

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004876.D
 Acq On : 22 Mar 2019 06:34
 Operator : JU/SJ
 Sample : K1817-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B007-1-030619

Manual Integrations
 APPROVED

Sohil
 3/22/2019 7:16:43 PM

Quant Time: Mar 22 07:57:31 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	2079	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	9539	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6066	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	15618	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20718	0.40	ng	0.00
34) Perylene-d12	23.54	264	22813	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	1791	0.32	ng	0.00
5) Phenol-d6	6.87	99	2411	0.34	ng	0.00
8) Nitrobenzene-d5	8.87	82	1703	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4301	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1040	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6464	0.26	ng	0.00
25) Fluoranthene-d10	19.13	212	11333	0.22	ng	0.00
29) Terphenyl-d14	19.72	244	8447	0.20	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.53	128	1820	0.068	ng	# 92
12) 2-Methylnaphthalene	12.15	142	1178	0.059	ng	98
16) Acenaphthylene	14.07	152	1700	0.054	ng	# 95
17) Acenaphthene	14.40	154	3937	0.192	ng	100
18) Fluorene	15.39	166	4757	0.167	ng	# 96
23) Phenanthrene	17.13	178	80203	1.590	ng	99
24) Anthracene	17.23	178	15878	0.353	ng	# 90
26) Fluoranthene	19.16	202	95954	1.481	ng	100
28) Pyrene	19.52	202	81268	1.286	ng	# 94
30) Benzo(a)anthracene	21.27	228	53961	0.794	ng	98
31) Chrysene	21.32	228	42257	0.590	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	1401	0.052	ng	97
33) Indeno(1,2,3-cd)pyrene	25.81	276	20408	0.197	ng	98
35) Benzo(b)fluoranthene	22.87	252	52163	0.632	ng	97
36) Benzo(k)fluoranthene	22.90	252	19269m	0.237	ng	
37) Benzo(a)pyrene	23.44	252	38575	0.510	ng	100
38) Dibenzo(a,h)anthracene	25.81	278	6593	0.075	ng	# 80
39) Benzo(a,h,i)perylene	26.51	276	17692	0.198	ng	97

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

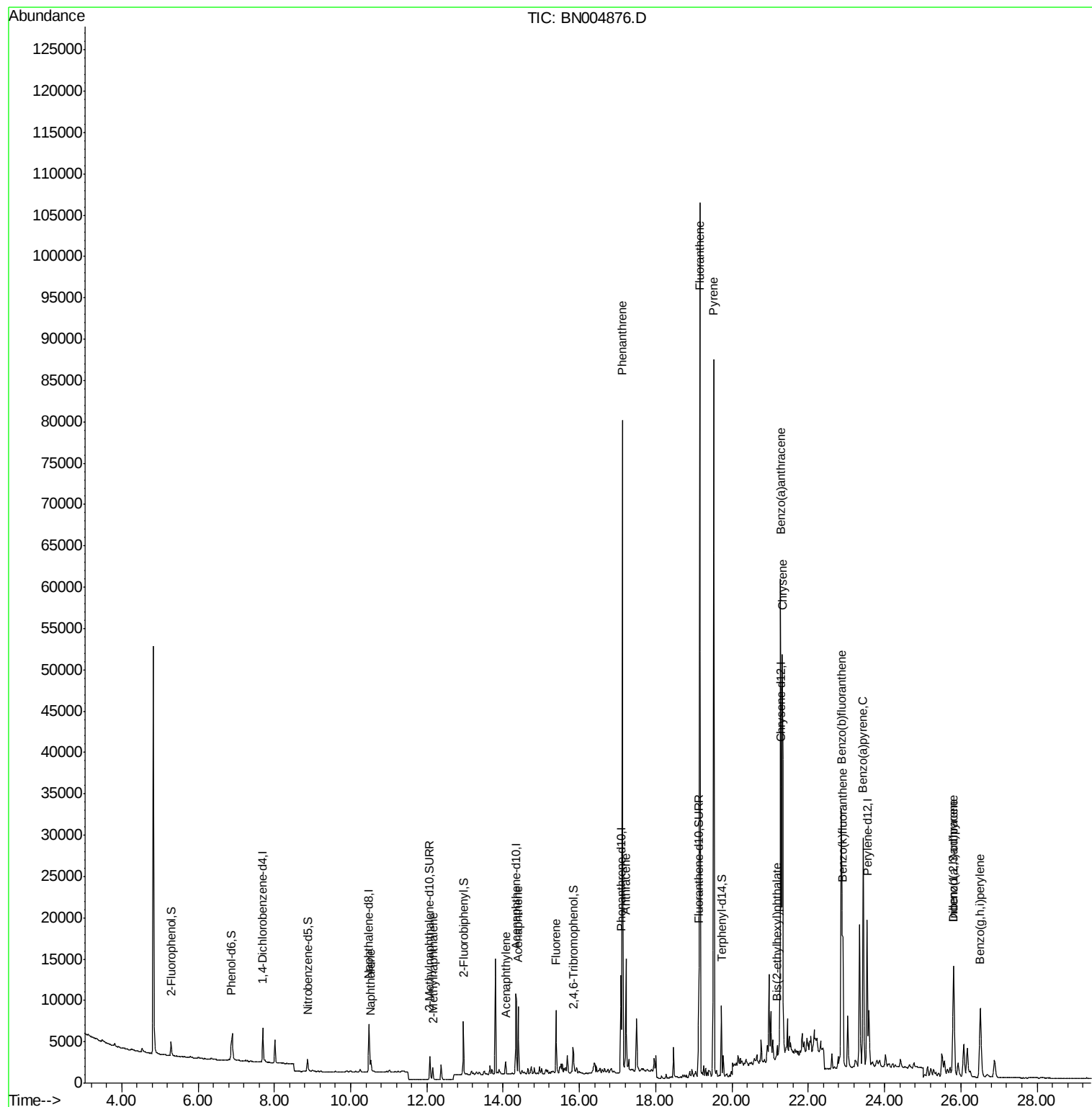
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004876.D
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#1

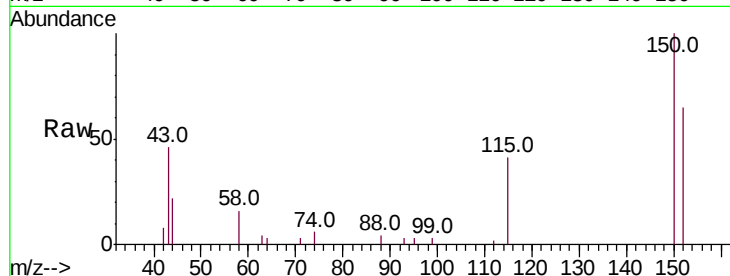
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.2	189.4
115	62.0	52.6	79.0

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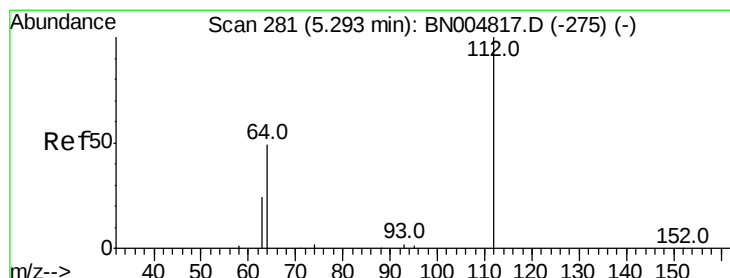
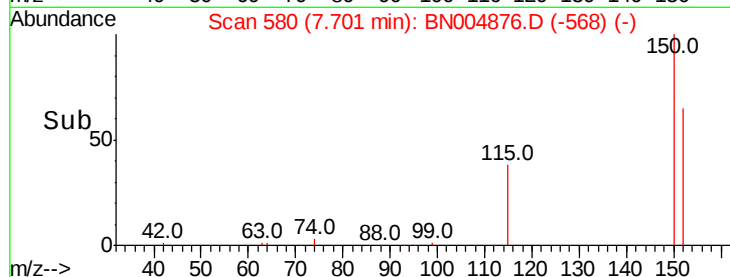
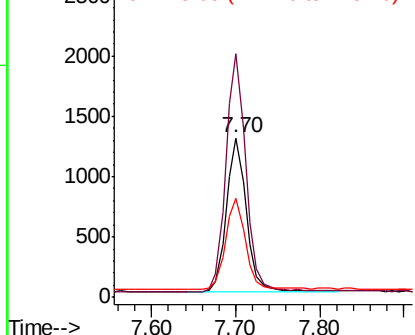


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

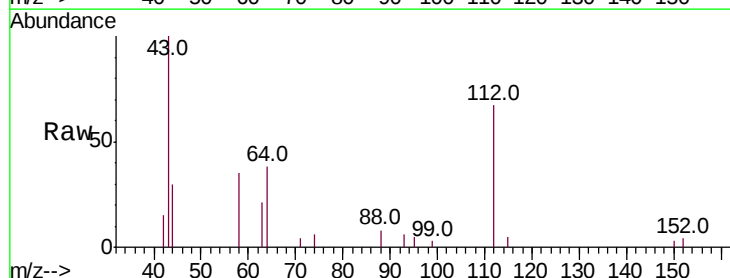
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.317 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.9	40.0	60.0
63	24.8	20.2	30.2

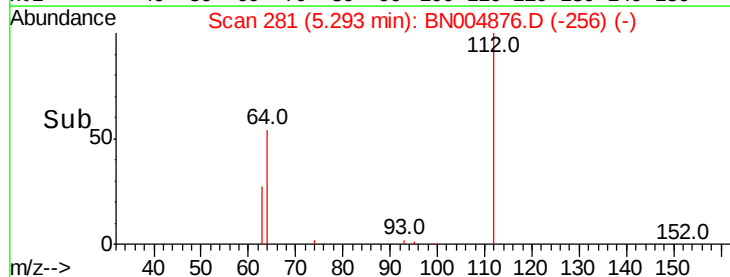
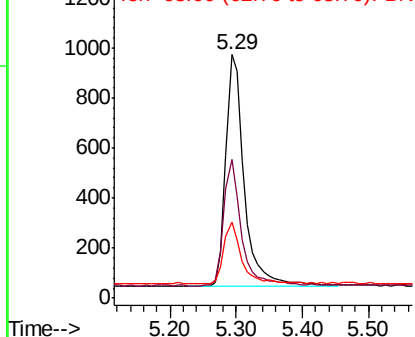


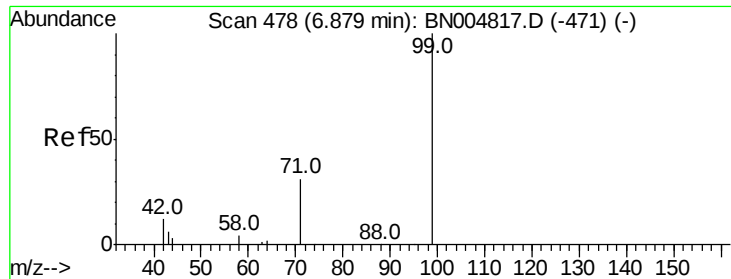
Abundance

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: 0.343 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Instrument :

