

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004895.D
 Acq On : 22 Mar 2019 21:58
 Operator : JU/SJ
 Sample : K2013-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B021-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:34 AM

Quant Time: Mar 23 03:36:08 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	2975	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	12591	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	7416	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	18206	0.40	ng	-0.01
27) Chrysene-d12	21.29	240	23269	0.40	ng	0.00
34) Perylene-d12	23.53	264	25016	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	3117	0.39	ng	0.00
5) Phenol-d6	6.86	99	4225	0.42	ng	-0.02
8) Nitrobenzene-d5	8.86	82	2848	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	6667	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2373	0.46	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	10639	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	17284	0.28	ng	-0.01
29) Terphenyl-d14	19.72	244	18907	0.40	ng	-0.01

Target Compounds				Qvalue		
16) Acenaphthylene	14.05	152	908	0.024	ng	97
23) Phenanthrene	17.12	178	11524	0.196	ng	99
24) Anthracene	17.22	178	1602	0.031	ng	# 94
26) Fluoranthene	19.15	202	20475	0.271	ng	98
28) Pyrene	19.52	202	19187	0.270	ng	97
30) Benzo(a)anthracene	21.27	228	10572	0.139	ng	95
31) Chrysene	21.32	228	11520	0.143	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	4398	0.144	ng	97
33) Indeno(1,2,3-cd)pyrene	25.80	276	7096	0.061	ng	98
35) Benzo(b)fluoranthene	22.86	252	15173	0.168	ng	# 85
36) Benzo(k)fluoranthene	22.90	252	5702m	0.064	ng	
37) Benzo(a)pyrene	23.43	252	10112	0.122	ng	# 88
39) Benzo(a,h,i)perylene	26.51	276	6868	0.070	ng	# 92

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

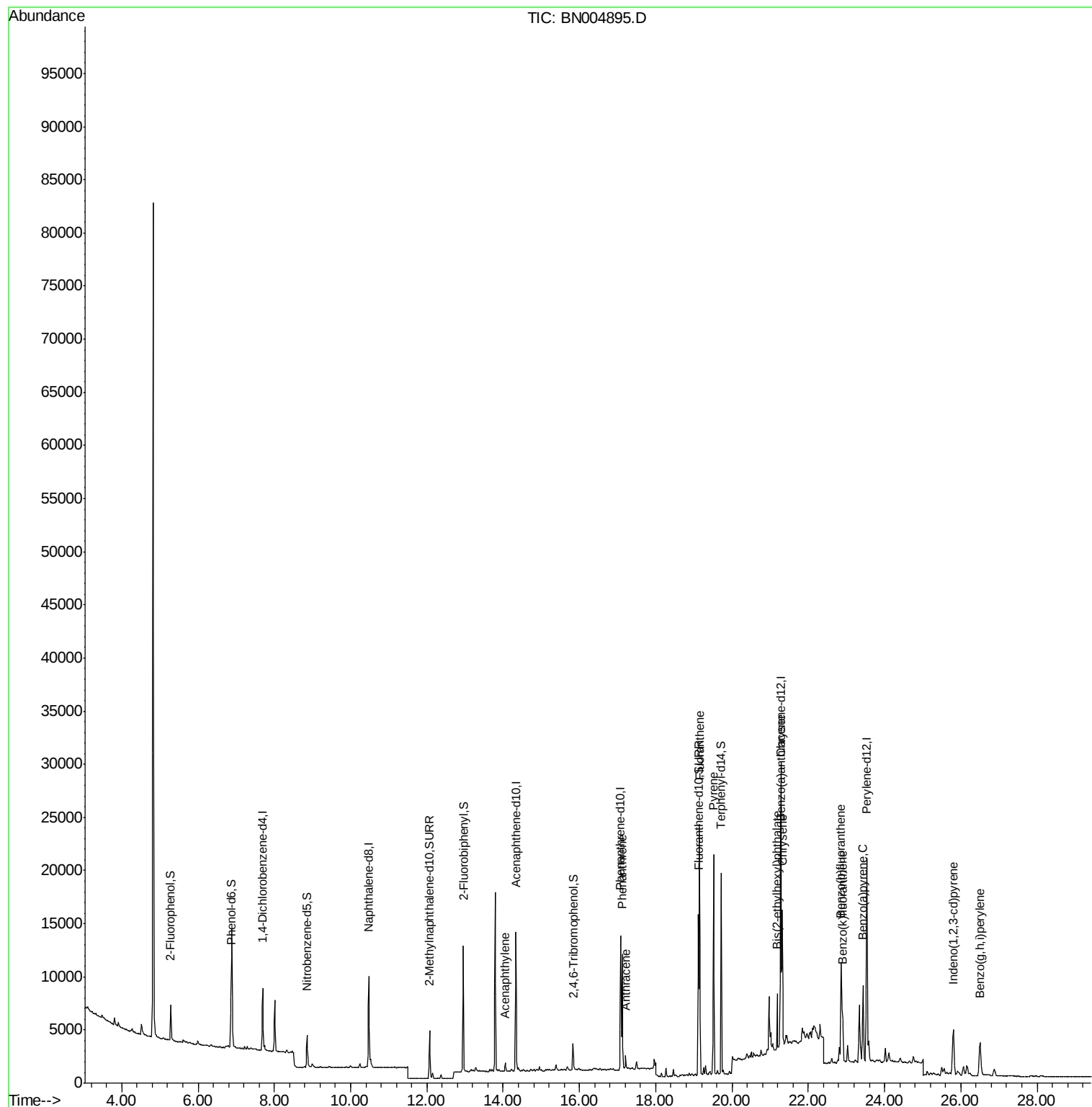
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

