

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004875.D
 Acq On : 22 Mar 2019 05:59
 Operator : JU/SJ
 Sample : K1817-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B112-030719

Manual Integrations
 APPROVED

Sohil
 3/22/2019 7:16:42 PM

Quant Time: Mar 22 07:56:15 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	2032	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	9262	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	5918	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	15485	0.40	ng	0.00
27) Chrysene-d12	21.29	240	21116	0.40	ng	0.00
34) Perylene-d12	23.54	264	23516	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2403	0.44	ng	0.00
5) Phenol-d6	6.87	99	3119	0.45	ng	0.00
8) Nitrobenzene-d5	8.87	82	2156	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	6052	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1315	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	9343	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	18731	0.36	ng	0.00
29) Terphenyl-d14	19.72	244	14721	0.34	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.13	178	5903	0.118	ng	99
24) Anthracene	17.23	178	1107	0.025	ng	97
26) Fluoranthene	19.16	202	11666	0.182	ng	# 96
28) Pyrene	19.52	202	11669	0.181	ng	# 95
30) Benzo(a)anthracene	21.27	228	7552	0.109	ng	94
31) Chrysene	21.32	228	6814	0.093	ng	94
32) Bis(2-ethylhexyl)phthalate	21.18	149	2184	0.079	ng	97
33) Indeno(1,2,3-cd)pyrene	25.82	276	4208	0.040	ng	98
35) Benzo(b)fluoranthene	22.87	252	8167	0.096	ng	# 79
36) Benzo(k)fluoranthene	22.90	252	3246m	0.039	ng	
37) Benzo(a)pyrene	23.45	252	6797	0.087	ng	# 81
39) Benzo(a,h,i)perylene	26.52	276	4021	0.044	ng	# 88

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

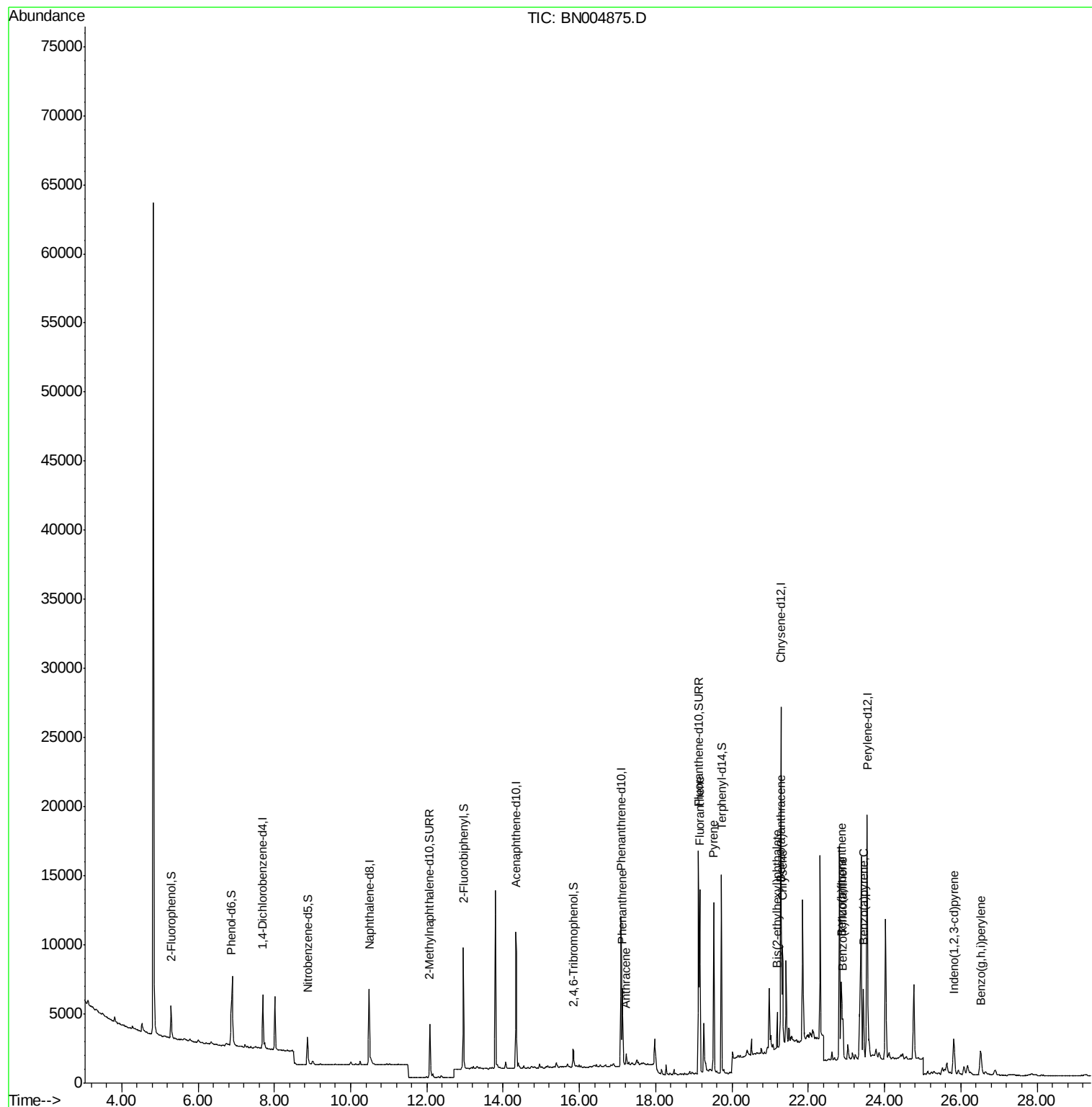
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004875.D
Acq On : 22 Mar 2019 05:59
Operator : JU/SJ
Sample : K1817-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

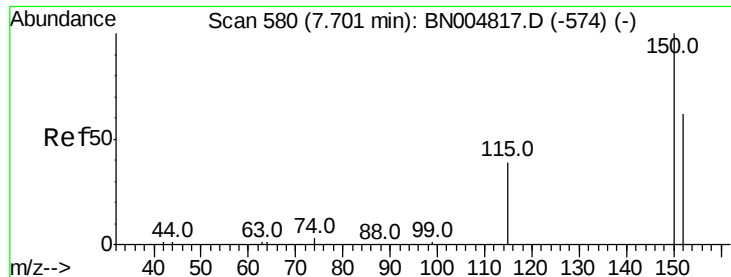
Instrument :
BNA_N
ClientSampleId :
PST-027-B112-030719

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM

Quant Time: Mar 22 07:56:15 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

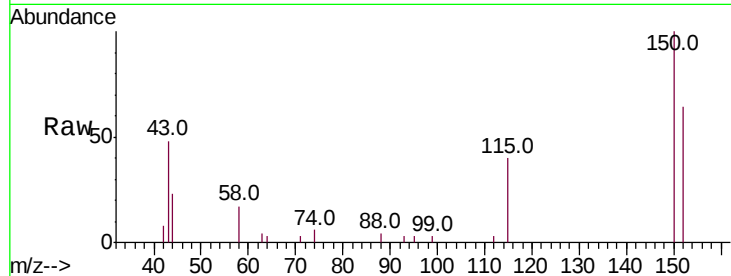
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Instrument :
BNA_N
ClientSampleId :
PST-027-B112-030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.4
115	62.6	52.6	79.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM

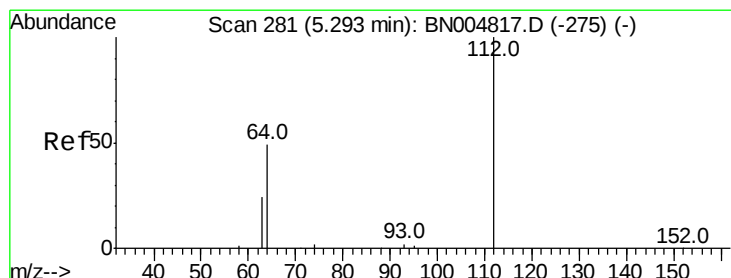
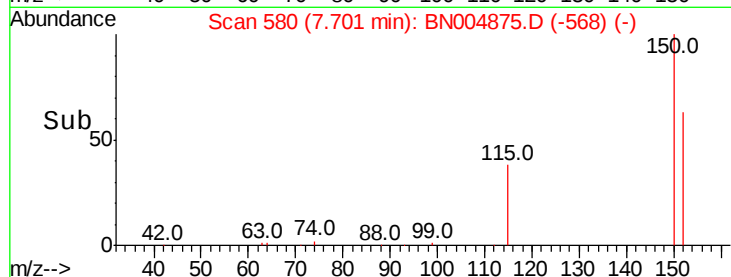
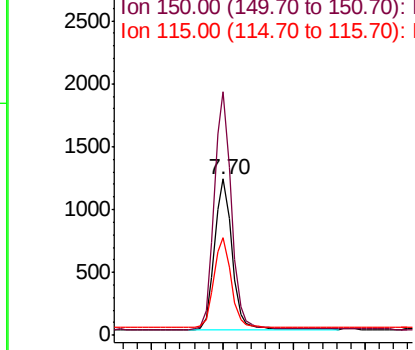


