

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006666.D
 Acq On : 01 Jul 2019 18:12
 Operator : HP/JU
 Sample : K3504-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B199-062019

Manual Integrations
 APPROVED

mohammad
 7/2/2019 2:52:36 PM

Quant Time: Jul 02 05:40:16 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	4338	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	16818	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	9458	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	19939	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	18252	0.40	ng	-0.01
34) Perylene-d12	23.49	264	20501	0.40	ng	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	2802	0.26	ng	0.00
5) Phenol-d6	6.82	99	3766	0.27	ng	0.00
8) Nitrobenzene-d5	8.81	82	2370	0.21	ng	0.01
11) 2-Methylnaphthalene-d10	12.00	152	5975	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	1051	0.24	ng	0.00
15) 2-Fluorobiphenyl	12.88	172	8003	0.23	ng	-0.01
25) Fluoranthene-d10	19.08	212	12398	0.21	ng	0.00
29) Terphenyl-d14	19.68	244	8496	0.22	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	13.99	152	1433	0.032	ng	100
23) Phenanthrene	17.07	178	3522	0.062	ng	97
26) Fluoranthene	19.11	202	9867	0.143	ng	98
28) Pyrene	19.47	202	9637	0.151	ng	96
30) Benzo(a)anthracene	21.24	228	5572	0.093	ng	# 85
31) Chrysene	21.29	228	6166	0.096	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.16	149	5861	0.195	ng	99
33) Indeno(1,2,3-cd)pyrene	25.72	276	3779	0.058	ng	98
35) Benzo(b)fluoranthene	22.83	252	8079	0.116	ng	# 52
36) Benzo(k)fluoranthene	22.86	252	2595m	0.035	ng	
37) Benzo(a)pyrene	23.39	252	5105	0.078	ng	# 46
39) Benzo(a,h,i)perylene	26.41	276	4024	0.071	ng	# 69

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

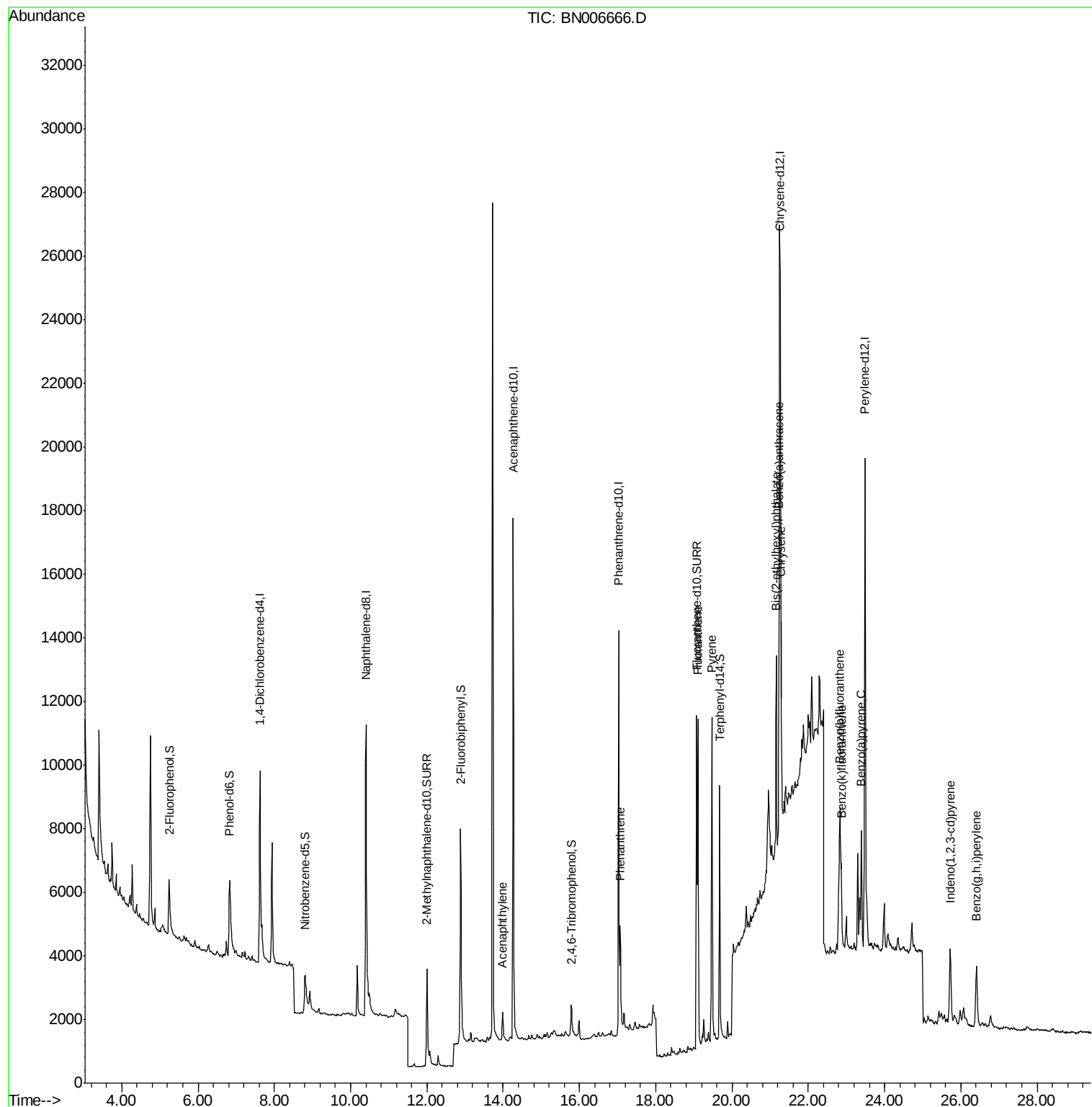
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
Data File : BN006666.D
Acq On : 01 Jul 2019 18:12
Operator : HP/JU
Sample : K3504-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

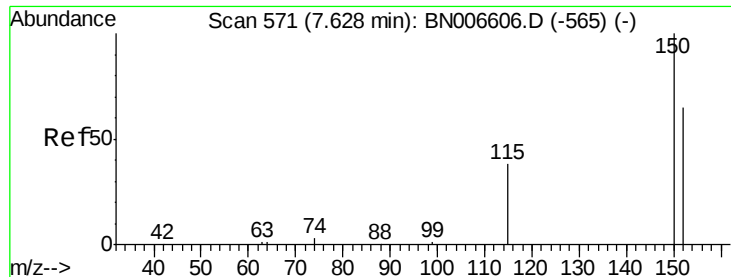
Instrument :
BNA_N
ClientSampleId :
PST-001-B199-062019

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM

Quant Time: Jul 02 05:40:16 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





#1

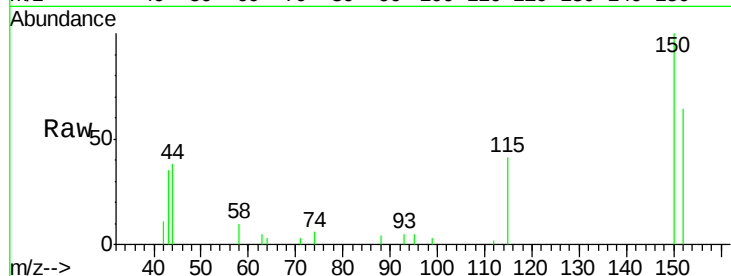
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Instrument :
BNA_N
ClientSampleId :
PST-001-B199-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.2	183.2
115	63.8	50.0	75.0

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM

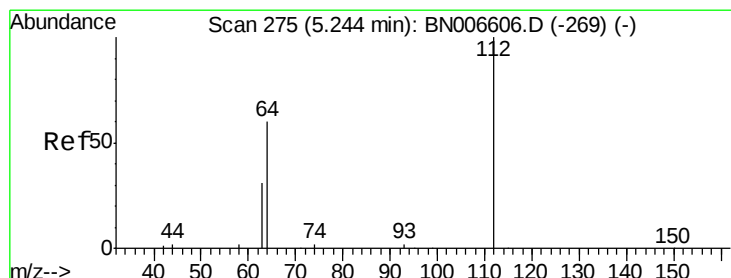
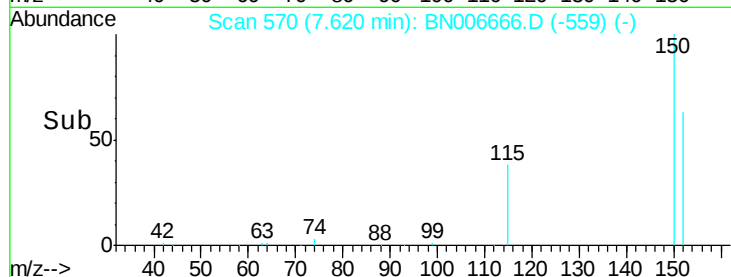
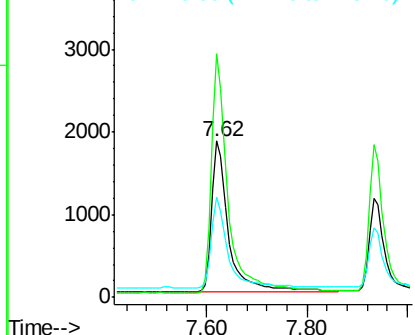


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

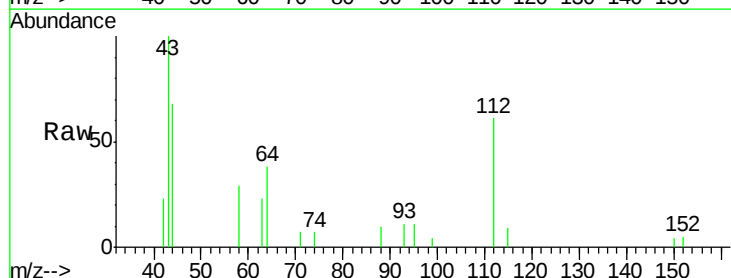
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.263 ng
RT: 5.24 min Scan# 275
Delta R.T. 0.00 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	48.9	73.3
63	32.5	24.3	36.5

