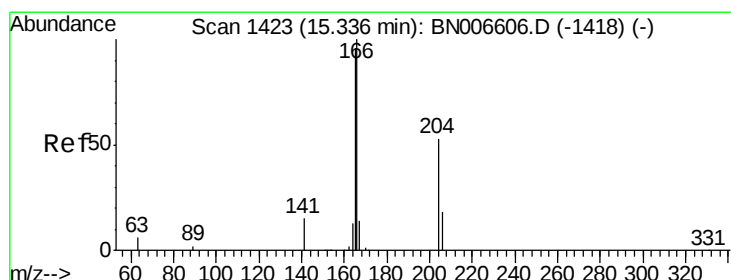
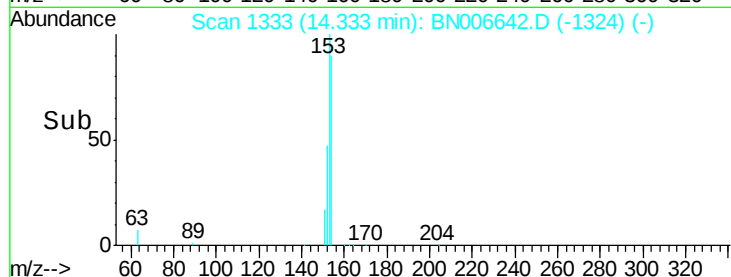
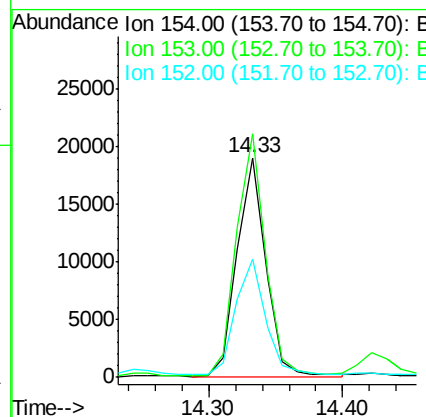
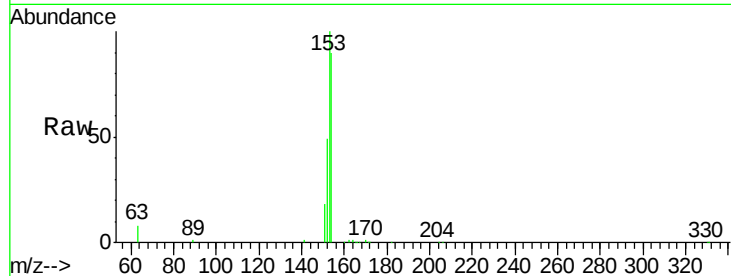
#17
Acenaphthene
Concen: 0.688 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Instrument :
BNA_N
ClientSampleId :
PST-007-B256-061819

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.4
152	54.9	44.2	66.4

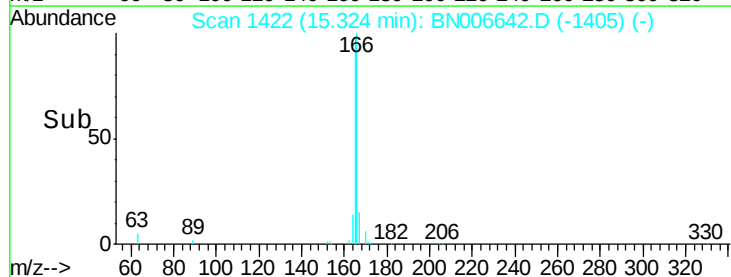
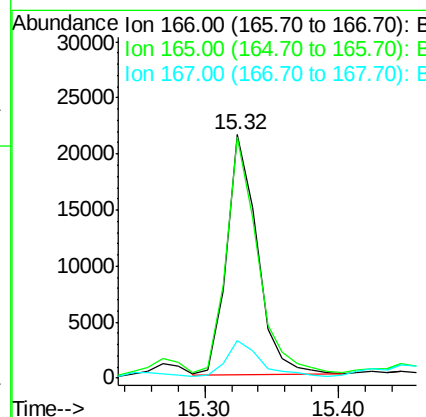
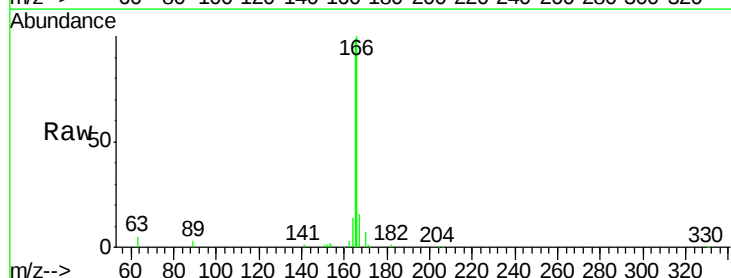
Manual Integrations
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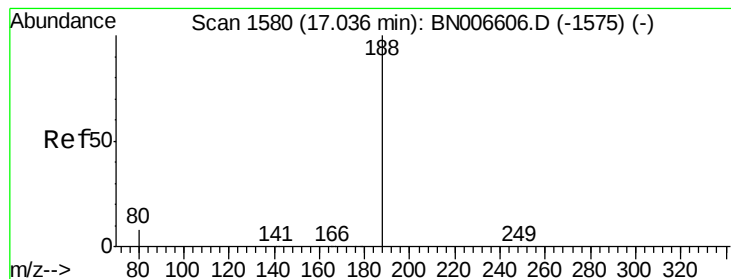
mohammad
7/1/2019 3:08:53 PM



#18
Fluorene
Concen: 0.664 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.4	117.6
167	16.6	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: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

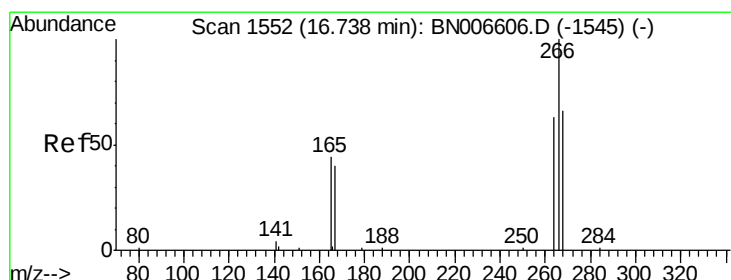
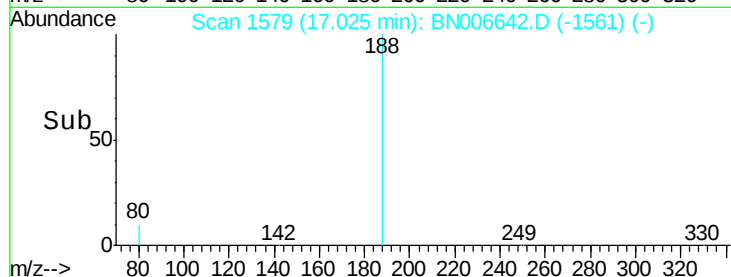
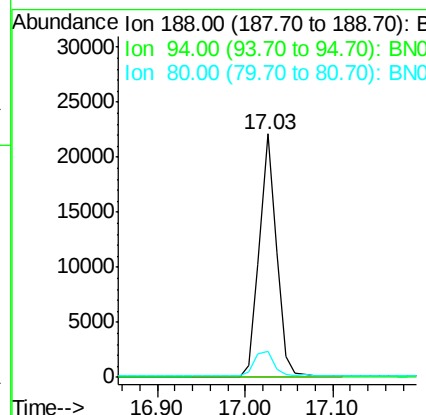
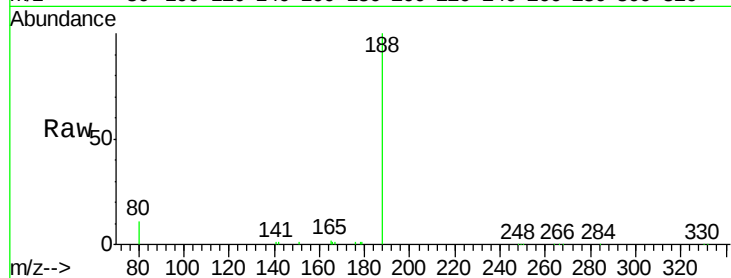
ClientSampleId :

