

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
 Data File : BN004928.D
 Acq On : 23 Mar 2019 19:40
 Operator : JU/SJ
 Sample : K1948-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

Manual Integrations
 APPROVED

Sohil
 3/25/2019 1:34:39 PM

Quant Time: Mar 24 01:51:01 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	1623	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	6638	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	3649	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	8532	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	12304	0.40	ng	-0.01
34) Perylene-d12	23.53	264	15623	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	1812	0.41	ng	0.00
5) Phenol-d6	6.86	99	2268	0.41	ng	-0.02
8) Nitrobenzene-d5	8.84	82	1811	0.41	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	3742	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	838	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	5018	0.33	ng	-0.01
25) Fluoranthene-d10	19.12	212	9532	0.33	ng	-0.01
29) Terphenyl-d14	19.72	244	6026	0.24	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.05	152	1083	0.058	ng	97
23) Phenanthrene	17.12	178	5043	0.183	ng	98
24) Anthracene	17.22	178	1076	0.044	ng	98
26) Fluoranthene	19.15	202	10432	0.295	ng	# 97
28) Pyrene	19.51	202	10309	0.275	ng	# 96
30) Benzo(a)anthracene	21.27	228	6210	0.154	ng	# 88
31) Chrysene	21.32	228	6598	0.155	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.17	149	5605	0.348	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	5584	0.091	ng	97
35) Benzo(b)fluoranthene	22.85	252	9732	0.172	ng	# 68
36) Benzo(k)fluoranthene	22.89	252	3373m	0.061	ng	
37) Benzo(a)pyrene	23.43	252	7030	0.136	ng	# 72
39) Benzo(a,h,i)perylene	26.50	276	5937	0.097	ng	# 84

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

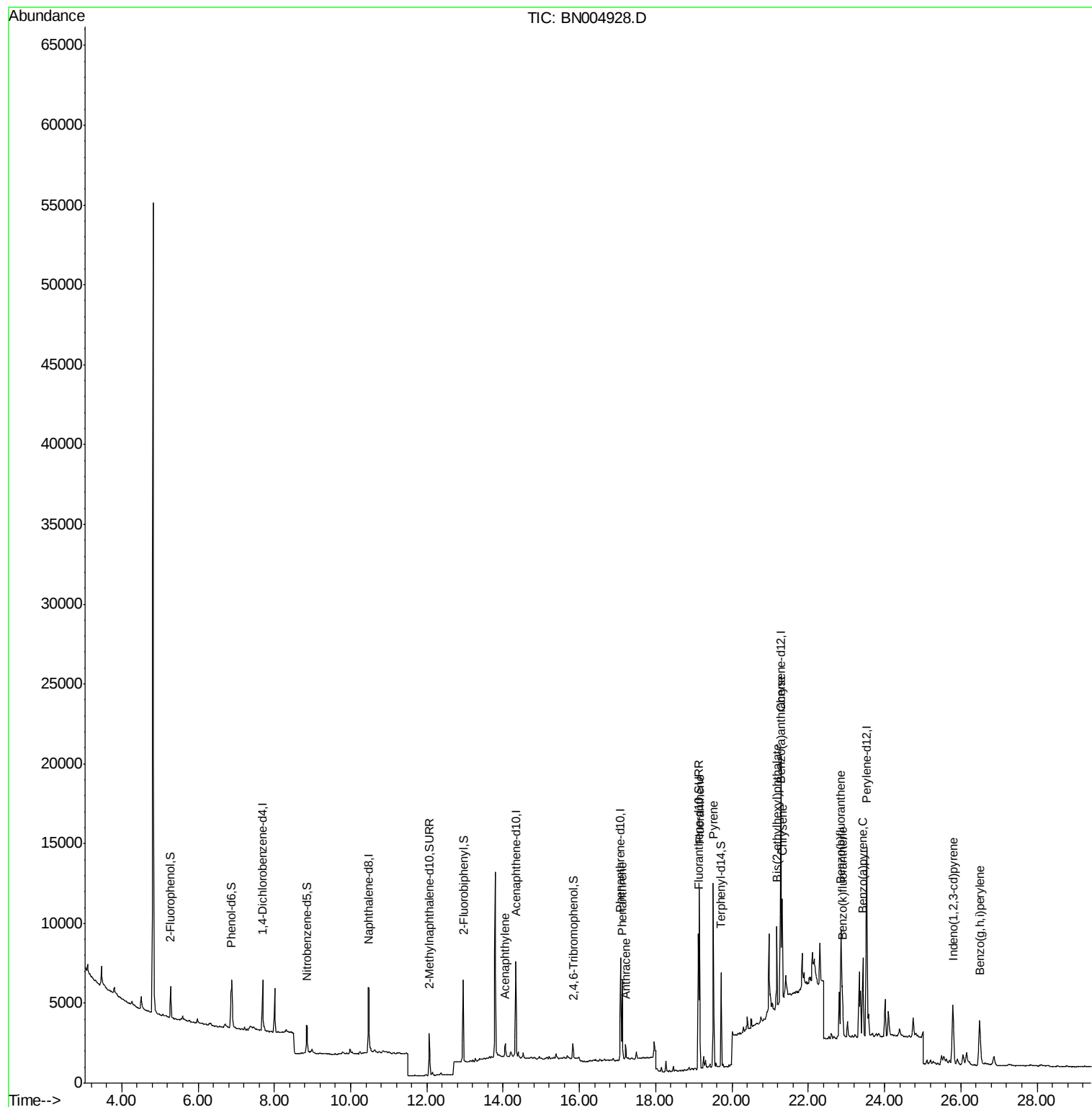
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
Data File : BN004928.D
Acq On : 23 Mar 2019 19:40
Operator : JU/SJ
Sample : K1948-14
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM

Quant Time: Mar 24 01:51:01 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

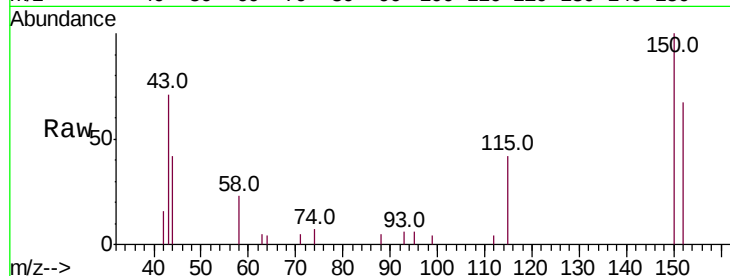
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	126.2	189.4
115	62.7	52.6	79.0

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM

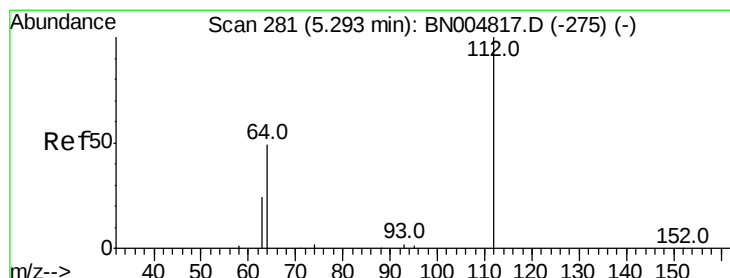
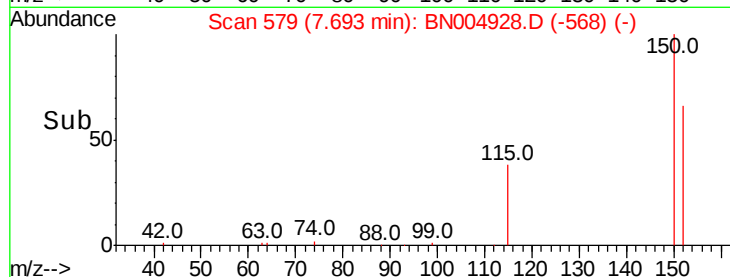
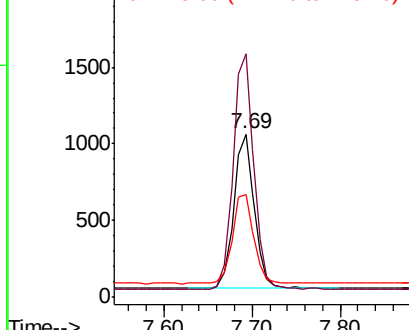


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

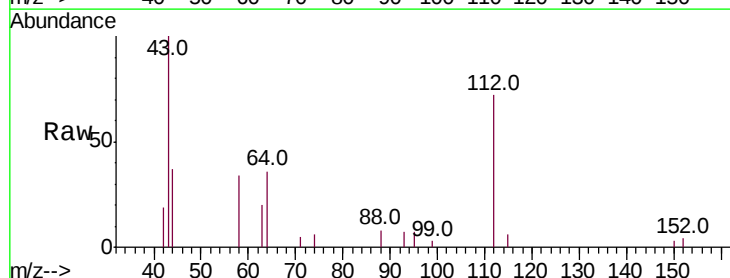
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.411 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.0	60.0
63	26.7	20.2	30.2