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

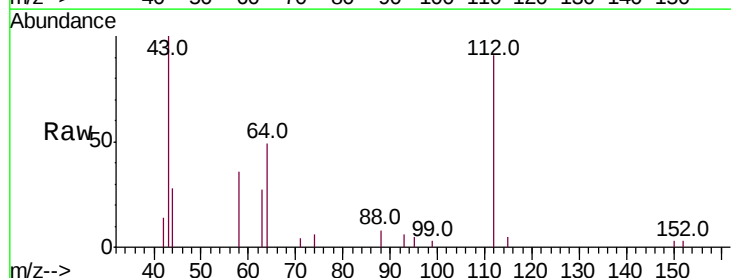
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.435 ng
RT: 5.29 min Scan# 281
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	40.0	60.0
63	26.6	20.2	30.2

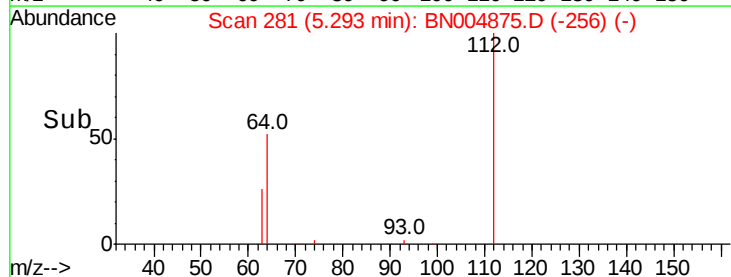
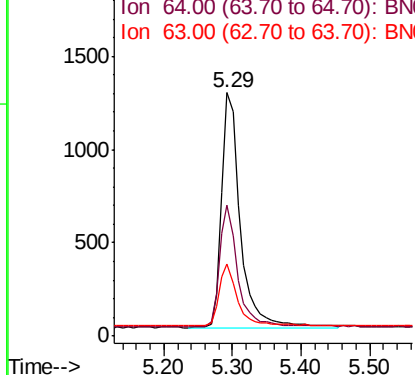


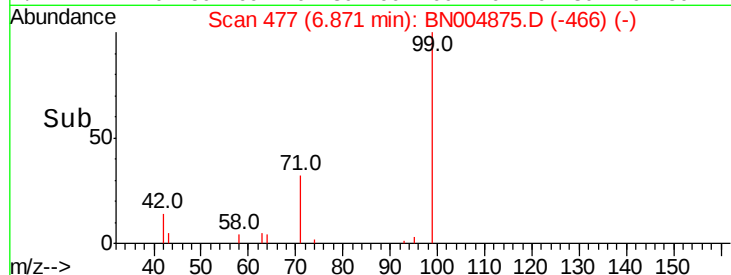
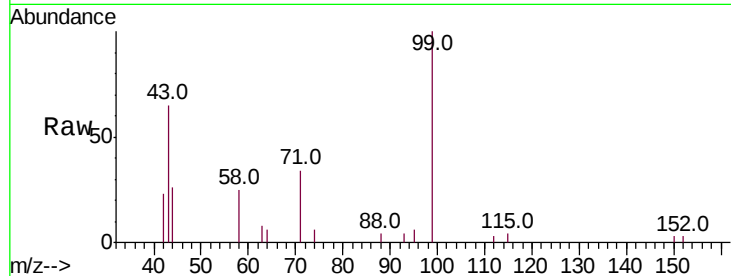
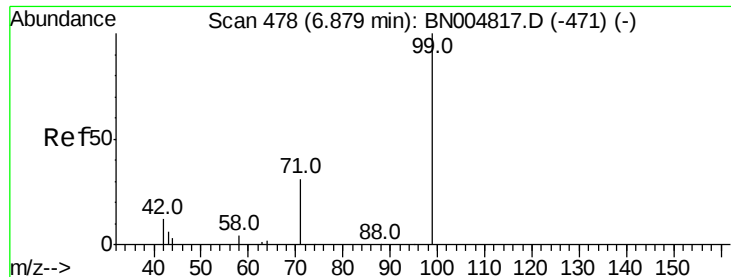
Abundance

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





#5

Phenol-d6

Concen: 0.454 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

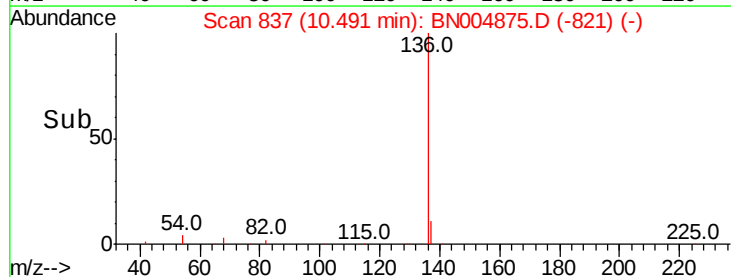
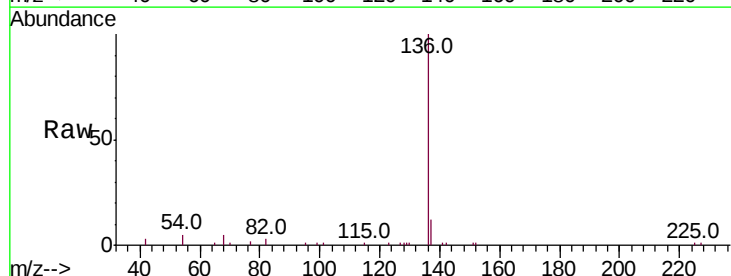
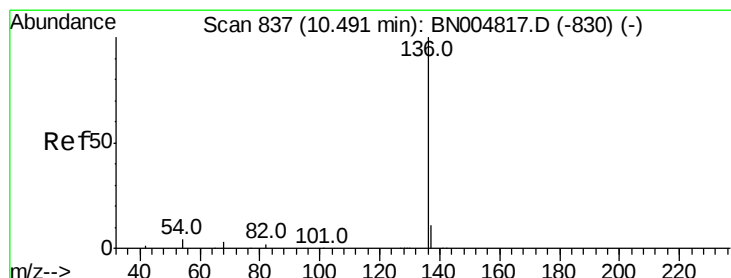
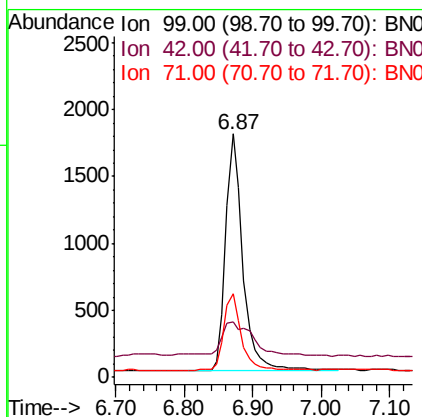
ClientSampleId :

PST-027-B112-030719

Tot Ion:	99	Resp:	3119
Ion	Ratio	Lower	Upper
99	100		
42	24.1	12.7	19.1#
71	32.5	26.6	40.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



#7

Naphthalene-d8

Concen: 0.400 ng

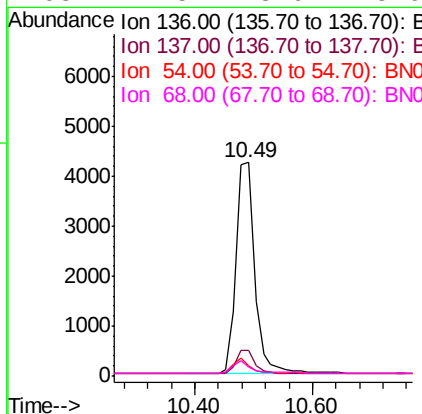
RT: 10.49 min Scan# 837

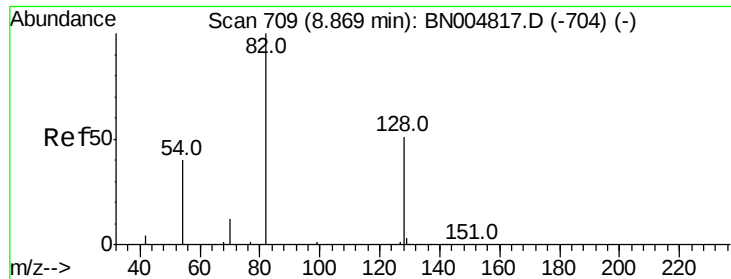
Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion:	136	Resp:	9262
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	5.0	4.2	6.2
68	4.5	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.352 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

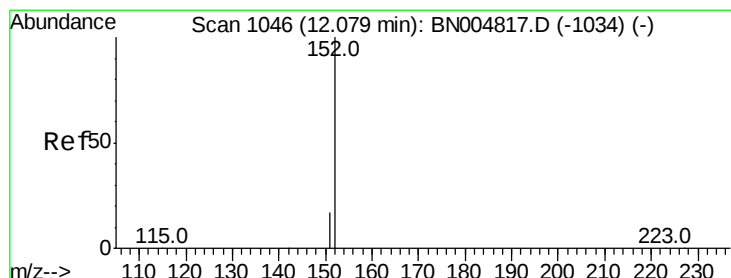
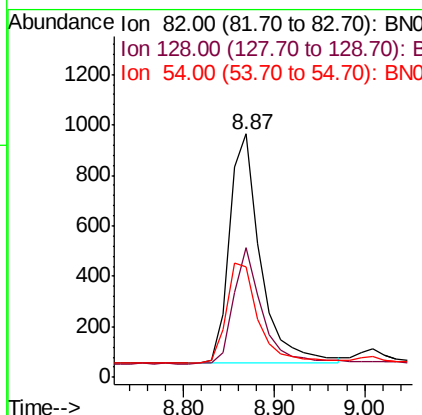
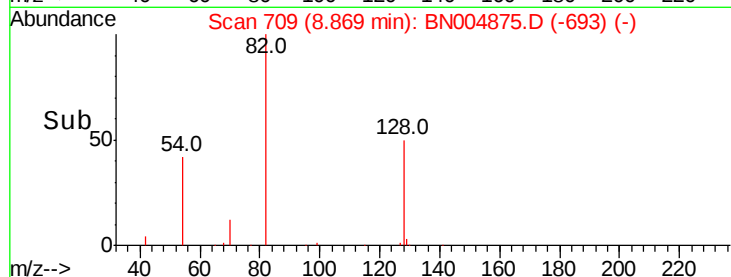
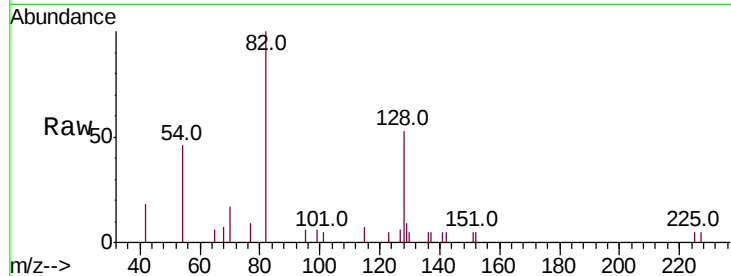
ClientSampleId :