BNA_N

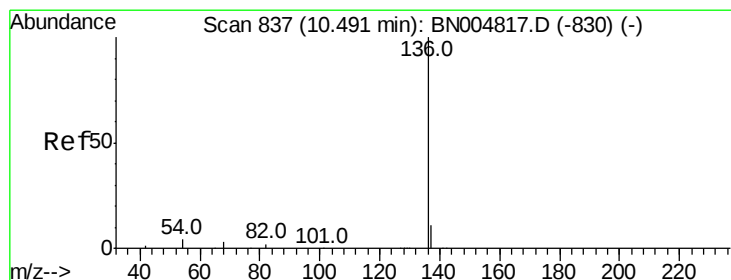
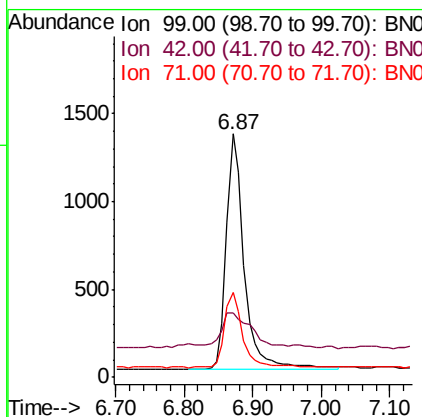
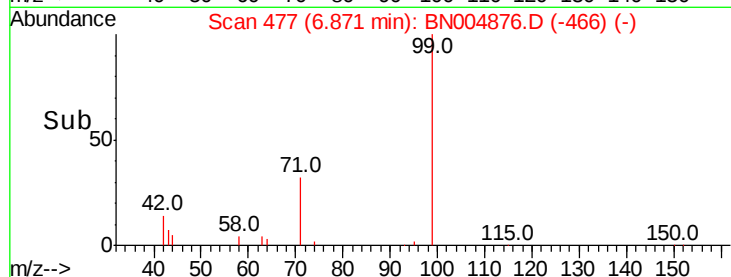
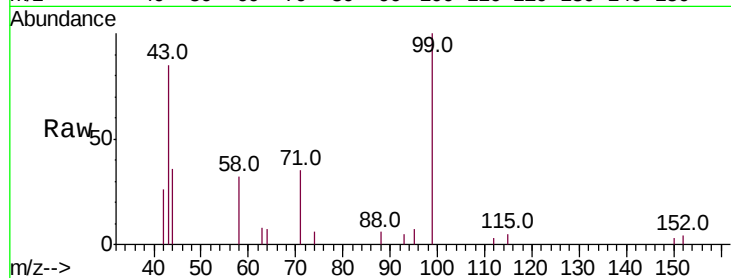
ClientSampleId :

PST-028-B007-1-030619

Tot Ion:	99	Resp:	2411
Ion Ratio	Lower	Upper	
99	100		
42	26.4	12.7	19.1#
71	31.9	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

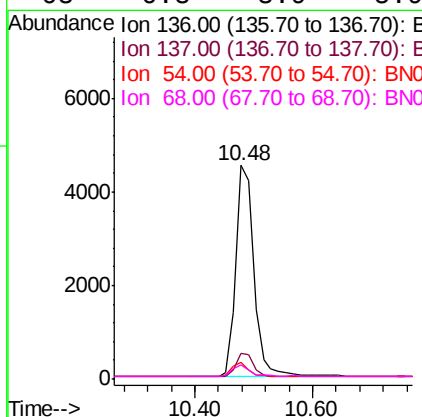
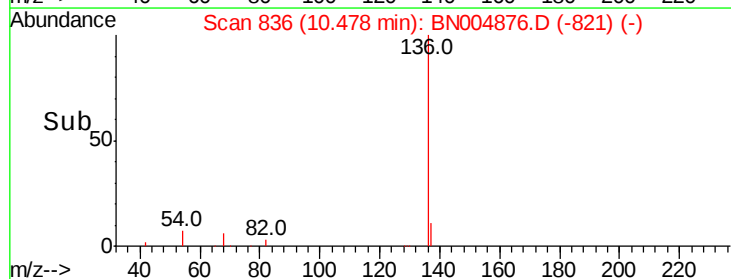
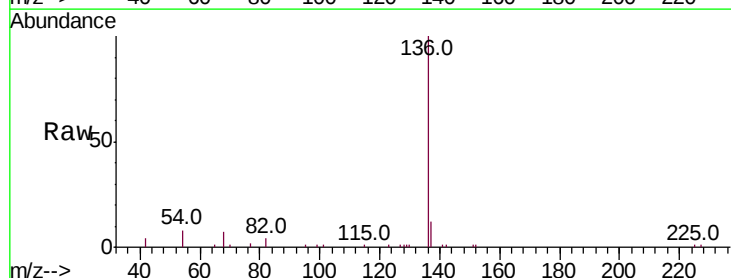
RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Tgt Ion:	136	Resp:	9539
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.6	14.4
54	7.9	4.2	6.2#
68	6.8	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.270 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Instrument :

BNA_N

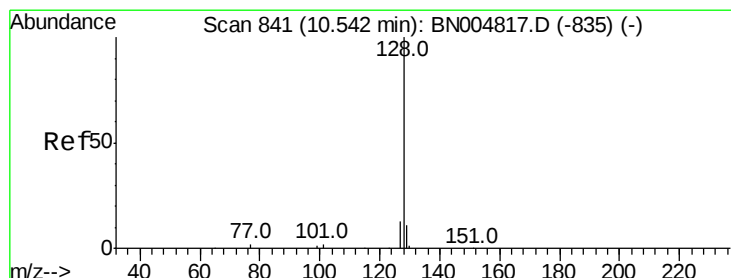
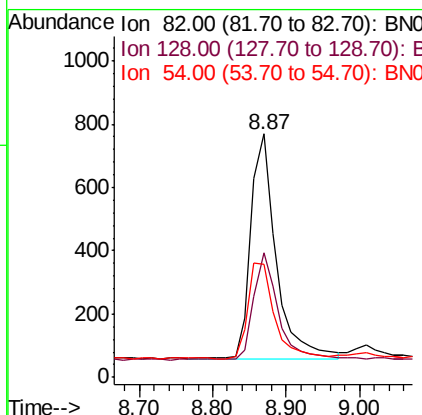
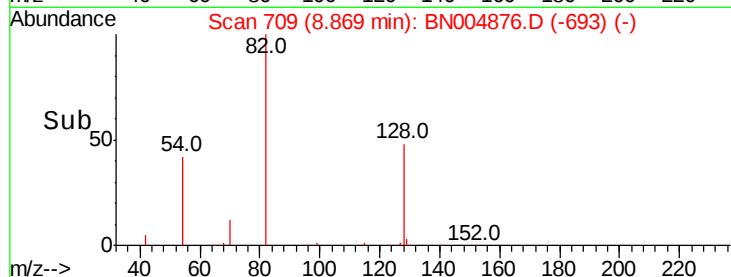
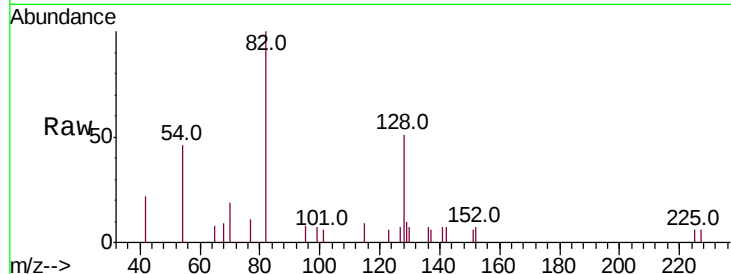
ClientSampleId :

PST-028-B007-1-030619

Tot Ion:	82	Resp:	1703
Ion	Ratio	Lower	Upper
82	100		
128	51.4	43.0	64.6
54	46.3	35.3	52.9

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#9

Naphthalene

Concen: 0.068 ng

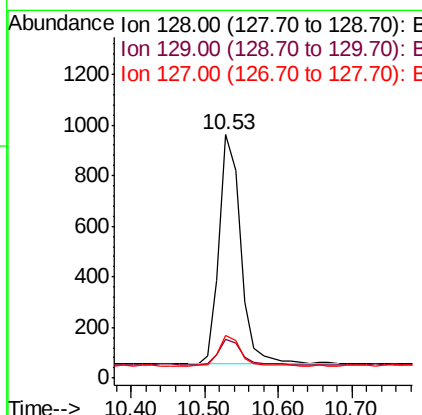
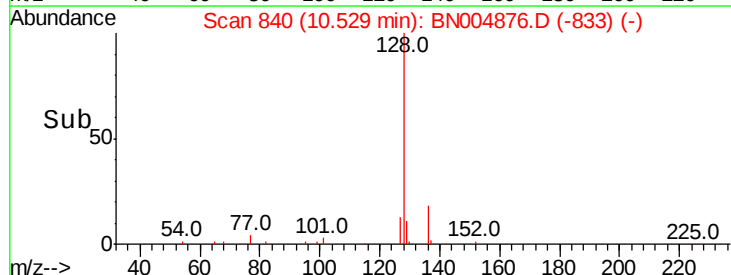
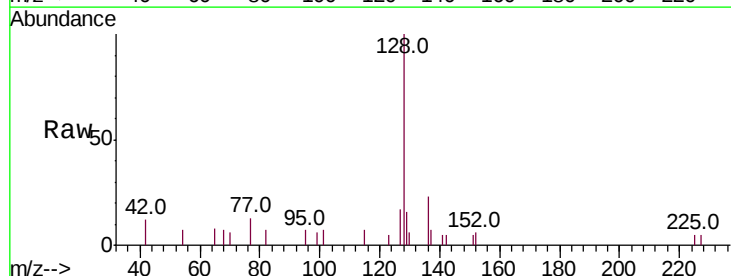
RT: 10.53 min Scan# 840

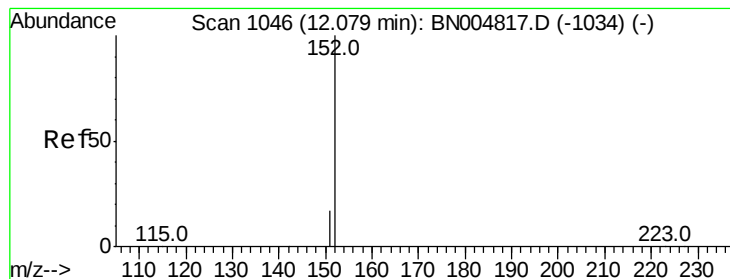
Delta R.T. -0.01 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Tgt Ion:	128	Resp:	1820
Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.9	14.9#
127	17.3	11.3	16.9#