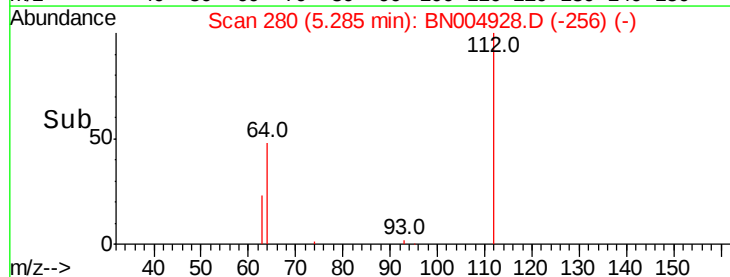
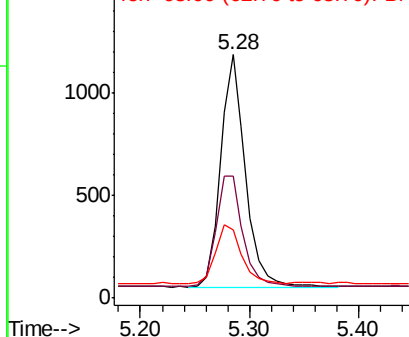


Abundance

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: 0.413 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

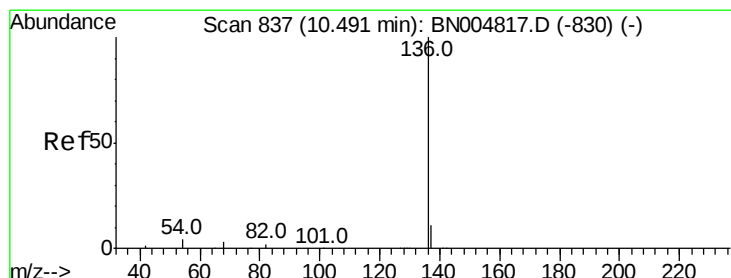
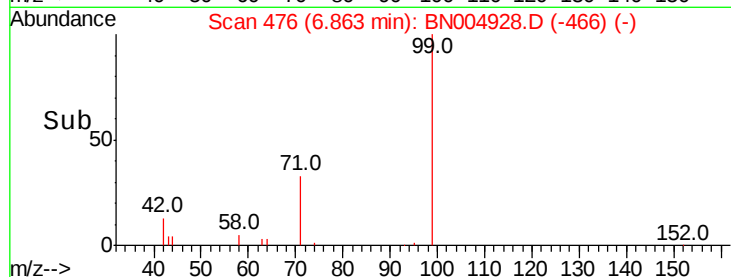
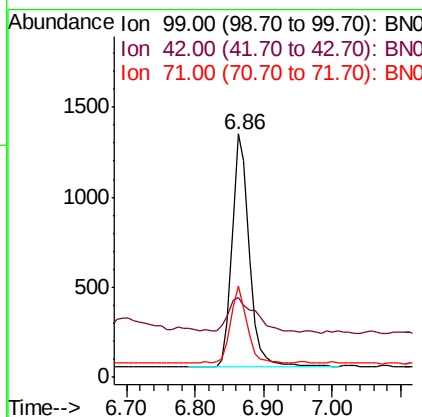
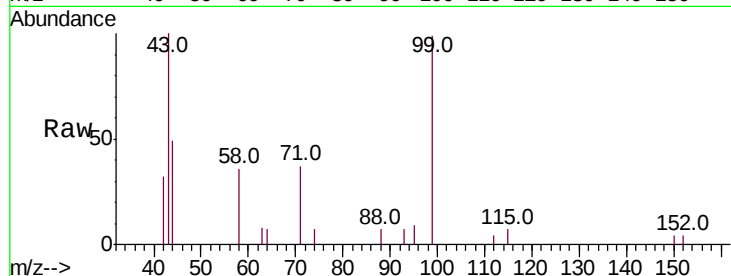
ClientSampleId :

PST-025-SW046-031319

Tot Ion:	99	Resp:	2268
Ion Ratio	Lower	Upper	
99	100		
42	23.0	12.7	19.1#
71	31.7	26.6	40.0

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM



#7

Naphthalene-d8

Concen: 0.400 ng

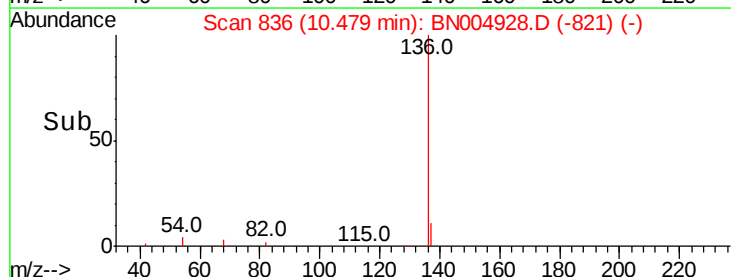
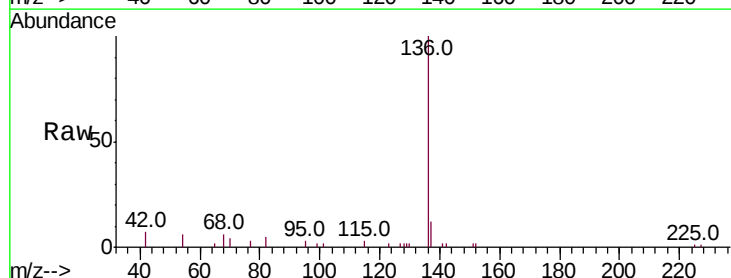
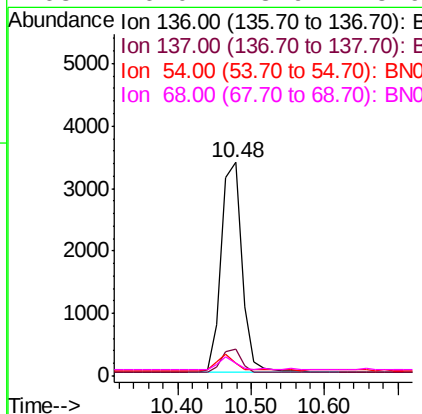
RT: 10.48 min Scan# 836

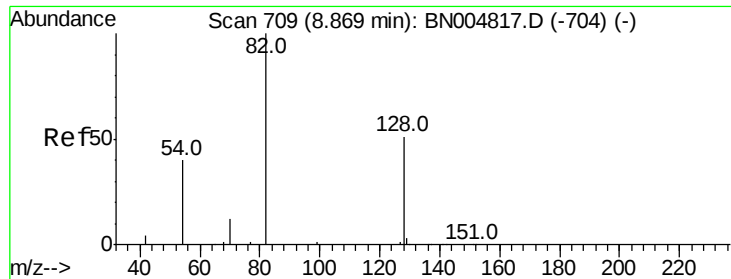
Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Tgt Ion:	136	Resp:	6638
Ion Ratio	Lower	Upper	
136	100		
137	12.4	9.6	14.4
54	6.2	4.2	6.2
68	6.0	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.412 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

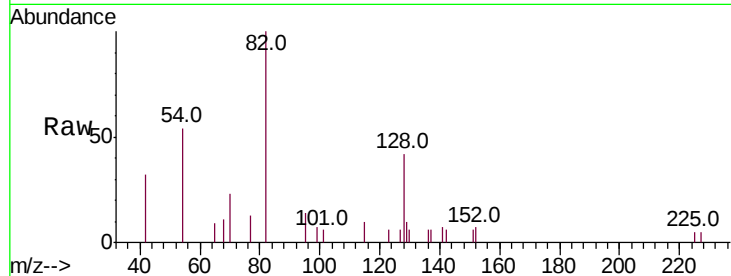
ClientSampleId :

PST-025-SW046-031319

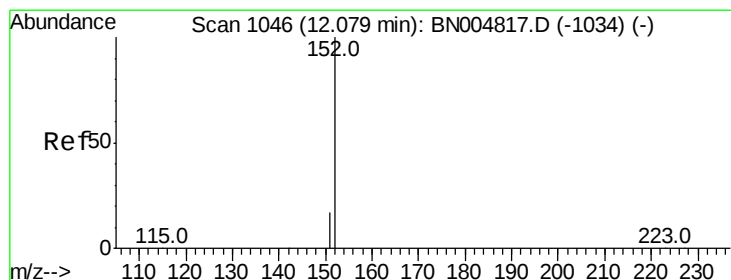
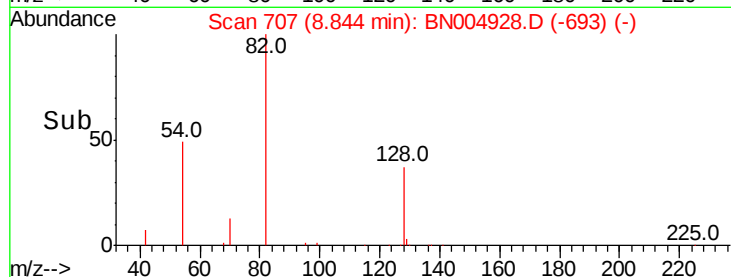
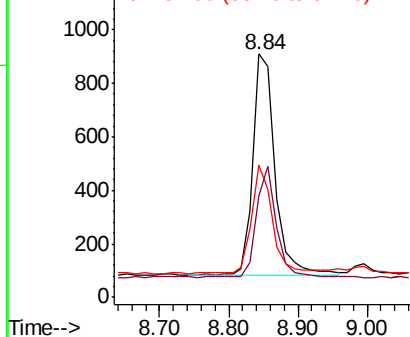
Tot Ion:	82	Resp:	1811
Ion Ratio	Lower	Upper	
82	100		
128	41.8	43.0	64.6#
54	54.3	35.3	52.9#

