

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004880.D
 Acq On : 22 Mar 2019 08:55
 Operator : JU/SJ
 Sample : K2013-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B122-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:52:34 AM

Quant Time: Mar 22 22:26:41 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	2157	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10037	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6344	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	16023	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20746	0.40	ng	0.00
34) Perylene-d12	23.54	264	22675	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2703	0.46	ng	0.00
5) Phenol-d6	6.87	99	3747	0.51	ng	0.00
8) Nitrobenzene-d5	8.86	82	2457	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.08	152	6459	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2738	0.62	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	10226	0.39	ng	-0.01
25) Fluoranthene-d10	19.13	212	17978	0.34	ng	0.00
29) Terphenyl-d14	19.72	244	19310	0.45	ng	0.00

Target Compounds					Qvalue	
16) Acenaphthylene	14.07	152	2700	0.083	ng	99
23) Phenanthrene	17.13	178	13868	0.268	ng	99
24) Anthracene	17.23	178	1860	0.040	ng	99
26) Fluoranthene	19.16	202	21454	0.323	ng	98
28) Pyrene	19.52	202	26671	0.422	ng	97
30) Benzo(a)anthracene	21.27	228	11060	0.163	ng	93
31) Chrysene	21.32	228	14963	0.209	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	4289	0.158	ng	99
33) Indeno(1,2,3-cd)pyrene	25.81	276	7995	0.077	ng	98
35) Benzo(b)fluoranthene	22.87	252	15705	0.191	ng	# 81
36) Benzo(k)fluoranthene	22.91	252	5306m	0.066	ng	
37) Benzo(a)pyrene	23.45	252	12004	0.160	ng	# 91
38) Dibenzo(a,h)anthracene	25.82	278	2146	0.025	ng	# 40
39) Benzo(g,h,i)perylene	26.52	276	8648	0.097	ng	# 94

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

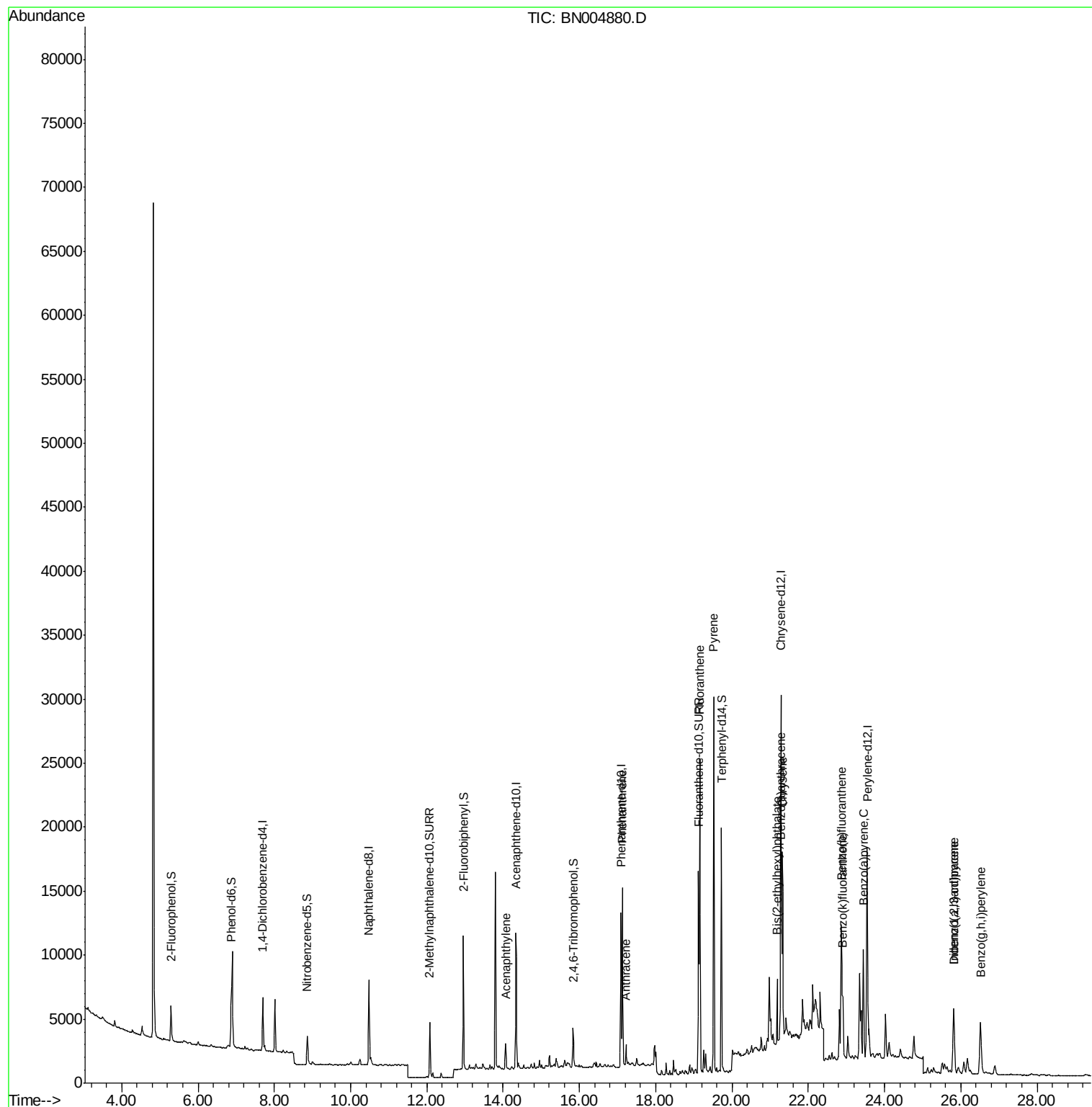
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
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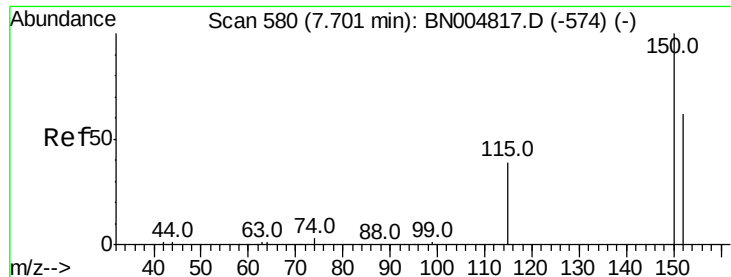
Instrument :
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PST-026-B122-031819

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

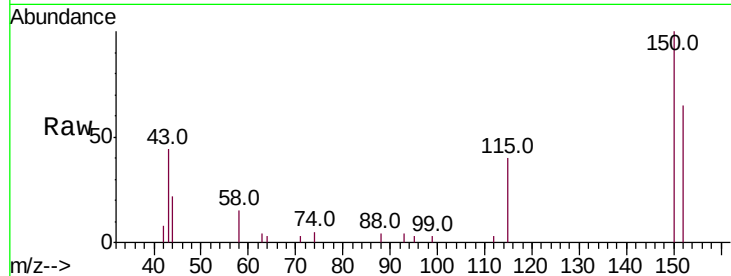
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.70 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BN004880.D
 Acq: 22 Mar 2019 08:55

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.4
115	62.1	52.6	79.0

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Abundance

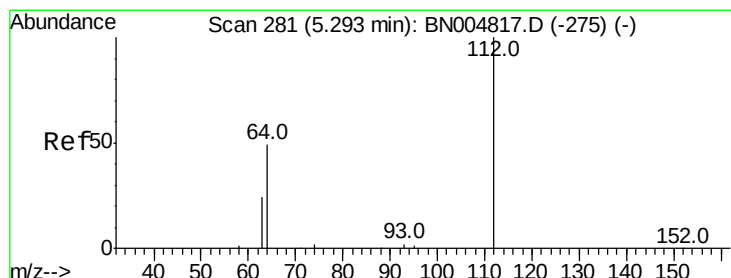
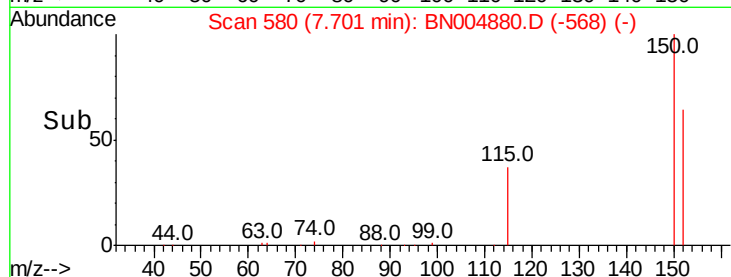
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.70

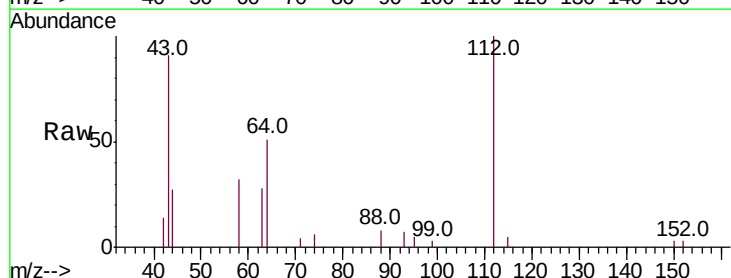
Time-->



#4

2-Fluorophenol
 Concen: 0.461 ng
 RT: 5.29 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: BN004880.D
 Acq: 22 Mar 2019 08:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.8	40.0	60.0
63	25.7	20.2	30.2



