

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004864.D
 Acq On : 21 Mar 2019 23:31
 Operator : JU/SJ
 Sample : K1817-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW012-1-030619

Manual Integrations
 APPROVED

Sohil
 3/22/2019 7:16:28 PM

Quant Time: Mar 22 02:48:38 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	2100	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	9679	0.40	ng	-0.01
13) Acenaphthene-d10	14.34	164	6211	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	16416	0.40	ng	0.00
27) Chrysene-d12	21.29	240	22038	0.40	ng	0.00
34) Perylene-d12	23.54	264	24121	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	1785	0.31	ng	0.00
5) Phenol-d6	6.87	99	2410	0.34	ng	0.00
8) Nitrobenzene-d5	8.87	82	1693	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4538	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1097	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	7005	0.27	ng	-0.01
25) Fluoranthene-d10	19.13	212	13683	0.25	ng	0.00
29) Terphenyl-d14	19.72	244	11029	0.24	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.13	178	3155	0.060	ng	98
26) Fluoranthene	19.16	202	6349	0.093	ng	# 98
28) Pyrene	19.52	202	6673	0.099	ng	97
30) Benzo(a)anthracene	21.27	228	4419	0.061	ng	94
31) Chrysene	21.32	228	5118	0.067	ng	94
32) Bis(2-ethylhexyl)phthalate	21.18	149	3224	0.112	ng	99
33) Indeno(1,2,3-cd)pyrene	25.82	276	5165	0.047	ng	97
35) Benzo(b)fluoranthene	22.87	252	8559m	0.098	ng	
36) Benzo(k)fluoranthene	22.90	252	2983m	0.035	ng	
37) Benzo(a)pyrene	23.44	252	6349	0.079	ng	# 82
39) Benzo(a,h,i)perylene	26.52	276	5354	0.057	ng	# 92

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

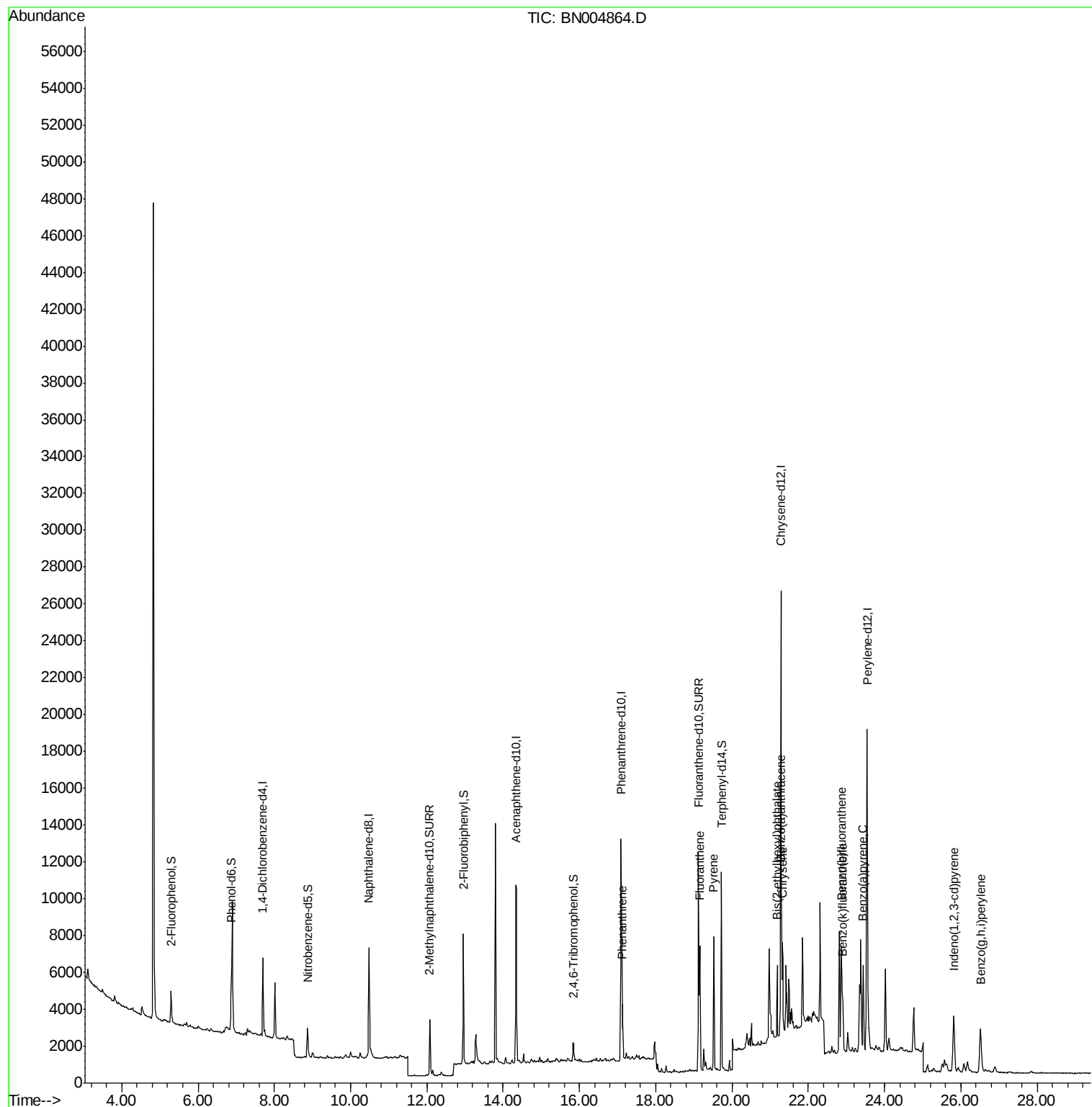
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004864.D
Acq On : 21 Mar 2019 23:31
Operator : JU/SJ
Sample : K1817-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

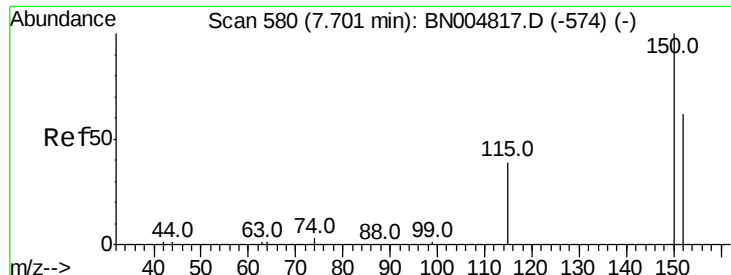
Instrument :
BNA_N
ClientSampleId :
PST-028-SW012-1-030619

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM

Quant Time: Mar 22 02:48:38 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

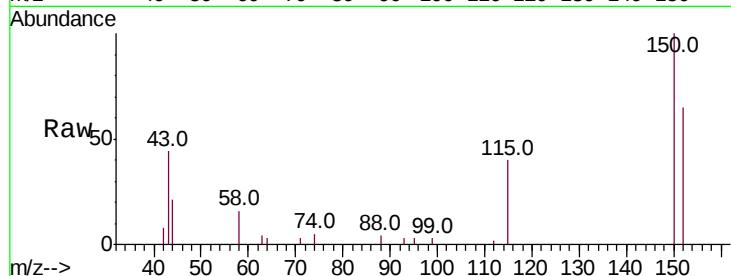
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Instrument :
BNA_N
ClientSampleId :
PST-028-SW012-1-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.2	189.4
115	62.3	52.6	79.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM

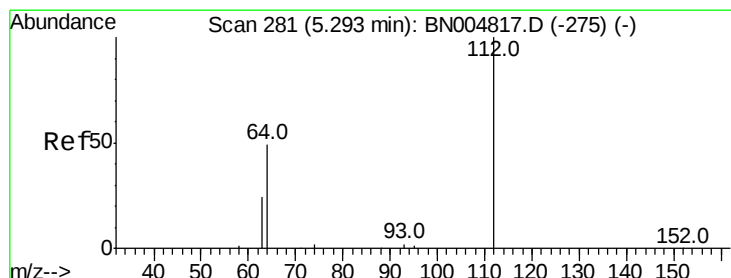
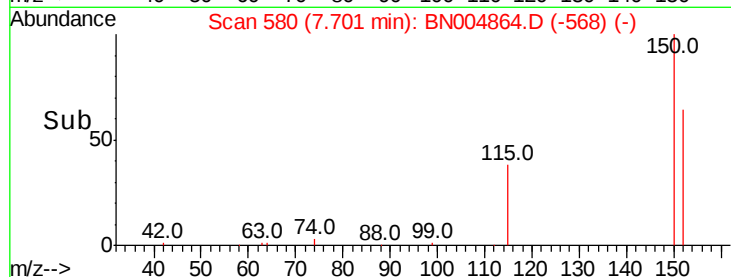
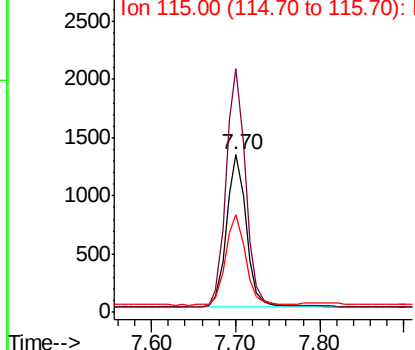


