

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
 Data File : BN004927.D
 Acq On : 23 Mar 2019 19:05
 Operator : JU/SJ
 Sample : K2014-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW039-031919

Manual Integrations
 APPROVED

Sohil
 3/25/2019 1:34:37 PM

Quant Time: Mar 24 01:49:15 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	7.69	152	2351	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	9755	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	5275	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	12285	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16554	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18716	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	2590	0.41	ng	0.00
5) Phenol-d6	6.86	99	3232	0.41	ng	-0.02
8) Nitrobenzene-d5	8.84	82	2479	0.38	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	4879	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	1258	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	7129	0.33	ng	-0.01
25) Fluoranthene-d10	19.12	212	11256	0.27	ng	-0.01
29) Terphenyl-d14	19.72	244	9270	0.27	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.05	152	1988	0.073	ng	98
18) Fluorene	15.38	166	657	0.026	ng	# 88
22) Pentachlorophenol	16.75	266	58	0.032	ng	# 78
23) Phenanthrene	17.12	178	11157	0.281	ng	99
24) Anthracene	17.22	178	1552	0.044	ng	96
26) Fluoranthene	19.15	202	13807	0.271	ng	98
28) Pyrene	19.51	202	15800	0.313	ng	97
30) Benzo(a)anthracene	21.26	228	7418	0.137	ng	# 89
31) Chrysene	21.31	228	7250	0.127	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.17	149	2780	0.128	ng	98
33) Indeno(1,2,3-cd)pyrene	25.79	276	4711	0.057	ng	# 94
35) Benzo(b)fluoranthene	22.85	252	7420	0.110	ng	# 55
36) Benzo(k)fluoranthene	22.89	252	3192m	0.048	ng	
37) Benzo(a)pyrene	23.43	252	6581	0.106	ng	# 66
39) Benzo(a,h,i)perylene	26.49	276	5996	0.082	ng	# 79

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

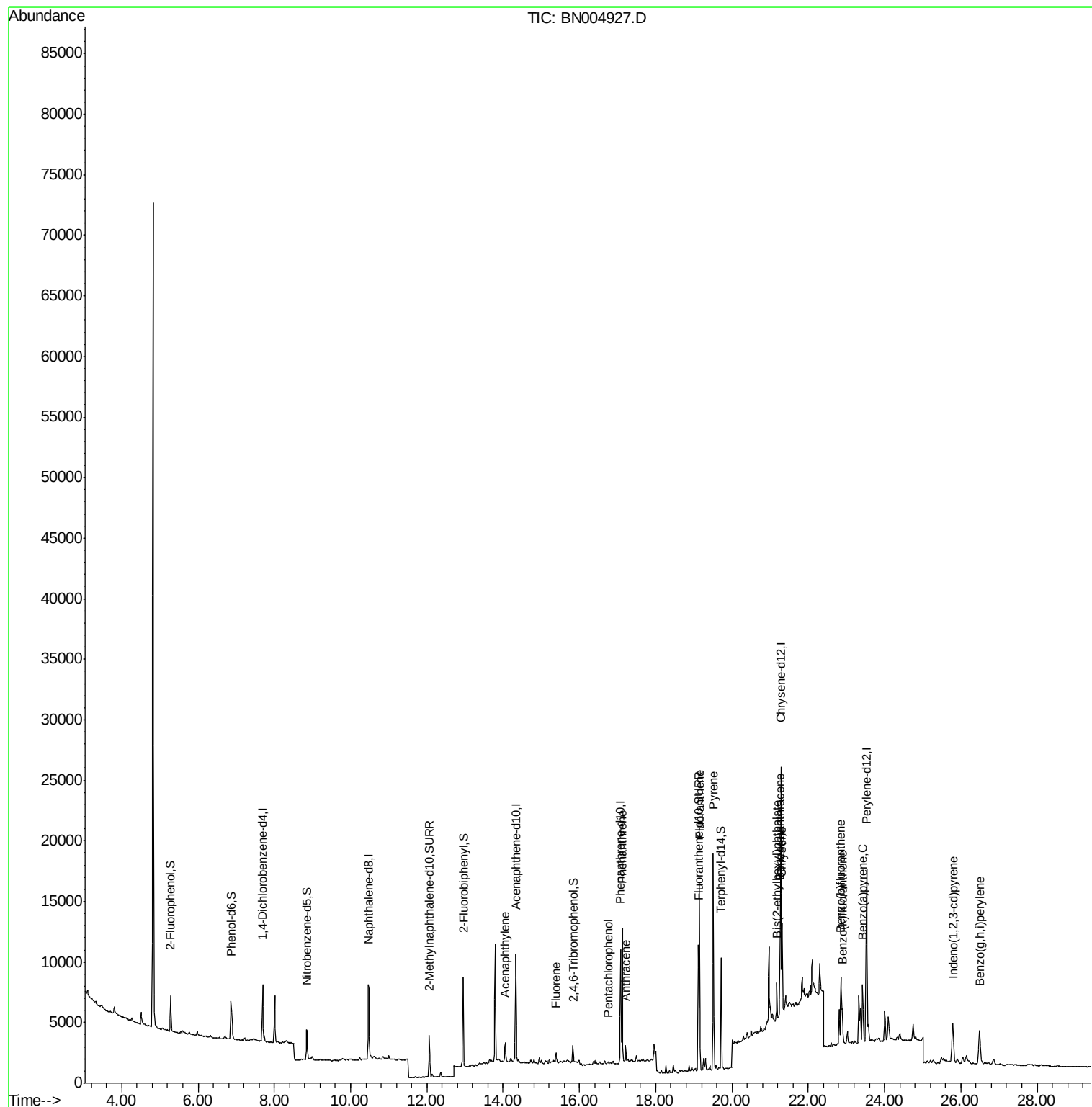
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
Data File : BN004927.D
Acq On : 23 Mar 2019 19:05
Operator : JU/SJ
Sample : K2014-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

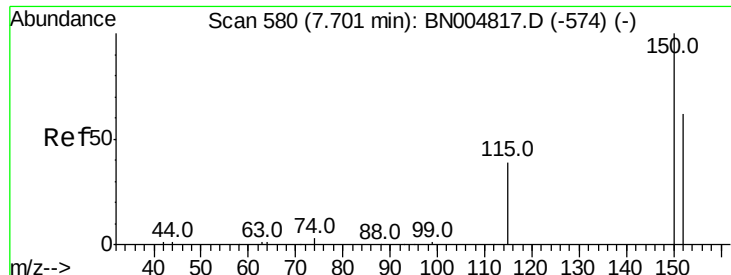
Instrument :
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PST-026-SW039-031919

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

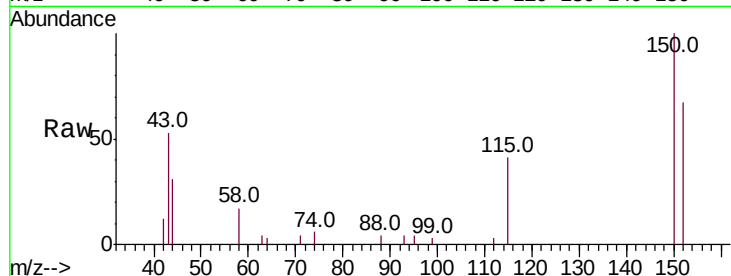
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	126.2	189.4
115	61.0	52.6	79.0

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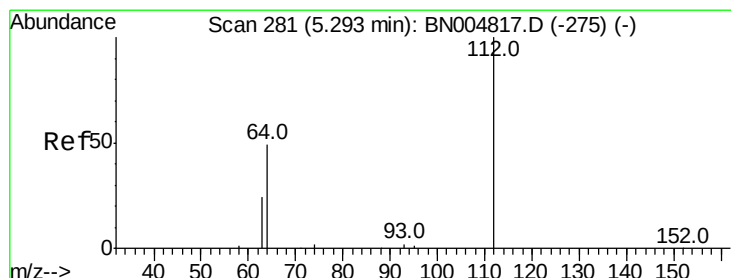
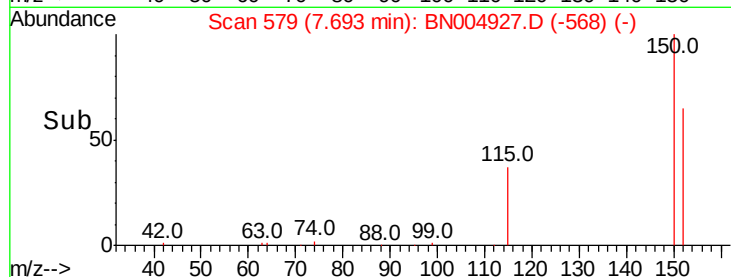
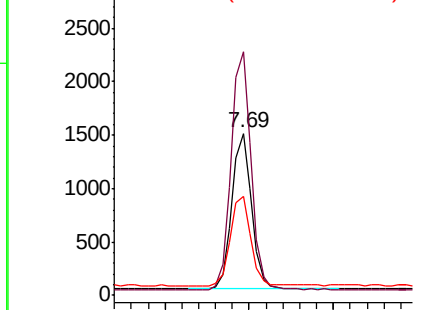


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

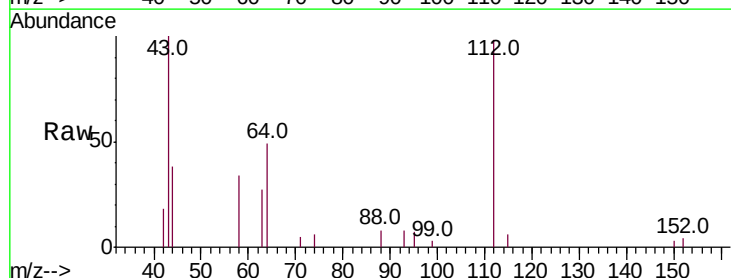
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.405 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	40.0	60.0
63	26.3	20.2	30.2