PST-027-B112-030719

Tot Ion:	82	Resp:	2156
Ion Ratio	Lower	Upper	
82	100		
128	53.2	43.0	64.6
54	45.5	35.3	52.9

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

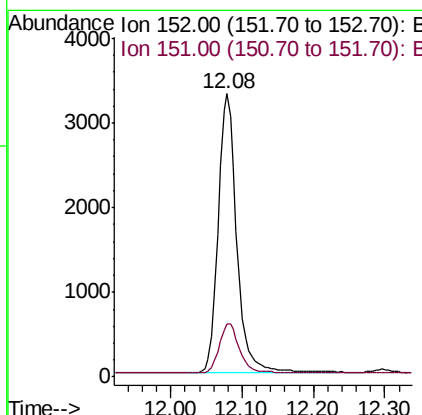
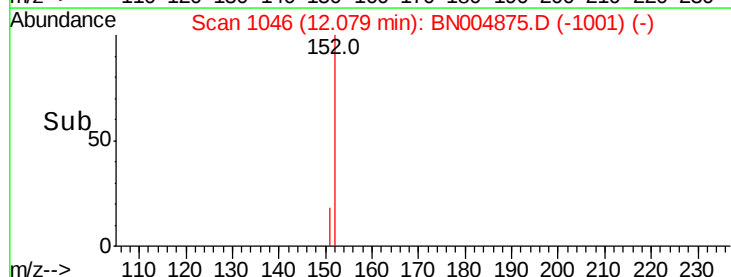
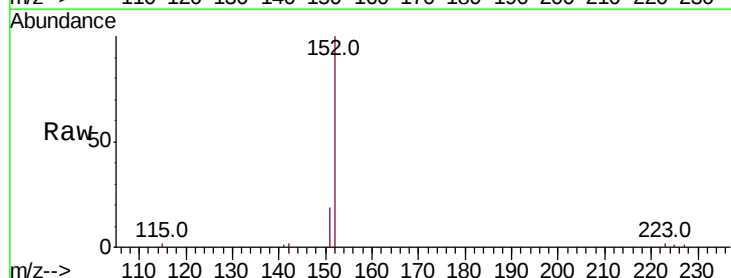
RT: 12.08 min Scan# 1046

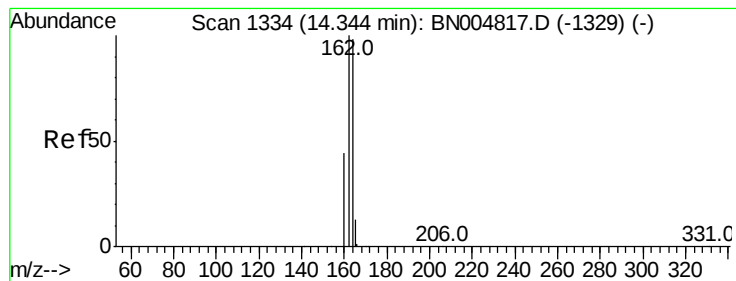
Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion:	152	Resp:	6052
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.5	23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

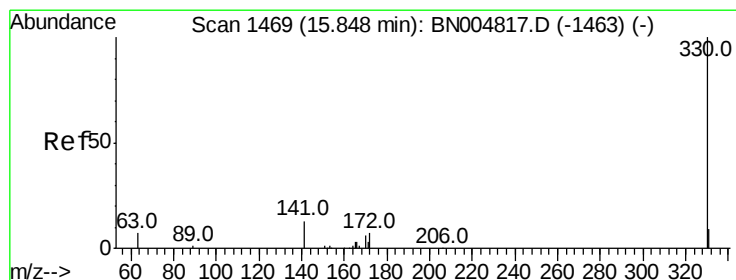
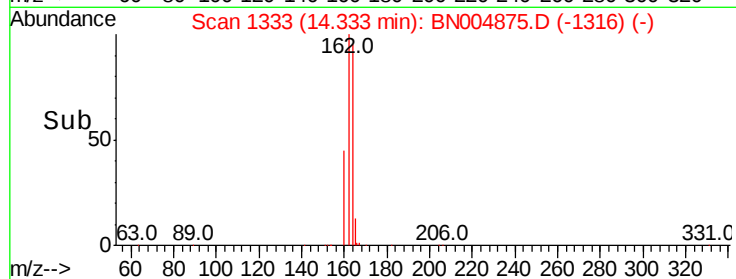
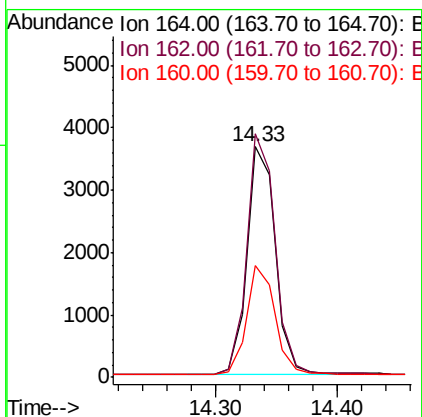
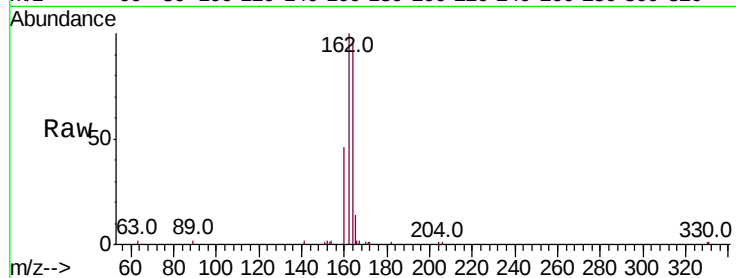
ClientSampleId :

PST-027-B112-030719

Tot Ion:	164	Resp:	5918
Ion Ratio	Lower	Upper	
164	100		
162	105.5	81.9	122.9
160	48.5	36.6	54.8

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



#14

2,4,6-Tribromophenol

Concen: 0.322 ng

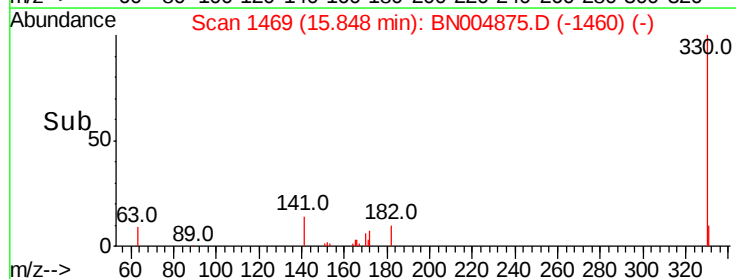
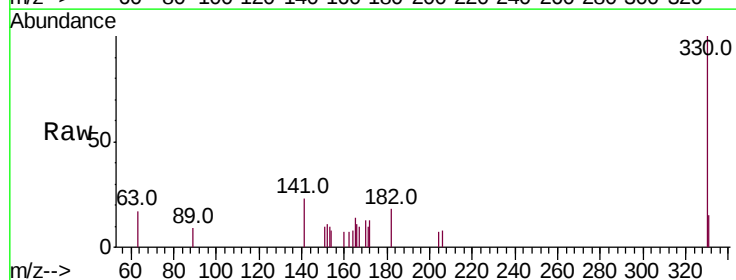
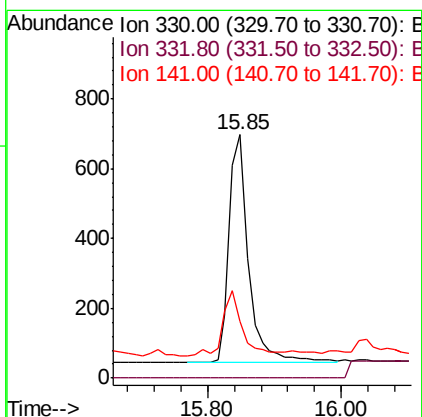
RT: 15.85 min Scan# 1469

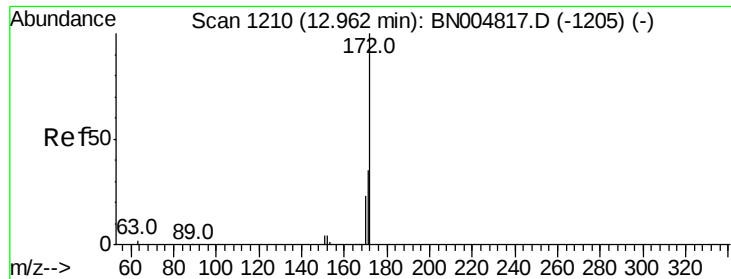
Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion:	330	Resp:	1315
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	31.4	20.9	31.3#





