

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004886.D
 Acq On : 22 Mar 2019 13:02
 Operator : JU/SJ
 Sample : K1817-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B107-030619

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:52:46 AM

Quant Time: Mar 22 22:46:43 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	2153	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10137	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6217	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	15701	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20863	0.40	ng	0.00
34) Perylene-d12	23.54	264	21678	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	2536	0.43	ng	0.00
5) Phenol-d6	6.87	99	3353	0.46	ng	0.00
8) Nitrobenzene-d5	8.86	82	2464	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	6157	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	1359	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	9182	0.36	ng	-0.01
25) Fluoranthene-d10	19.12	212	16568	0.32	ng	0.00
29) Terphenyl-d14	19.72	244	12830	0.30	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.53	128	768	0.027	ng	# 78
16) Acenaphthylene	14.05	152	2904	0.091	ng	99
17) Acenaphthene	14.40	154	769	0.037	ng	96
18) Fluorene	15.39	166	1017	0.035	ng	# 92
23) Phenanthrene	17.13	178	29983	0.591	ng	99
24) Anthracene	17.22	178	5107	0.113	ng	# 94
26) Fluoranthene	19.16	202	69305	1.064	ng	99
28) Pyrene	19.52	202	67111	1.055	ng	# 96
30) Benzo(a)anthracene	21.27	228	41322	0.604	ng	98
31) Chrysene	21.32	228	40820	0.566	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	2625	0.096	ng	98
33) Indeno(1,2,3-cd)pyrene	25.81	276	20803	0.200	ng	98
35) Benzo(b)fluoranthene	22.86	252	49432	0.630	ng	# 96
36) Benzo(k)fluoranthene	22.90	252	16608m	0.215	ng	
37) Benzo(a)pyrene	23.44	252	35563	0.494	ng	98
38) Dibenzo(a,h)anthracene	25.81	278	5988	0.072	ng	# 73
39) Benzo(a,h,i)perylene	26.51	276	19550	0.230	ng	97

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

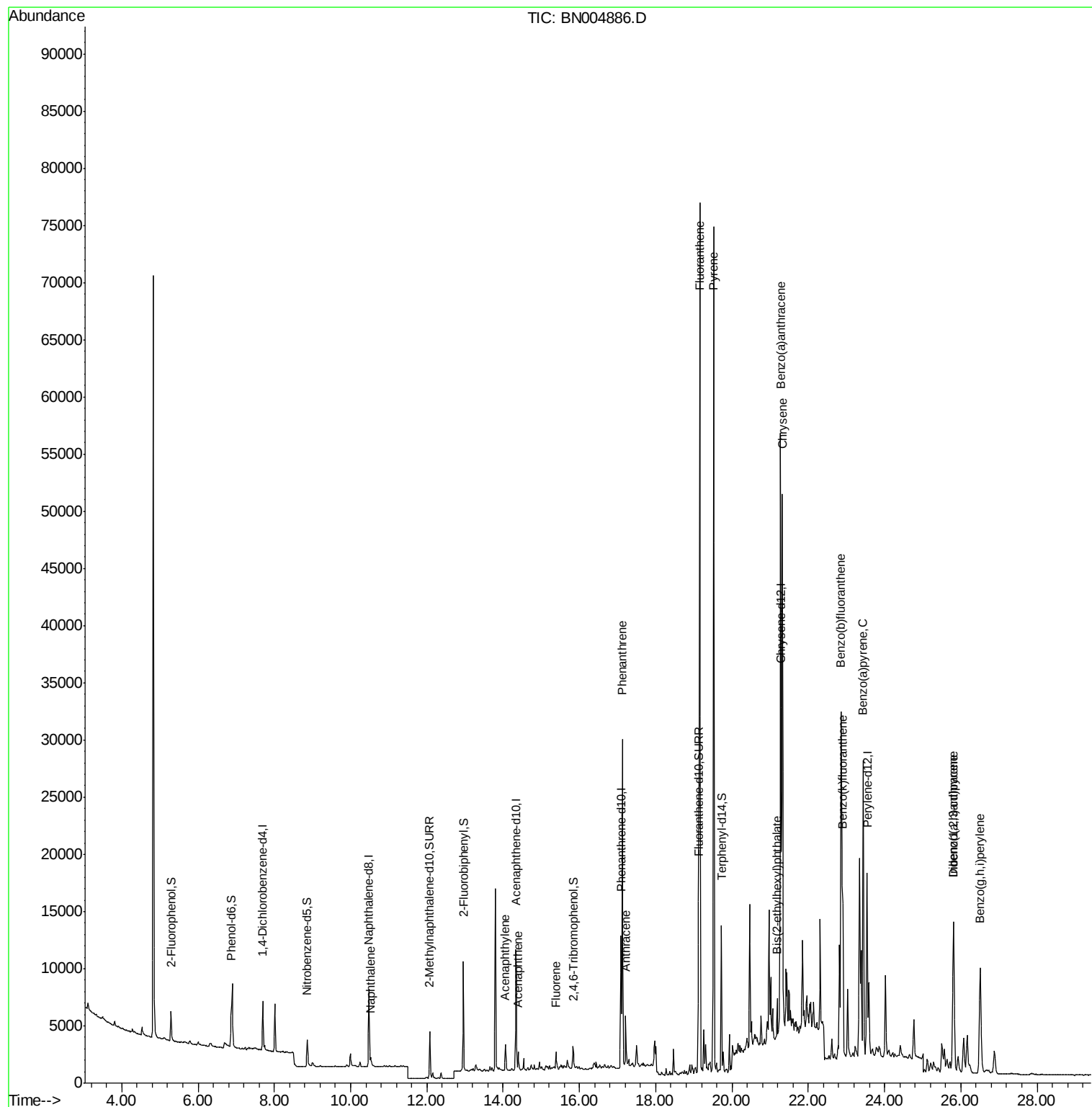
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004886.D
Acq On : 22 Mar 2019 13:02
Operator : JU/SJ
Sample : K1817-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

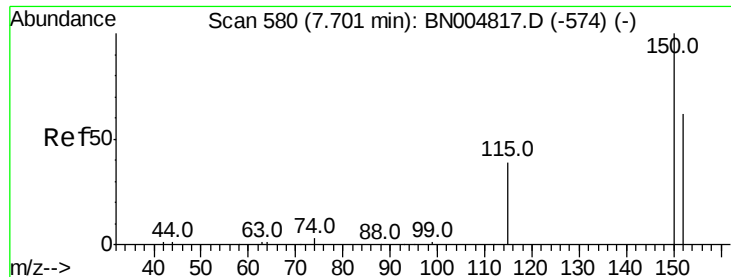
Instrument :
BNA_N
ClientSampleId :
PST-027-B107-030619

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM

Quant Time: Mar 22 22:46:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration





#1

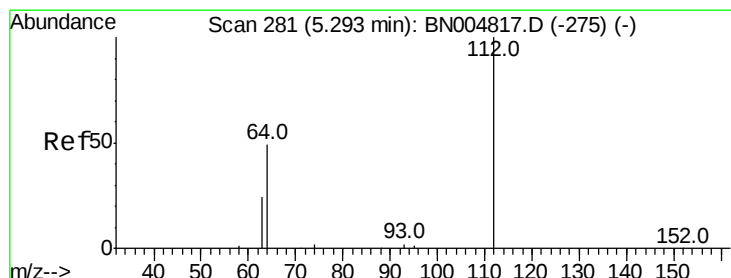
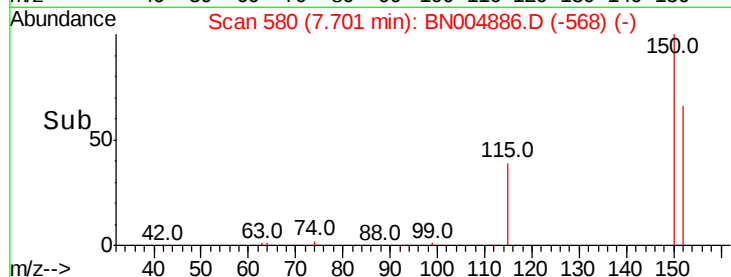
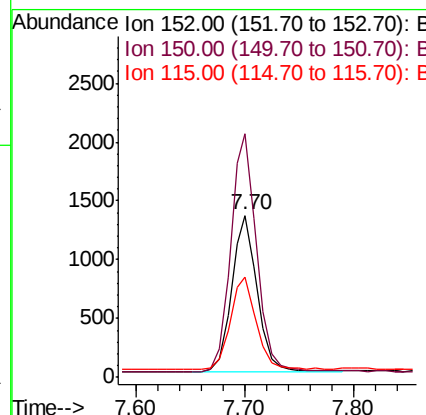
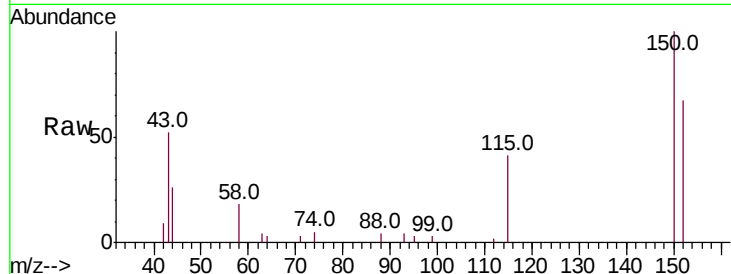
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Instrument :
BNA_N
ClientSampleId :
PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	126.2	189.4
115	61.5	52.6	79.0

Manual Integrations
APPROVED

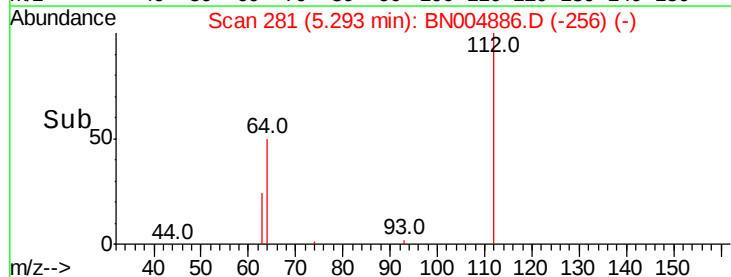
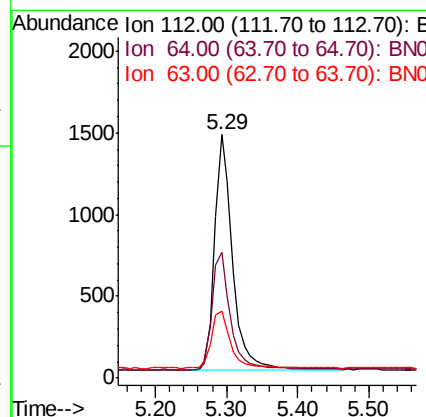
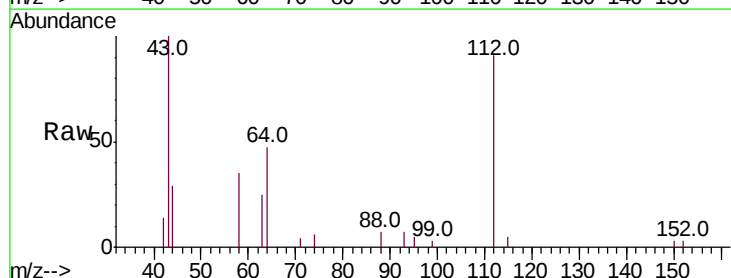
Sohil
3/25/2019 8:52:46 AM

