

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004898.D
 Acq On : 22 Mar 2019 23:44
 Operator : JU/SJ
 Sample : K2013-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B117-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:55 AM

Quant Time: Mar 23 03:37:16 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	7.69	152	2771	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	11876	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	7020	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	17589	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	23835	0.40	ng	-0.01
34) Perylene-d12	23.53	264	25388	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	2752	0.37	ng	0.00
5) Phenol-d6	6.86	99	3917	0.42	ng	-0.02
8) Nitrobenzene-d5	8.86	82	2461	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	5780	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2232	0.46	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	10283	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	16400	0.28	ng	0.00
29) Terphenyl-d14	19.72	244	19462	0.40	ng	0.00
Target Compounds						
16) Acenaphthylene	14.05	152	1839	0.051	ng	Qvalue 99
18) Fluorene	15.39	166	685	0.021	ng	# 91
23) Phenanthrene	17.12	178	9955	0.175	ng	99
24) Anthracene	17.22	178	1876	0.037	ng	98
26) Fluoranthene	19.15	202	18343	0.251	ng	98
28) Pyrene	19.52	202	19796	0.272	ng	97
30) Benzo(a)anthracene	21.27	228	10716	0.137	ng	94
31) Chrysene	21.32	228	11635	0.141	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	3020	0.097	ng	99
33) Indeno(1,2,3-cd)pyrene	25.80	276	7502	0.063	ng	98
35) Benzo(b)fluoranthene	22.86	252	14250	0.155	ng	# 86
36) Benzo(k)fluoranthene	22.90	252	5998m	0.066	ng	
37) Benzo(a)pyrene	23.43	252	10524	0.125	ng	# 88
38) Dibenzo(a,h)anthracene	25.81	278	2658	0.027	ng	# 49
39) Benzo(a,h,i)perylene	26.50	276	7543	0.076	ng	# 93

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

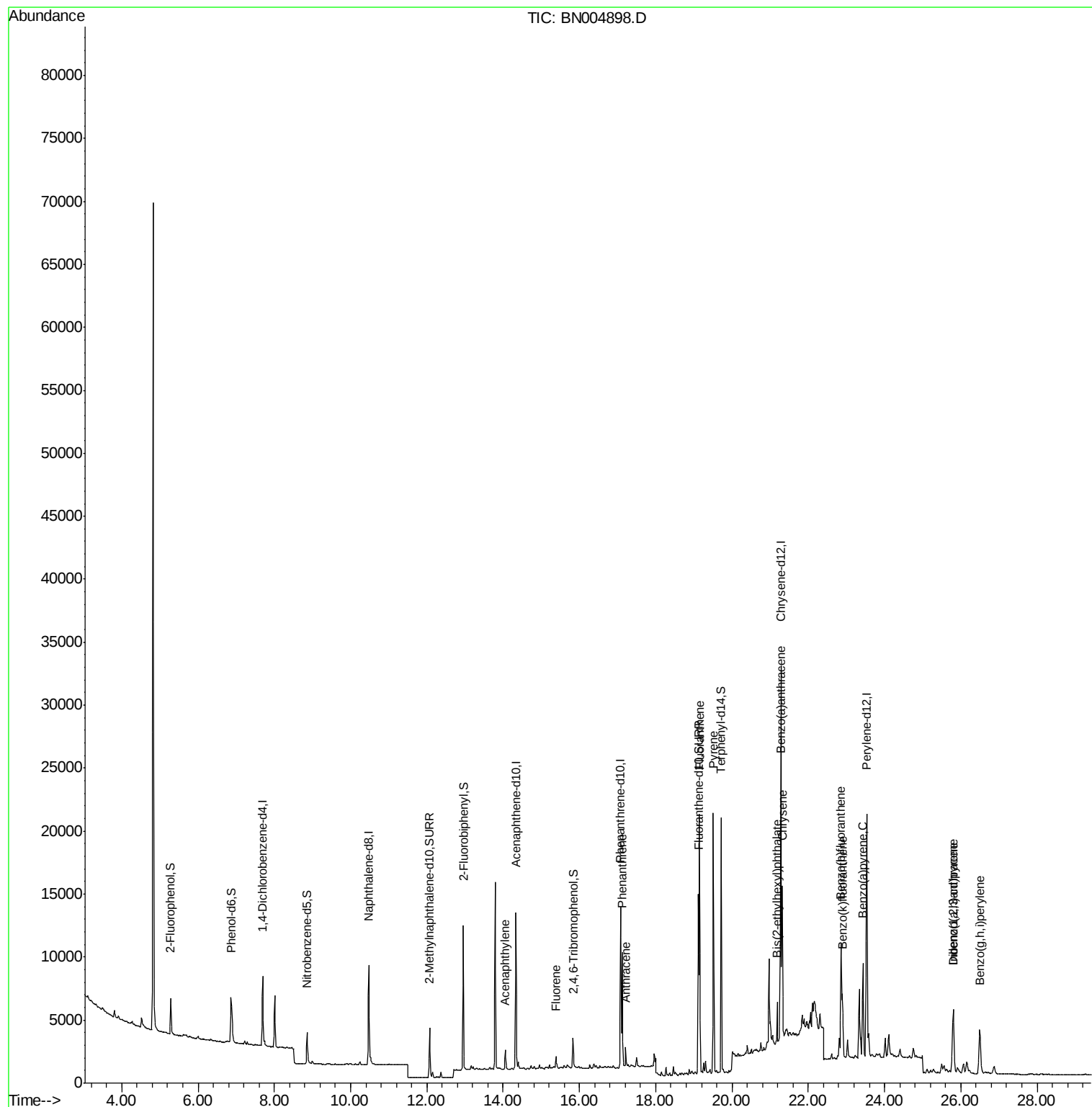
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004898.D
Acq On : 22 Mar 2019 23:44
Operator : JU/SJ
Sample : K2013-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-026-B117-031819

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM

Quant Time: Mar 23 03:37:16 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

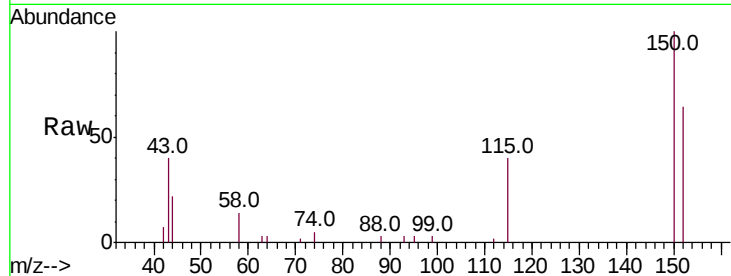
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Instrument :
BNA_N
ClientSampleId :
PST-026-B117-031819

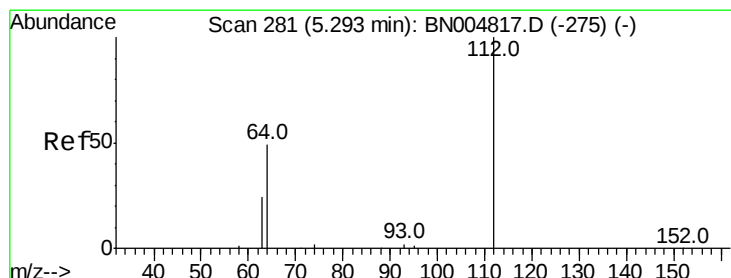
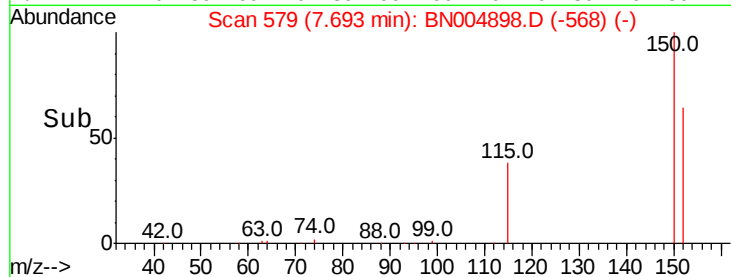
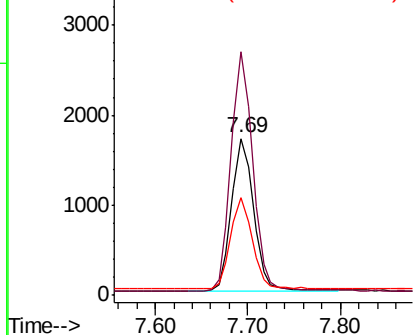
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.4
115	62.5	52.6	79.0

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



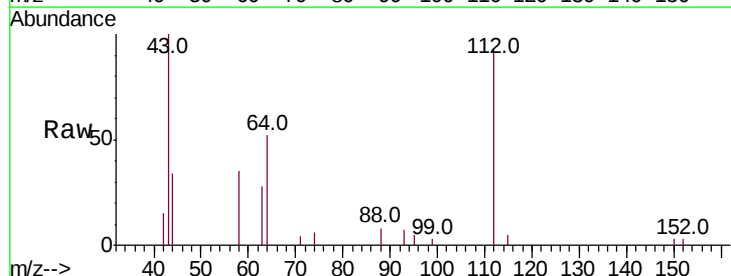
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



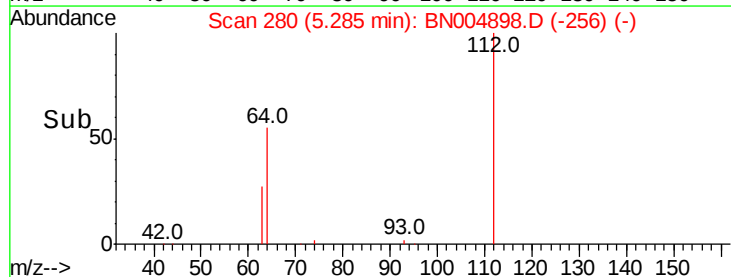
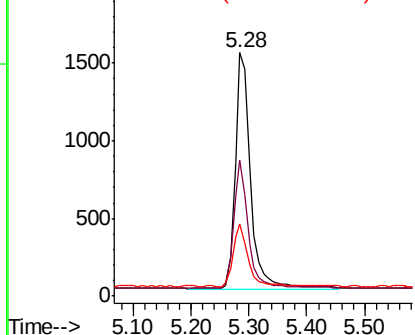
#4