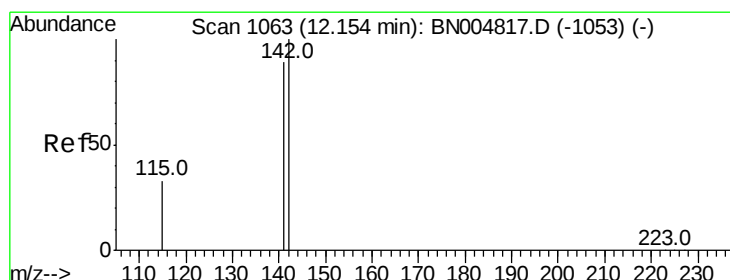
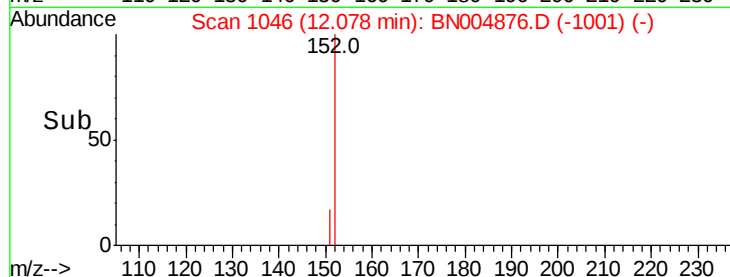
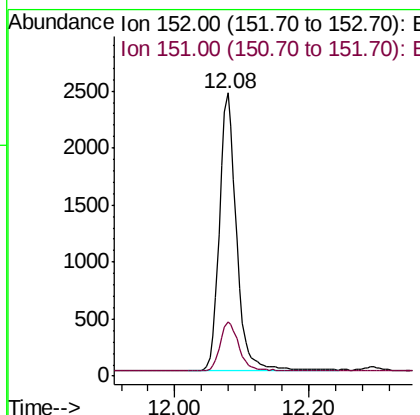
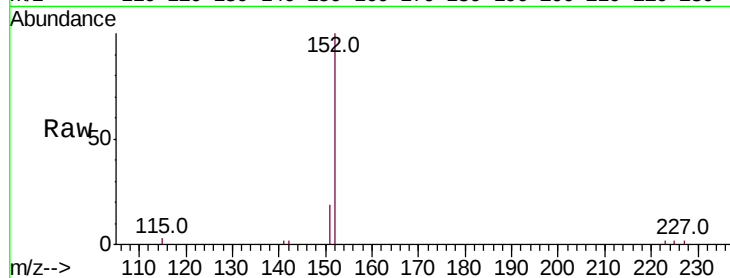
#11
 2-Methylnaphthalene-d10
 Concen: 0.258 ng
 RT: 12.08 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BN004876.D
 Acq: 22 Mar 2019 06:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

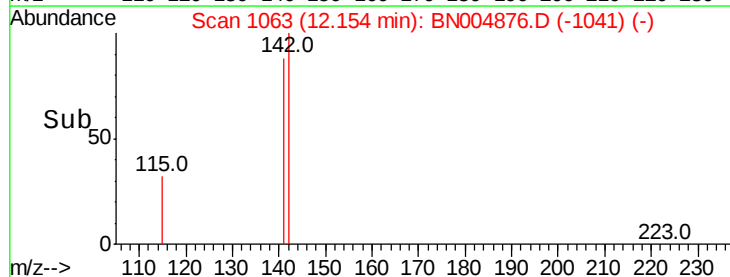
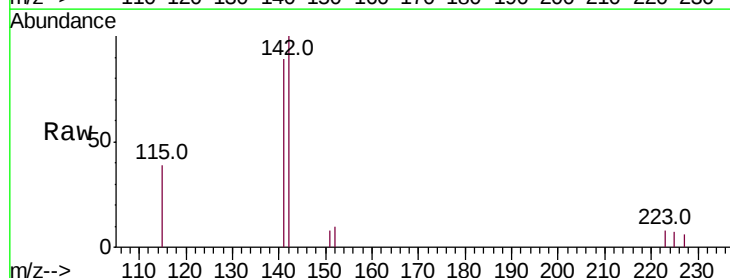
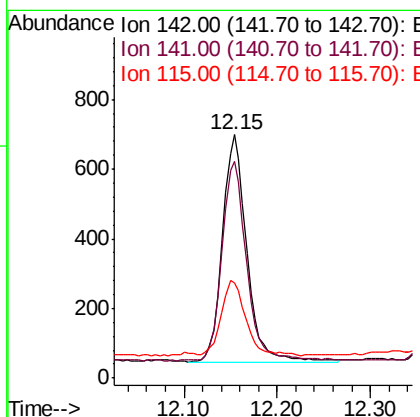
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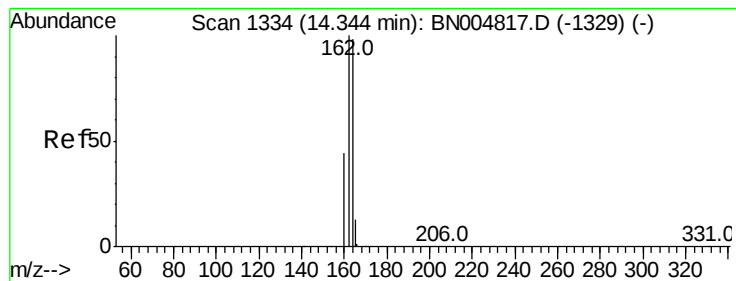
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#12
 2-Methylnaphthalene
 Concen: 0.059 ng
 RT: 12.15 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BN004876.D
 Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.2
115	39.1	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Instrument :

BNA_N

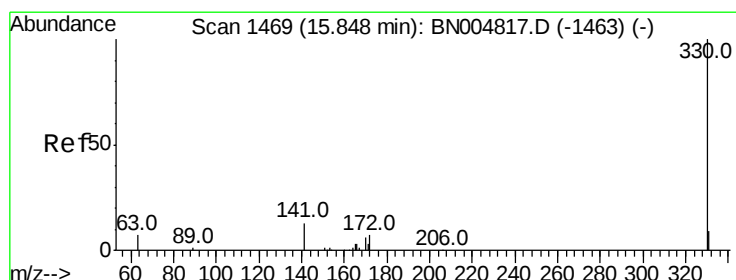
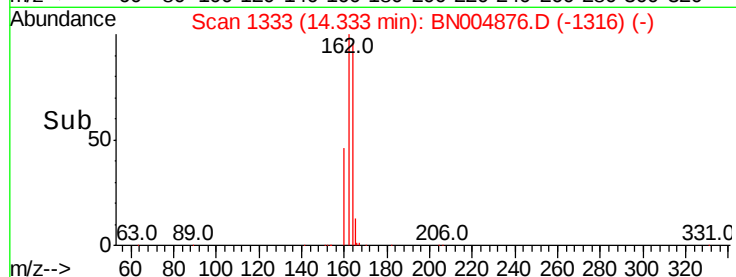
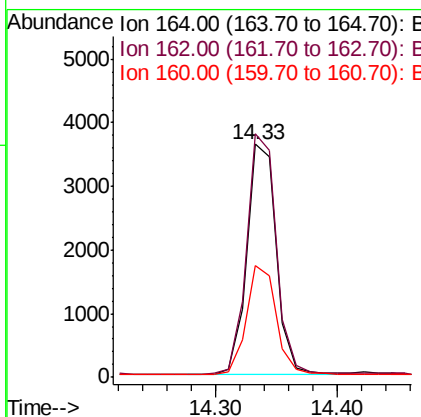
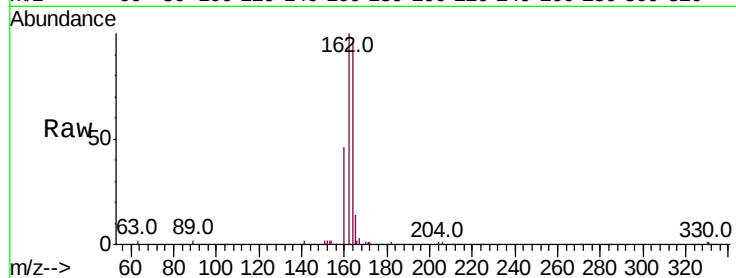
ClientSampleId :

PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	81.9	122.9
160	48.2	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.248 ng

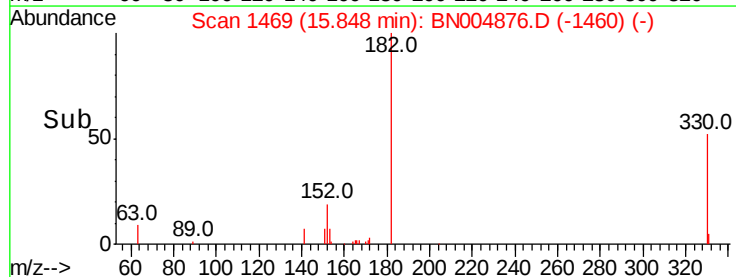
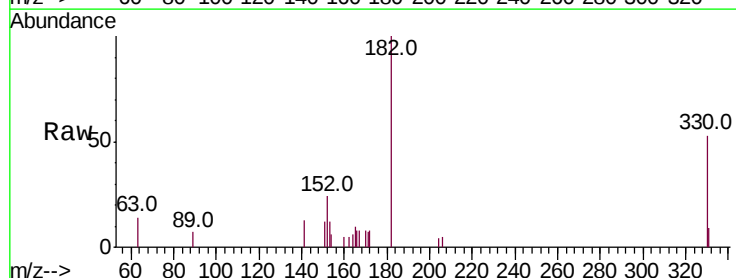
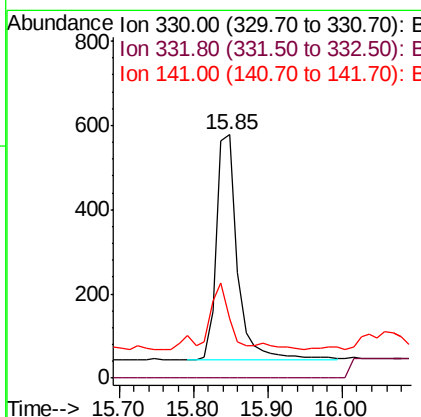
RT: 15.85 min Scan# 1469

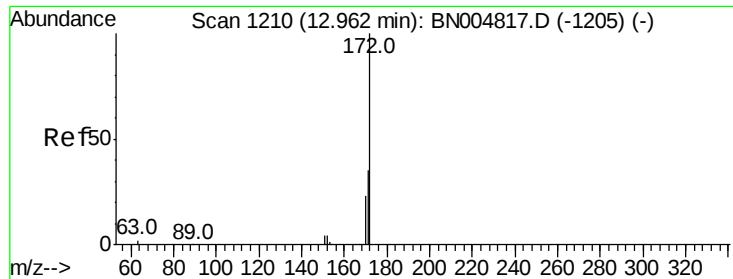
Delta R.T. -0.00 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.8	20.9	31.3





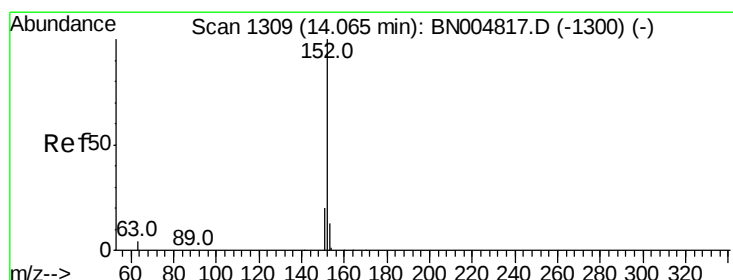
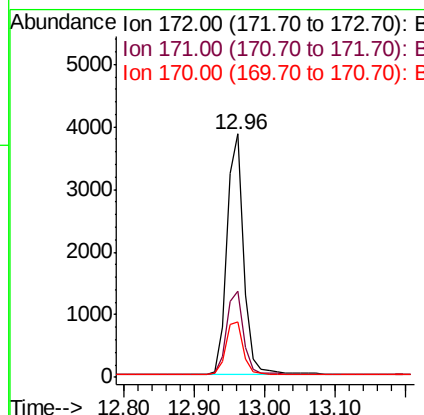
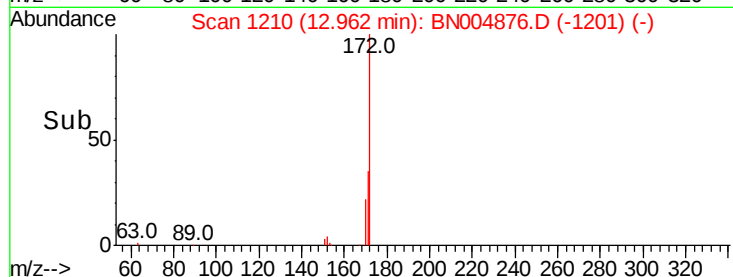
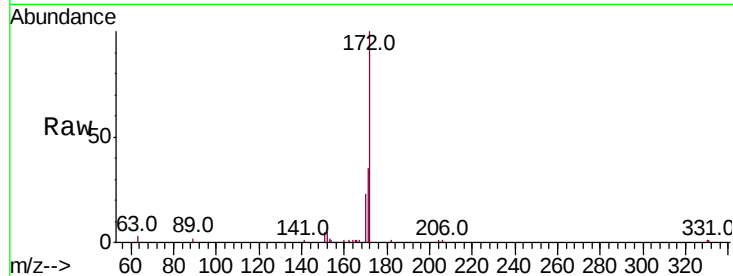
#15
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	22.8	18.7	28.1