Abundance

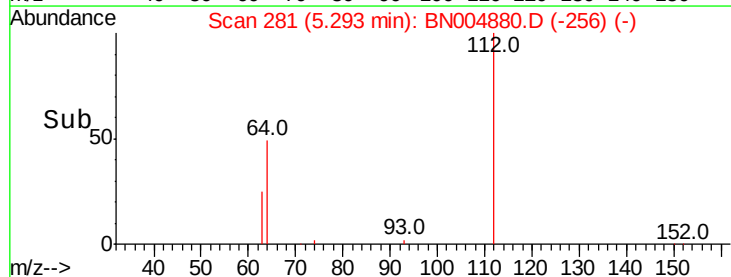
Ion 112.00 (111.70 to 112.70): E

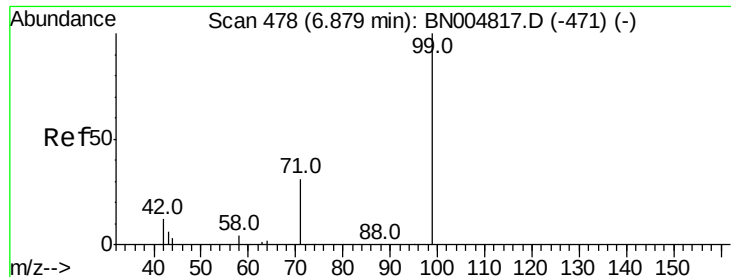
Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.29

Time-->





#5

Phenol-d6

Concen: 0.513 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

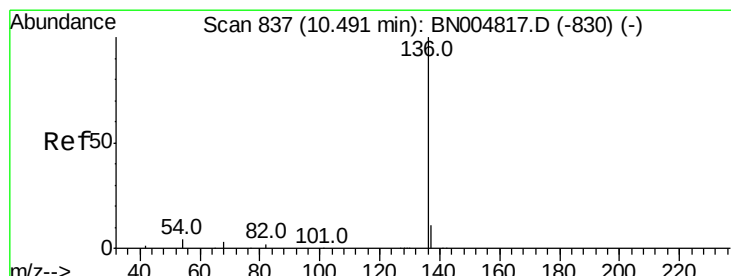
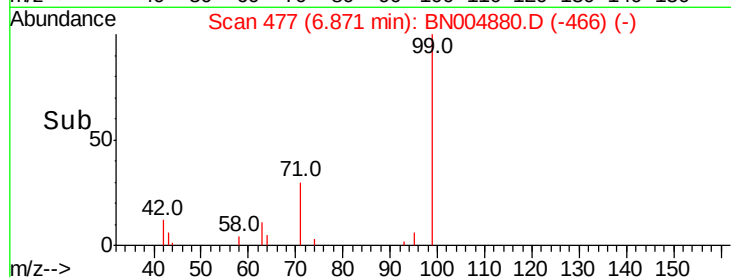
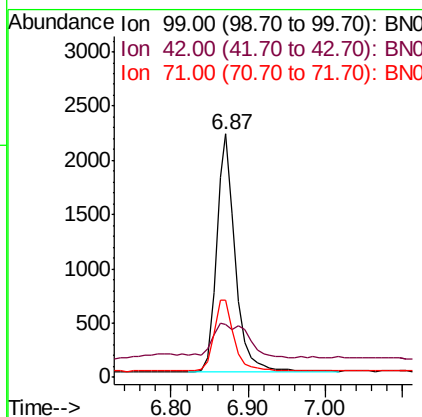
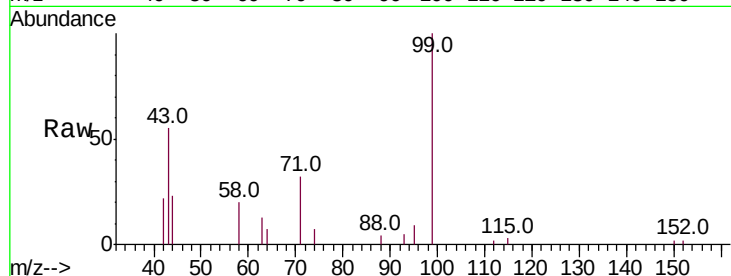
ClientSampleId :

PST-026-B122-031819

Tot Ion:	99	Resp:	3747
Ion	Ratio	Lower	Upper
99	100		
42	26.8	12.7	19.1#
71	31.5	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

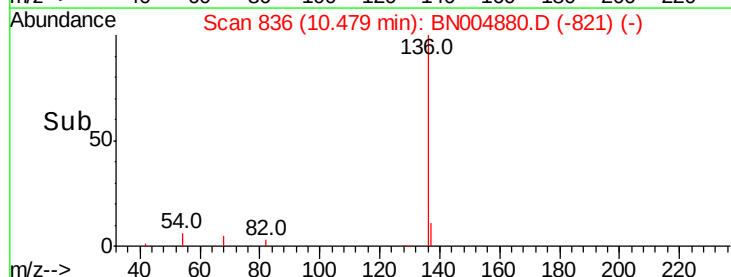
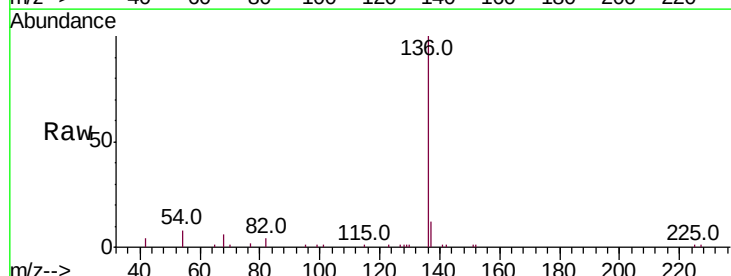
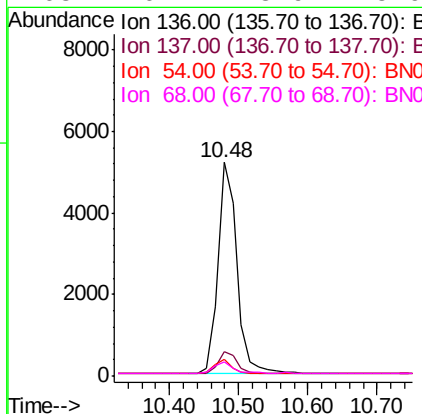
RT: 10.48 min Scan# 836

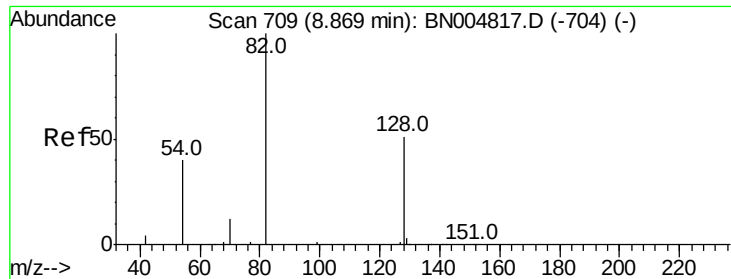
Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Tgt Ion:	136	Resp:	10037
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	7.7	4.2	6.2#
68	6.4	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.370 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

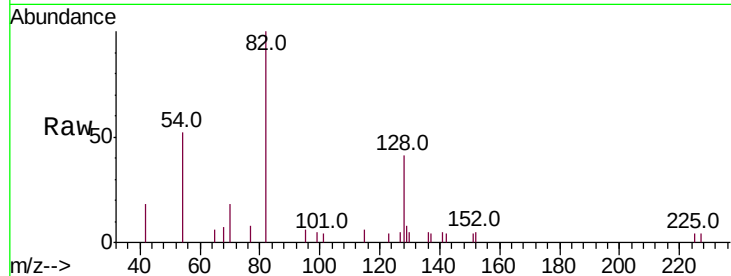
ClientSampleId :

PST-026-B122-031819

Tot Ion:	82	Resp:	2457
Ion Ratio	Lower	Upper	
82	100		
128	41.1	43.0	64.6#
54	52.4	35.3	52.9

Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

8.86

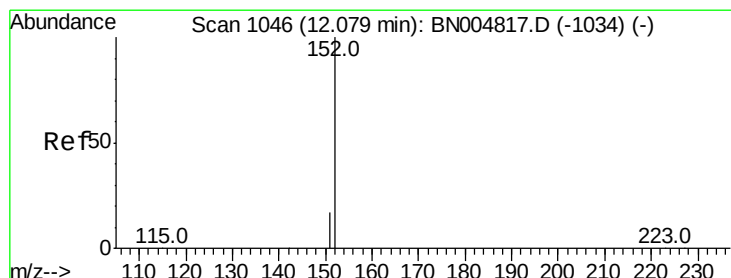
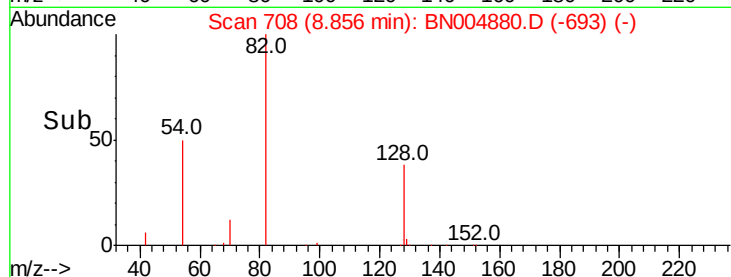
1000

500

0

Time-->

8.80 8.90 9.00



#11

2-Methylnaphthalene-d10

Concen: 0.369 ng

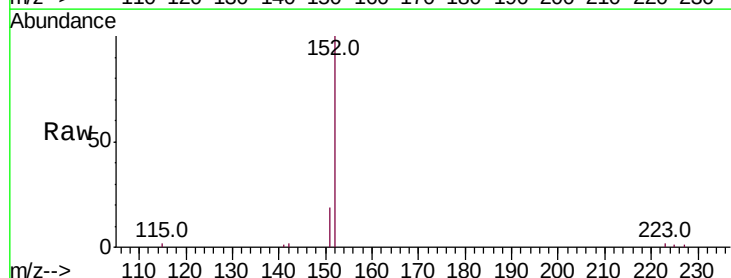
RT: 12.08 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Tgt Ion:	152	Resp:	6459
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)