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM



Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0



#11

2-Methylnaphthalene-d10

Concen: 0.323 ng

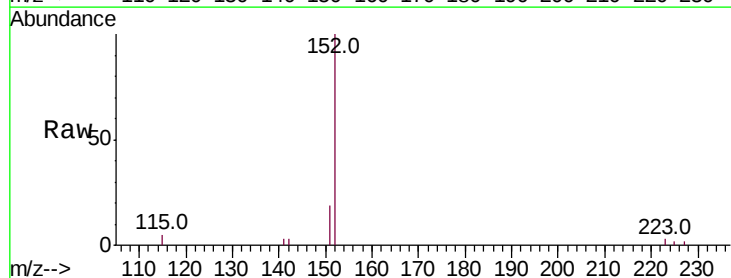
RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

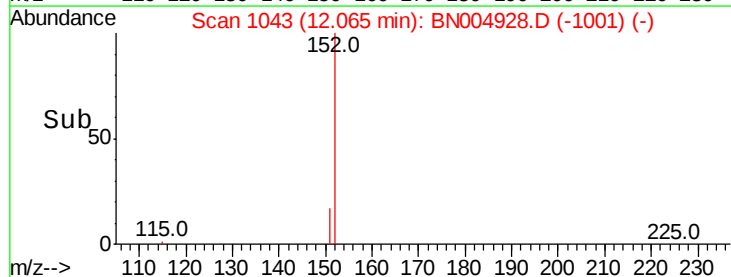
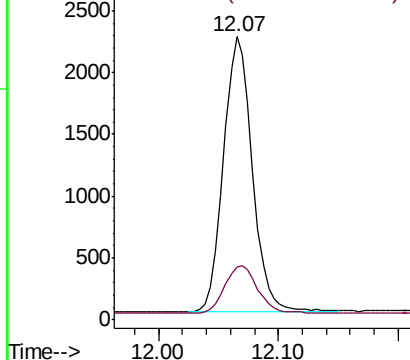
Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Tgt Ion:	152	Resp:	3742
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

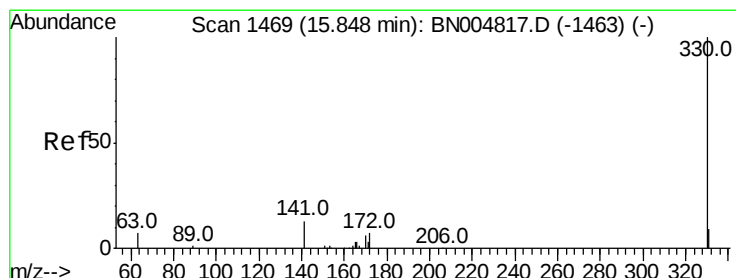
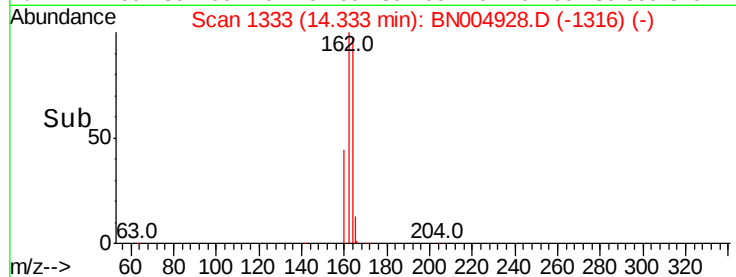
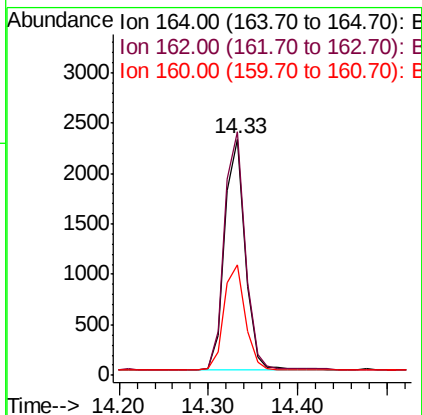
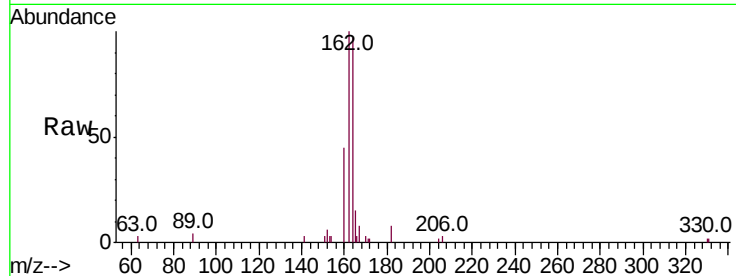
ClientSampleId :

PST-025-SW046-031319

Tot Ion:	164	Resp:	3649
Ion Ratio	Lower	Upper	
164	100		
162	103.0	81.9	122.9
160	46.5	36.6	54.8

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM



#14

2,4,6-Tribromophenol

Concen: 0.333 ng

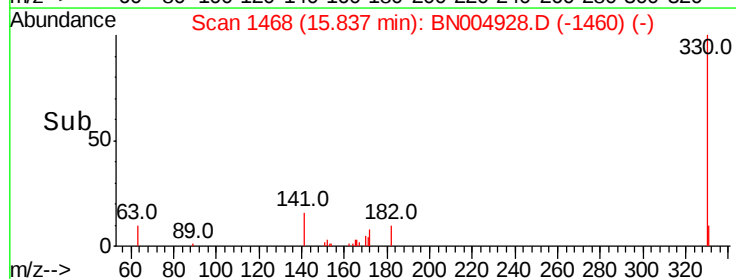
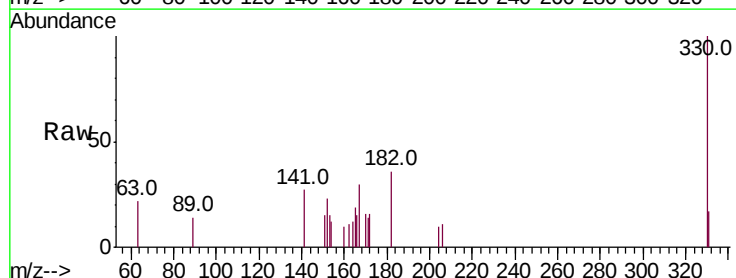
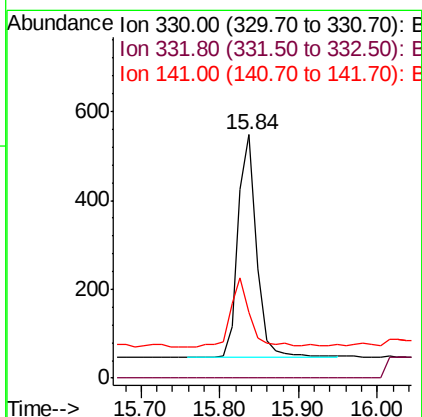
RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Tgt Ion:	330	Resp:	838
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	33.5	20.9	31.3#





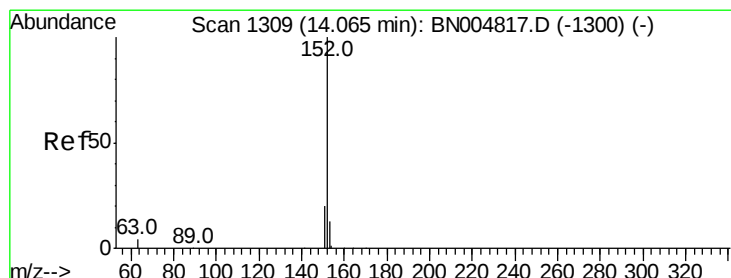
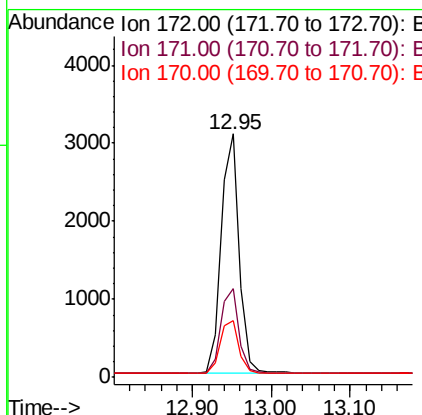
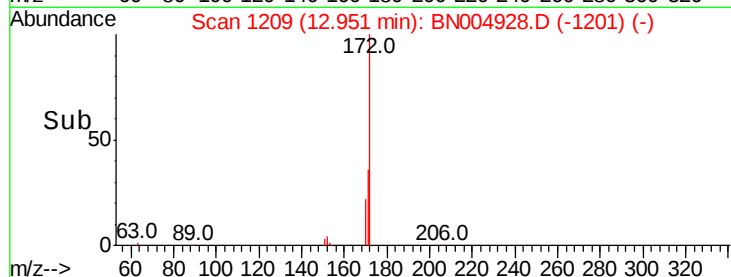
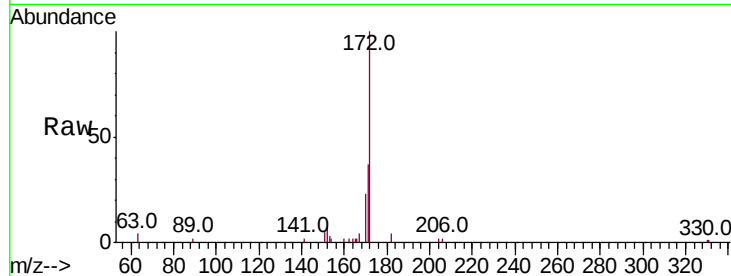
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	23.1	18.7	28.1