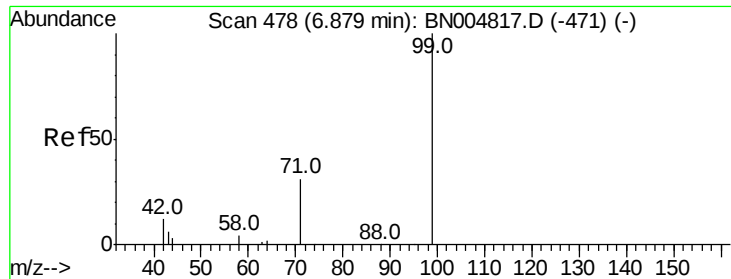


#4

2-Fluorophenol
Concen: 0.433 ng
RT: 5.29 min Scan# 281
Delta R.T. 0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	40.0	60.0
63	25.7	20.2	30.2





#5

Phenol-d6

Concen: 0.460 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Instrument :

BNA_N

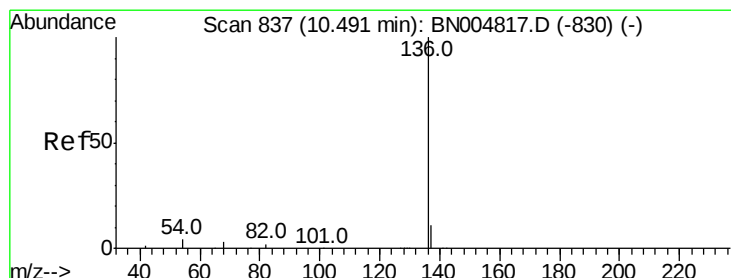
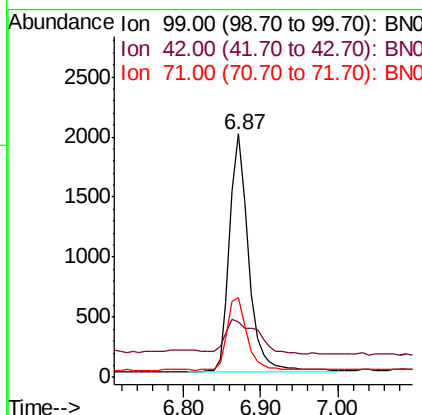
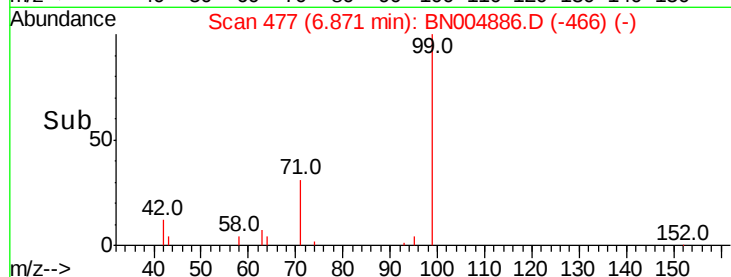
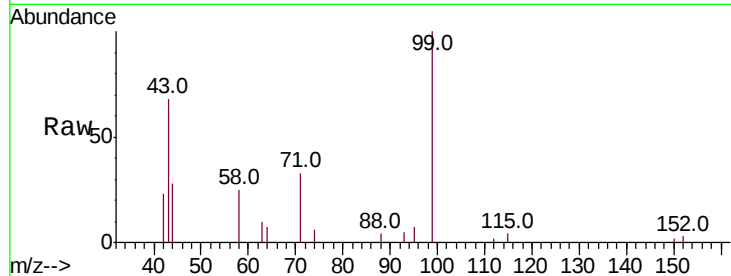
ClientSampleId :

PST-027-B107-030619

Tot Ion:	99	Resp:	3353
Ion	Ratio	Lower	Upper
99	100		
42	24.3	12.7	19.1#
71	32.1	26.6	40.0

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM



#7

Naphthalene-d8

Concen: 0.400 ng

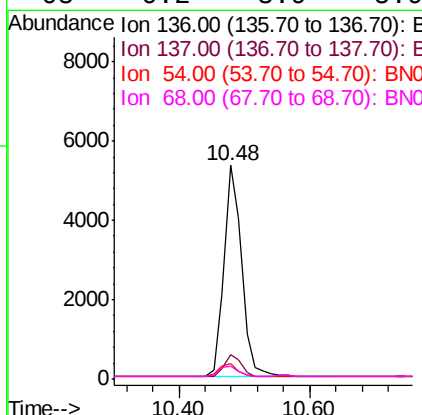
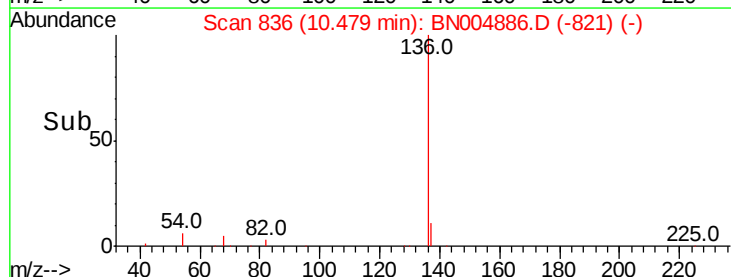
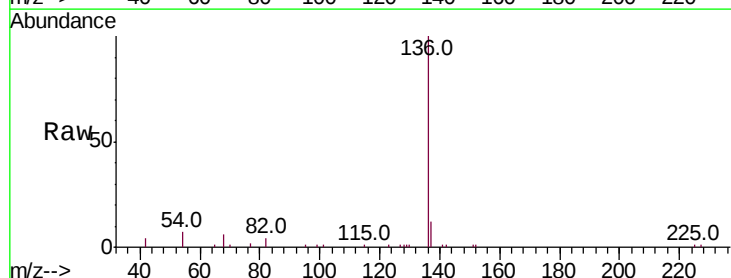
RT: 10.48 min Scan# 836

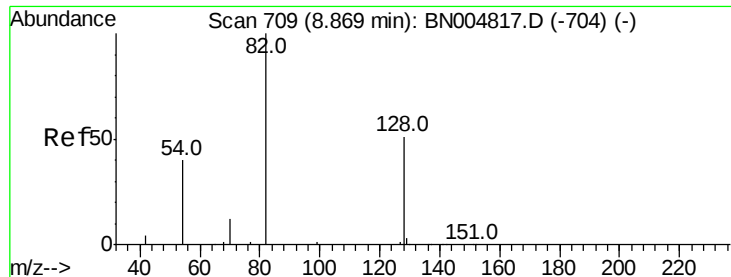
Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Tgt Ion:	136	Resp:	10137
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	7.1	4.2	6.2#
68	6.2	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.367 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Instrument :

BNA_N

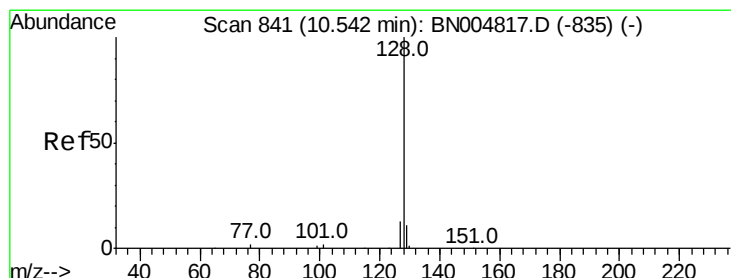
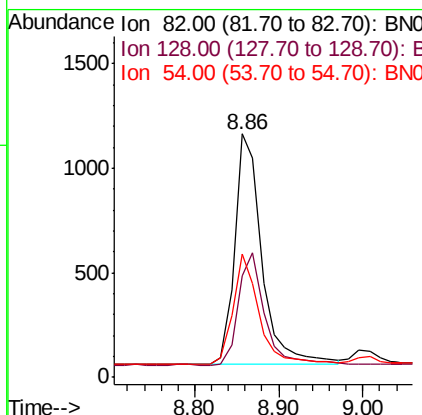
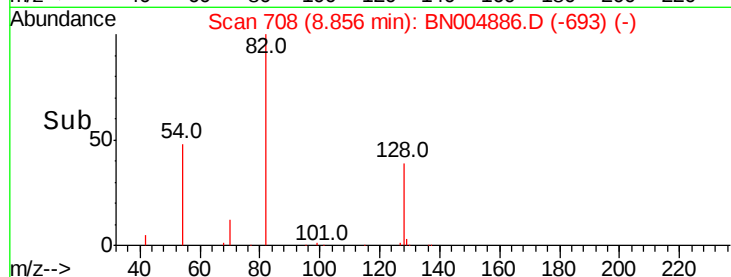
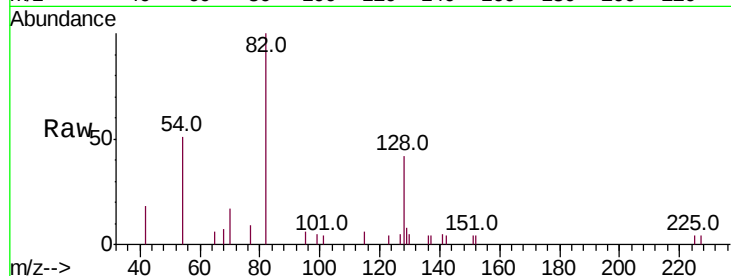
ClientSampleId :

PST-027-B107-030619

Tot Ion:	82	Resp:	2464
Ion Ratio	Lower	Upper	
82	100		
128	41.8	43.0	64.6#
54	50.5	35.3	52.9

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM



#9

Naphthalene

Concen: 0.027 ng

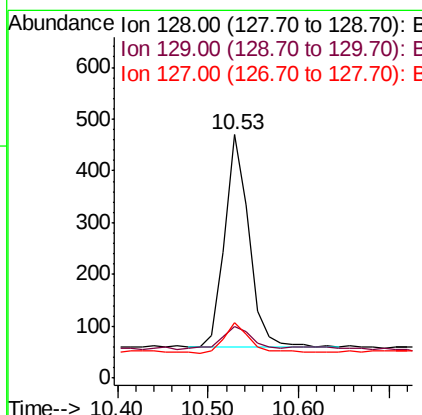
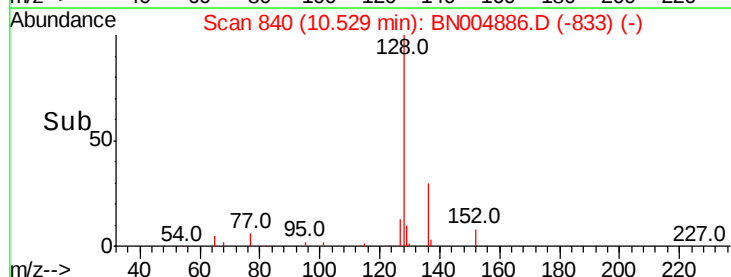
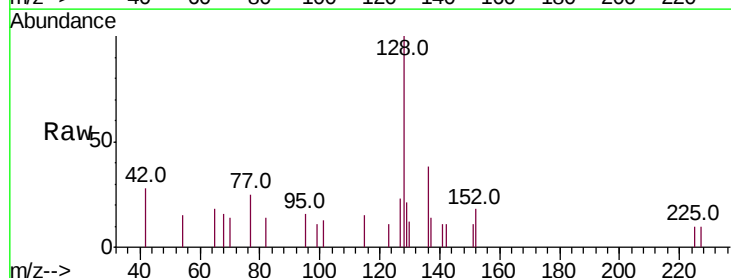
RT: 10.53 min Scan# 840