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

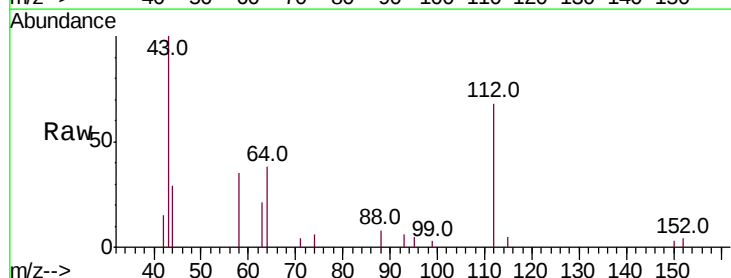
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.313 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	40.0	60.0
63	27.4	20.2	30.2

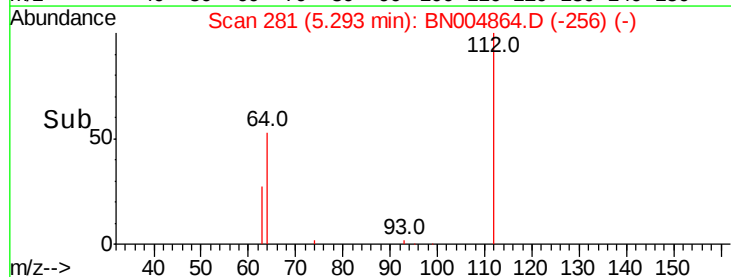
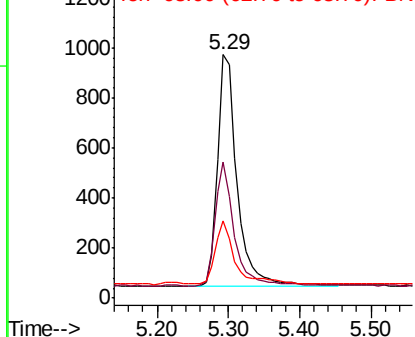


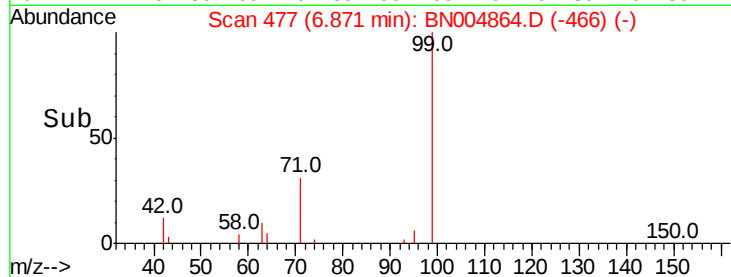
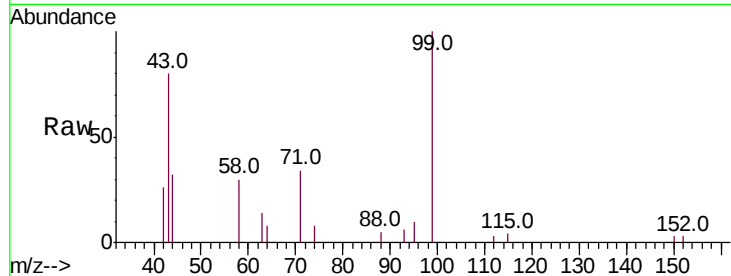
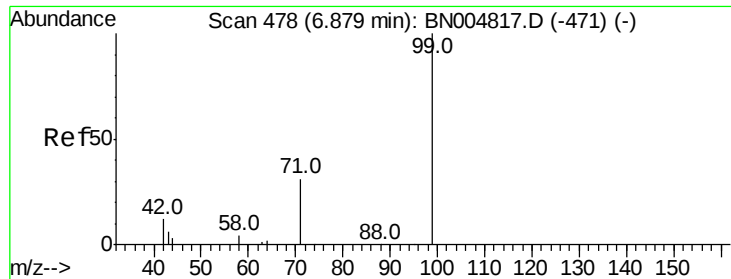
Abundance

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: 0.339 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Tot Ion:	99	Resp:	2410
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.7	19.1#
71	34.5	26.6	40.0

Instrument :

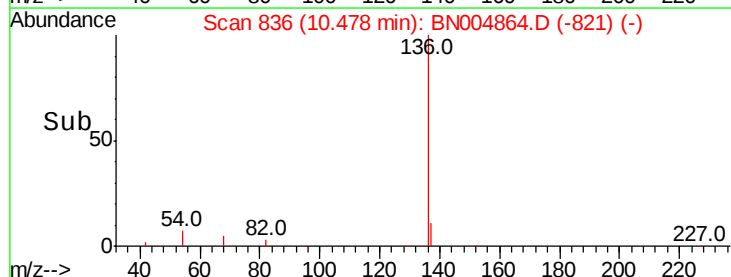
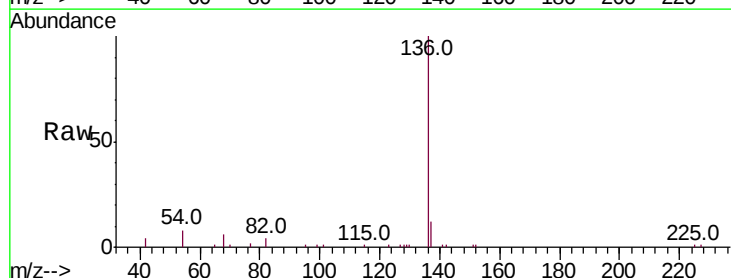
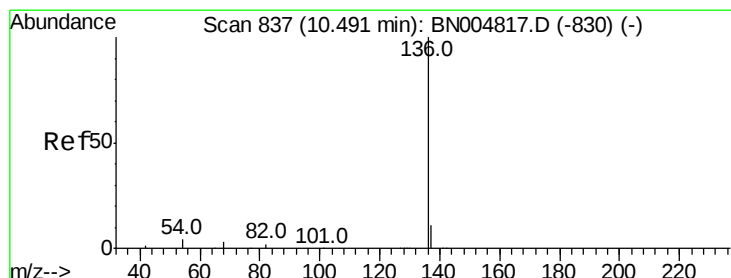
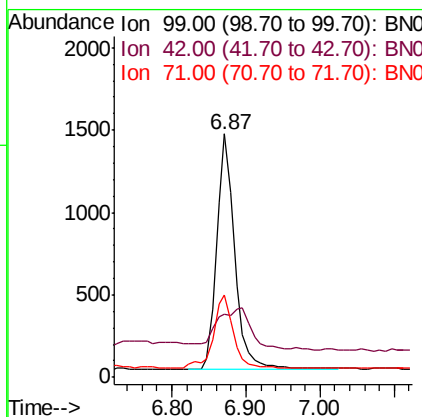
BNA_N

ClientSampleId :

PST-028-SW012-1-030619

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM



#7

Naphthalene-d8

Concen: 0.400 ng

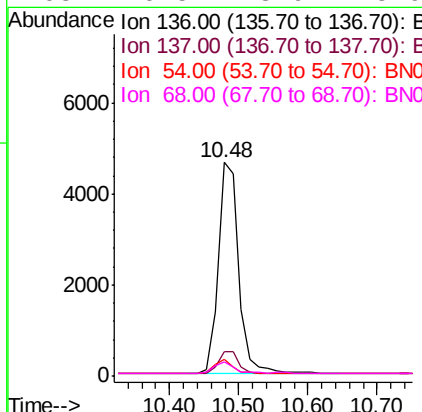
RT: 10.48 min Scan# 836

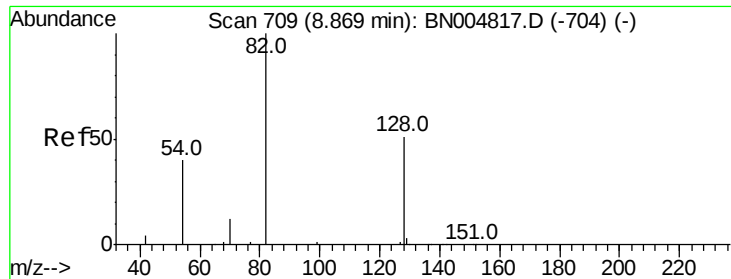
Delta R.T. -0.01 min

Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Tgt Ion:	136	Resp:	9679
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.6	14.4
54	7.8	4.2	6.2#
68	6.5	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.264 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Instrument :

BNA_N

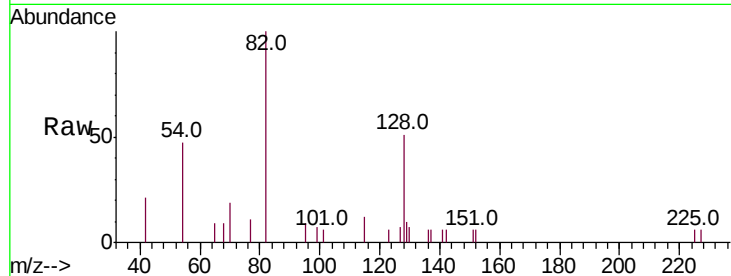
ClientSampleId :