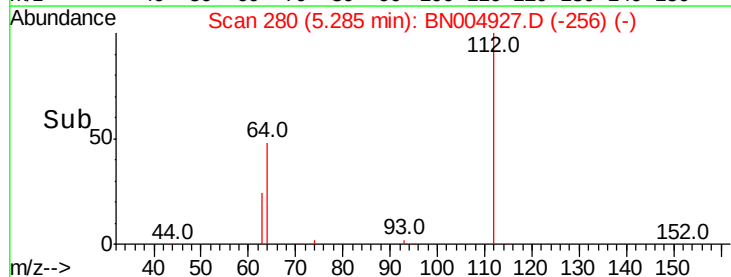
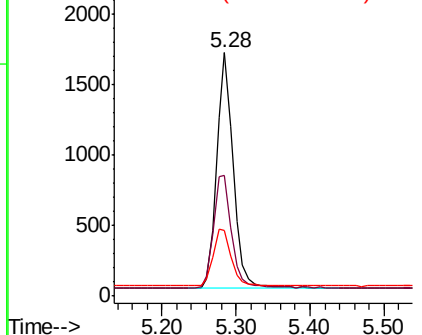


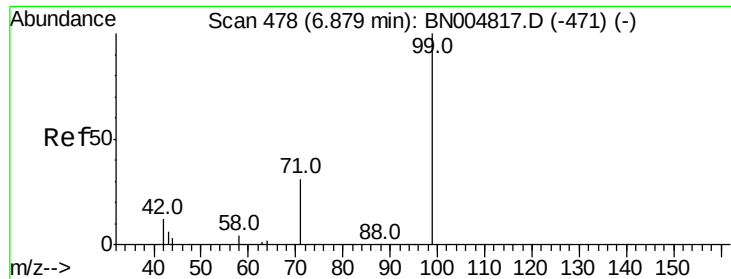
Abundance

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: 0.406 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

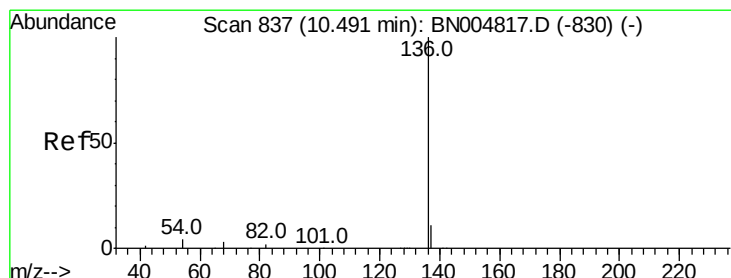
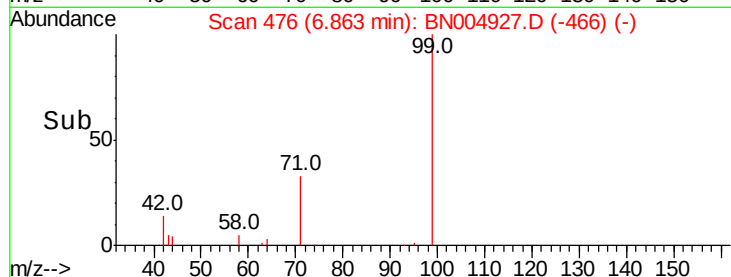
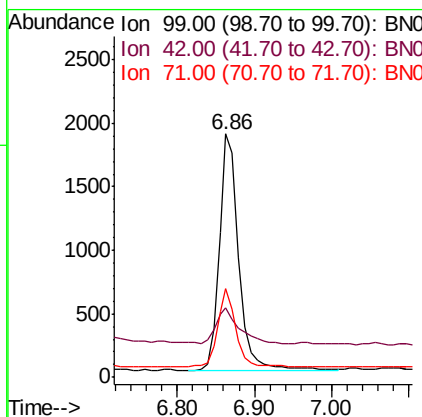
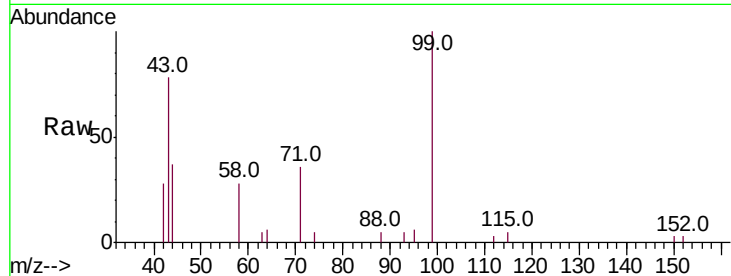
ClientSampleId :

PST-026-SW039-031919

Tot Ion:	99	Resp:	3232
Ion	Ratio	Lower	Upper
99	100		
42	18.4	12.7	19.1
71	32.0	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

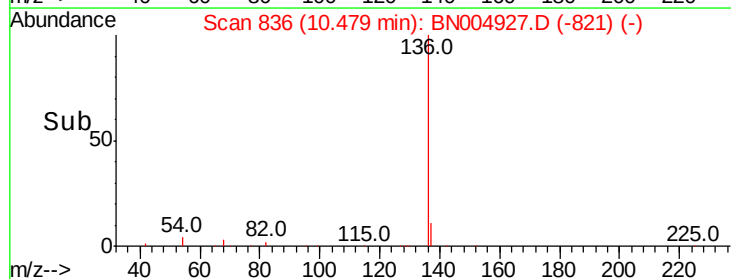
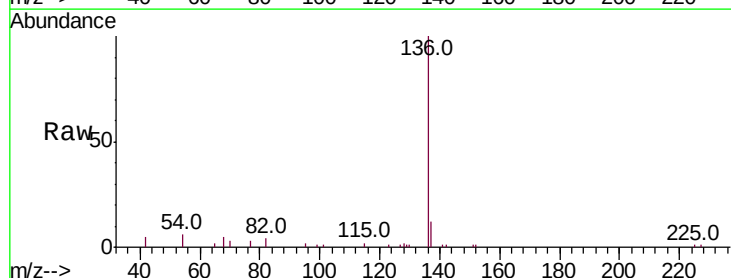
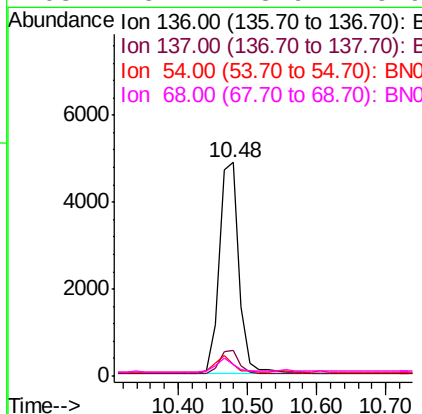
RT: 10.48 min Scan# 836

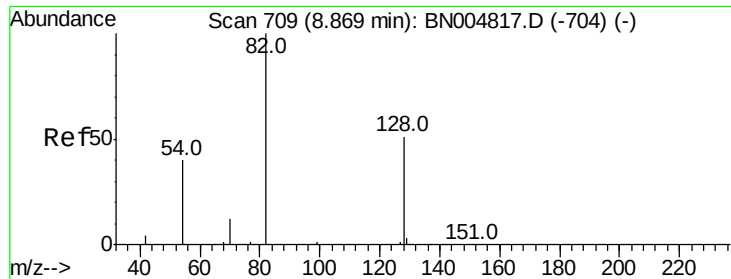
Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Tgt Ion:	136	Resp:	9755
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.6	14.4
54	5.5	4.2	6.2
68	5.4	3.9	5.9





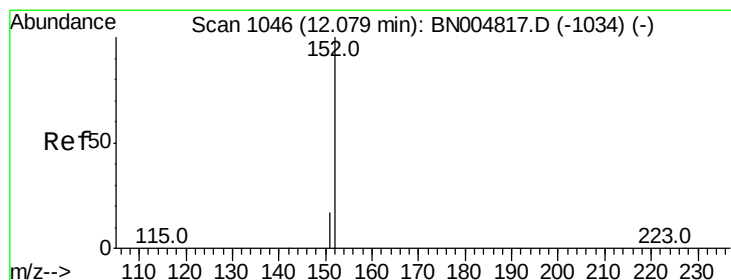
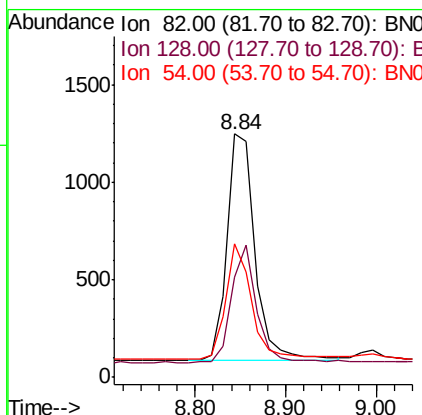
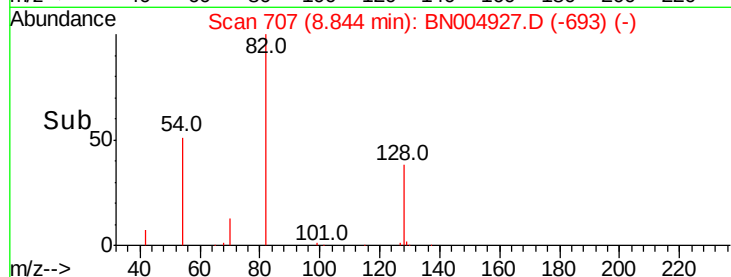
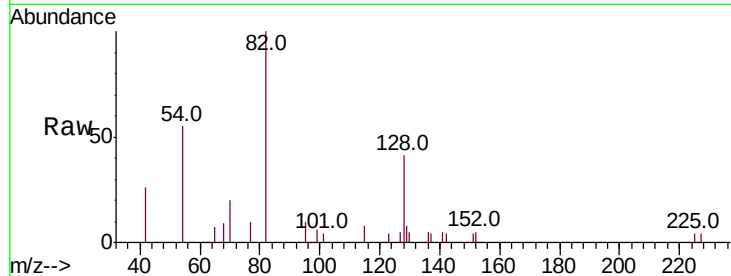
#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.84 min Scan# 707
Delta R.T. -0.03 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	43.0	64.6#
54	54.7	35.3	52.9#