12.08

4000

3000

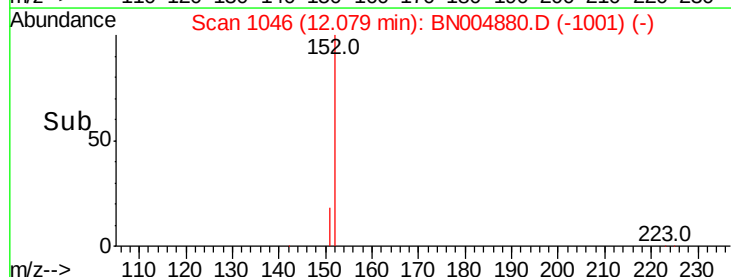
2000

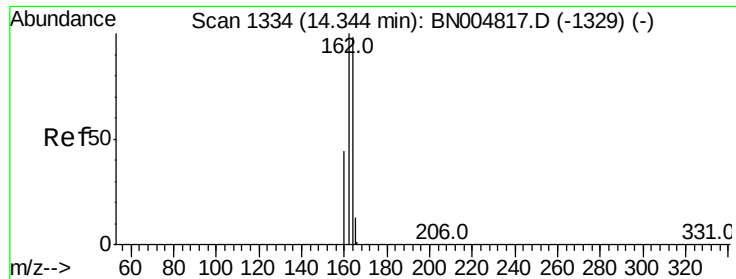
1000

0

Time-->

12.00 12.10 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

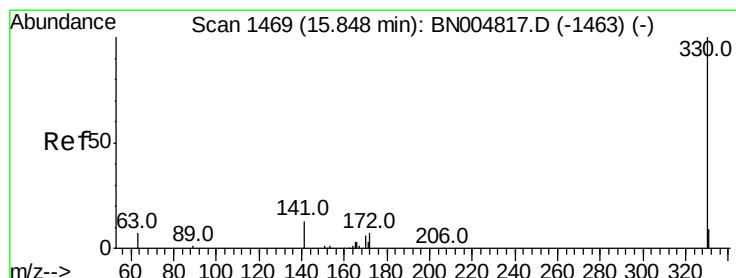
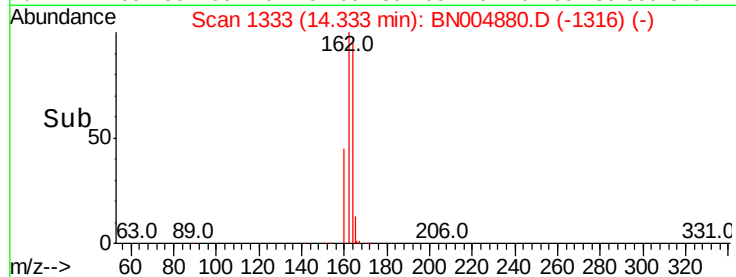
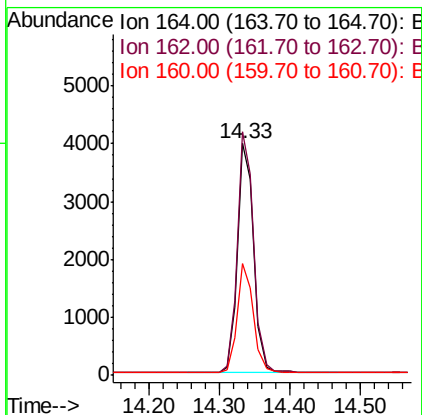
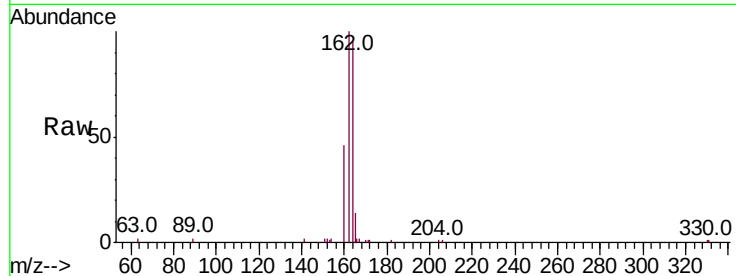
ClientSampleId :

PST-026-B122-031819

Tot Ion:	164	Resp:	6344
Ion Ratio	Lower	Upper	
164	100		
162	105.2	81.9	122.9
160	48.2	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.625 ng

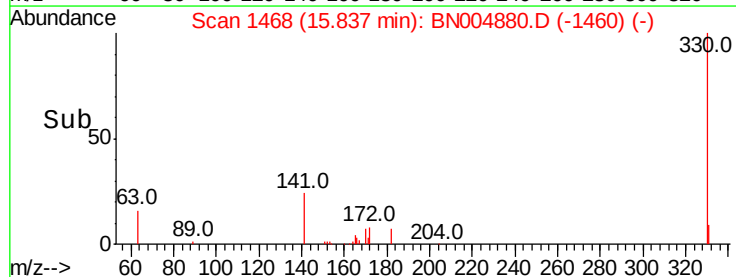
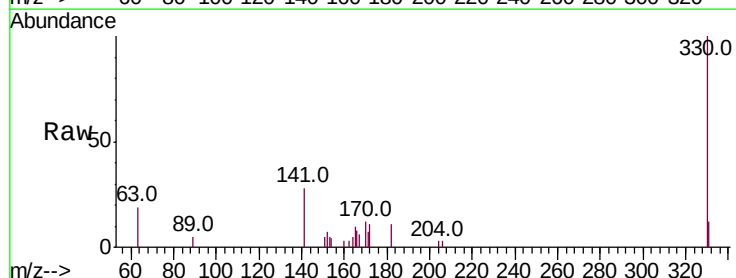
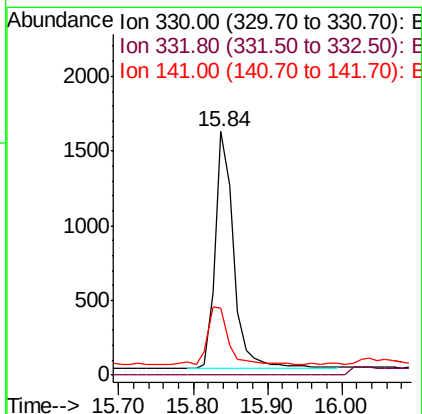
RT: 15.84 min Scan# 1468

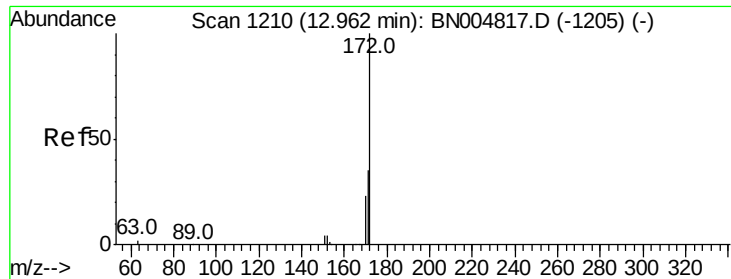
Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Tgt Ion:	330	Resp:	2738
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	27.7	20.9	31.3





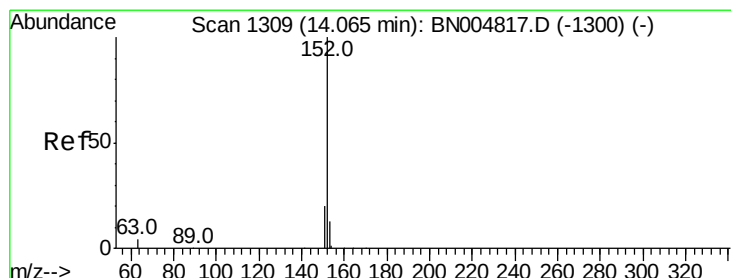
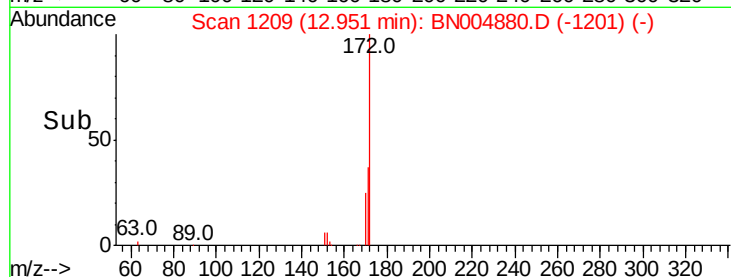
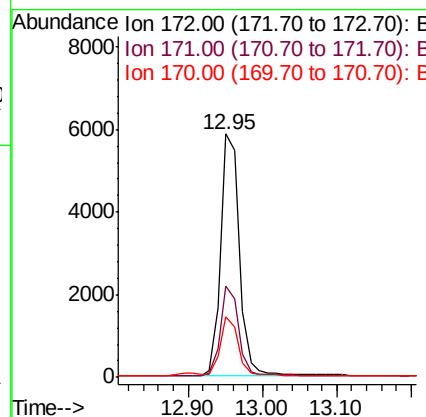
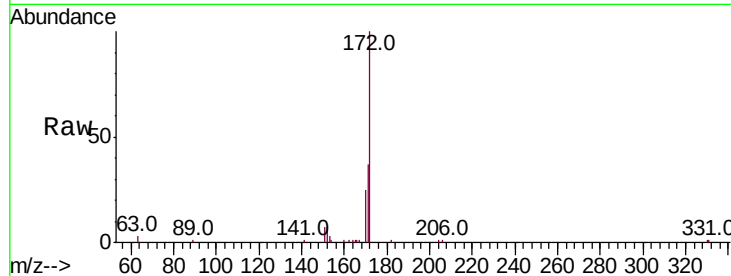
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.7	43.1
170	25.1	18.7	28.1

