

Data File : BN007193.D
Acq On : 15 Aug 2019 13:09
Operator : HP/JU
Sample : K4173-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM

Quant Time: Aug 16 06:48:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	12026	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	47354	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	27435	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	63775	0.40	ng	0.00
26) Chrysene-d12	21.05	240	60499	0.40	ng	-0.01
32) Perylene-d12	23.16	264	70289	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	3313	0.11	ng	0.00
4) Phenol-d6	6.61	99	4413	0.12	ng	0.00
7) Nitrobenzene-d5	8.55	82	3663	0.10	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	7974	0.09	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1313	0.09	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1060	0.03	ng	0.00
24) Fluoranthene-d10	18.87	212	19755	0.09	ng	0.00
28) Terphenyl-d14	19.49	244	14833	0.09	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.22	128	16617	0.125	ng	99
11) 2-Methylnaphthalene	11.86	142	12660	0.135	ng	96
15) Acenaphthylene	13.79	152	126483	0.882	ng	99
16) Acenaphthene	14.13	154	7221	0.079	ng	95
17) Fluorene	15.12	166	25870	0.188	ng	# 81
22) Phenanthrene	16.87	178	467052	2.444	ng	100
23) Anthracene	16.95	178	94058	0.539	ng	98
25) Fluoranthene	18.90	202	776849	3.177	ng	99
27) Pyrene	19.26	202	947947	4.468	ng	98
29) Benzo(a)anthracene	21.02	228	458952m	2.074	ng	
30) Chrysene	21.08	228	524647	2.441	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	302399	1.276	ng	99
33) Benzo(b)fluoranthene	22.54	252	576464	2.392	ng	99
34) Benzo(k)fluoranthene	22.57	252	185343m	0.779	ng	
35) Benzo(a)pyrene	23.07	252	431524	1.975	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	81208	0.372	ng	# 87
37) Benzo(g,h,i)perylene	25.86	276	325103	1.450	ng	99

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

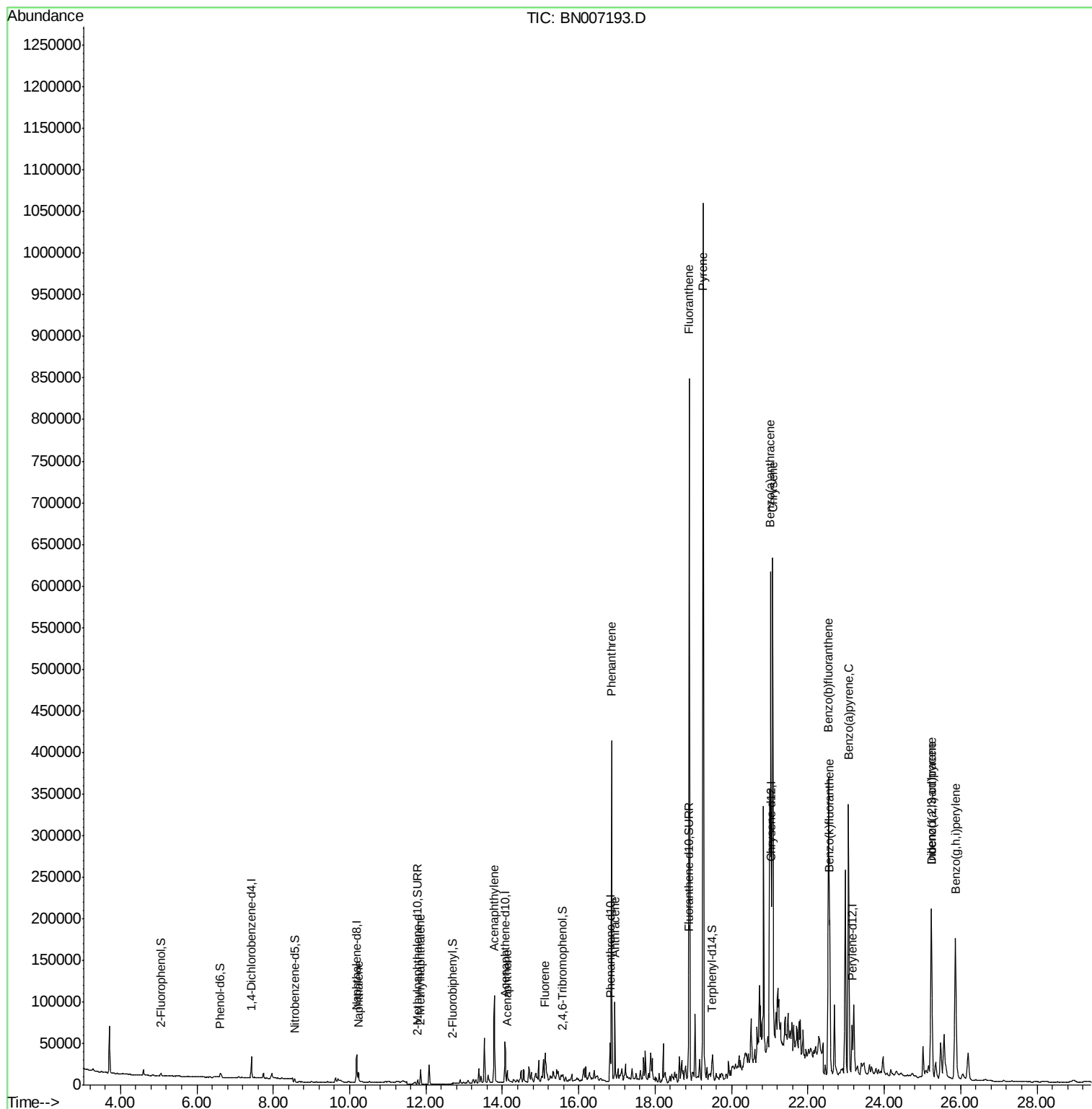
Data File : BN007193.D
Acq On : 15 Aug 2019 13:09
Operator : HP/JU
Sample : K4173-06DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM

Quant Time: Aug 16 06:48:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration





#1

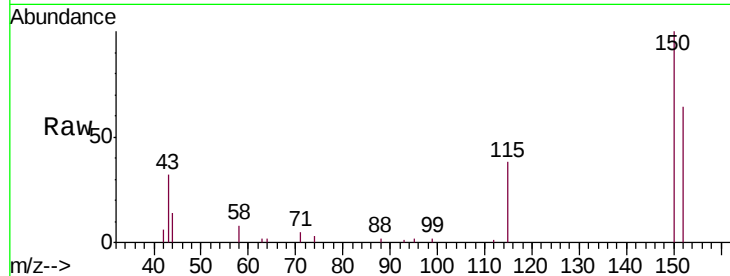
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	121.7	182.5
115	58.6	46.2	69.4

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM

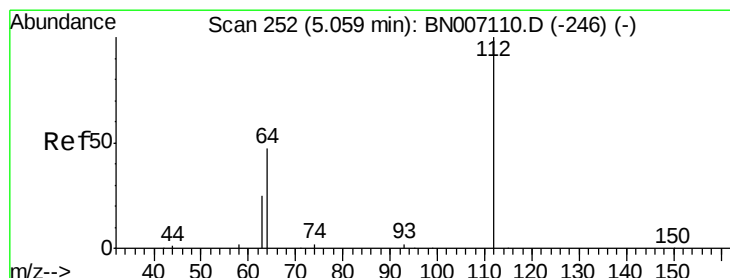
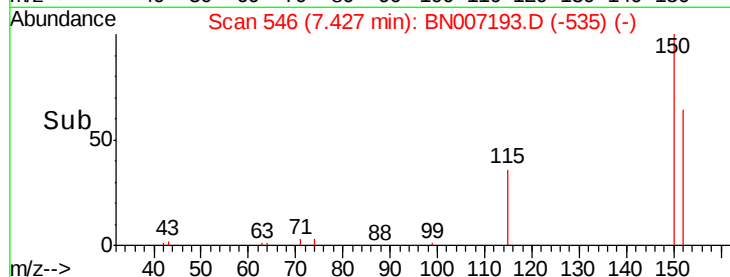
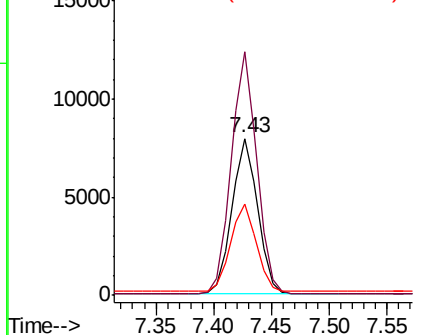


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

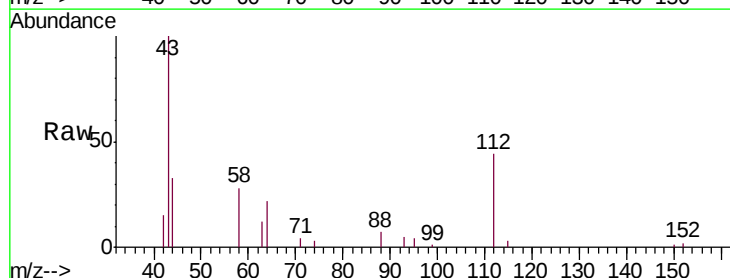
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.115 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.6	63.8
63	27.6	22.2	33.2

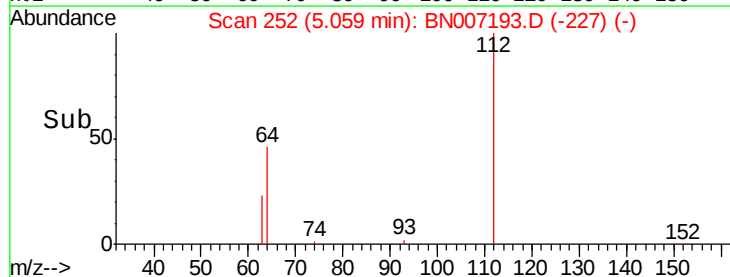
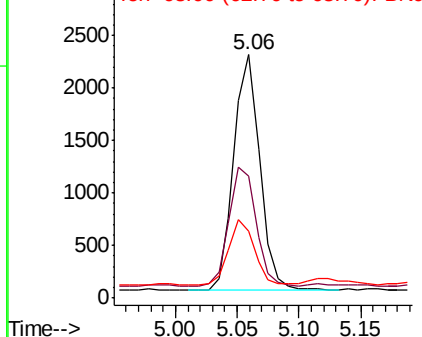