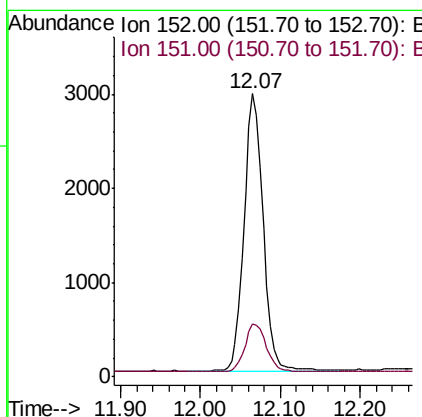
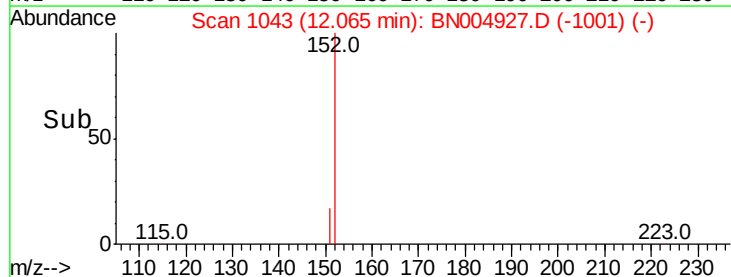
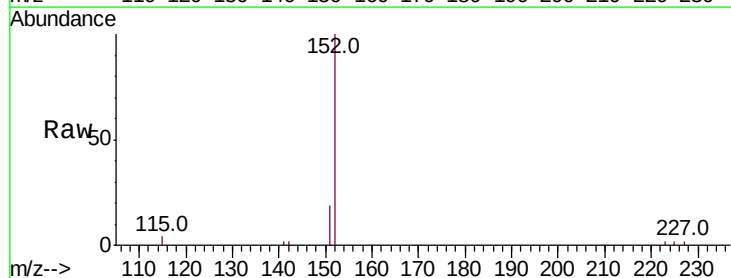
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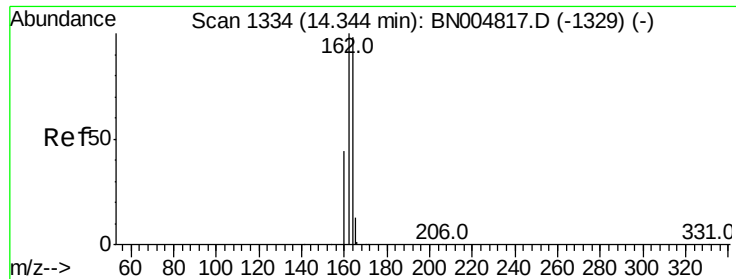
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#11
2-Methylnaphthalene-d10
Concen: 0.287 ng
RT: 12.07 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt 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: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

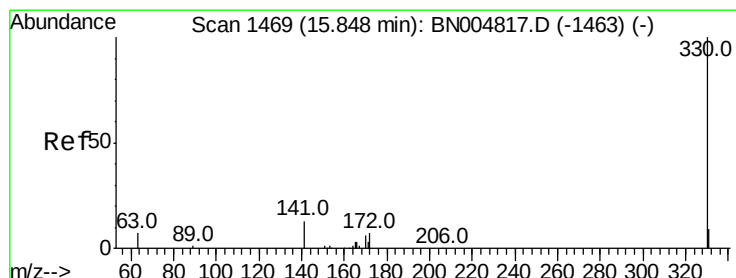
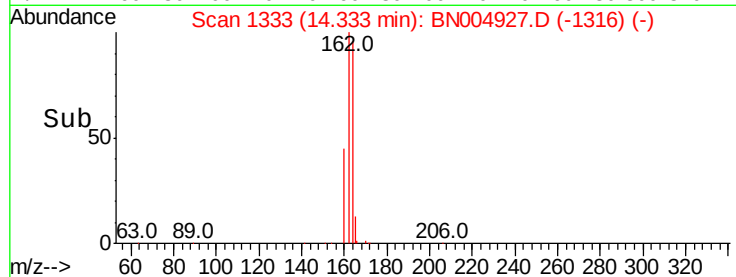
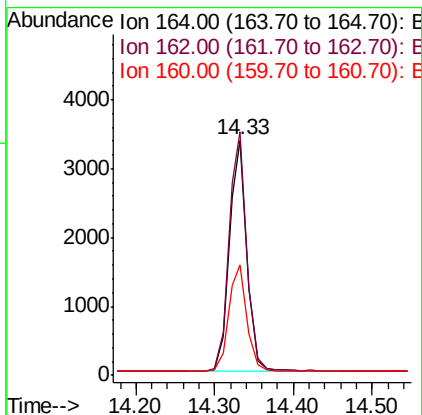
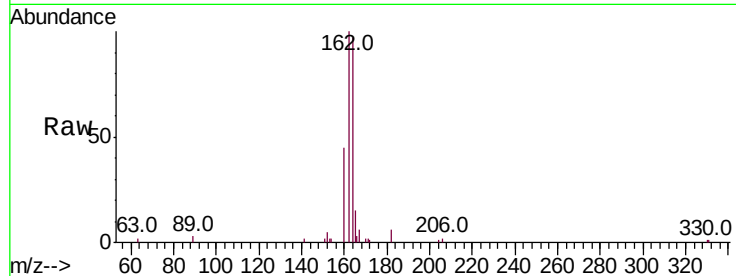
ClientSampleId :

PST-026-SW039-031919

Tot Ion:	164	Resp:	5275
Ion Ratio	Lower	Upper	
164	100		
162	103.5	81.9	122.9
160	47.0	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.345 ng

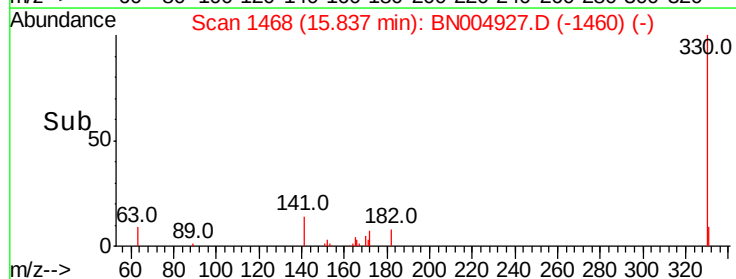
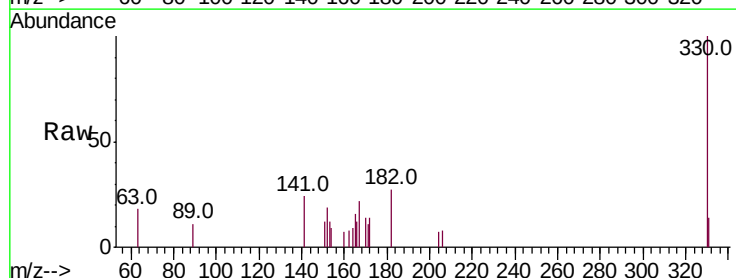
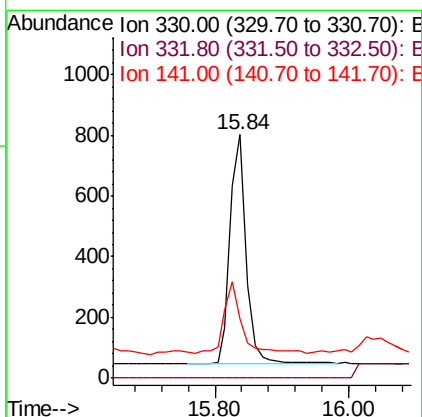
RT: 15.84 min Scan# 1468

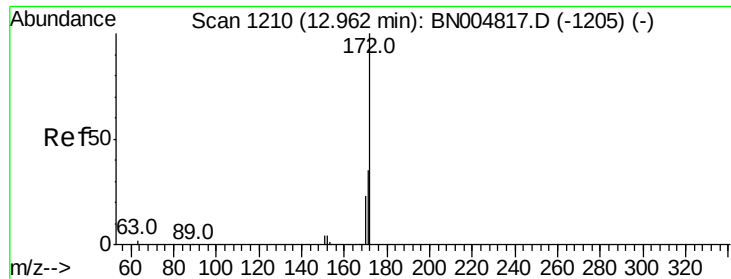
Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Tgt Ion:	330	Resp:	1258
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	32.8	20.9	31.3#





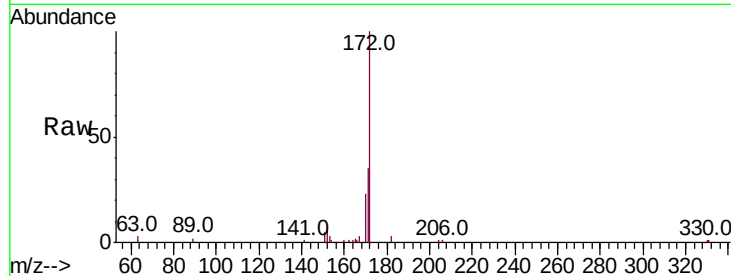
#15
2-Fluorobiphenyl
Concen: 0.327 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

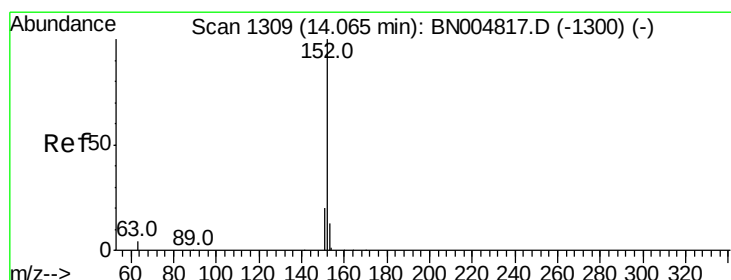
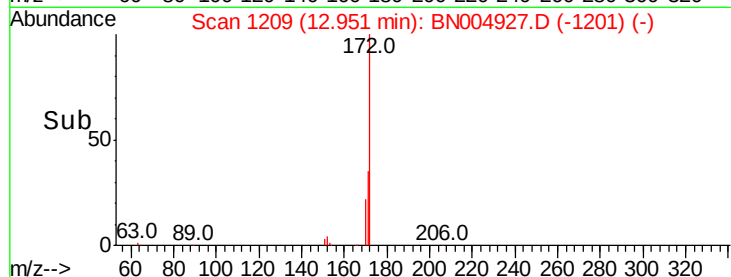
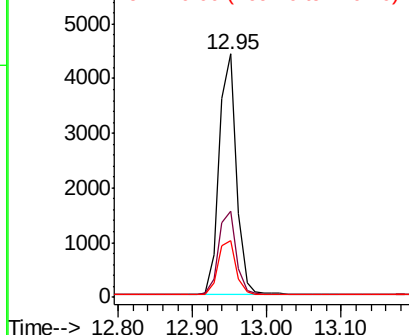
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.2	18.7	28.1