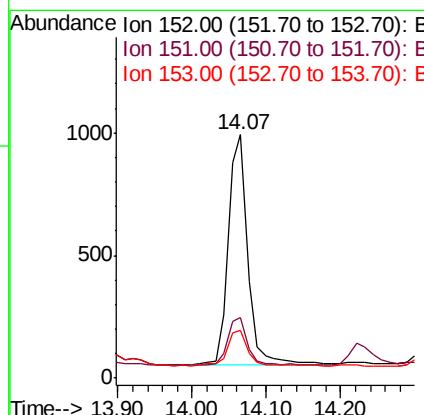
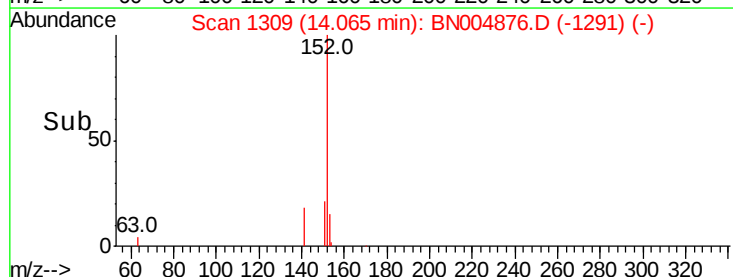
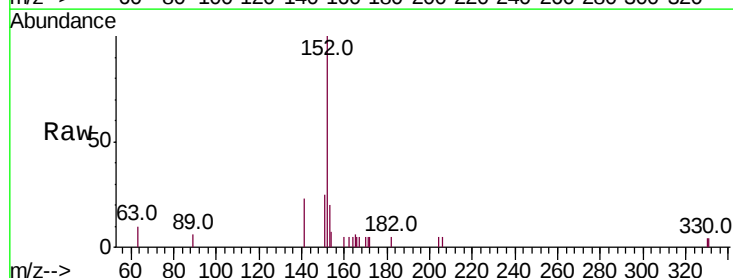
Manual Integrations
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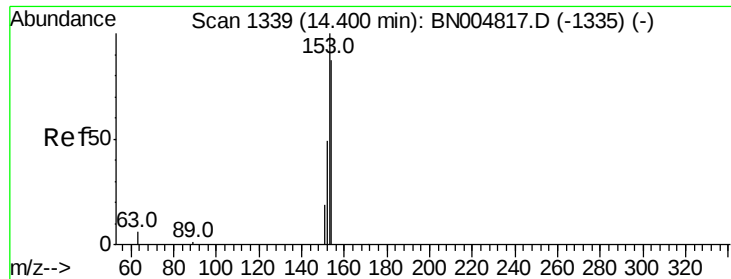
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#16
Acenaphthylene
Concen: 0.054 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.1	24.1
153	16.6	10.5	15.7





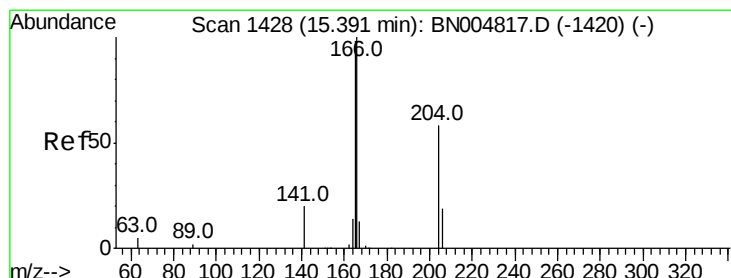
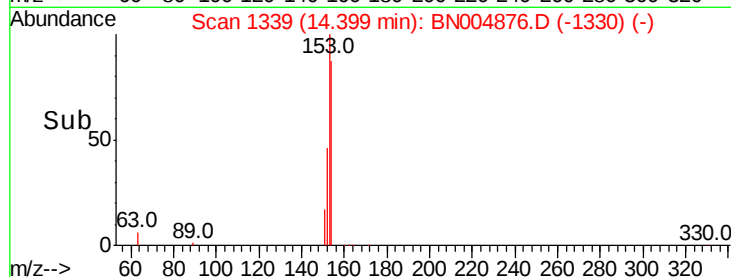
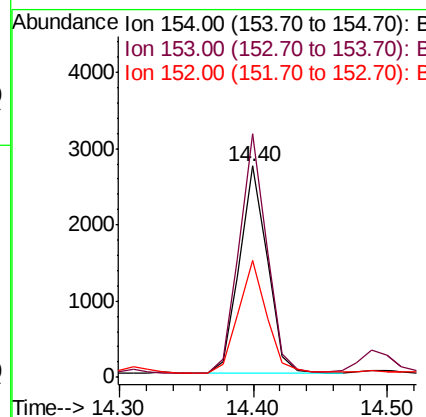
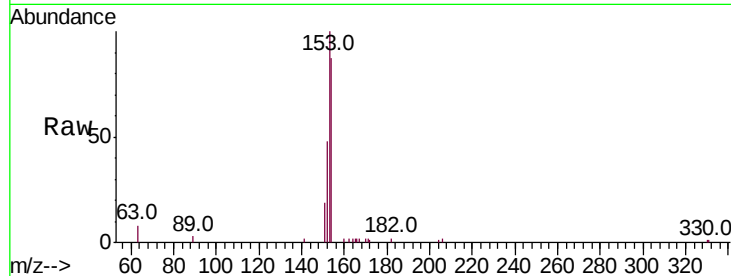
#17
Acenaphthene
Concen: 0.192 ng
RT: 14.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.4	137.2
152	55.4	44.2	66.2

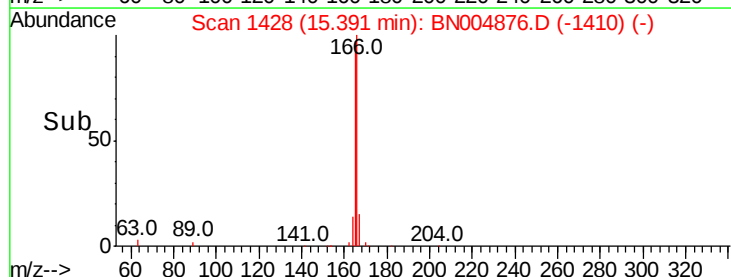
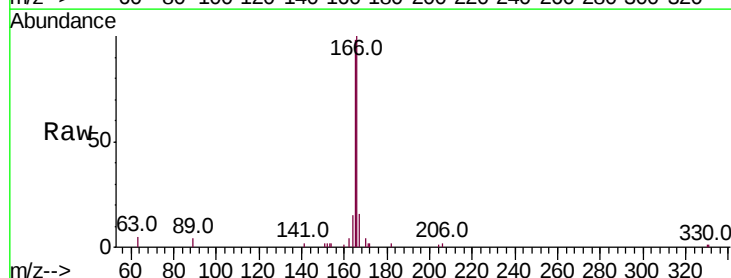
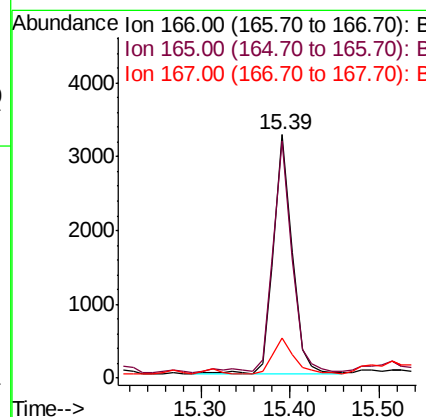
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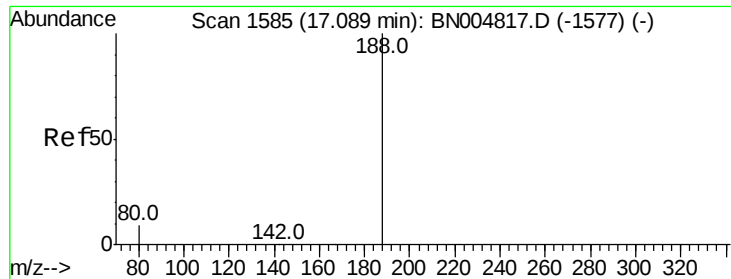
Sohil
3/22/2019 7:16:43 PM



#18
Fluorene
Concen: 0.167 ng
RT: 15.39 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	78.2	117.4
167	16.7	11.0	16.4#





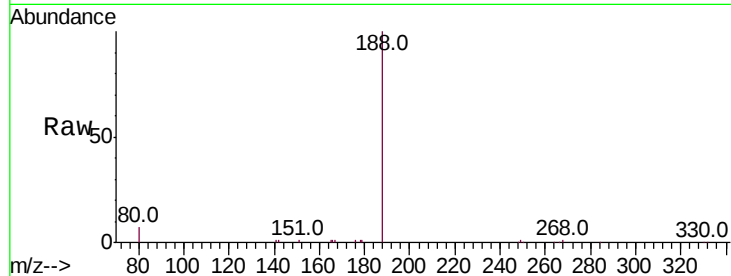
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

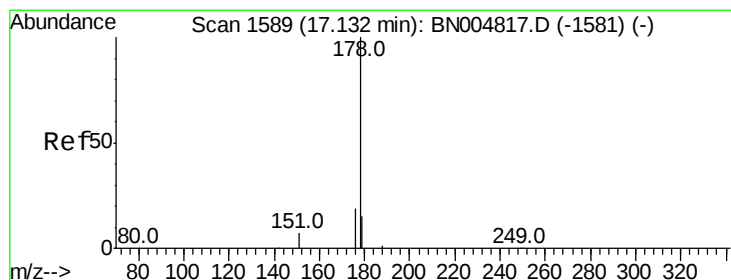
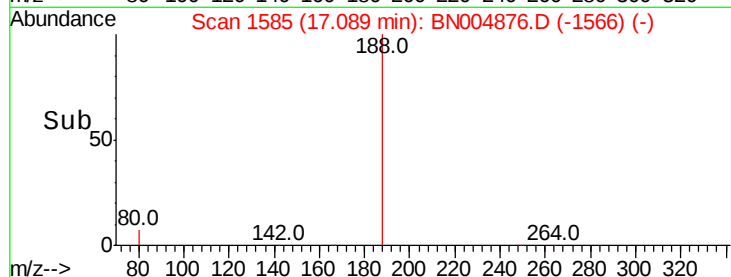
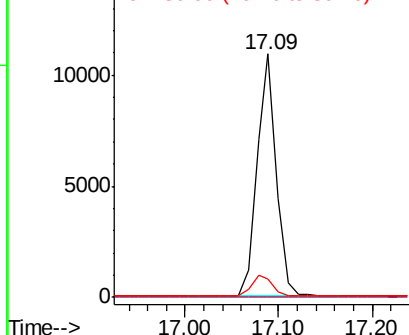
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	7.4	11.2#