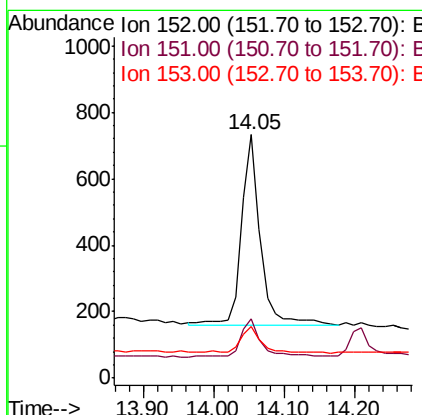
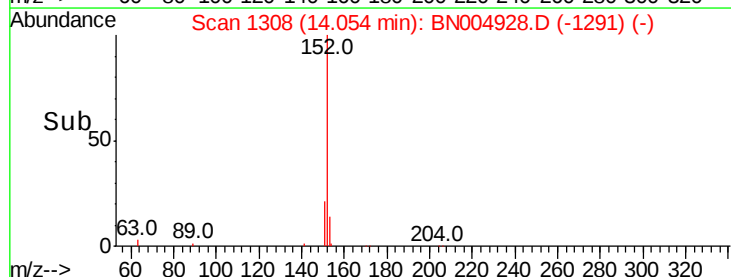
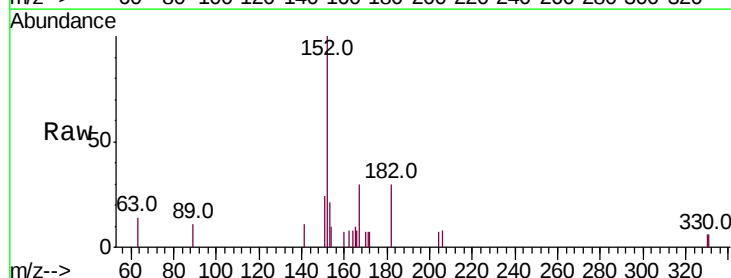
Manual Integrations
APPROVED

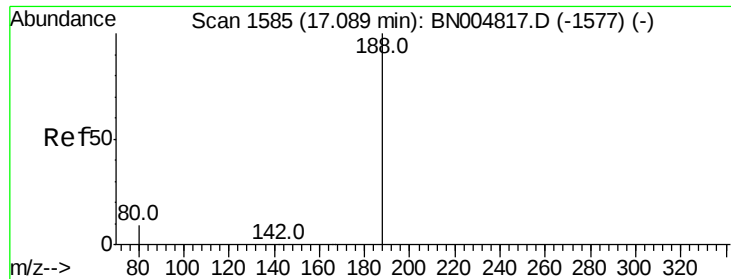
Sohil
3/25/2019 1:34:39 PM



#16
Acenaphthylene
Concen: 0.058 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	15.3	10.5	15.7





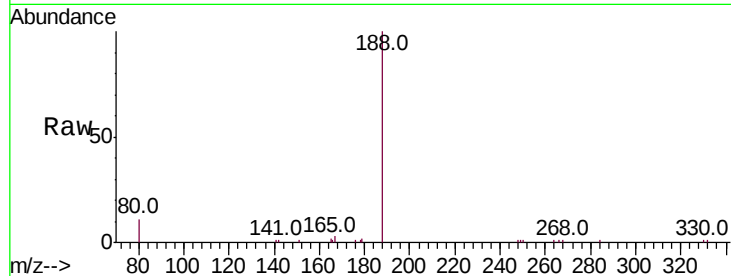
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

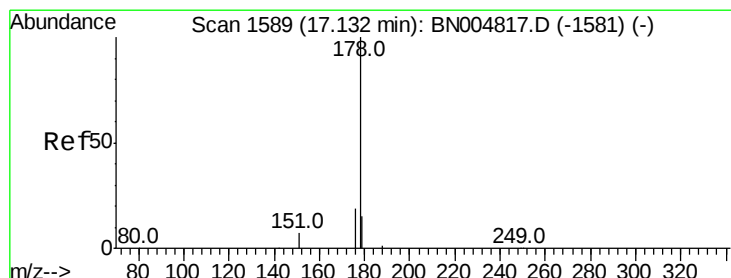
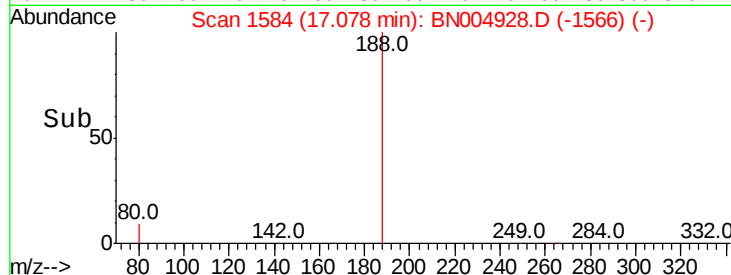
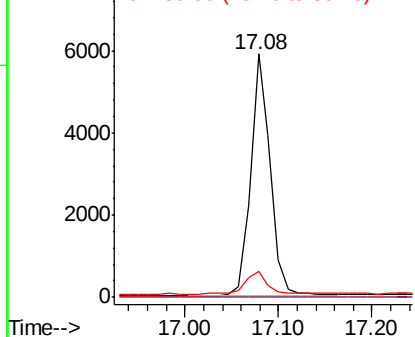
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	0.0	0.0	0.0	
80	10.6	7.4	11.2	

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM



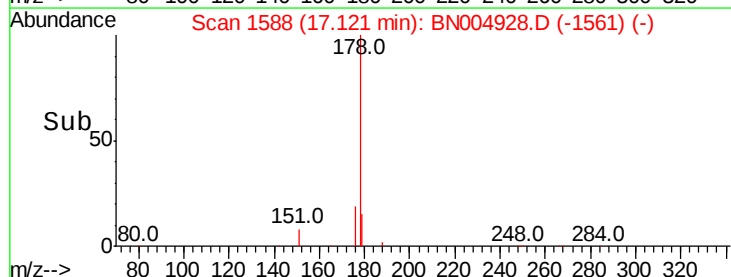
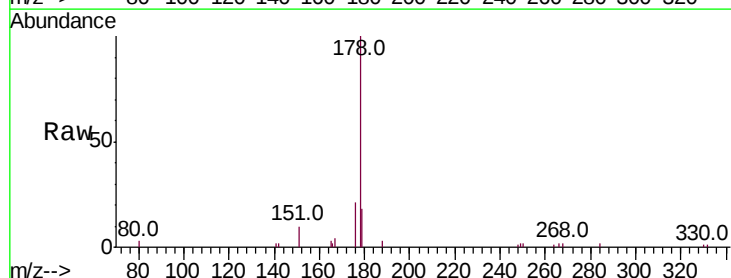
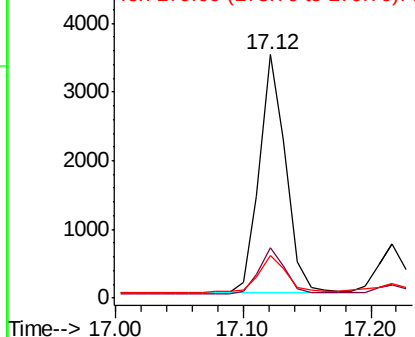
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

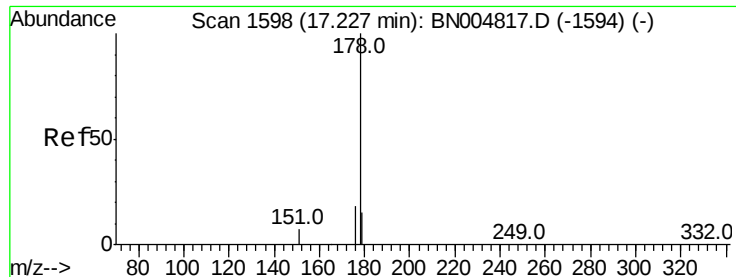


#23
Phenanthrene
Concen: 0.183 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.2	14.9	22.3	
179	16.3	12.1	18.1	