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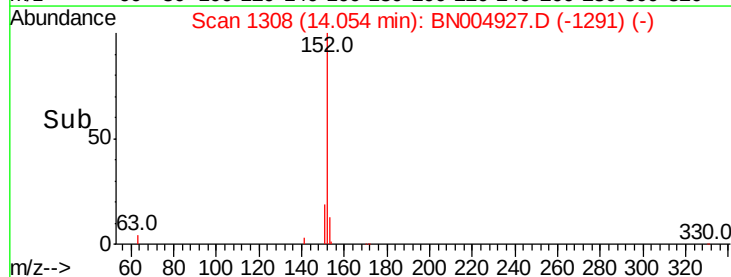
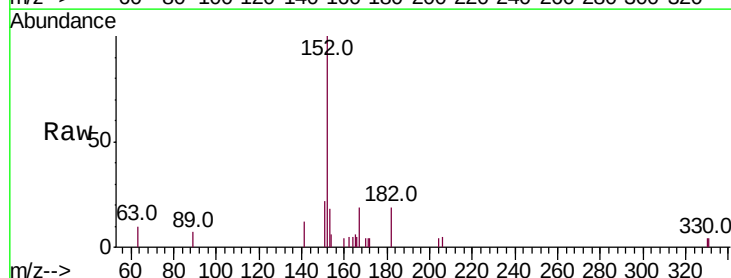
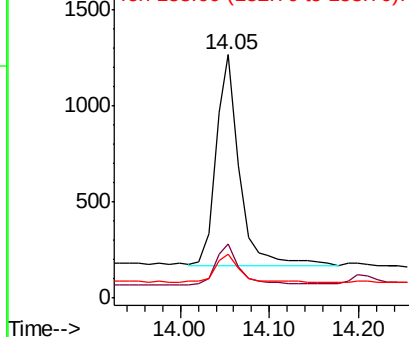
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

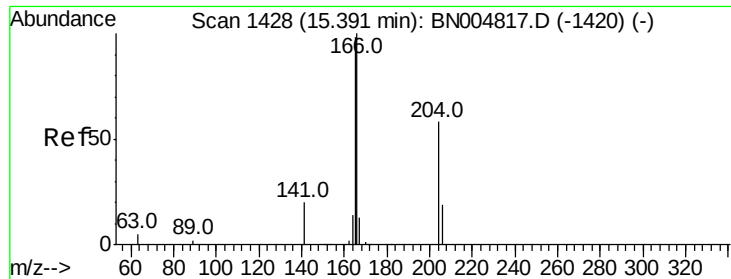


#16
Acenaphthylene
Concen: 0.073 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	15.5	10.5	15.7

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





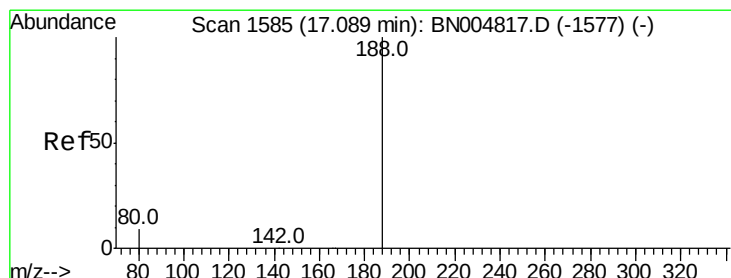
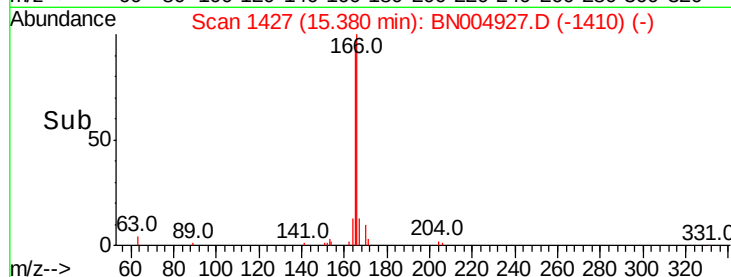
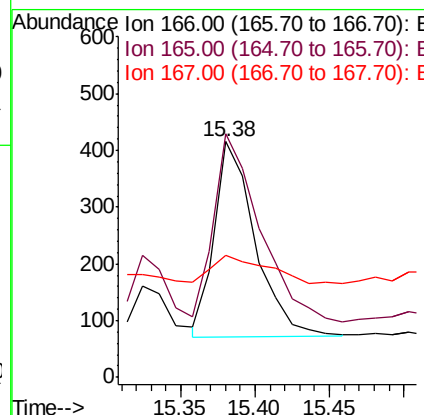
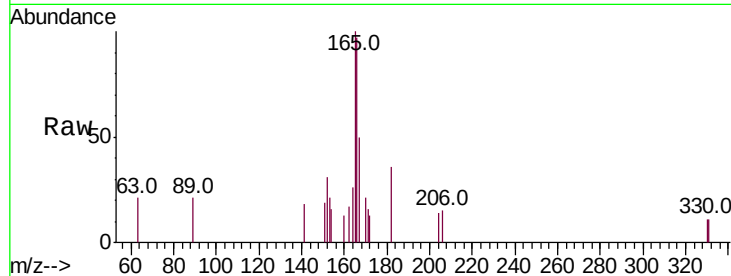
#18
Fluorene
Concen: 0.026 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
166	100		
165	109.3	78.2	117.4
167	19.8	11.0	16.4

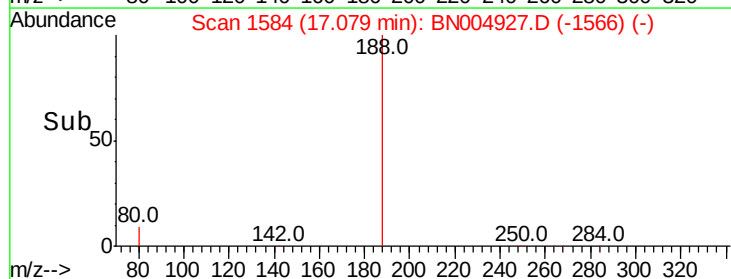
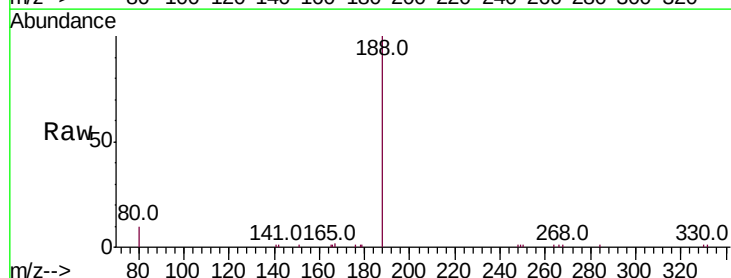
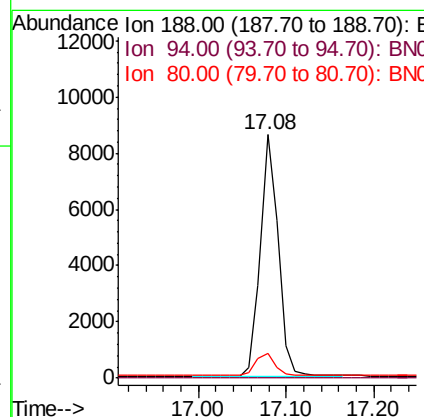
Manual Integrations
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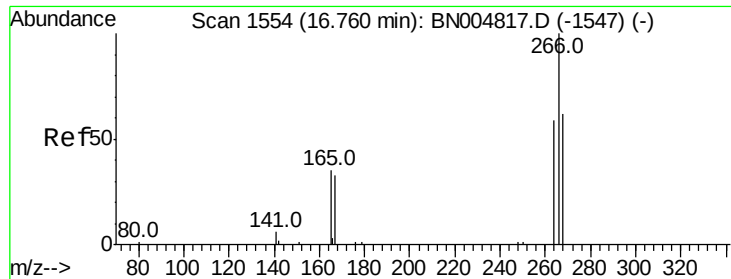
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	7.4	11.2





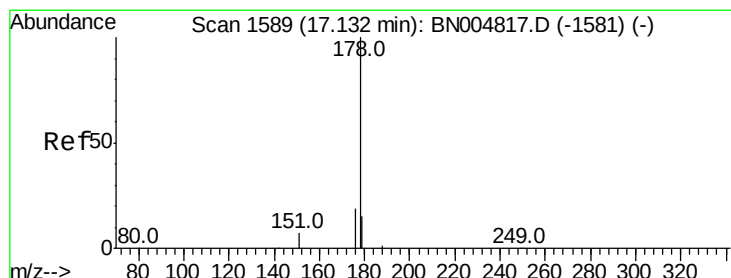
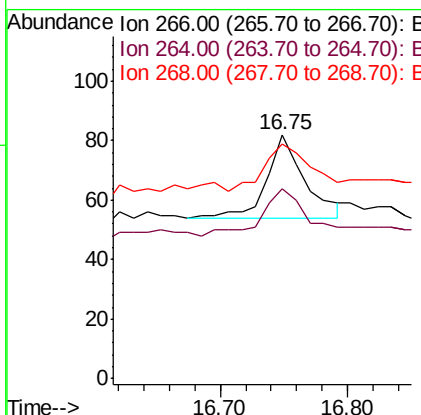
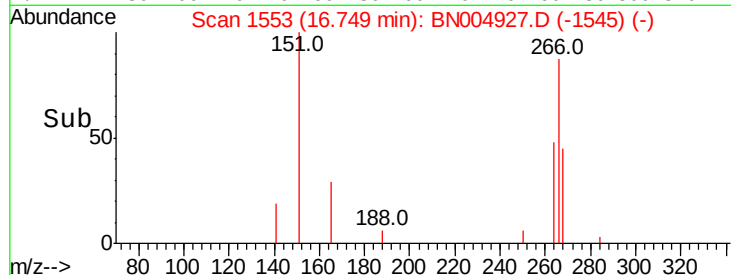
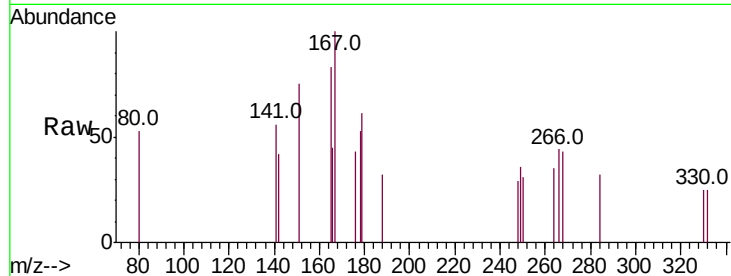
#22
 Pentachlorophenol
 Concen: 0.032 ng
 RT: 16.75 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW039-031919