2-Fluorophenol
Concen: 0.365 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	40.0	60.0
63	26.4	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: 0.418 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Instrument :

BNA_N

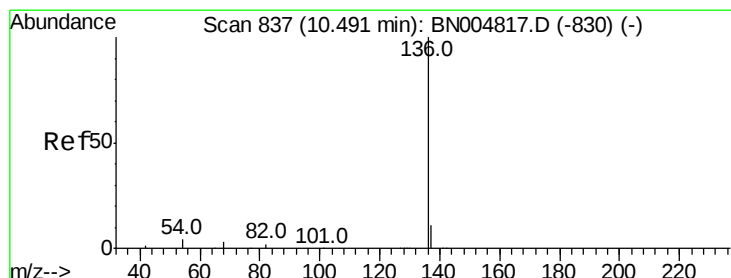
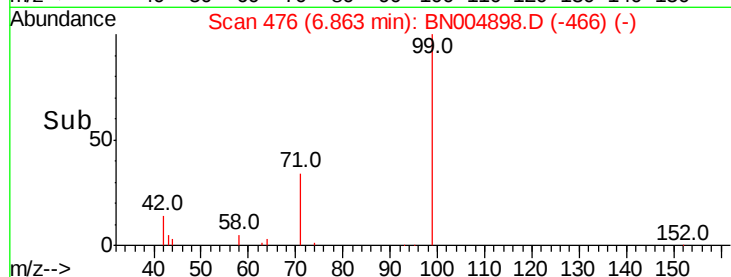
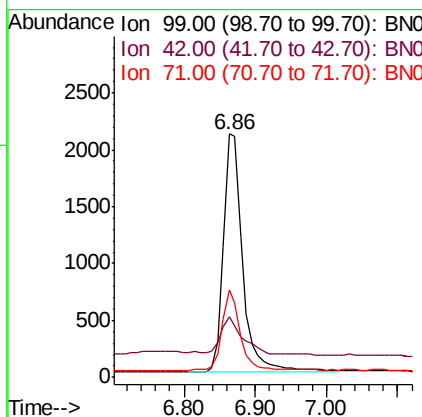
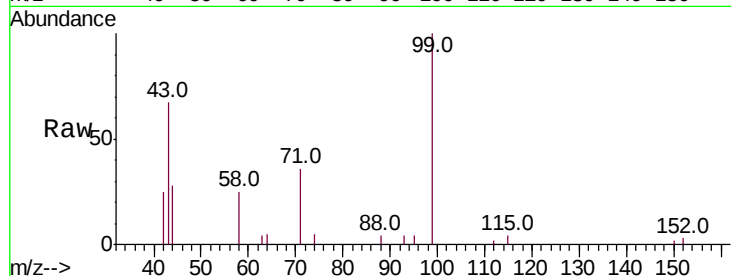
ClientSampleId :

PST-026-B117-031819

Tot Ion:	99	Resp:	3917
Ion	Ratio	Lower	Upper
99	100		
42	17.4	12.7	19.1
71	31.5	26.6	40.0

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



#7

Naphthalene-d8

Concen: 0.400 ng

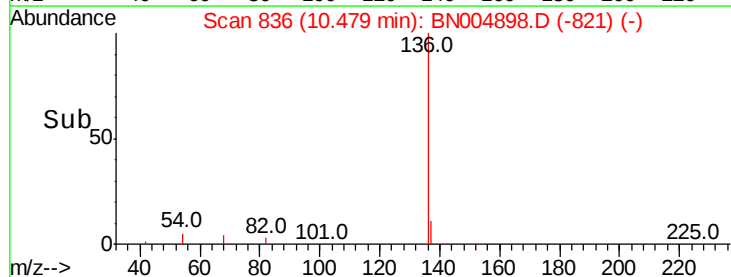
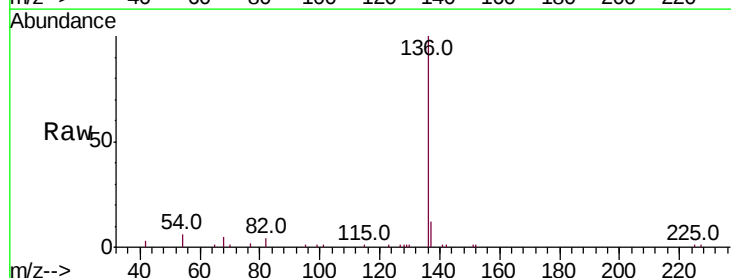
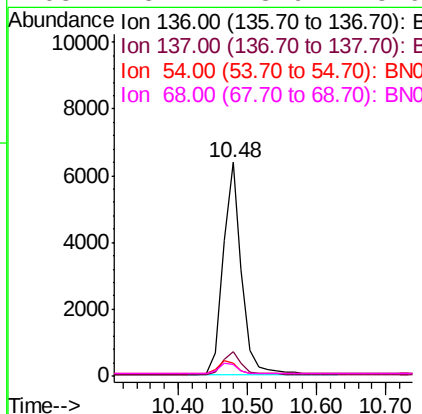
RT: 10.48 min Scan# 836

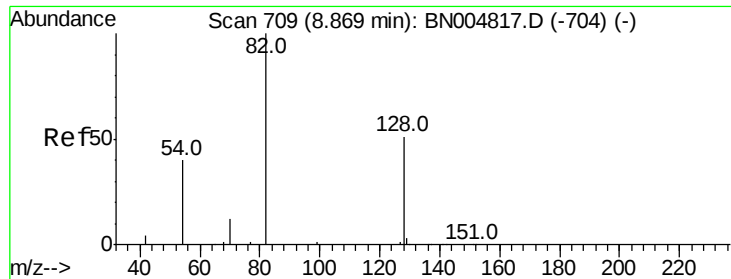
Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Tgt Ion:	136	Resp:	11876
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	5.9	4.2	6.2
68	5.1	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.313 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Instrument :

BNA_N

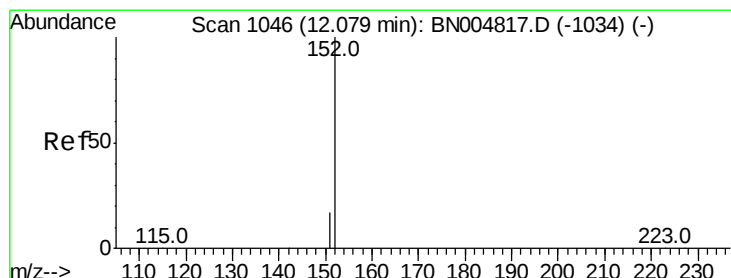
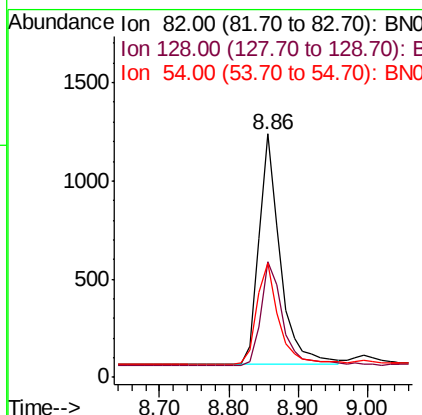
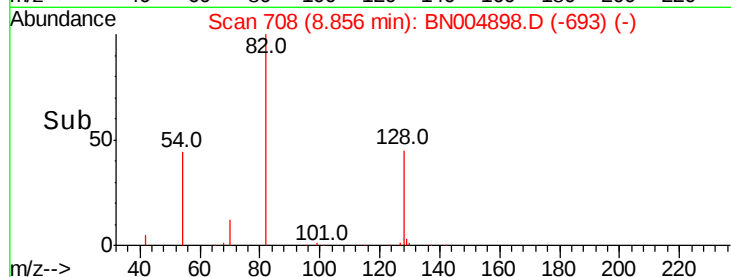
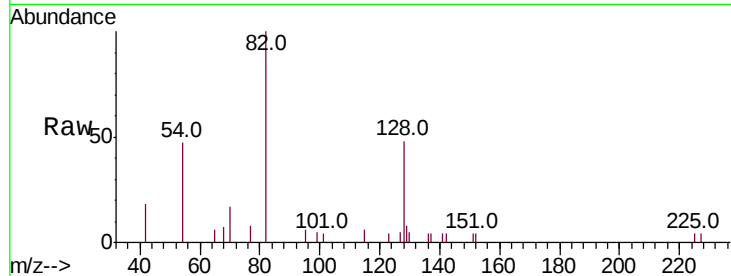
ClientSampleId :

PST-026-B117-031819

Tot Ion:	82	Resp:	2461
Ion Ratio	Lower	Upper	
82	100		
128	47.7	43.0	64.6
54	46.8	35.3	52.9

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



#11

2-Methylnaphthalene-d10

Concen: 0.279 ng

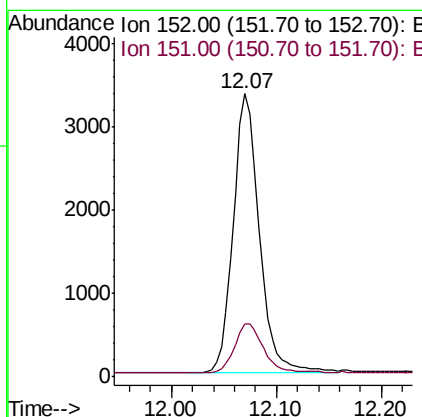
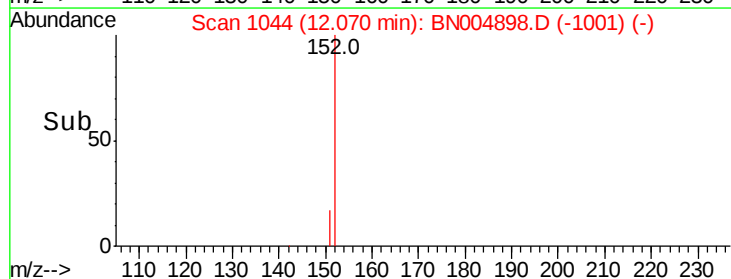
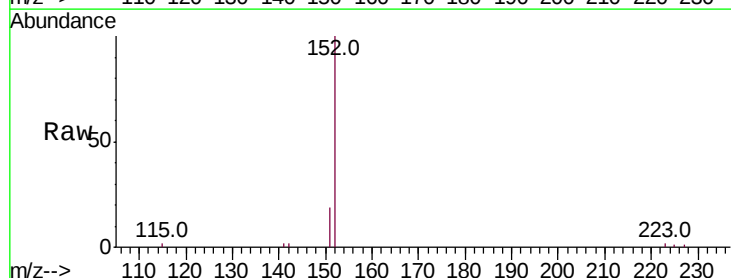
RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Tgt Ion:	152	Resp:	5780
Ion Ratio	Lower	Upper	
152	100		
151	19.3	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: BN004898.D