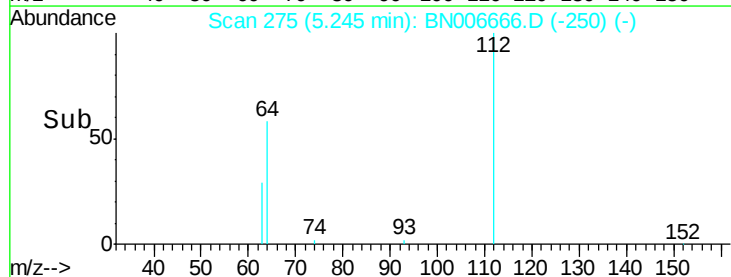
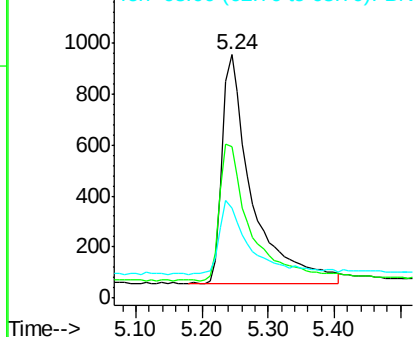


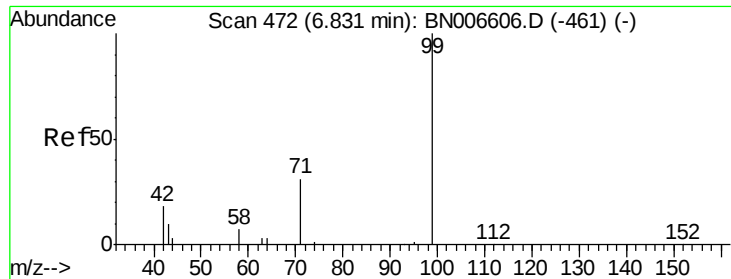
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.267 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Instrument :

BNA_N

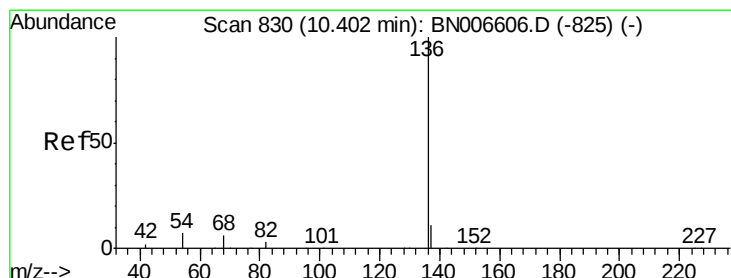
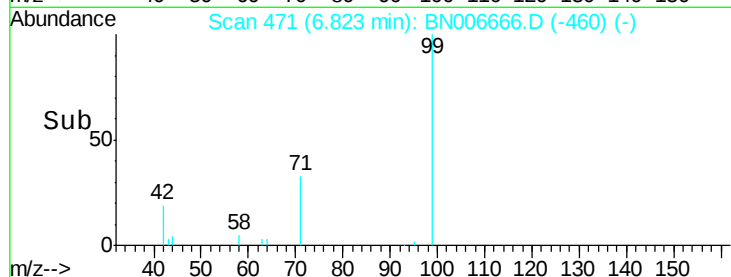
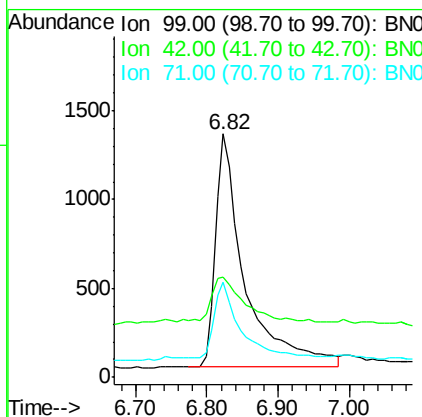
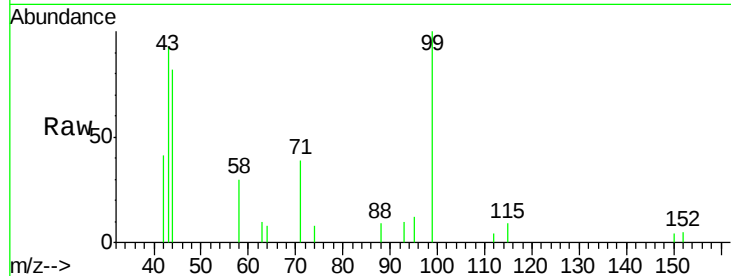
ClientSampleId :

PST-001-B199-062019

Tot Ion:	99	Resp:	3766
Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.4	24.6
71	29.1	26.6	40.0

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM



#7

Naphthalene-d8

Concen: 0.400 ng

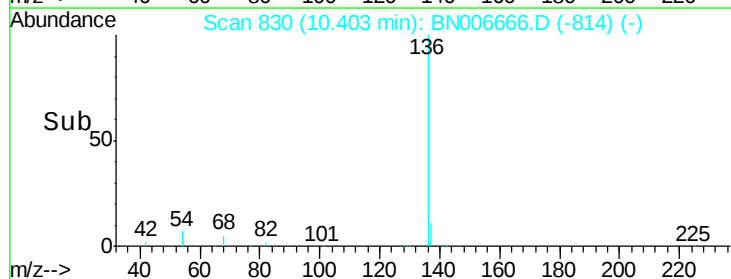
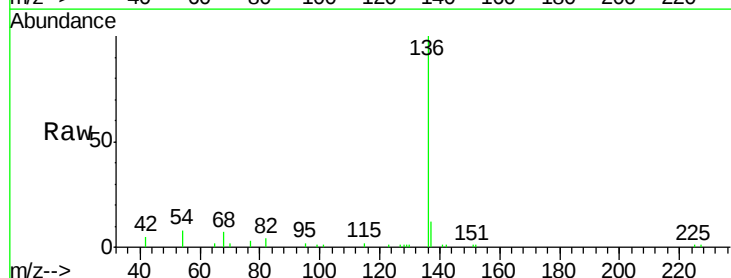
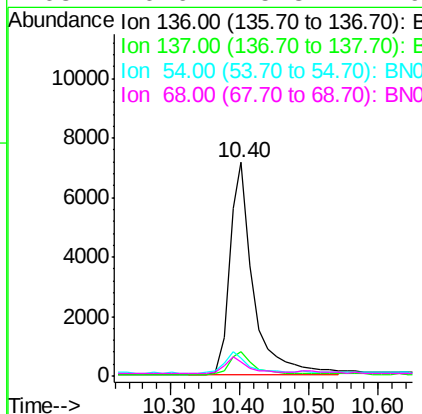
RT: 10.40 min Scan# 830

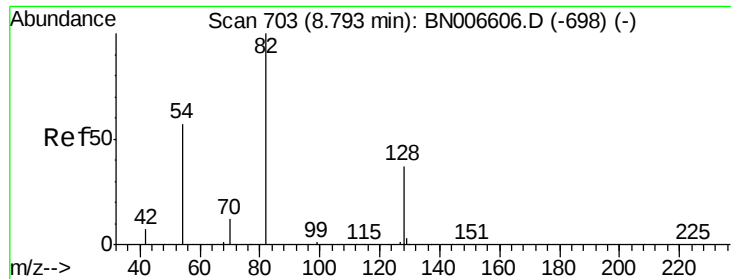
Delta R.T. 0.00 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Tgt Ion:	136	Resp:	16818
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	8.2	6.7	10.1
68	6.6	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.210 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Instrument :

BNA_N

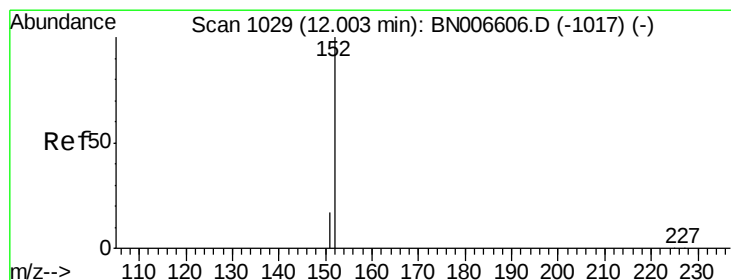
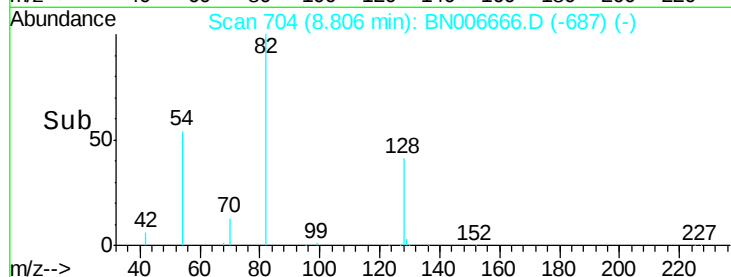
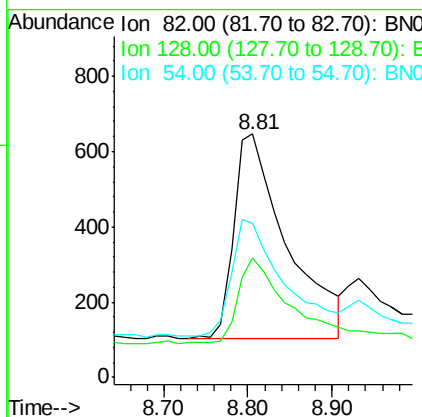
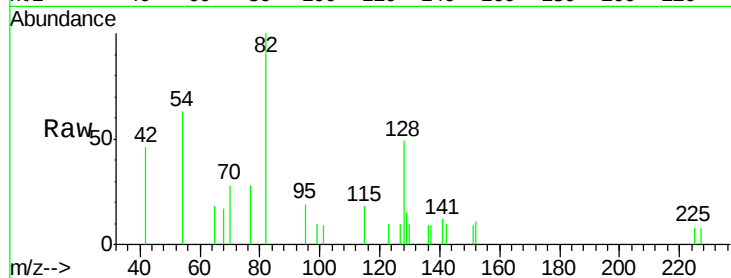
ClientSampleId :