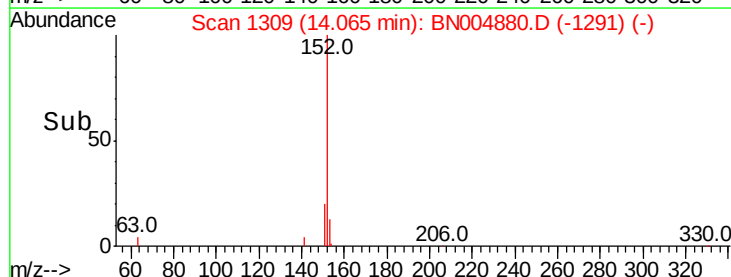
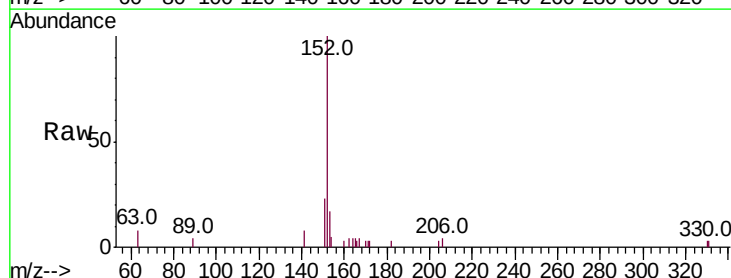
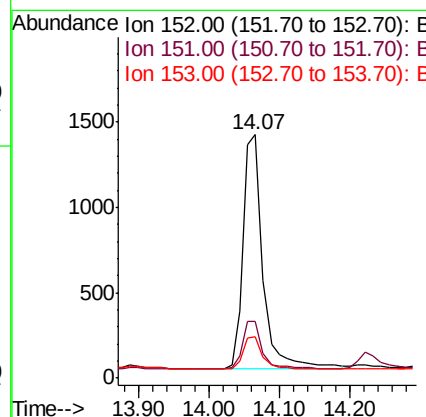
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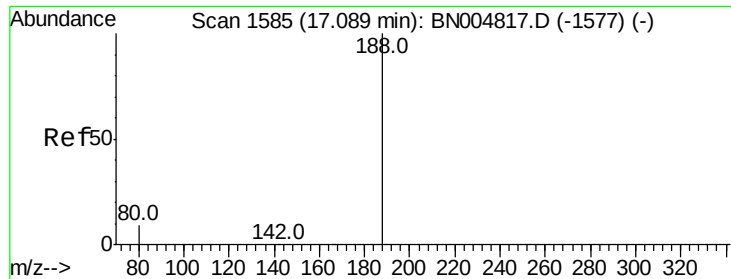
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#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.07 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	14.1	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

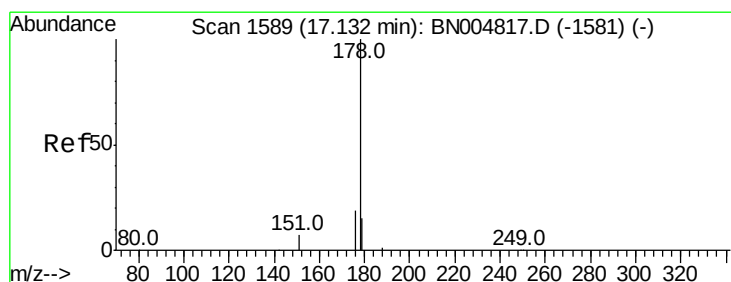
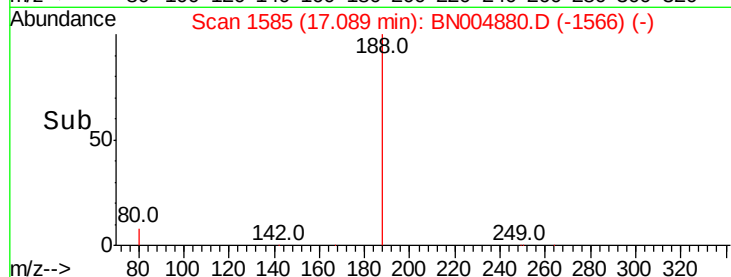
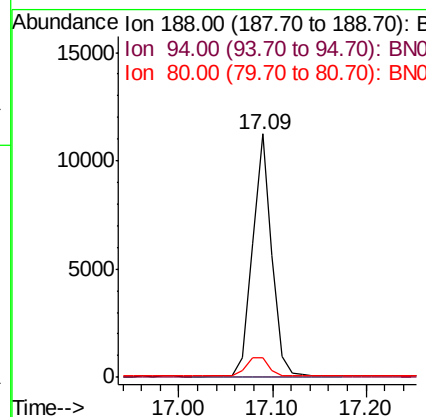
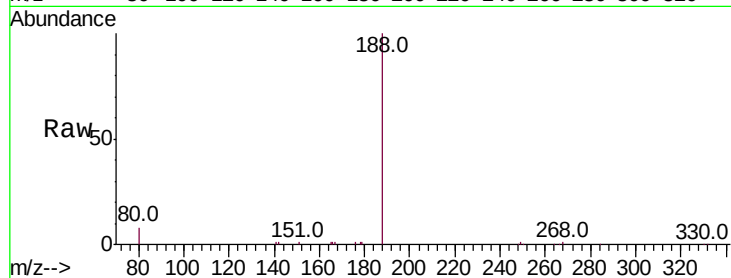
ClientSampleId :

PST-026-B122-031819

Tot Ion:	188	Resp:	16023
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.2	7.4	11.2

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#23

Phenanthrene

Concen: 0.268 ng

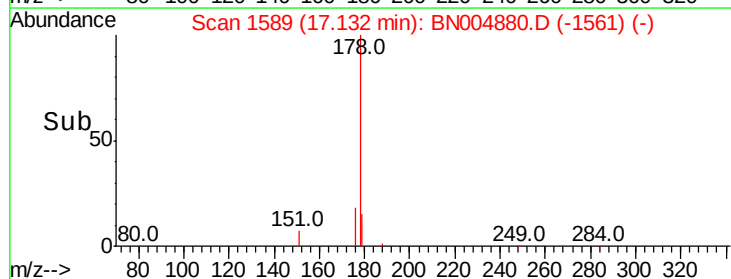
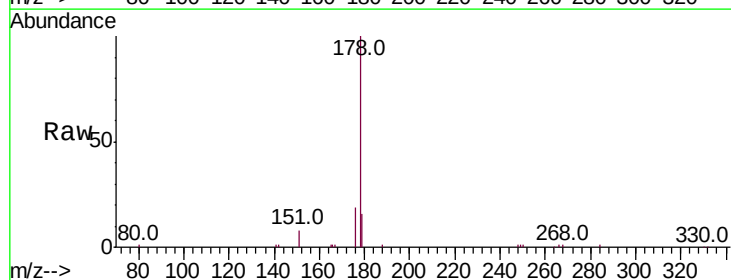
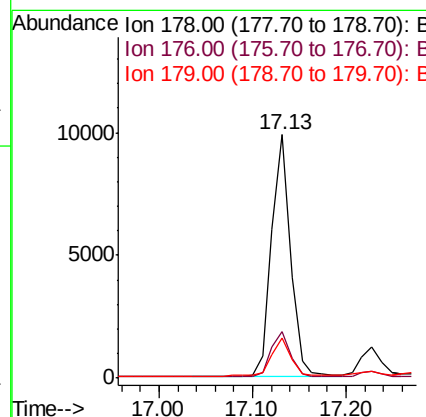
RT: 17.13 min Scan# 1589

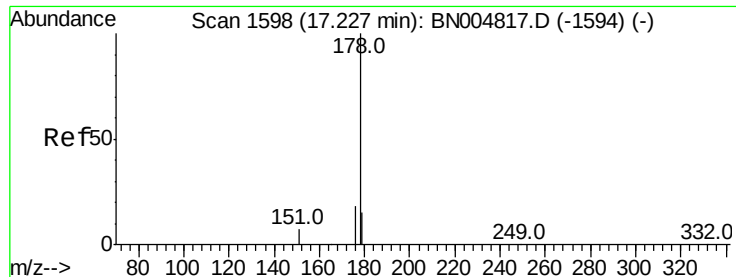
Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Tgt Ion:	178	Resp:	13868
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.8	12.1	18.1





#24

Anthracene

Concen: 0.040 ng

RT: 17.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

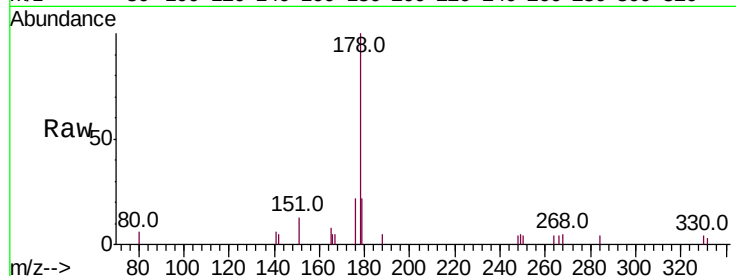
ClientSampleId :

PST-026-B122-031819

Tot Ion:	178	Resp:	1860
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.5	21.7
179	14.1	12.2	18.4

Manual Integrations
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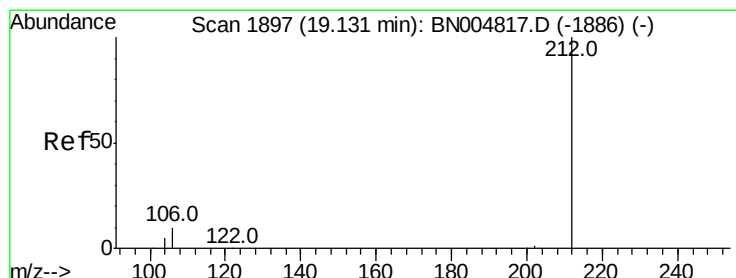
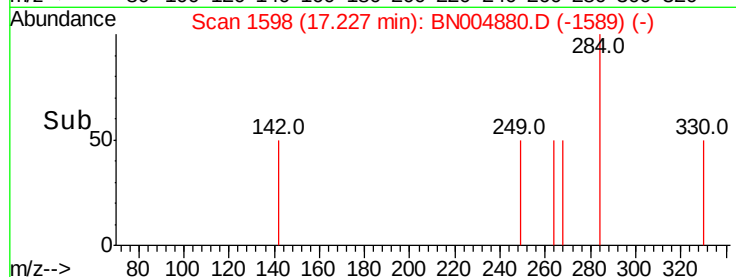
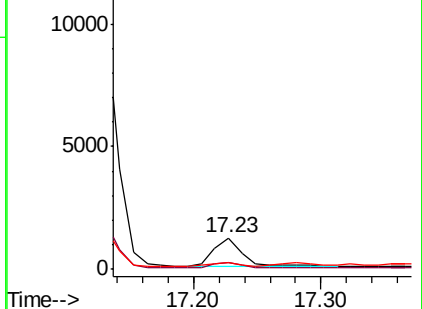
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.335 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004880.D