Acq: 22 Mar 2019 23:44

Instrument :

BNA_N

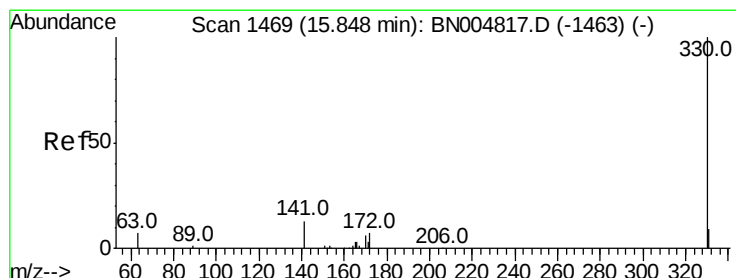
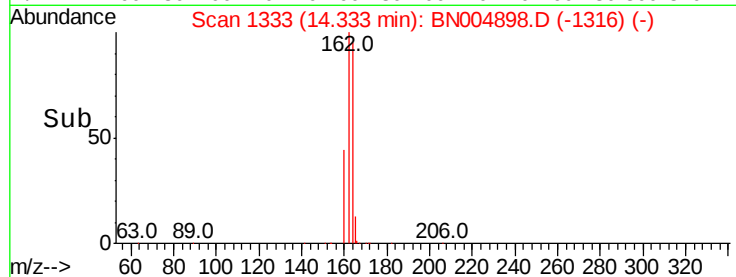
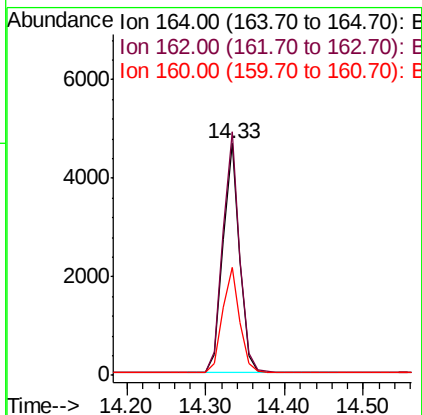
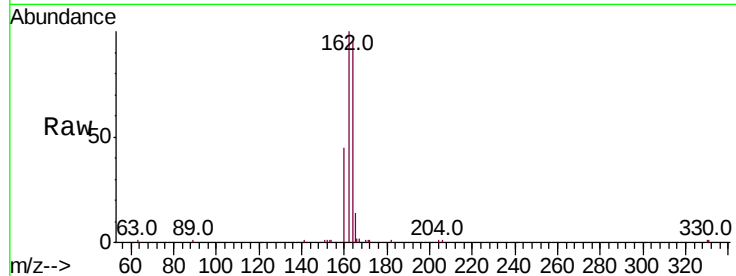
ClientSampleId :

PST-026-B117-031819

Tot Ion:	164	Resp:	7020
Ion Ratio	Lower	Upper	
164	100		
162	104.9	81.9	122.9
160	46.8	36.6	54.8

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



#14

2,4,6-Tribromophenol

Concen: 0.460 ng

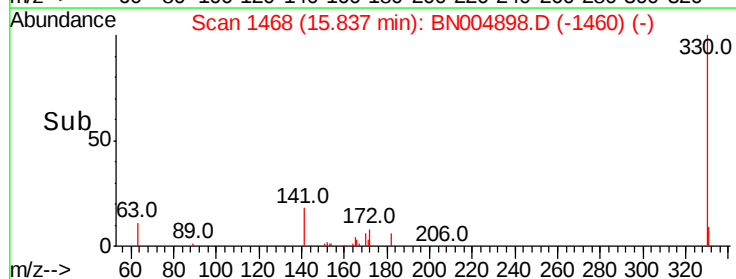
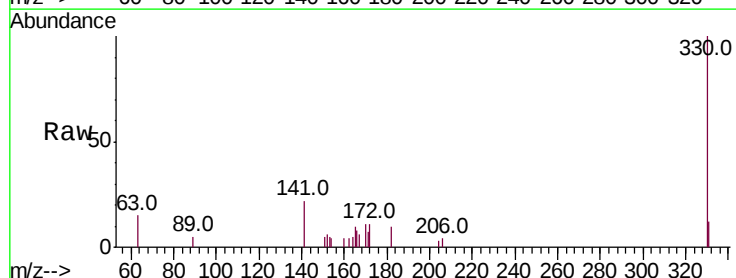
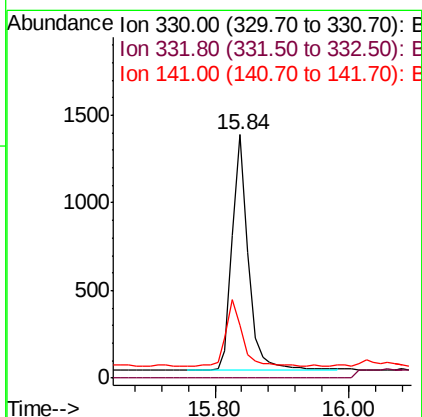
RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Tgt Ion:	330	Resp:	2232
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	28.2	20.9	31.3





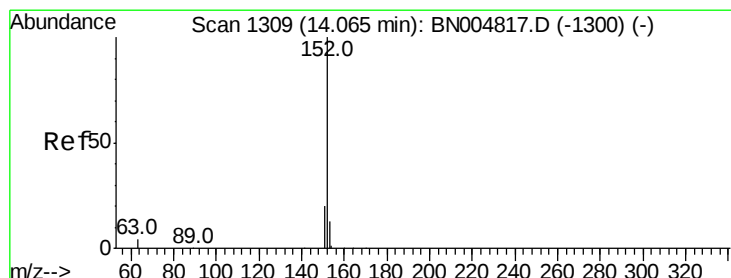
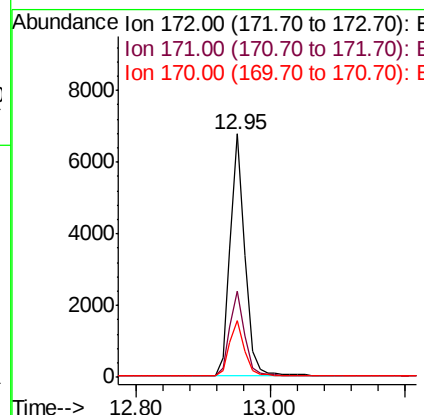
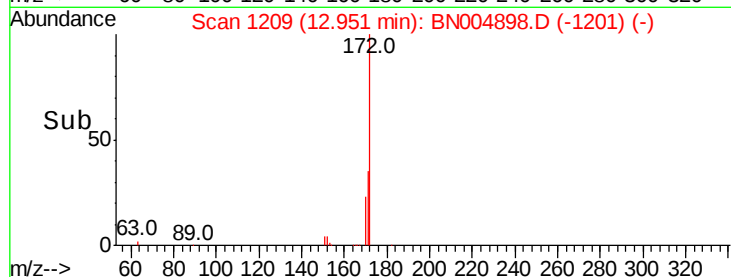
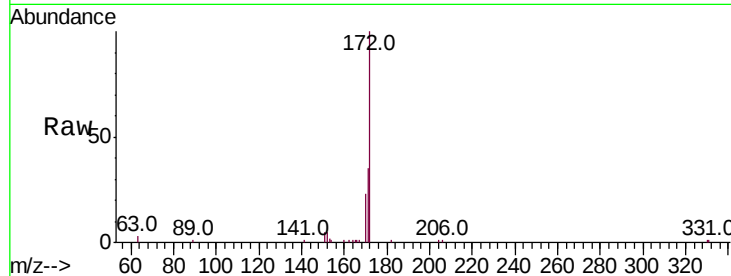
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Instrument :
BNA_N
ClientSampleId :
PST-026-B117-031819

Tot Ion:	172	Resp:	10283
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.7	43.1
170	23.4	18.7	28.1

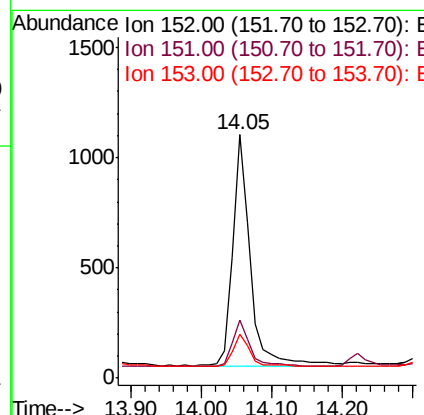
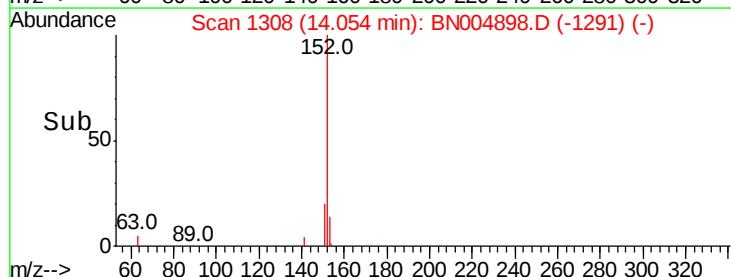
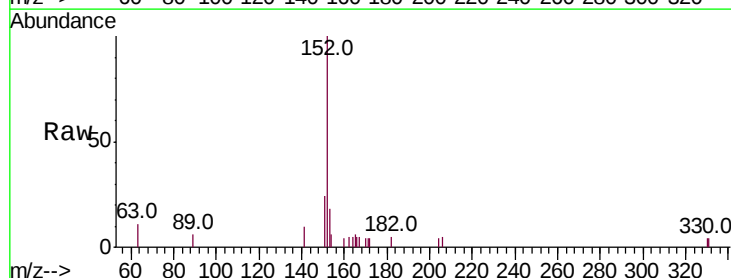
Manual Integrations
APPROVED