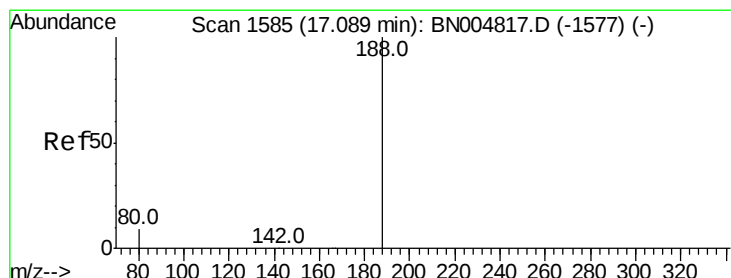
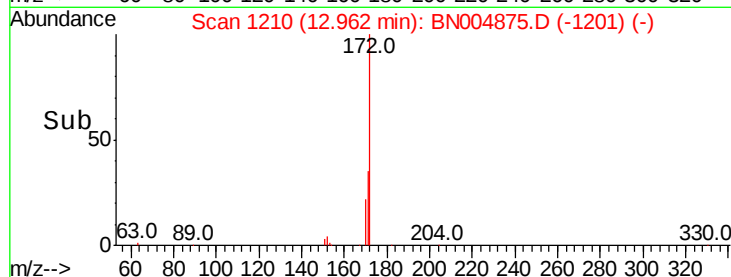
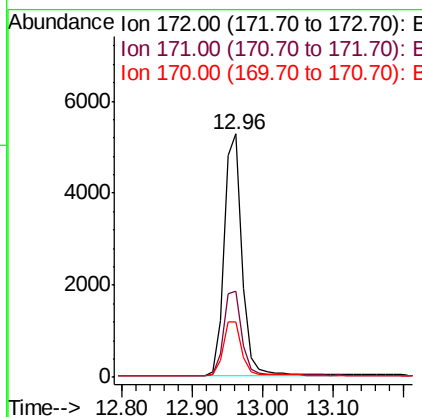
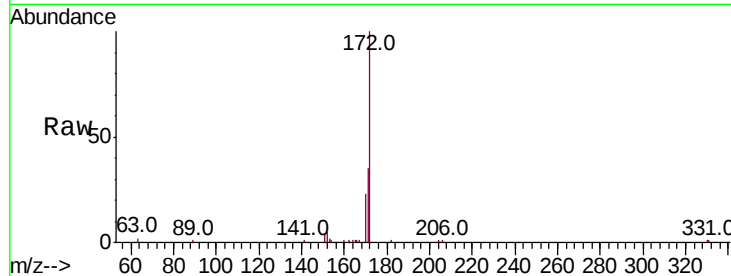
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Instrument :
BNA_N
ClientSampleId :
PST-027-B112-030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	22.7	18.7	28.1

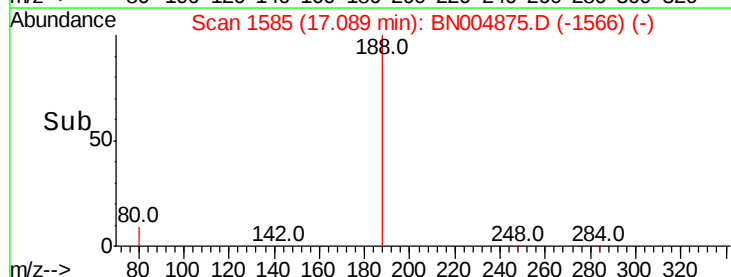
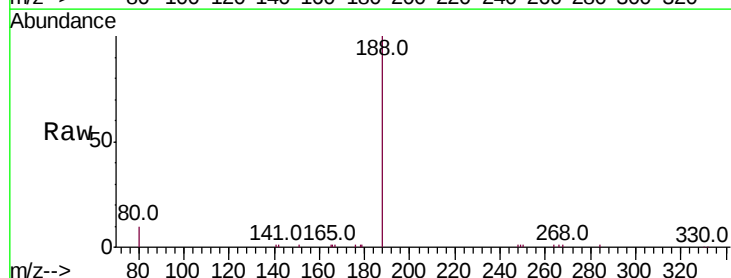
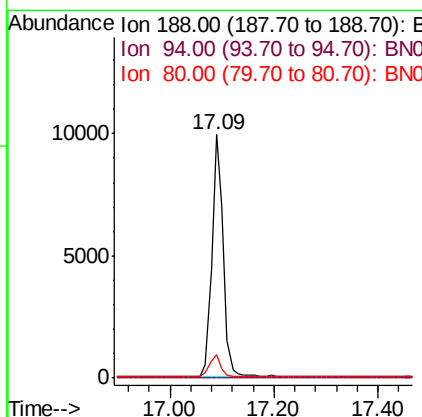
Manual Integrations
APPROVED

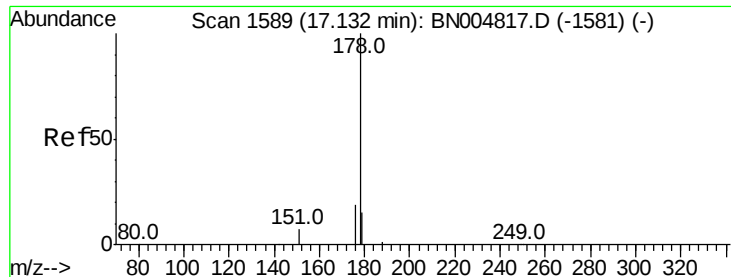
Sohil
3/22/2019 7:16:42 PM



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	7.4	11.2





#23

Phenanthrene

Concen: 0.118 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

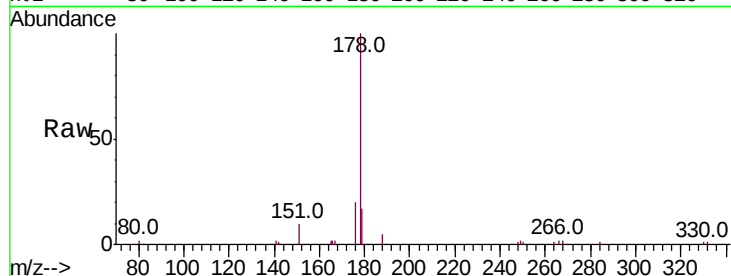
ClientSampleId :

PST-027-B112-030719

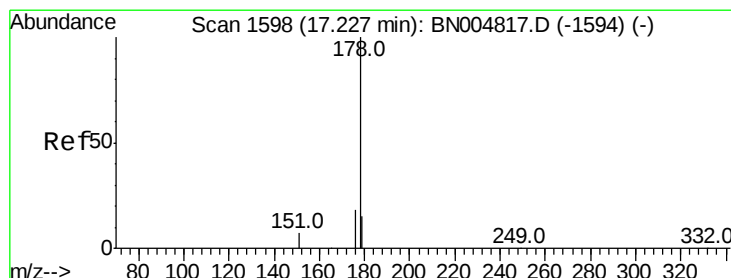
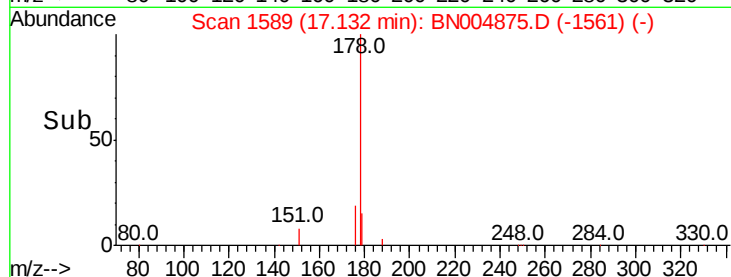
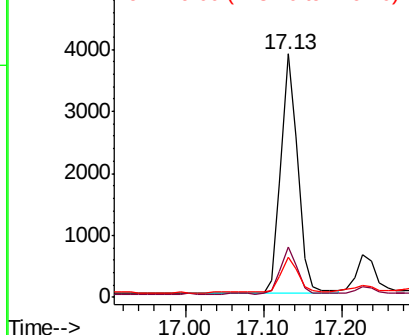
Tot Ion:	178	Resp:	5903
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.9	12.1	18.1

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.025 ng

RT: 17.23 min Scan# 1598

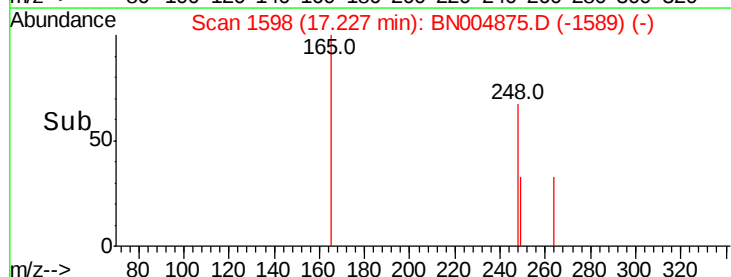
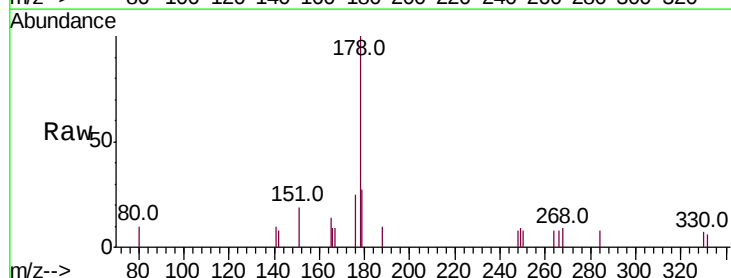
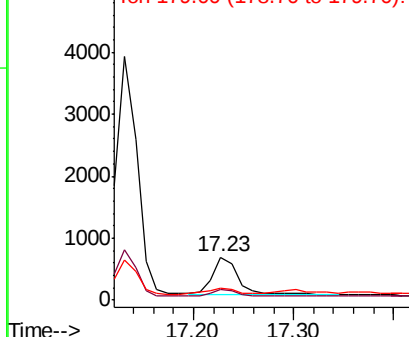
Delta R.T. 0.00 min