PST-028-SW012-1-030619

Tot Ion:	82	Resp:	1693
Ion Ratio	Lower	Upper	
82	100		
128	51.3	43.0	64.6
54	46.5	35.3	52.9

Manual Integrations
APPROVED

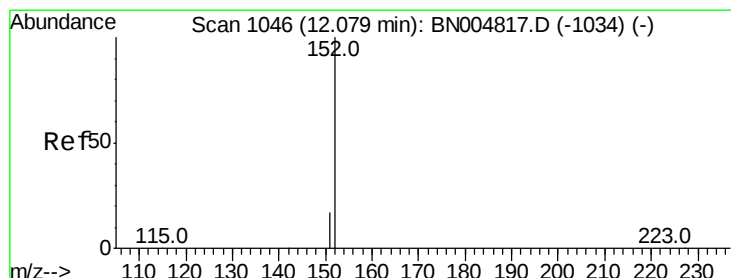
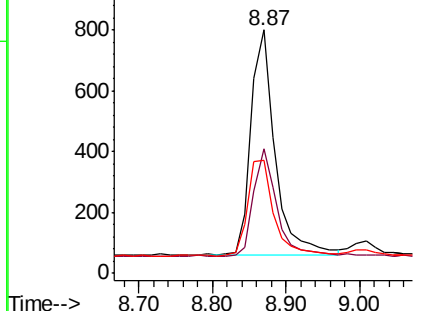
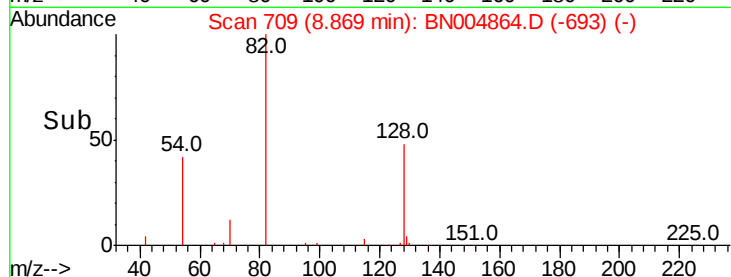
Sohil
3/22/2019 7:16:28 PM



Abundance Ion 82.00 (81.70 to 82.70): BN004864.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004864.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004864.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.269 ng

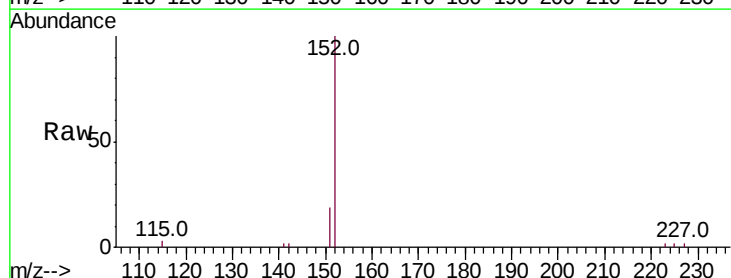
RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004864.D

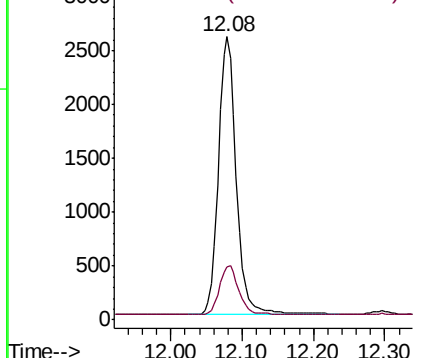
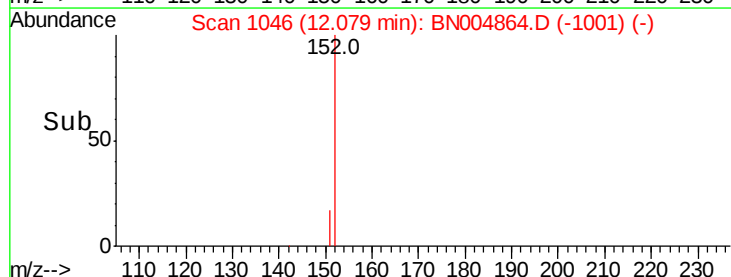
Acq: 21 Mar 2019 23:31

Tgt Ion:	152	Resp:	4538
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004864.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004864.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Instrument :

BNA_N

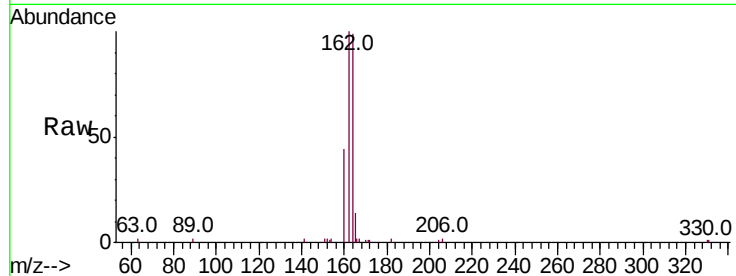
ClientSampleId :

PST-028-SW012-1-030619

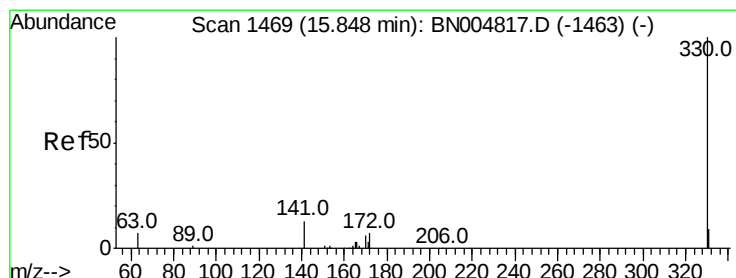
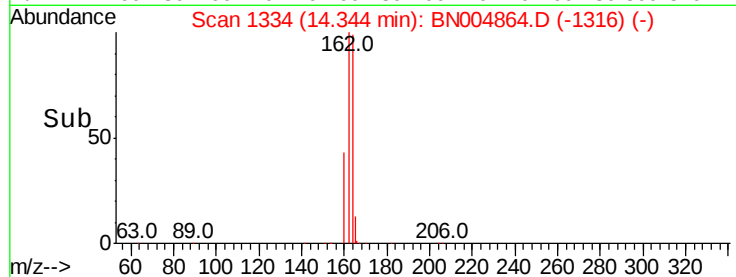
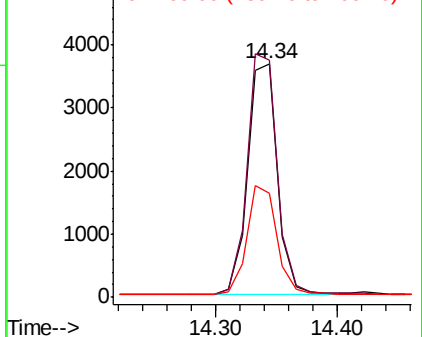
Tot Ion:	164	Resp:	6211
Ion Ratio	Lower	Upper	
164	100		
162	101.4	81.9	122.9
160	44.4	36.6	54.8

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.256 ng

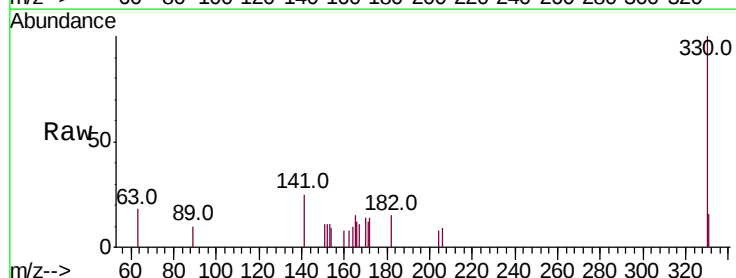
RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

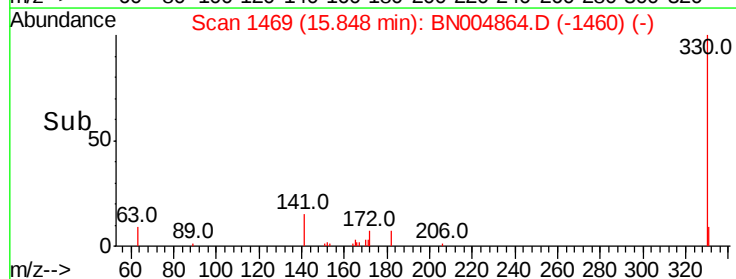
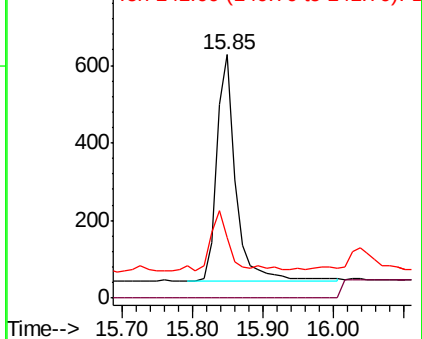
Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Tgt Ion:	330	Resp:	1097
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	25.9	20.9	31.3