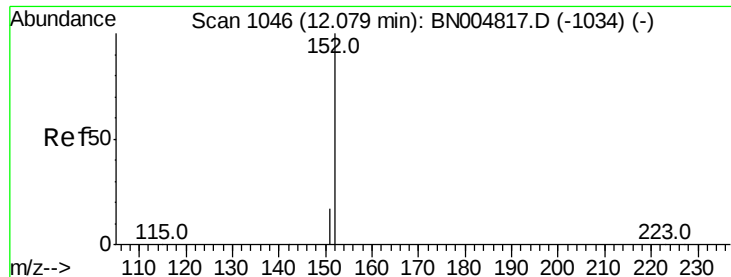
Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Tgt Ion:	128	Resp:	768
Ion Ratio	Lower	Upper	
128	100		
129	21.1	9.9	14.9#
127	22.8	11.3	16.9#





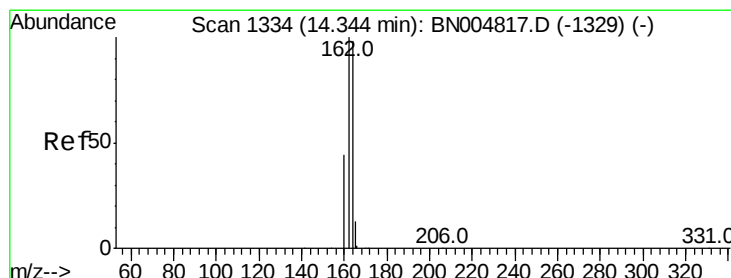
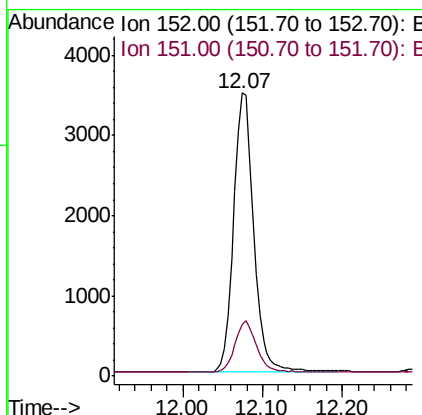
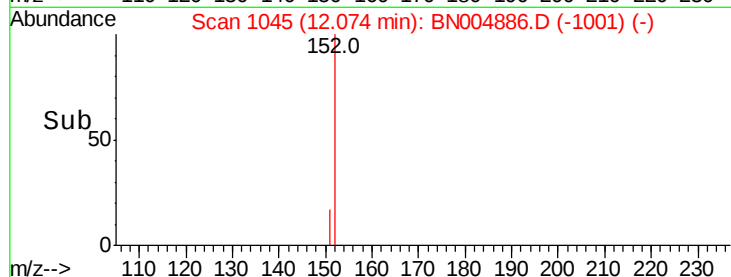
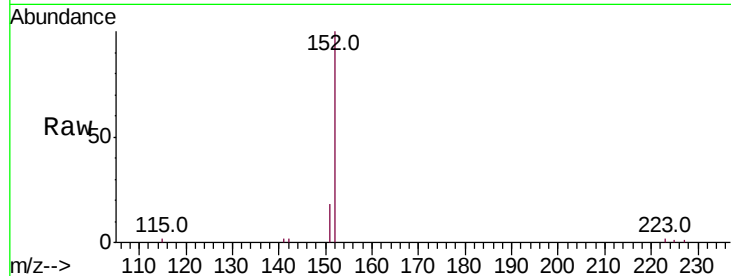
#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 12.07 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Instrument :
BNA_N
ClientSampleId :
PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

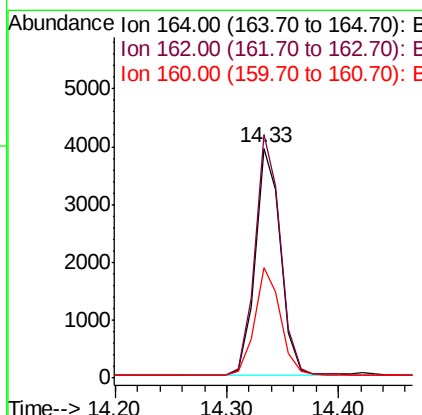
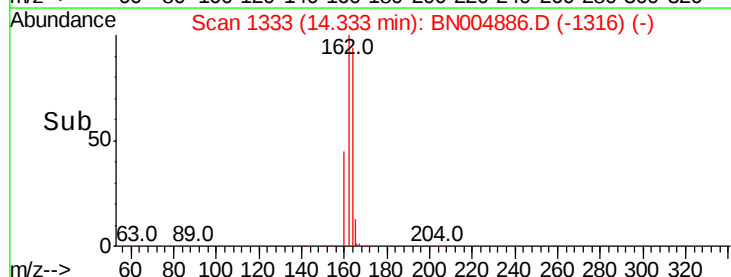
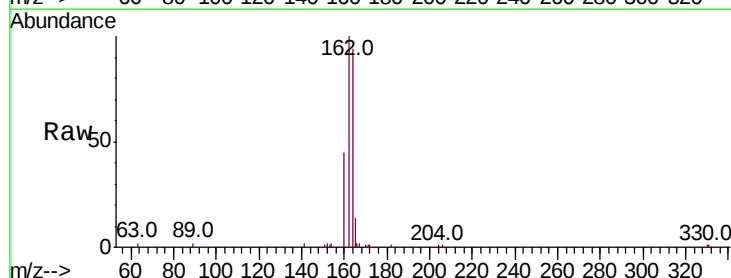
Manual Integrations
APPROVED

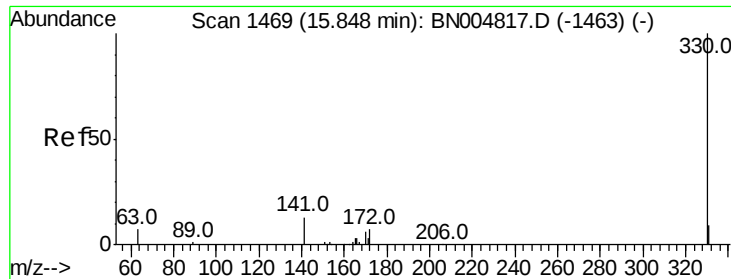
Sohil
3/25/2019 8:52:46 AM



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	81.9	122.9
160	47.8	36.6	54.8





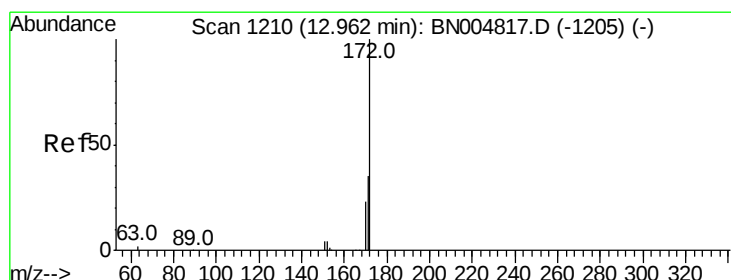
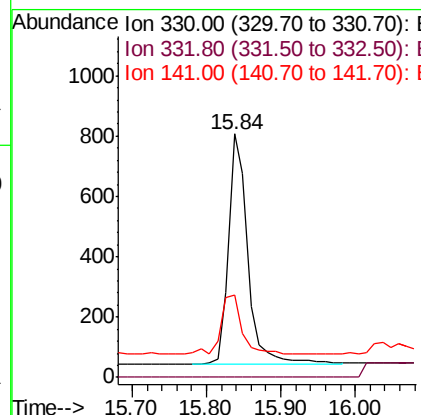
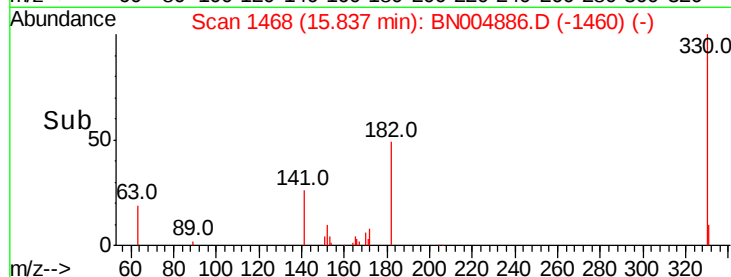
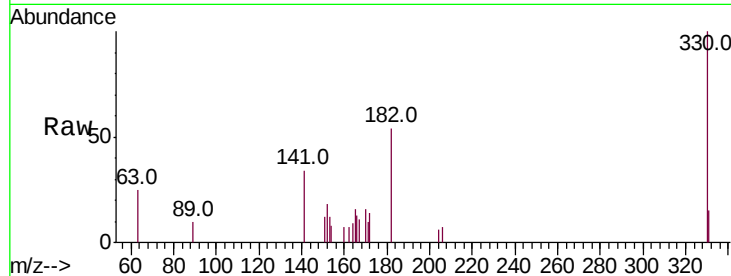
#14
 2,4,6-Tribromophenol
 Concen: 0.316 ng
 RT: 15.84 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BN004886.D
 Acq: 22 Mar 2019 13:02

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.6	20.9	31.3

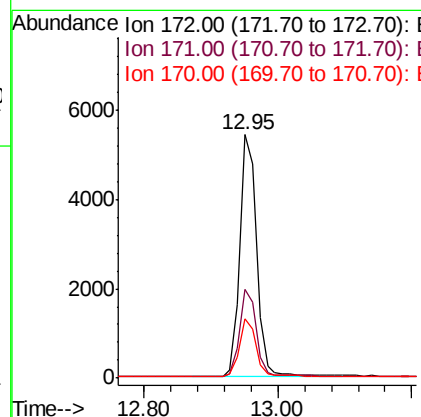
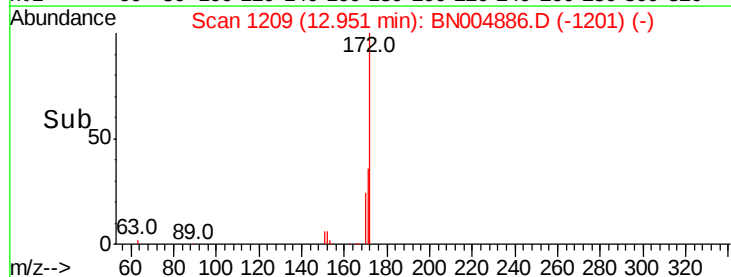
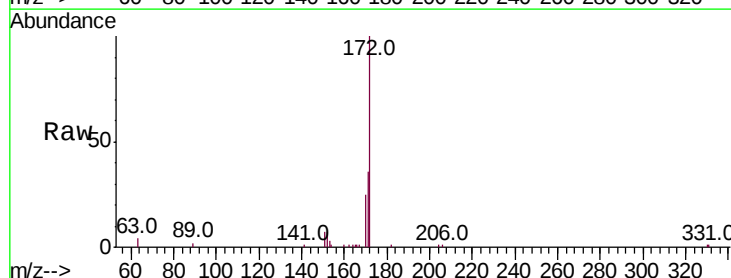
Manual Integrations
 APPROVED