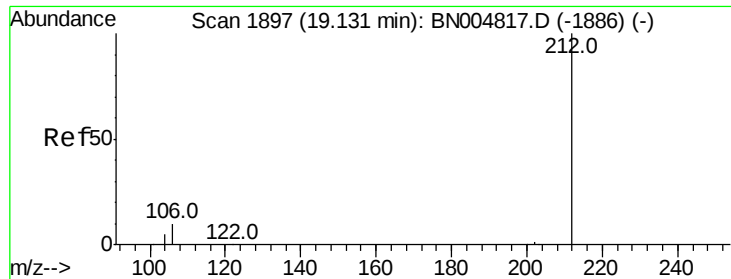
Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion:	178	Resp:	1107
Ion Ratio	Lower	Upper	
178	100		
176	16.4	14.5	21.7
179	16.3	12.2	18.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.361 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

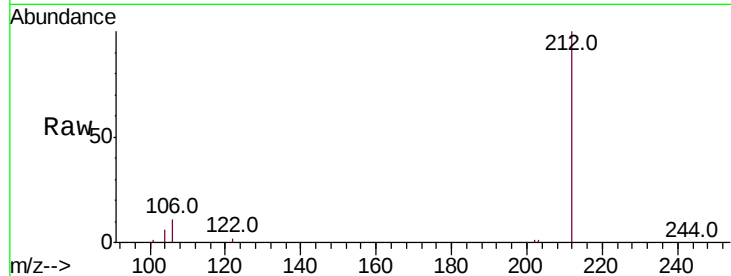
ClientSampleId :

PST-027-B112-030719

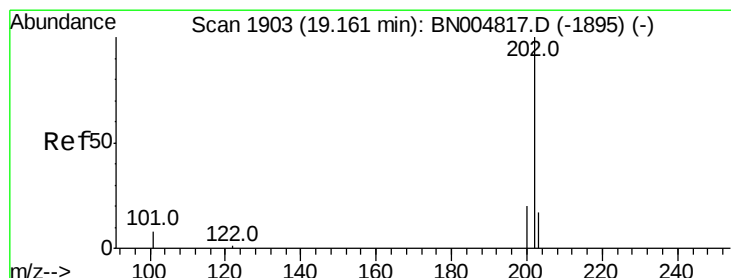
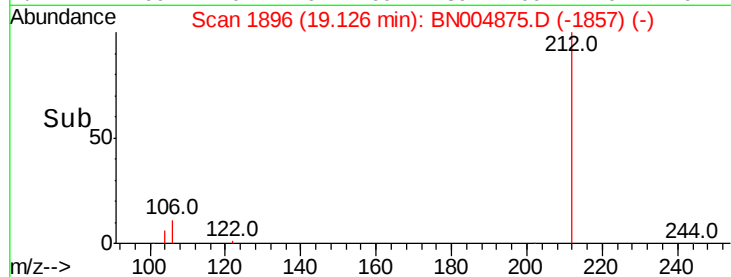
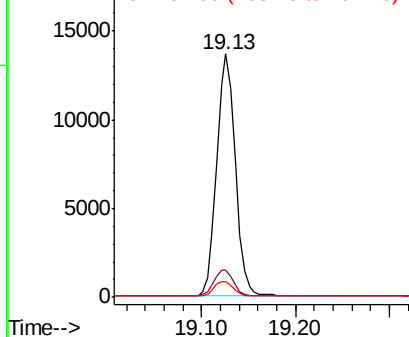
Tot Ion:	212	Resp:	18731
Ion Ratio	Lower	Upper	
212	100		
106	11.7	8.6	13.0
104	6.4	4.7	7.1

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



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: 0.182 ng

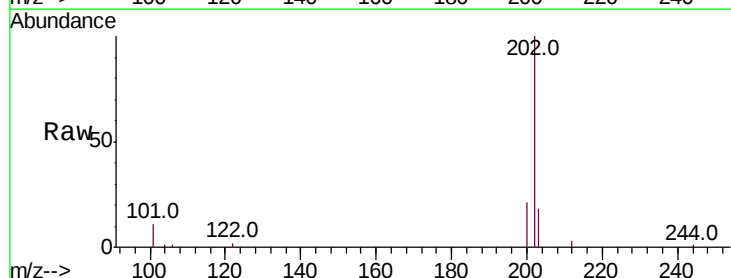
RT: 19.16 min Scan# 1902

Delta R.T. -0.00 min

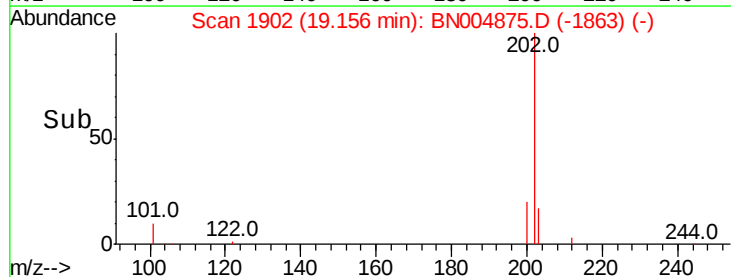
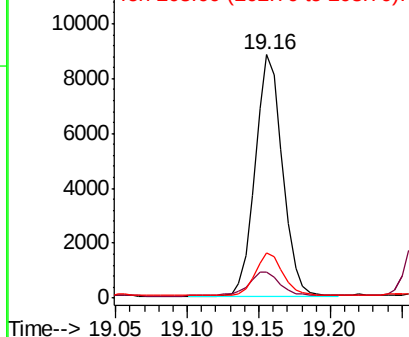
Lab File: BN004875.D

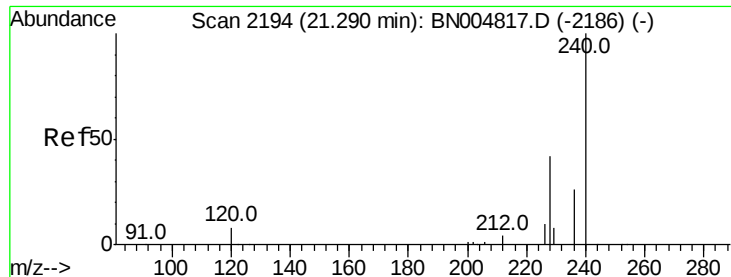
Acq: 22 Mar 2019 05:59

Tgt Ion:	202	Resp:	11666
Ion Ratio	Lower	Upper	
202	100		
101	12.0	7.5	11.3#
203	17.9	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: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

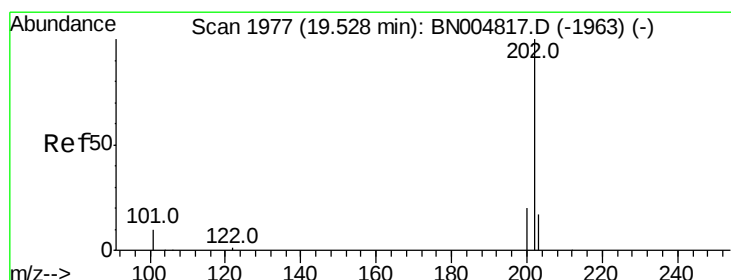
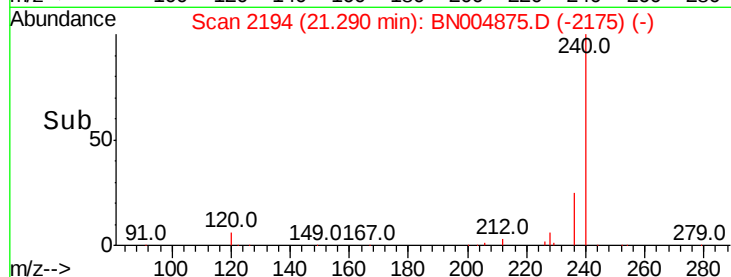
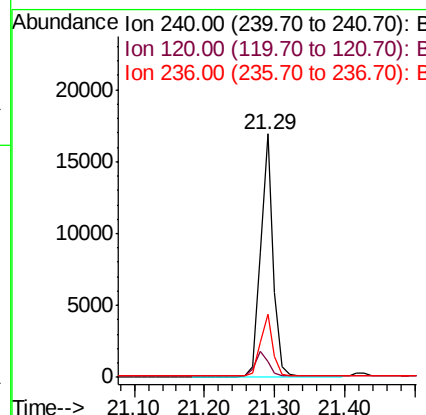
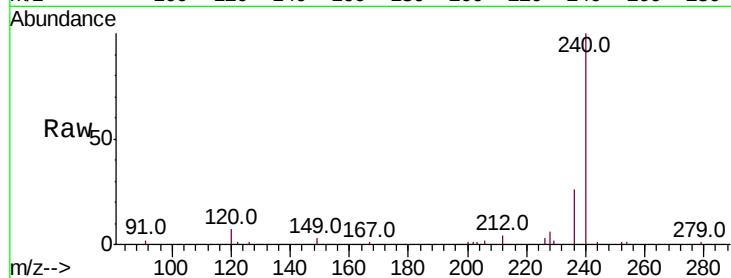
ClientSampleId :