Abundance

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





#4

Phenol-d6

Concen: 0.123 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Instrument :

BNA_N

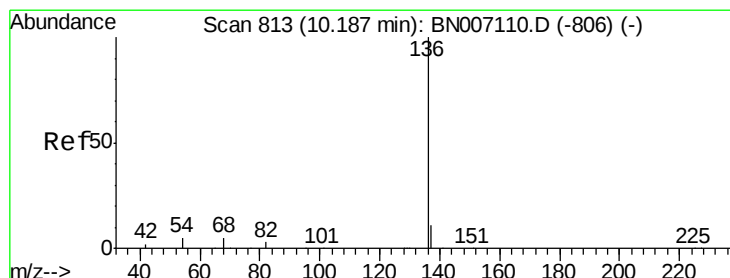
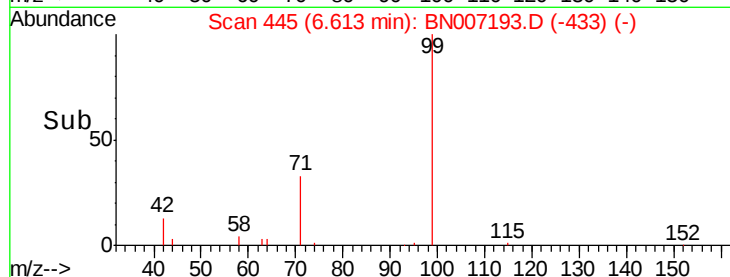
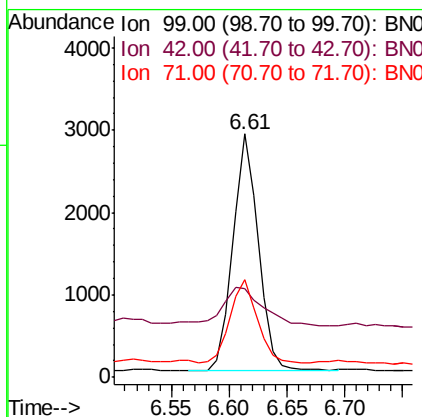
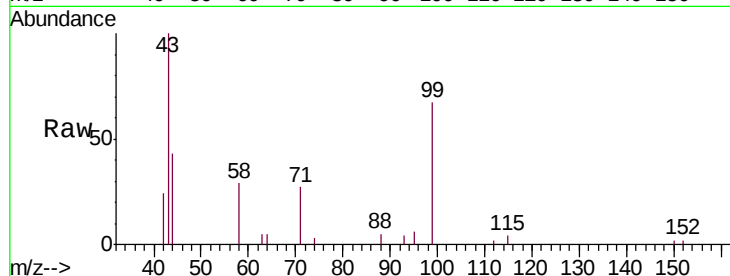
ClientSampleId :

PST-016-B054-073119DL

Tgt Ion:	99	Resp:	4413
Ion Ratio	Lower	Upper	
99	100		
42	26.3	15.8	23.6#
71	37.0	27.0	40.4

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#6

Naphthalene-d8

Concen: 0.400 ng

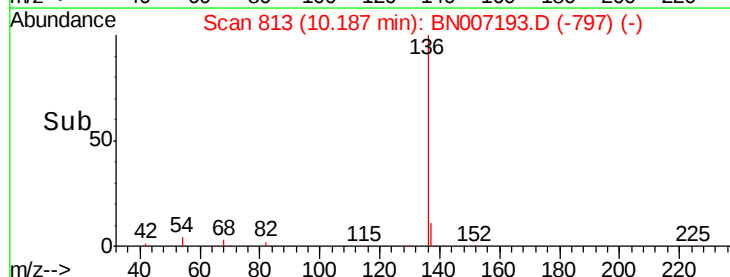
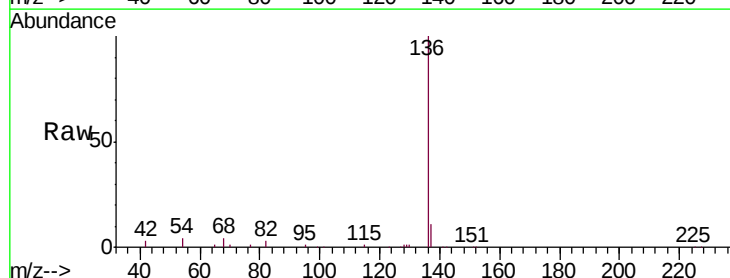
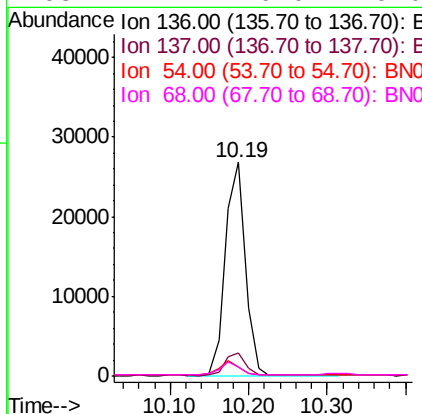
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Tgt Ion:	136	Resp:	47354
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.4	14.0
54	4.4	6.6	9.8#
68	4.2	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.096 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Instrument :

BNA_N

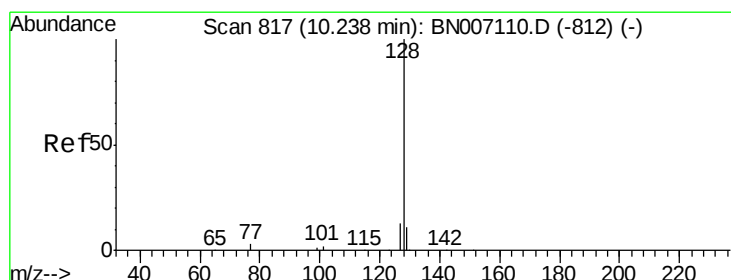
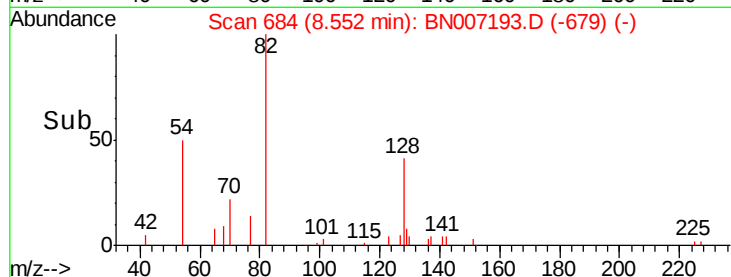
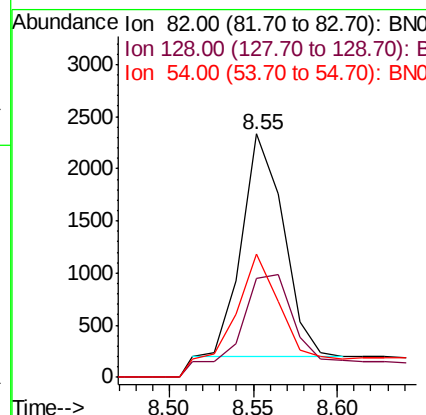
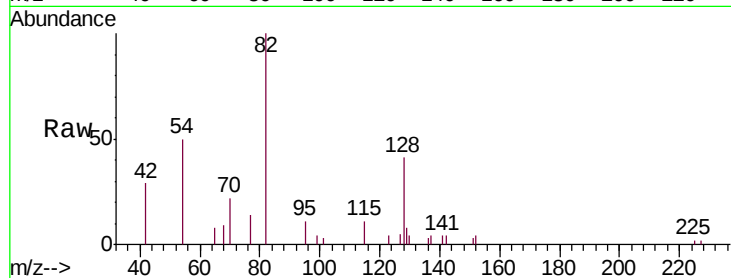
ClientSampleId :

PST-016-B054-073119DL

Tgt Ion:	82	Resp:	3663
Ion Ratio	Lower	Upper	
82	100		
128	40.7	34.6	51.8
54	50.4	36.2	54.4

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#8

Naphthalene

Concen: 0.125 ng

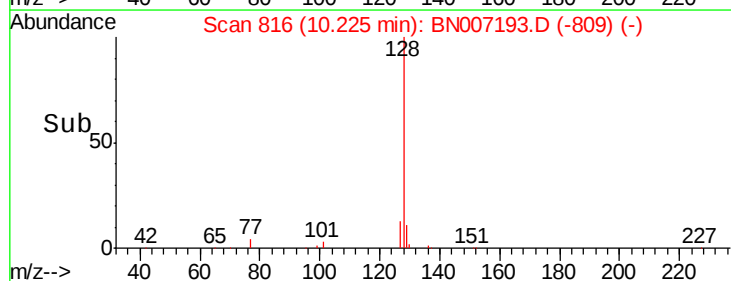
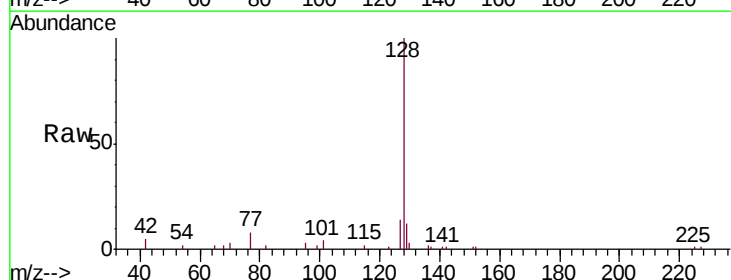
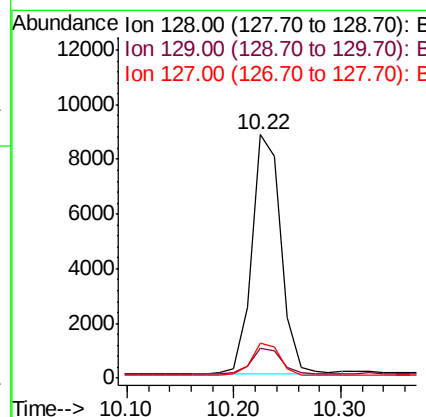
RT: 10.22 min Scan# 816