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





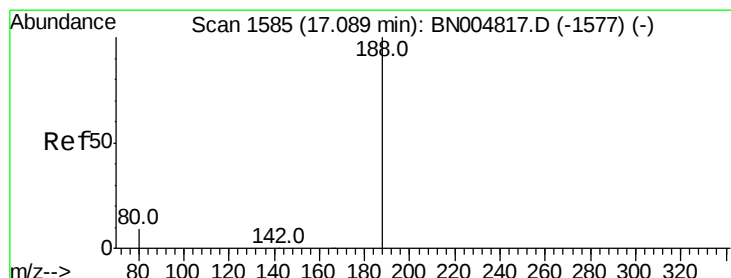
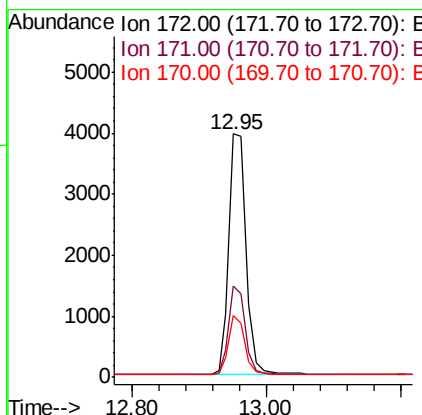
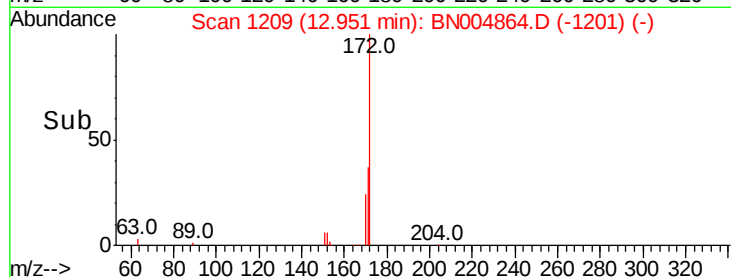
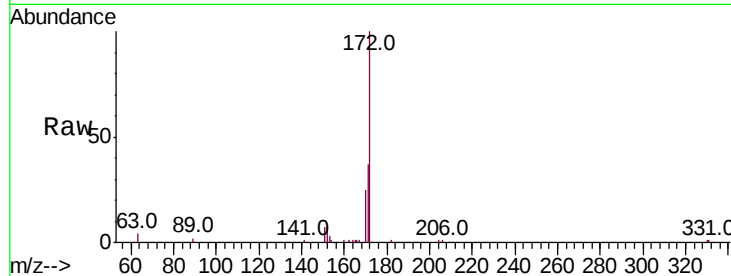
#15
2-Fluorobiphenyl
Concen: 0.273 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Instrument :
BNA_N
ClientSampleId :
PST-028-SW012-1-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.7	43.1
170	25.2	18.7	28.1

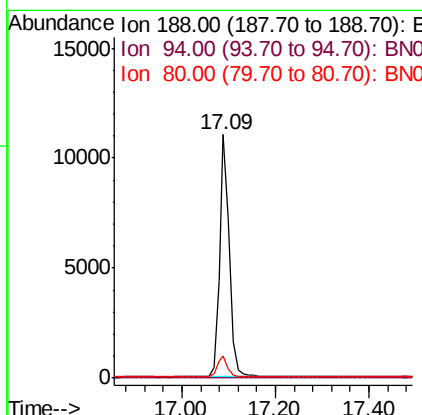
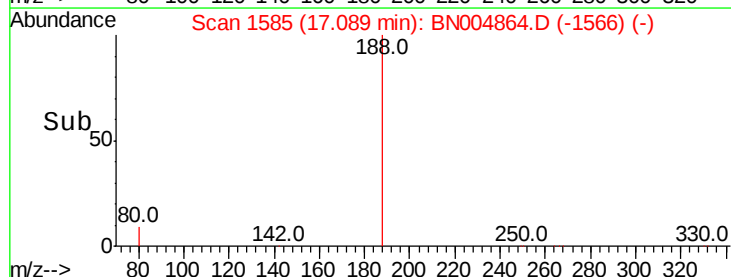
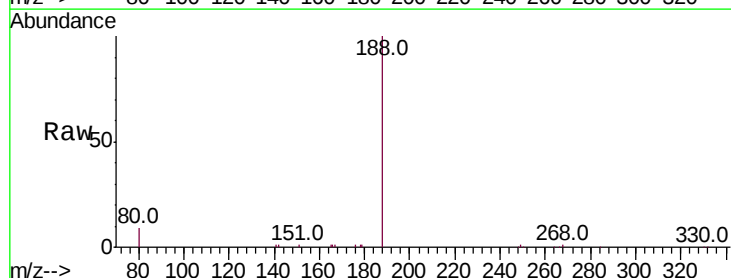
Manual Integrations
APPROVED

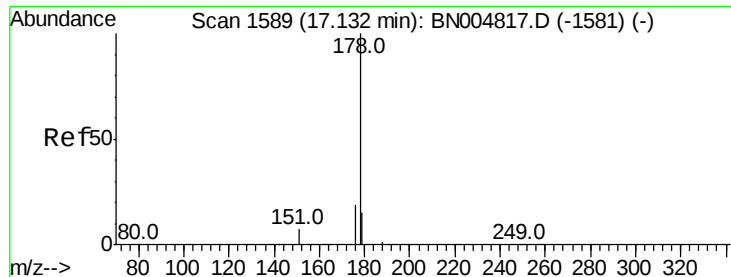
Sohil
3/22/2019 7:16:28 PM



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.4	11.2





#23

Phenanthrene

Concen: 0.060 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Instrument :

BNA_N

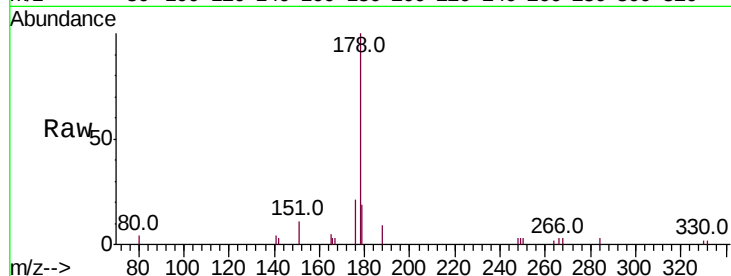
ClientSampleId :

PST-028-SW012-1-030619

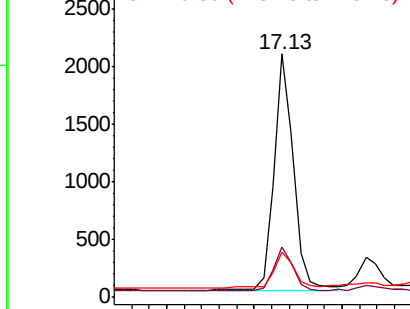
Tot Ion:	178	Resp:	3155
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	17.1	12.1	18.1

Manual Integrations
APPROVED

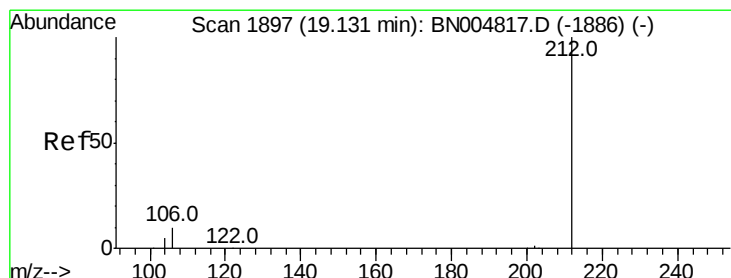
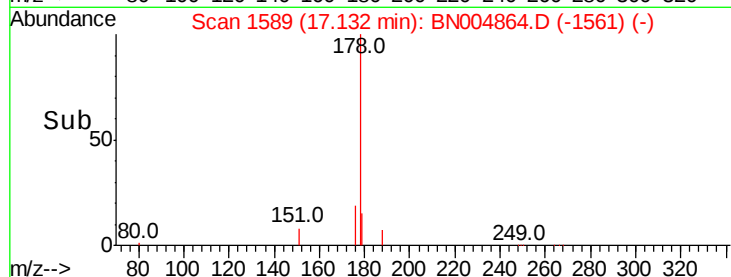
Sohil
3/22/2019 7:16:28 PM