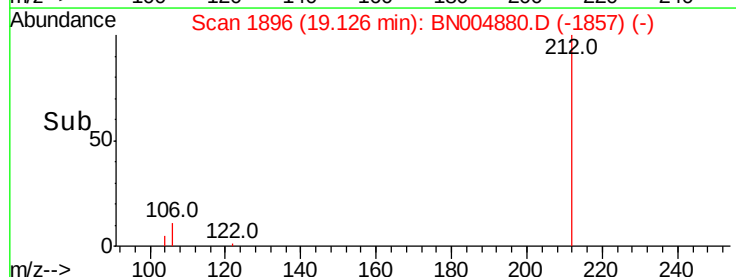
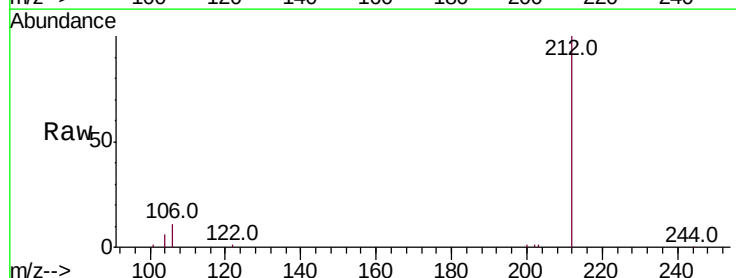
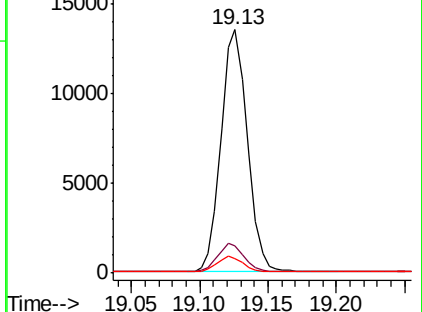
Acq: 22 Mar 2019 08:55

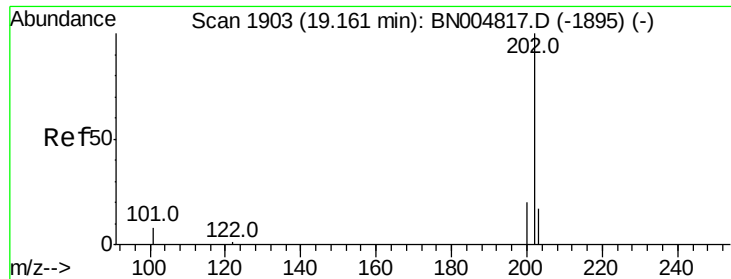
Tgt Ion:	212	Resp:	17978
Ion Ratio	Lower	Upper	
212	100		
106	11.6	8.6	13.0
104	6.4	4.7	7.1

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





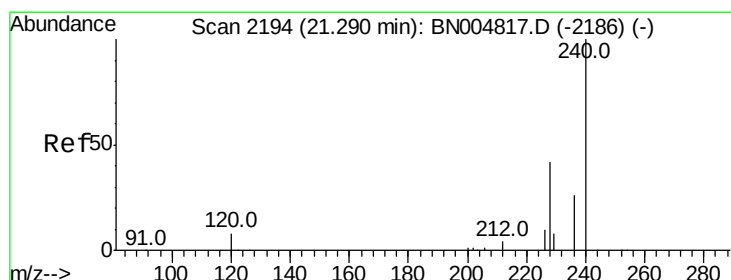
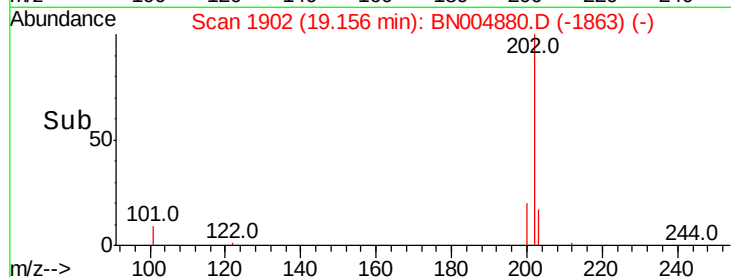
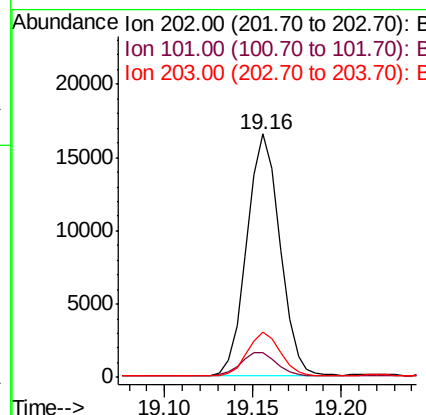
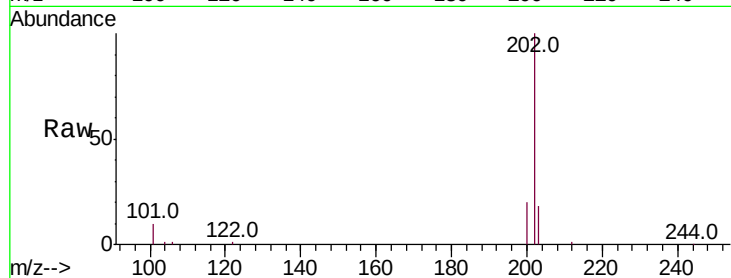
#26
 Fluoranthene
 Concen: 0.323 ng
 RT: 19.16 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: BN004880.D
 Acq: 22 Mar 2019 08:55

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.5	11.3
203	17.9	13.8	20.6

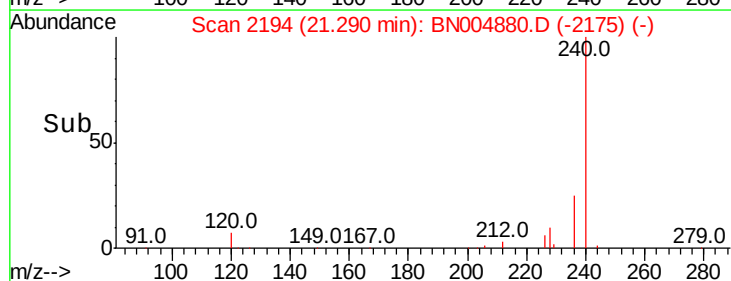
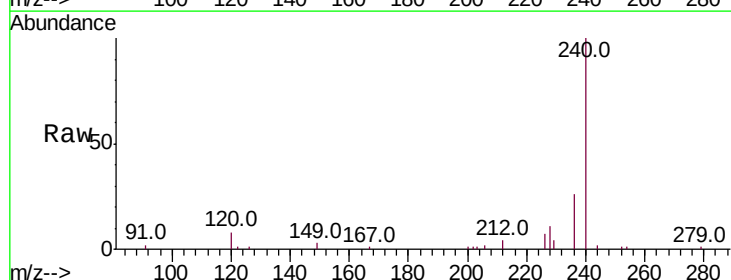
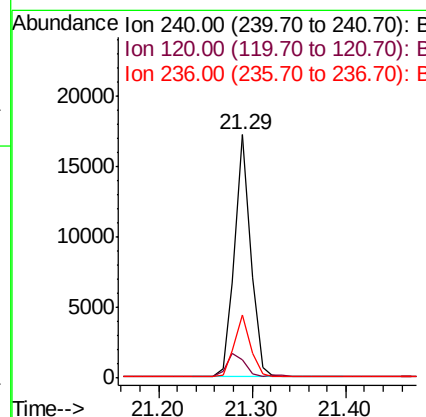
Manual Integrations
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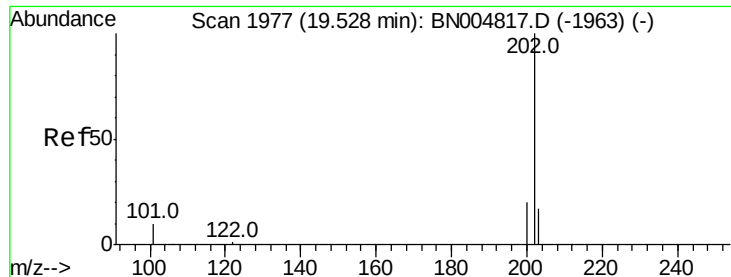
Sohil
 3/25/2019 8:52:34 AM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: BN004880.D
 Acq: 22 Mar 2019 08:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	7.2	10.8
236	25.9	20.9	31.3