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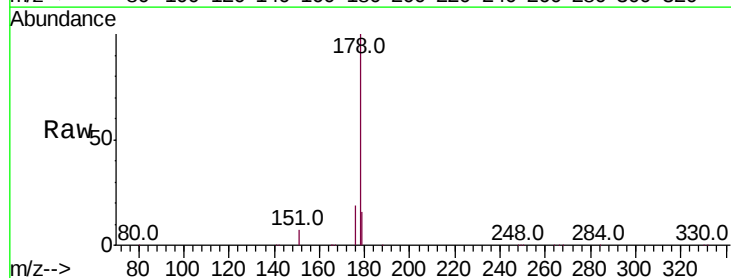


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

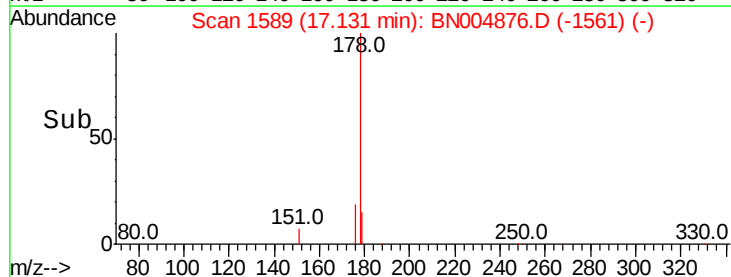
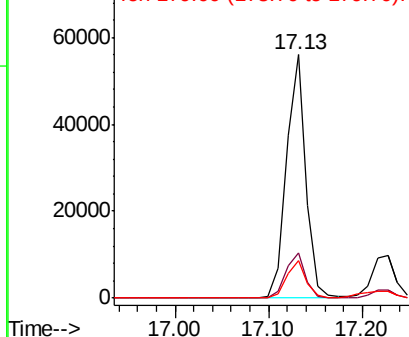


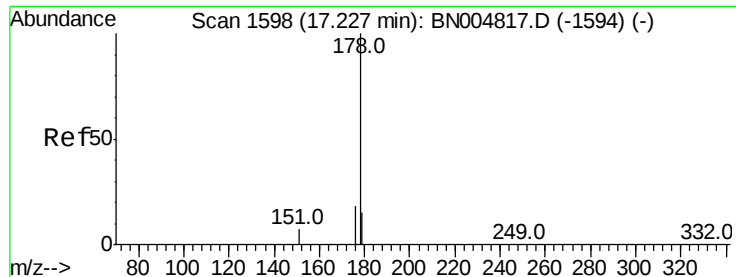
#23
Phenanthrene
Concen: 1.590 ng
RT: 17.13 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.4	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





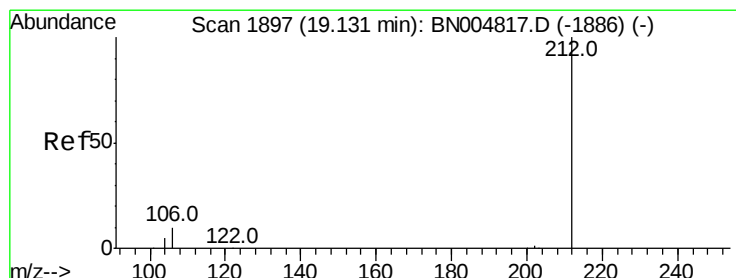
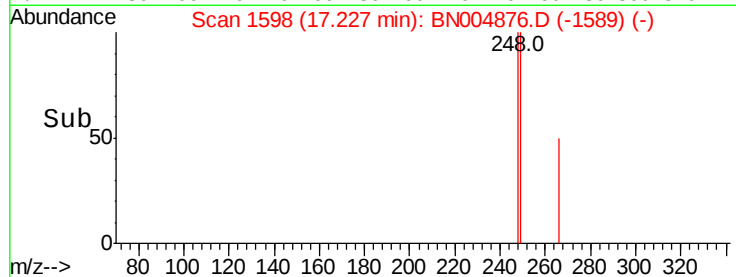
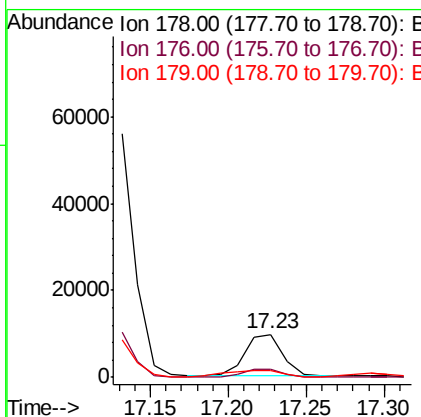
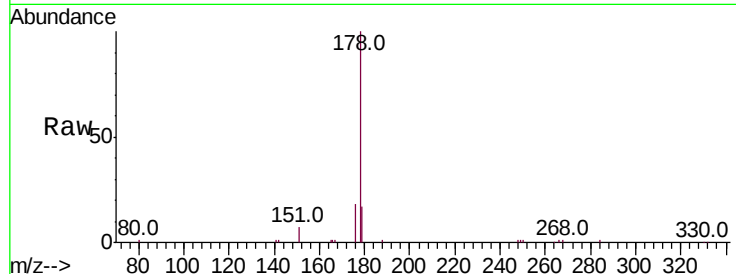
#24
 Anthracene
 Concen: 0.353 ng
 RT: 17.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BN004876.D
 Acq: 22 Mar 2019 06:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.5	21.7
179	23.1	12.2	18.4

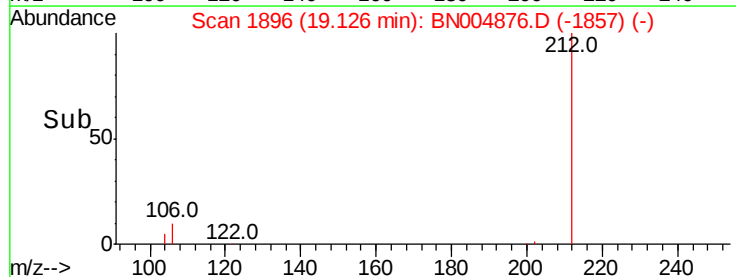
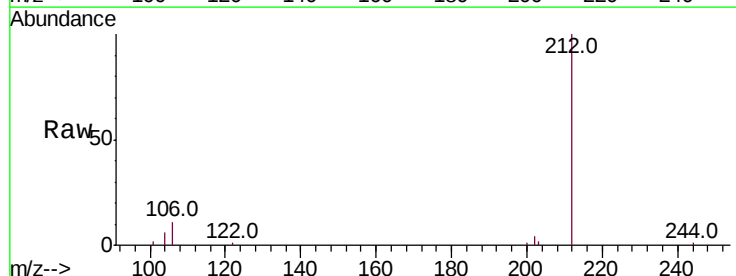
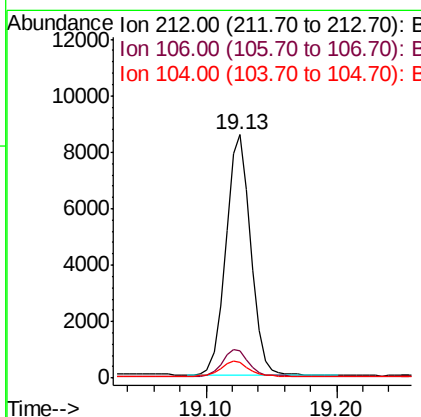
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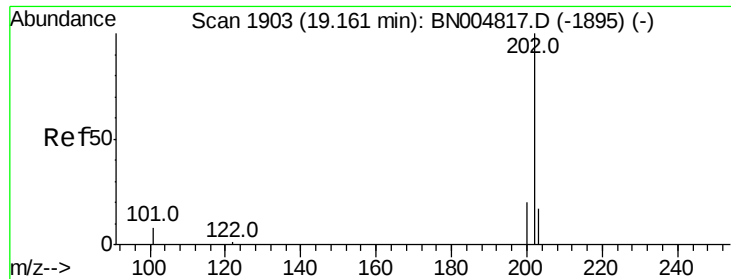
Sohil
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#25
 Fluoranthene-d10
 Concen: 0.217 ng
 RT: 19.13 min Scan# 1896
 Delta R.T. -0.01 min
 Lab File: BN004876.D
 Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.3	8.6	13.0
104	6.4	4.7	7.1





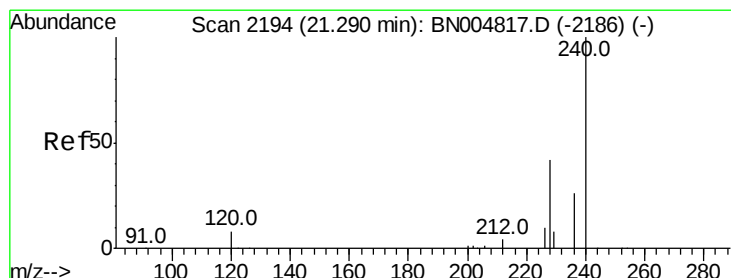
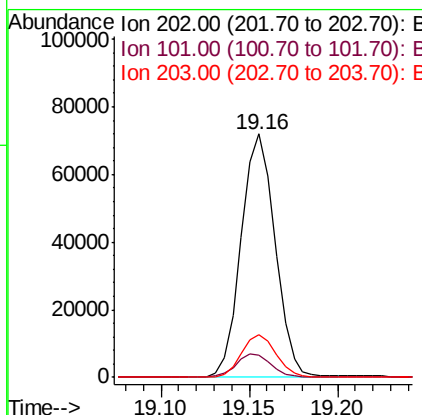
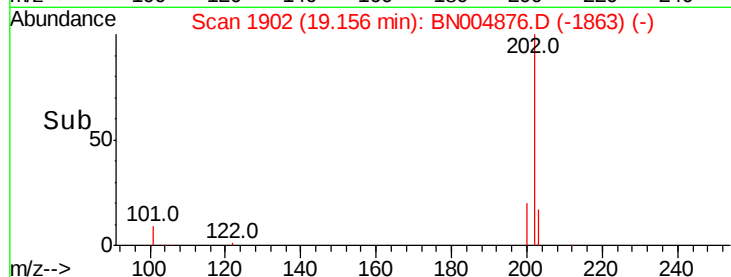
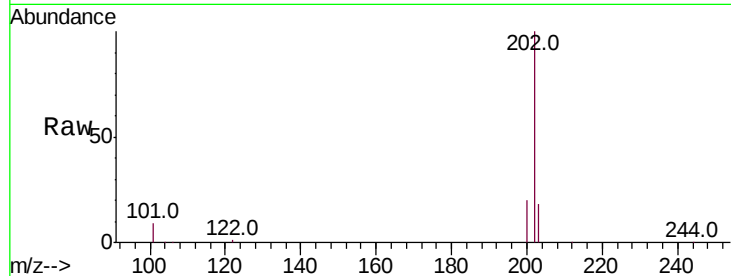
#26
Fluoranthene
Concen: 1.481 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	95954		
101	9.6		7.5	11.3
203	17.4		13.8	20.6