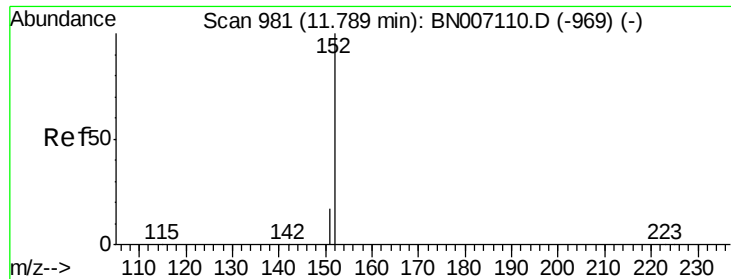
Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Tgt Ion:	128	Resp:	16617
Ion Ratio	Lower	Upper	
128	100		
129	12.4	9.4	14.2
127	14.2	11.0	16.6





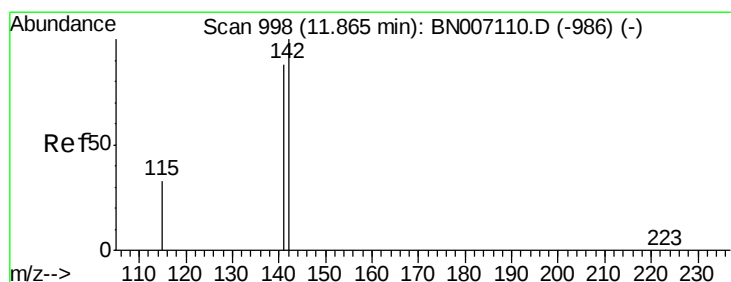
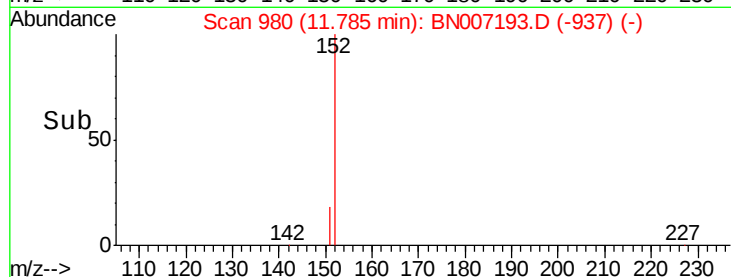
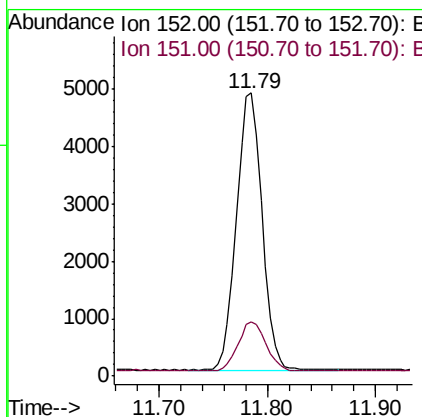
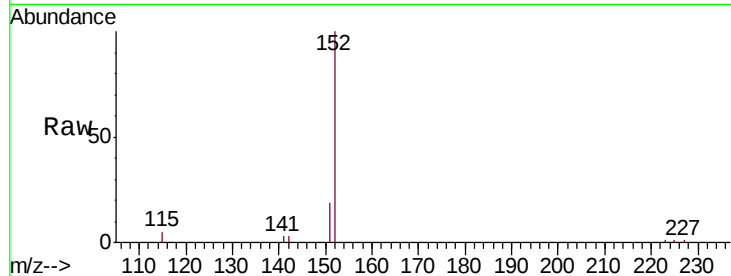
#10
2-Methylnaphthalene-d10
Concen: 0.090 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3

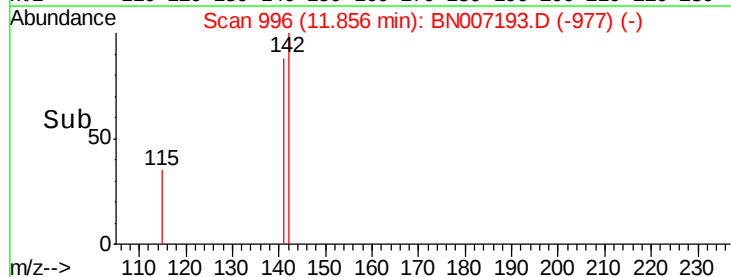
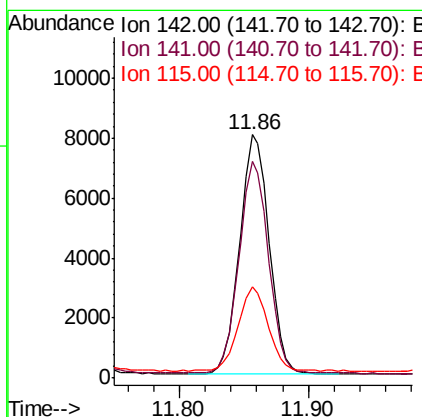
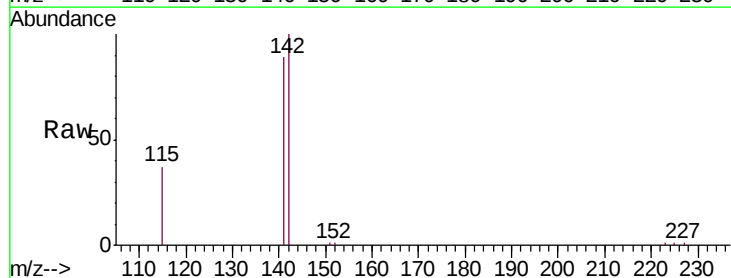
Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#11
2-Methylnaphthalene
Concen: 0.135 ng
RT: 11.86 min Scan# 996
Delta R.T. -0.01 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.0	103.6
115	37.3	27.1	40.7





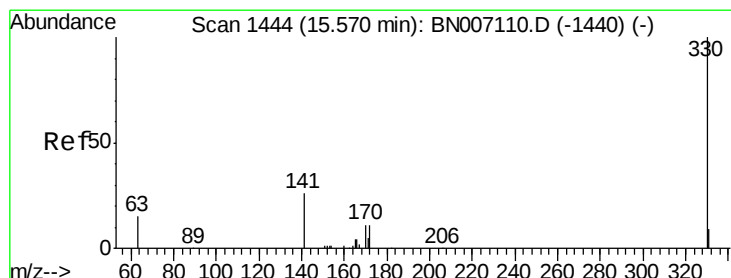
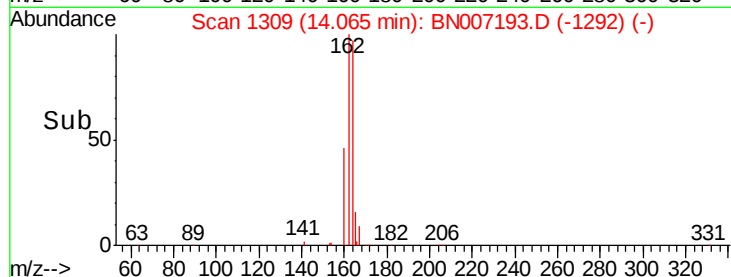
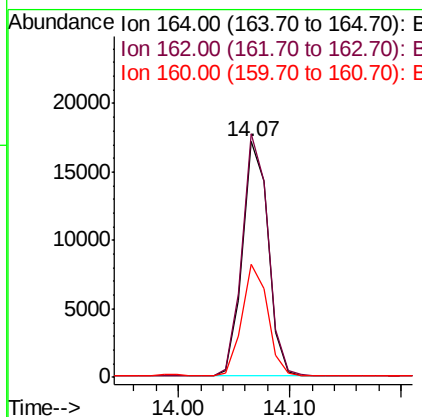
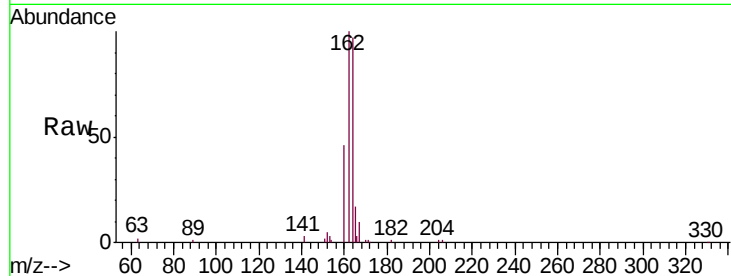
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	47.9	38.3	57.5

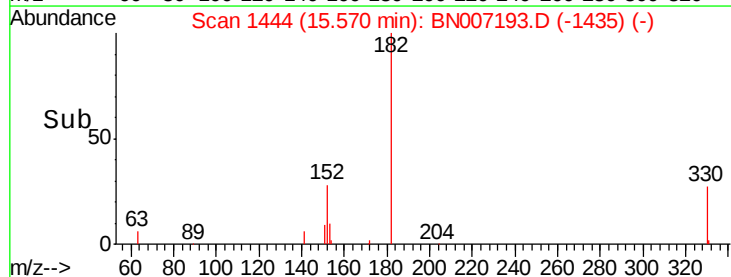
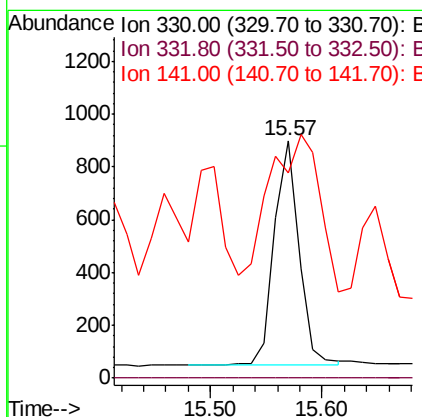
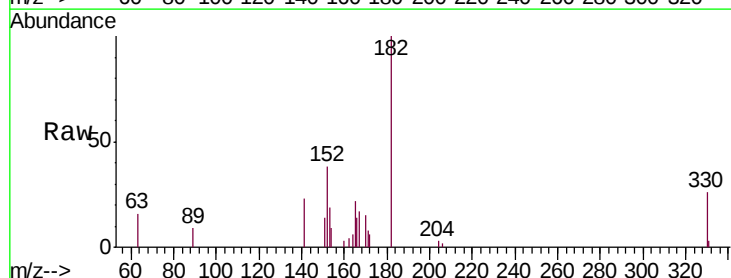
Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#13
2,4,6-Tribromophenol
Concen: 0.089 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	142.4	33.6	50.4#