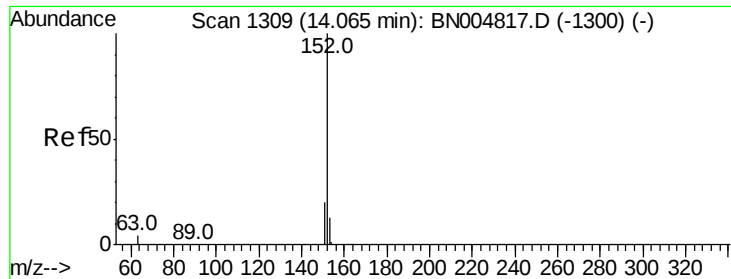
Sohil
 3/25/2019 8:52:46 AM



#15
 2-Fluorobiphenyl
 Concen: 0.357 ng
 RT: 12.95 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BN004886.D
 Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.7	43.1
170	24.6	18.7	28.1





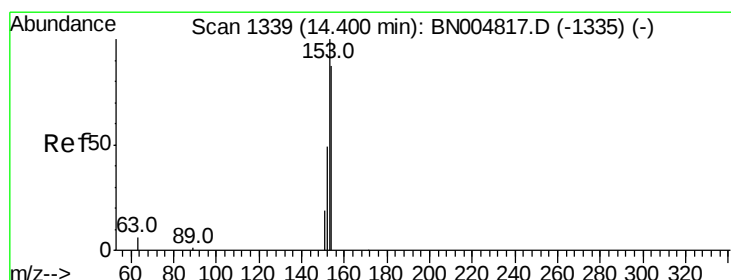
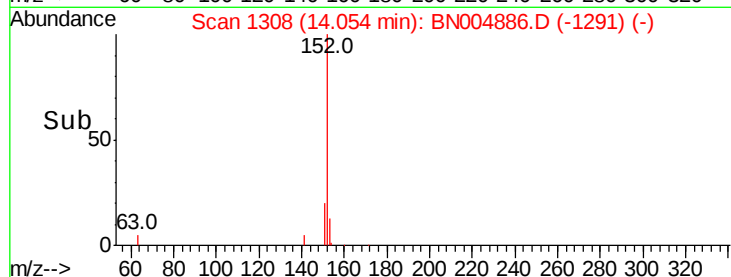
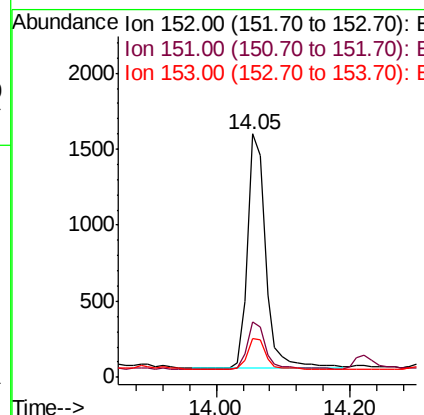
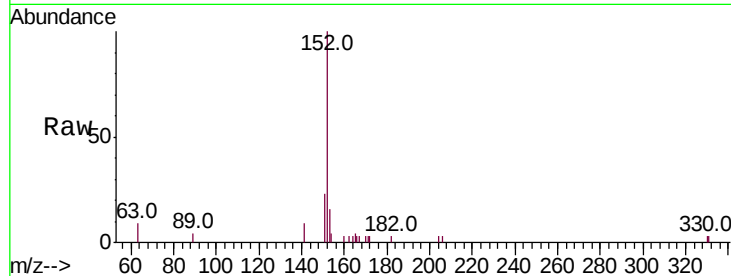
#16
Acenaphthylene
Concen: 0.091 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Instrument :
BNA_N
ClientSampleId :
PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.6	10.5	15.7

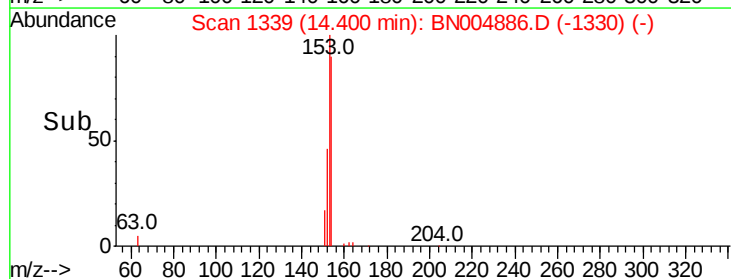
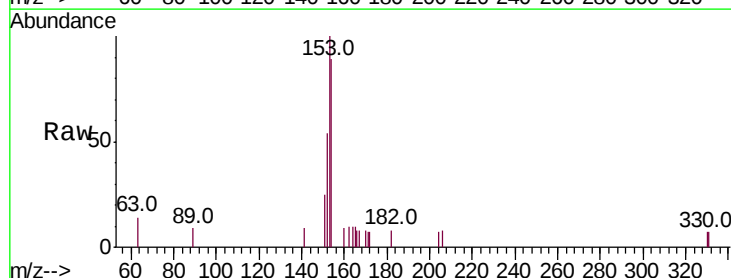
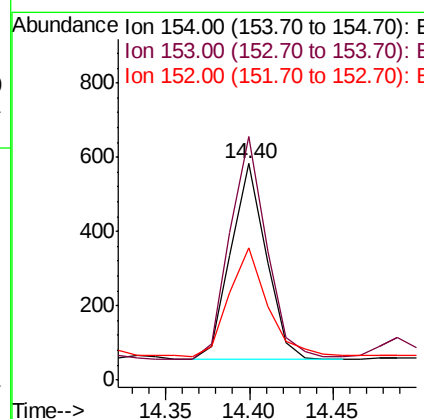
Manual Integrations
APPROVED

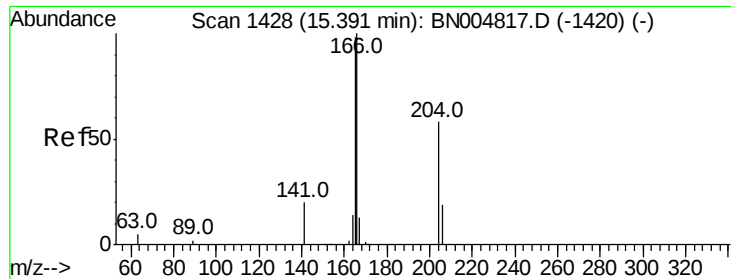
Sohil
3/25/2019 8:52:46 AM



#17
Acenaphthene
Concen: 0.037 ng
RT: 14.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.9	91.4	137.2
152	58.8	44.2	66.2





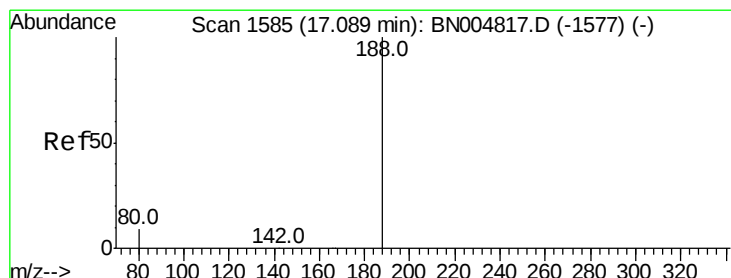
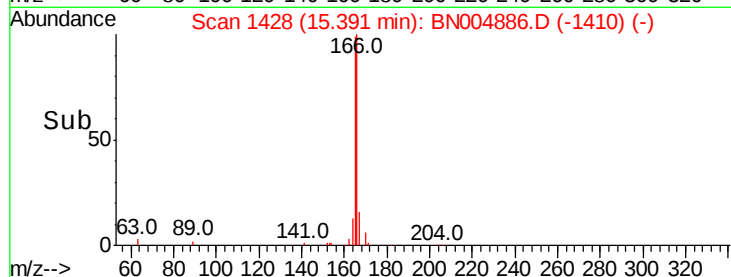
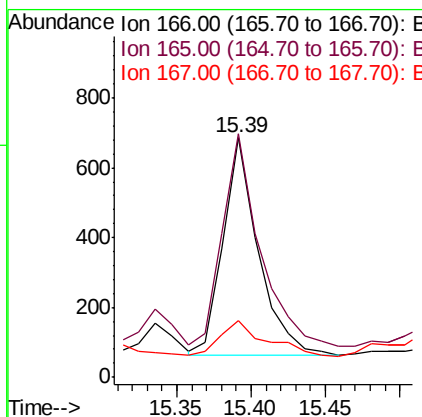
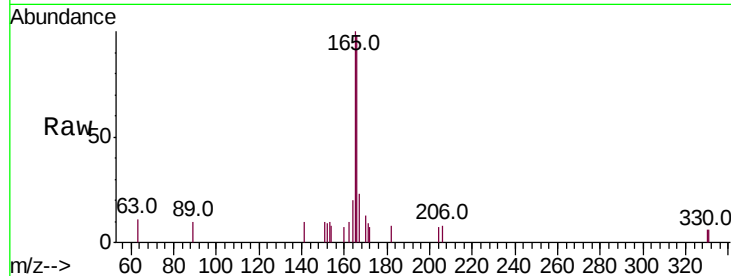
#18
Fluorene
 Concen: 0.035 ng
 RT: 15.39 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: BN004886.D
 Acq: 22 Mar 2019 13:02

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.7	78.2	117.4
167	21.8	11.0	16.4

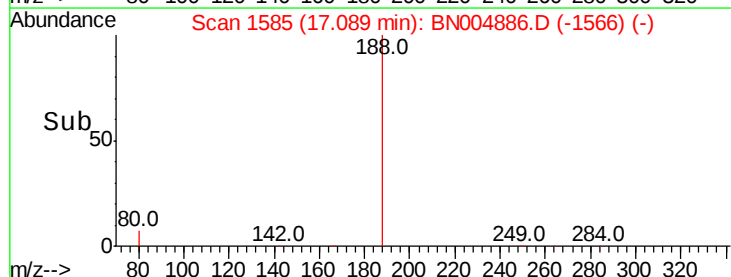
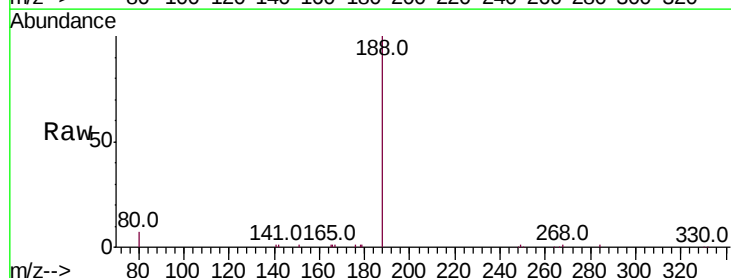
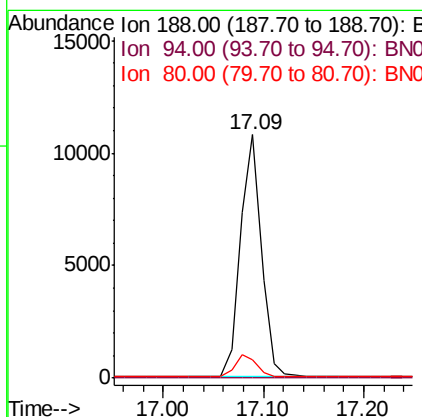
Manual Integrations
 APPROVED