PST-027-B112-030719

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.7	7.2	10.8#
236	25.8	20.9	31.3

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



#28

Pyrene

Concen: 0.181 ng

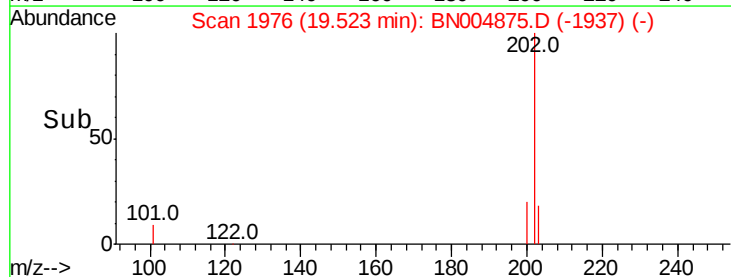
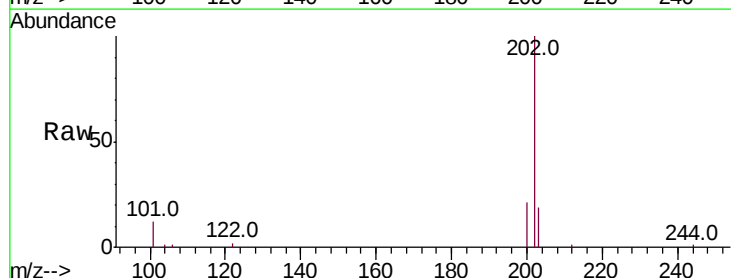
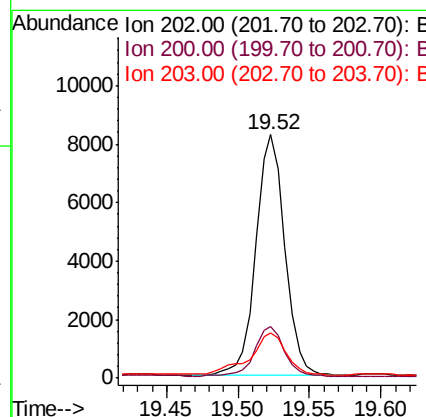
RT: 19.52 min Scan# 1976

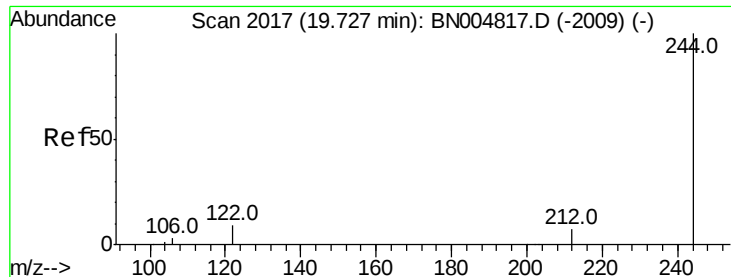
Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	21.7	14.0	21.0#





#29

Terphenyl-d14

Concen: 0.341 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

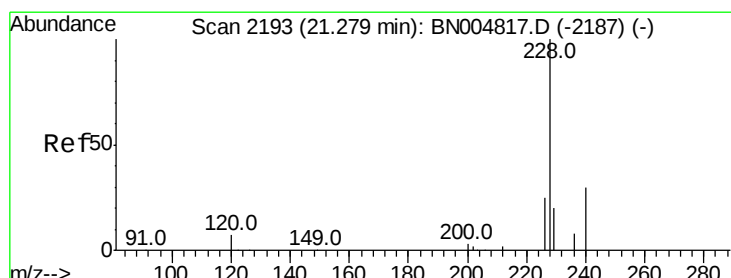
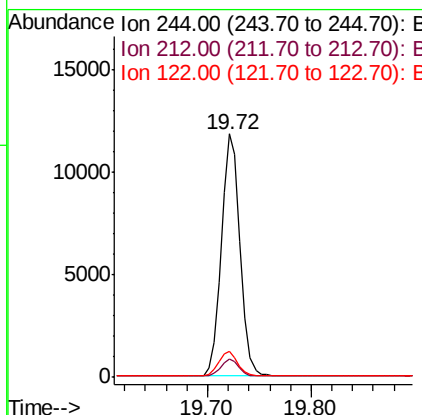
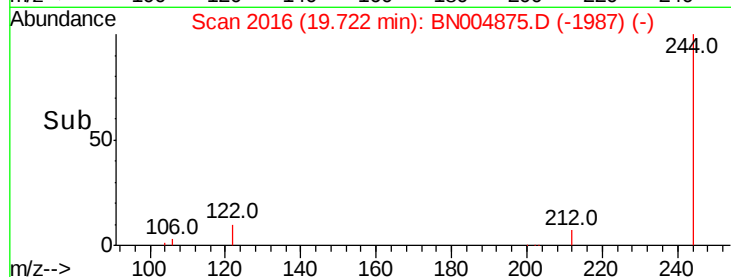
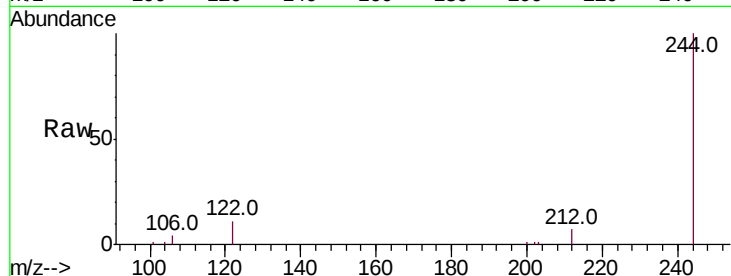
ClientSampleId :

PST-027-B112-030719

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	10.7	7.9	11.9

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



#30

Benzo(a)anthracene

Concen: 0.109 ng

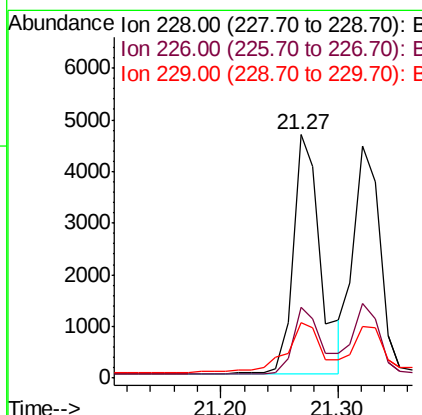
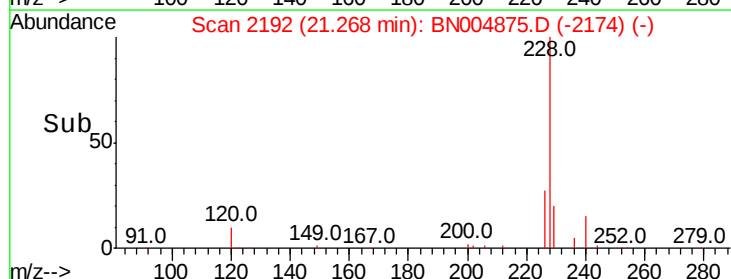
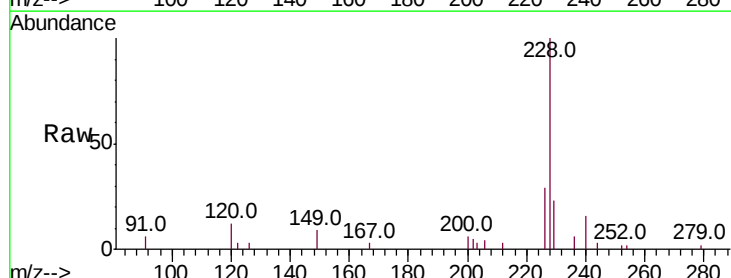
RT: 21.27 min Scan# 2192

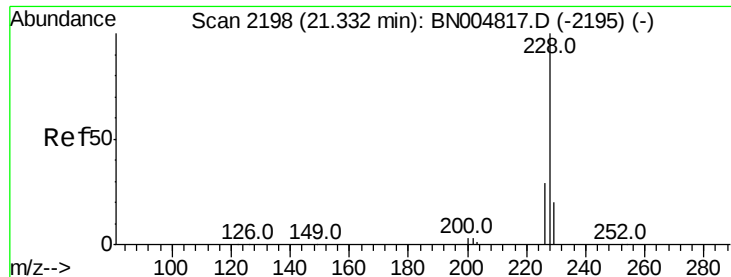
Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	20.6	31.0
229	22.7	16.2	24.4





#31

Chrysene

Concen: 0.093 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

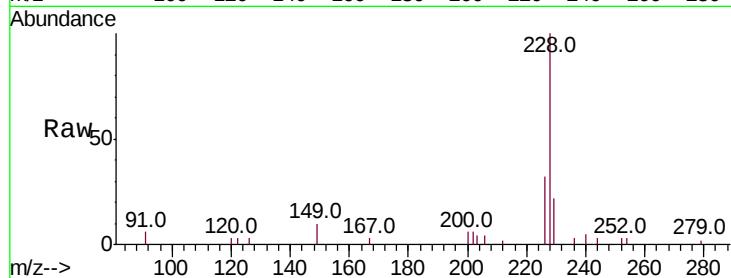
ClientSampleId :