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



Time-->



#25

Fluoranthene-d10

Concen: 0.249 ng

RT: 19.13 min Scan# 1896

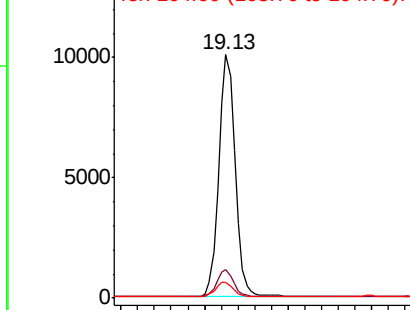
Delta R.T. -0.01 min

Lab File: BN004864.D

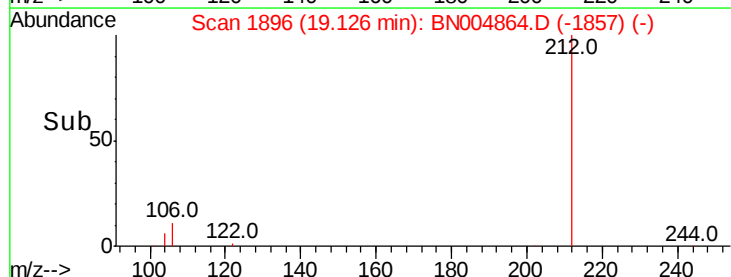
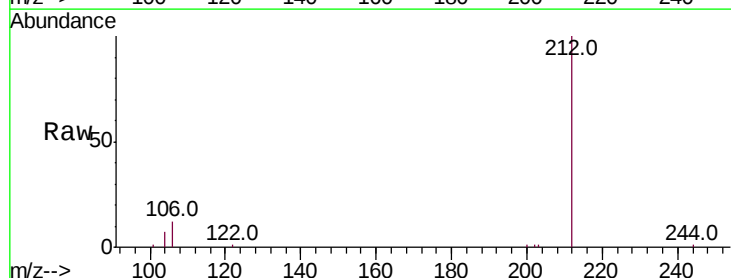
Acq: 21 Mar 2019 23:31

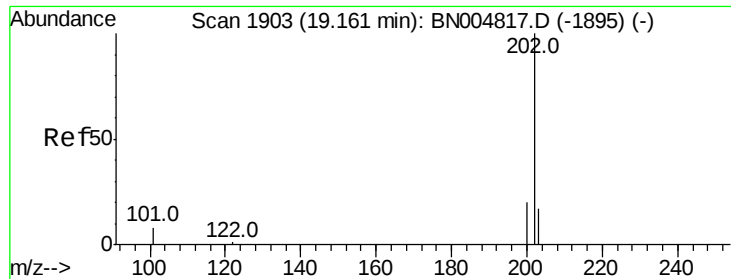
Tgt Ion:	212	Resp:	13683
Ion Ratio	Lower	Upper	
212	100		
106	11.2	8.6	13.0
104	6.3	4.7	7.1

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



Time-->





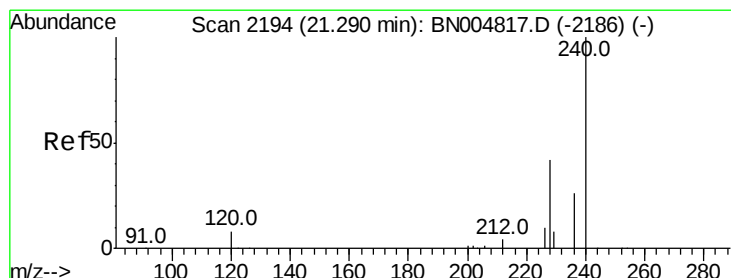
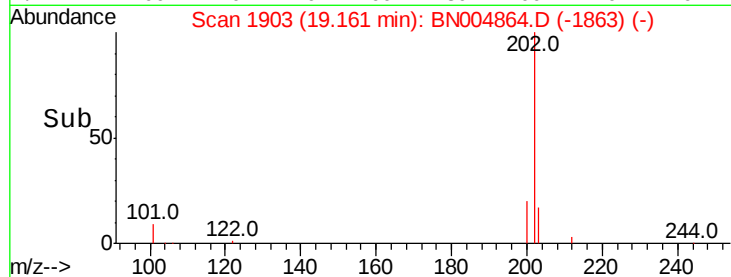
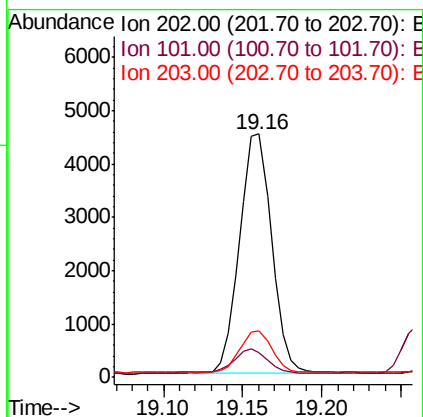
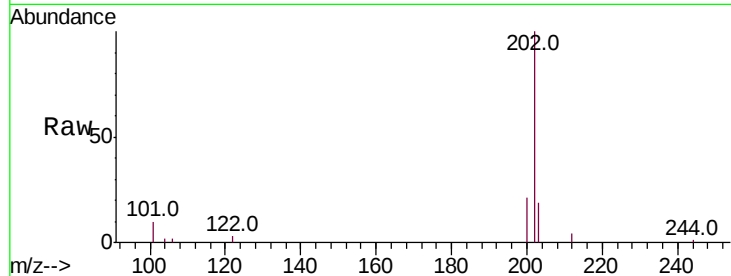
#26
Fluoranthene
 Concen: 0.093 ng
 RT: 19.16 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: BN004864.D
 Acq: 21 Mar 2019 23:31

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW012-1-030619

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	7.5	11.3#
203	17.3	13.8	20.6

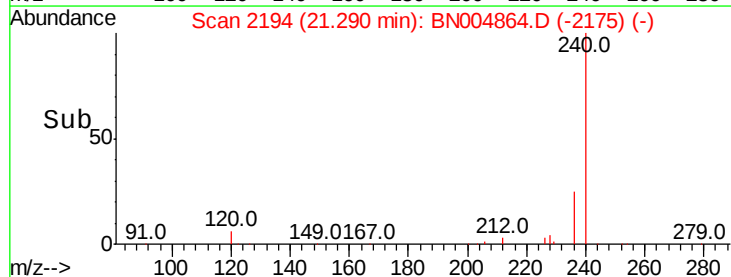
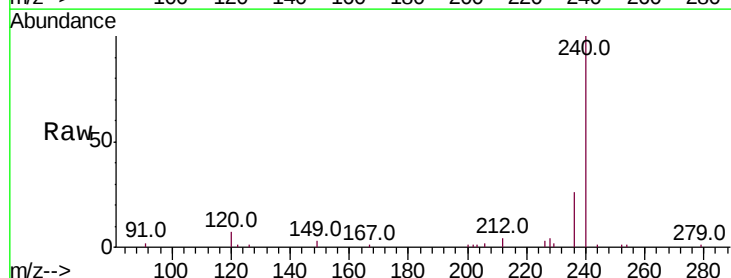
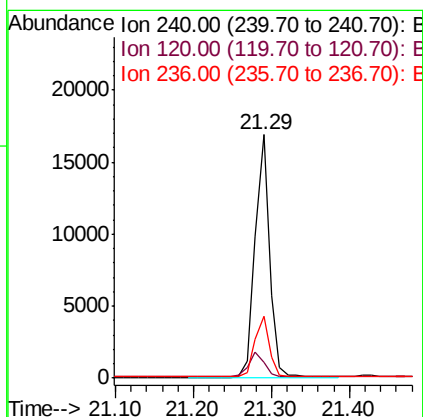
Manual Integrations
 APPROVED

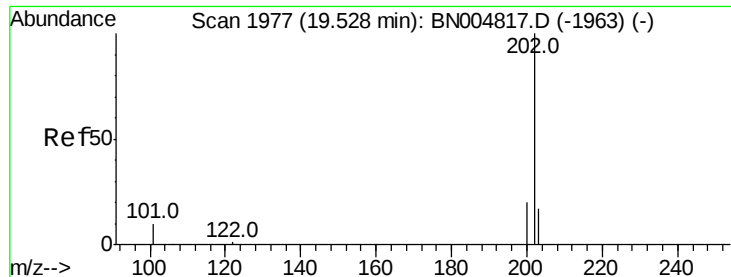
Sohil
 3/22/2019 7:16:28 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BN004864.D
 Acq: 21 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	7.2	10.8#
236	25.5	20.9	31.3