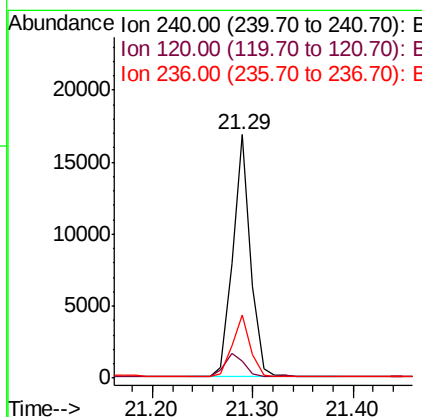
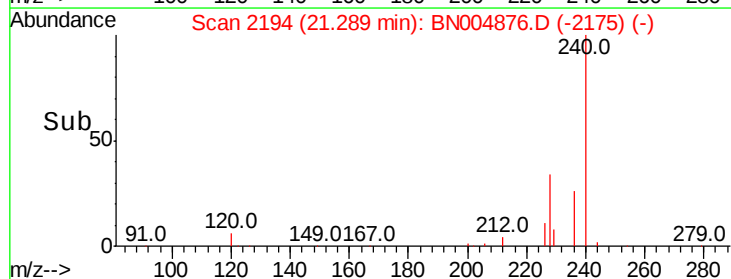
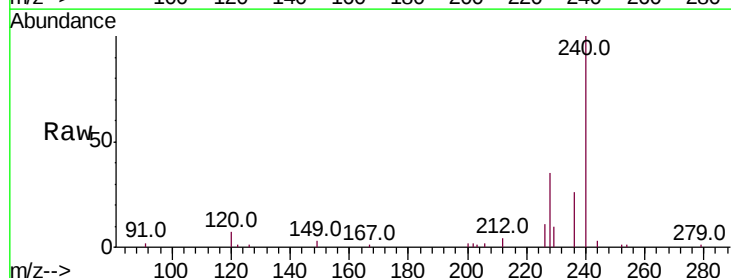
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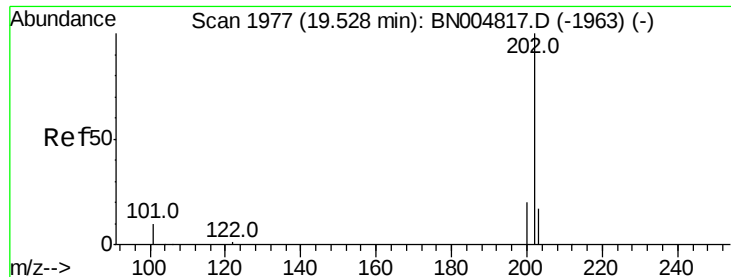
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	20718		
120	7.1		7.2	10.8#
236	26.2		20.9	31.3





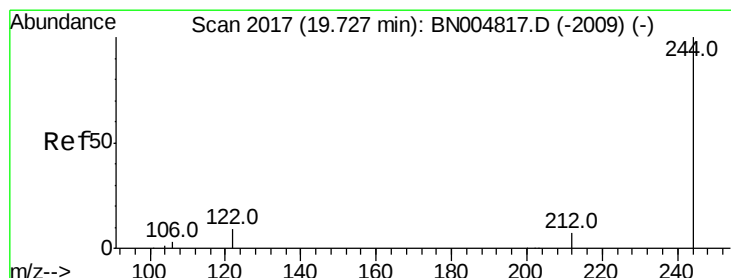
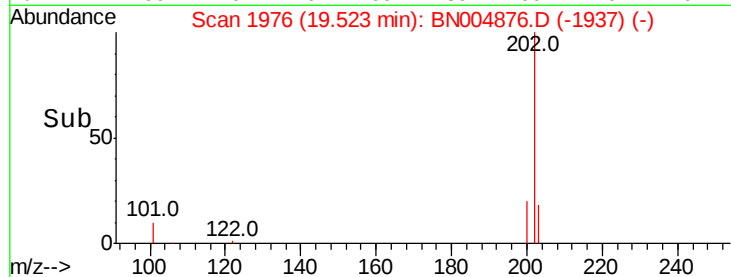
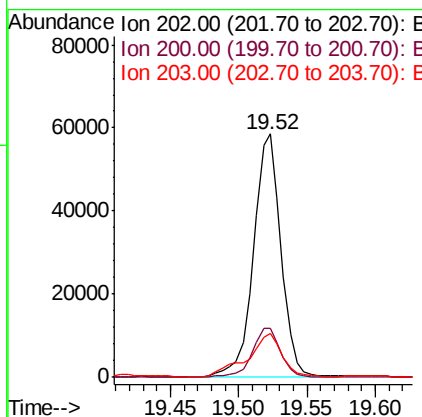
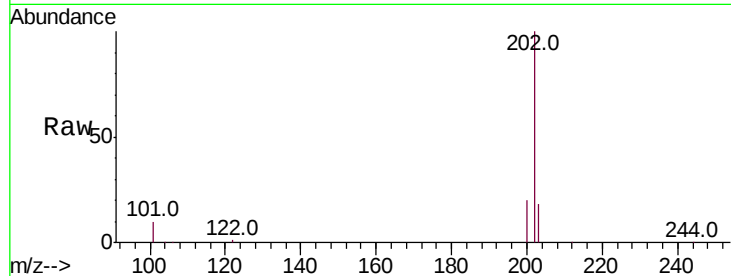
#28
Pvrene
Concen: 1.286 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	22.6	14.0	21.0

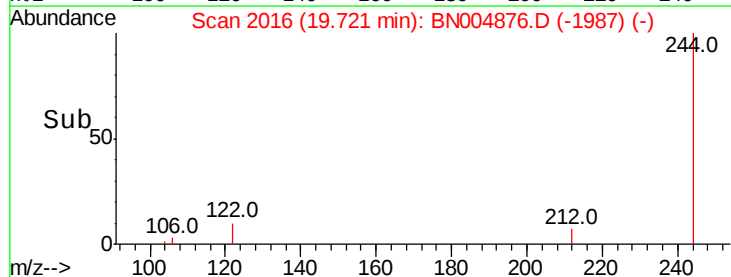
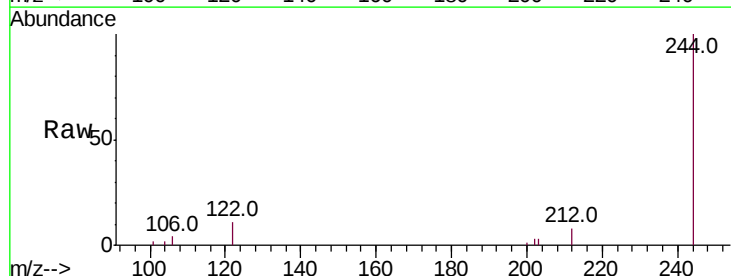
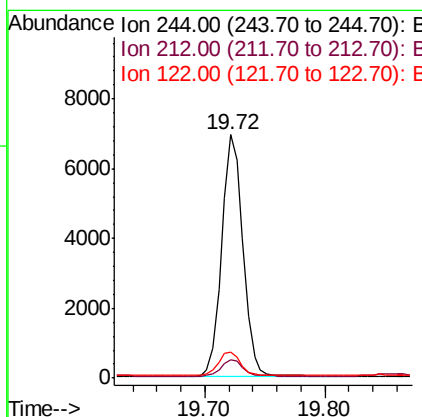
Manual Integrations
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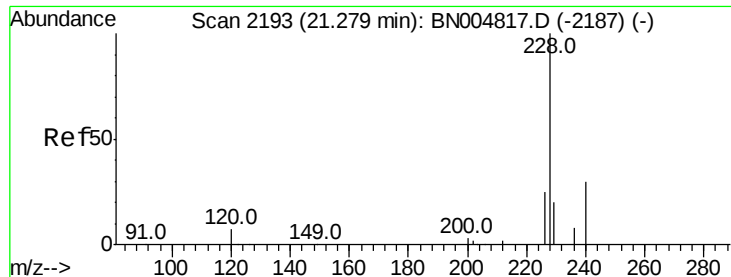
Sohil
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#29
Terphenyl-d14
Concen: 0.199 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	10.9	7.9	11.9





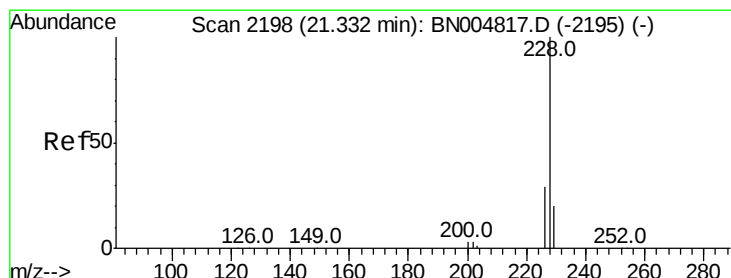
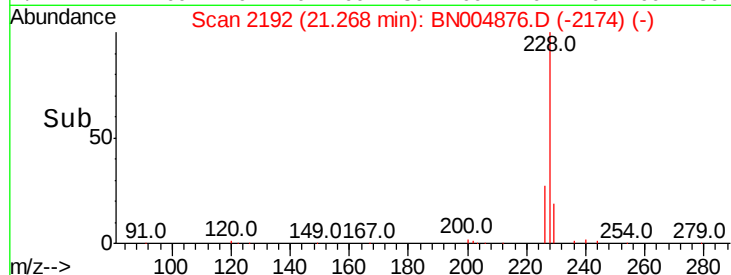
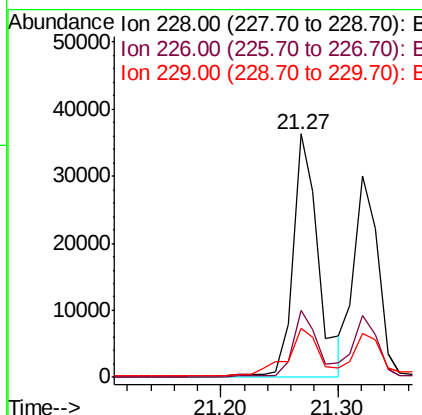
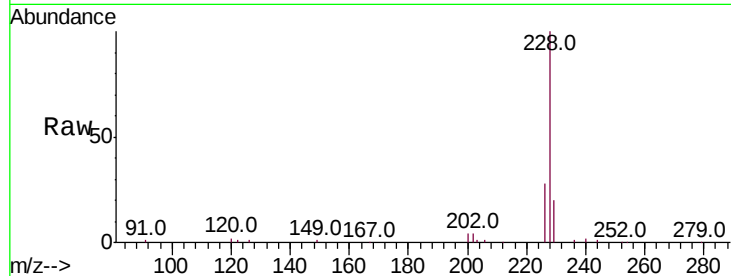
#30
Benzo(a)anthracene
Concen: 0.794 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.6	31.0
229	20.4	16.2	24.4