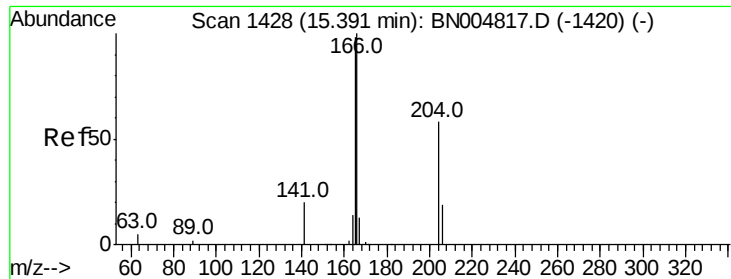
Sohil
3/25/2019 8:57:55 AM



#16
Acenaphthylene
Concen: 0.051 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Tgt Ion:	152	Resp:	1839
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.1	24.1
153	14.4	10.5	15.7





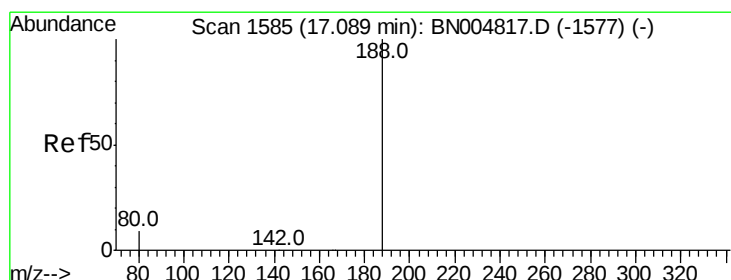
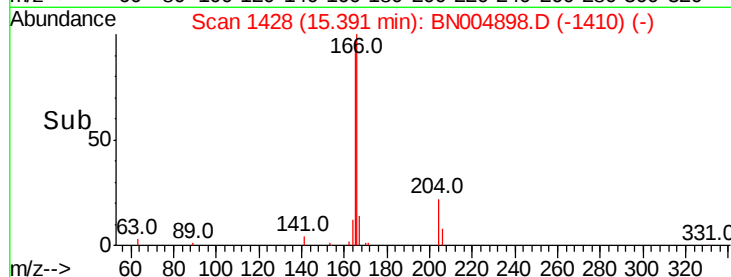
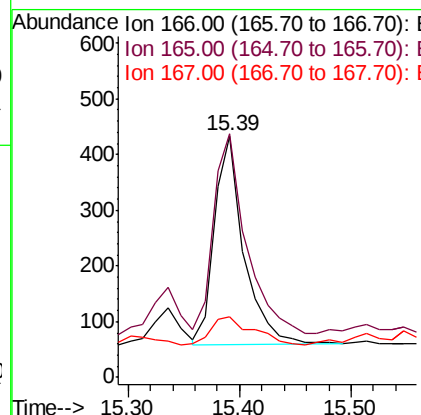
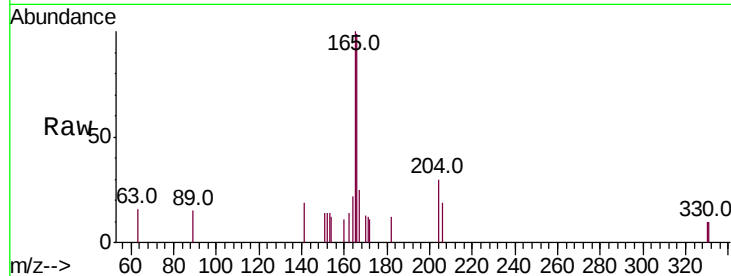
#18
Fluorene
Concen: 0.021 ng
RT: 15.39 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Instrument :
BNA_N
ClientSampleId :
PST-026-B117-031819

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.6	78.2	117.4
167	19.1	11.0	16.4

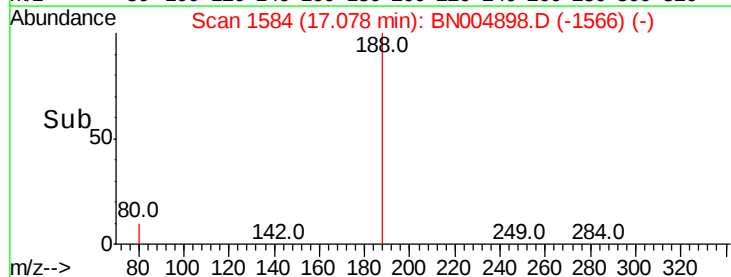
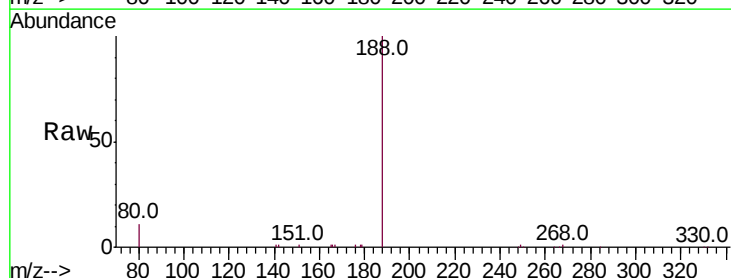
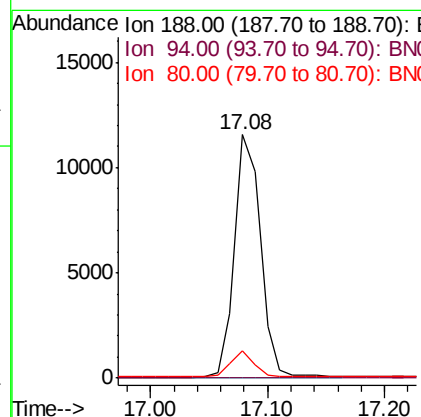
Manual Integrations
APPROVED

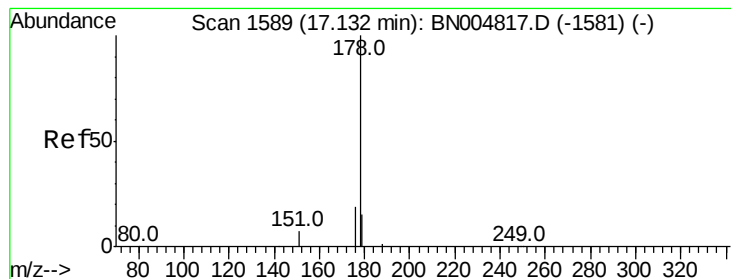
Sohil
3/25/2019 8:57:55 AM



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	7.4	11.2





#23

Phenanthrene

Concen: 0.175 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Instrument :

BNA_N

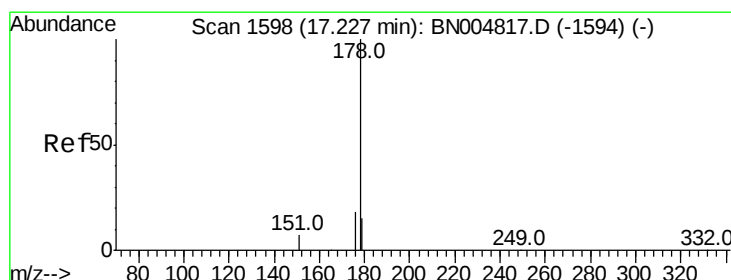
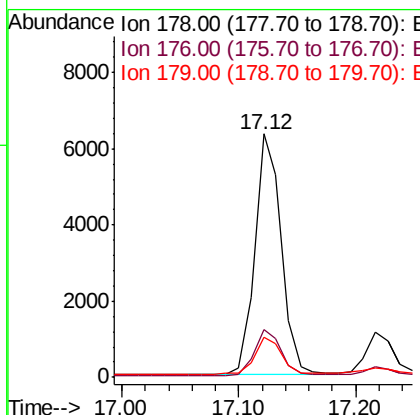
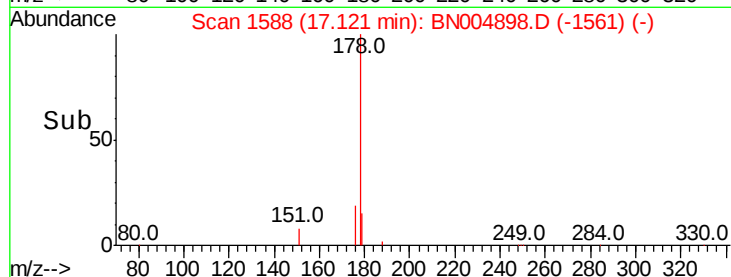
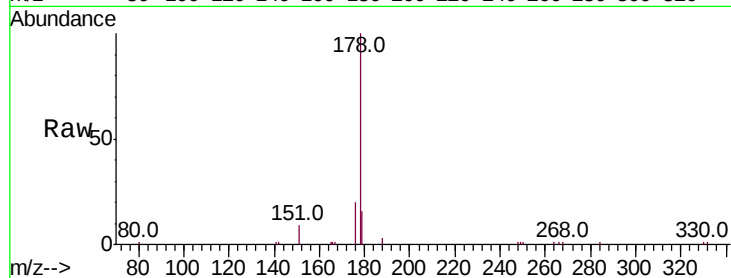
ClientSampleId :

PST-026-B117-031819

Tot Ion:178	Resp:	9955
Ion Ratio	Lower	Upper
178 100		
176 18.8	14.9	22.3
179 15.7	12.1	18.1