Tot Ion:	266	Resp:	58
Ion Ratio	Lower	Upper	
266	100		
264	78.0	53.1	79.7
268	96.3	57.7	86.5#

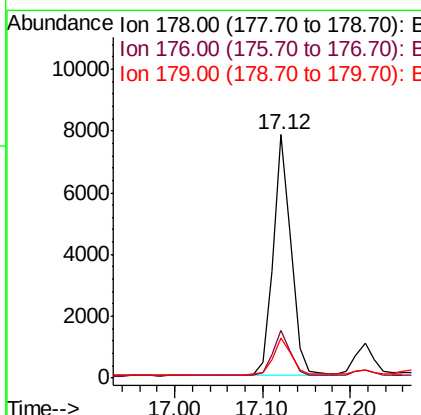
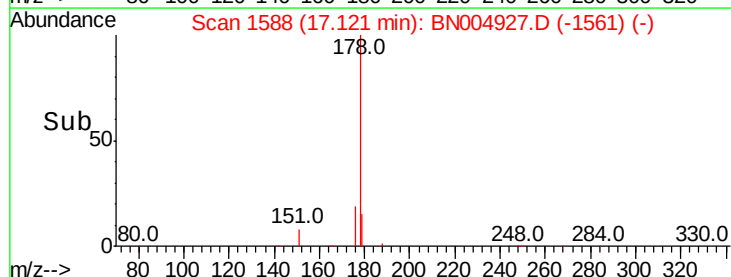
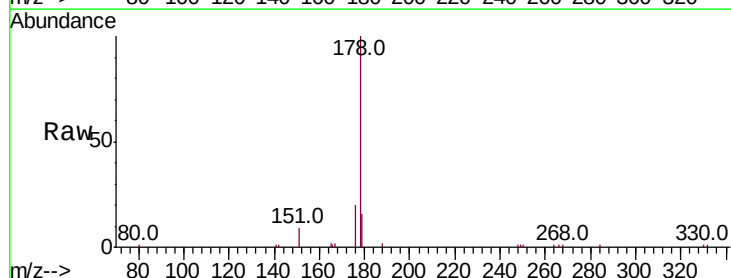
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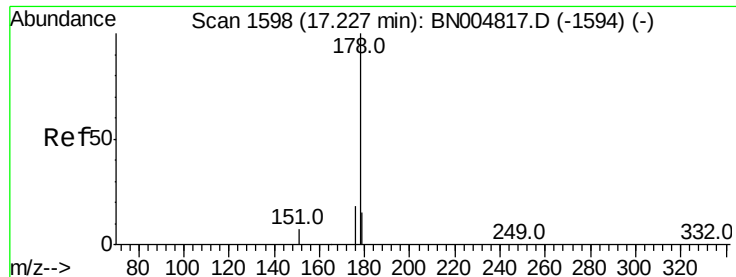
Sohil
 3/25/2019 1:34:37 PM



#23
 Phenanthrene
 Concen: 0.281 ng
 RT: 17.12 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

Tgt Ion:	178	Resp:	11157
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	15.9	12.1	18.1





#24

Anthracene

Concen: 0.044 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

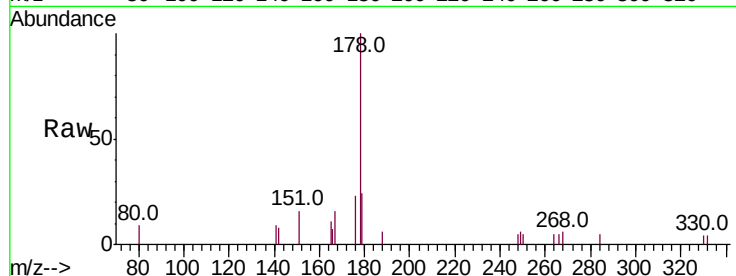
ClientSampleId :

PST-026-SW039-031919

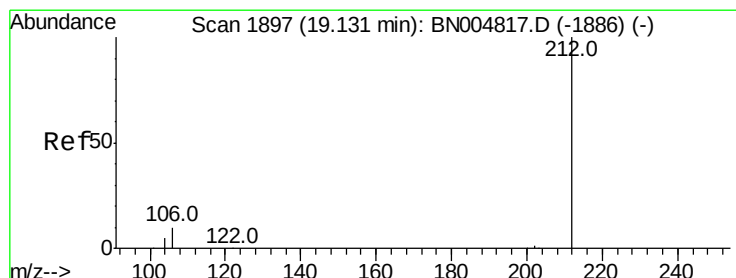
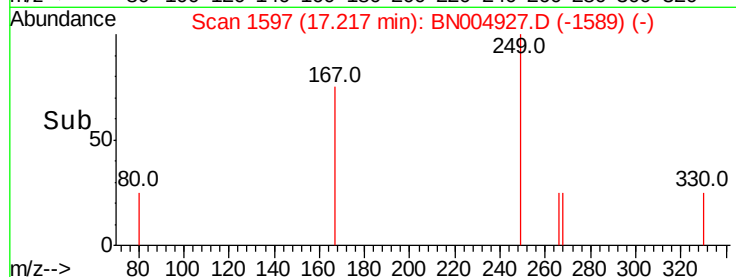
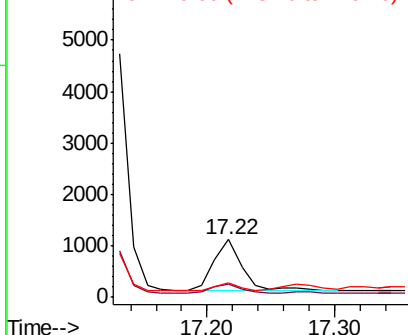
Tot Ion:	178	Resp:	1552
Ion Ratio	Lower	Upper	
178	100		
176	17.5	14.5	21.7
179	12.6	12.2	18.4

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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: 0.274 ng

RT: 19.12 min Scan# 1894

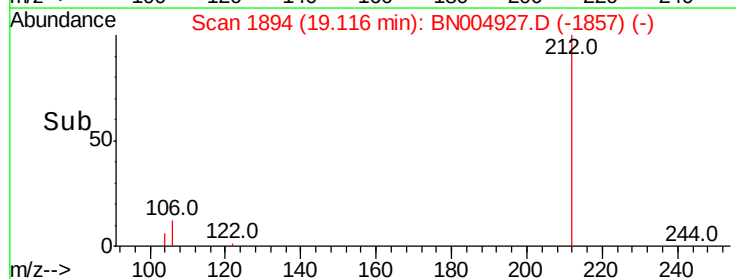
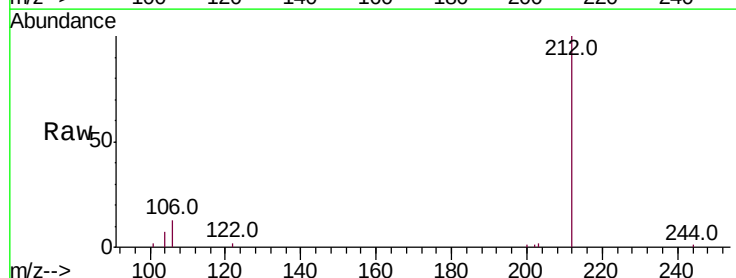
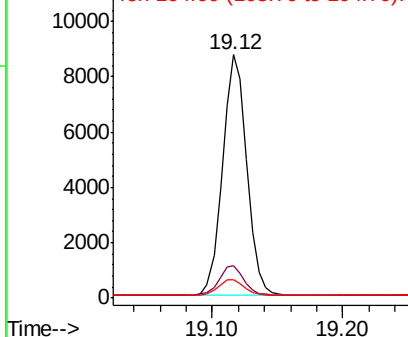
Delta R.T. -0.01 min

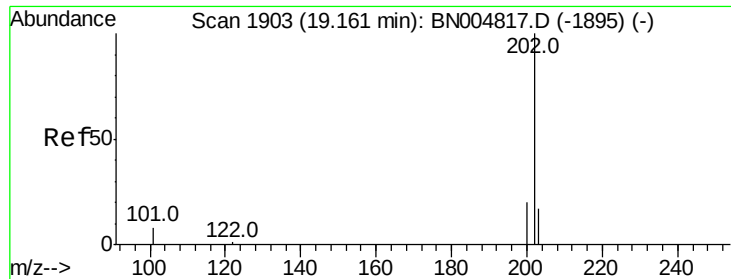
Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Tgt Ion:	212	Resp:	11256
Ion Ratio	Lower	Upper	
212	100		
106	12.4	8.6	13.0
104	6.8	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





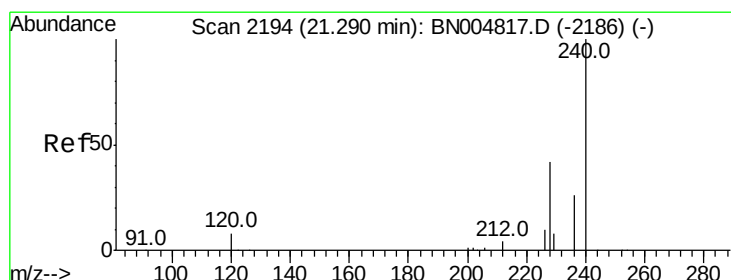
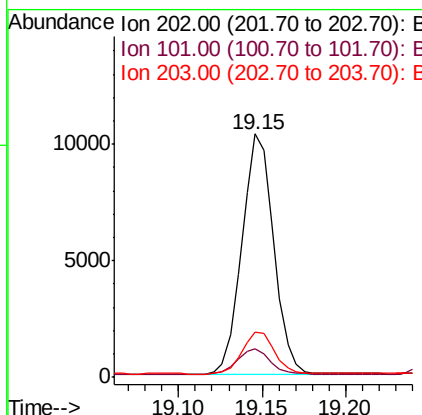
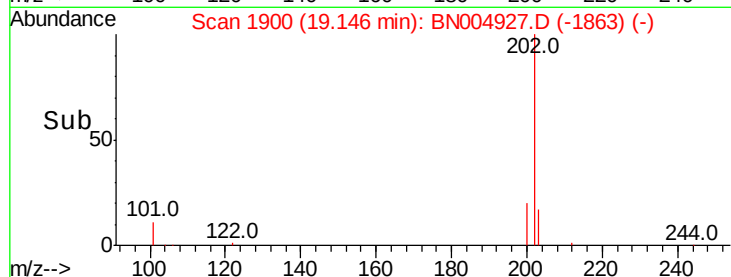
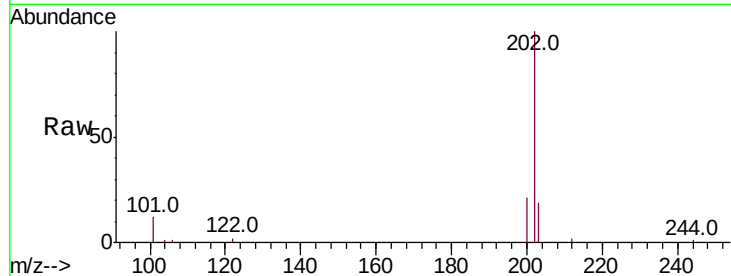
#26
Fluoranthene
 Concen: 0.271 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	7.5	11.3
203	17.6	13.8	20.6