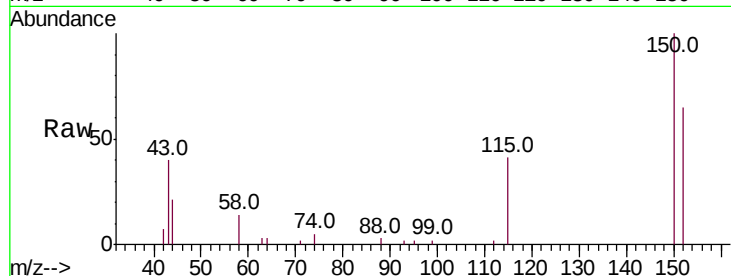
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.4
115	62.5	52.6	79.0

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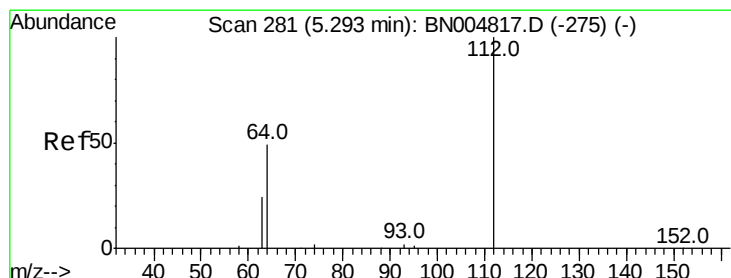
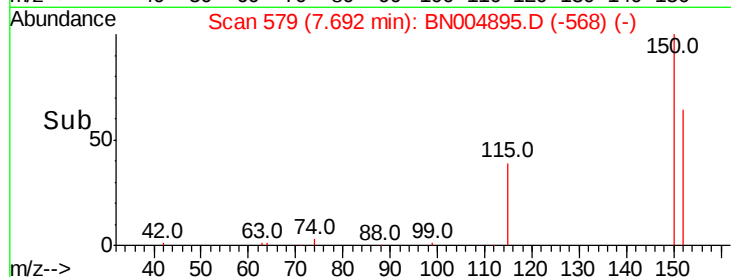
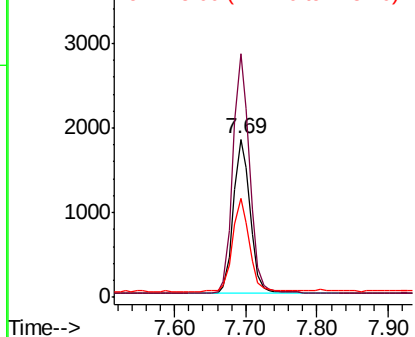


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

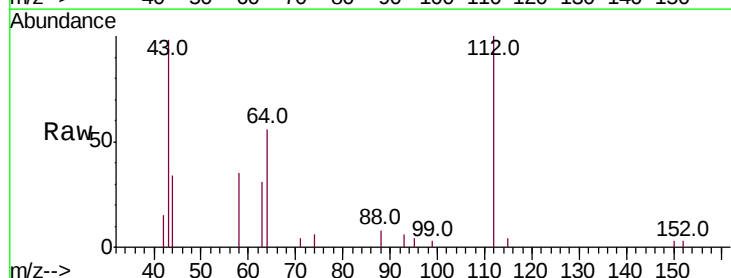
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.385 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	40.0	60.0
63	26.6	20.2	30.2