PST-001-B199-062019

Tot Ion:	82	Resp:	2370
Ion Ratio	Lower	Upper	
82	100		
128	49.0	32.6	49.0#
54	63.1	48.2	72.4

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM



#11

2-Methylnaphthalene-d10

Concen: 0.226 ng

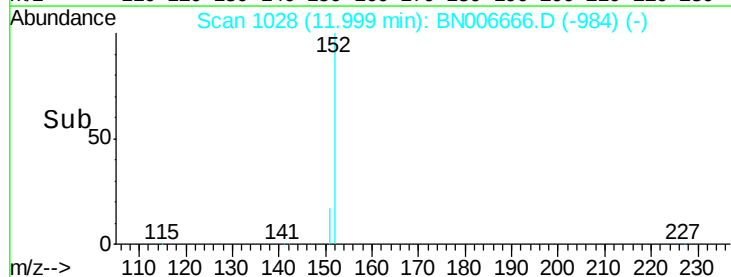
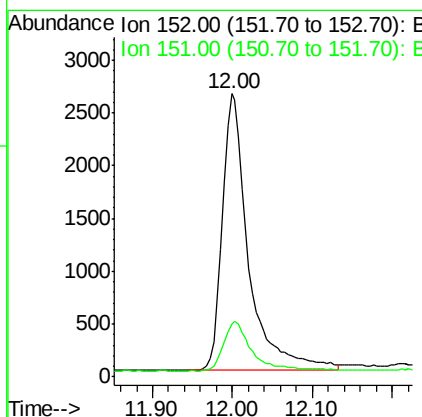
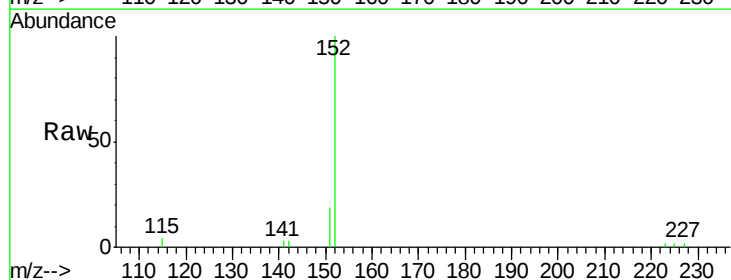
RT: 12.00 min Scan# 1028

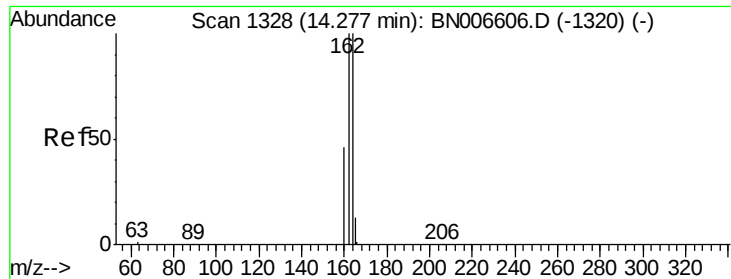
Delta R.T. -0.00 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Tgt Ion:	152	Resp:	5975
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.0	22.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Instrument :

BNA_N

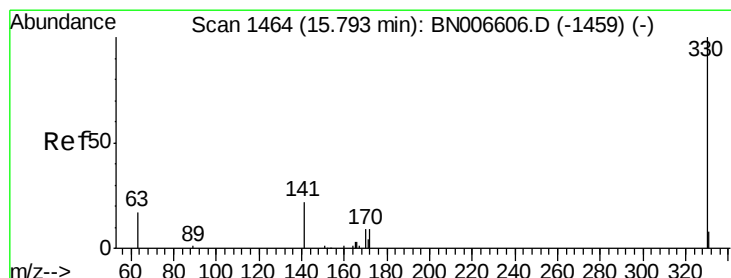
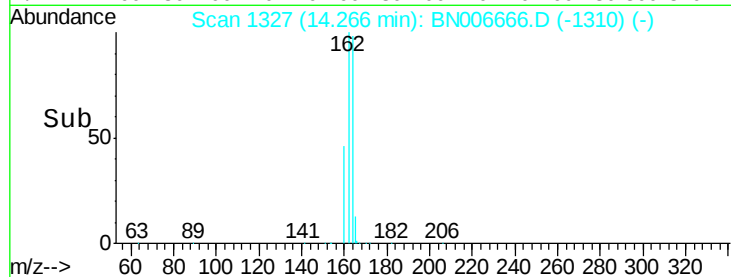
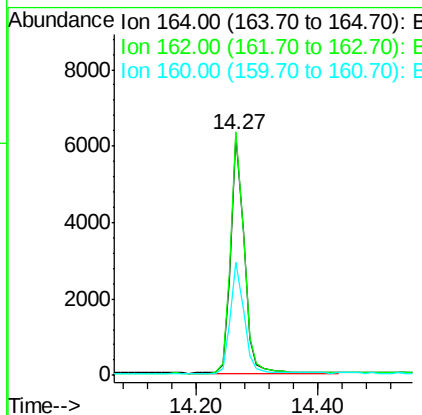
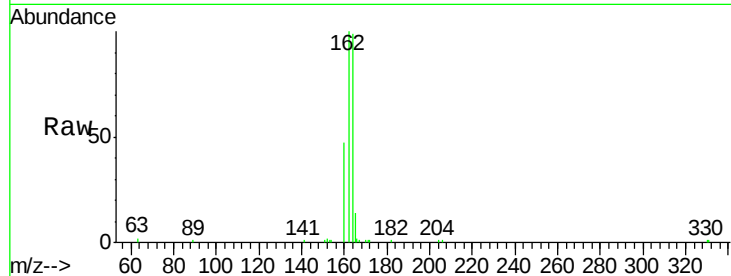
ClientSampleId :

PST-001-B199-062019

Tot Ion:	164	Resp:	9458
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.0	120.0
160	47.2	37.0	55.4

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM



#14

2,4,6-Tribromophenol

Concen: 0.236 ng

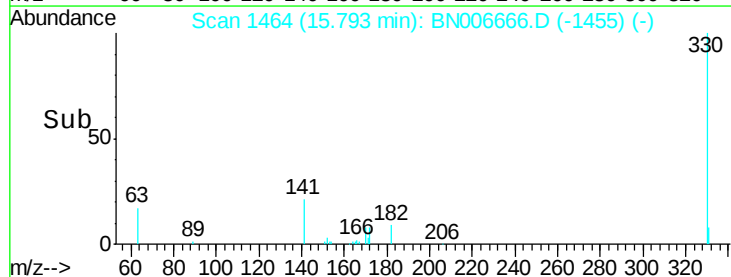
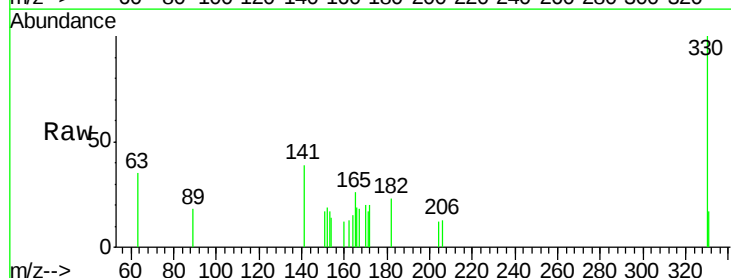
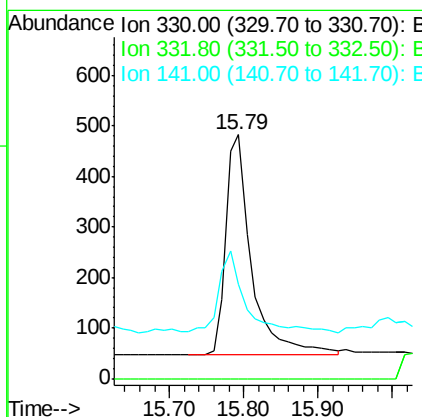
RT: 15.79 min Scan# 1464

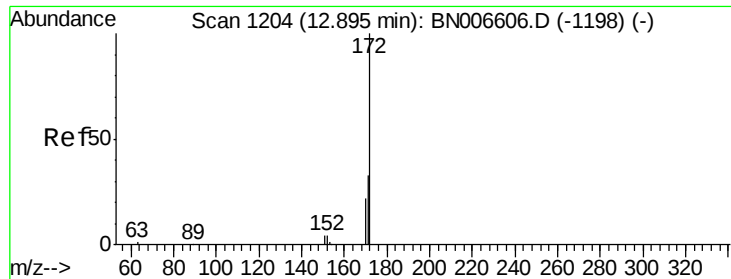
Delta R.T. 0.00 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Tgt Ion:	330	Resp:	1051
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.8	26.5	39.7