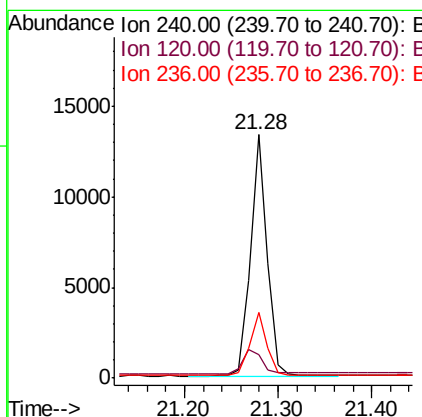
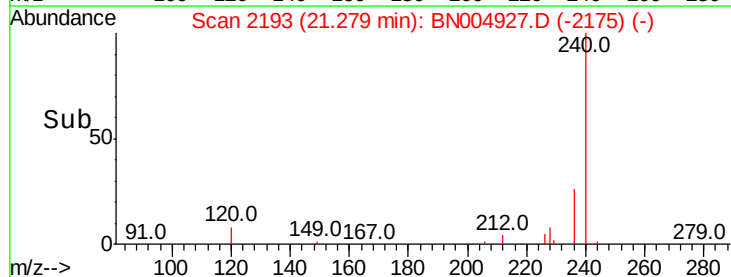
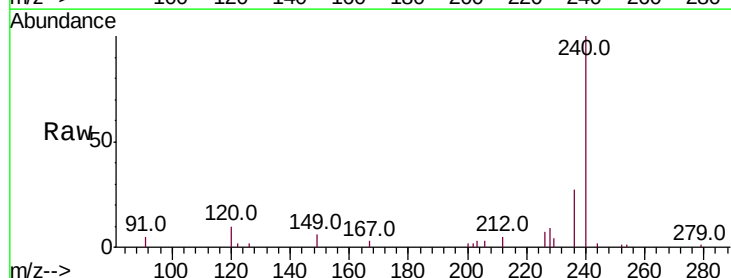
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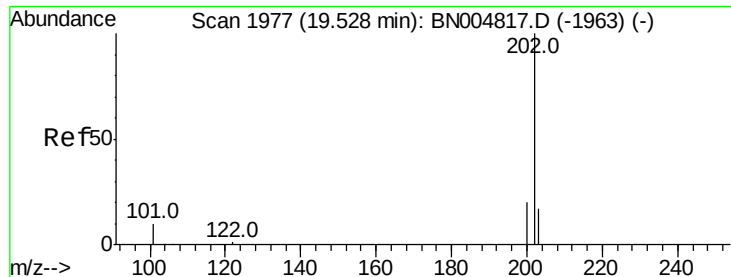
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.2	10.8
236	26.8	20.9	31.3





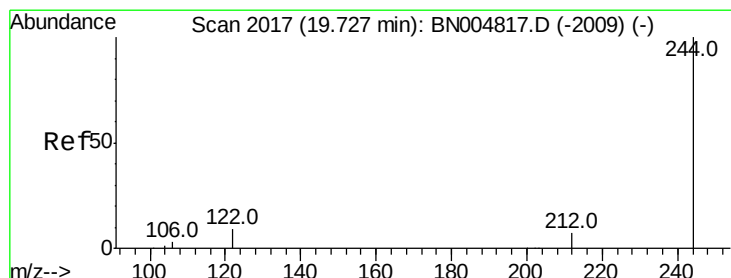
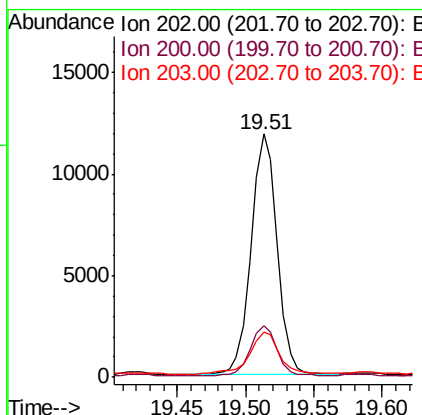
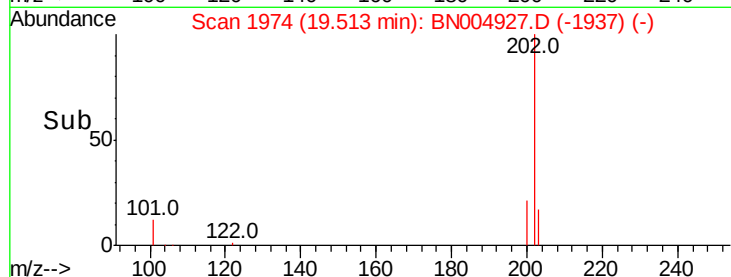
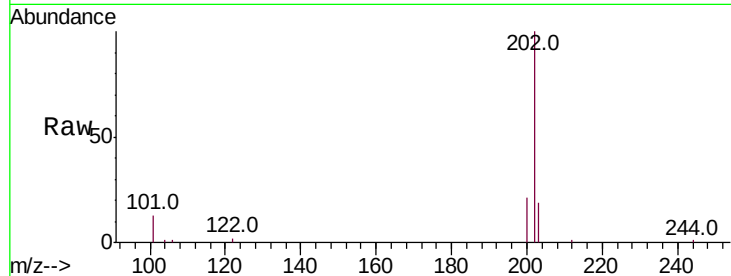
#28
Pvrene
Concen: 0.313 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	19.6	14.0	21.0

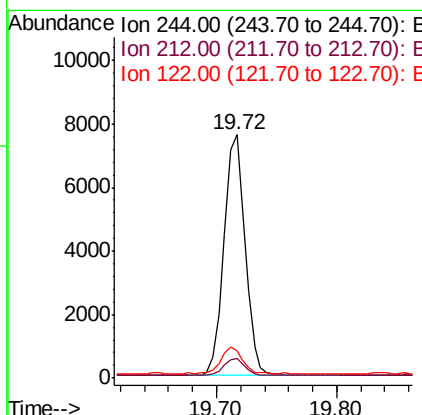
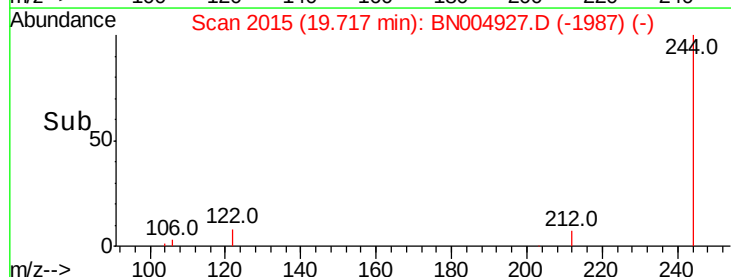
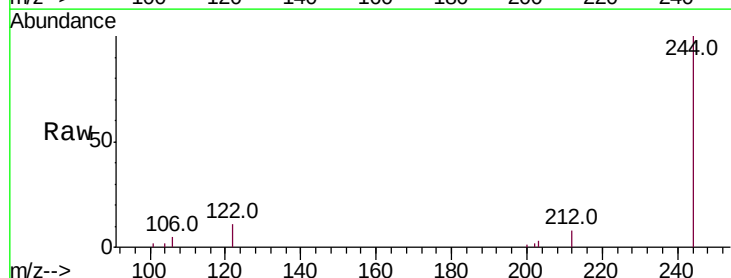
Manual Integrations
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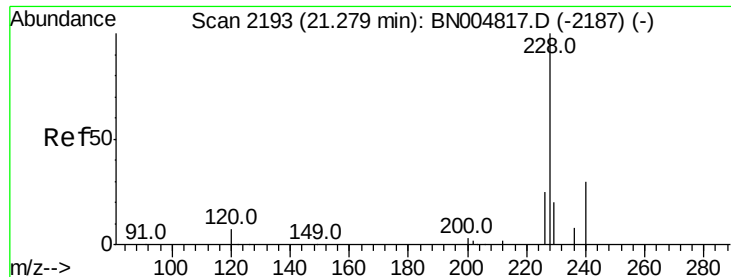
Sohil
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#29
Terphenyl-d14
Concen: 0.274 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.6
122	11.1	7.9	11.9





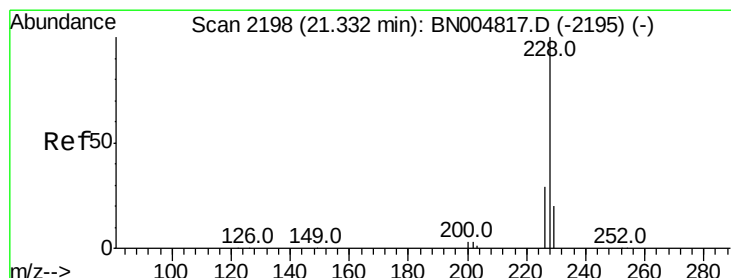
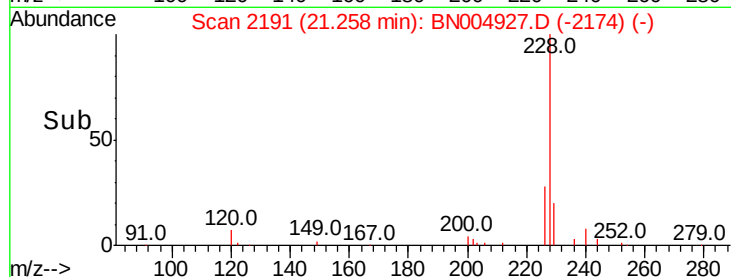
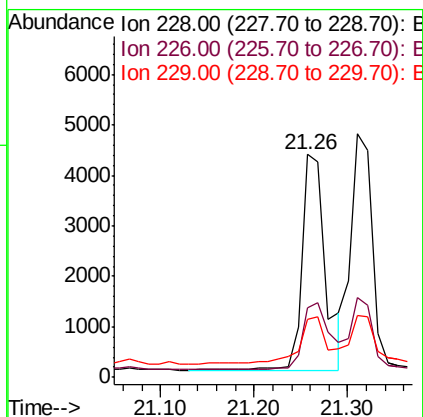
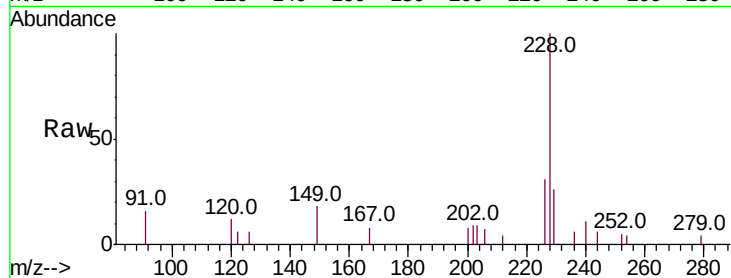
#30
Benzo(a)anthracene
Concen: 0.137 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	20.6	31.0
229	25.8	16.2	24.4