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





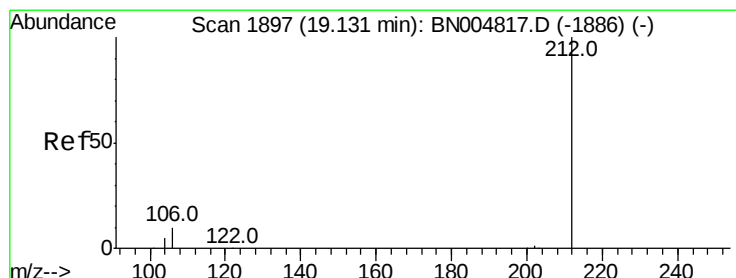
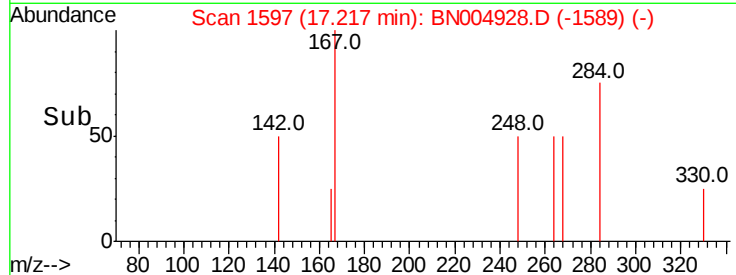
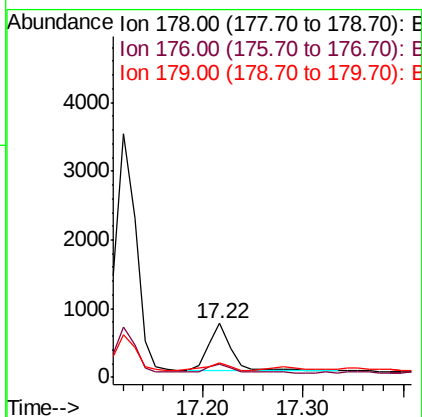
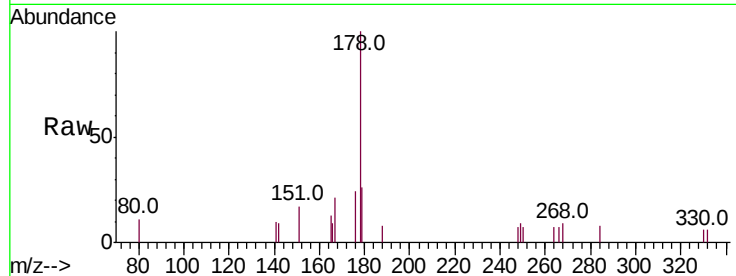
#24
 Anthracene
 Concen: 0.044 ng
 RT: 17.22 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BN004928.D
 Acq: 23 Mar 2019 19:40

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	16.6	12.2	18.4

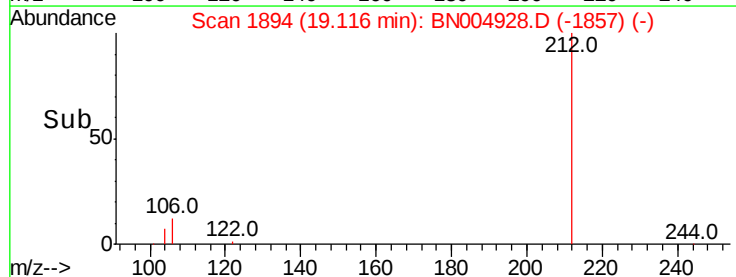
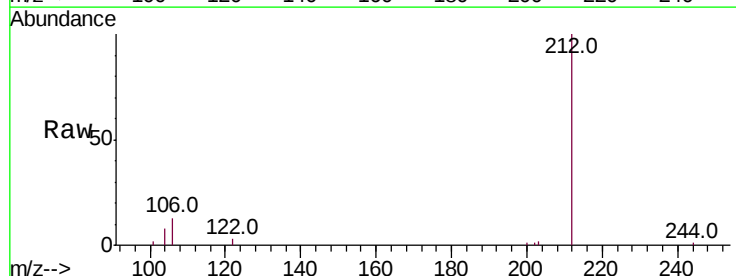
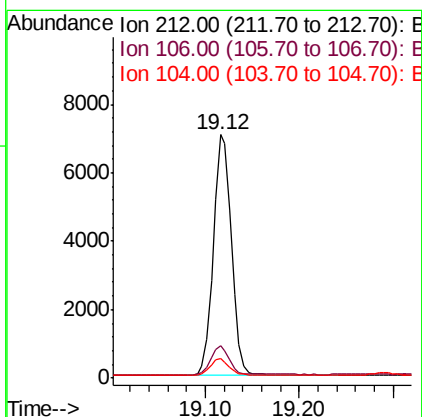
Manual Integrations
 APPROVED

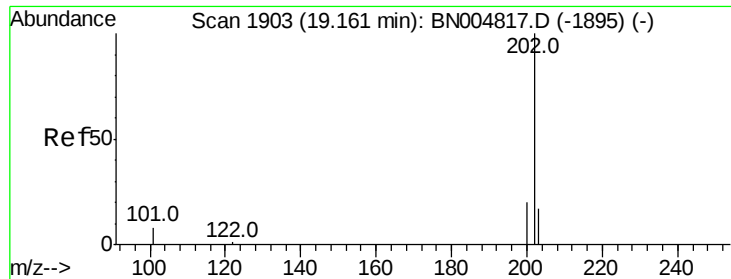
Sohil
 3/25/2019 1:34:39 PM



#25
 Fluoranthene-d10
 Concen: 0.334 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.01 min
 Lab File: BN004928.D
 Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.3	8.6	13.0
104	6.9	4.7	7.1





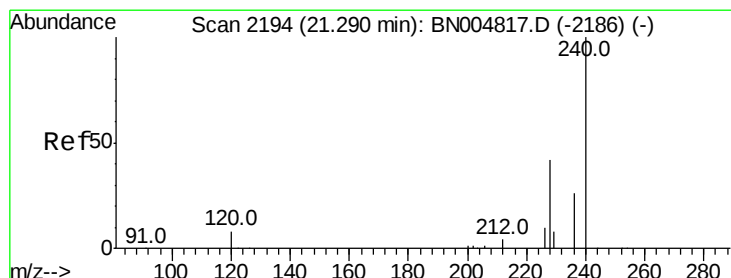
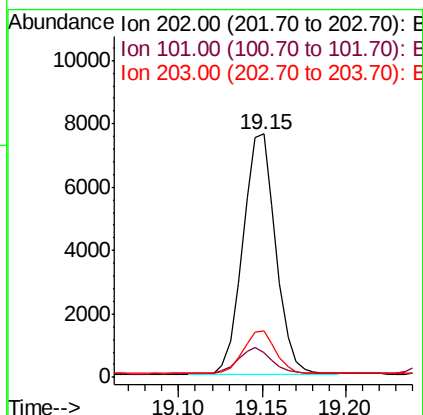
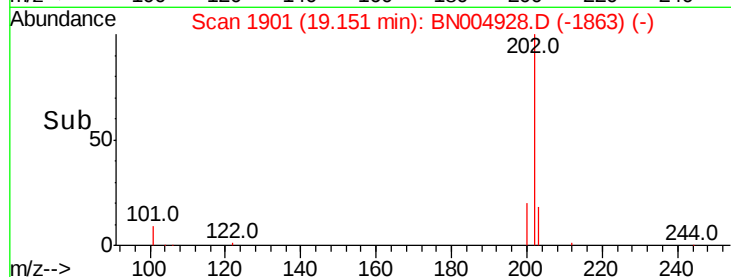
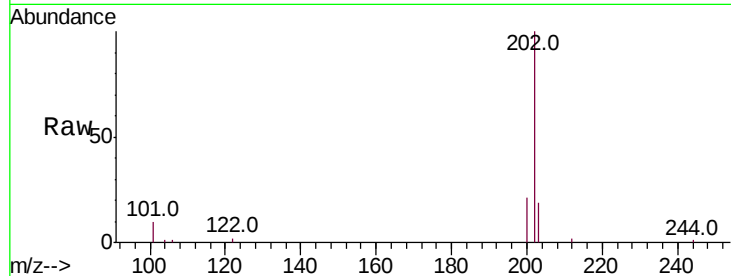
#26
 Fluoranthene
 Concen: 0.295 ng
 RT: 19.15 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BN004928.D
 Acq: 23 Mar 2019 19:40

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	7.5	11.3#
203	17.6	13.8	20.6

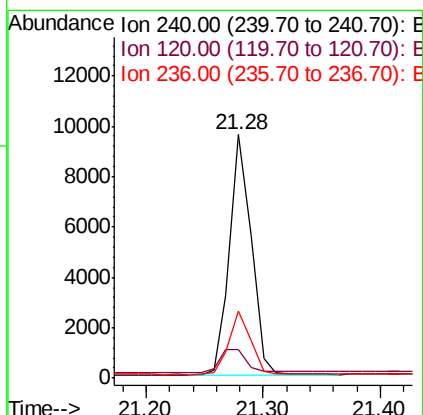
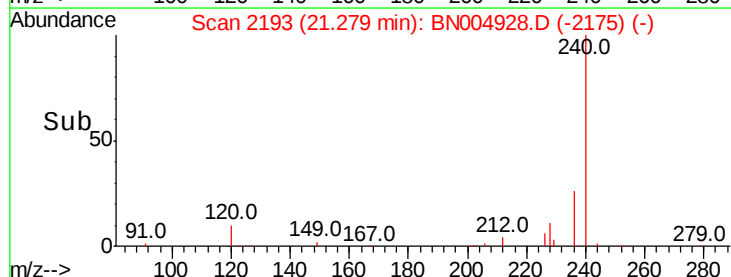
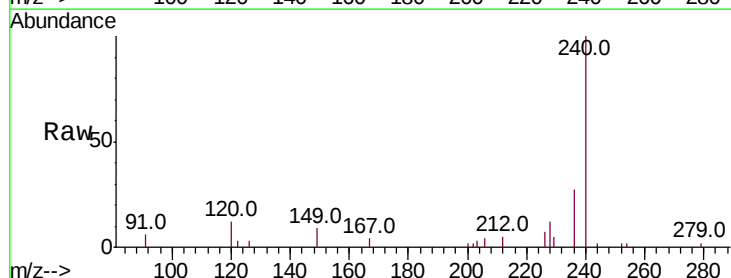
Manual Integrations
 APPROVED