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



#24

Anthracene

Concen: 0.037 ng

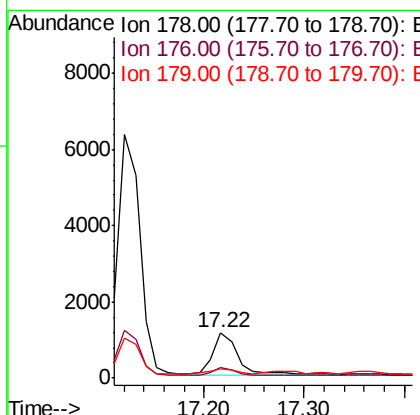
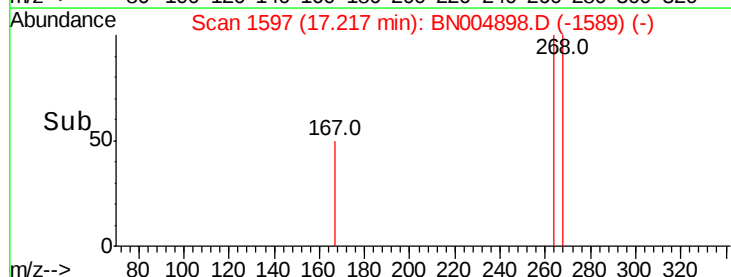
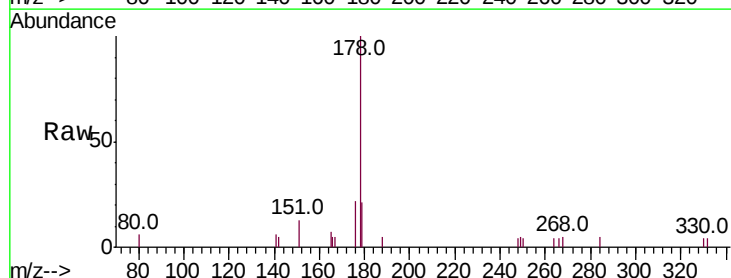
RT: 17.22 min Scan# 1597

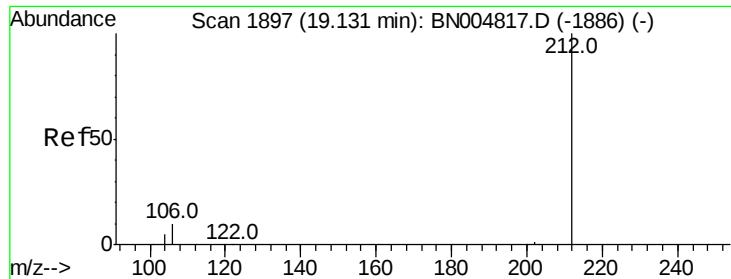
Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Tgt Ion:178	Resp:	1876
Ion Ratio	Lower	Upper
178 100		
176 17.5	14.5	21.7
179 14.6	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.278 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Instrument :

BNA_N

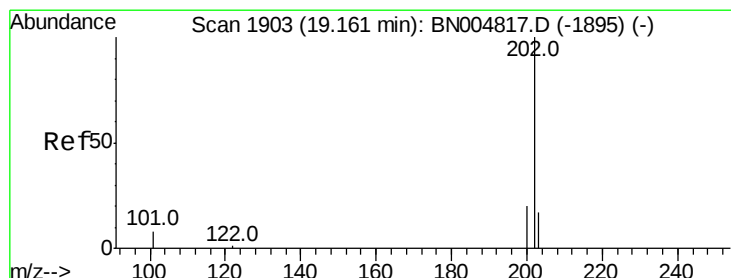
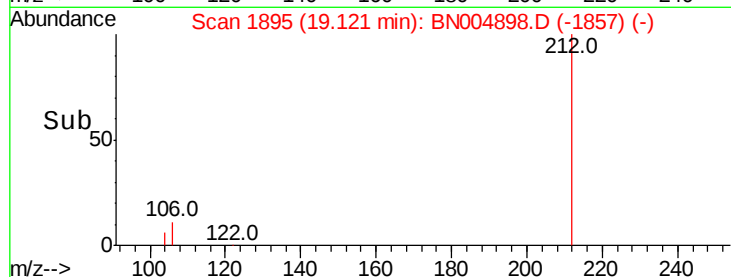
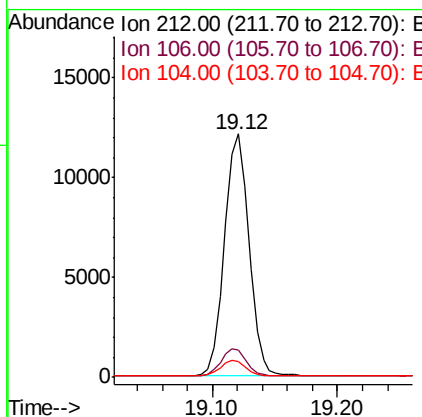
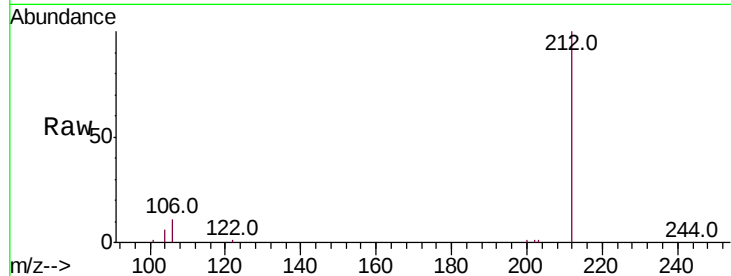
ClientSampleId :

PST-026-B117-031819

Tot Ion	Ratio	Lower	Upper
212	100		
106	11.7	8.6	13.0
104	6.5	4.7	7.1

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



#26

Fluoranthene

Concen: 0.251 ng

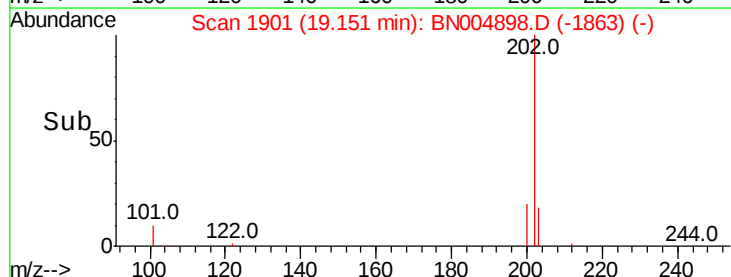
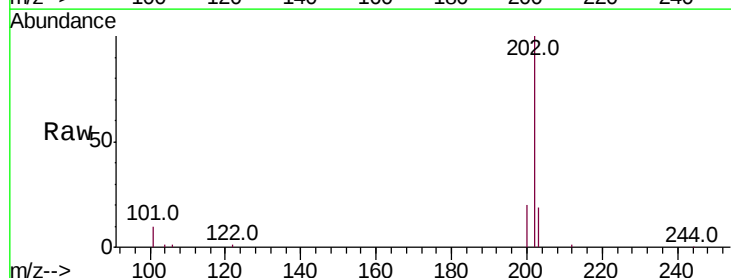
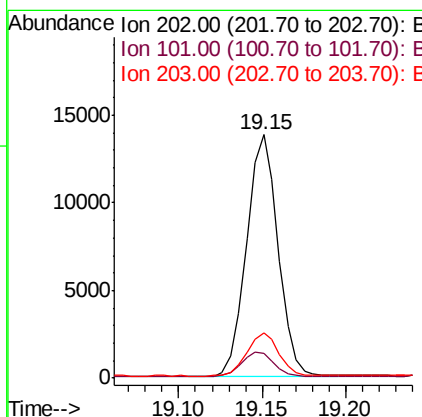
RT: 19.15 min Scan# 1901

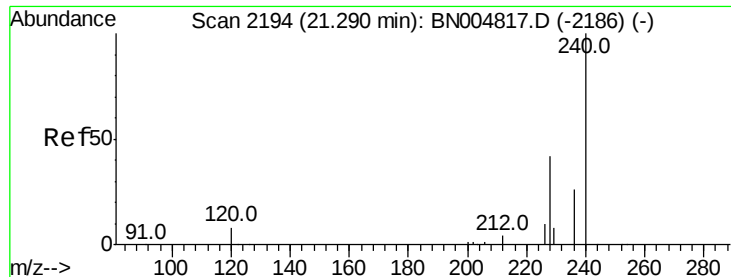
Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.5	11.3
203	17.9	13.8	20.6





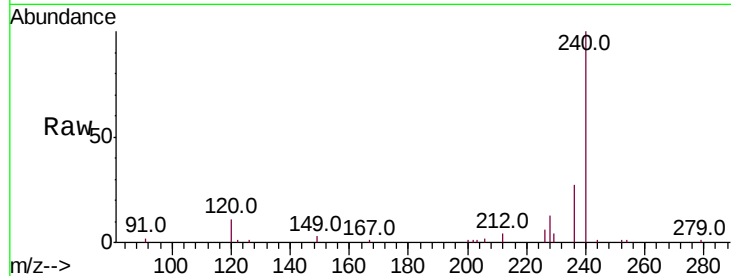
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Instrument :
BNA_N
ClientSampleId :
PST-026-B117-031819

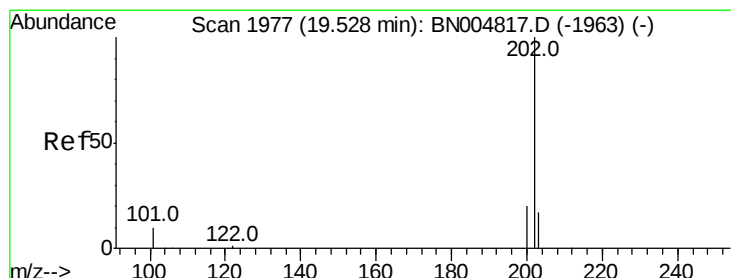
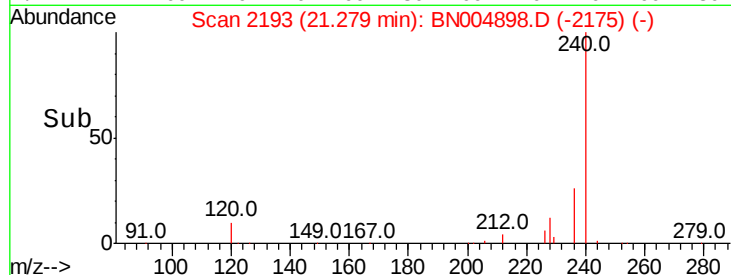
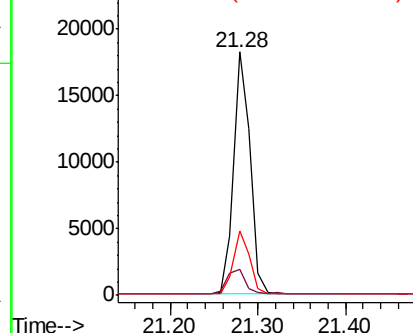
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.2	10.8
236	26.7	20.9	31.3