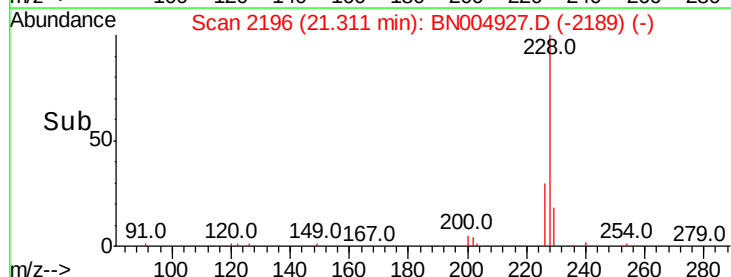
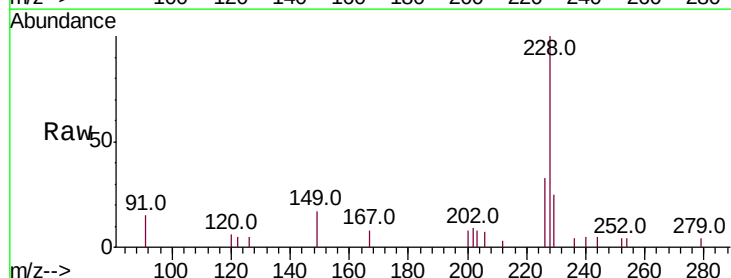
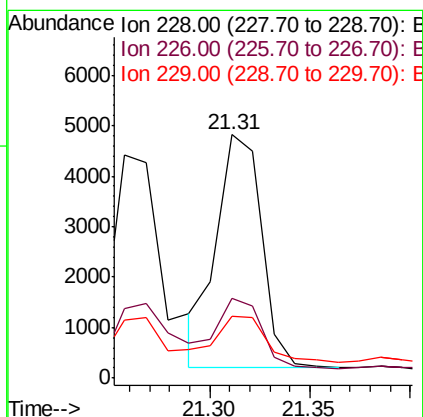
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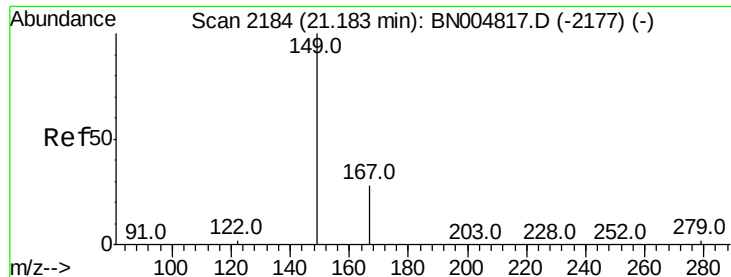
Sohil
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#31
Chrysene
Concen: 0.127 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	23.0	34.6
229	25.4	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.128 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

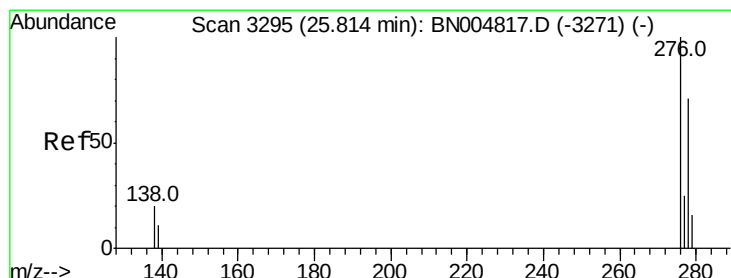
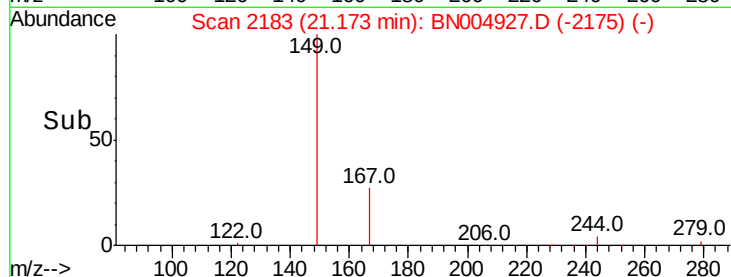
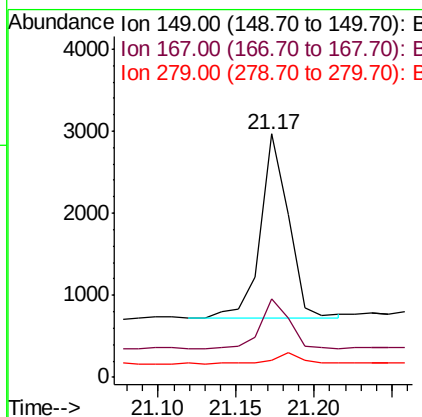
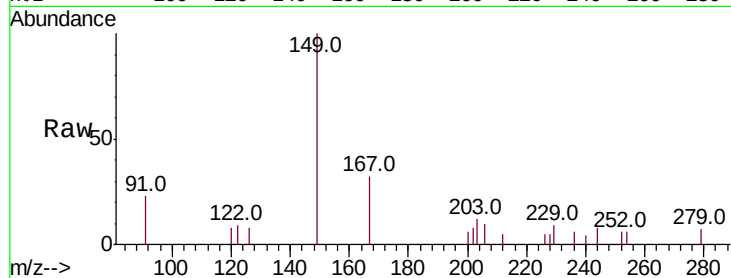
ClientSampleId :

PST-026-SW039-031919

Tot Ion:	149	Resp:	2780
Ion Ratio	Lower	Upper	
149	100		
167	27.8	23.0	34.4
279	6.7	4.6	6.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.057 ng

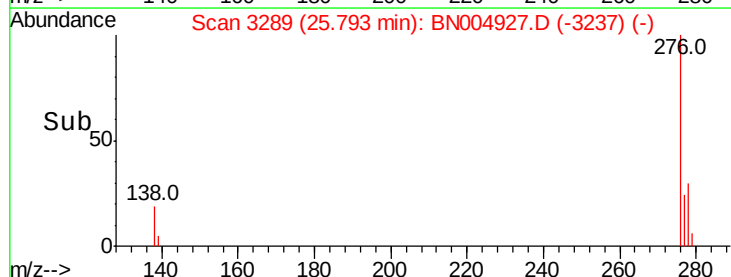
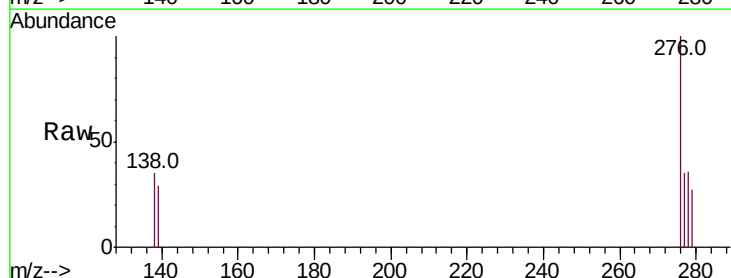
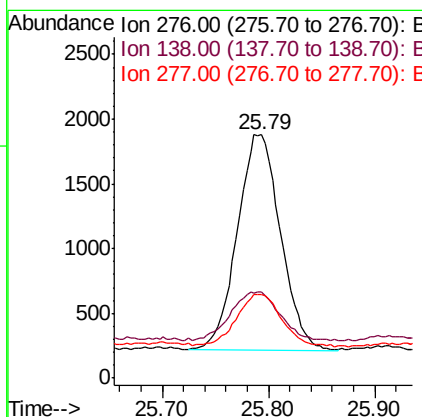
RT: 25.79 min Scan# 3289

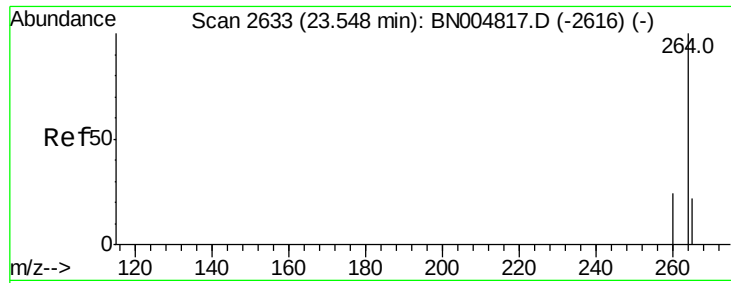
Delta R.T. -0.02 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Tgt Ion:	276	Resp:	4711
Ion Ratio	Lower	Upper	
276	100		
138	26.4	16.6	24.8#
277	25.2	20.3	30.5