PST-007-B256-061819

Tgt Ion:	188	Resp:	30209
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.6	7.1	10.7

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#22

Pentachlorophenol

Concen: 0.228 ng

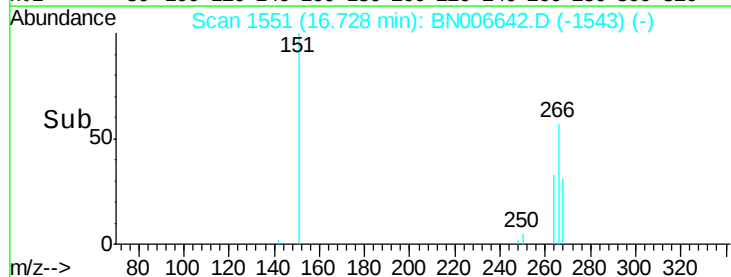
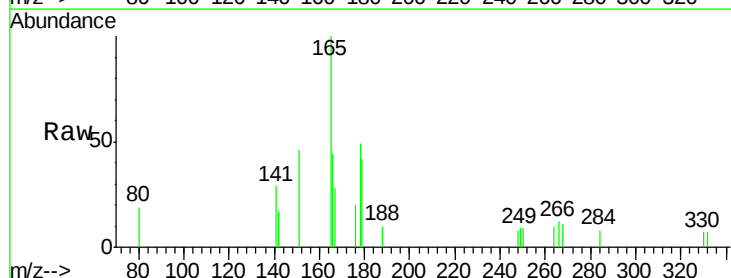
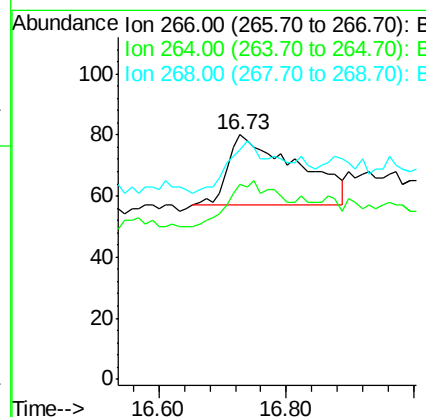
RT: 16.73 min Scan# 1551

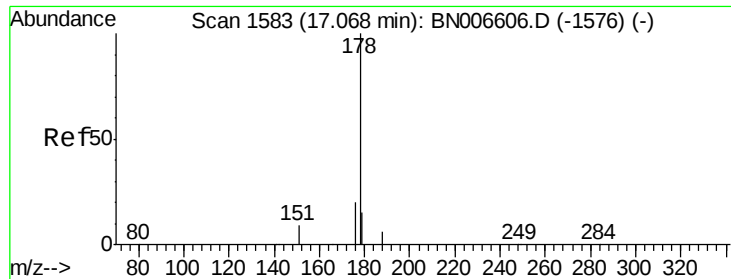
Delta R.T. -0.01 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Tgt Ion:	266	Resp:	173
Ion Ratio	Lower	Upper	
266	100		
264	80.0	56.2	84.4
268	93.8	63.0	94.4





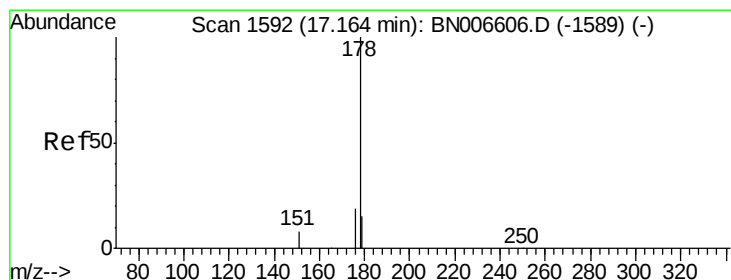
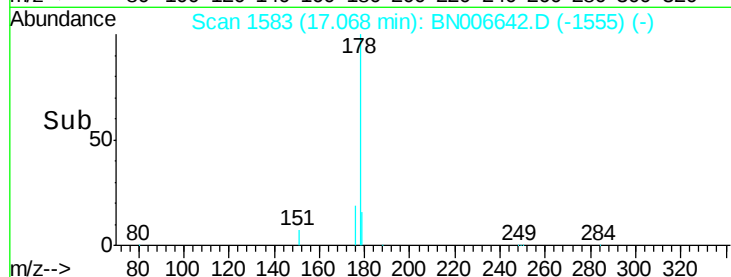
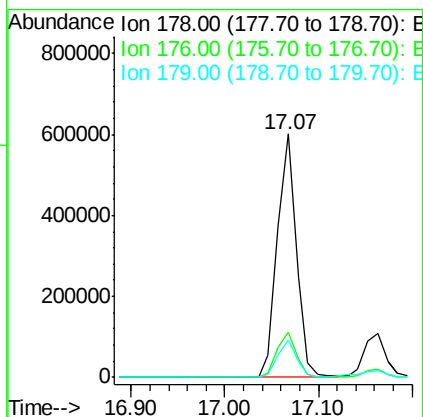
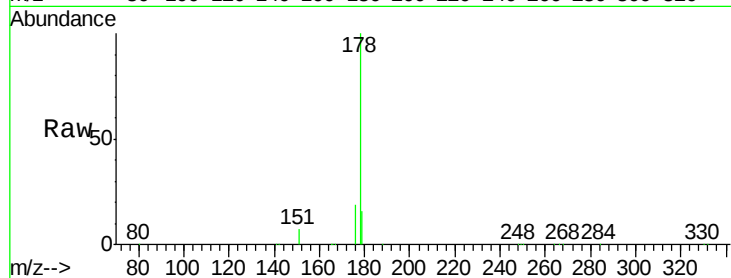
#23
Phenanthrene
Concen: 9.880 ng
RT: 17.07 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Instrument :
BNA_N
ClientSampleId :
PST-007-B256-061819