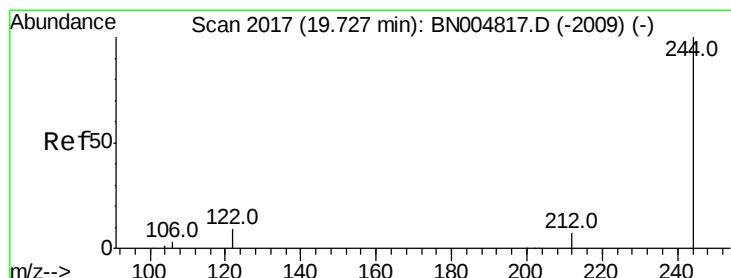
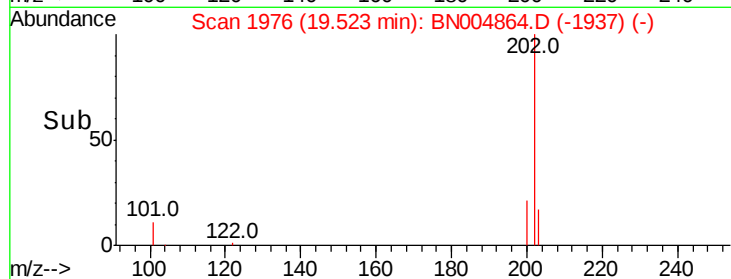
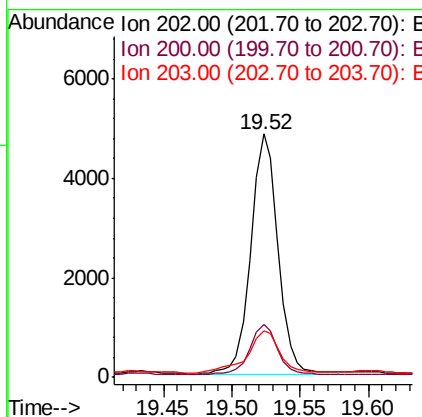
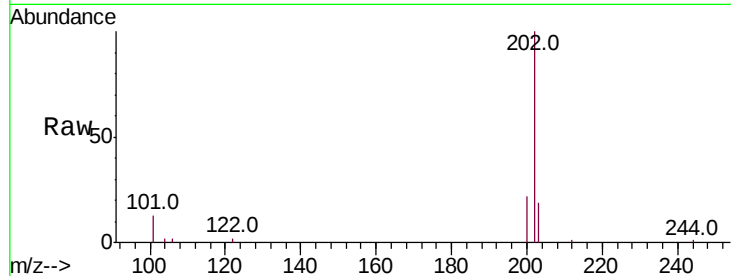
#28
Pvrene
Concen: 0.099 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Instrument :
BNA_N
ClientSampleId :
PST-028-SW012-1-030619

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	20.6	14.0	21.0

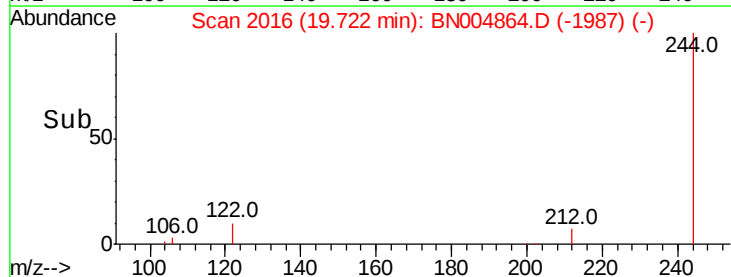
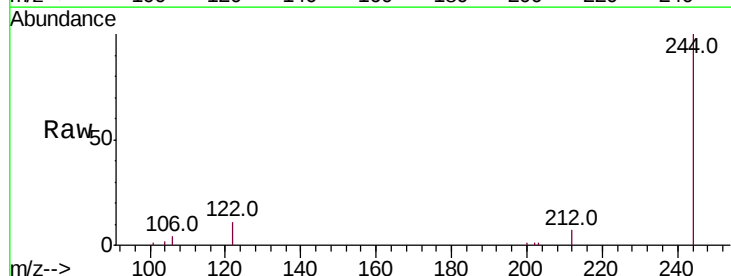
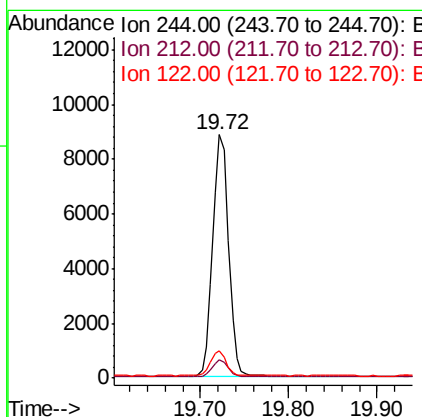
Manual Integrations
APPROVED

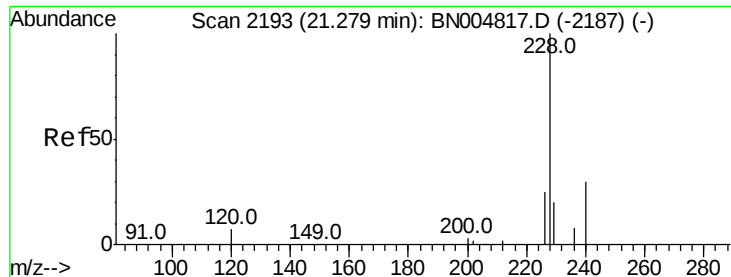
Sohil
3/22/2019 7:16:28 PM



#29
Terphenyl-d14
Concen: 0.245 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	11.0	7.9	11.9





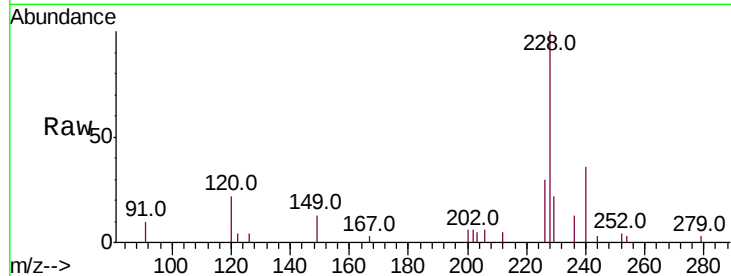
#30
Benzo(a)anthracene
Concen: 0.061 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Instrument :
BNA_N
ClientSampleId :
PST-028-SW012-1-030619

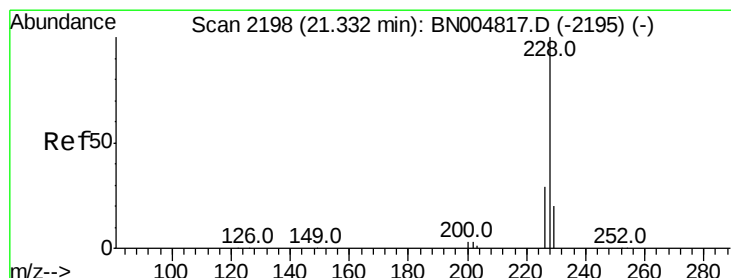
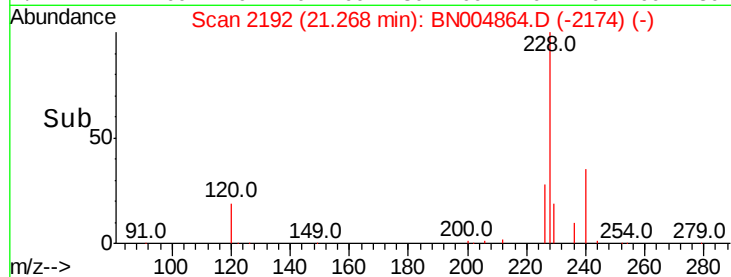
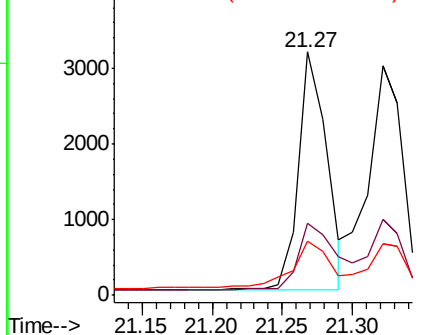
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	20.6	31.0
229	22.5	16.2	24.4

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM



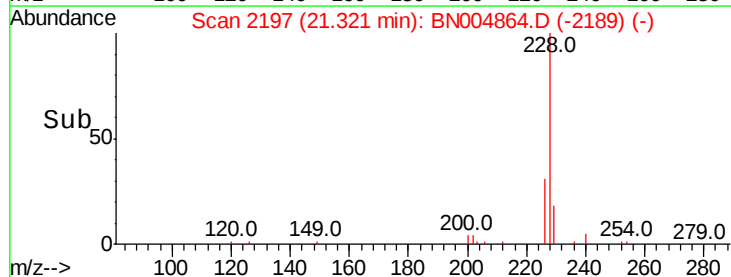
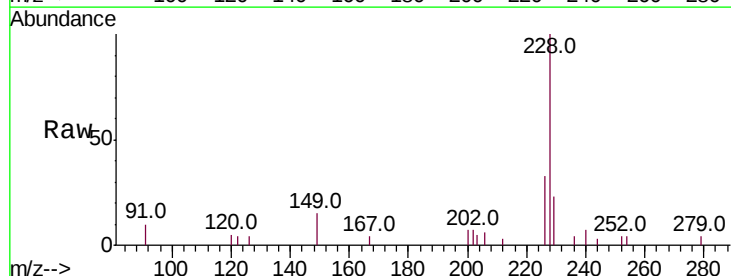
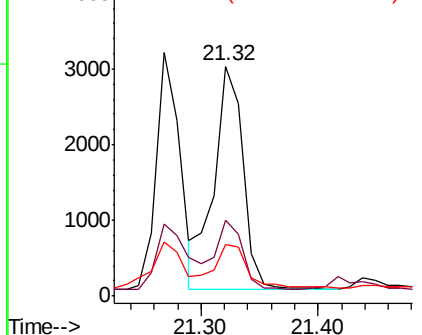
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