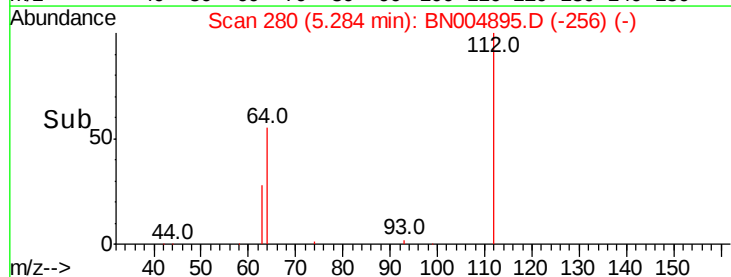
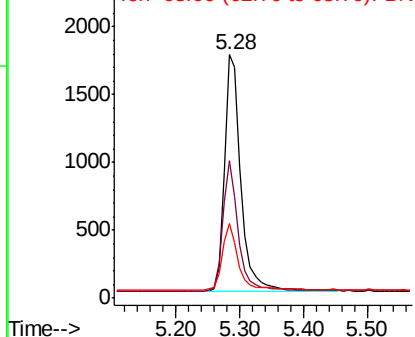


Abundance

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: 0.420 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

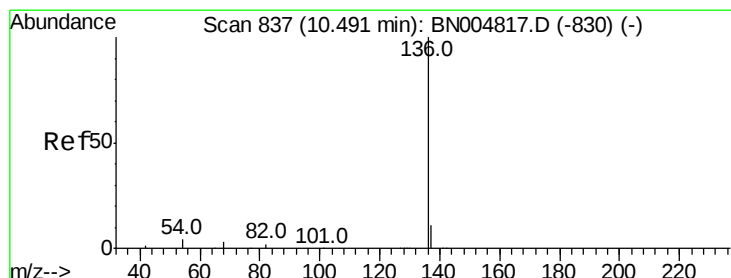
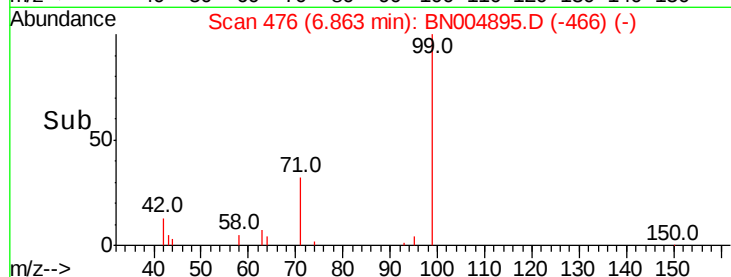
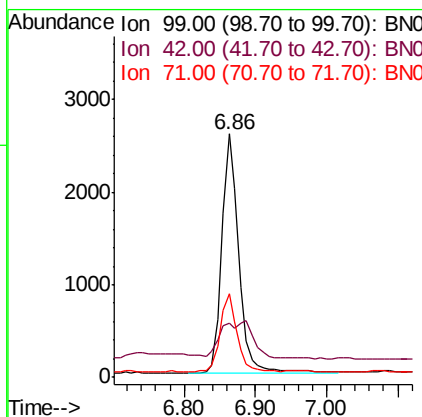
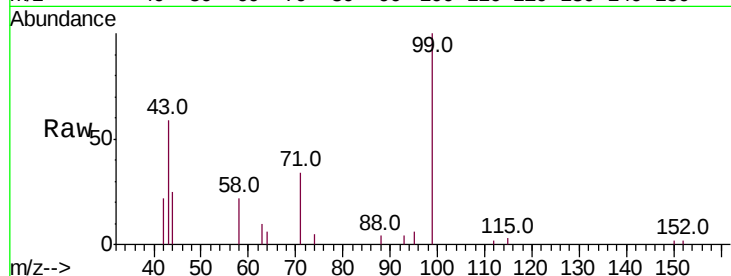
ClientSampleId :

PST-026-B021-031819

Tot Ion:	99	Resp:	4225
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.7	19.1#
71	31.6	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