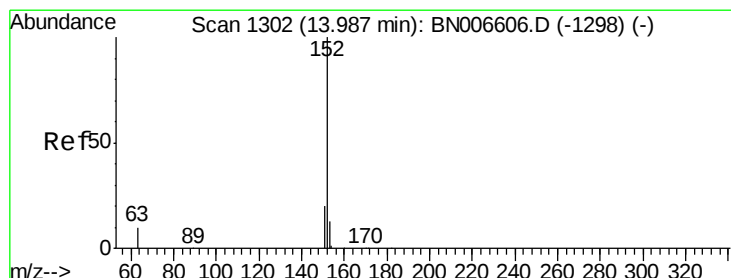
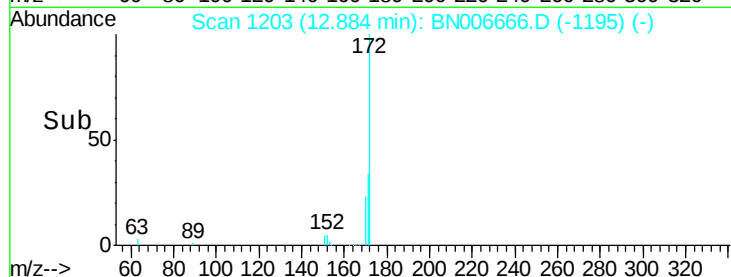
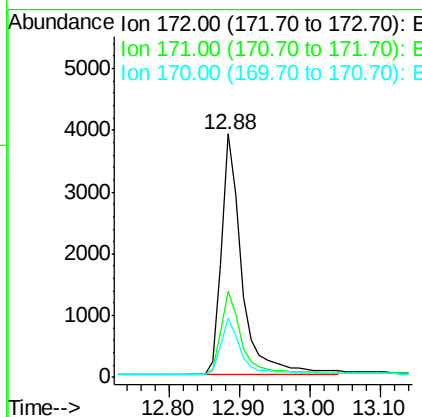
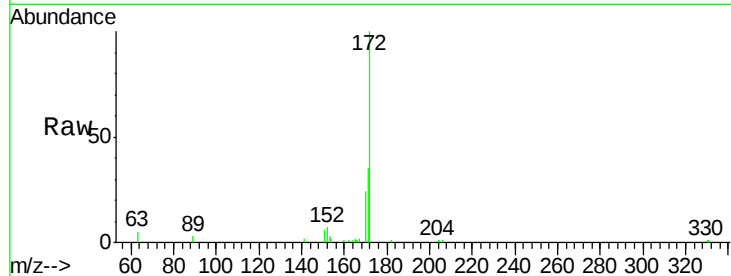
#15
2-Fluorobiphenyl
Concen: 0.228 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Instrument :
BNA_N
ClientSampleId :
PST-001-B199-062019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.0	40.4
170	24.3	17.7	26.5

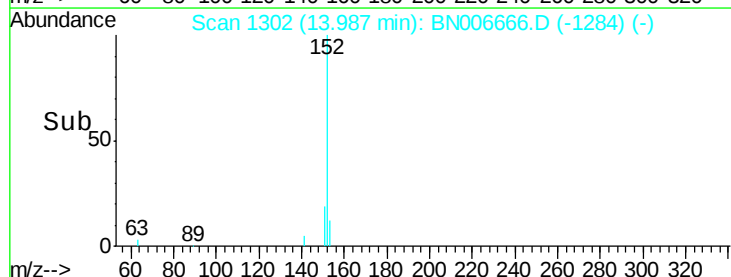
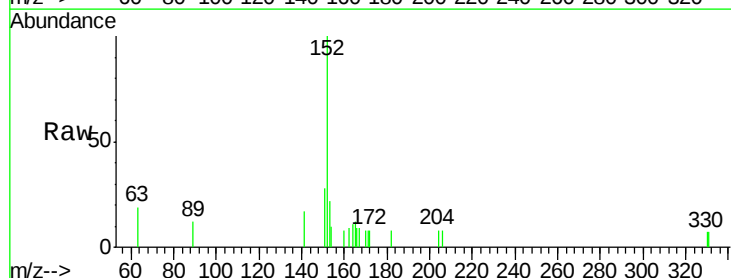
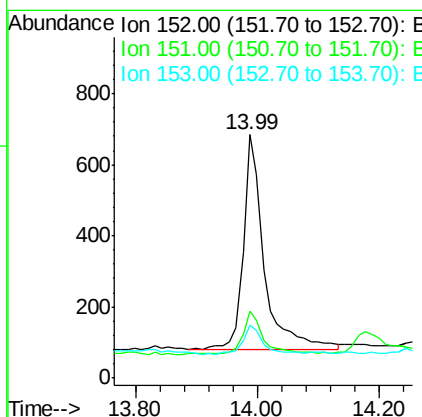
Manual Integrations
APPROVED

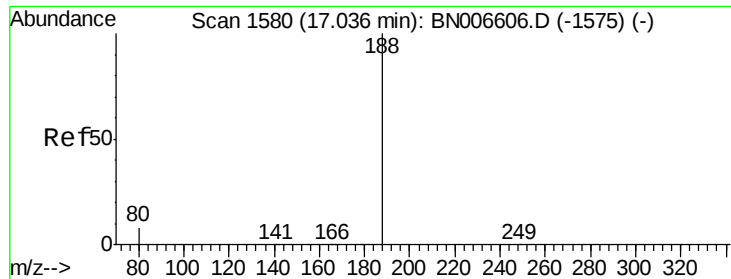
mohammad
7/2/2019 2:52:36 PM



#16
Acenaphthylene
Concen: 0.032 ng
RT: 13.99 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.6	23.4
153	13.2	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Instrument :

BNA_N

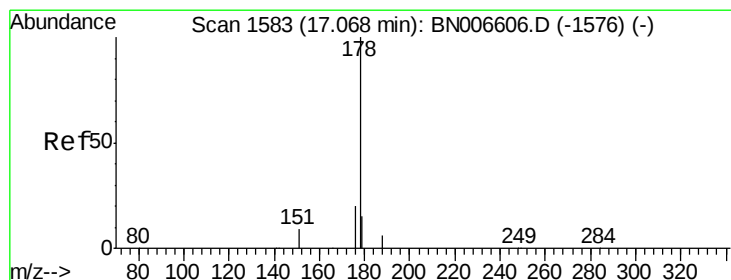
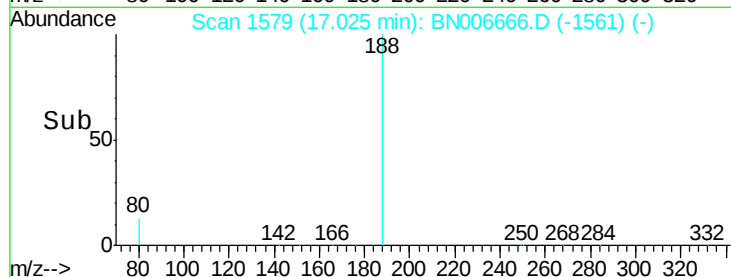
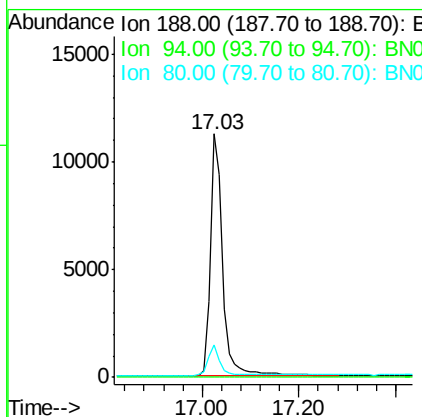
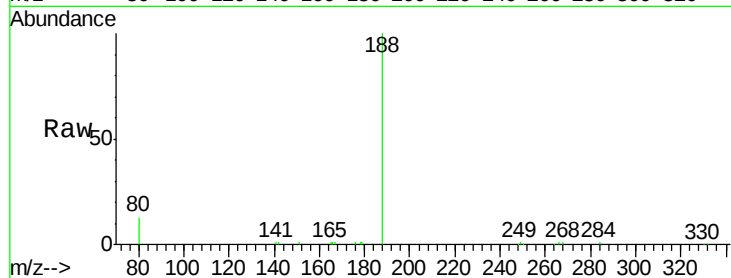
ClientSampleId :

PST-001-B199-062019

Tot Ion:	188	Resp:	19939
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.5	7.1	10.7#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM



#23

Phenanthrene

Concen: 0.062 ng

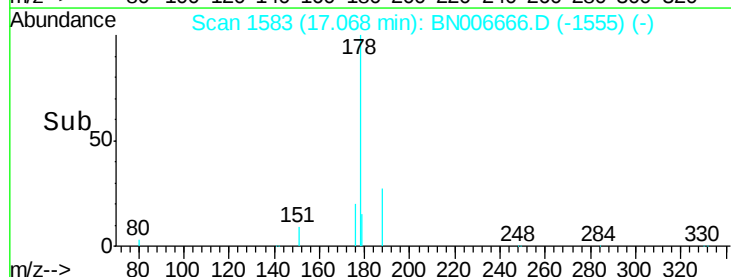
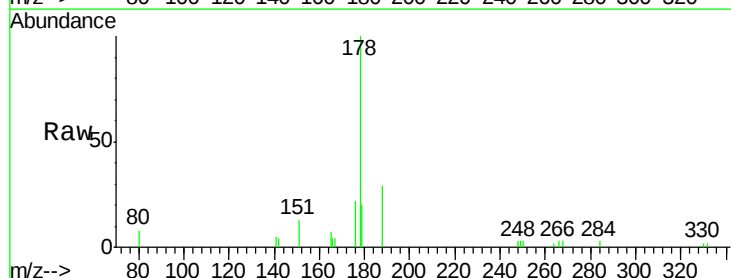
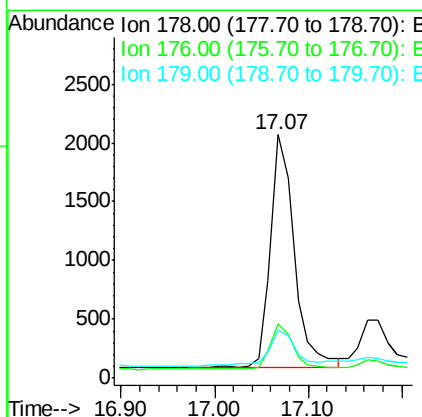
RT: 17.07 min Scan# 1583