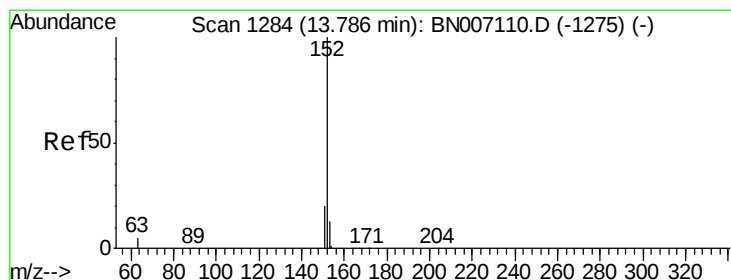
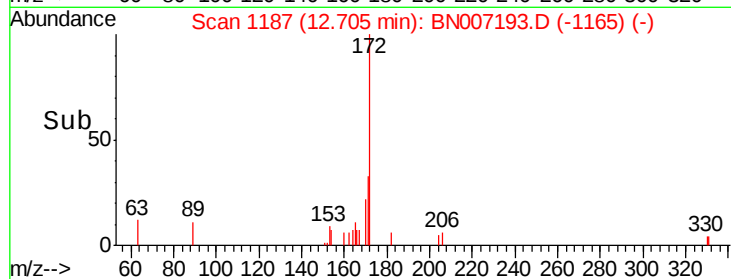
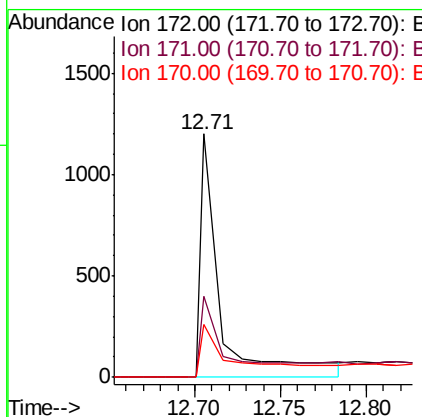
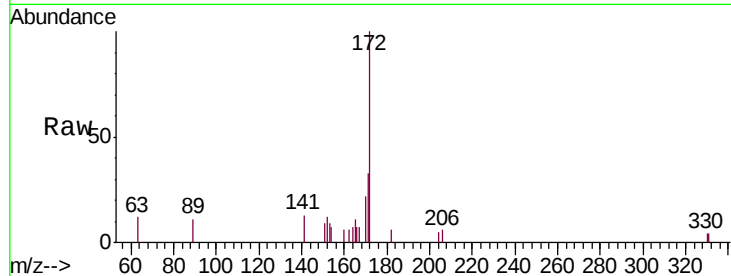
#14
2-Fluorobiphenyl
Concen: 0.027 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.3	39.5
170	21.6	17.0	25.4

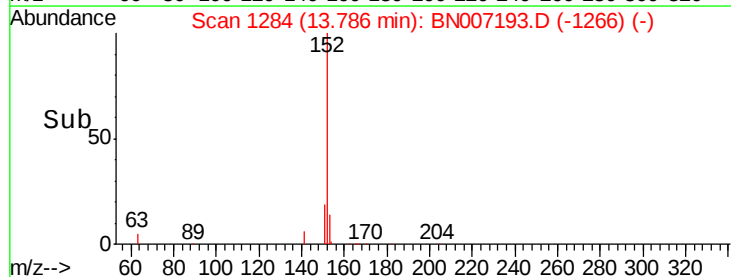
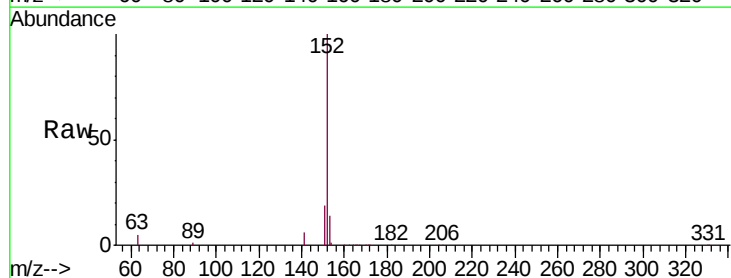
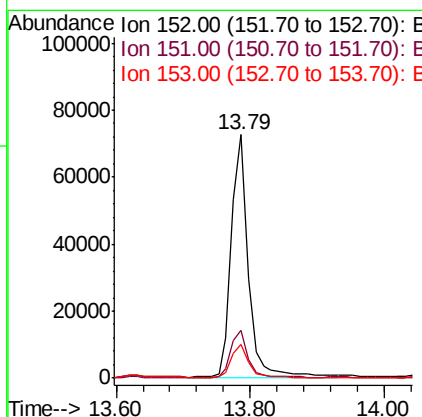
Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#15
Acenaphthylene
Concen: 0.882 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.6	10.4	15.6





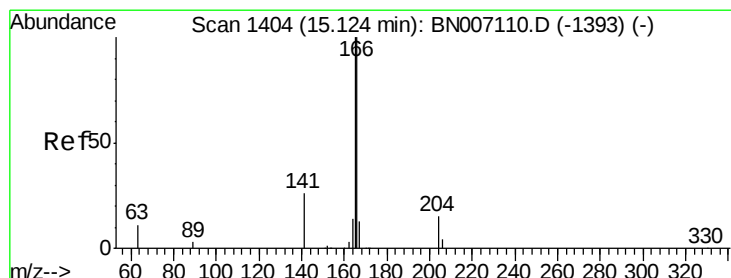
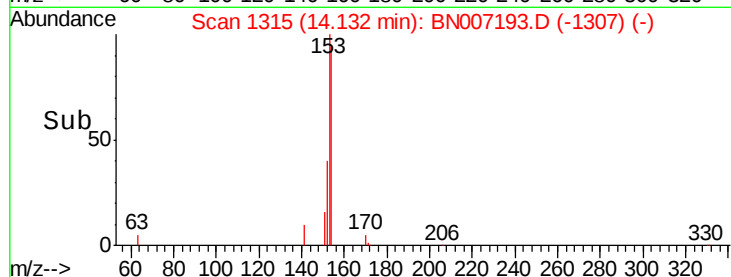
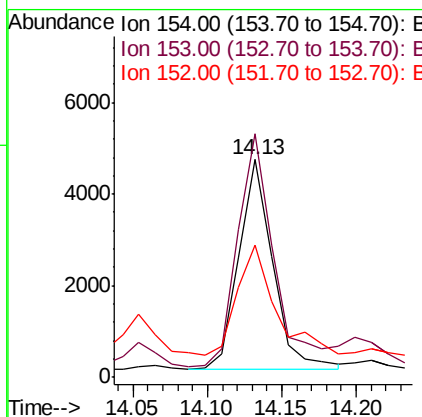
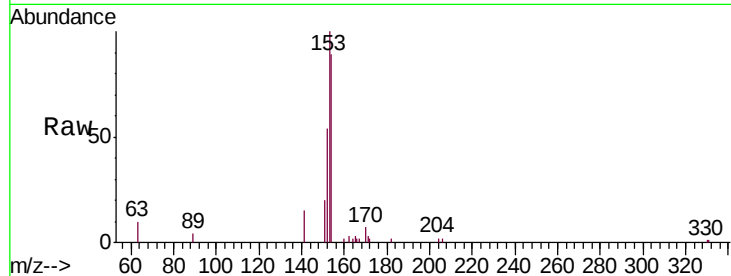
#16
Acenaphthene
Concen: 0.079 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.7	89.5	134.3
152	59.5	44.8	67.2

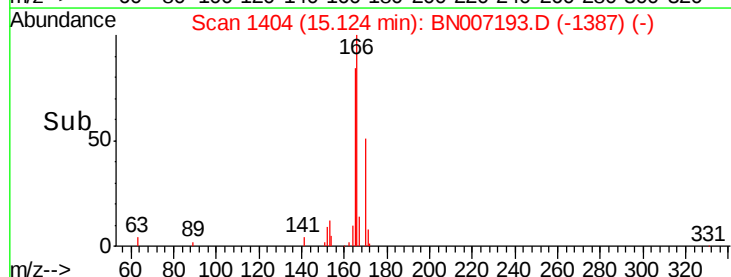
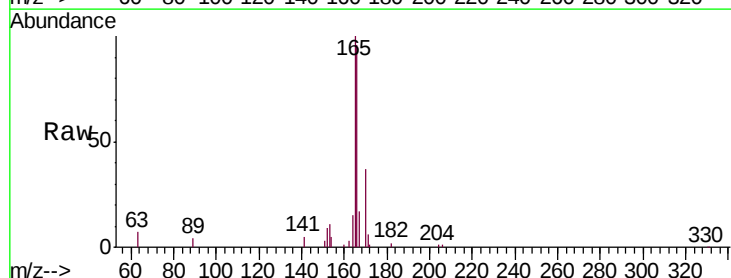
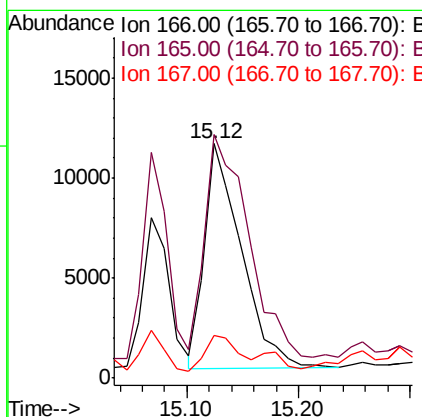
Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#17
Fluorene
Concen: 0.188 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.2	77.9	116.9#
167	14.1	10.9	16.3