PST-027-B112-030719

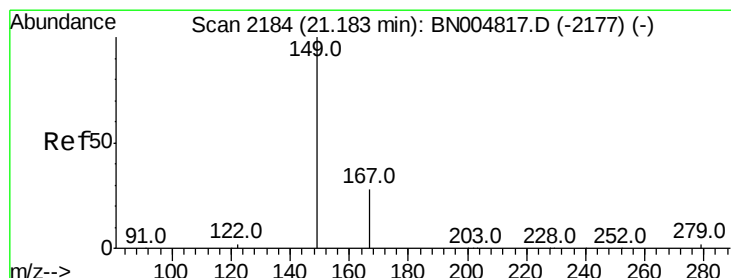
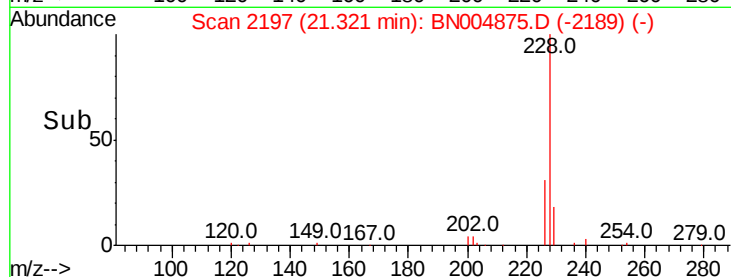
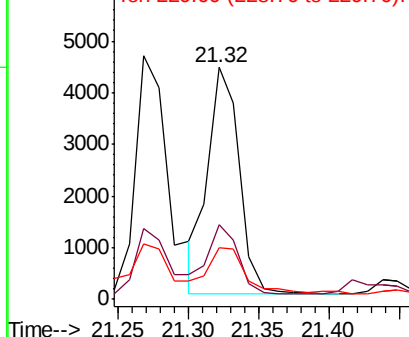
Tot Ion:	228	Resp:	6814
Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.0	34.6
229	22.1	16.2	24.2

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.079 ng

RT: 21.18 min Scan# 2184

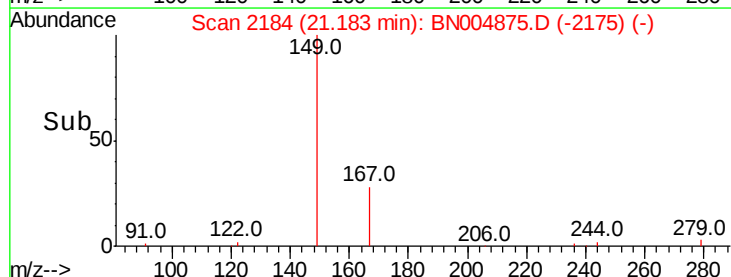
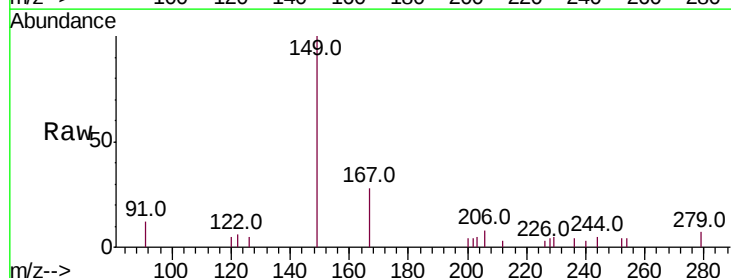
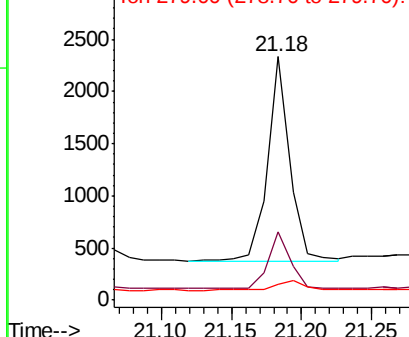
Delta R.T. 0.00 min

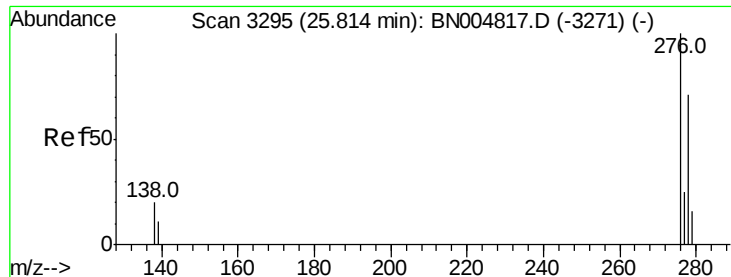
Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion:	149	Resp:	2184
Ion	Ratio	Lower	Upper
149	100		
167	27.2	23.0	34.4
279	6.2	4.6	6.8

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.040 ng

RT: 25.82 min Scan# 3297

Delta R.T. 0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

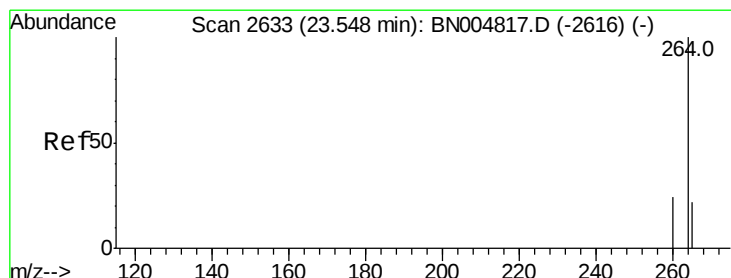
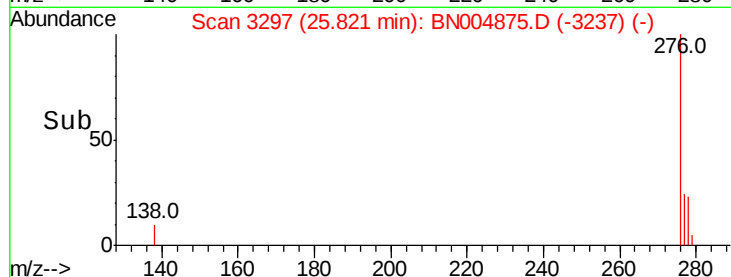
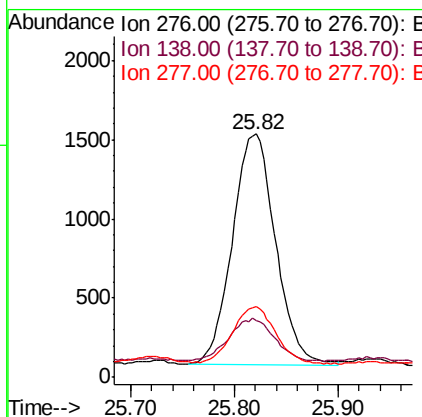
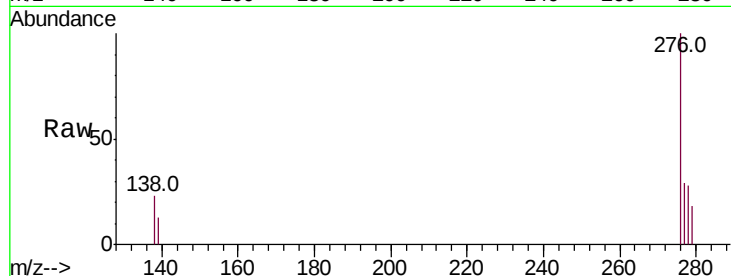
ClientSampleId :

PST-027-B112-030719

Tot Ion:	276	Resp:	4208
Ion Ratio	Lower	Upper	
276	100		
138	19.4	16.6	24.8
277	25.0	20.3	30.5

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM



#34

Perylene-d12

Concen: 0.400 ng

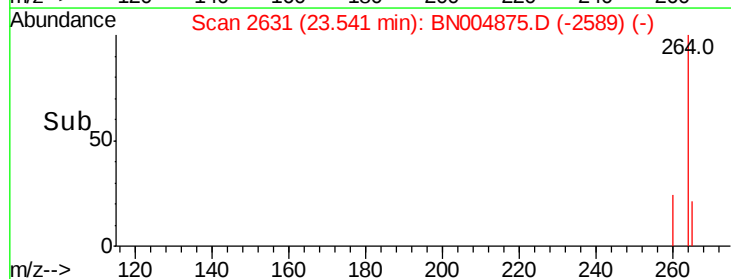
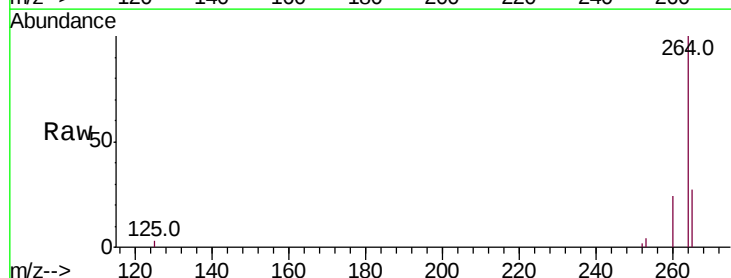
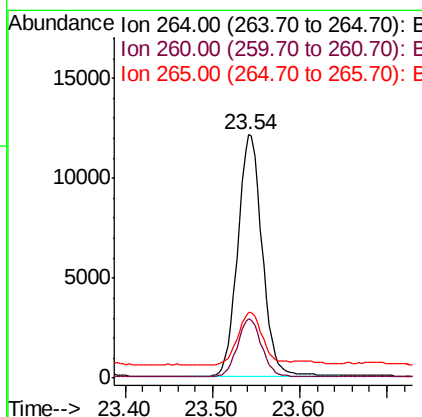
RT: 23.54 min Scan# 2631