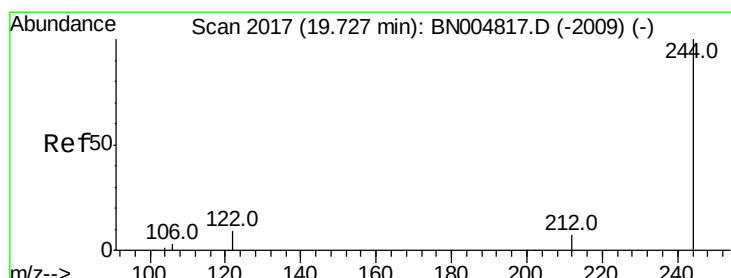
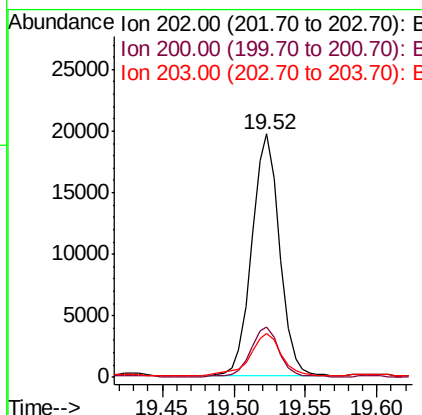
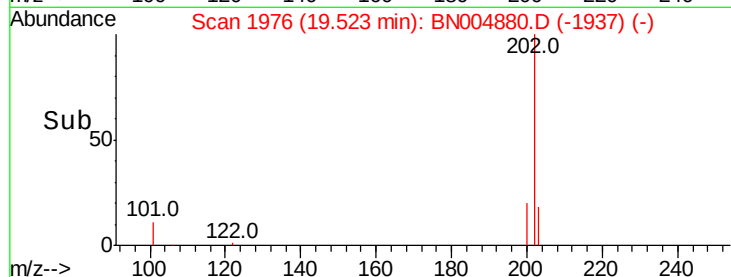
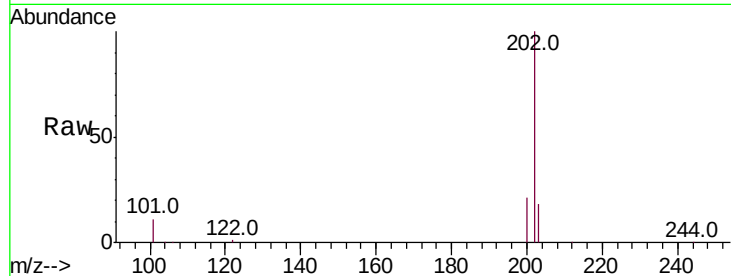
#28
Pvrene
Concen: 0.422 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	19.8	14.0	21.0

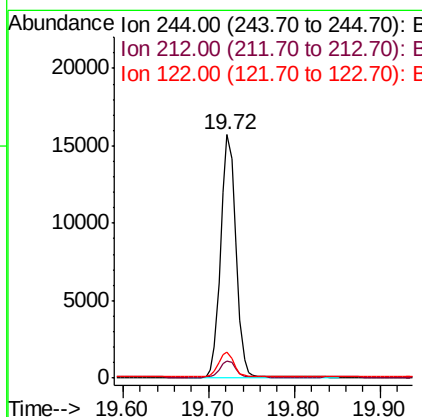
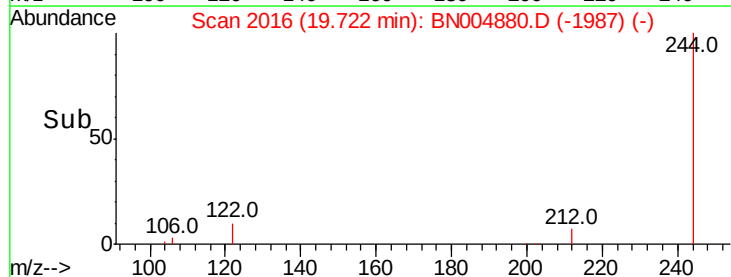
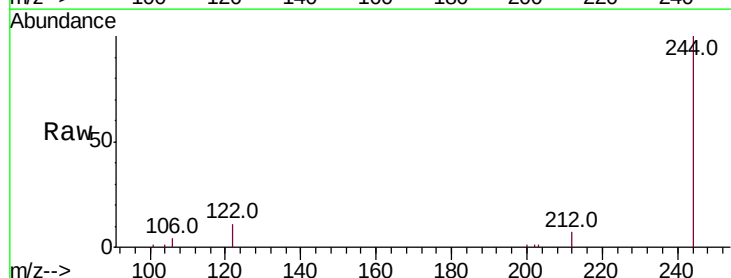
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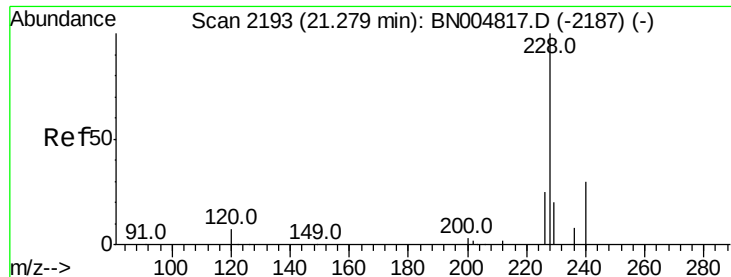
Sohil
3/25/2019 8:52:34 AM



#29
Terphenyl-d14
Concen: 0.455 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	10.5	7.9	11.9





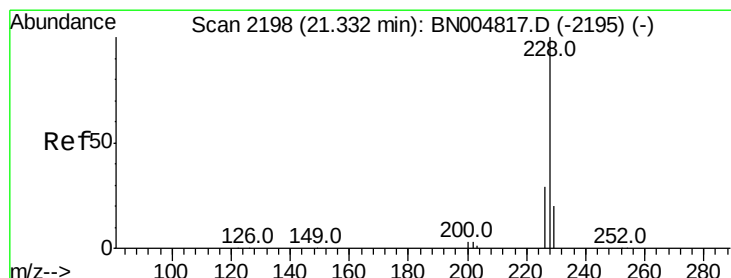
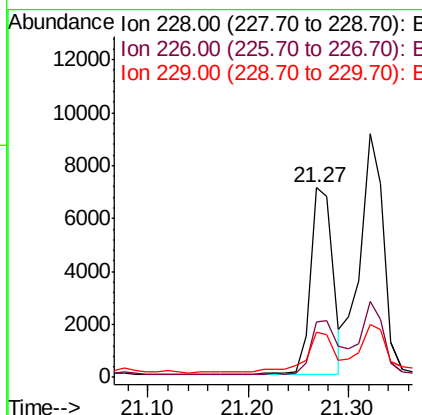
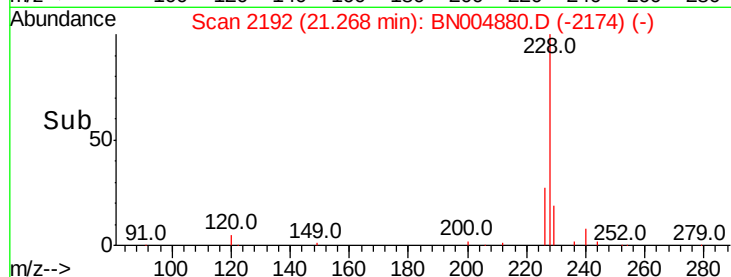
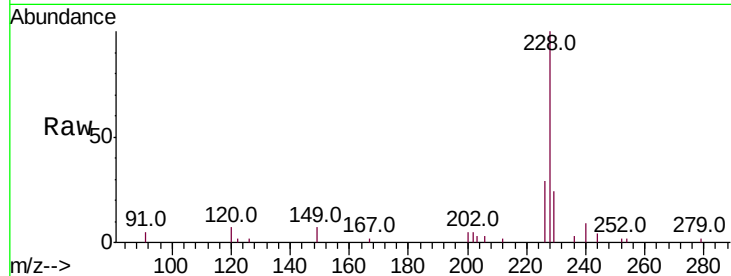
#30
Benzo(a)anthracene
Concen: 0.163 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	20.6	31.0
229	23.5	16.2	24.4

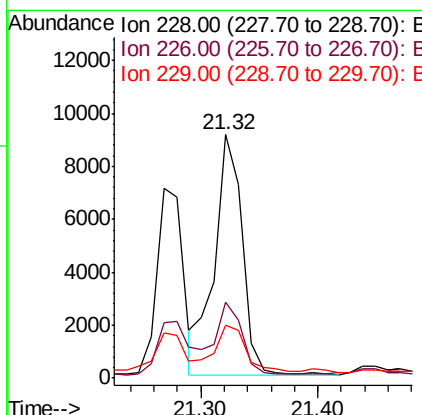
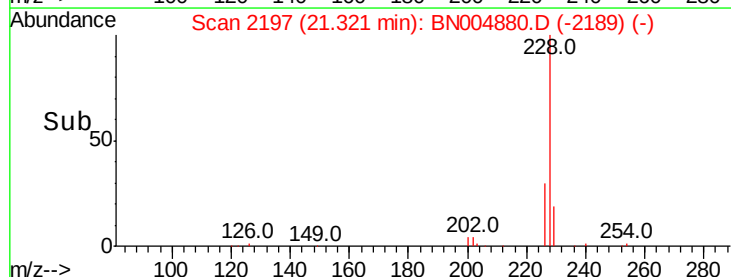
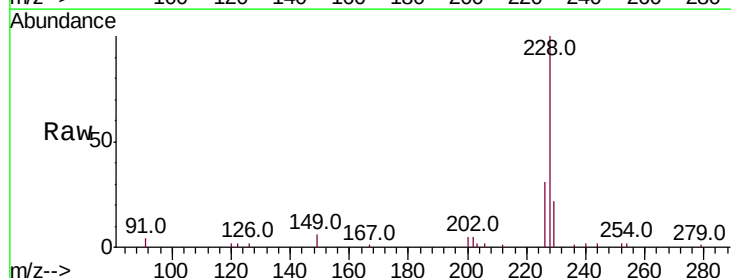
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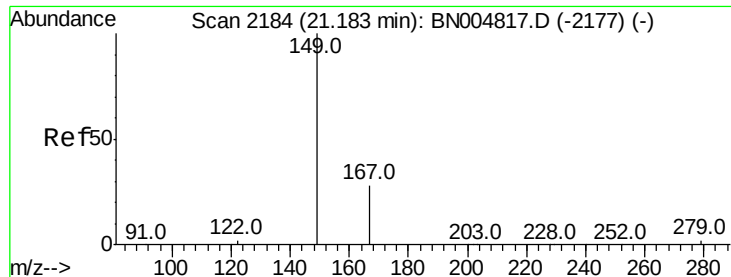
Sohil
3/25/2019 8:52:34 AM