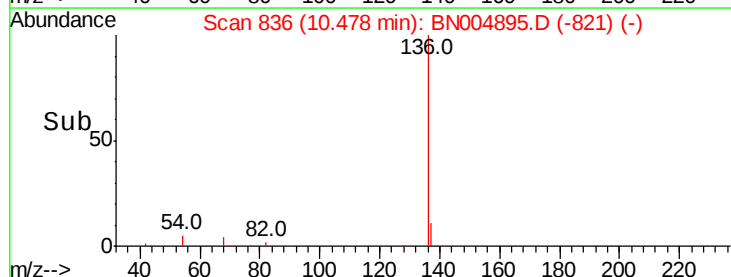
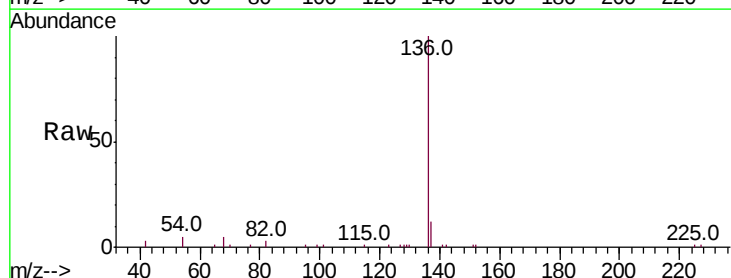
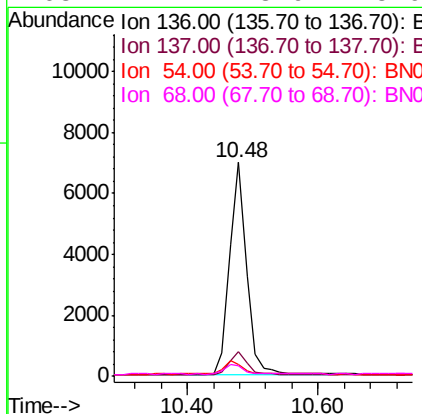
RT: 10.48 min Scan# 836

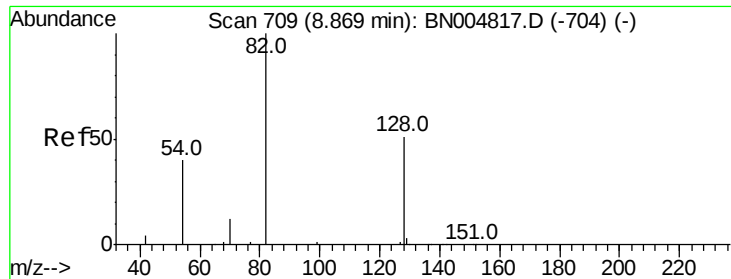
Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Tgt Ion:	136	Resp:	12591
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.6	14.4
54	5.5	4.2	6.2
68	4.7	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.342 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

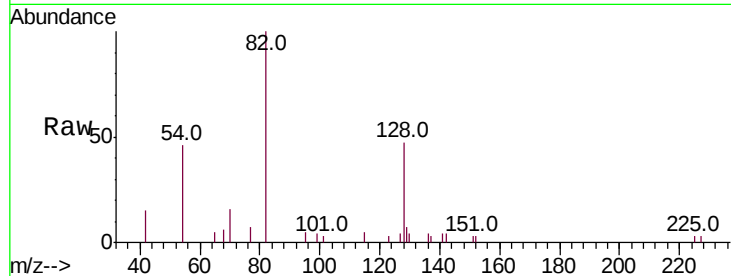
ClientSampleId :

PST-026-B021-031819

Tot Ion:	82	Resp:	2848
Ion Ratio	Lower	Upper	
82	100		
128	47.1	43.0	64.6
54	45.9	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