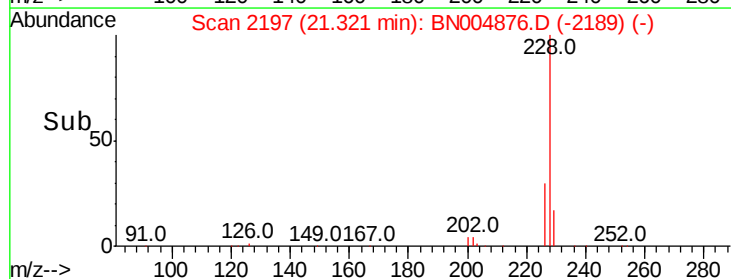
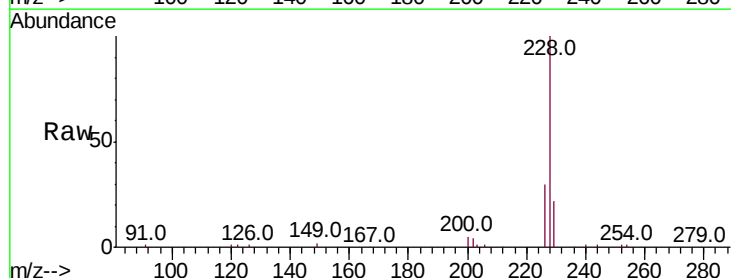
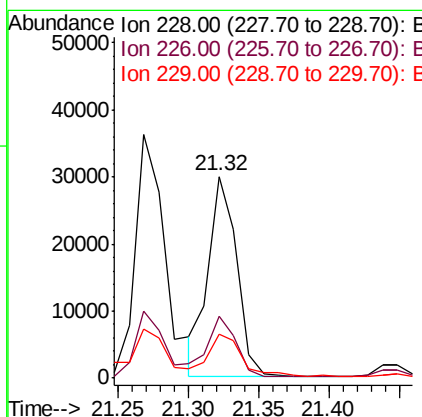
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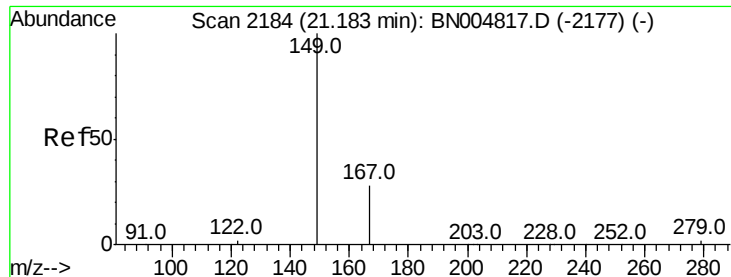
Sohil
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#31
Chrysene
Concen: 0.590 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.0	34.6
229	21.9	16.2	24.2





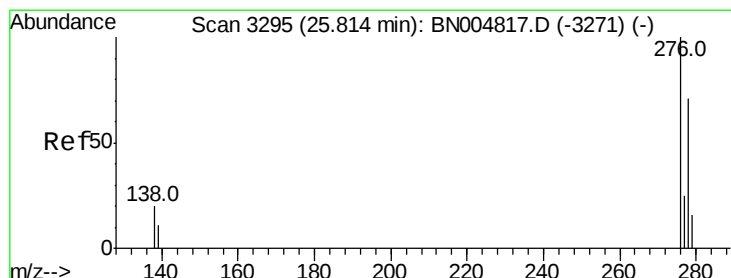
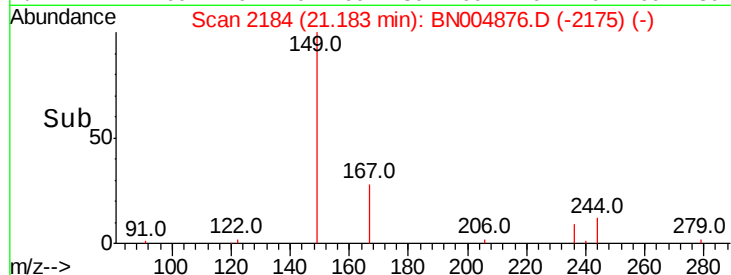
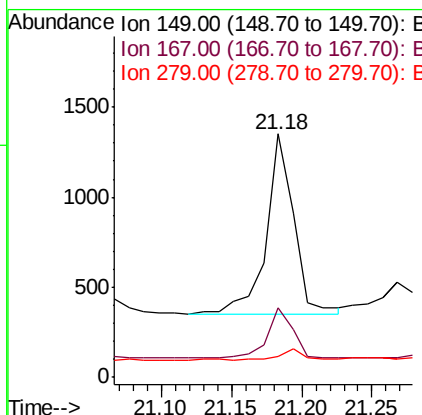
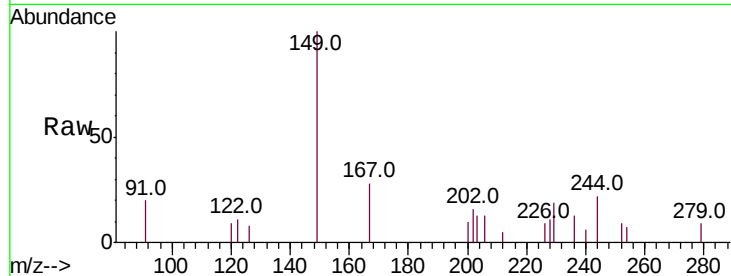
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.052 ng
 RT: 21.18 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: BN004876.D
 Acq: 22 Mar 2019 06:34

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	23.0	34.4
279	6.2	4.6	6.8

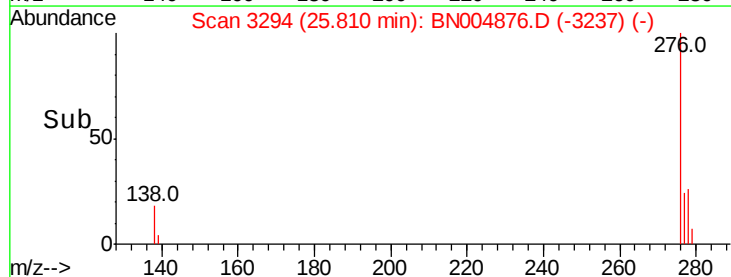
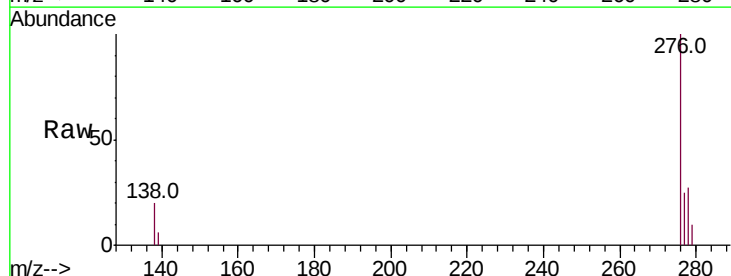
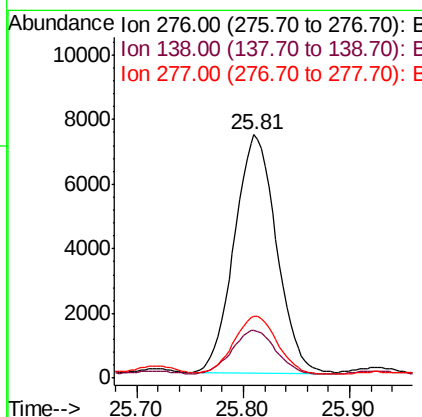
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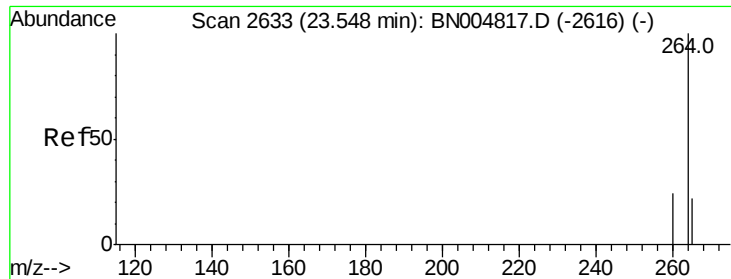
Sohil
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.197 ng
 RT: 25.81 min Scan# 3294
 Delta R.T. -0.00 min
 Lab File: BN004876.D
 Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	16.6	24.8
277	25.0	20.3	30.5





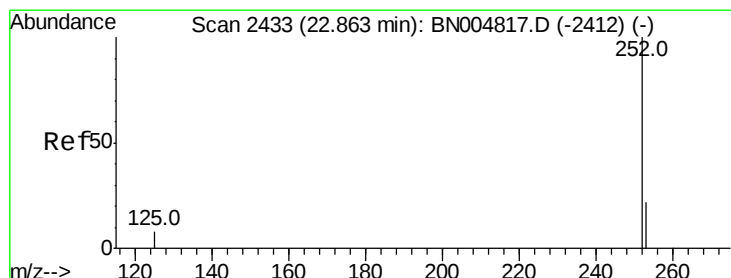
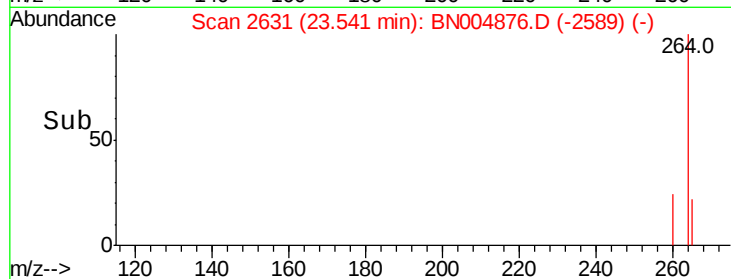
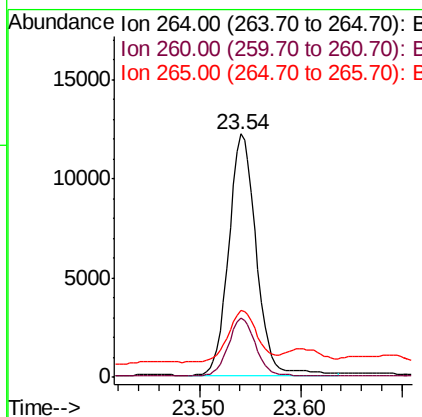
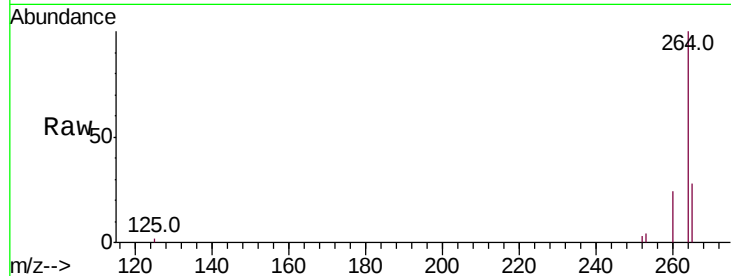
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Instrument :
BNA_N
ClientSampleId :
PST-028-B007-1-030619