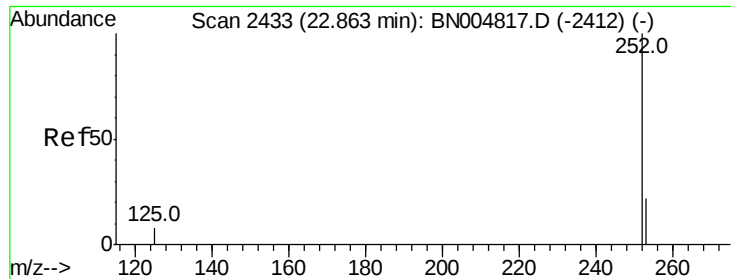
Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion:	264	Resp:	23516
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	26.8	23.1	34.7





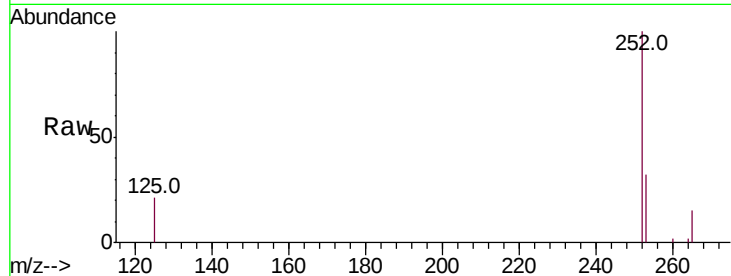
#35
Benzo(b)fluoranthene
Concen: 0.096 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Instrument :
BNA_N
ClientSampleId :
PST-027-B112-030719

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.1	19.0	28.4#
125	20.9	7.4	11.2#

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 PM

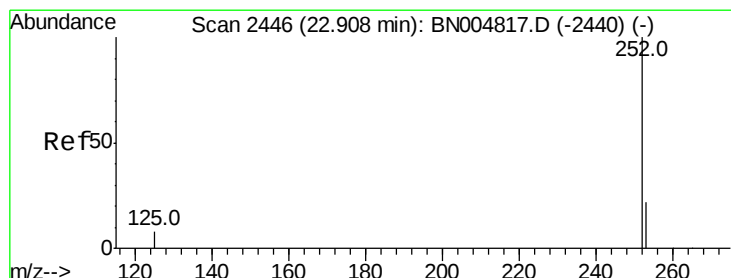
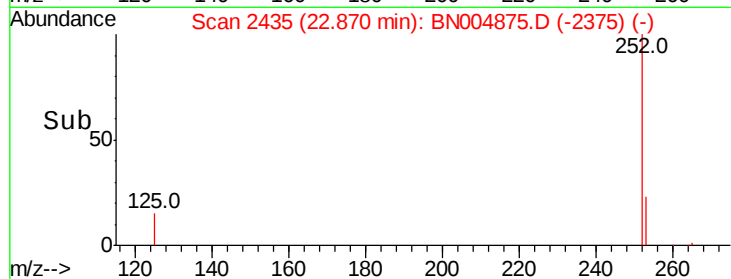
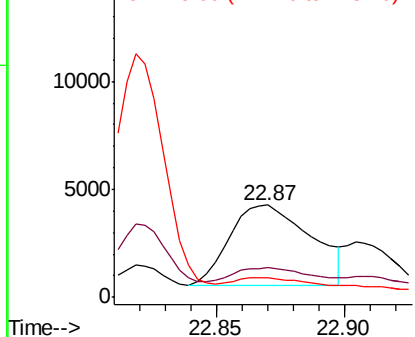


Abundance

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



#36
Benzo(k)fluoranthene
Concen: 0.039 ng m
RT: 22.90 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

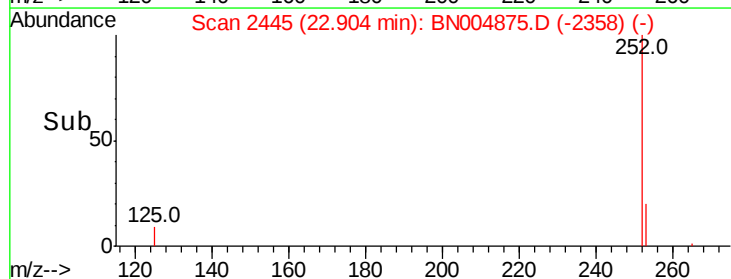
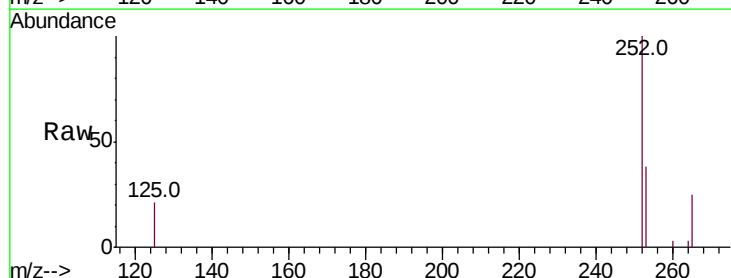
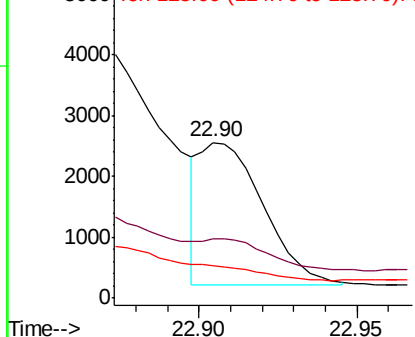
Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.3	19.3	28.9#
125	21.2	7.4	11.0#

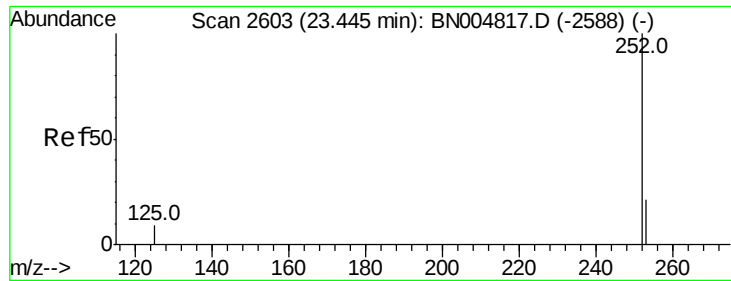
Abundance

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





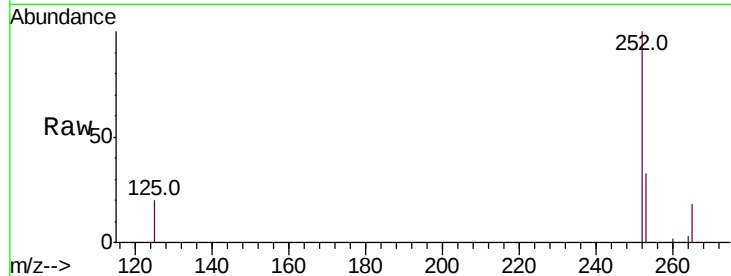
#37
Benzo(a)pyrene
Concen: 0.087 ng
RT: 23.45 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Instrument :
BNA_N
ClientSampleId :
PST-027-B112-030719

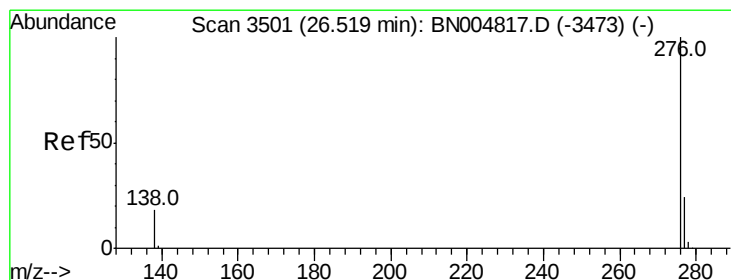
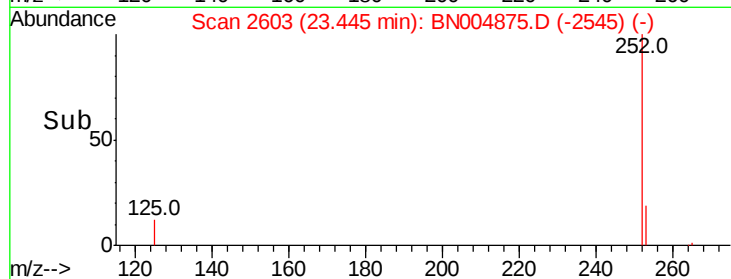
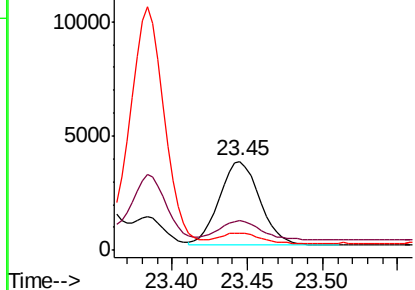
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.9	19.7	29.5#
125	19.7	8.3	12.5#

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:42 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



#39
Benzo(g,h,i)perylene
Concen: 0.044 ng
RT: 26.52 min Scan# 3502
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.3	19.7	29.5
138	25.0	14.6	22.0#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