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

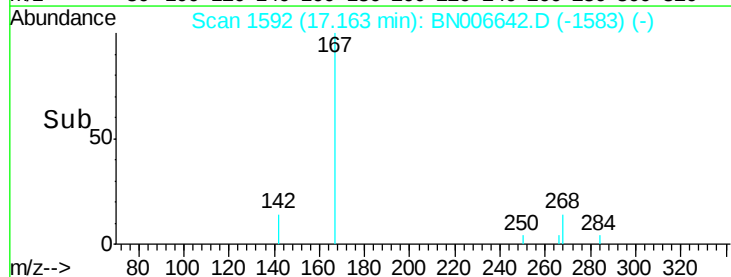
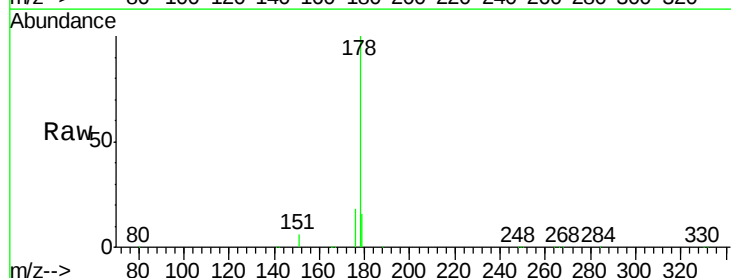
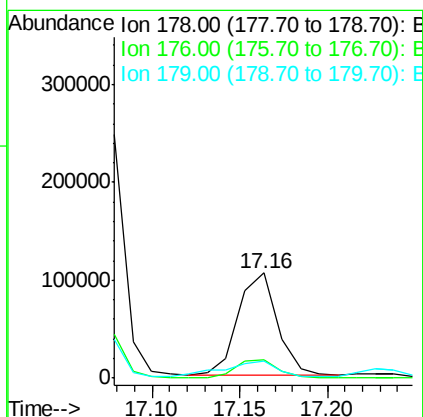
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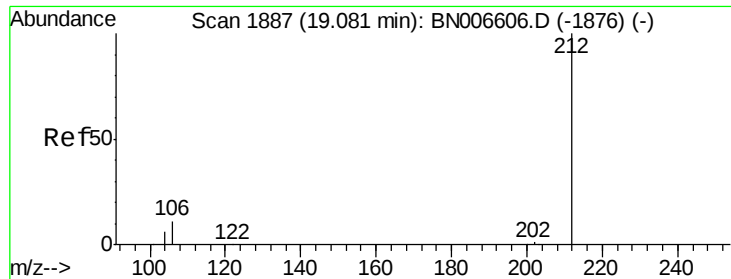
mohammad
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#24
Anthracene
Concen: 2.156 ng
RT: 17.16 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	21.3	12.2	18.2





#25

Fluoranthene-d10

Concen: 0.370 ng

RT: 19.07 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

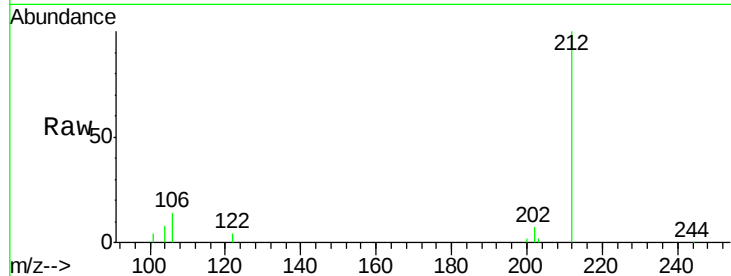
ClientSampleId :

PST-007-B256-061819

Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.5	10.6	15.8#
104	9.8	5.8	8.6#

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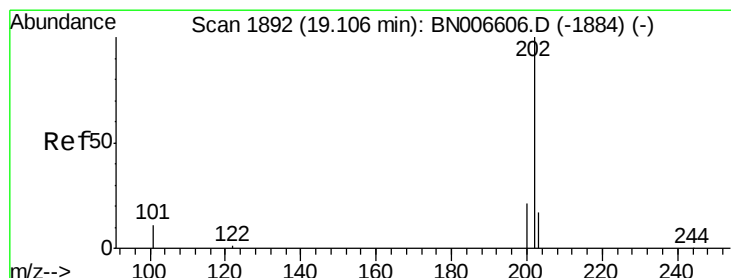
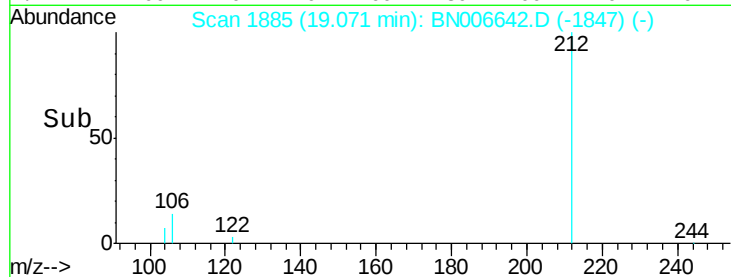
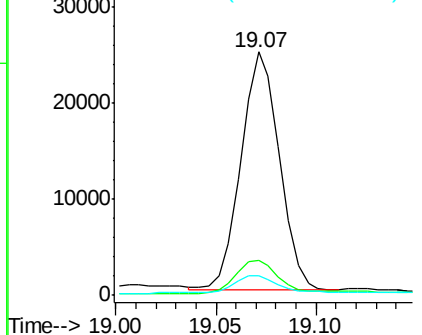
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Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 15.634 ng

RT: 19.10 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BN006642.D

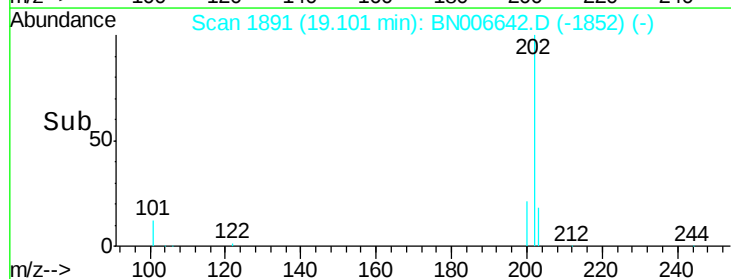
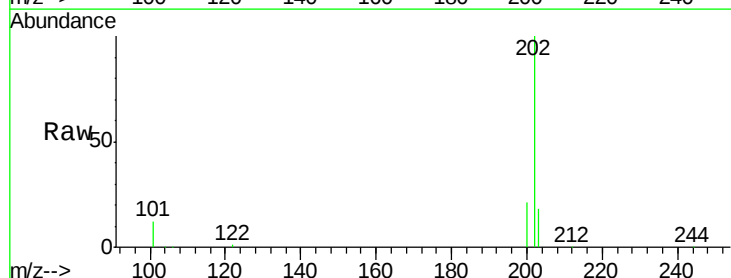
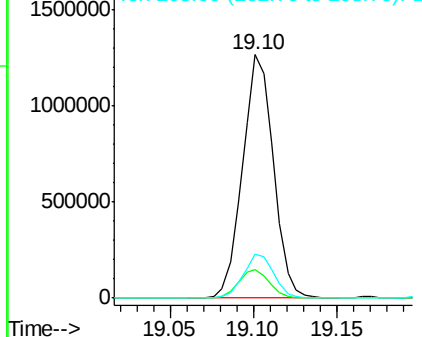
Acq: 29 Jun 2019 08:32