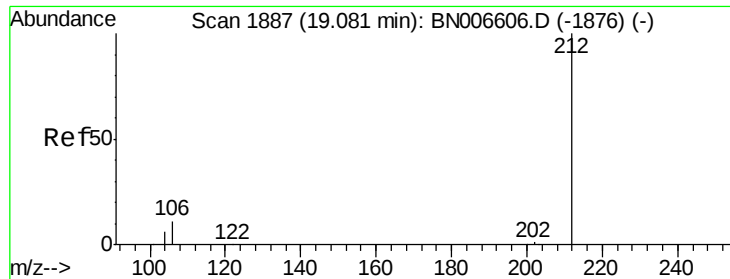
Delta R.T. 0.00 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Tgt Ion:	178	Resp:	3522
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.3	22.9
179	17.6	12.2	18.4





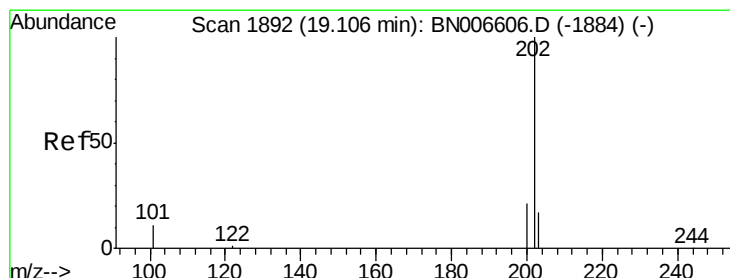
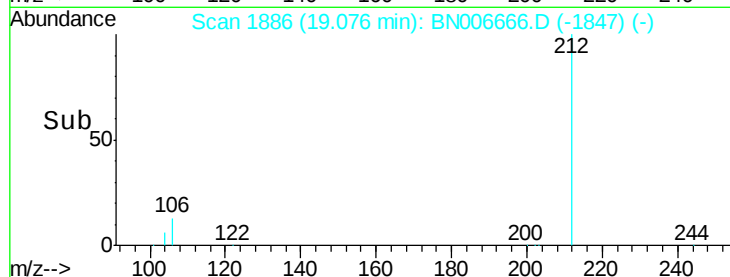
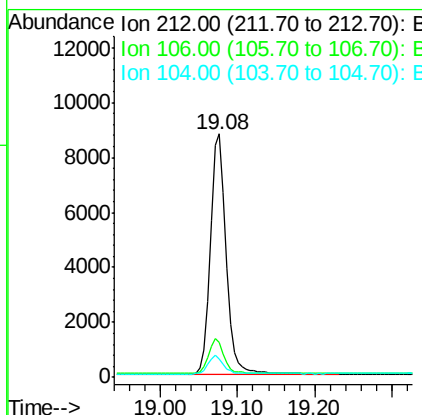
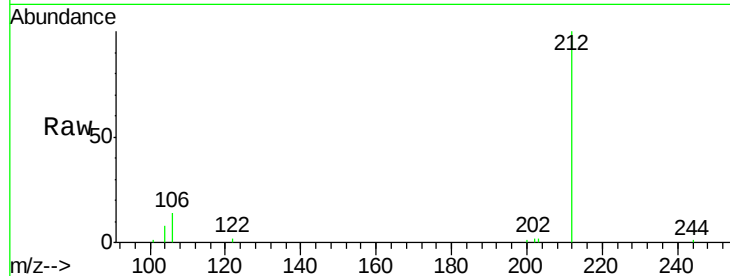
#25
Fluoranthene-d10
Concen: 0.212 ng
RT: 19.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Instrument :
BNA_N
ClientSampleId :
PST-001-B199-062019

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

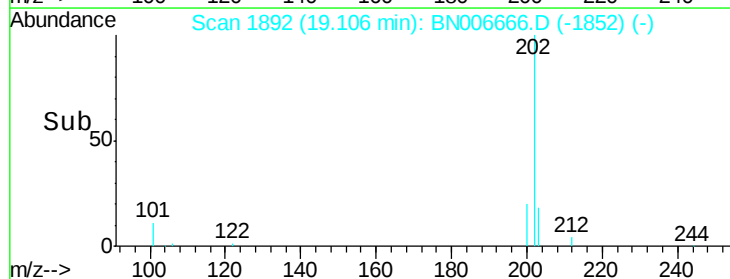
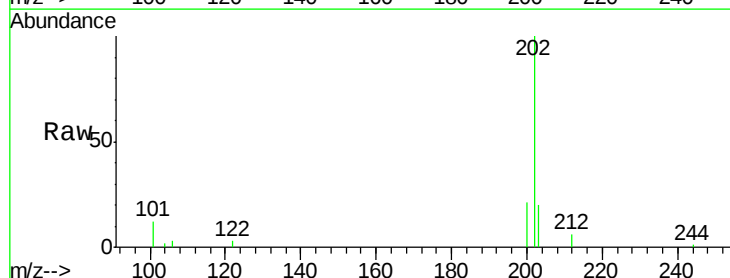
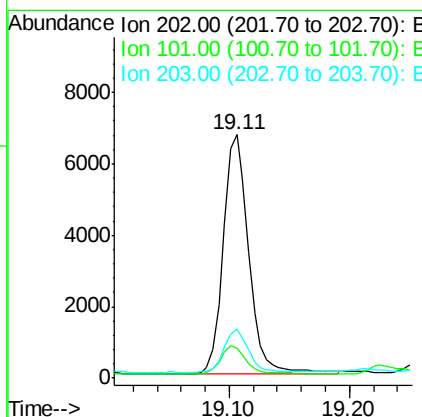
Manual Integrations
APPROVED

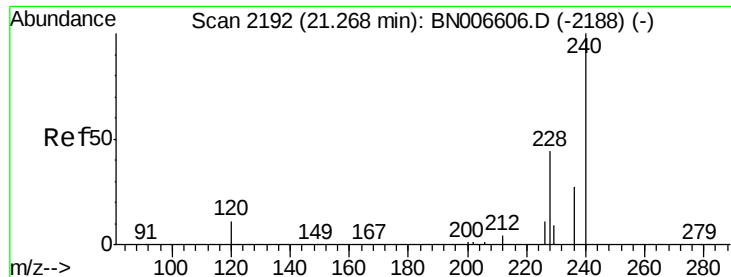
mohammad
7/2/2019 2:52:36 PM



#26
Fluoranthene
Concen: 0.143 ng
RT: 19.11 min Scan# 1892
Delta R.T. 0.00 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	8.9	13.3
203	17.1	13.6	20.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Instrument :

BNA_N

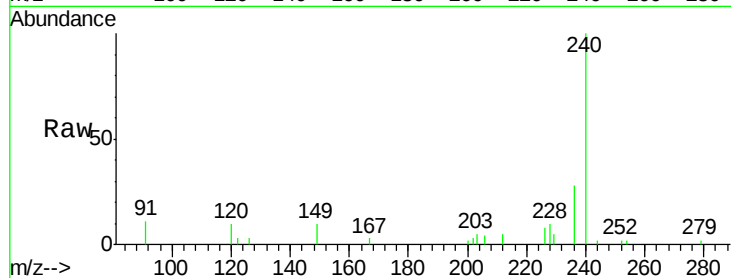
ClientSampleId :

PST-001-B199-062019

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.9	14.9#
236	27.9	22.2	33.4

Manual Integrations
APPROVED

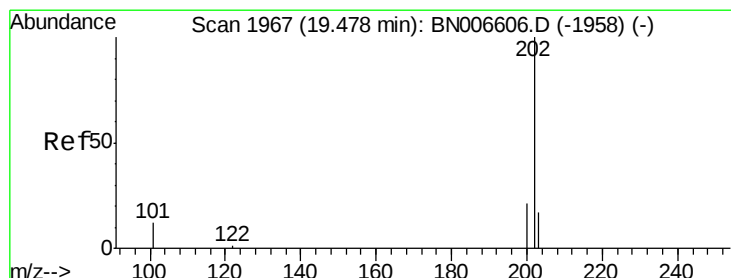
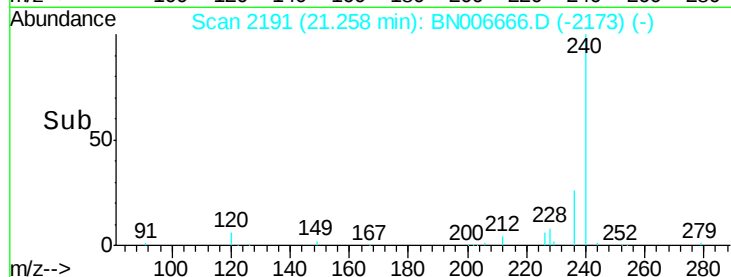
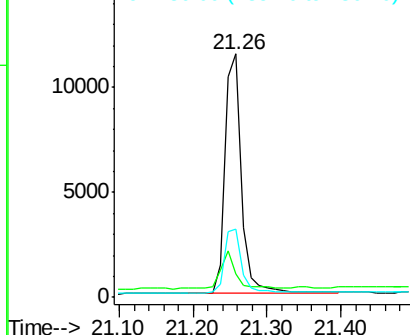
mohammad
7/2/2019 2:52:36 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.151 ng