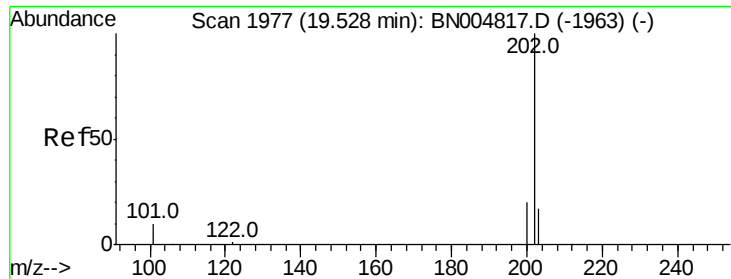
Sohil
 3/25/2019 1:34:39 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004928.D
 Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	7.2	10.8#
236	27.4	20.9	31.3





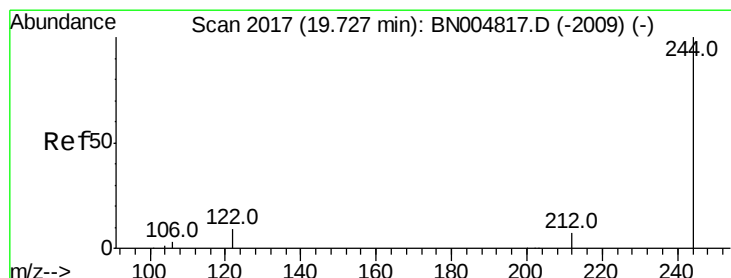
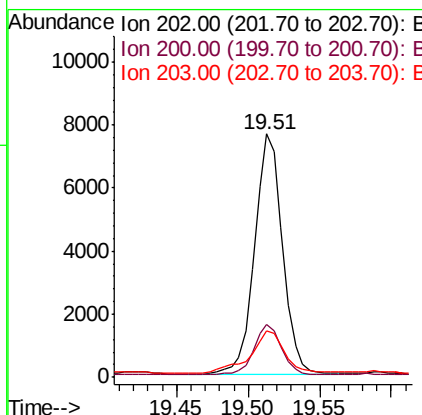
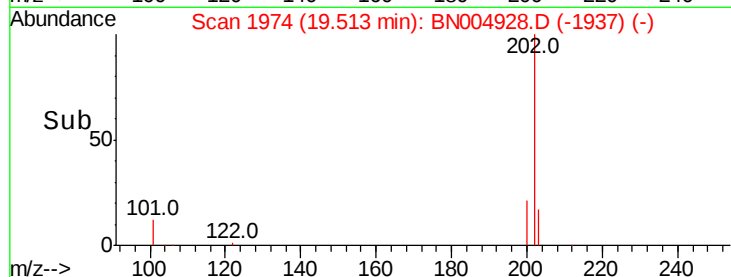
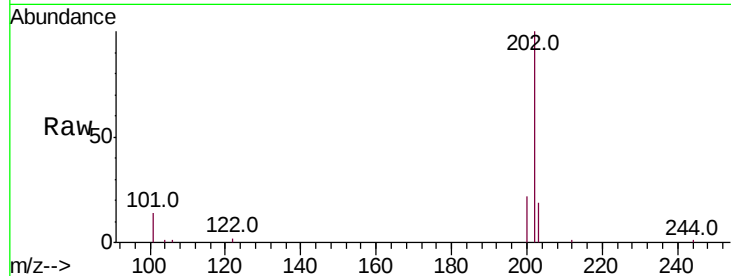
#28
Pvrene
Concen: 0.275 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	16.3	24.5	
203	21.1	14.0	21.0	

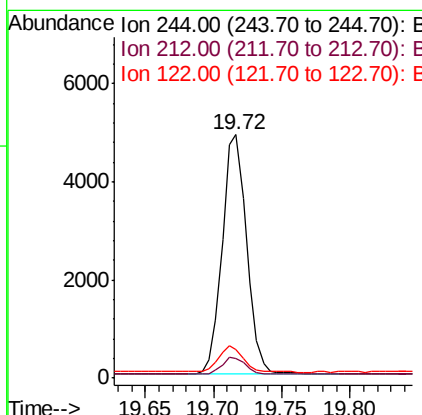
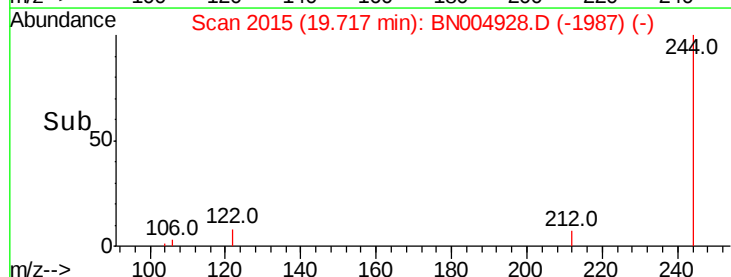
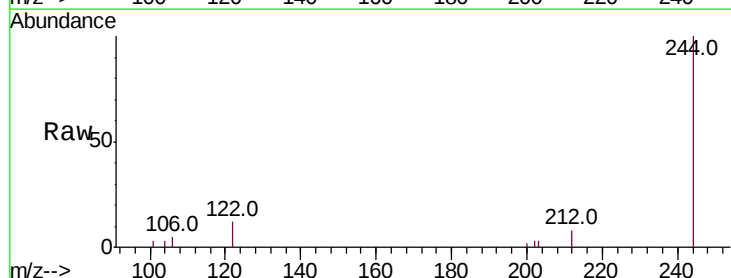
Manual Integrations
APPROVED

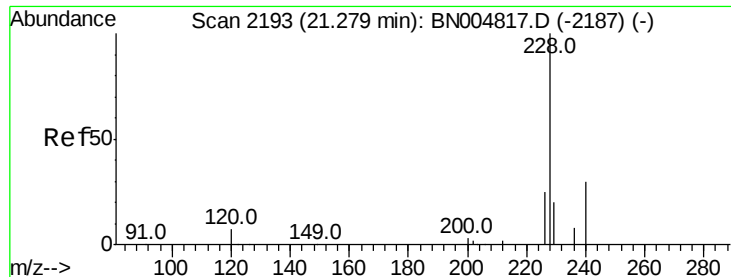
Sohil
3/25/2019 1:34:39 PM



#29
Terphenyl-d14
Concen: 0.239 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.2	5.8	8.6	
122	11.8	7.9	11.9	





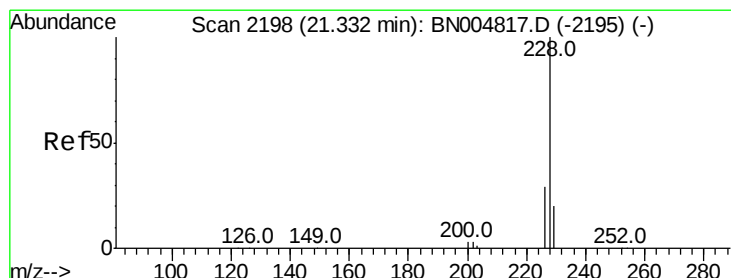
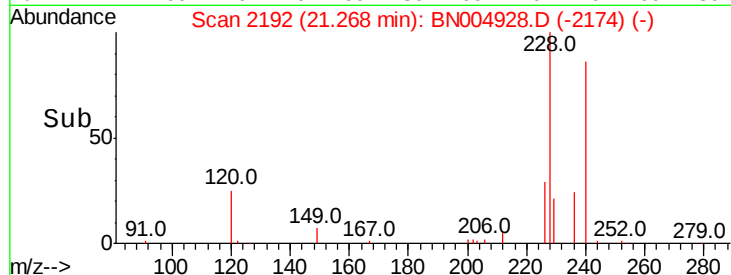
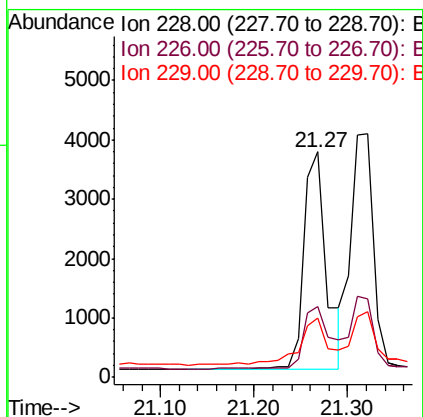
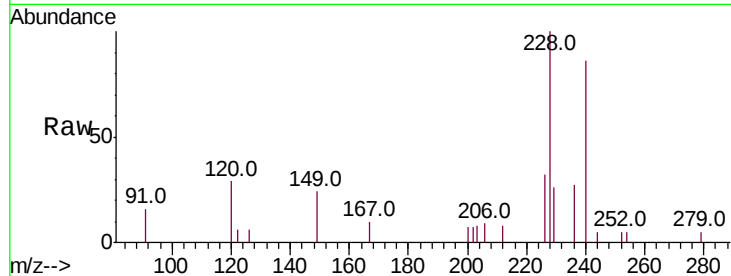
#30
Benzo(a)anthracene
Concen: 0.154 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	20.6	31.0#
229	26.1	16.2	24.4#