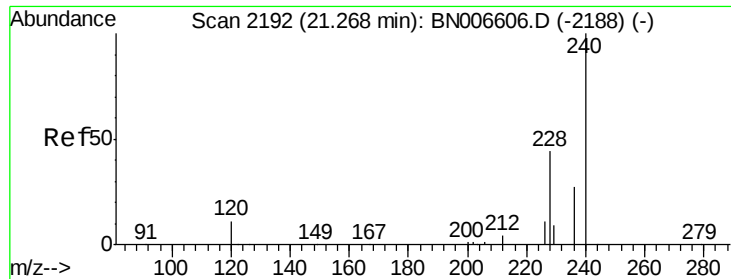
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.9	13.3
203	17.8	13.6	20.4

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

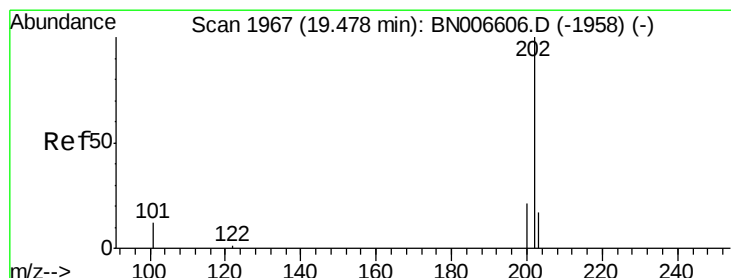
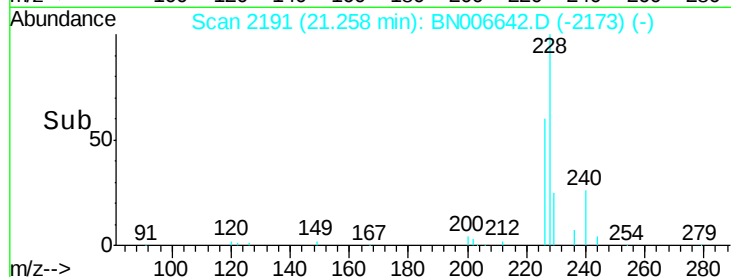
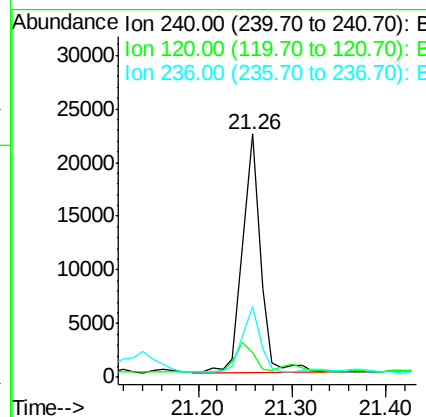
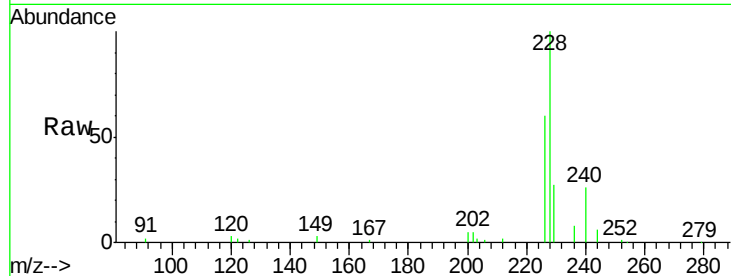
ClientSampleId :

PST-007-B256-061819

Tgt Ion:	240	Resp:	30210
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.9	14.9
236	28.9	22.2	33.4

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#28

Pyrene

Concen: 14.374 ng

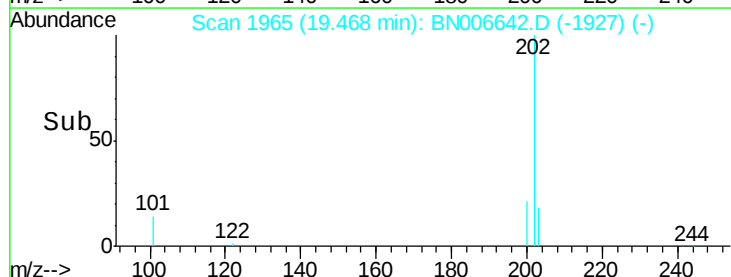
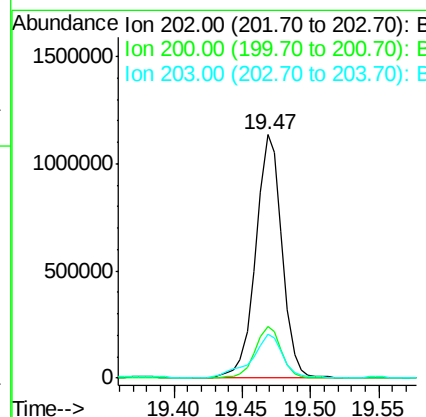
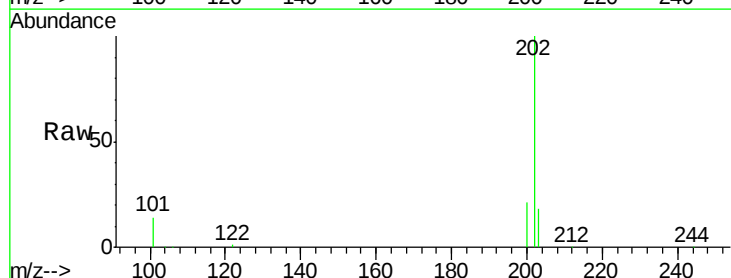
RT: 19.47 min Scan# 1965

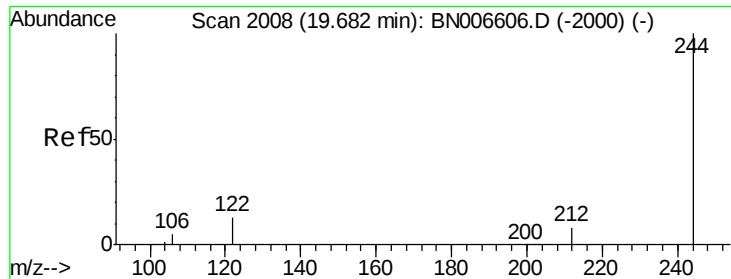
Delta R.T. -0.01 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

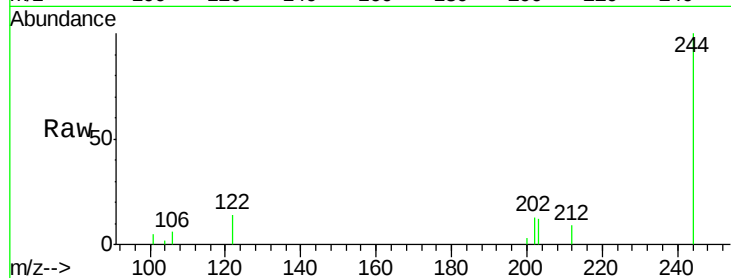
Tgt Ion:	202	Resp:	1519412
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	21.4	14.1	21.1#





#29
 Terphenyl-d14
 Concen: 0.359 ng
 RT: 19.68 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BN006642.D
 Acq: 29 Jun 2019 08:32