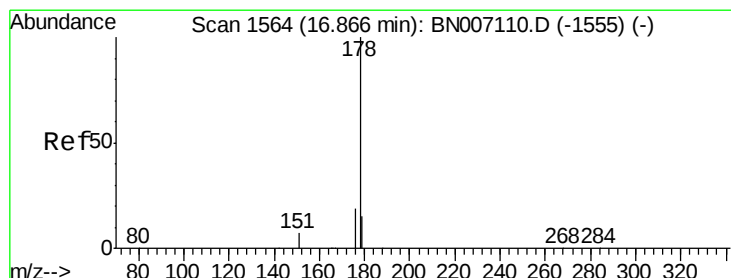
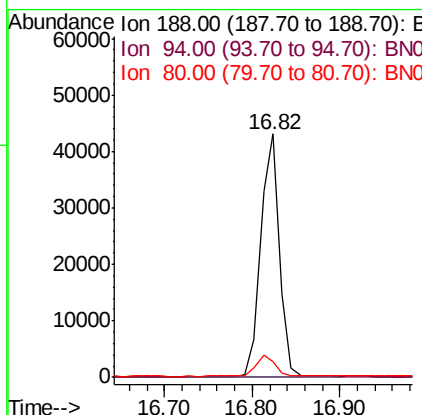
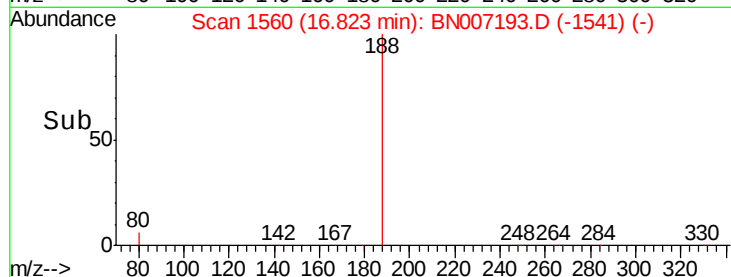
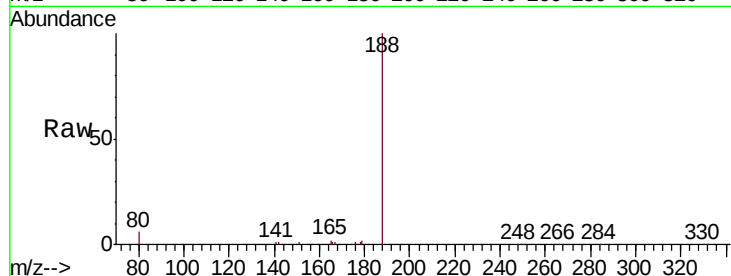
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	6.4	7.8	11.6#

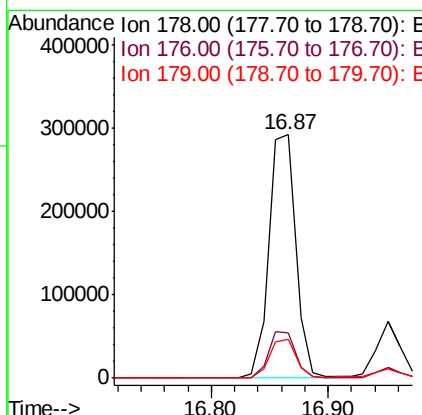
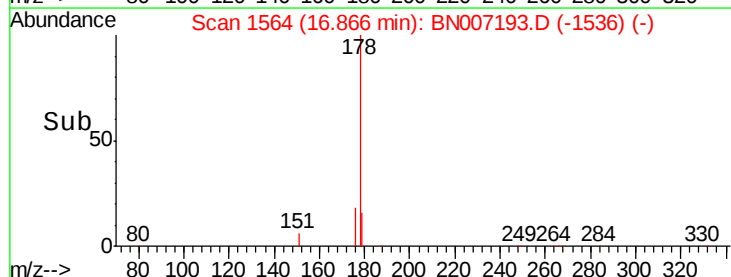
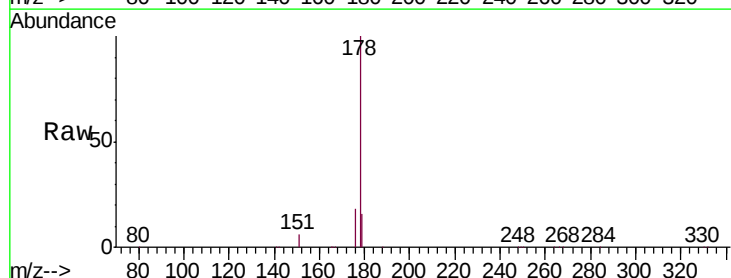
Manual Integrations
APPROVED

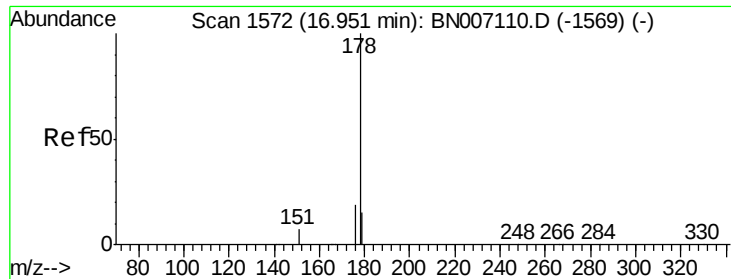
Jagrut
8/16/2019 6:11:17 PM



#22
Phenanthrene
Concen: 2.444 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.2	22.8
179	15.6	12.3	18.5





#23

Anthracene

Concen: 0.539 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Instrument :

BNA_N

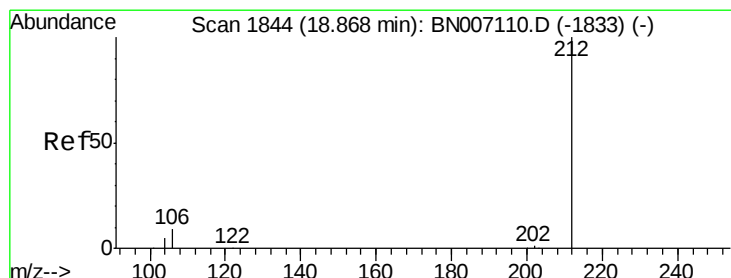
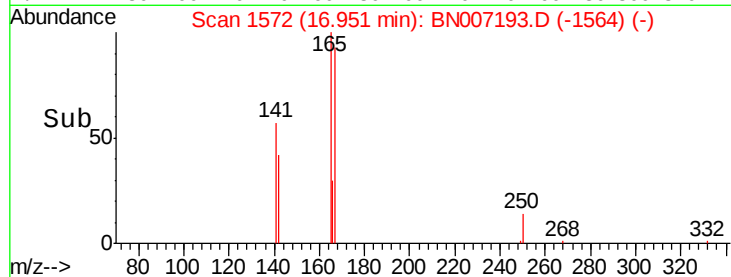
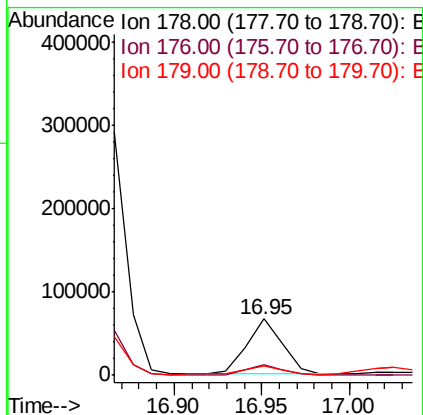
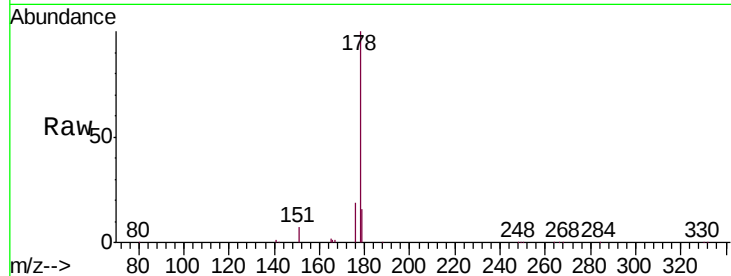
ClientSampleId :

PST-016-B054-073119DL

Tgt Ion:	178	Resp:	94058
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.6	21.8
179	17.2	12.5	18.7

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#24

Fluoranthene-d10

Concen: 0.087 ng

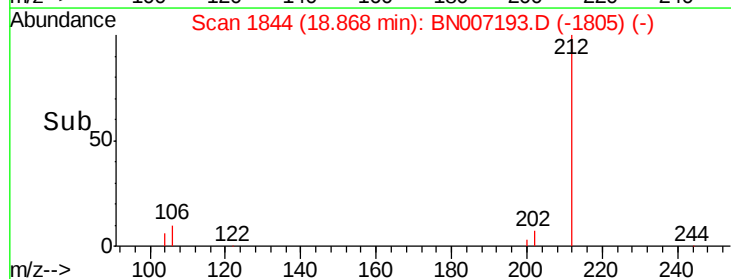
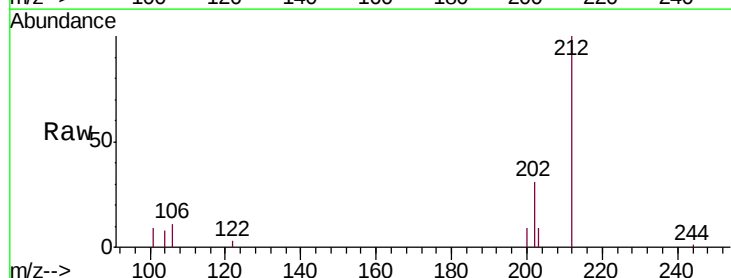
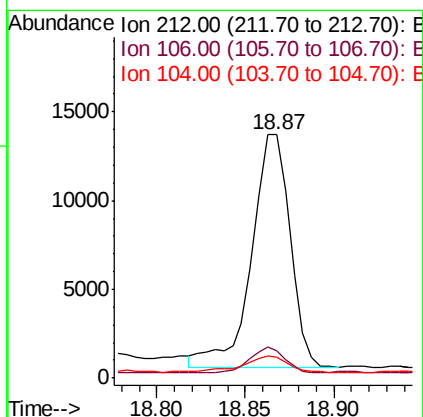
RT: 18.87 min Scan# 1844

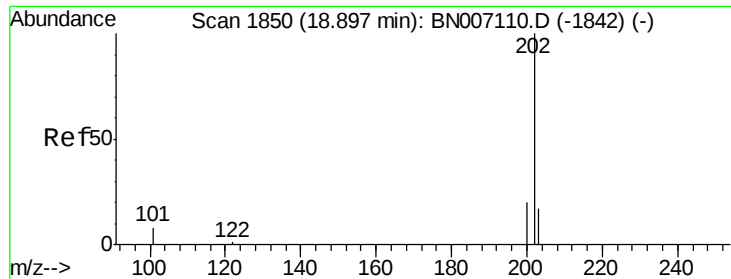
Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Tgt Ion:	212	Resp:	19755
Ion Ratio	Lower	Upper	
212	100		
106	10.8	8.2	12.2
104	8.6	4.5	6.7#