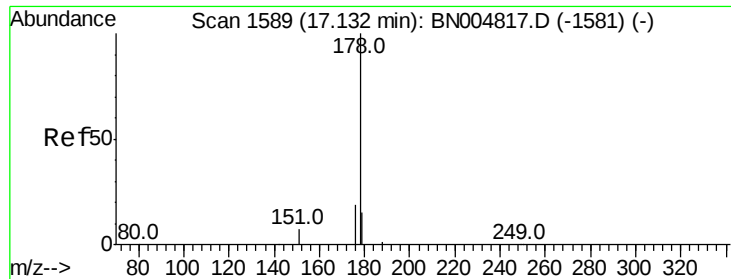
Sohil
 3/25/2019 8:52:46 AM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.09 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BN004886.D
 Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	7.4	11.2





#23

Phenanthrene

Concen: 0.591 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Instrument :

BNA_N

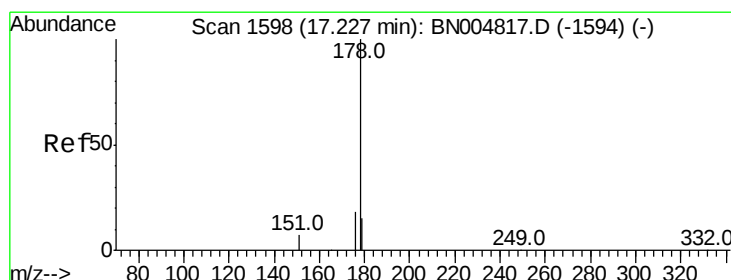
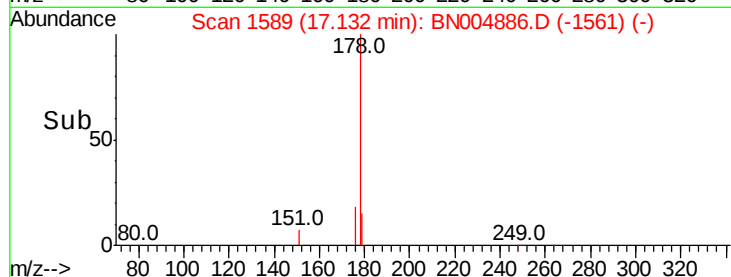
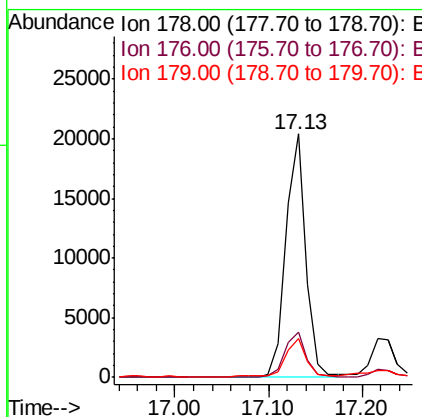
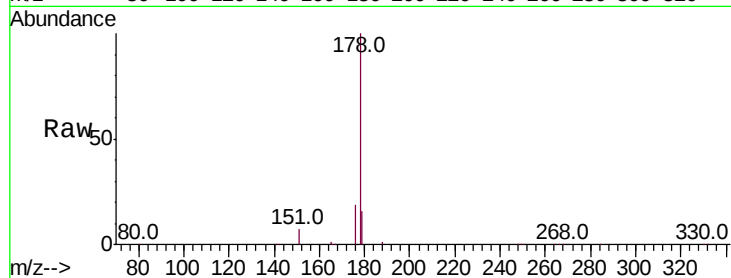
ClientSampleId :

PST-027-B107-030619

Tot Ion:	178	Resp:	29983
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.5	12.1	18.1

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM



#24

Anthracene

Concen: 0.113 ng

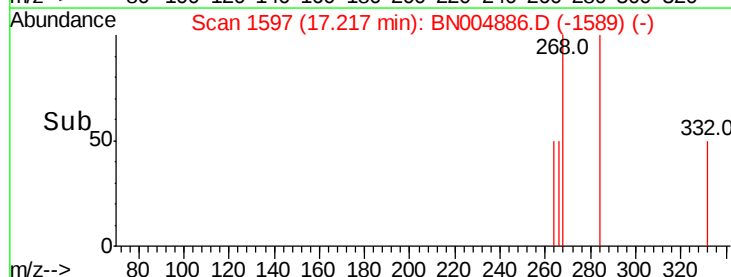
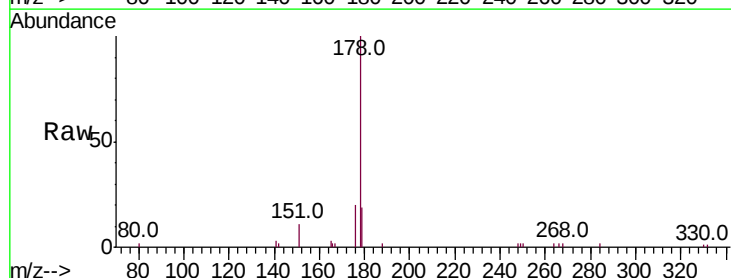
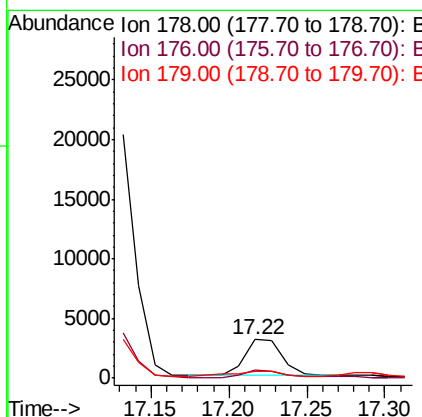
RT: 17.22 min Scan# 1597

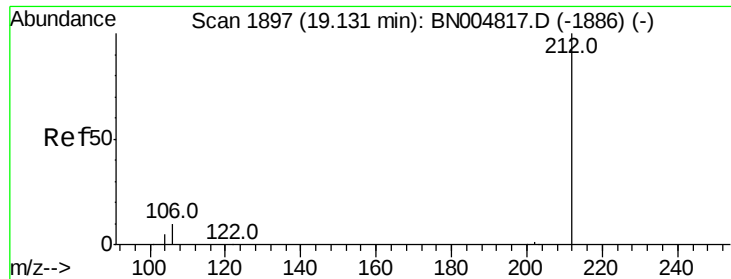
Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Tgt Ion:	178	Resp:	5107
Ion Ratio	Lower	Upper	
178	100		
176	19.4	14.5	21.7
179	19.6	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.315 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Instrument :

BNA_N

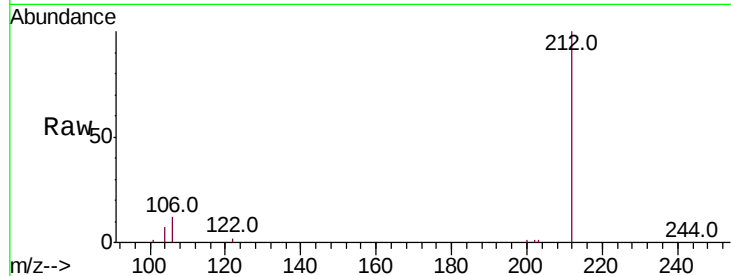
ClientSampleId :

PST-027-B107-030619

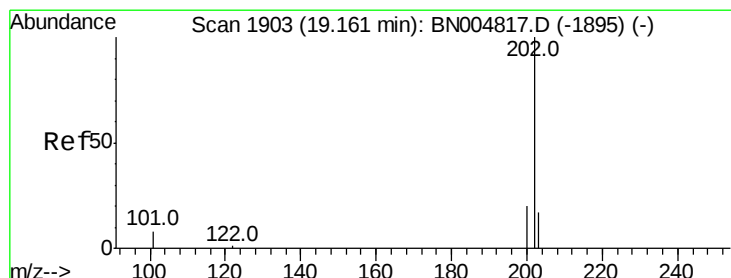
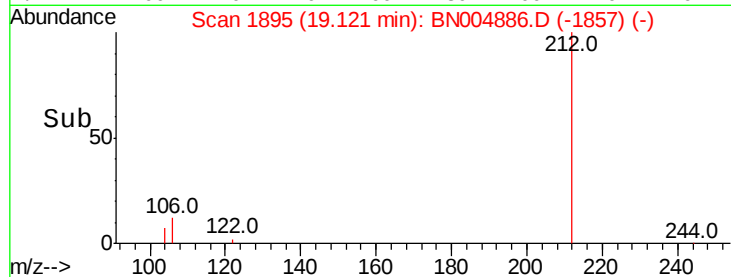
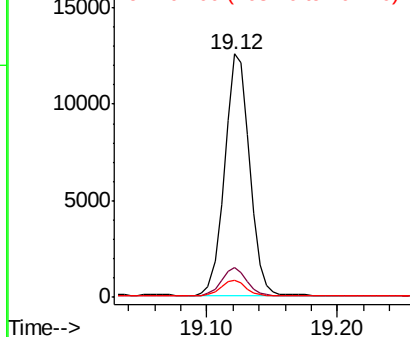
Tot Ion	Ratio	Lower	Upper
212	100		
106	12.0	8.6	13.0
104	6.7	4.7	7.1

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM



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: 1.064 ng

RT: 19.16 min Scan# 1902

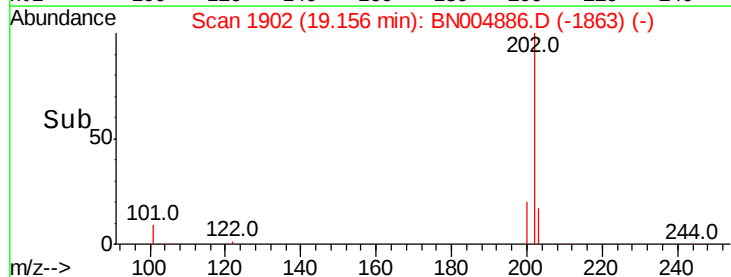
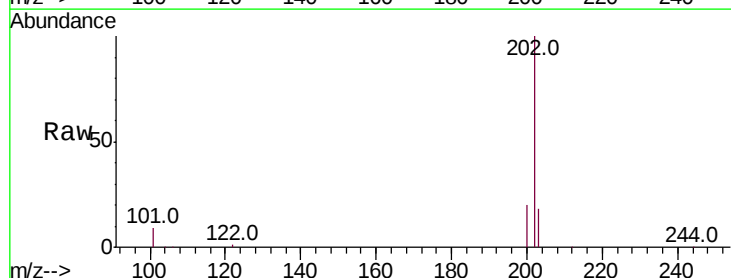
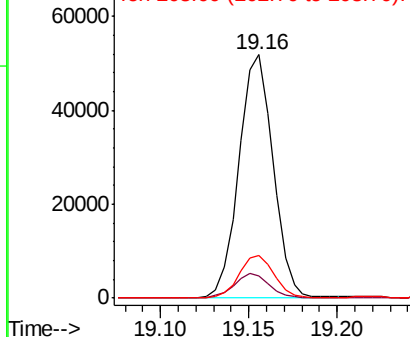
Delta R.T. -0.00 min