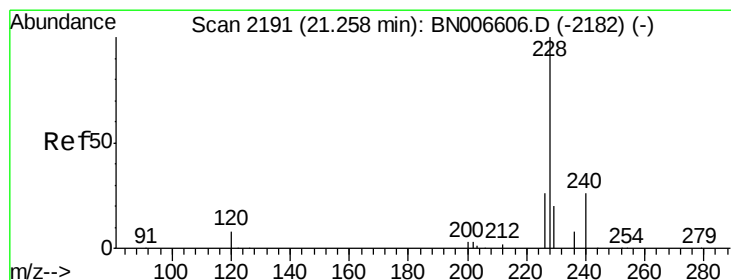
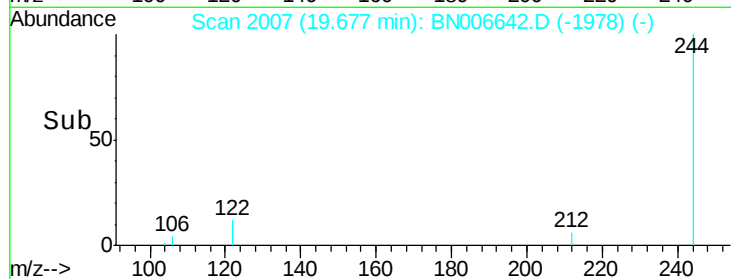
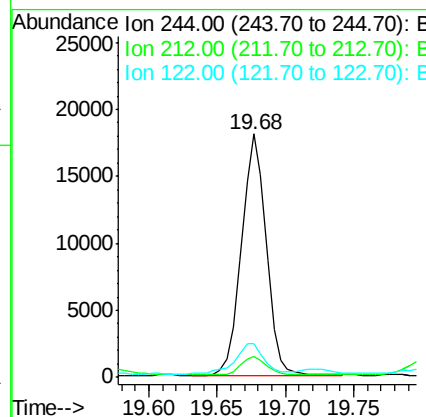
Instrument :
 BNA_N
 ClientSampleId :
 PST-007-B256-061819



Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.7	10.1
122	14.0	11.0	16.6

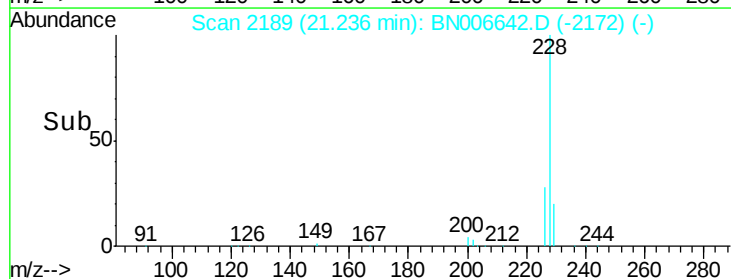
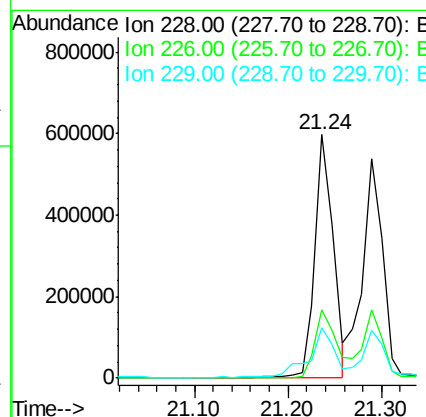
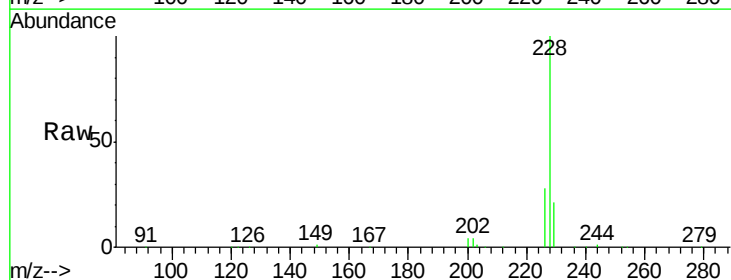
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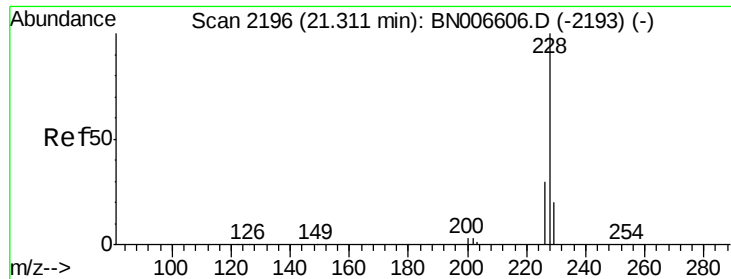
mohammad
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#30
 Benzo(a)anthracene
 Concen: 8.195 ng
 RT: 21.24 min Scan# 2189
 Delta R.T. -0.02 min
 Lab File: BN006642.D
 Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.2	31.8
229	20.5	16.1	24.1





#31

Chrysene

Concen: 7.482 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

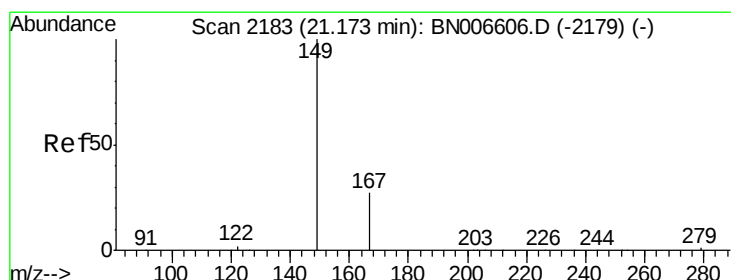
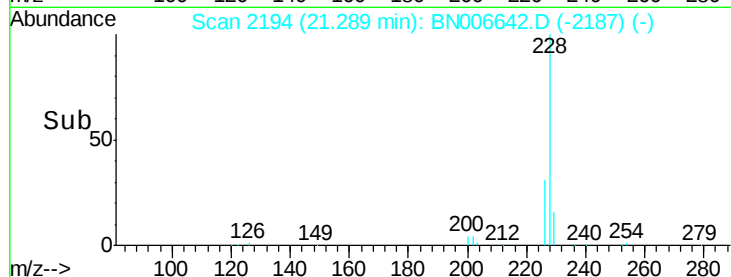
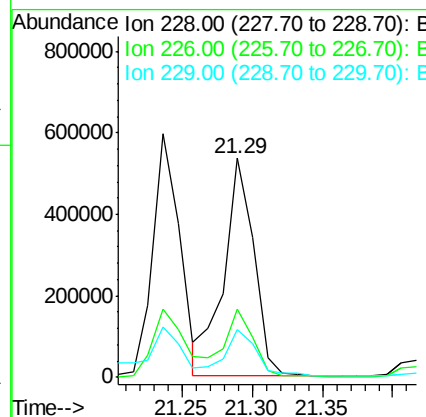
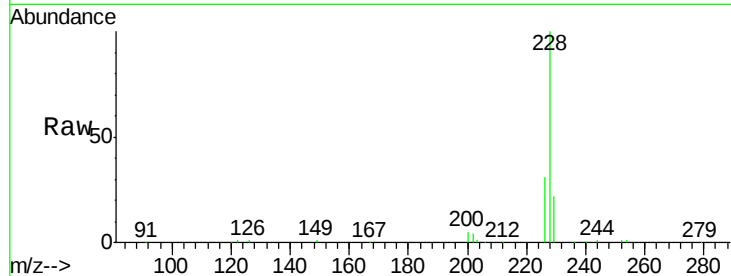
ClientSampleId :