#25

Fluoranthene

Concen: 3.177 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Instrument :

BNA_N

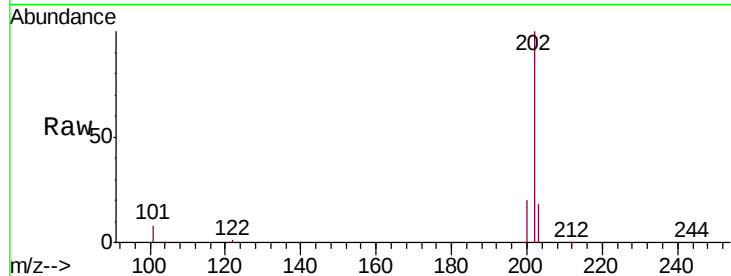
ClientSampleId :

PST-016-B054-073119DL

Tgt	Ion	202	Resp:	776849
Ion	Ratio	Lower	Upper	
202	100			
101	9.0	7.0	10.4	
203	17.8	13.8	20.8	

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM

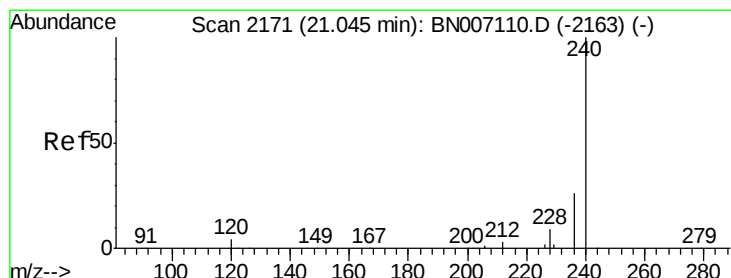
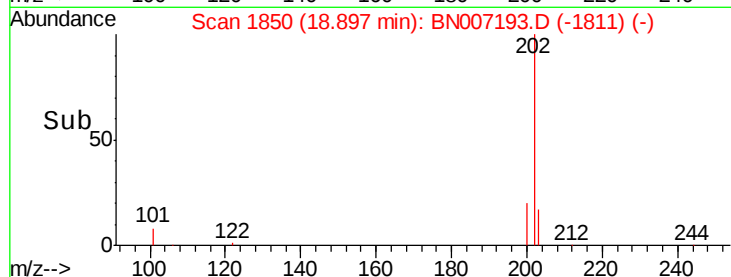
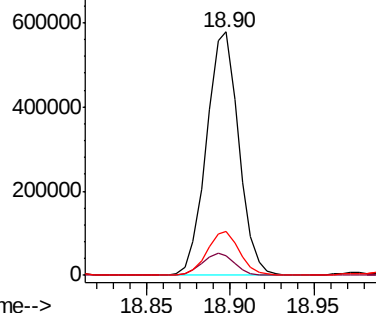


Abundance

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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

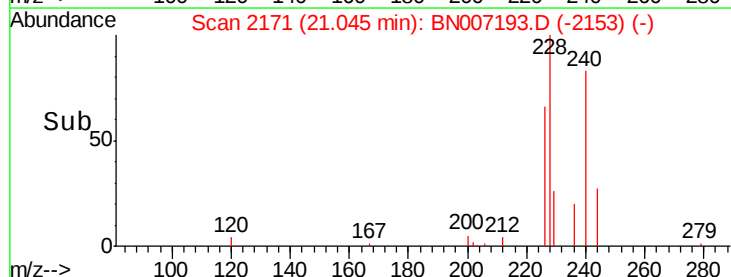
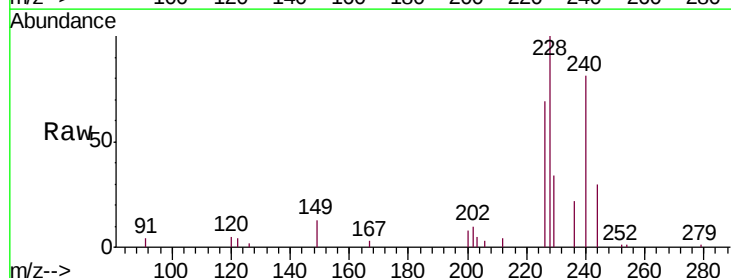
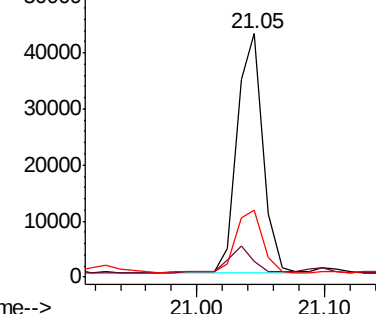
Tgt	Ion	240	Resp:	60499
Ion	Ratio	Lower	Upper	
240	100			
120	6.4	4.0	6.0#	
236	27.5	21.3	31.9	

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





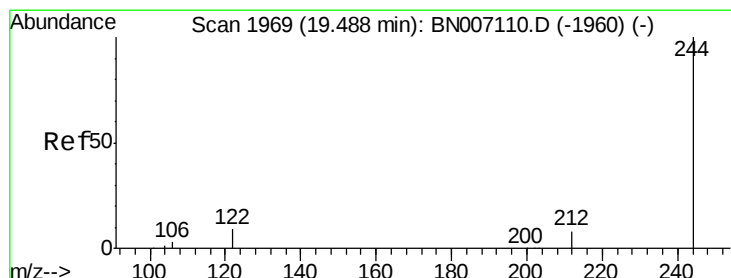
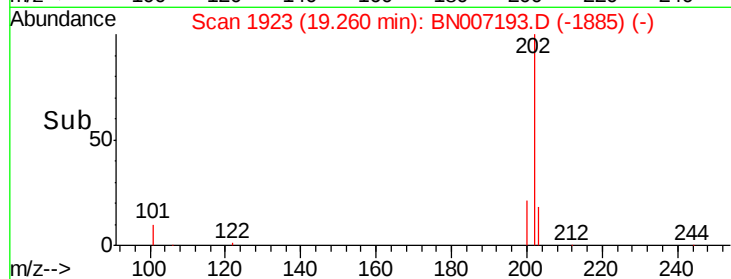
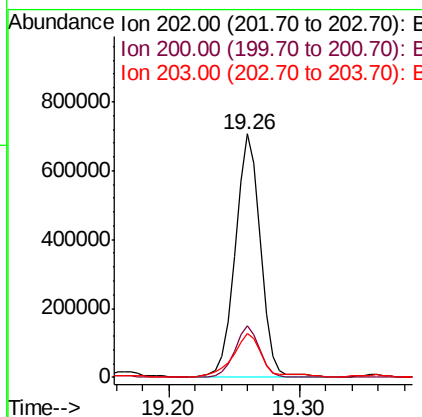
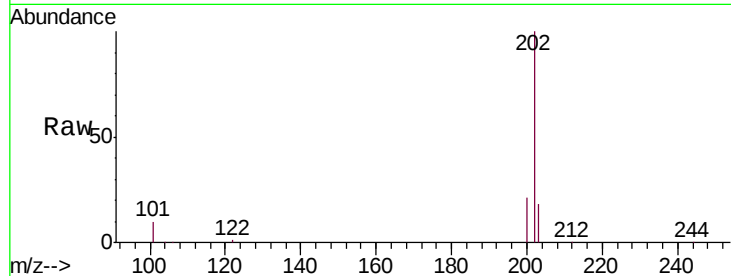
#27
 Pyrene
 Concen: 4.468 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007193.D
 Acq: 15 Aug 2019 13:09

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B054-073119DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	16.6	24.8
203	19.7	14.0	21.0

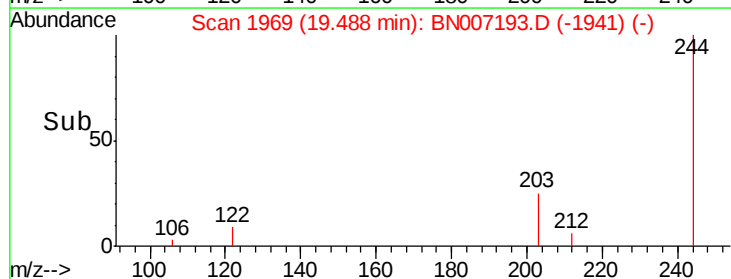
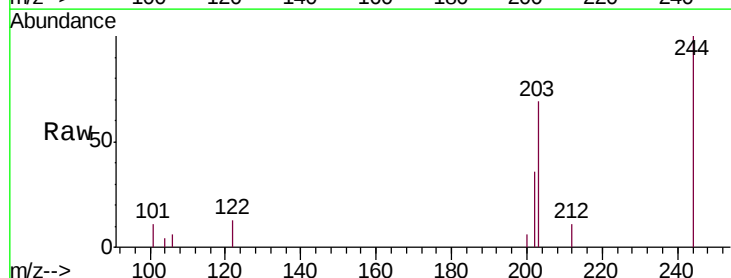
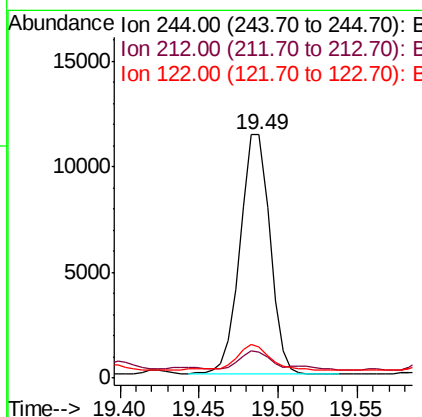
Manual Integrations
 APPROVED

Jagrut
 8/16/2019 6:11:17 PM



#28
 Terphenyl-d14
 Concen: 0.090 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007193.D
 Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.8	6.2	9.2#
122	12.8	7.4	11.2#





#29

Benzo(a)anthracene

Concen: 2.074 ng m

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Instrument :