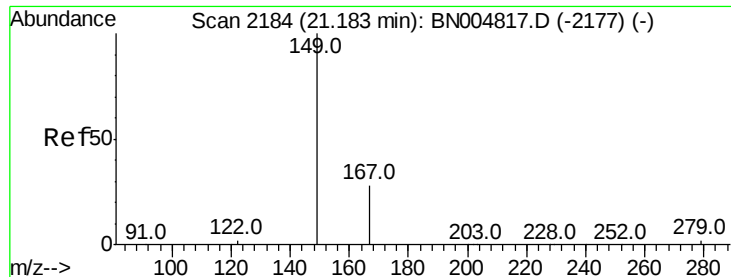


#31
Chrysene
Concen: 0.067 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.0	34.6
229	22.6	16.2	24.2

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: 0.112 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Instrument :

BNA_N

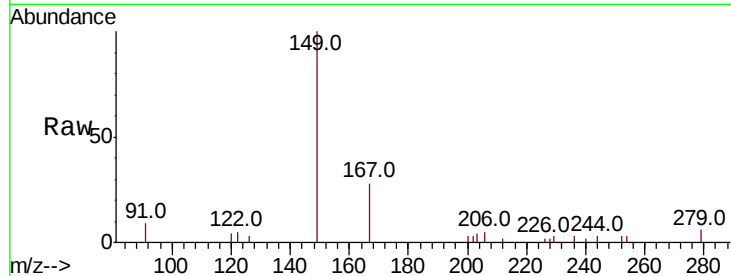
ClientSampleId :

PST-028-SW012-1-030619

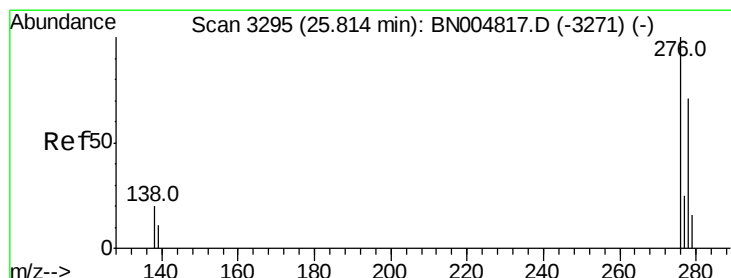
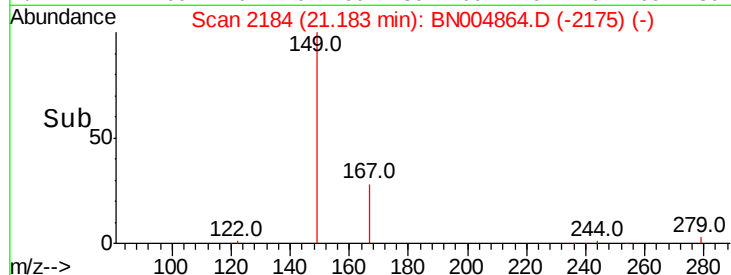
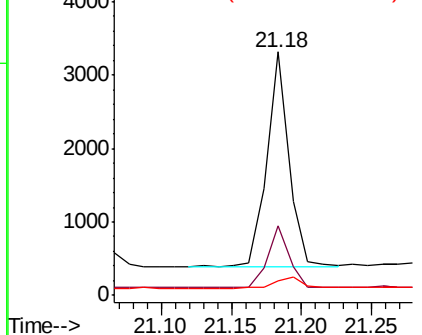
Tot Ion:	149	Resp:	3224
Ion Ratio	Lower	Upper	
149	100		
167	28.9	23.0	34.4
279	6.7	4.6	6.8

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM



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: 0.047 ng

RT: 25.82 min Scan# 3296

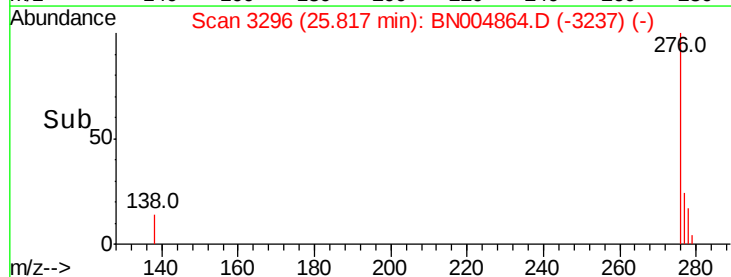
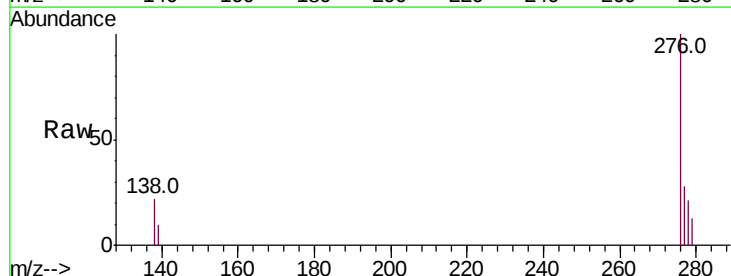
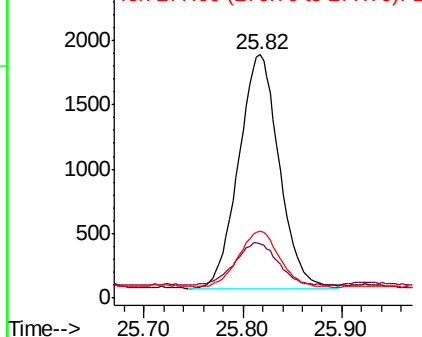
Delta R.T. 0.00 min

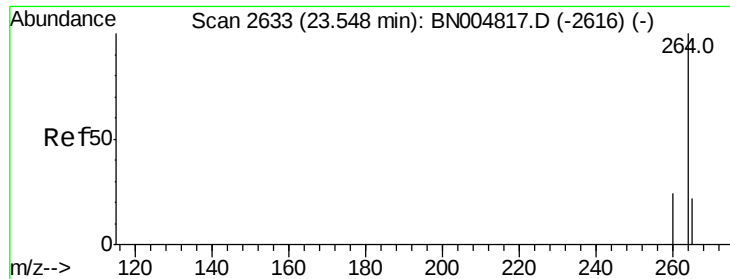
Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Tgt Ion:	276	Resp:	5165
Ion Ratio	Lower	Upper	
276	100		
138	19.0	16.6	24.8
277	24.0	20.3	30.5

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





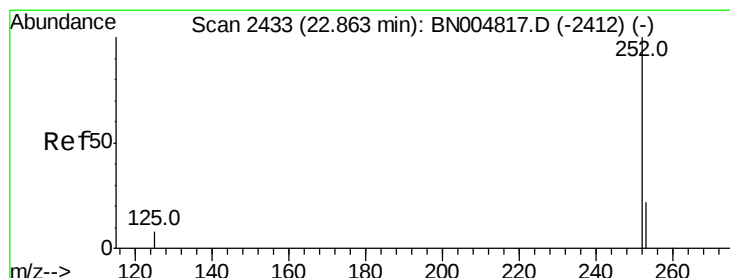
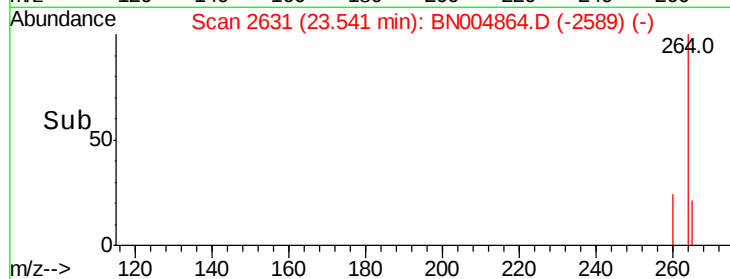
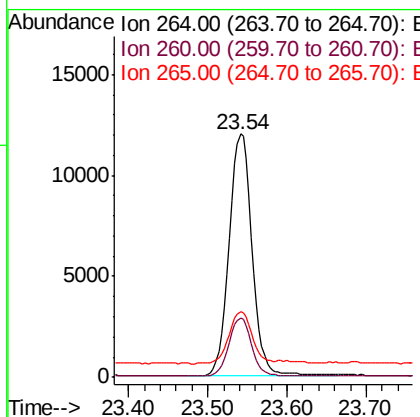
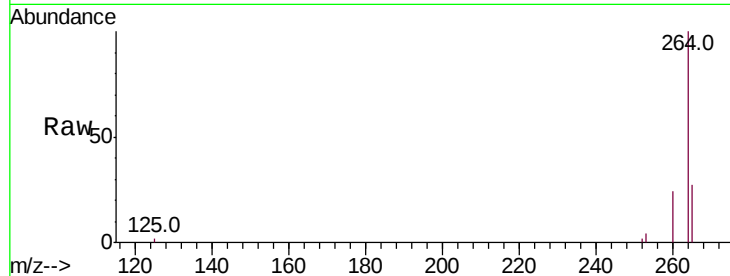
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.54 min Scan# 2631
 Delta R.T. -0.01 min
 Lab File: BN004864.D
 Acq: 21 Mar 2019 23:31