PST-007-B256-061819

Tgt Ion:	228	Resp:	796637
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.8	35.6
229	21.7	15.9	23.9

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.623 ng

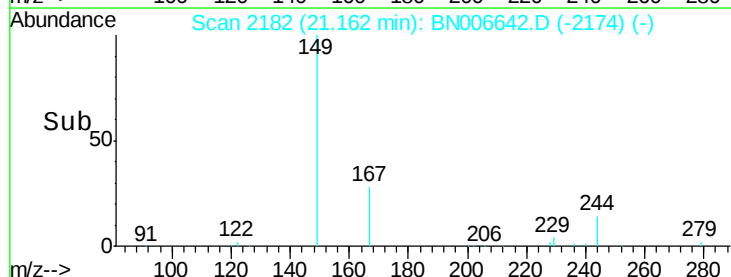
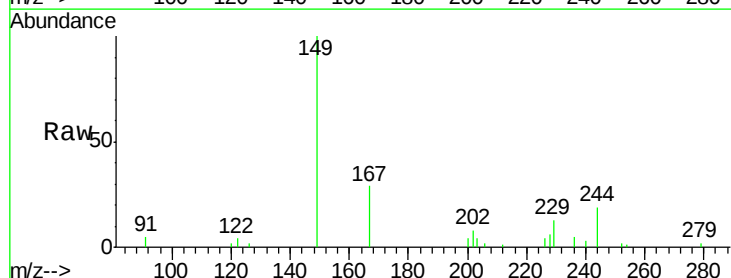
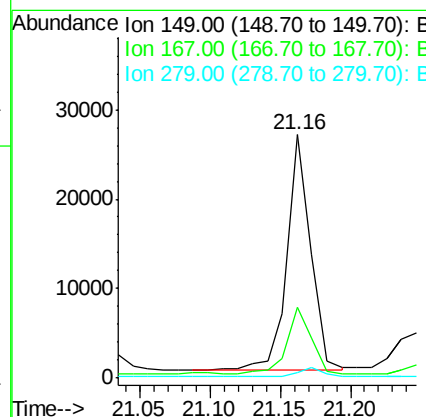
RT: 21.16 min Scan# 2182

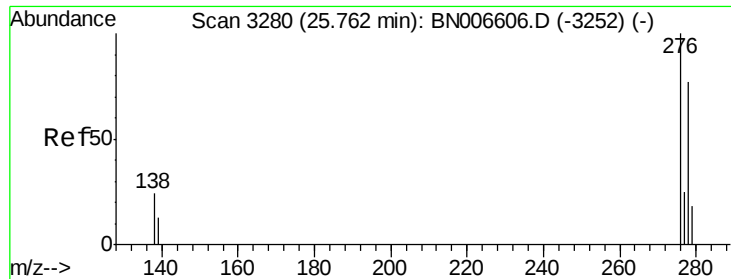
Delta R.T. -0.01 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

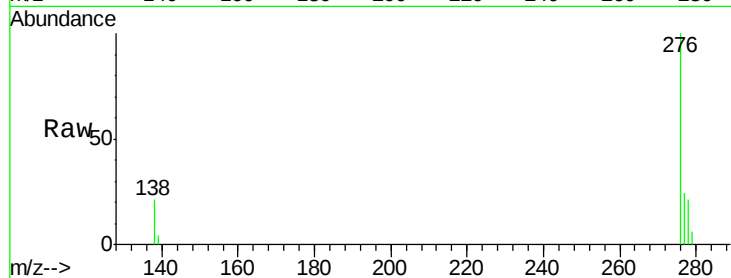
Tgt Ion:	149	Resp:	30979
Ion Ratio	Lower	Upper	
149	100		
167	28.8	22.9	34.3
279	3.9	3.3	4.9





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.457 ng
 RT: 25.73 min Scan# 3270
 Delta R.T. -0.03 min
 Lab File: BN006642.D
 Acq: 29 Jun 2019 08:32

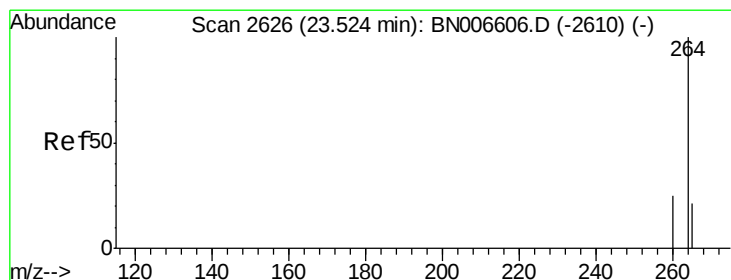
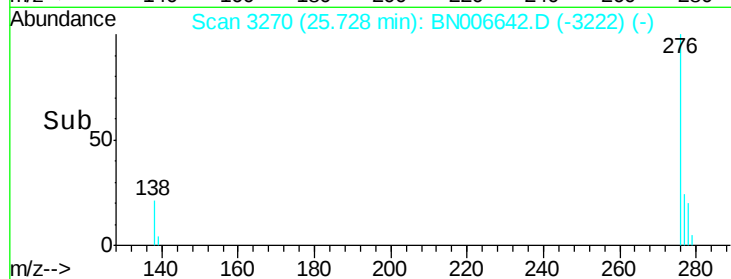
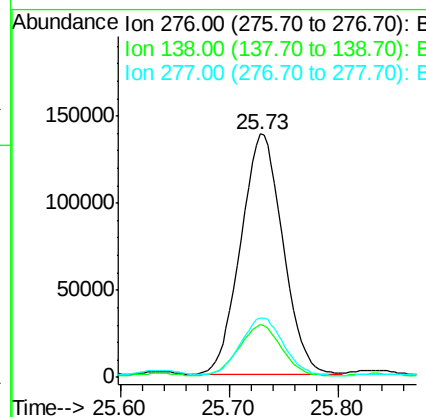
Instrument :
 BNA_N
 ClientSampleId :
 PST-007-B256-061819



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.1	19.3	28.9
277	24.2	19.9	29.9