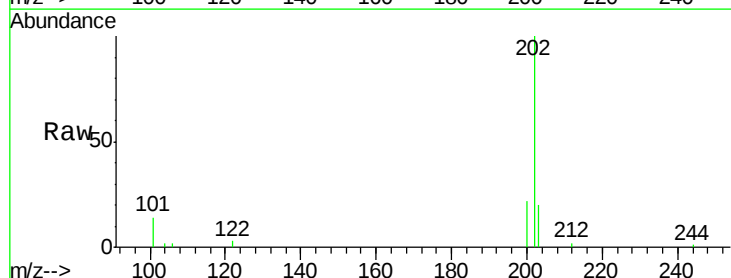
RT: 19.47 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

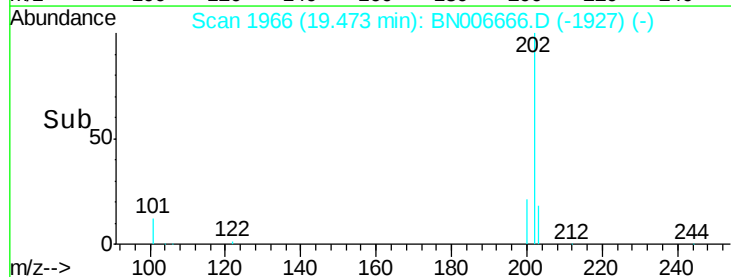
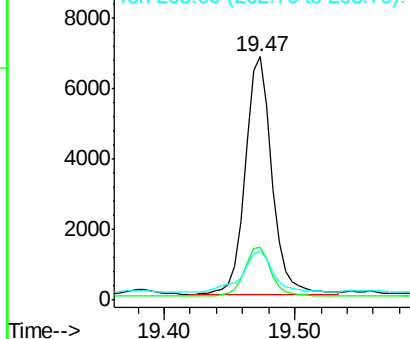
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	21.0	14.1	21.1

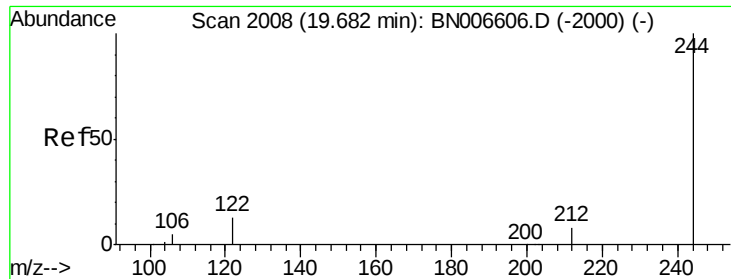


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





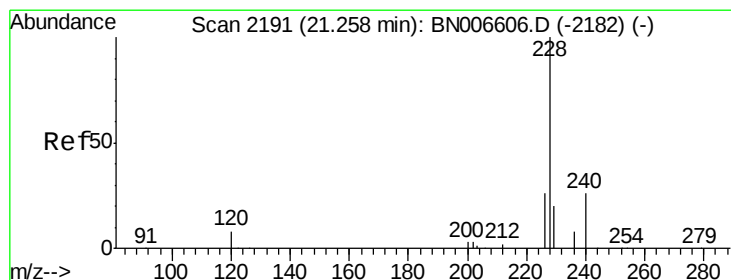
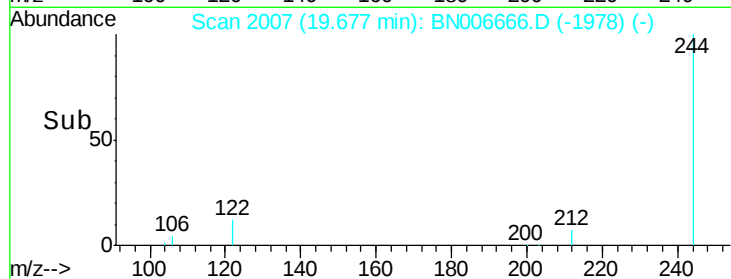
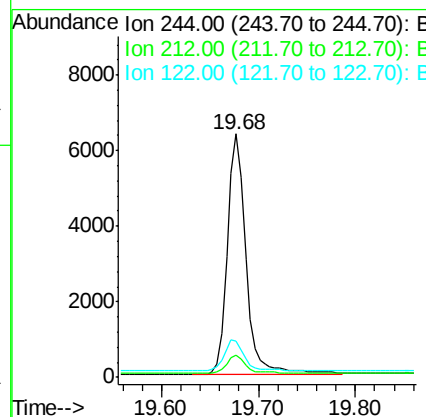
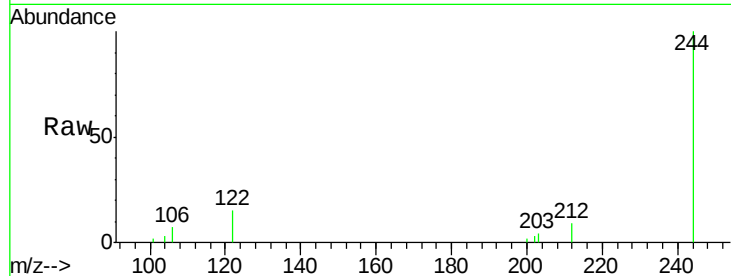
#29
 Terphenyl-d14
 Concen: 0.222 ng
 RT: 19.68 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: BN006666.D
 Acq: 01 Jul 2019 18:12

Instrument :
 BNA_N
 ClientSampleId :
 PST-001-B199-062019

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.7	10.1
122	15.0	11.0	16.6

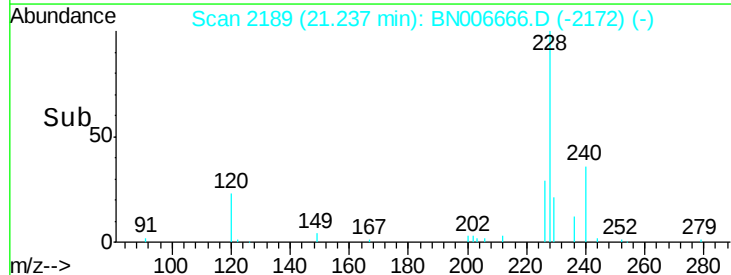
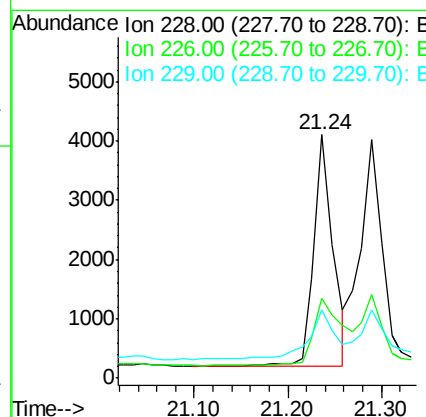
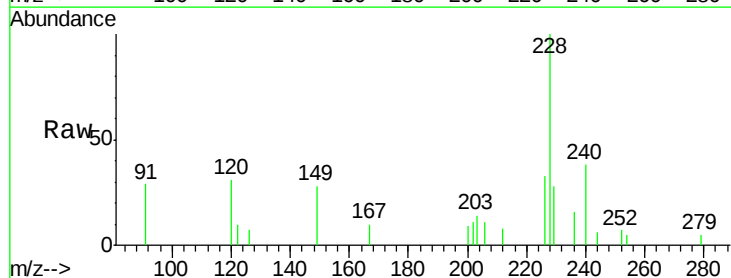
Manual Integrations
 APPROVED

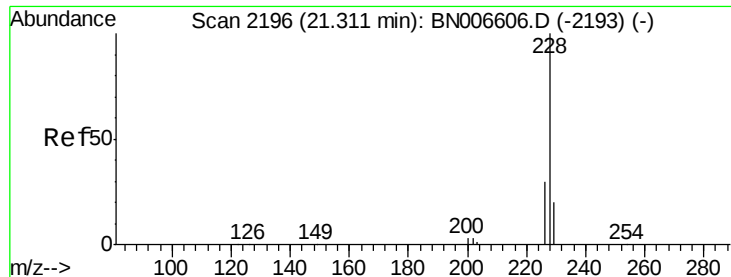
mohammad
 7/2/2019 2:52:36 PM



#30
 Benzo(a)anthracene
 Concen: 0.093 ng
 RT: 21.24 min Scan# 2189
 Delta R.T. -0.02 min
 Lab File: BN006666.D
 Acq: 01 Jul 2019 18:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	21.2	31.8#
229	28.0	16.1	24.1#





#31

Chrysene

Concen: 0.096 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Instrument :