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW012-1-030619

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	26.9	23.1	34.7

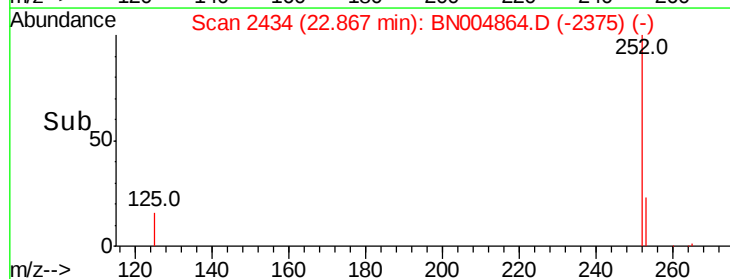
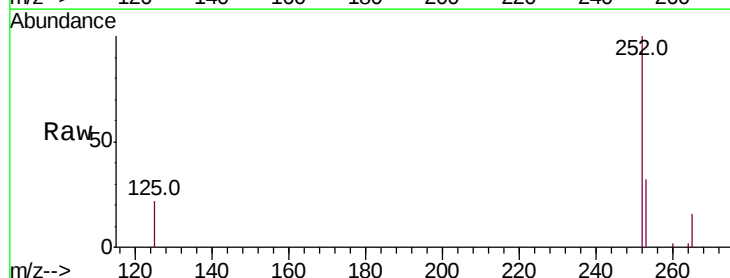
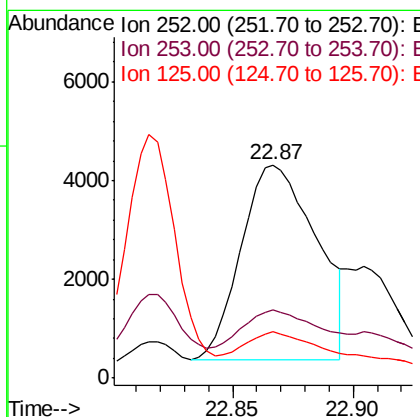
Manual Integrations
 APPROVED

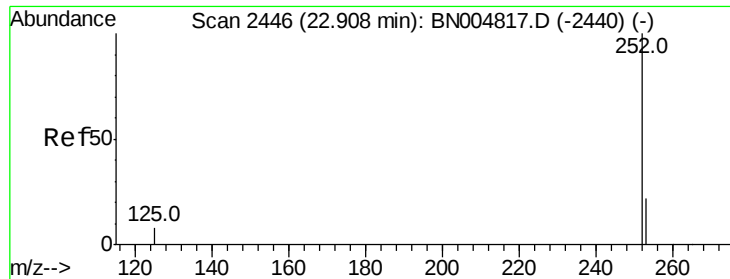
Sohil
 3/22/2019 7:16:28 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.098 ng m
 RT: 22.87 min Scan# 2434
 Delta R.T. 0.00 min
 Lab File: BN004864.D
 Acq: 21 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.8	19.0	28.4#
125	21.6	7.4	11.2#





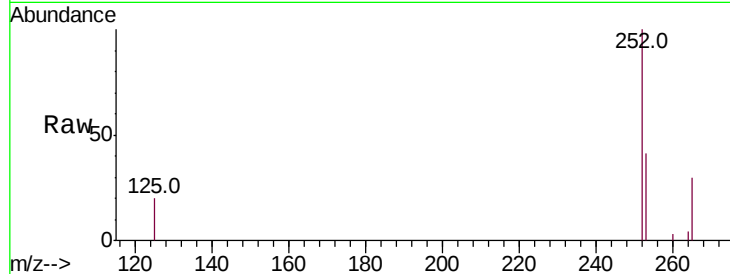
#36
Benzo(k)fluoranthene
Concen: 0.035 ng m
RT: 22.90 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Instrument :
BNA_N
ClientSampleId :
PST-028-SW012-1-030619

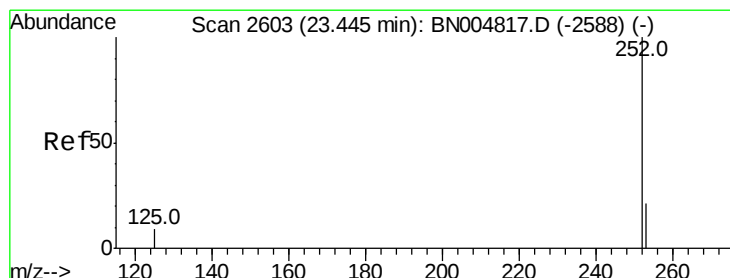
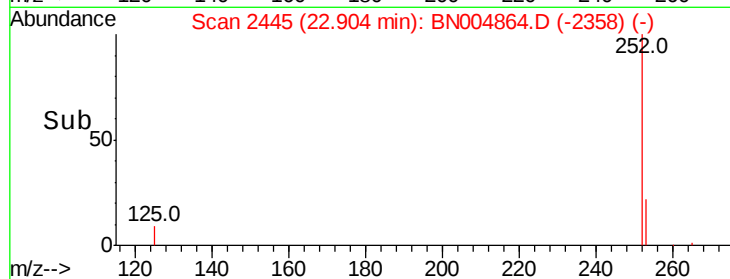
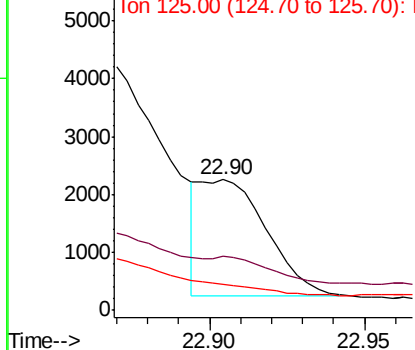
Tot Ion	Ratio	Lower	Upper
252	100		
253	41.2	19.3	28.9#
125	20.4	7.4	11.0#

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM



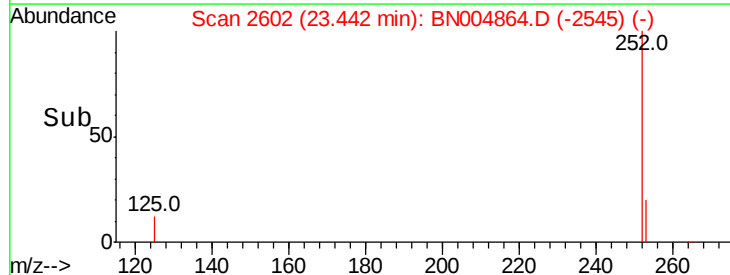
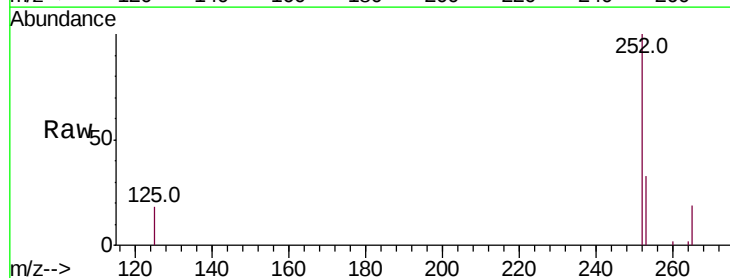
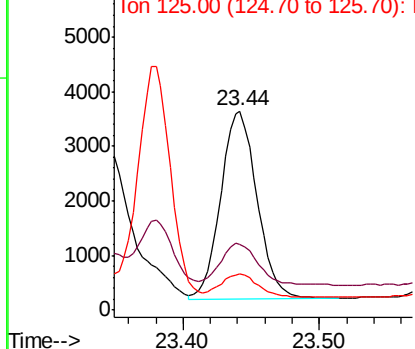
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

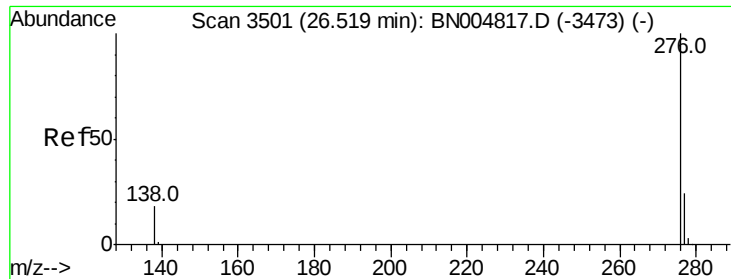


#37
Benzo(a)pyrene
Concen: 0.079 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BN004864.D
Acq: 21 Mar 2019 23:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.0	19.7	29.5#
125	18.4	8.3	12.5#

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(a,h,i)perylene

Concen: 0.057 ng

RT: 26.52 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BN004864.D

Acq: 21 Mar 2019 23:31

Instrument :

BNA_N

ClientSampleId :

PST-028-SW012-1-030619

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.7	29.5
138	23.5	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:28 PM