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



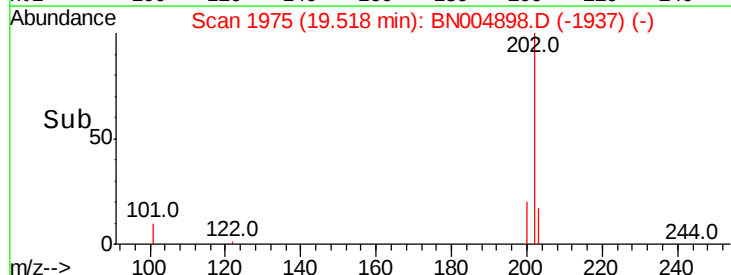
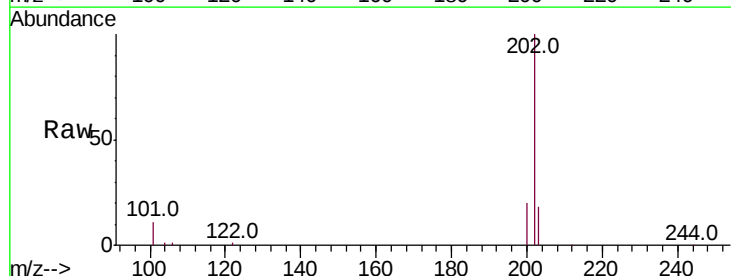
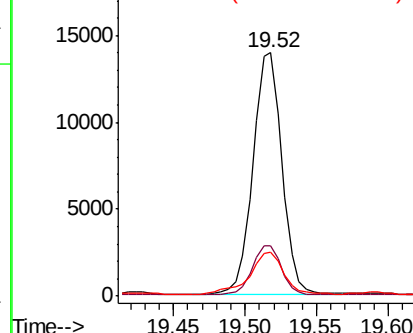
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

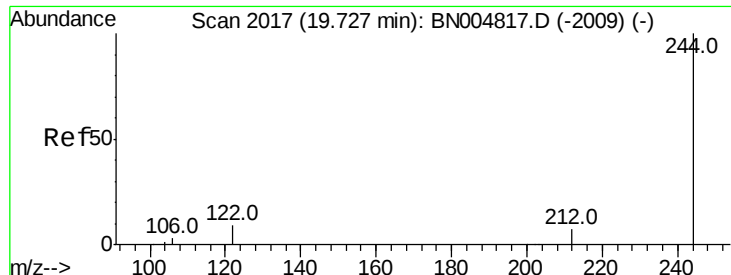


#28
Pyrene
Concen: 0.272 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.0	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: 0.399 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Instrument :

BNA_N

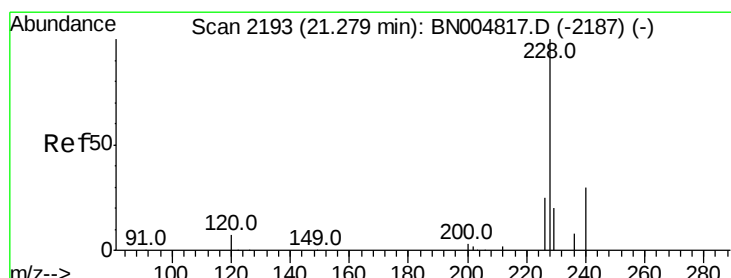
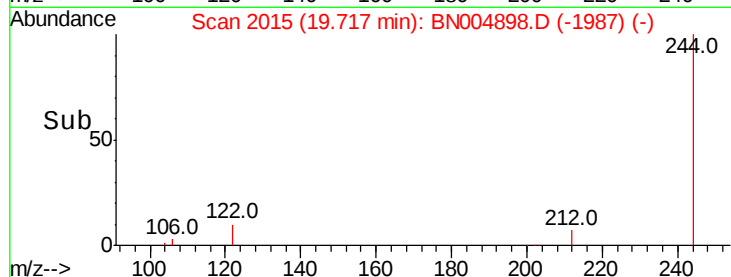
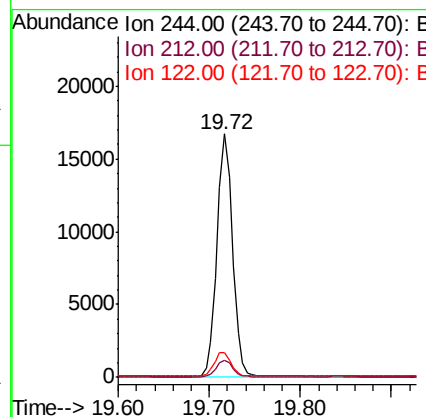
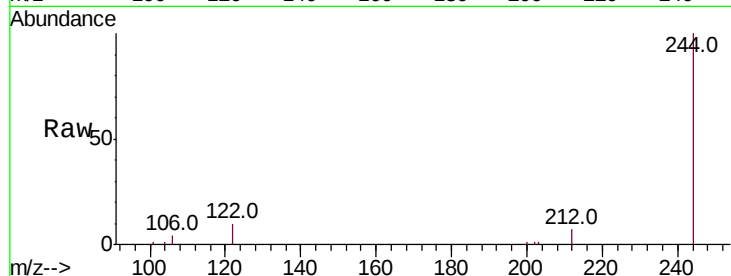
ClientSampleId :

PST-026-B117-031819

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	10.2	7.9	11.9

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM



#30

Benzo(a)anthracene

Concen: 0.137 ng

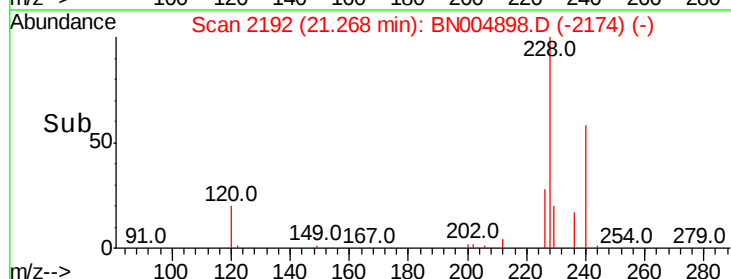
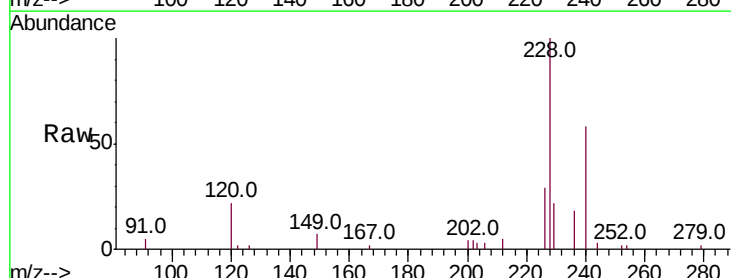
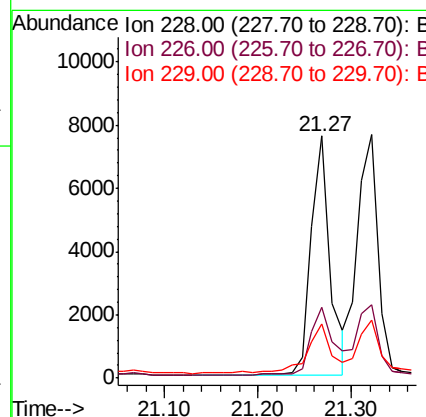
RT: 21.27 min Scan# 2192

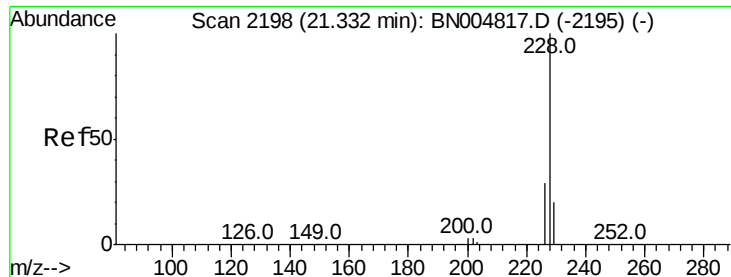
Delta R.T. -0.01 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	20.6	31.0
229	22.4	16.2	24.4





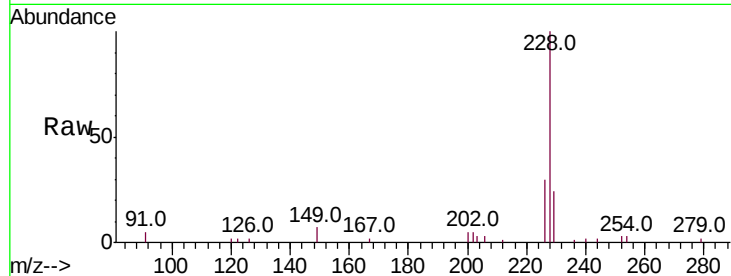
#31
 Chrysene
 Concen: 0.141 ng
 RT: 21.32 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BN004898.D
 Acq: 22 Mar 2019 23:44

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B117-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.0	34.6
229	23.6	16.2	24.2

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:55 AM

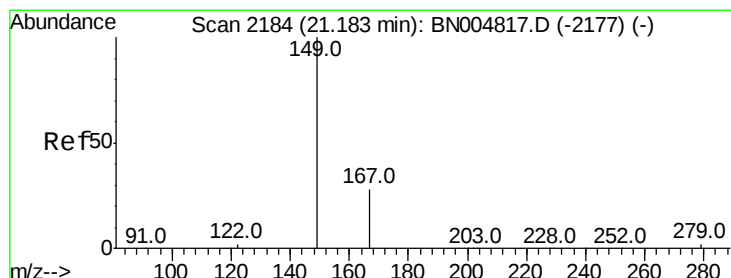
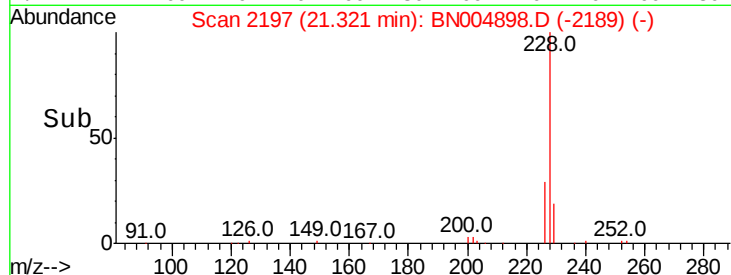
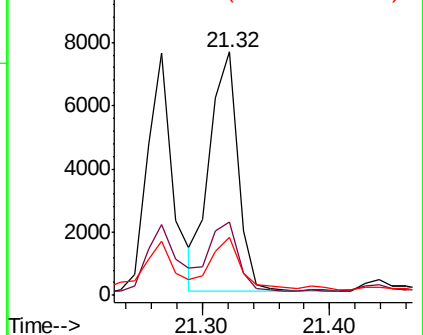