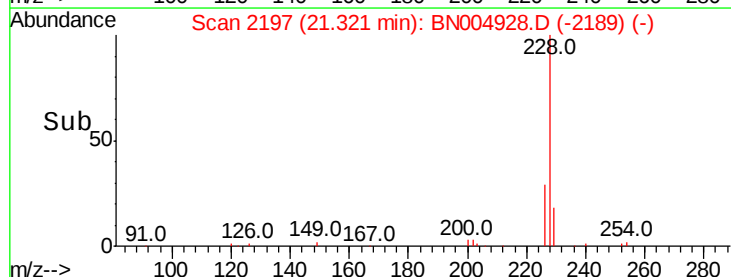
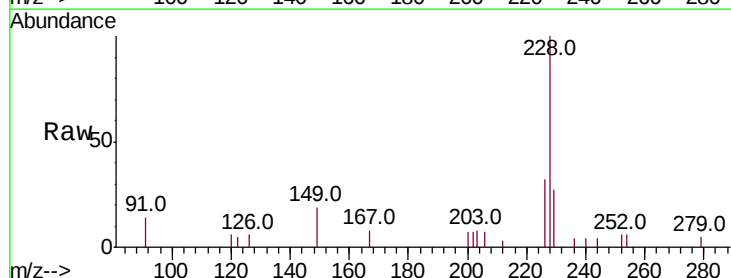
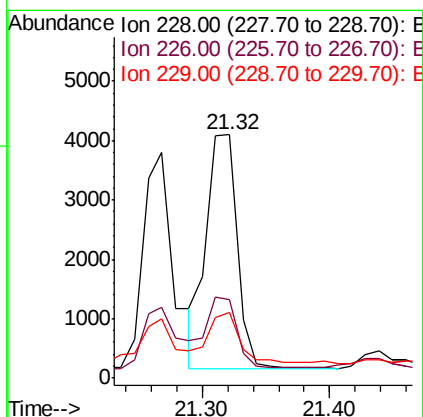
Manual Integrations
APPROVED

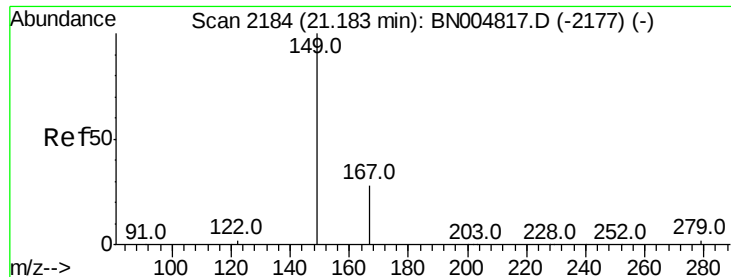
Sohil
3/25/2019 1:34:39 PM



#31
Chrysene
Concen: 0.155 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.0	34.6
229	26.9	16.2	24.2#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.348 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

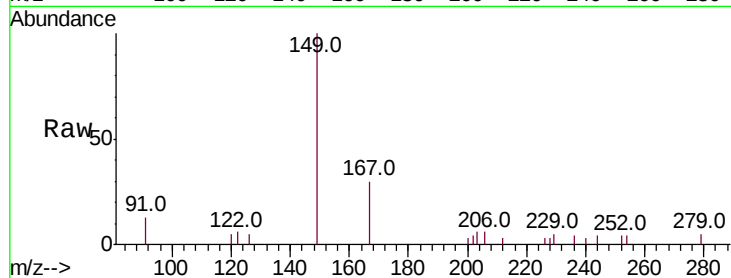
ClientSampleId :

PST-025-SW046-031319

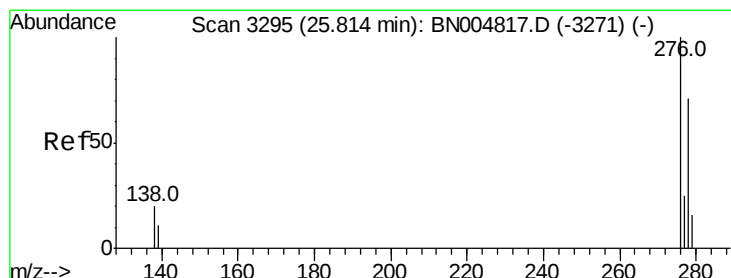
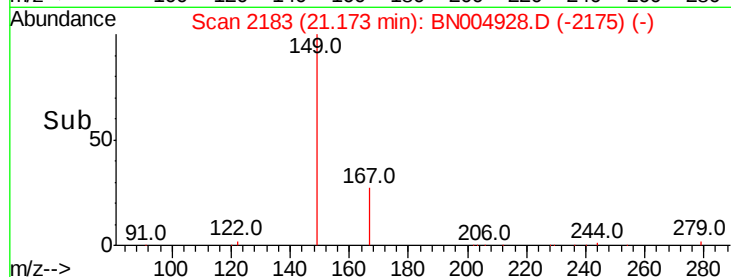
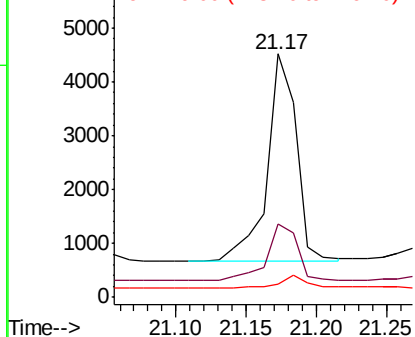
Tot Ion:	149	Resp:	5605
Ion Ratio	Lower	Upper	
149	100		
167	28.1	23.0	34.4
279	5.9	4.6	6.8

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 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: 0.091 ng

RT: 25.79 min Scan# 3289

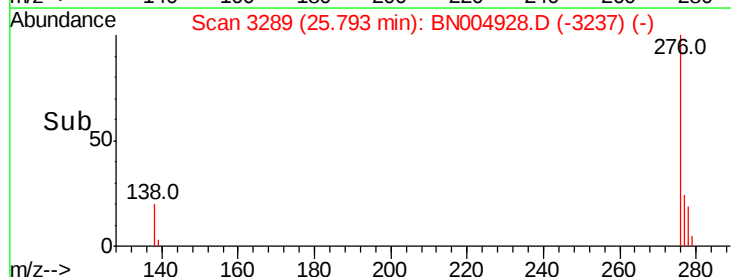
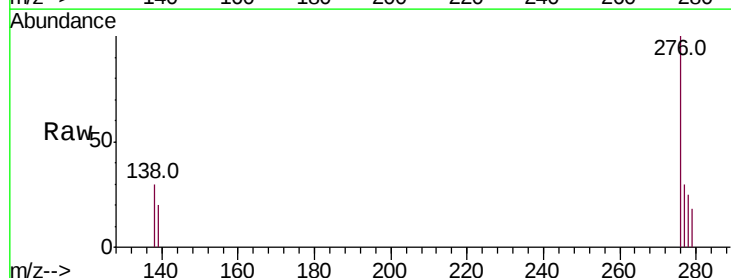
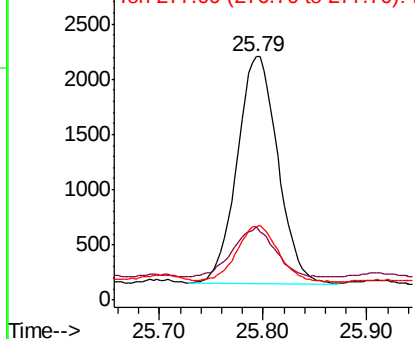
Delta R.T. -0.02 min

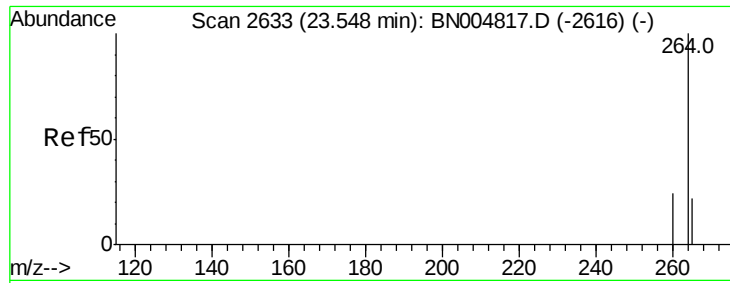
Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Tgt Ion:	276	Resp:	5584
Ion Ratio	Lower	Upper	
276	100		
138	23.0	16.6	24.8
277	25.0	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





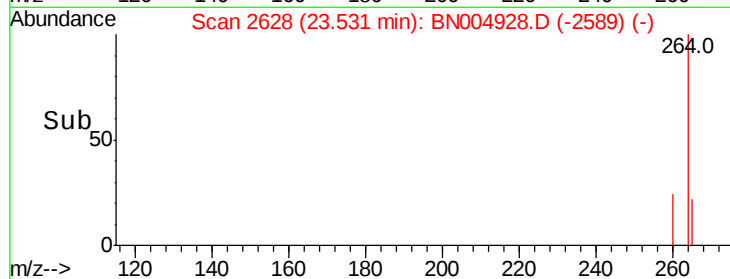
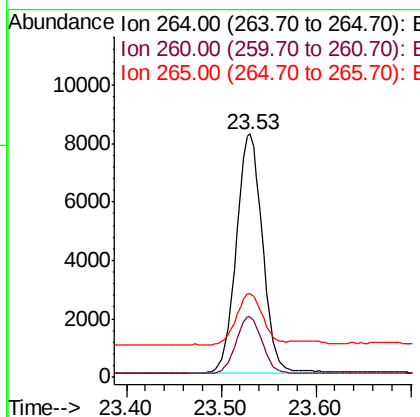
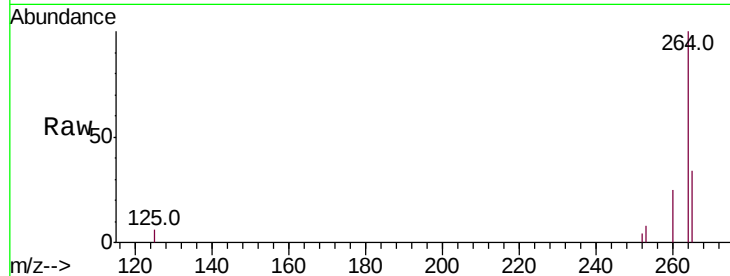
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	34.5	23.1	34.7