BNA_N

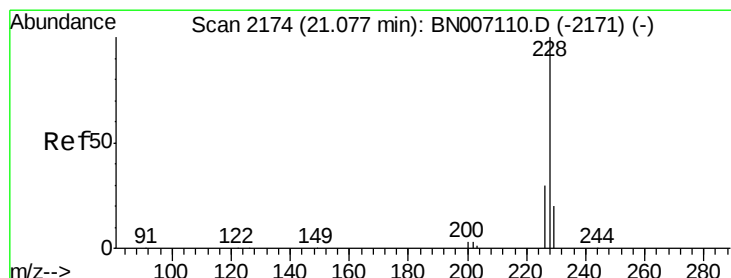
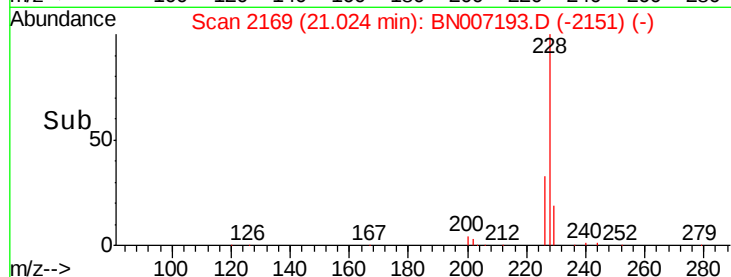
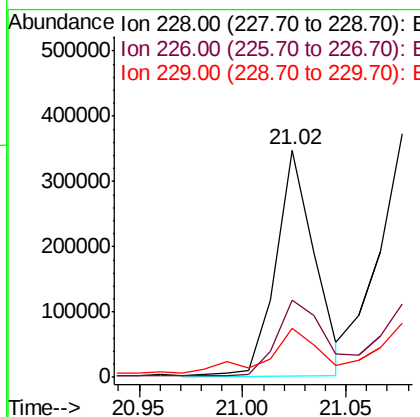
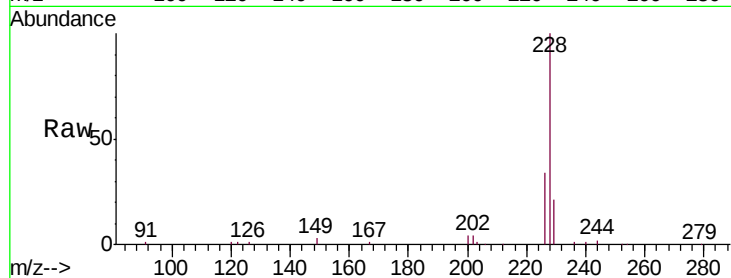
ClientSampleId :

PST-016-B054-073119DL

Tgt Ion:	228	Resp:	458952
Ion Ratio	Lower	Upper	
228	100		
226	33.8	21.8	32.6#
229	21.4	15.6	23.4

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#30

Chrysene

Concen: 2.441 ng

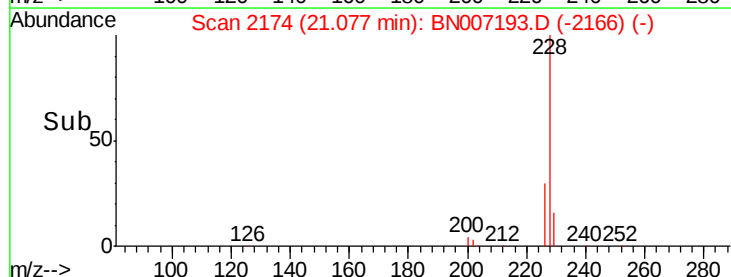
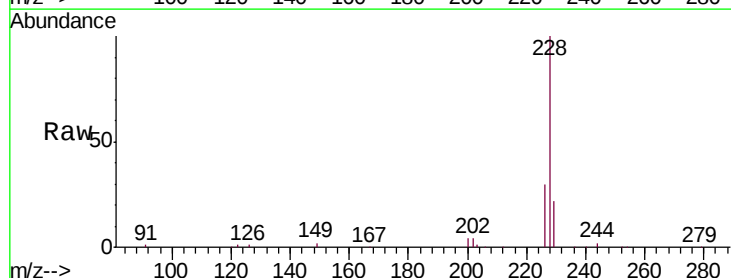
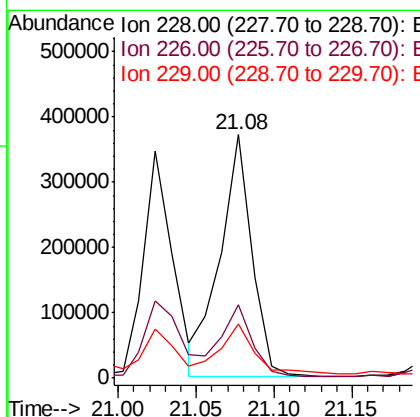
RT: 21.08 min Scan# 2174

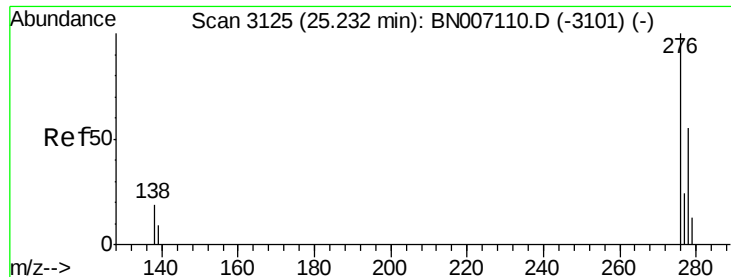
Delta R.T. -0.01 min

Lab File: BN007193.D

Acq: 15 Aug 2019 13:09

Tgt Ion:	228	Resp:	524647
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	22.3	15.7	23.5





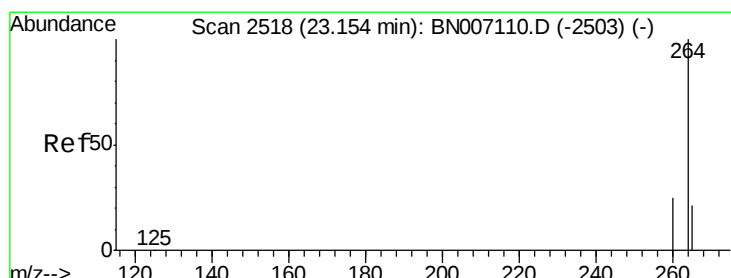
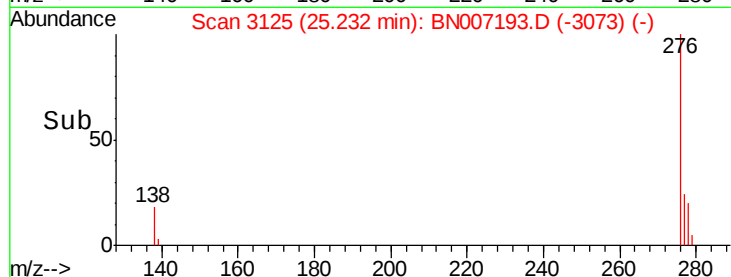
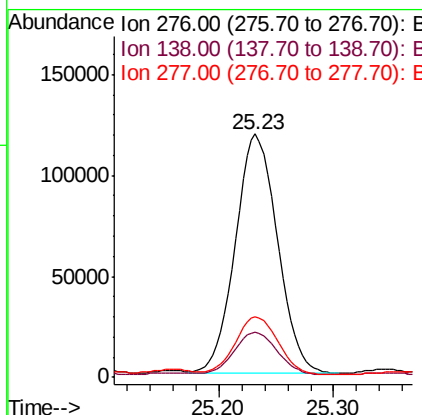
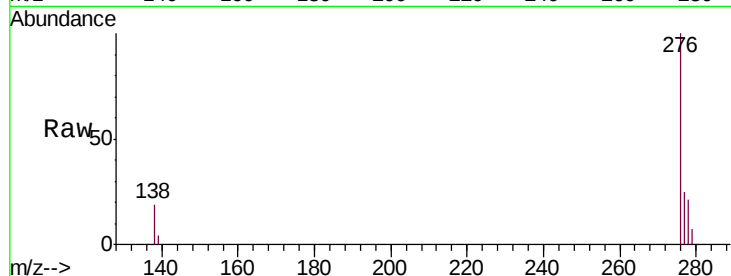
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 1.276 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007193.D
 Acq: 15 Aug 2019 13:09

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B054-073119DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	302399		
138	18.5	16.0	24.0	
277	24.9	19.9	29.9	

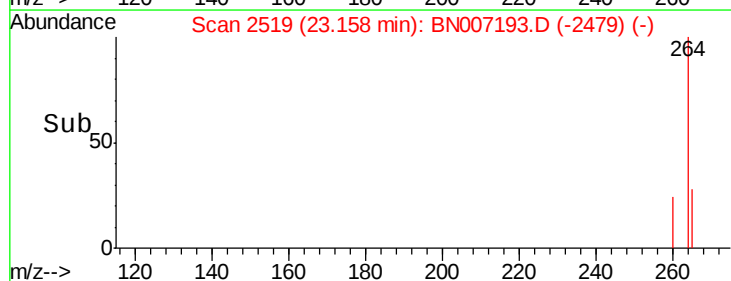
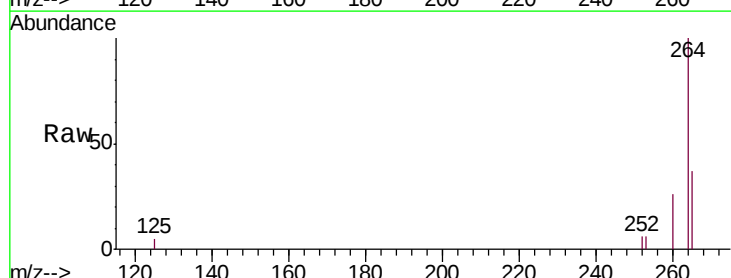
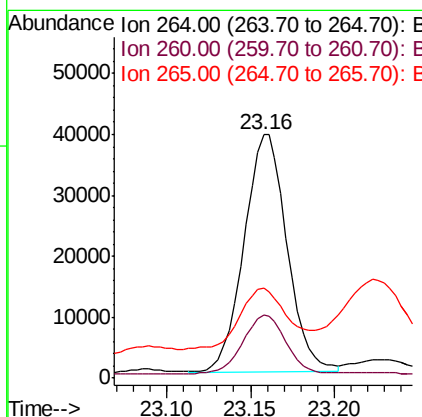
Manual Integrations
 APPROVED