#31
Chrysene
Concen: 0.209 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.0	34.6
229	21.9	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.158 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

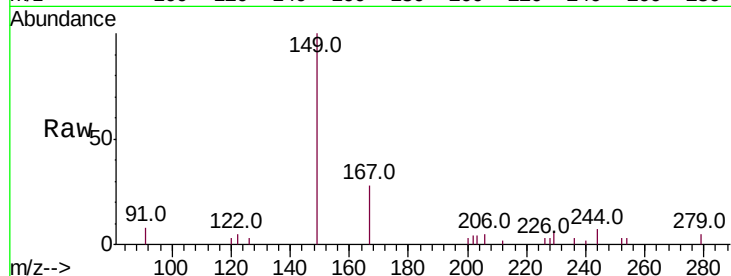
ClientSampleId :

PST-026-B122-031819

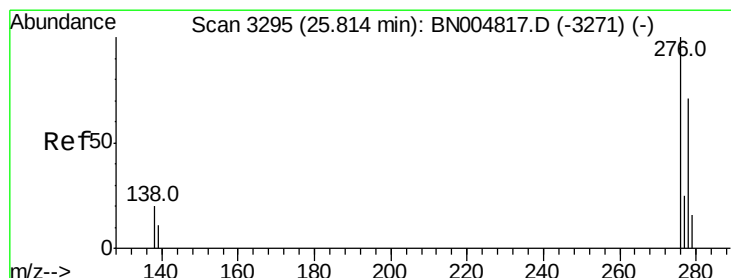
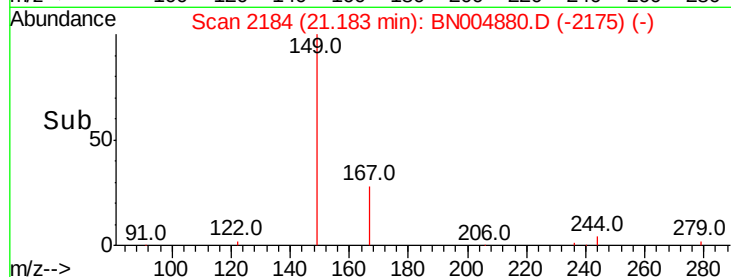
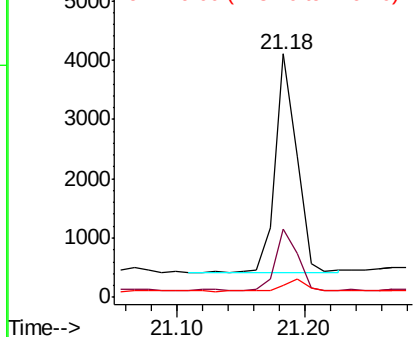
Tot Ion:	149	Resp:	4289
Ion Ratio	Lower	Upper	
149	100		
167	28.3	23.0	34.4
279	5.5	4.6	6.8

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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: 0.077 ng

RT: 25.81 min Scan# 3295

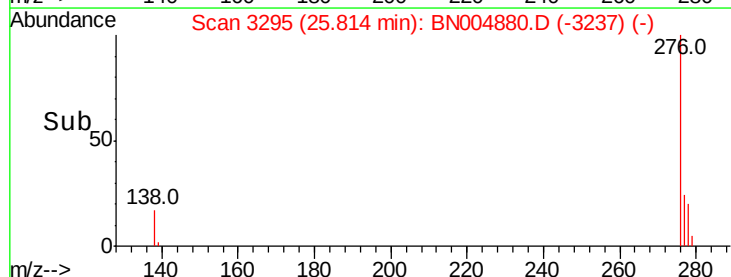
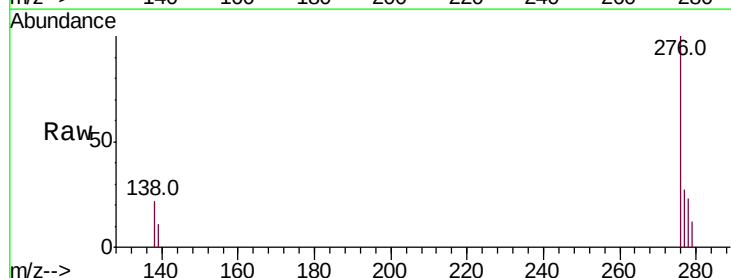
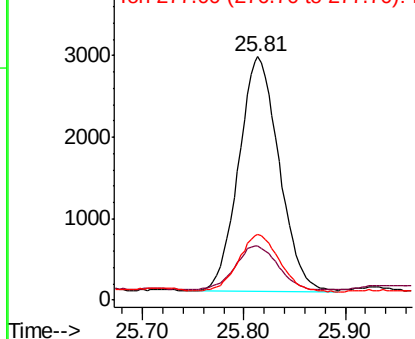
Delta R.T. 0.00 min

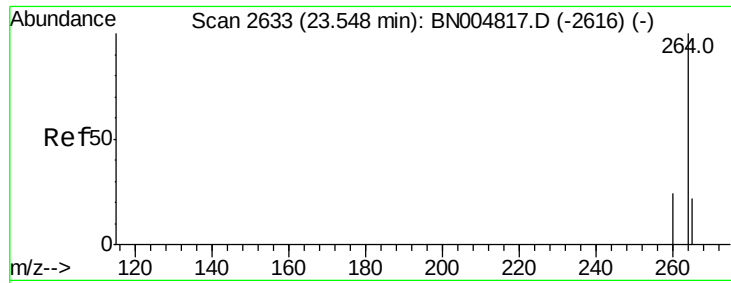
Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Tgt Ion:	276	Resp:	7995
Ion Ratio	Lower	Upper	
276	100		
138	19.5	16.6	24.8
277	24.7	20.3	30.5

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





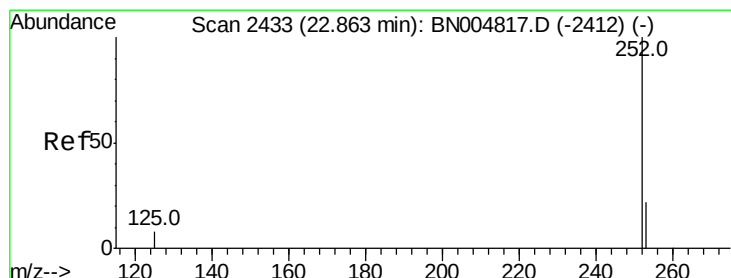
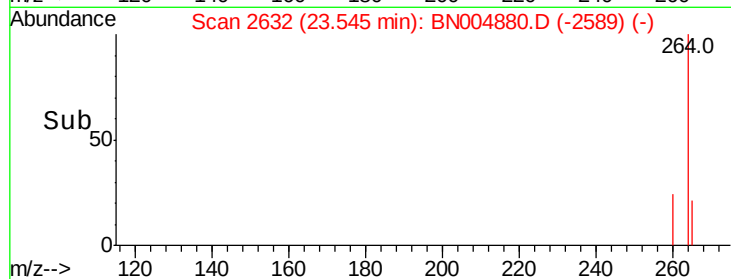
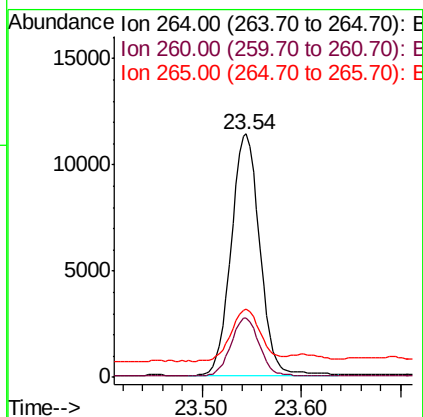
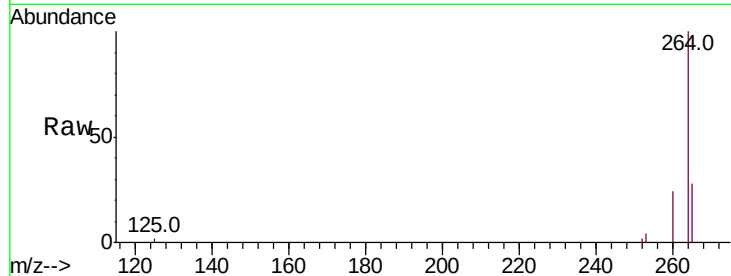
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2632
Delta R.T. -0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	28.0	23.1	34.7