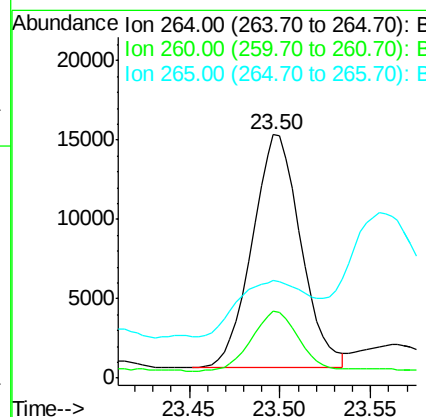
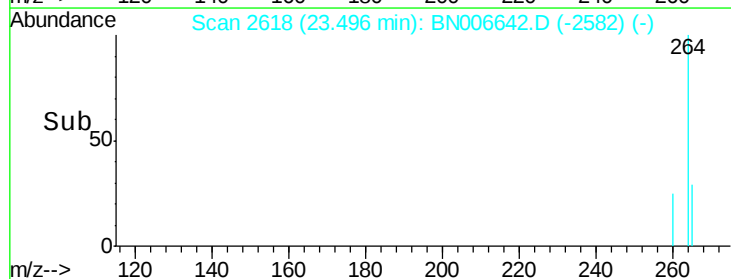
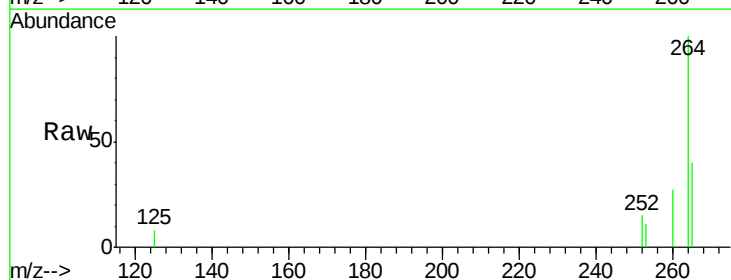
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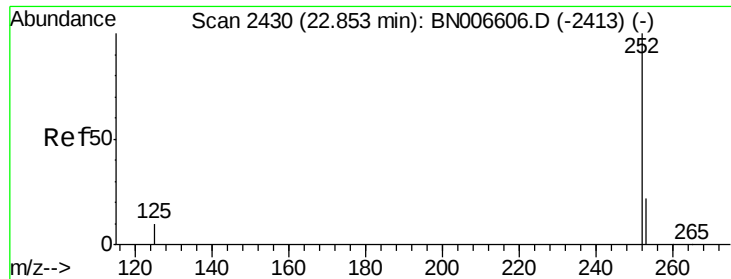
mohammad
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BN006642.D
 Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	27.4	20.2	30.2
265	40.0	23.3	34.9





#35

Benzo(b)fluoranthene

Concen: 9.779 ng

RT: 22.83 min Scan# 2423

Delta R.T. -0.02 min

Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

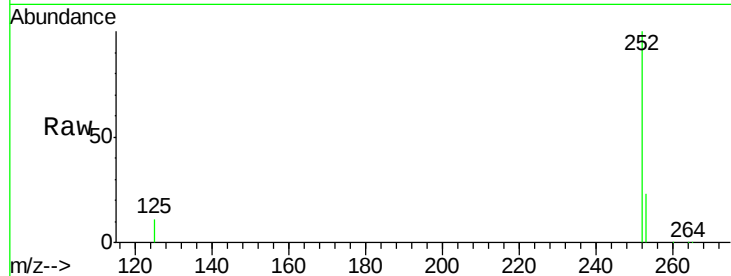
ClientSampleId :

PST-007-B256-061819

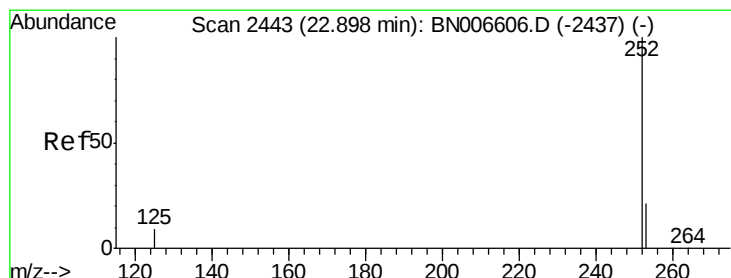
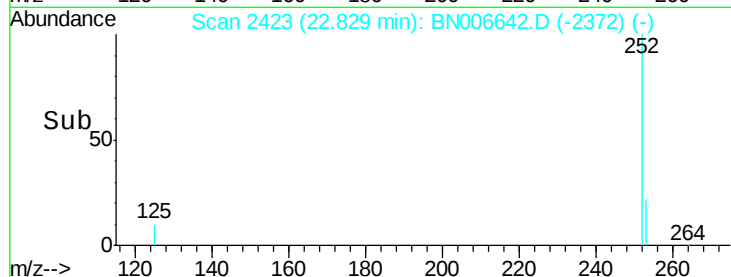
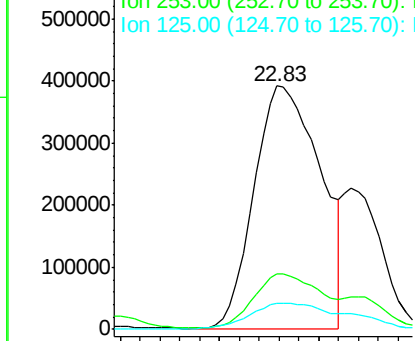
Tgt Ion:	252	Resp:	908703
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.4	27.6
125	10.6	8.7	13.1

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



#36

Benzo(k)fluoranthene

Concen: 3.174 ng m

RT: 22.87 min Scan# 2434

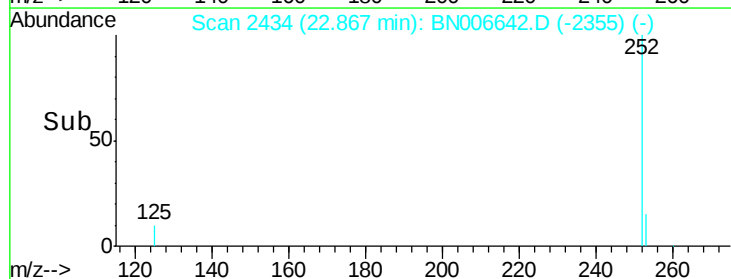
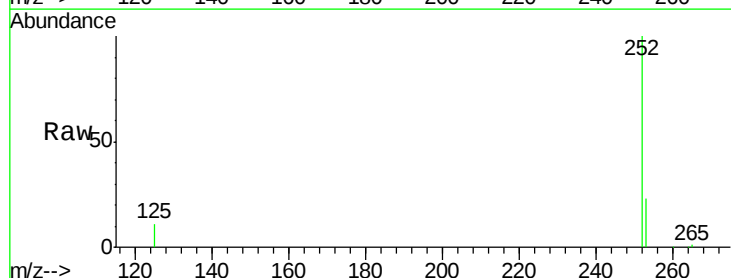
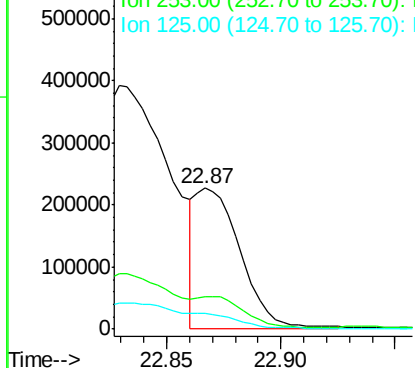
Delta R.T. -0.03 min

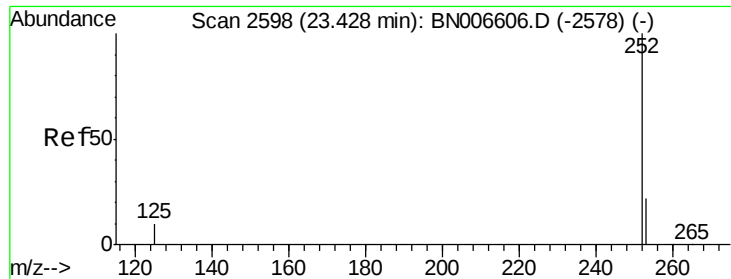
Lab File: BN006642.D

Acq: 29 Jun 2019 08:32

Tgt Ion:	252	Resp:	314370
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.3	27.5
125	11.1	8.4	12.6