Jagrut
 8/16/2019 6:11:17 PM



#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007193.D
 Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	70289		
260	26.0	19.8	29.8	
265	37.0	26.2	39.4	





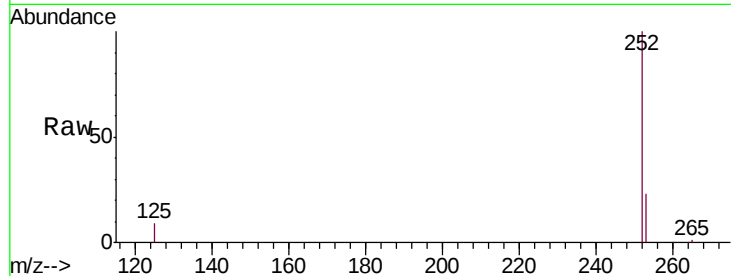
#33
Benzo(b)fluoranthene
Concen: 2.392 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

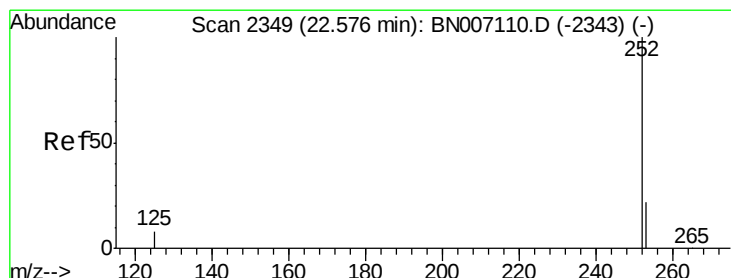
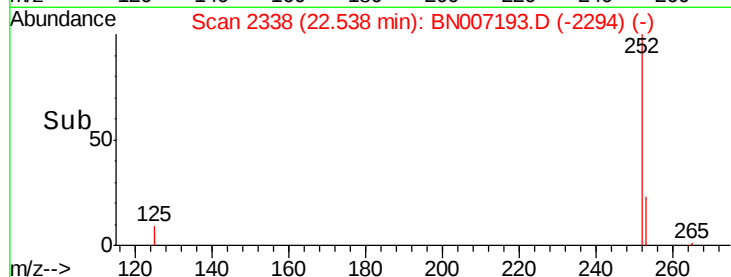
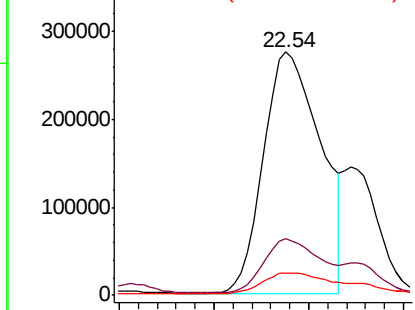
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.2	7.4	11.0

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



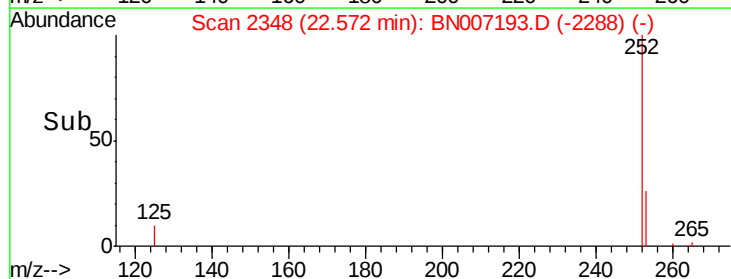
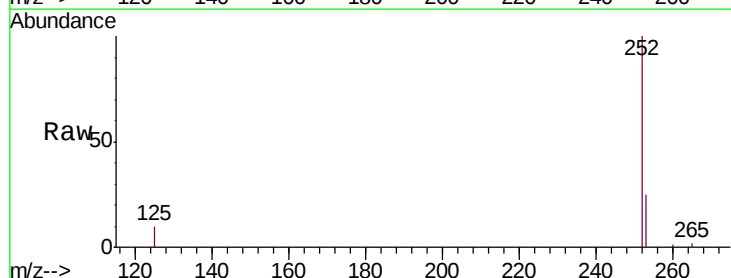
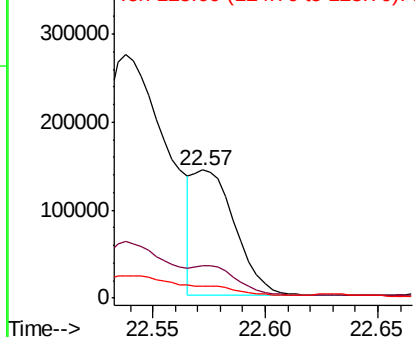
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#34
Benzo(k)fluoranthene
Concen: 0.779 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	9.8	7.4	11.0

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





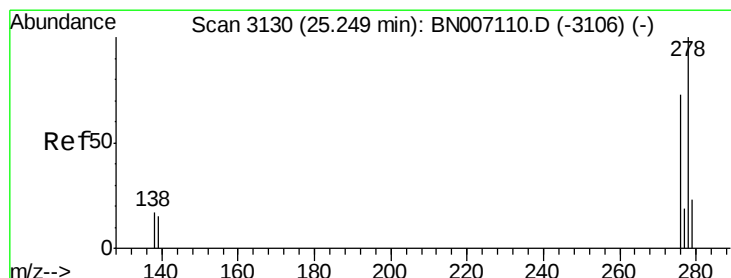
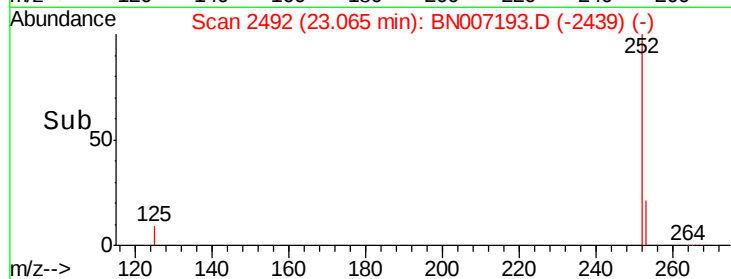
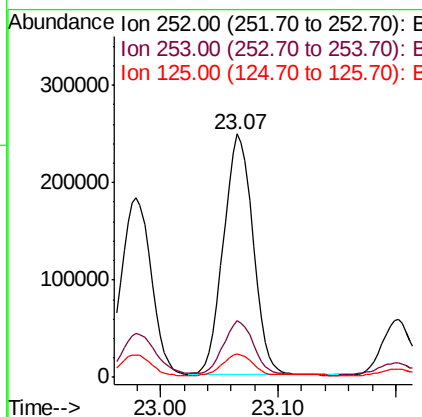
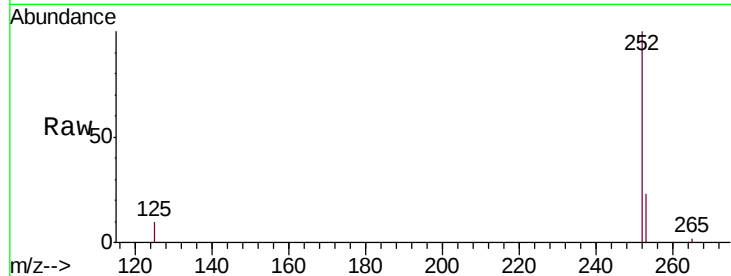
#35
Benzo(a)pyrene
Concen: 1.975 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Instrument :
BNA_N
ClientSampleId :
PST-016-B054-073119DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	9.6	8.2	12.4

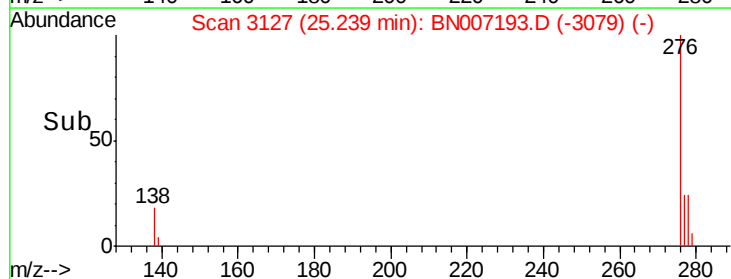
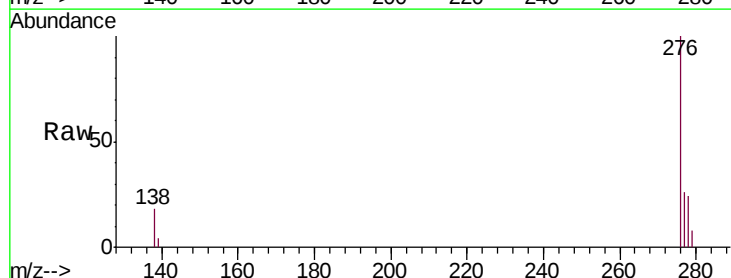
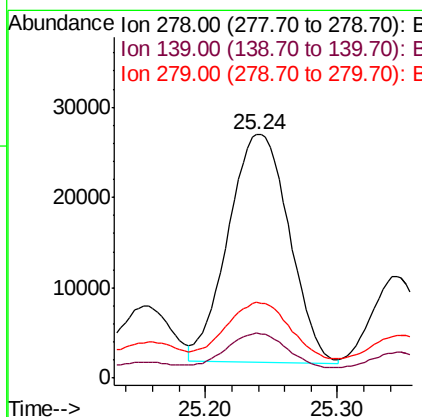
Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:17 PM



#36
Dibenzo(a,h)anthracene
Concen: 0.372 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007193.D
Acq: 15 Aug 2019 13:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.3	16.9#
279	31.0	19.3	28.9#





#37
 Benzo(g,h,i)perylene
 Concen: 1.450 ng
 RT: 25.86 min Scan# 3309
 Delta R.T. -0.02 min
 Lab File: BN007193.D
 Acq: 15 Aug 2019 13:09

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B054-073119DL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		325103		
277	24.5	19.8	29.8		
138	18.6	14.6	22.0		

Manual Integrations
 APPROVED

Jagrut
 8/16/2019 6:11:17 PM