1500

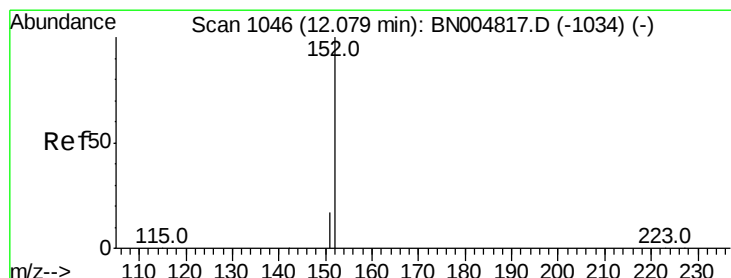
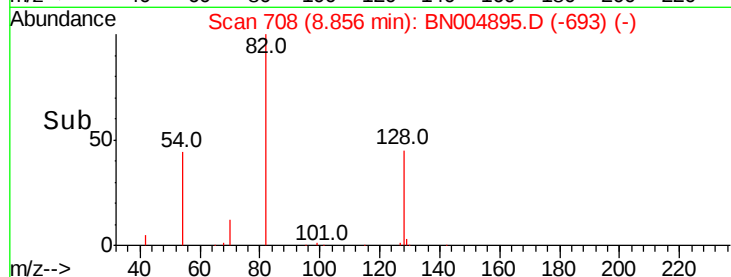
1000

500

0

8.70 8.80 8.90 9.00

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.303 ng

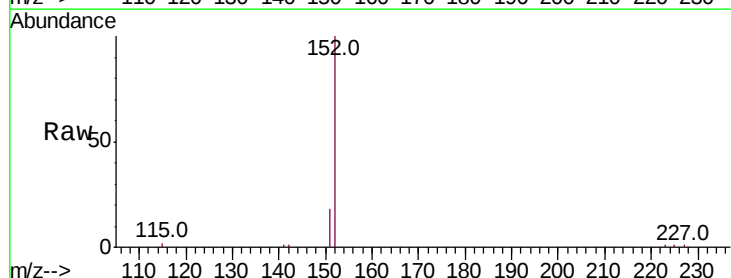
RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Tgt Ion:	152	Resp:	6667
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) (-)

12.07

4000

3000

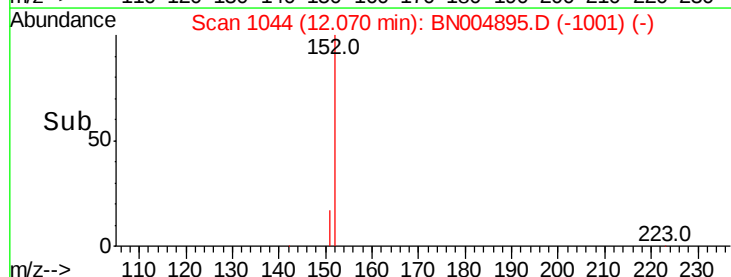
2000

1000

0

12.00 12.10 12.20

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

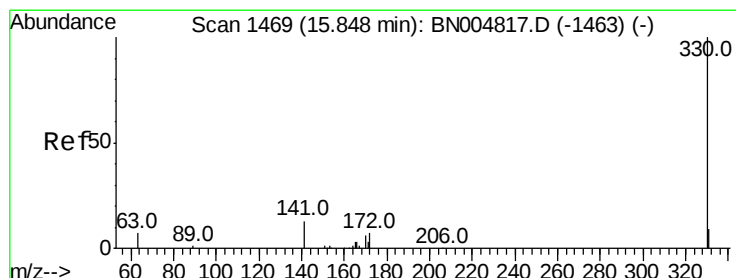
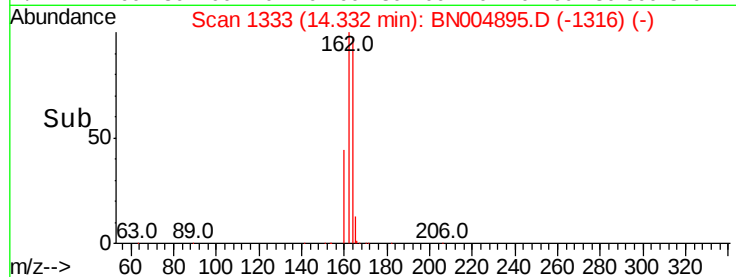
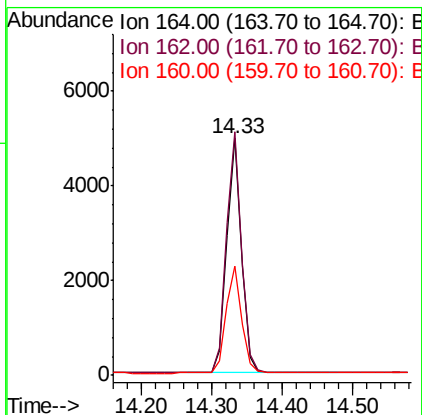
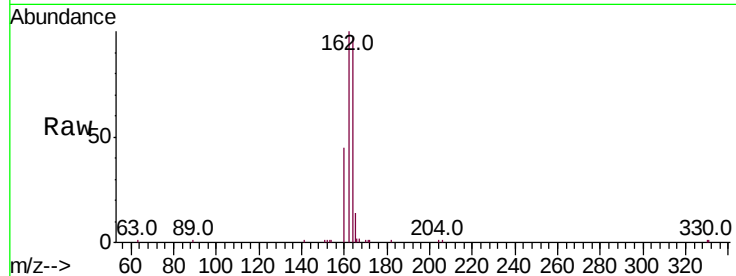
ClientSampled :