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	27.7	23.1	34.7

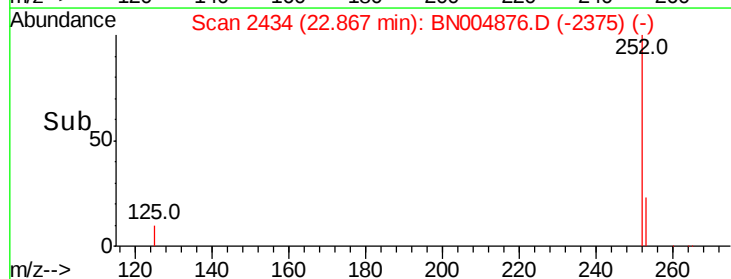
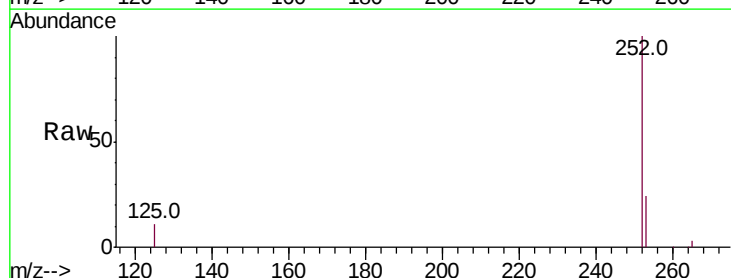
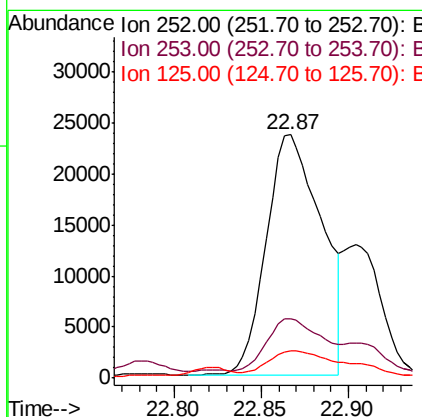
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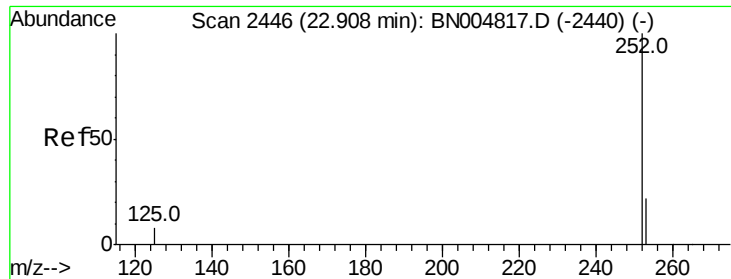
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.632 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004876.D
Acq: 22 Mar 2019 06:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.4
125	11.1	7.4	11.2





#36

Benzo(k)fluoranthene

Concen: 0.237 ng/mL

RT: 22.90 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Instrument :

BNA_N

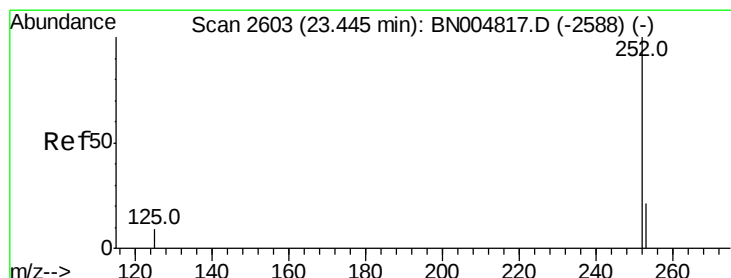
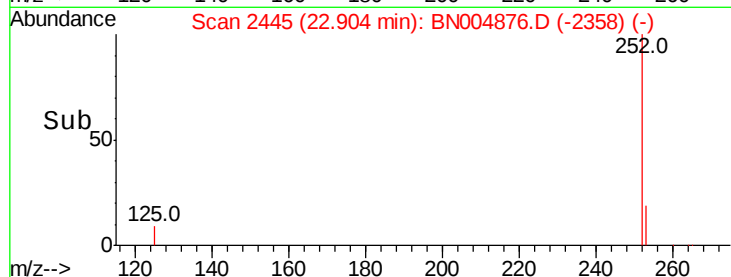
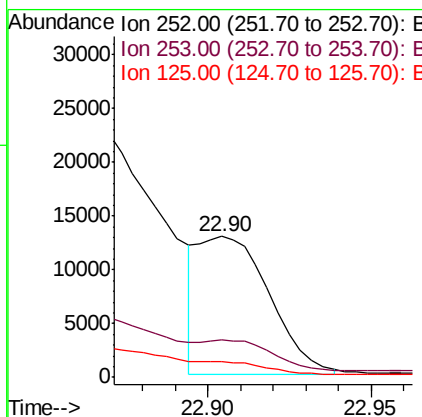
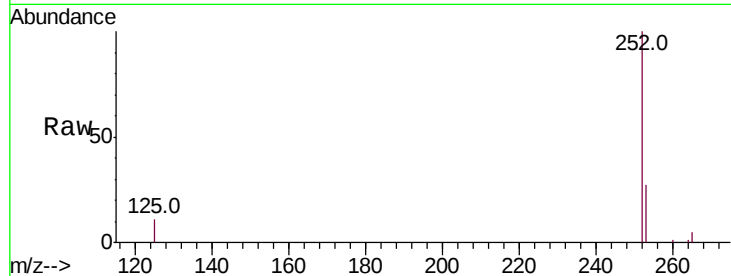
ClientSampleId :

PST-028-B007-1-030619

Tot Ion:	252	Resp:	19269
Ion Ratio	Lower	Upper	
252	100		
253	26.6	19.3	28.9
125	11.0	7.4	11.0

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 0.510 ng/mL

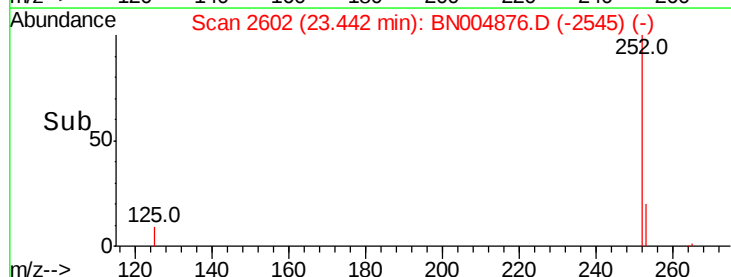
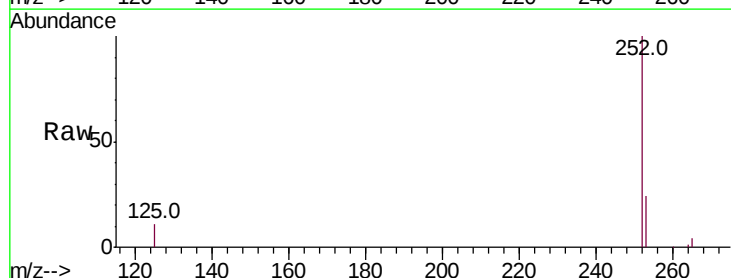
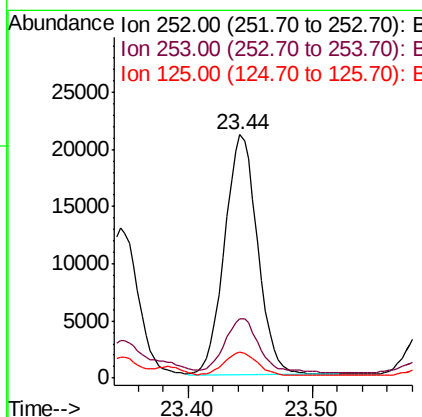
RT: 23.44 min Scan# 2602

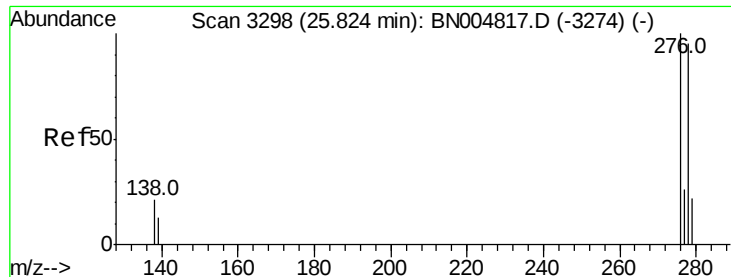
Delta R.T. -0.00 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Tgt Ion:	252	Resp:	38575
Ion Ratio	Lower	Upper	
252	100		
253	24.4	19.7	29.5
125	10.6	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.075 ng

RT: 25.81 min Scan# 3295

Delta R.T. -0.01 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Instrument :

BNA_N

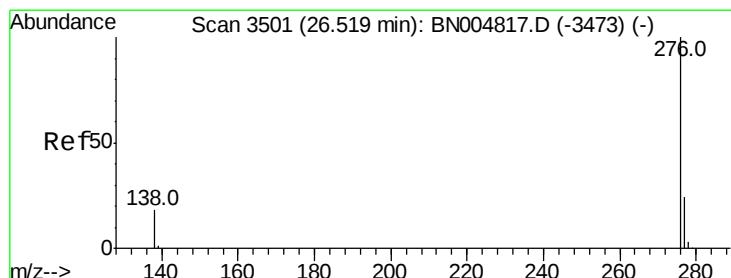
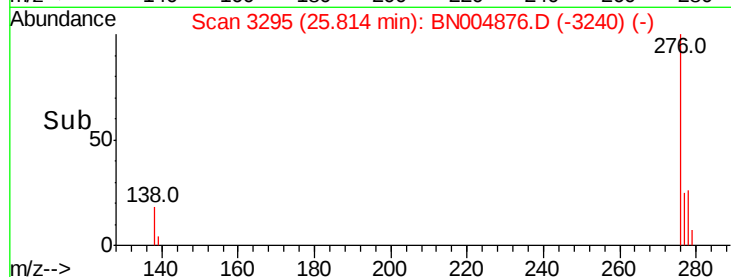
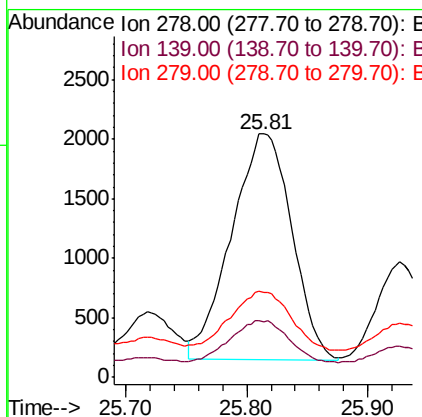
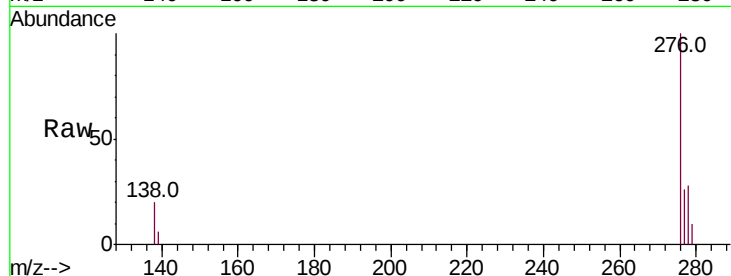
ClientSampleId :

PST-028-B007-1-030619

Tot Ion:	278	Resp:	6593
Ion Ratio	Lower	Upper	
278	100		
139	22.9	11.7	17.5#
279	34.8	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:43 PM



#39

Benzo(g,h,i)perylene

Concen: 0.198 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004876.D

Acq: 22 Mar 2019 06:34

Tgt Ion:	276	Resp:	17692
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.7	29.5
138	20.3	14.6	22.0