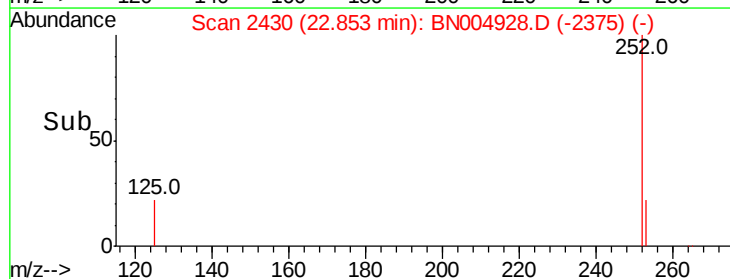
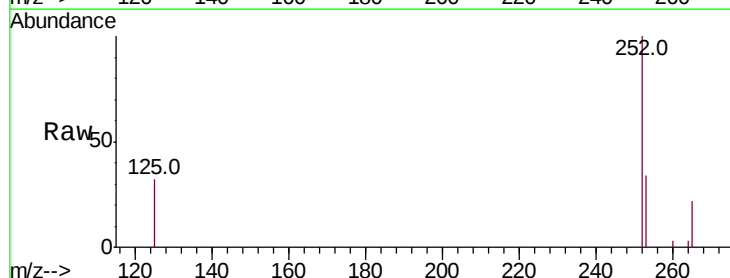
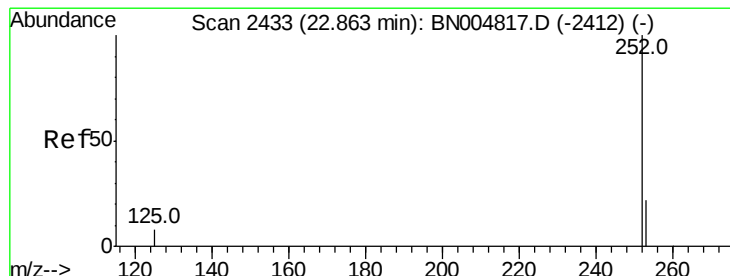
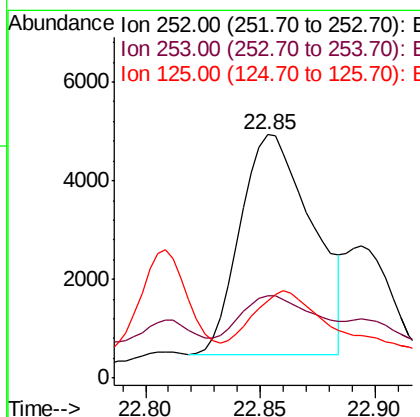
Manual Integrations
APPROVED

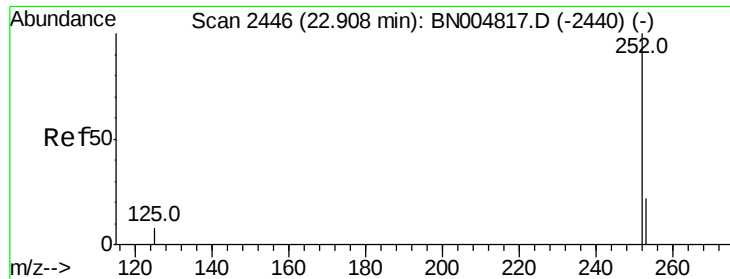
Sohil
3/25/2019 1:34:39 PM



#35
Benzo(b)fluoranthene
Concen: 0.172 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.7	19.0	28.4#
125	31.9	7.4	11.2#





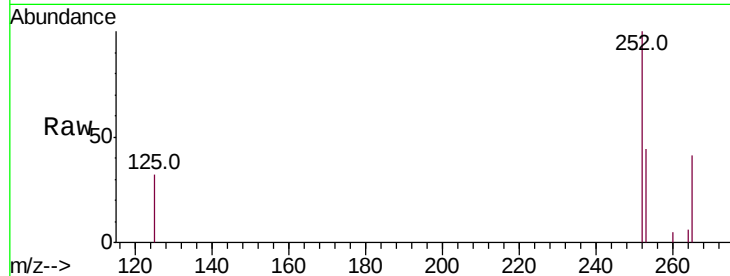
#36
Benzo(k)fluoranthene
Concen: 0.061 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

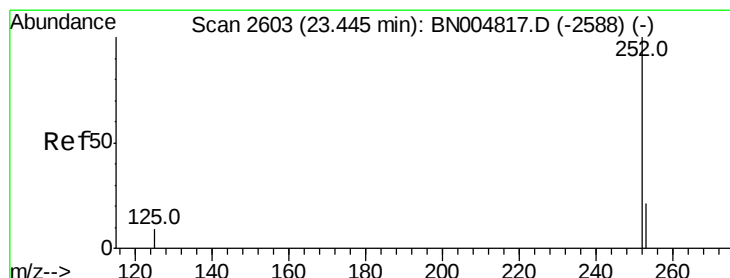
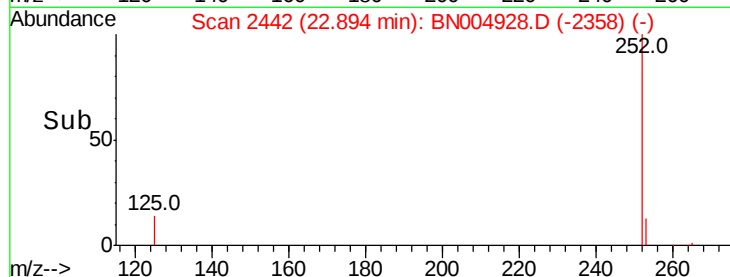
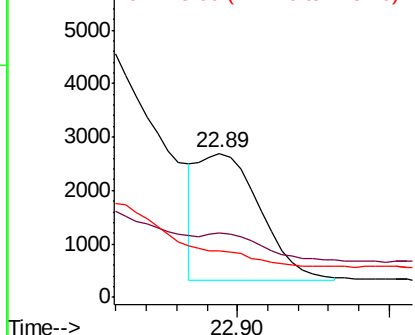
Tot Ion:252 Resp: 3373
Ion Ratio Lower Upper
252 100
253 44.4 19.3 28.9#
125 32.4 7.4 11.0#

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM



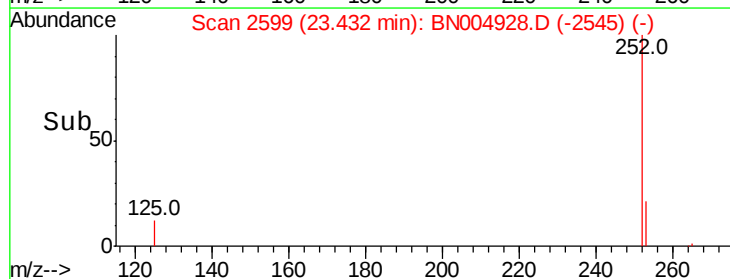
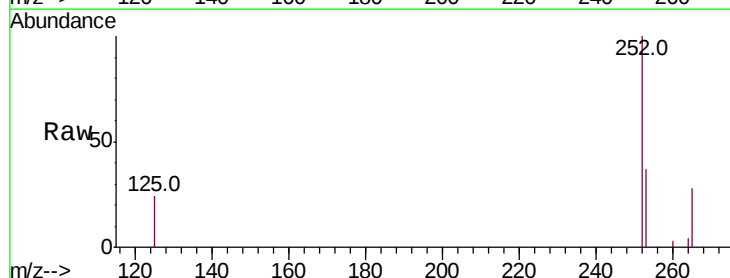
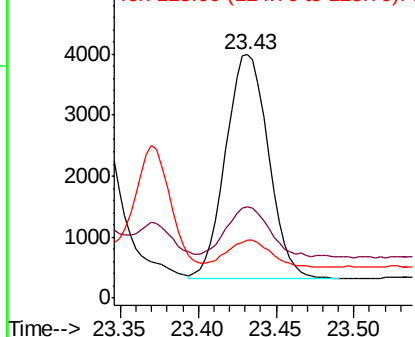
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

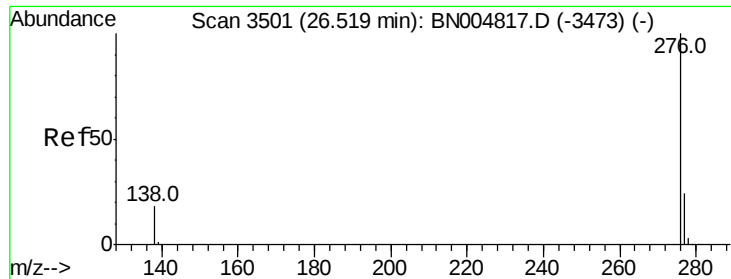


#37
Benzo(a)pyrene
Concen: 0.136 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion:252 Resp: 7030
Ion Ratio Lower Upper
252 100
253 37.3 19.7 29.5#
125 23.6 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: 0.097 ng

RT: 26.50 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.9	19.7	29.5#
138	27.3	14.6	22.0#

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:39 PM