PST-026-B021-031819

Tot Ion:	164	Resp:	7416
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.9	122.9
160	46.0	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.463 ng

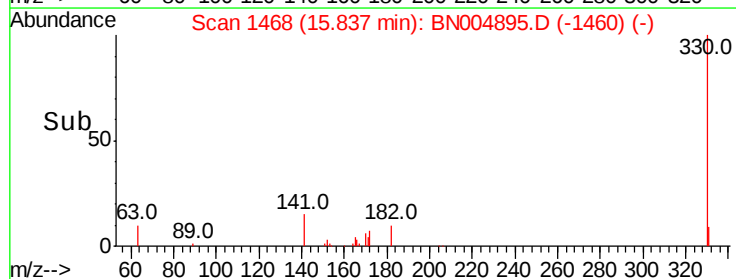
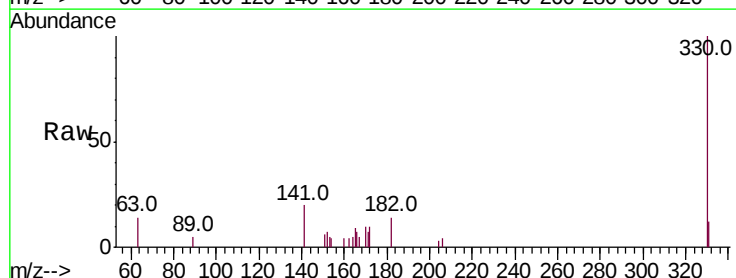
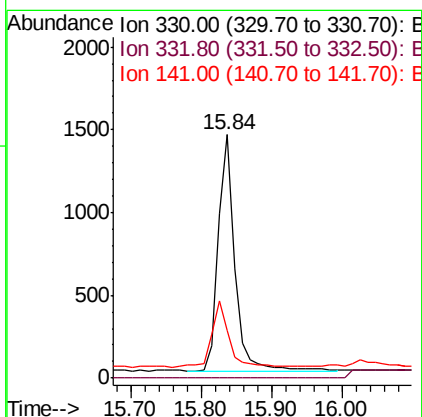
RT: 15.84 min Scan# 1468

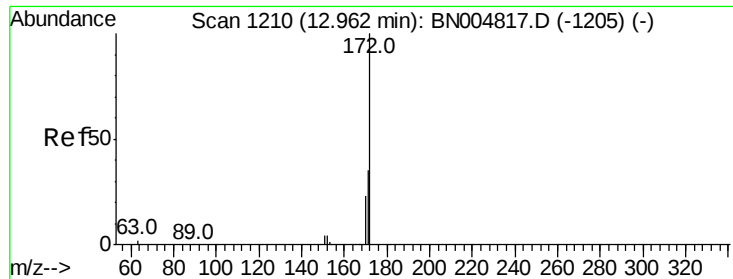
Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Tgt Ion:	330	Resp:	2373
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	28.7	20.9	31.3