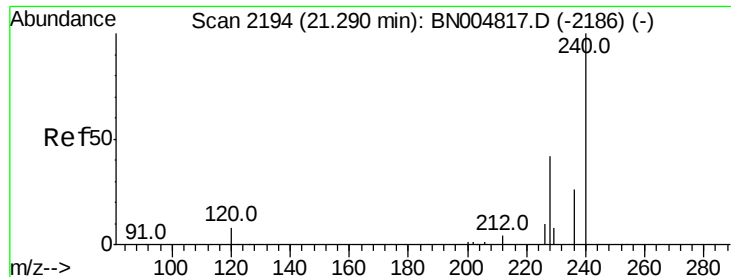
Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.5	11.3
203	17.5	13.8	20.6

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





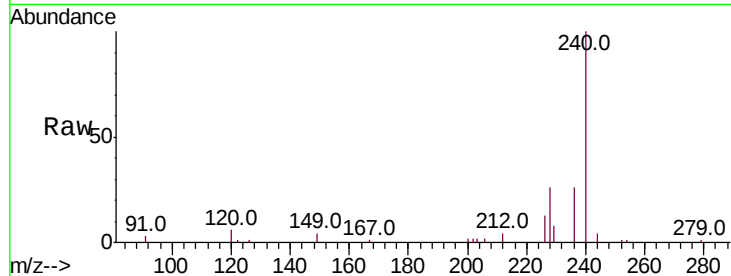
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Instrument :
BNA_N
ClientSampleId :
PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.0	7.2	10.8#
236	26.0	20.9	31.3

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM

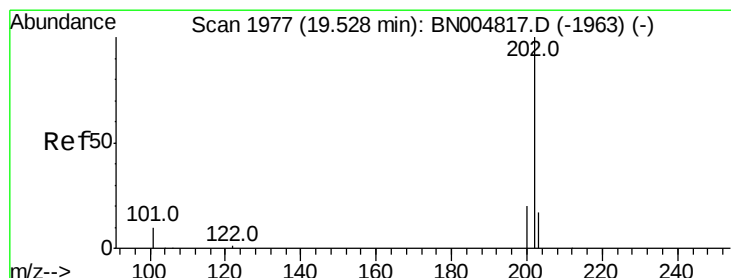
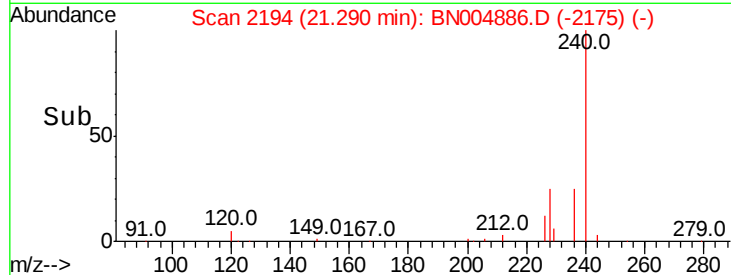
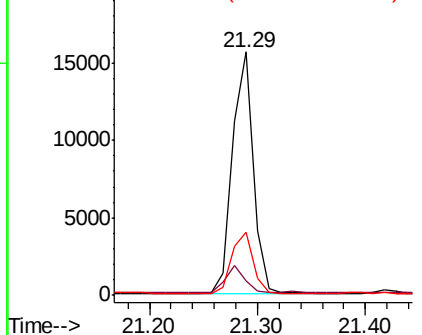


Abundance

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: 1.055 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

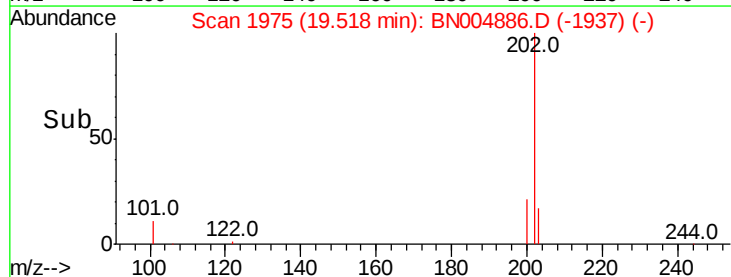
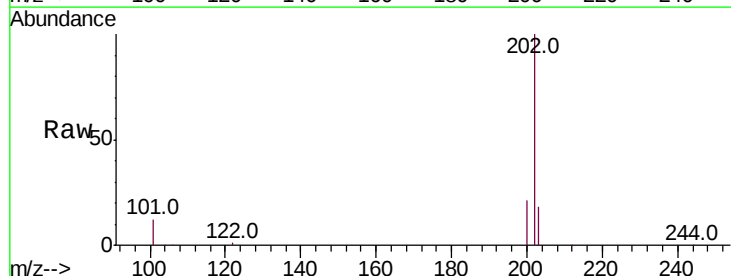
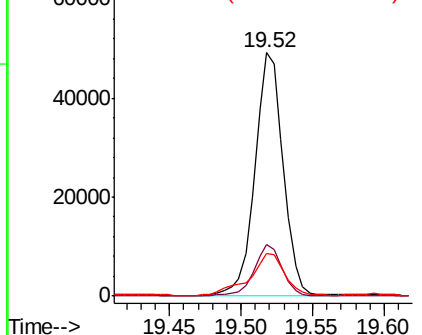
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	21.4	14.0	21.0#

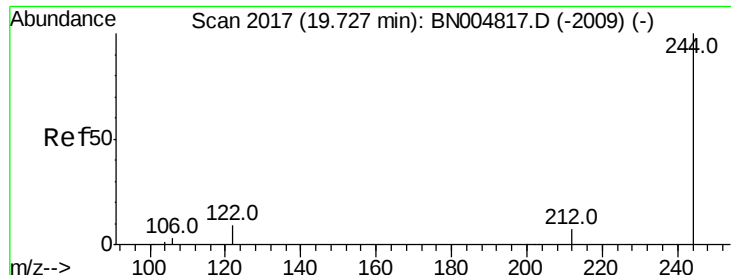
Abundance

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





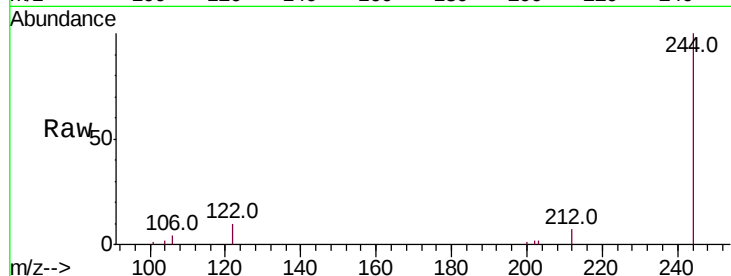
#29
 Terphenyl-d14
 Concen: 0.301 ng
 RT: 19.72 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BN004886.D
 Acq: 22 Mar 2019 13:02

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B107-030619

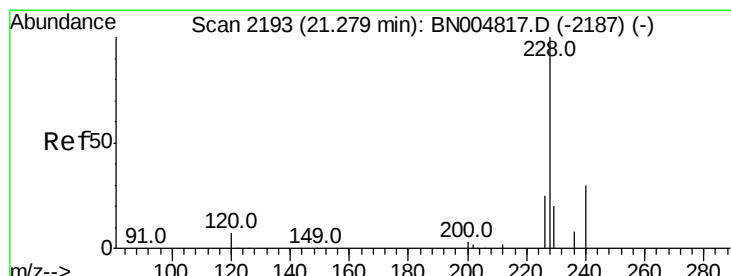
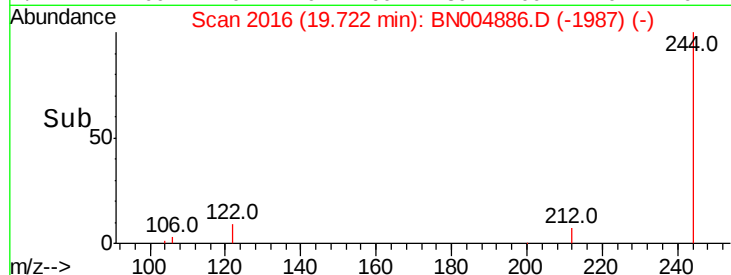
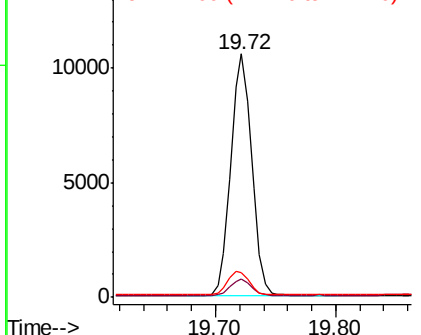
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	10.0	7.9	11.9

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:52:46 AM



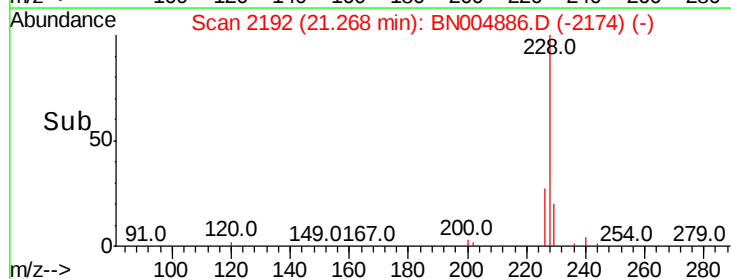
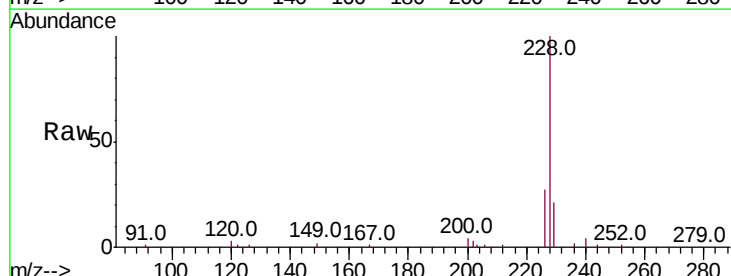
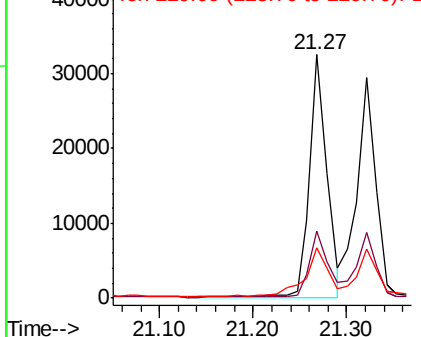
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

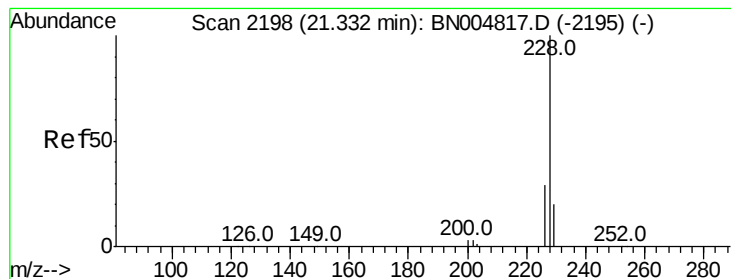


#30
 Benzo(a)anthracene
 Concen: 0.604 ng
 RT: 21.27 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: BN004886.D
 Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	20.6	31.0
229	20.8	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.566 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Instrument :