BNA_N

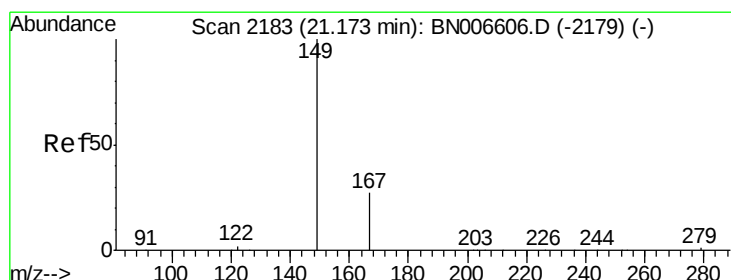
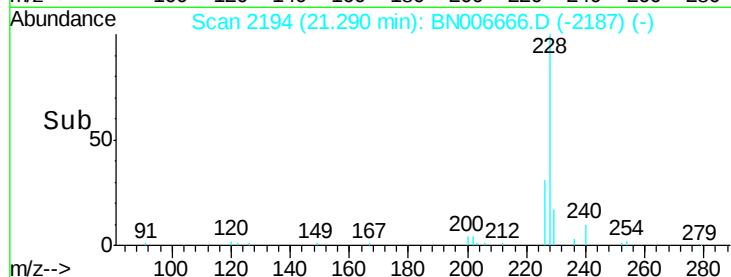
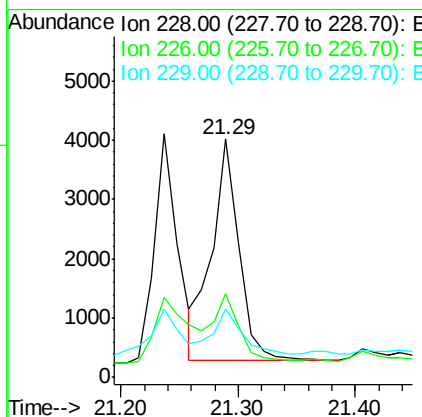
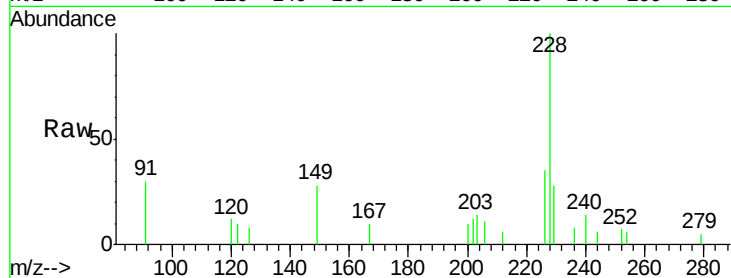
ClientSampleId :

PST-001-B199-062019

Tot Ion:	228	Resp:	6166
Ion	Ratio	Lower	Upper
228	100		
226	35.2	23.8	35.6
229	28.5	15.9	23.9

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.195 ng

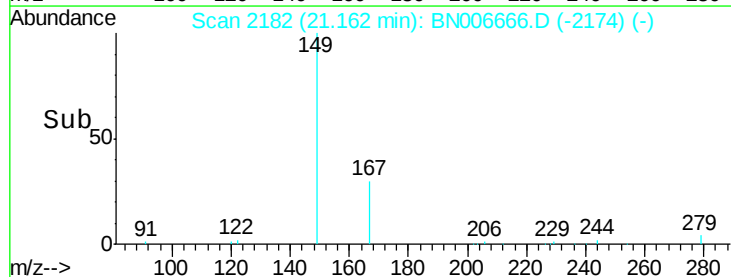
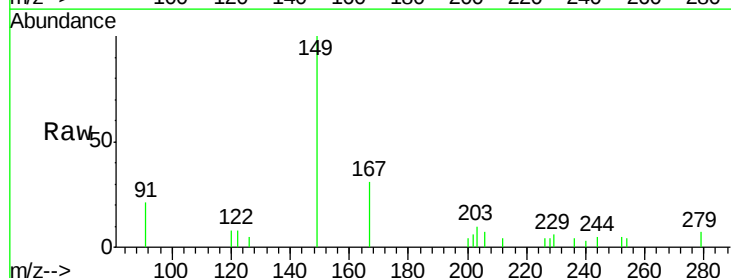
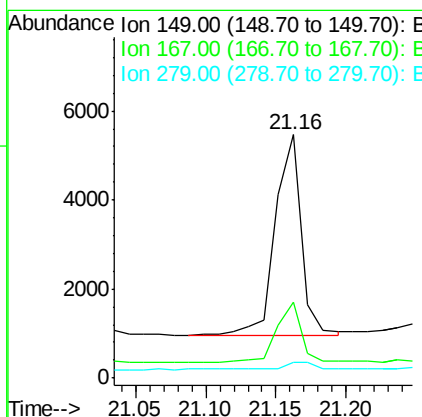
RT: 21.16 min Scan# 2182

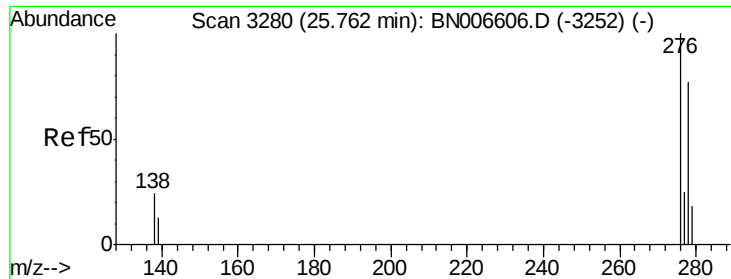
Delta R.T. -0.01 min

Lab File: BN006666.D

Acq: 01 Jul 2019 18:12

Tgt Ion:	149	Resp:	5861
Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.9	34.3
279	4.6	3.3	4.9





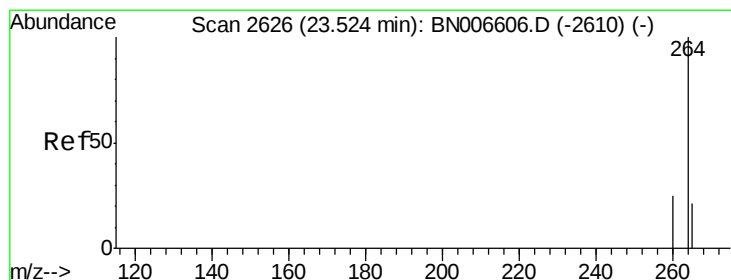
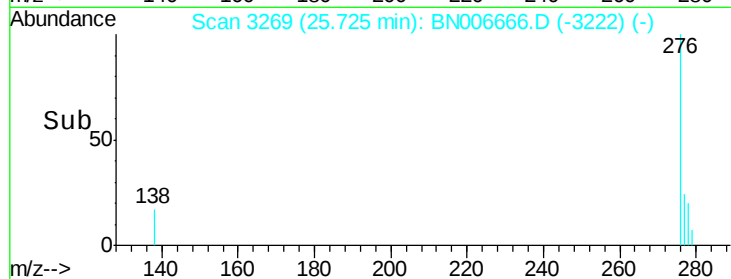
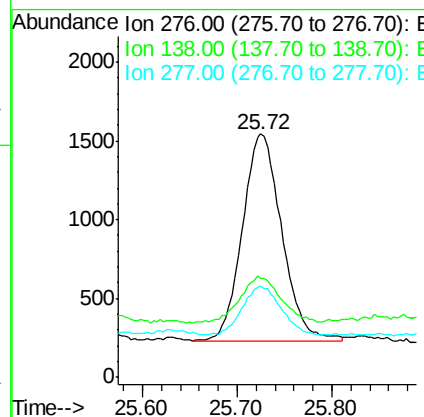
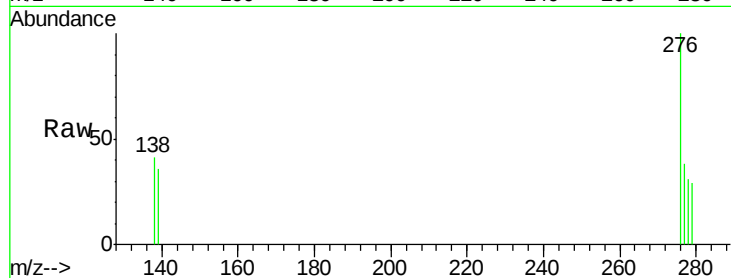
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.058 ng
RT: 25.72 min Scan# 3269
Delta R.T. -0.04 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Instrument :
BNA_N
ClientSampleId :
PST-001-B199-062019

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.3	28.9
277	23.4	19.9	29.9

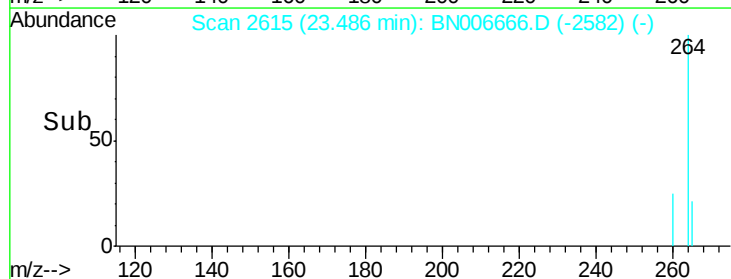
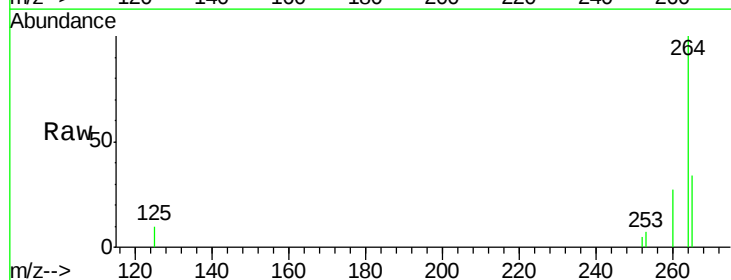
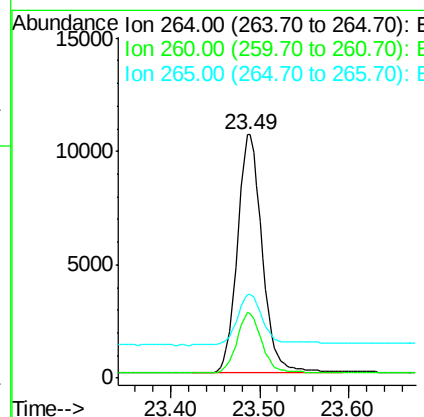
Manual Integrations
APPROVED