Abundance

Ion 228.00 (227.70 to 228.70): E

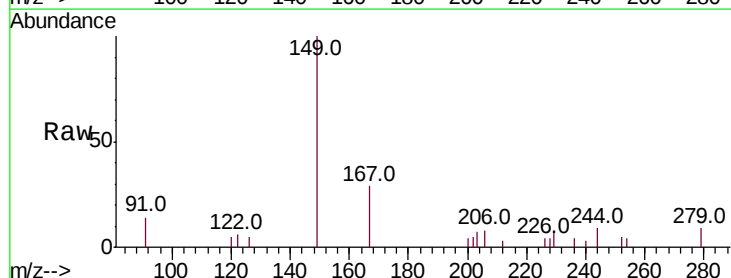
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.097 ng
 RT: 21.18 min Scan# 2184
 Delta R.T. 0.00 min
 Lab File: BN004898.D
 Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.0	34.4
279	5.6	4.6	6.8

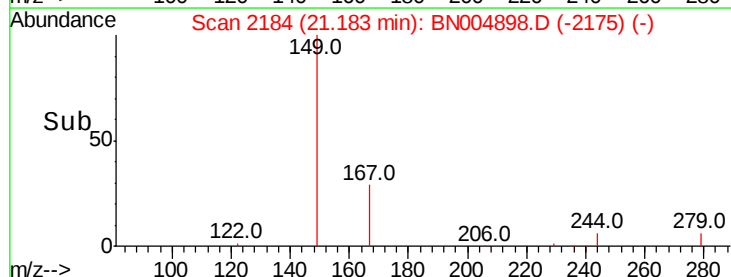
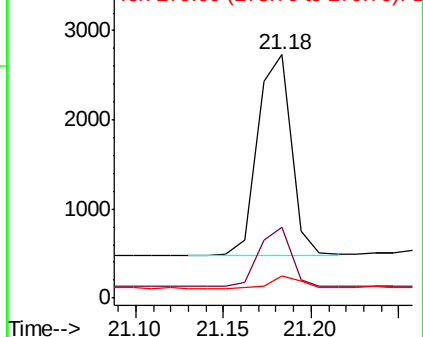


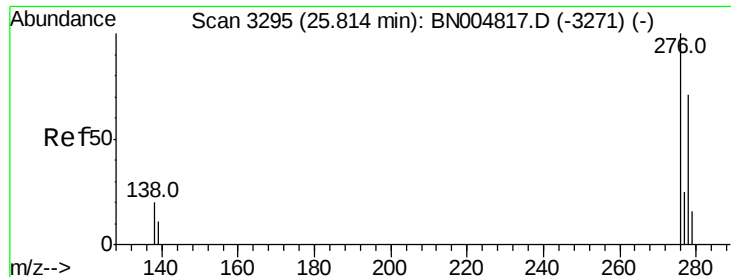
Abundance

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





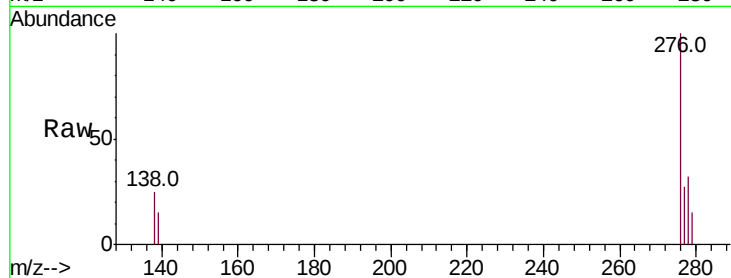
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.063 ng
 RT: 25.80 min Scan# 3291
 Delta R.T. -0.01 min
 Lab File: BN004898.D
 Acq: 22 Mar 2019 23:44

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B117-031819

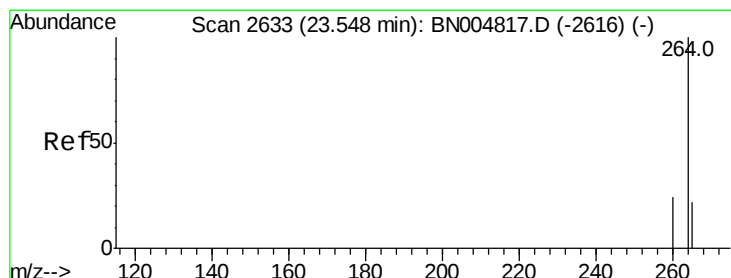
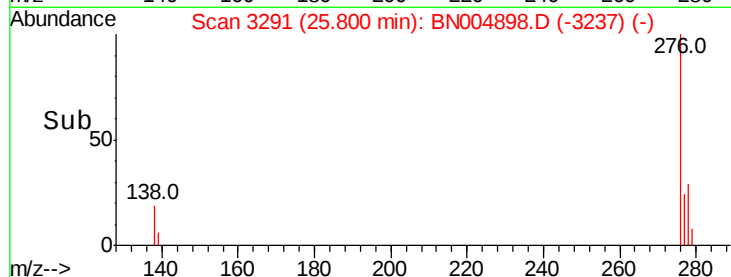
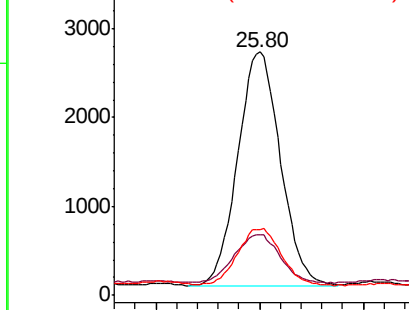
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	16.6	24.8
277	24.8	20.3	30.5

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:55 AM



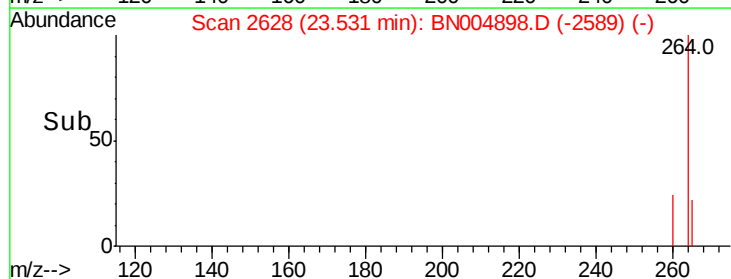
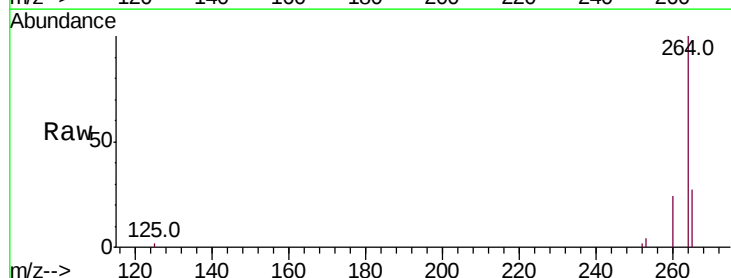
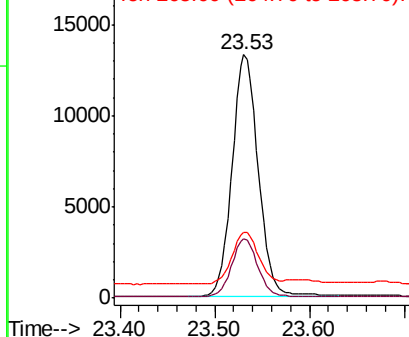
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

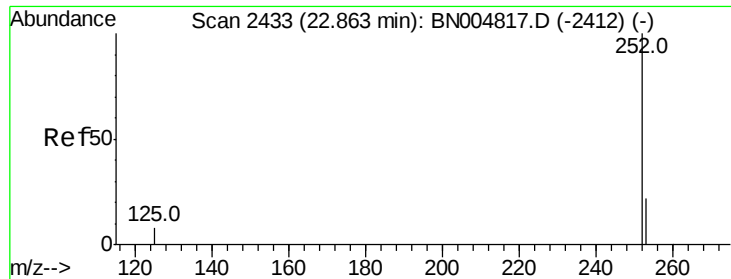


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BN004898.D
 Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	27.2	23.1	34.7