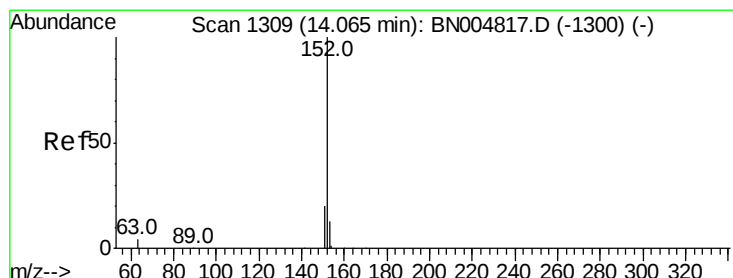
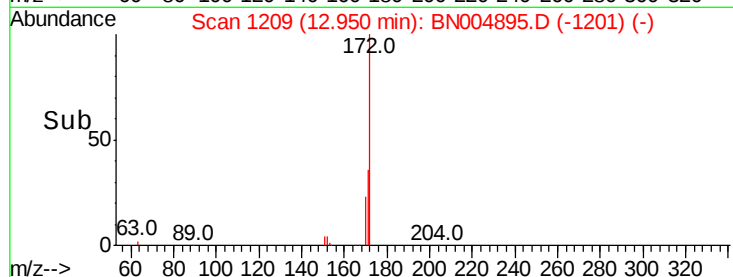
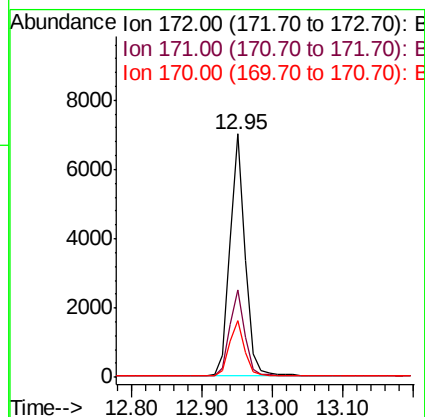
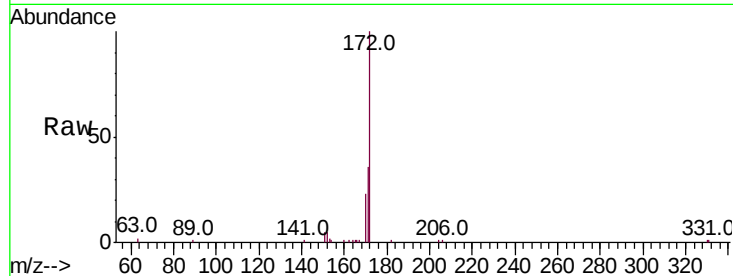
#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	23.3	18.7	28.1

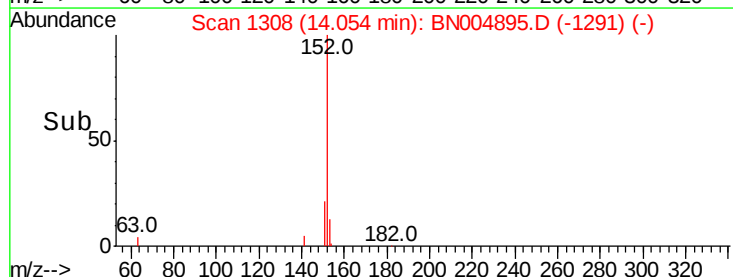
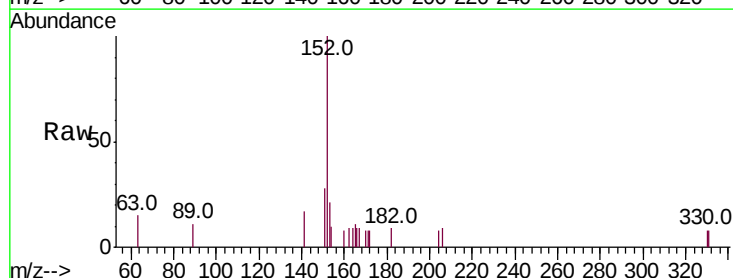
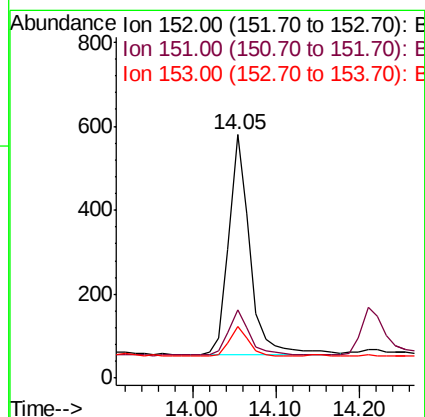
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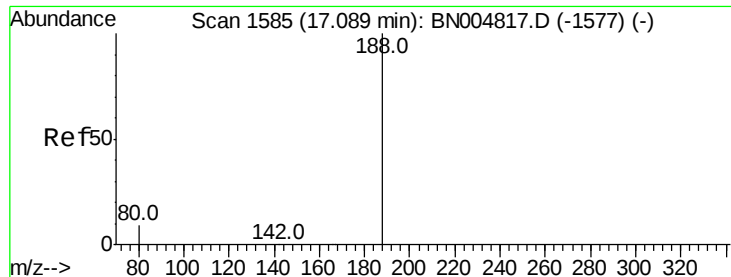
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#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.1	24.1
153	13.0	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