BNA_N

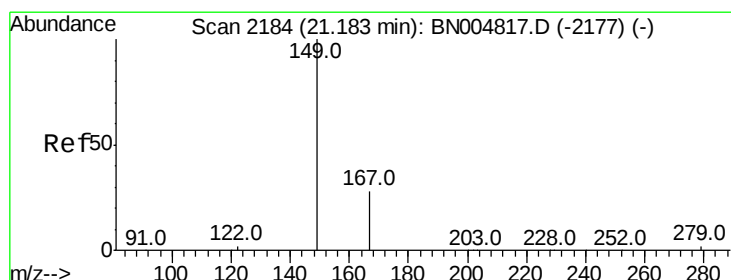
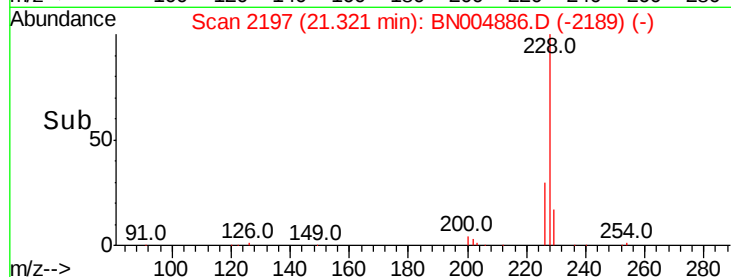
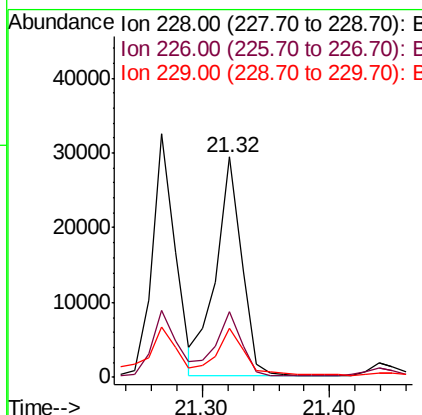
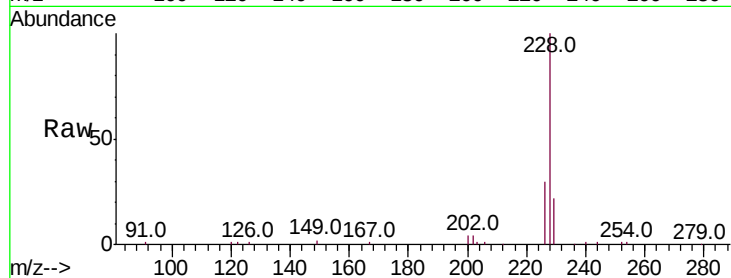
ClientSampleId :

PST-027-B107-030619

Tot Ion:	228	Resp:	40820
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.0	34.6
229	22.2	16.2	24.2

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.096 ng

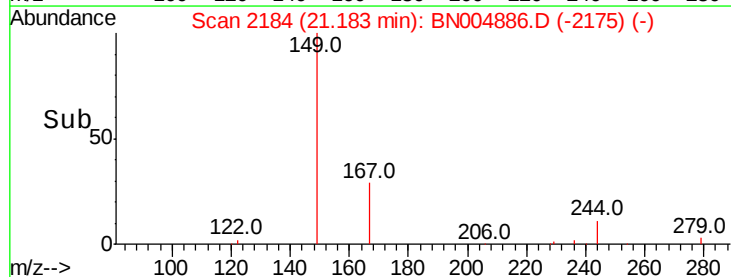
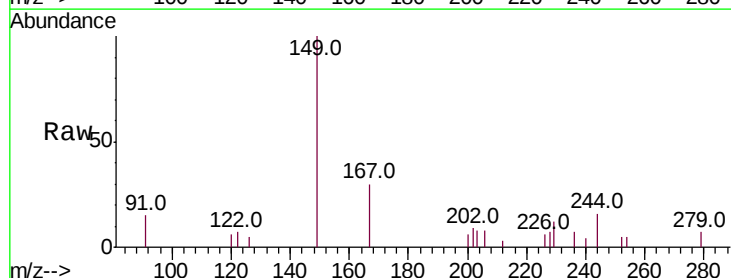
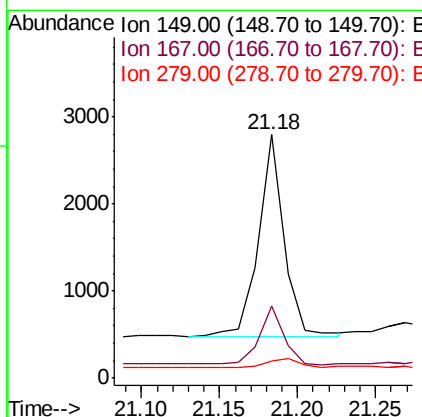
RT: 21.18 min Scan# 2184

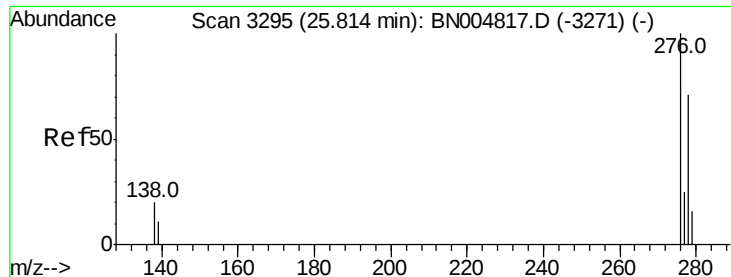
Delta R.T. 0.00 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Tgt Ion:	149	Resp:	2625
Ion	Ratio	Lower	Upper
149	100		
167	29.9	23.0	34.4
279	6.1	4.6	6.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.200 ng

RT: 25.81 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Instrument :

BNA_N

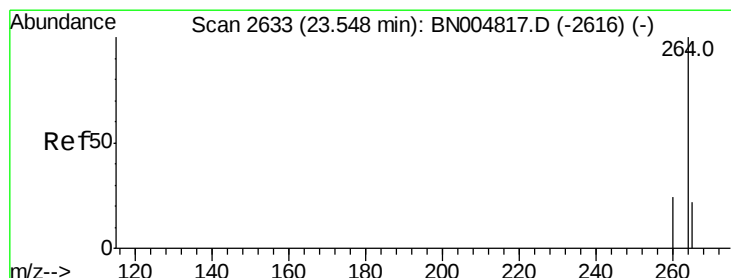
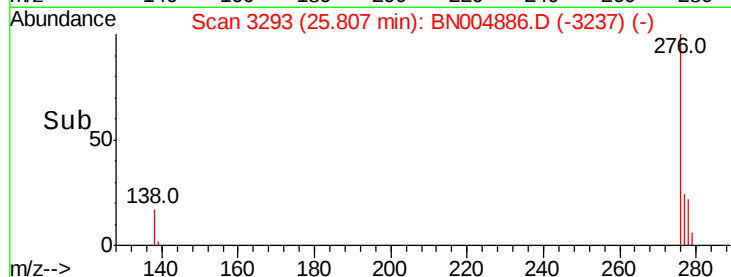
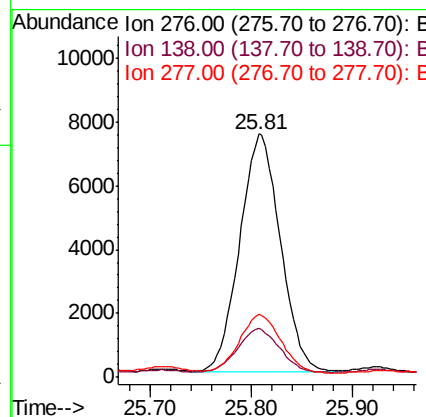
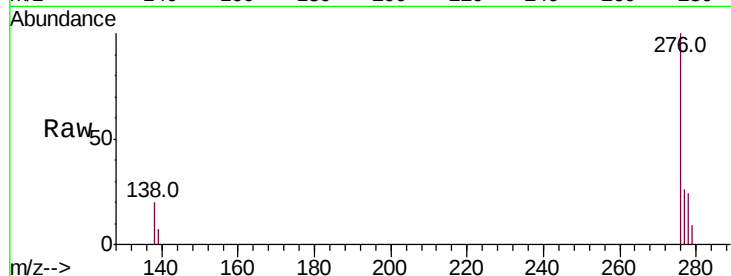
ClientSampleId :

PST-027-B107-030619

Tot Ion:	276	Resp:	20803
Ion Ratio	Lower	Upper	
276	100		
138	19.0	16.6	24.8
277	24.9	20.3	30.5

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM



#34

Perylene-d12

Concen: 0.400 ng

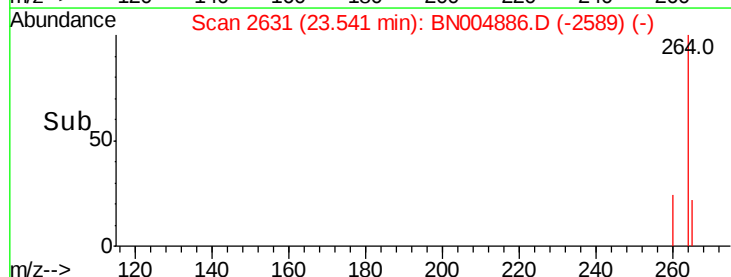
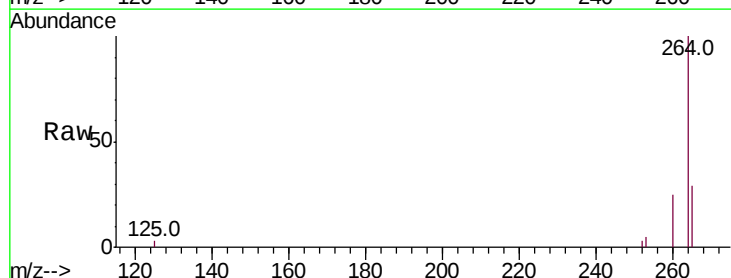
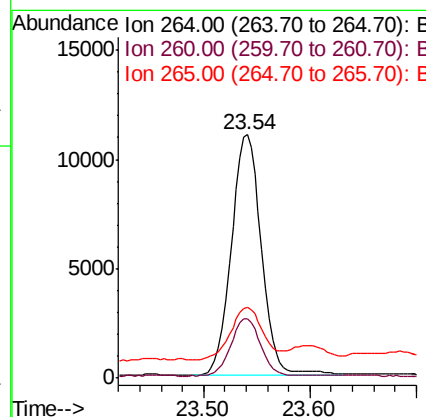
RT: 23.54 min Scan# 2631

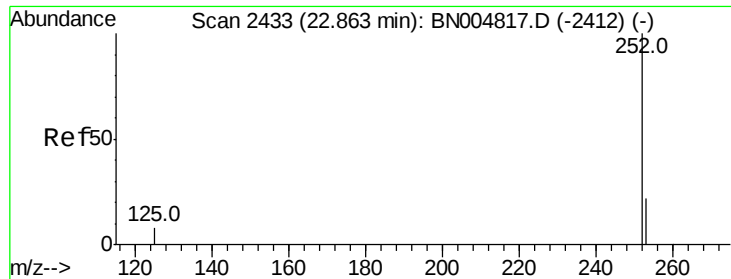
Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Tgt Ion:	264	Resp:	21678
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	29.1	23.1	34.7