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





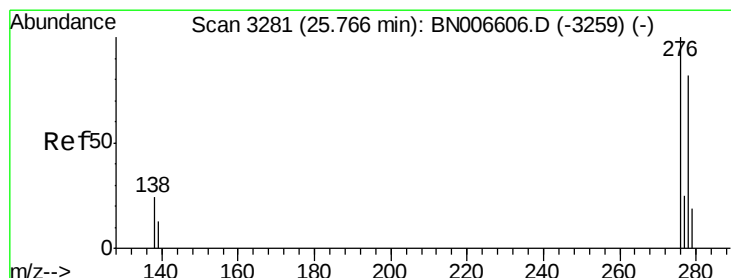
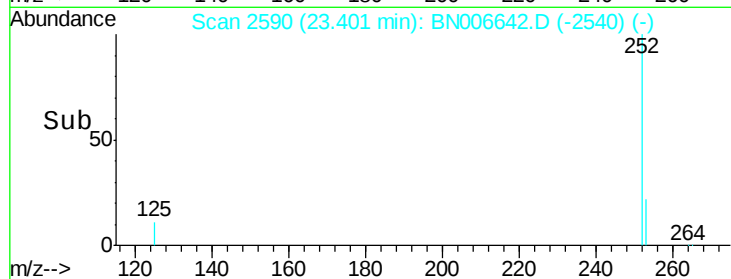
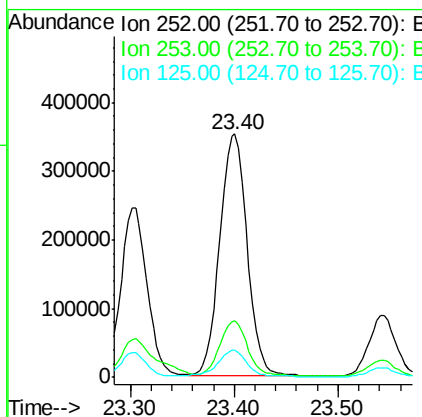
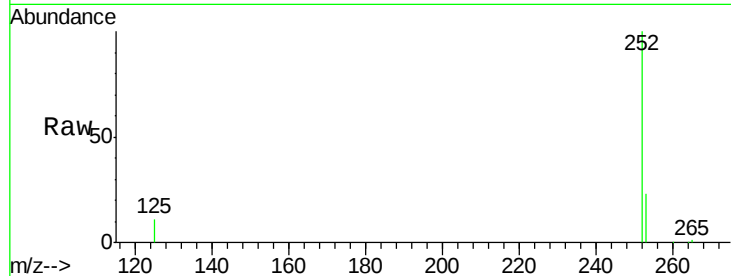
#37
Benzo(a)pyrene
Concen: 7.423 ng
RT: 23.40 min Scan# 2590
Delta R.T. -0.03 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Instrument :
BNA_N
ClientSampleId :
PST-007-B256-061819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.8	28.2
125	11.0	9.4	14.2

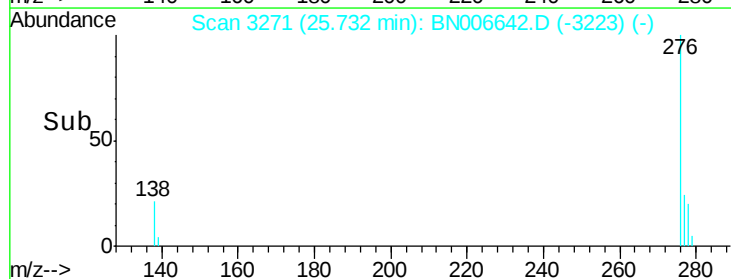
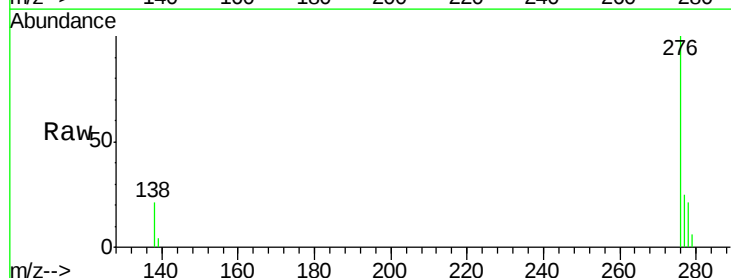
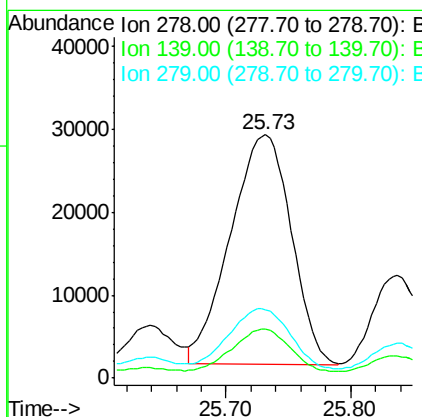
Manual Integrations
APPROVED

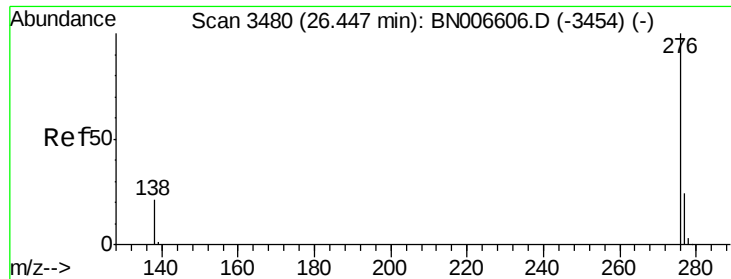
mohammad
7/1/2019 3:08:53 PM



#38
Dibenzo(a,h)anthracene
Concen: 1.241 ng
RT: 25.73 min Scan# 3271
Delta R.T. -0.03 min
Lab File: BN006642.D
Acq: 29 Jun 2019 08:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.5	20.3
279	28.0	19.4	29.2





#39

Benzo(g,h,i)perylene

Concen: 4.656 ng

RT: 26.41 min Scan# 3470

Delta R.T. -0.03 min

Lab File: BN006642.D

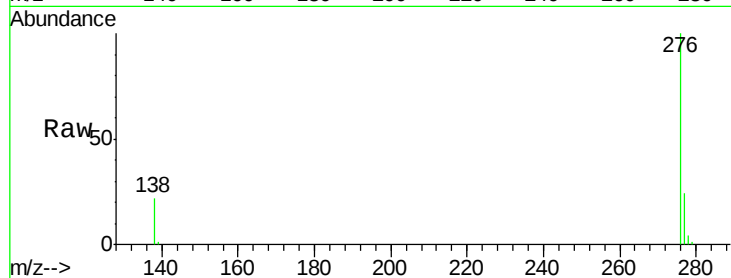
Acq: 29 Jun 2019 08:32

Instrument :

BNA_N

ClientSampleId :

PST-007-B256-061819



Tgt	Ion	276	Resp	352727
Ion	Ratio	Lower	Upper	
276	100			
277	24.3	19.6	29.4	
138	21.6	17.7	26.5	

Manual Integrations
APPROVED

mohammad
7/1/2019 3:08:53 PM