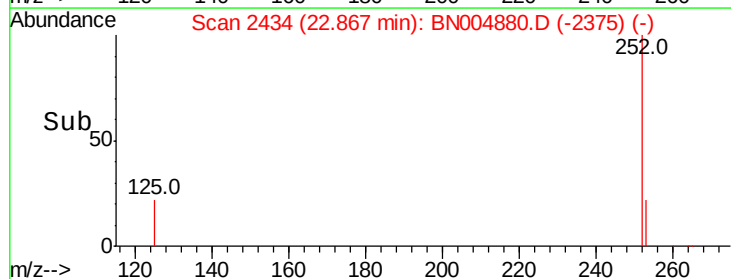
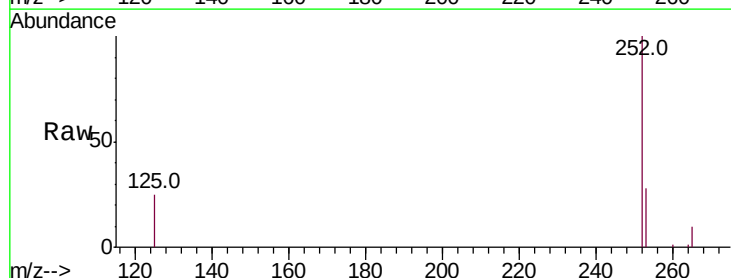
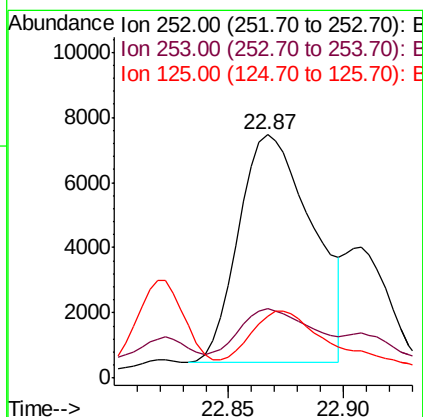
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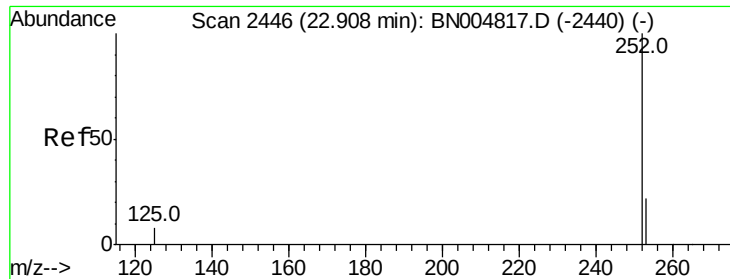
Sohil
3/25/2019 8:52:34 AM



#35
Benzo(b)fluoranthene
Concen: 0.191 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	19.0	28.4
125	25.2	7.4	11.2#





#36

Benzo(k)fluoranthene

Concen: 0.066 ng/mL

RT: 22.91 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

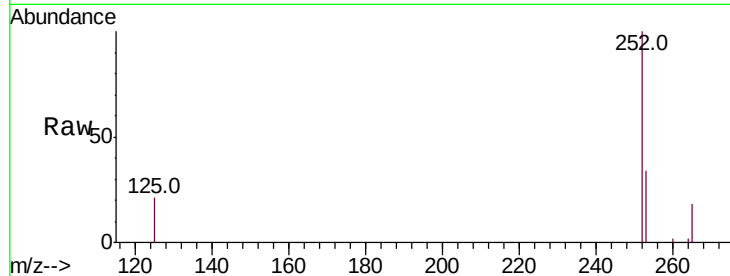
ClientSampleId :

PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.1	19.3	28.9#
125	20.7	7.4	11.0#

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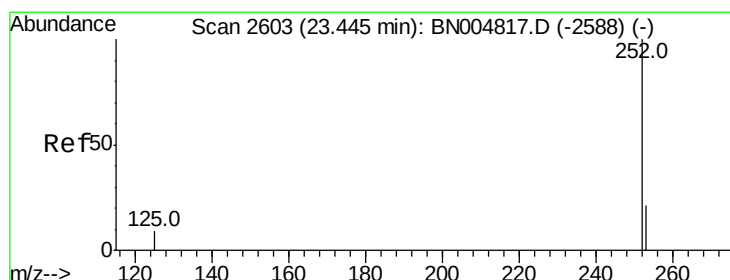
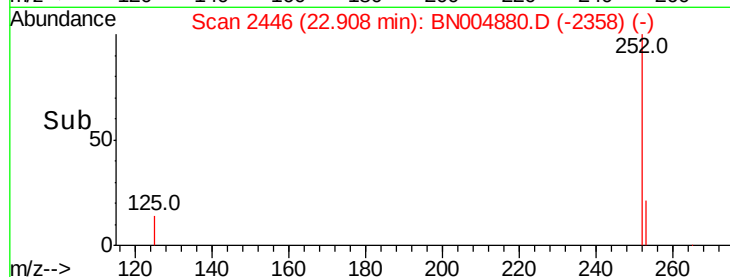
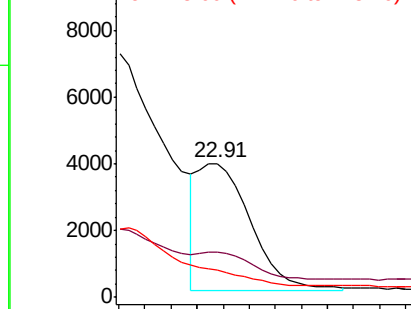


Abundance

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: 0.160 ng/mL

RT: 23.45 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

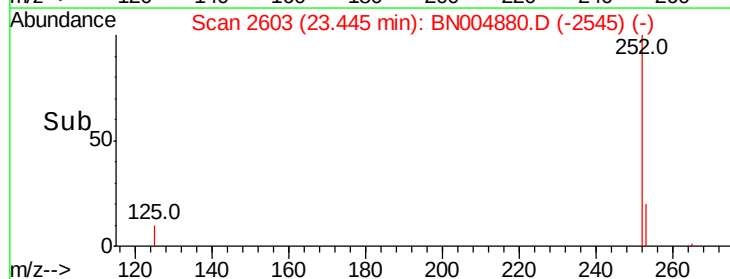
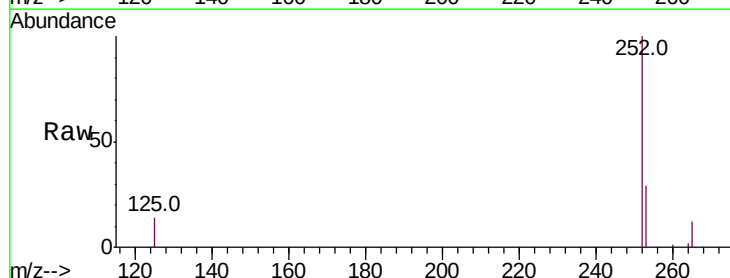
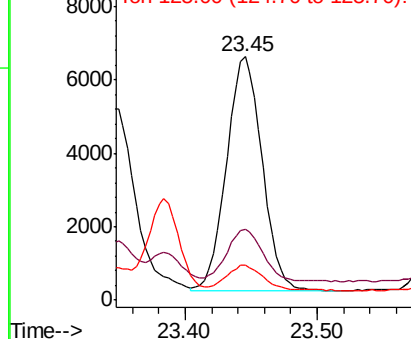
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	19.7	29.5
125	14.2	8.3	12.5#

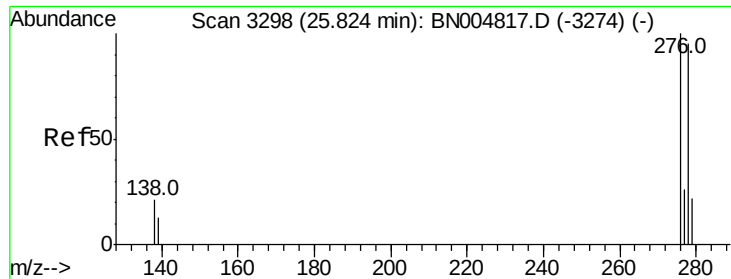
Abundance

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





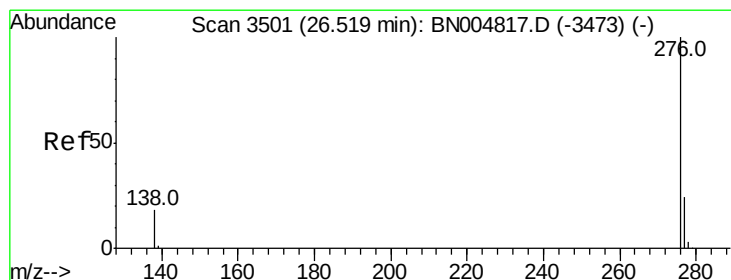
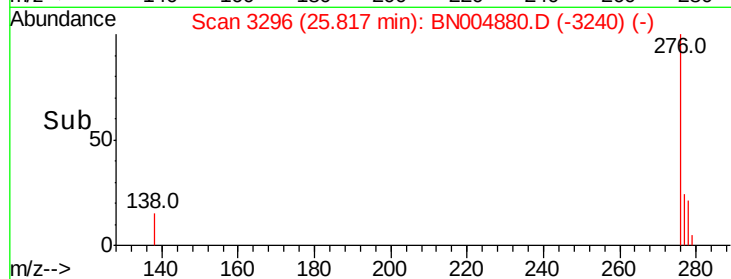
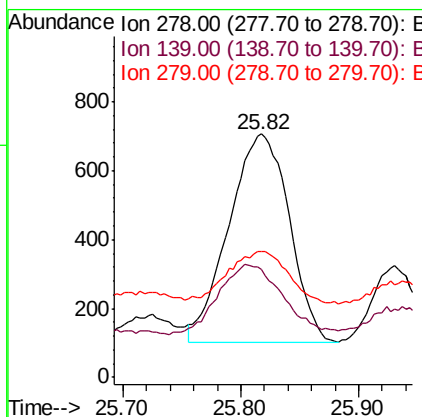
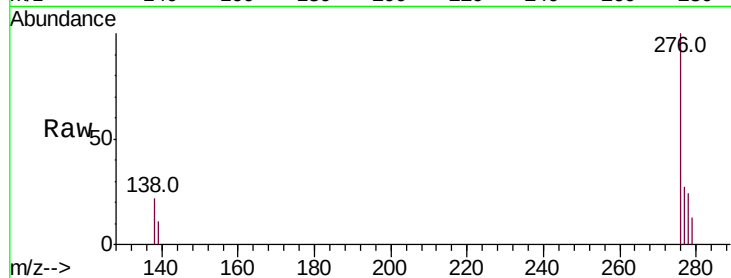
#38
Dibenzo(a,h)anthracene
Concen: 0.025 ng
RT: 25.82 min Scan# 3296
Delta R.T. -0.01 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

Tot Ion	Ratio	Lower	Upper
278	100		
139	44.1	11.7	17.5#
279	51.9	19.9	29.9#

Manual Integrations
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3/25/2019 8:52:34 AM



#39
Benzo(g,h,i)perylene
Concen: 0.097 ng
RT: 26.52 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.7	29.5
138	22.1	14.6	22.0#