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





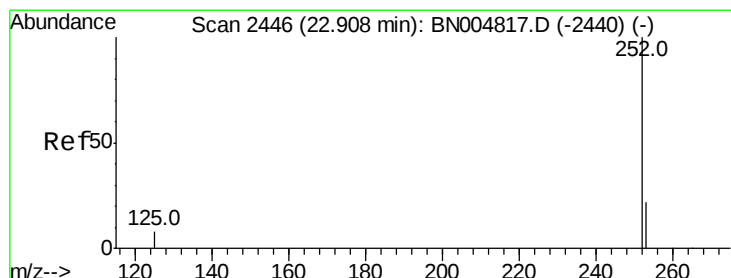
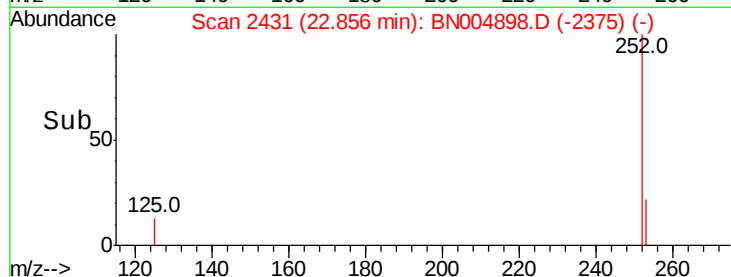
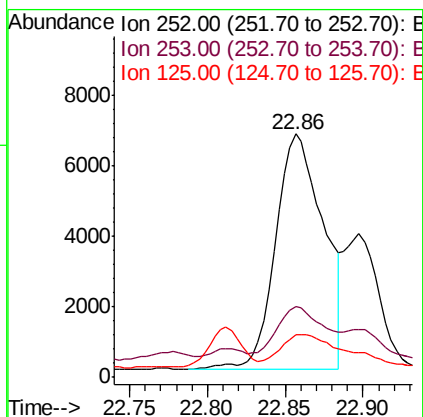
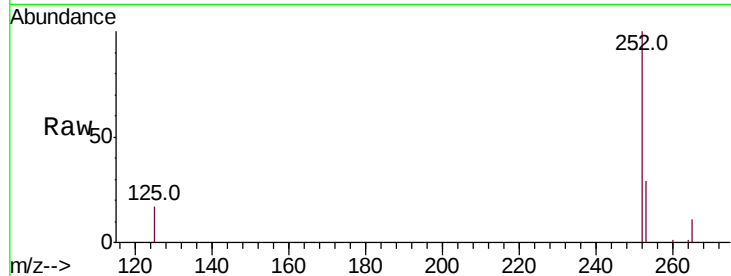
#35
Benzo(b)fluoranthene
Concen: 0.155 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Instrument :
BNA_N
ClientSampleId :
PST-026-B117-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	19.0	28.4#
125	17.3	7.4	11.2#

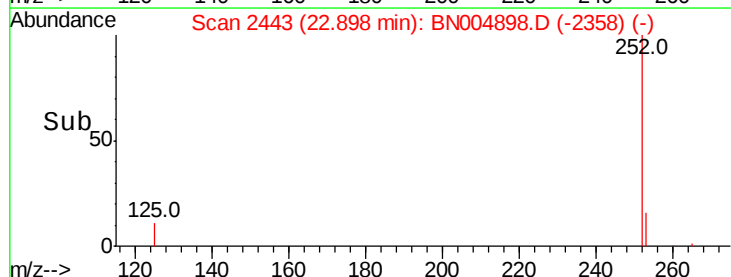
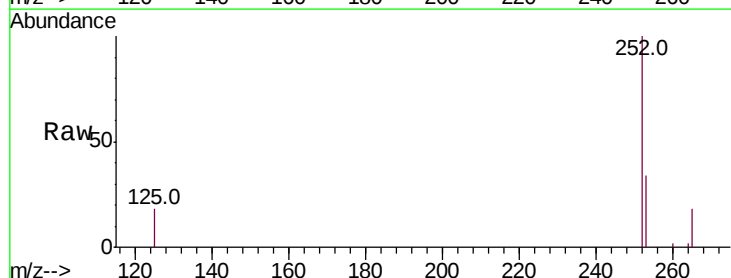
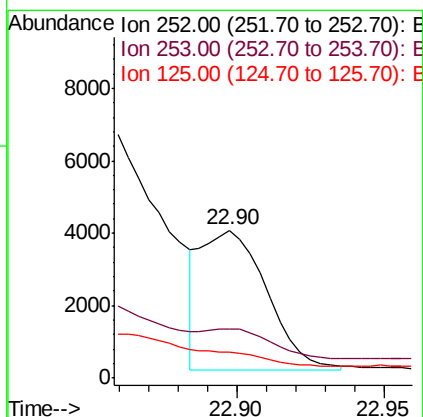
Manual Integrations
APPROVED

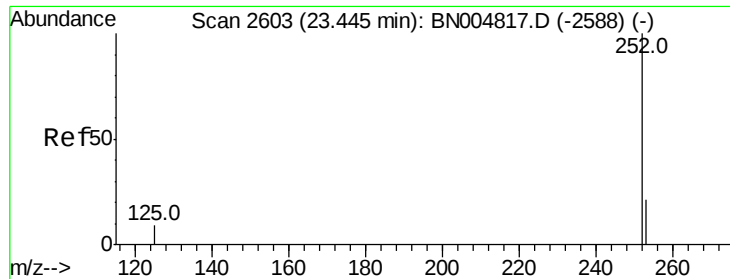
Sohil
3/25/2019 8:57:55 AM



#36
Benzo(k)fluoranthene
Concen: 0.066 ng m
RT: 22.90 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.6	19.3	28.9#
125	17.6	7.4	11.0#





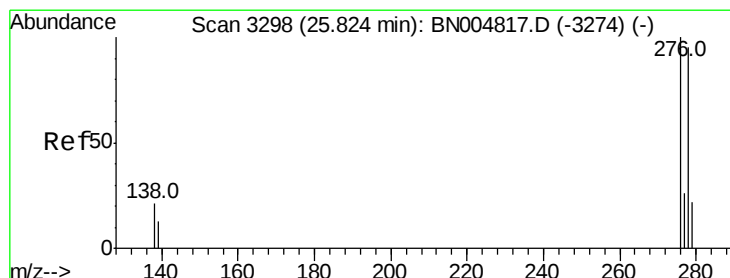
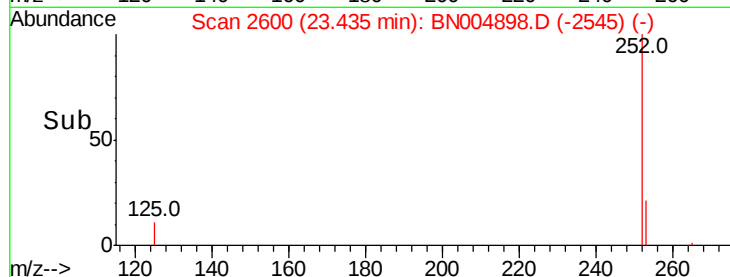
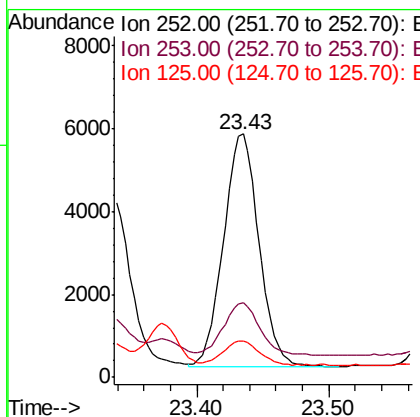
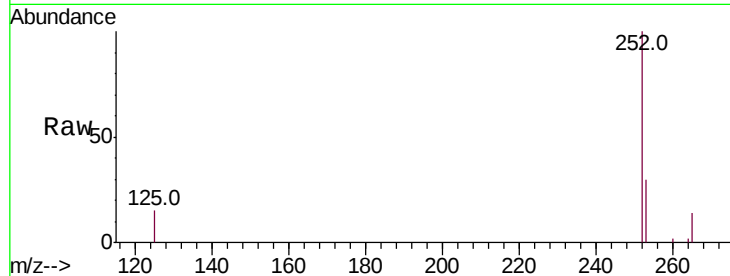
#37
Benzo(a)pyrene
Concen: 0.125 ng
RT: 23.43 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Instrument :
BNA_N
ClientSampleId :
PST-026-B117-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.4	19.7	29.5#
125	15.1	8.3	12.5#

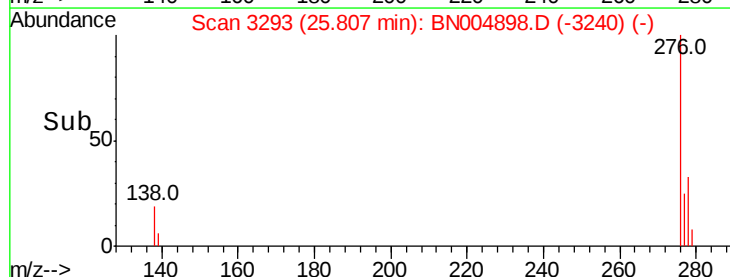
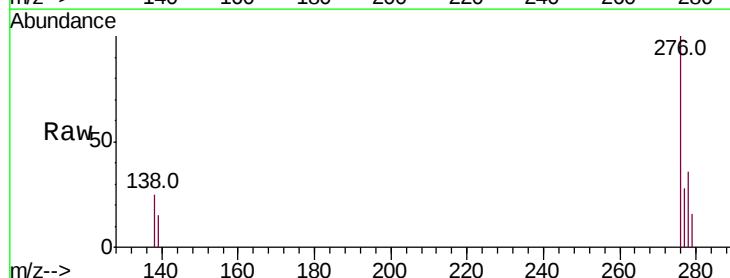
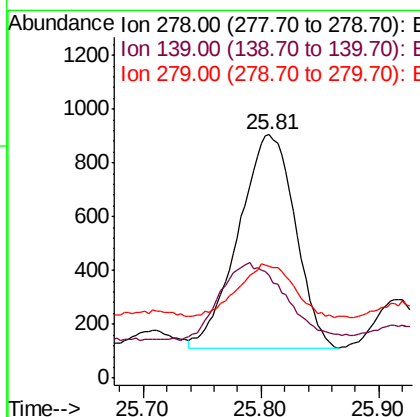
Manual Integrations
APPROVED

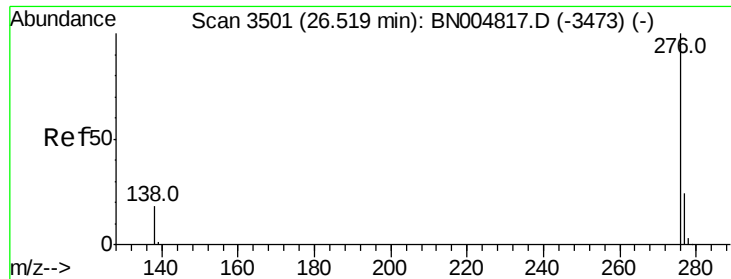
Sohil
3/25/2019 8:57:55 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.027 ng
RT: 25.81 min Scan# 3293
Delta R.T. -0.02 min
Lab File: BN004898.D
Acq: 22 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.1	11.7	17.5#
279	46.1	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.076 ng

RT: 26.50 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BN004898.D

Acq: 22 Mar 2019 23:44

Instrument :

BNA_N

ClientSampleId :

PST-026-B117-031819

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.7	29.5
138	23.1	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/25/2019 8:57:55 AM