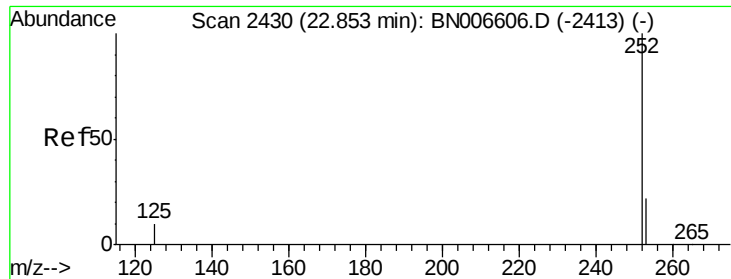
mohammad
7/2/2019 2:52:36 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2615
Delta R.T. -0.04 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.2	30.2
265	34.1	23.3	34.9





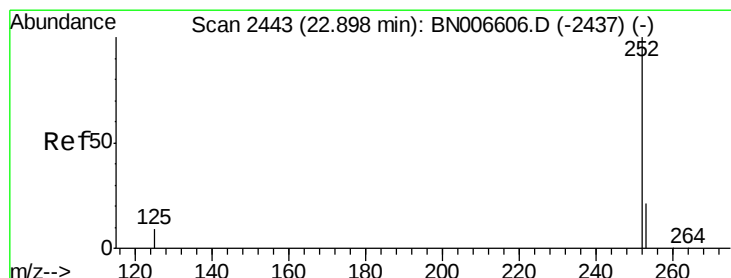
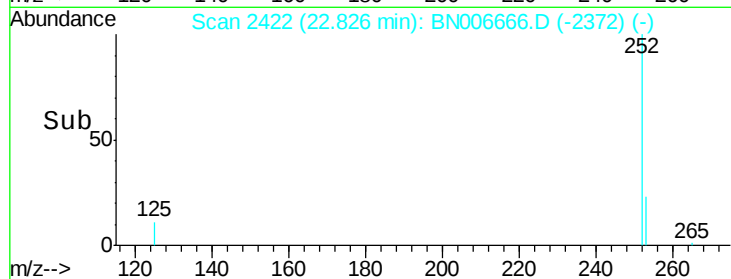
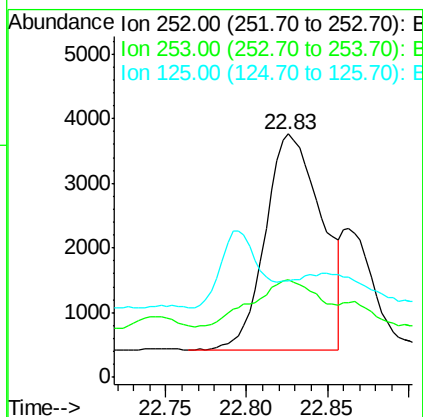
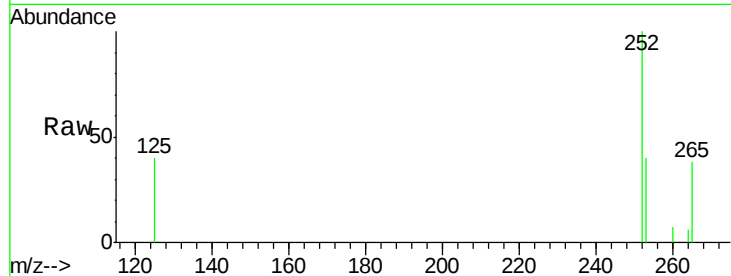
#35
Benzo(b)fluoranthene
Concen: 0.116 ng
RT: 22.83 min Scan# 2422
Delta R.T. -0.03 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Instrument :
BNA_N
ClientSampleId :
PST-001-B199-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.0	18.4	27.6#
125	39.7	8.7	13.1#

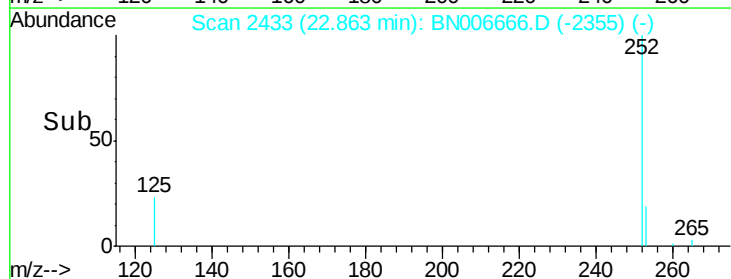
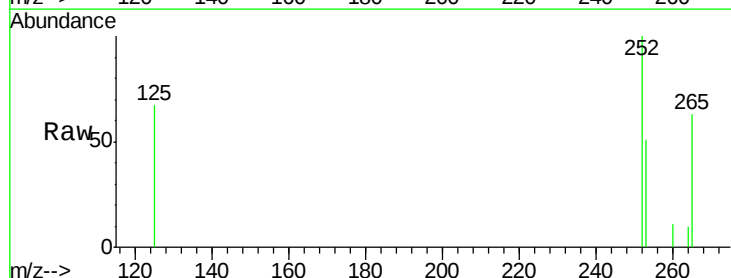
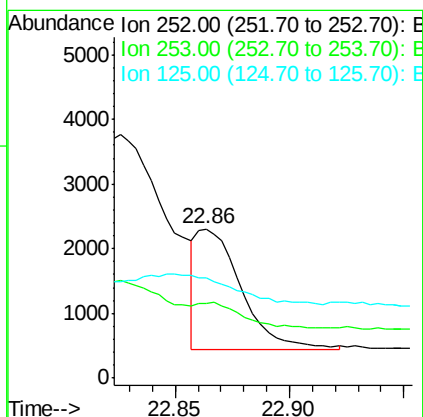
Manual Integrations
APPROVED

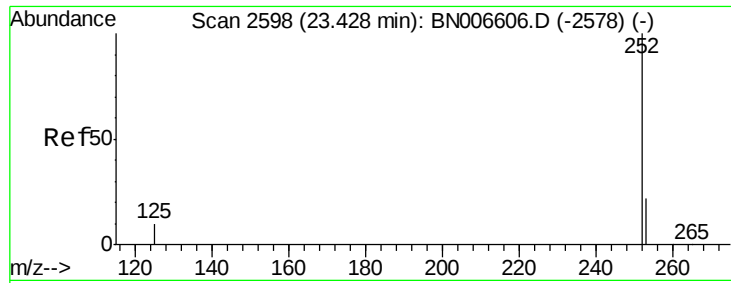
mohammad
7/2/2019 2:52:36 PM



#36
Benzo(k)fluoranthene
Concen: 0.035 ng m
RT: 22.86 min Scan# 2433
Delta R.T. -0.03 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	50.6	18.3	27.5#
125	67.0	8.4	12.6#





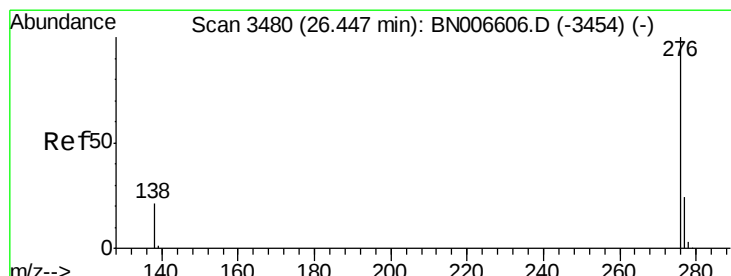
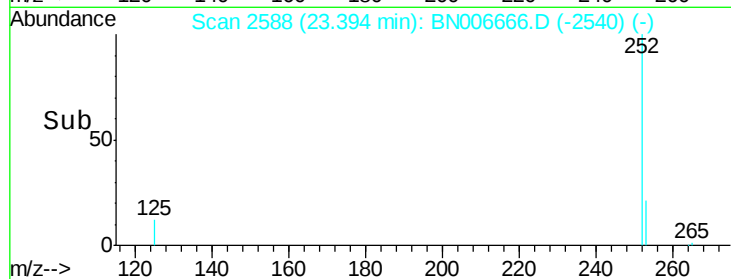
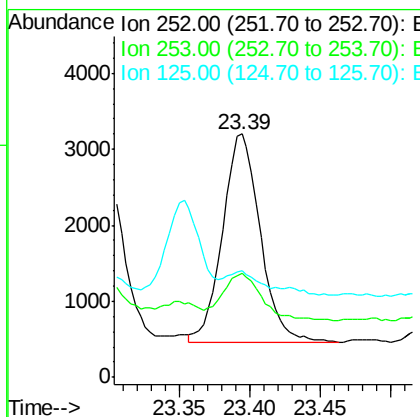
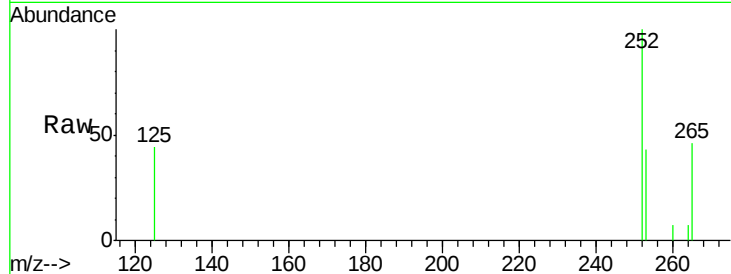
#37
Benzo(a)pyrene
Concen: 0.078 ng
RT: 23.39 min Scan# 2588
Delta R.T. -0.03 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Instrument :
BNA_N
ClientSampleId :
PST-001-B199-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	42.9	18.8	28.2#
125	43.9	9.4	14.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:36 PM



#39
Benzo(g,h,i)perylene
Concen: 0.071 ng
RT: 26.41 min Scan# 3470
Delta R.T. -0.03 min
Lab File: BN006666.D
Acq: 01 Jul 2019 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	37.0	19.6	29.4#
138	39.8	17.7	26.5#