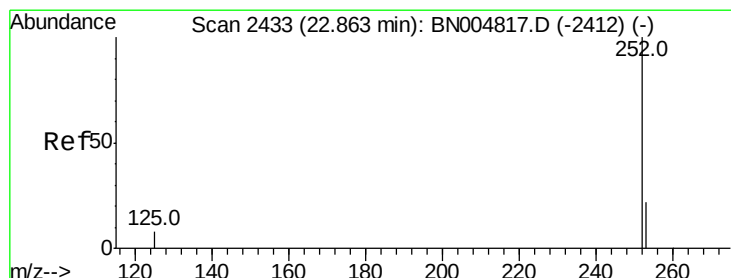
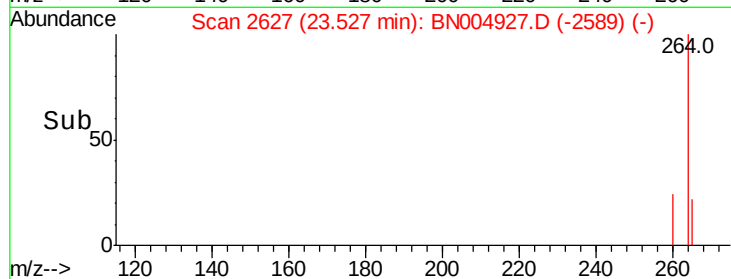
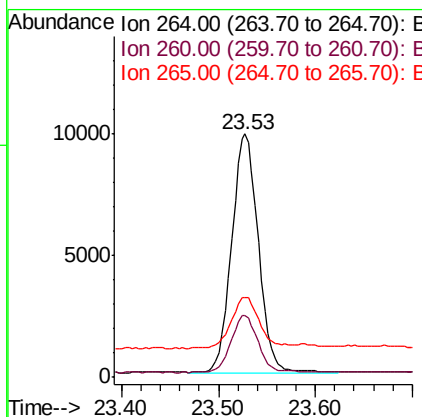
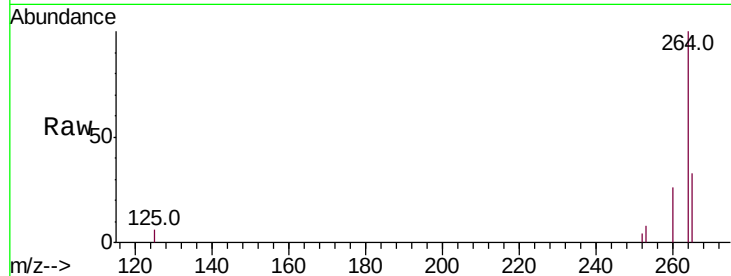
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	33.0	23.1	34.7

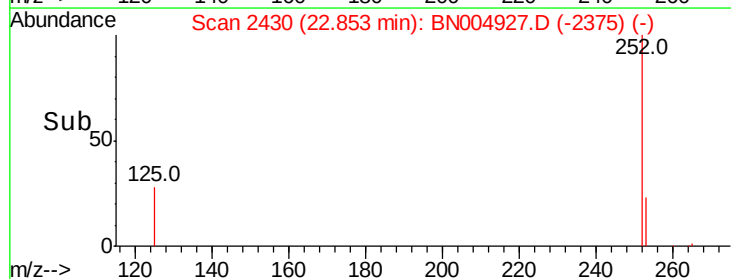
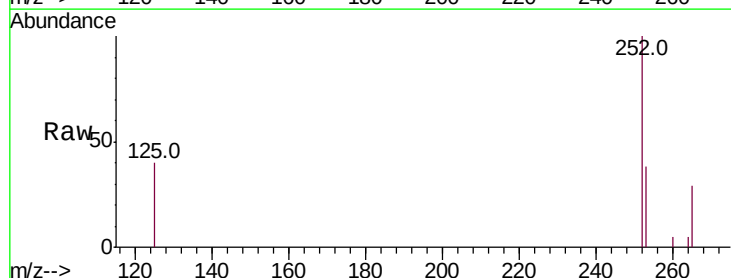
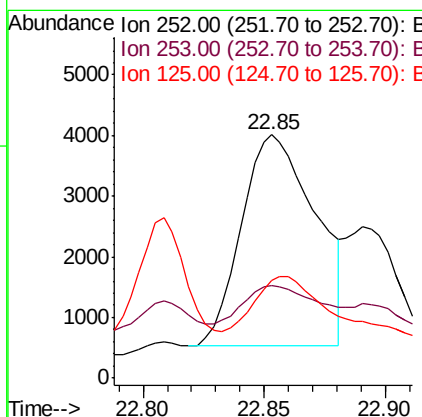
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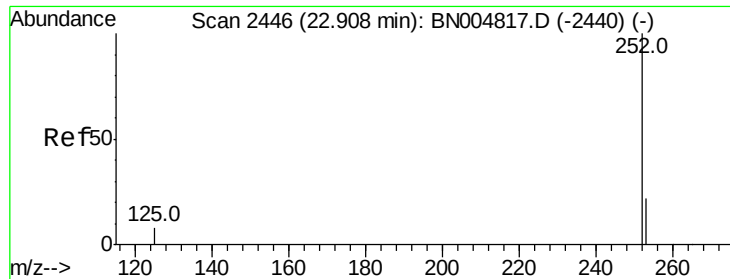
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.110 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.2	19.0	28.4#
125	40.3	7.4	11.2#





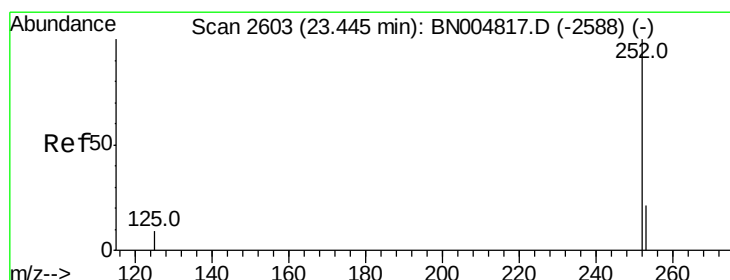
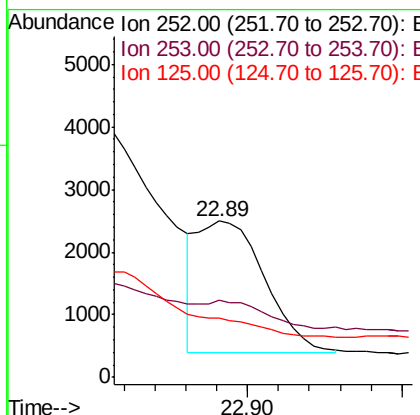
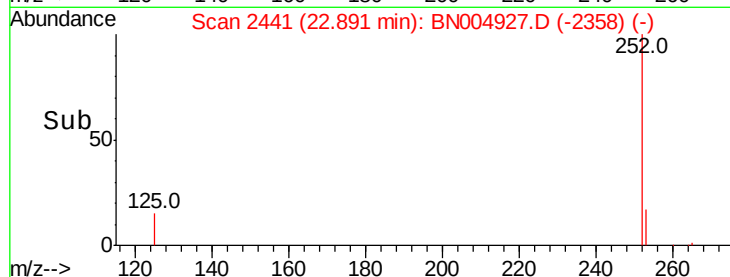
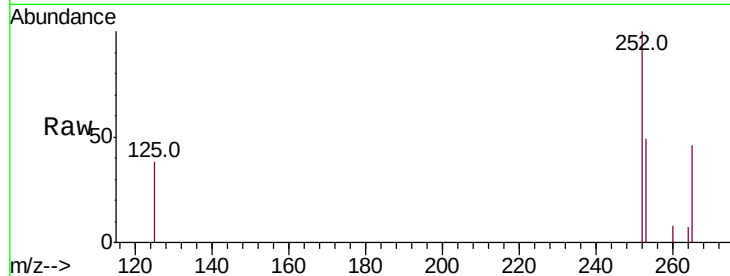
#36
Benzo(k)fluoranthene
Concen: 0.048 ng/mL
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	49.1	19.3	28.9#
125	37.9	7.4	11.0#

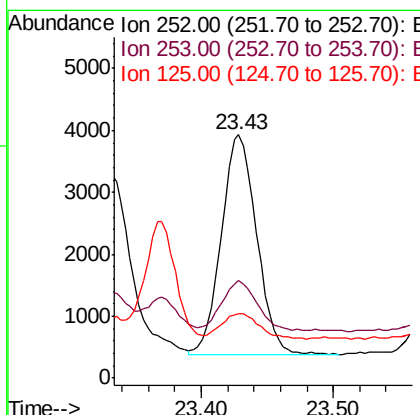
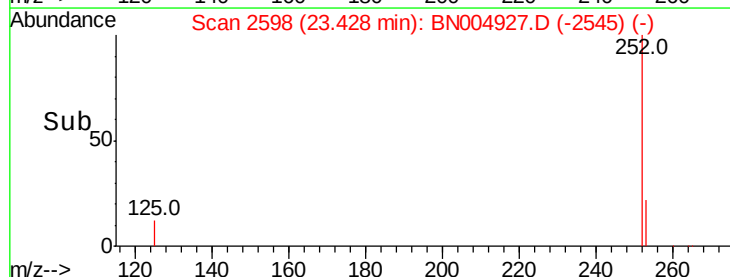
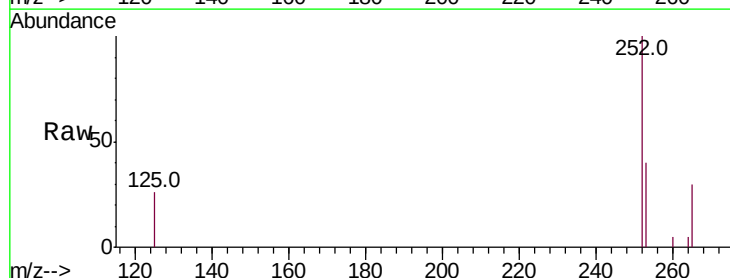
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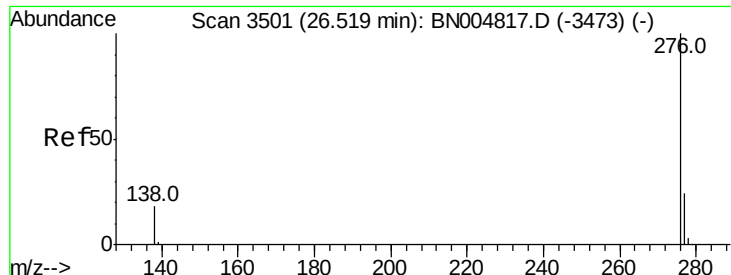
Sohil
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#37
Benzo(a)pyrene
Concen: 0.106 ng/mL
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.9	19.7	29.5#
125	26.3	8.3	12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.082 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

Tot Ion:	276	Resp:	5996
Ion Ratio	Lower	Upper	
276	100		
277	32.7	19.7	29.5#
138	30.8	14.6	22.0#

Manual Integrations
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Sohil
3/25/2019 1:34:37 PM