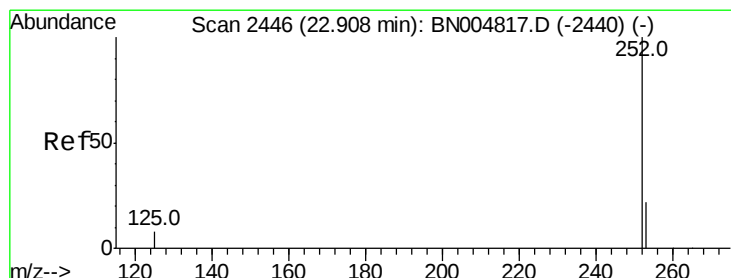
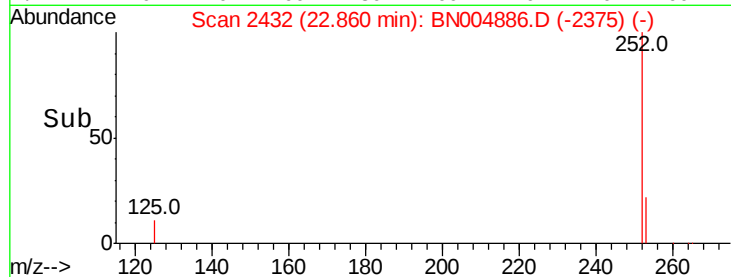
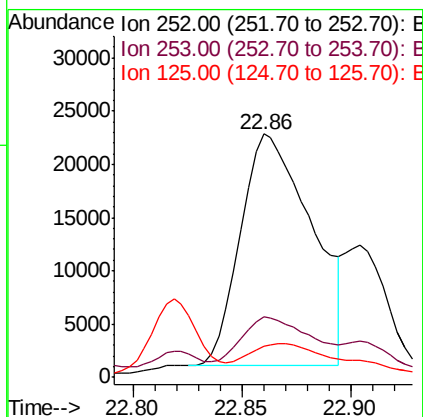
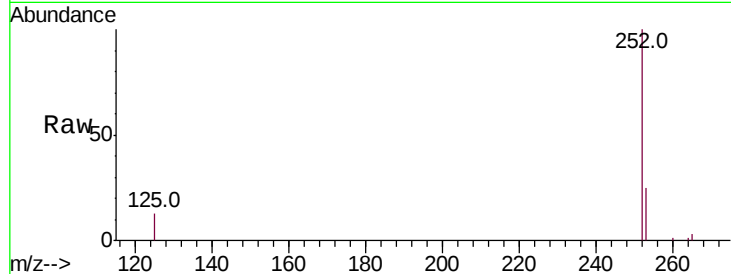
#35
Benzo(b)fluoranthene
Concen: 0.630 ng
RT: 22.86 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Instrument :
BNA_N
ClientSampleId :
PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.4
125	12.9	7.4	11.2

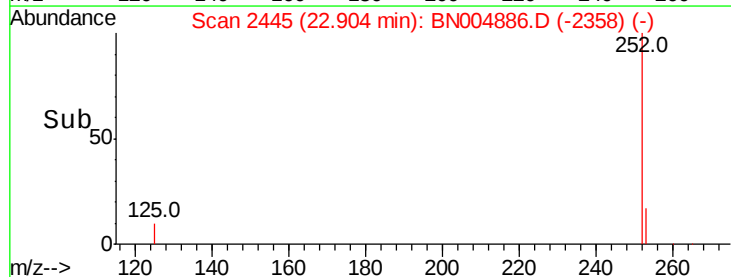
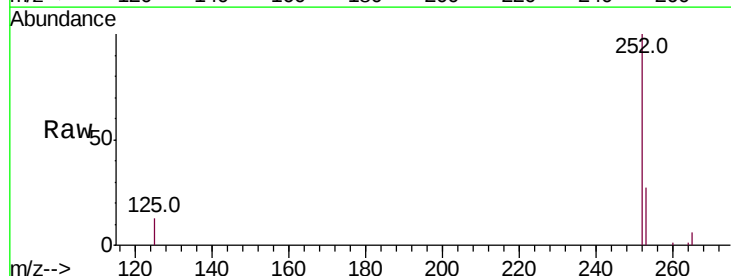
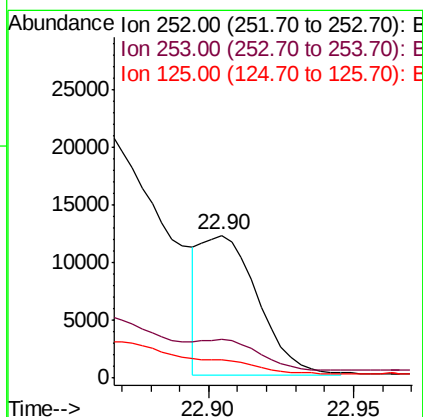
Manual Integrations
APPROVED

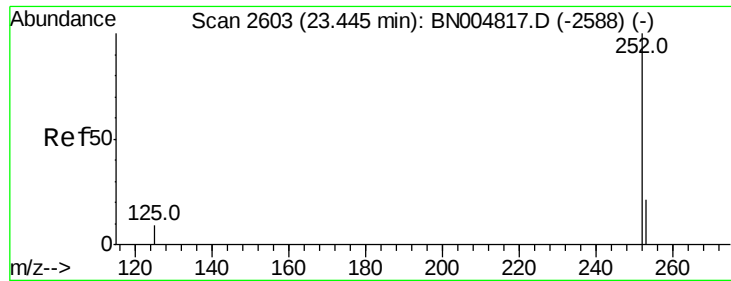
Sohil
3/25/2019 8:52:46 AM



#36
Benzo(k)fluoranthene
Concen: 0.215 ng m
RT: 22.90 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	19.3	28.9
125	12.8	7.4	11.0





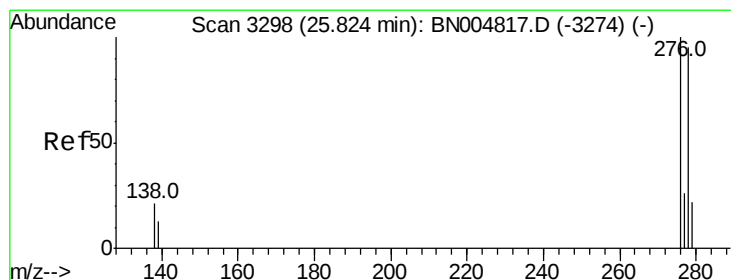
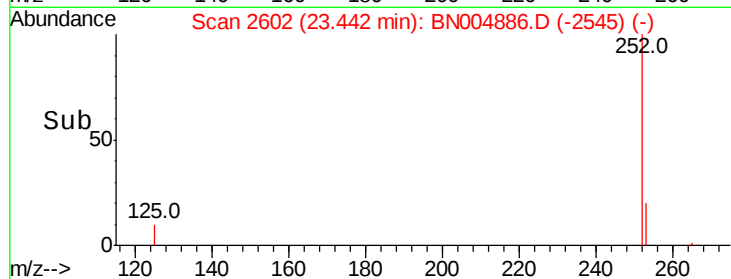
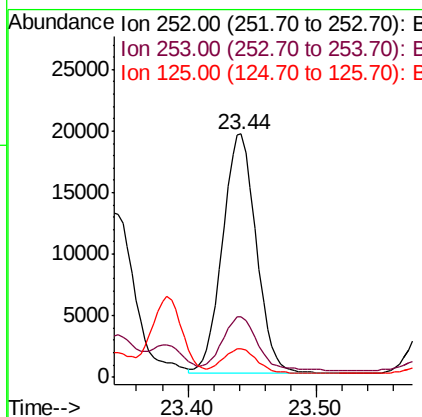
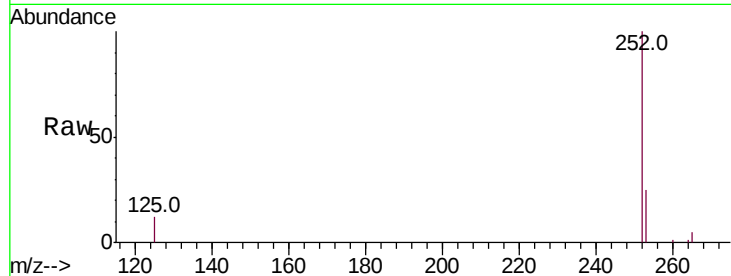
#37
Benzo(a)pyrene
Concen: 0.494 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Instrument :
BNA_N
ClientSampleId :
PST-027-B107-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.7	29.5
125	11.9	8.3	12.5

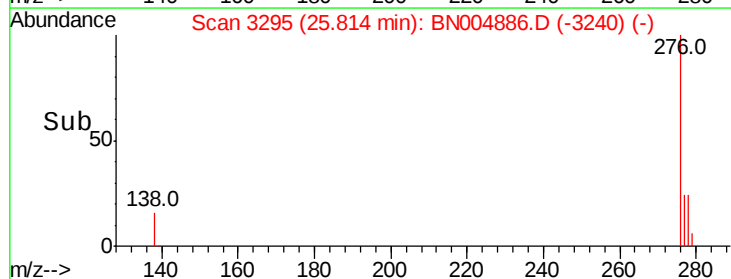
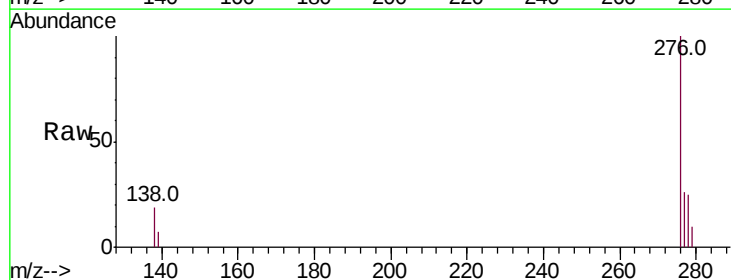
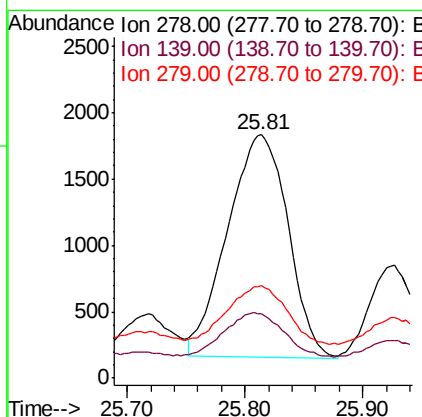
Manual Integrations
APPROVED

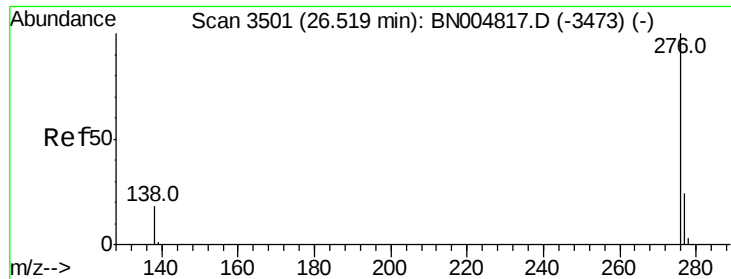
Sohil
3/25/2019 8:52:46 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.072 ng
RT: 25.81 min Scan# 3295
Delta R.T. -0.01 min
Lab File: BN004886.D
Acq: 22 Mar 2019 13:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	11.7	17.5#
279	37.9	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.230 ng

RT: 26.51 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BN004886.D

Acq: 22 Mar 2019 13:02

Instrument :

BNA_N

ClientSampleId :

PST-027-B107-030619

Tot Ion:	276	Resp:	19550
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.7	29.5
138	20.4	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/25/2019 8:52:46 AM