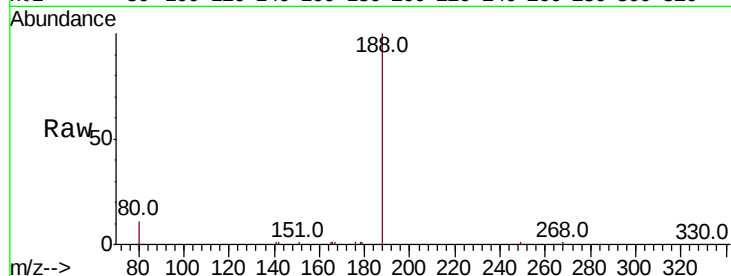
ClientSampleId :

PST-026-B021-031819

Tot Ion:	188	Resp:	18206
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.7	7.4	11.2

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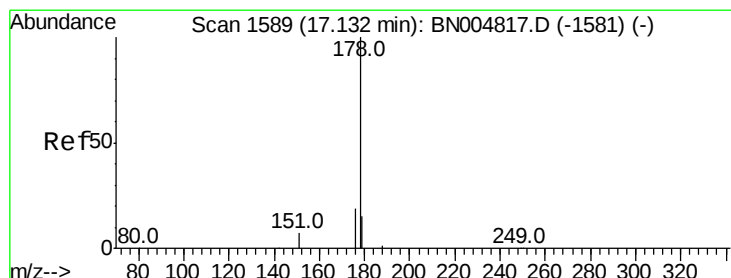
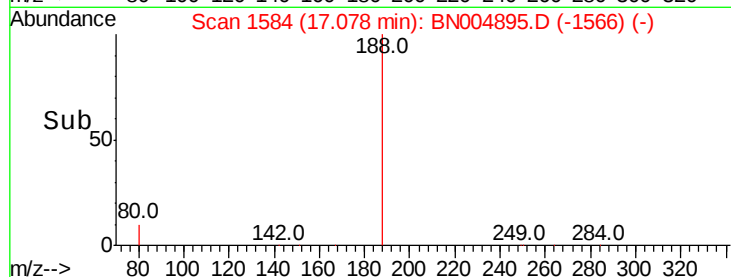
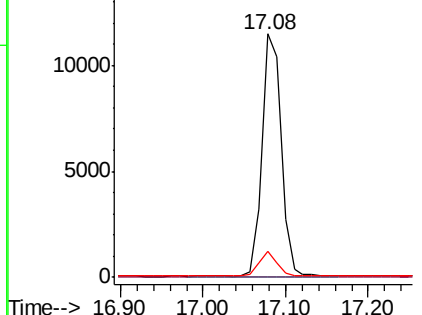
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 0.196 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004895.D

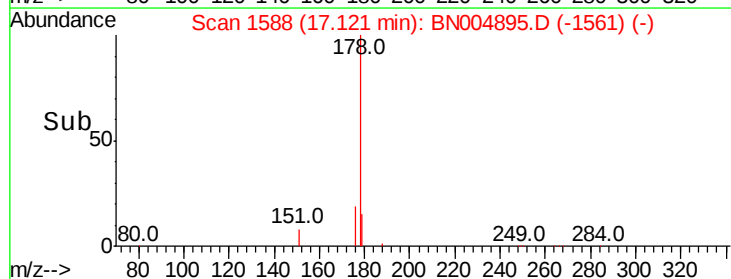
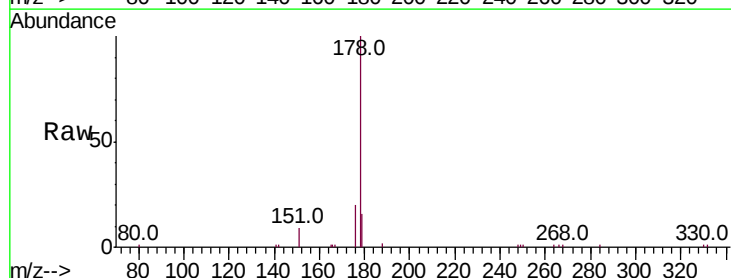
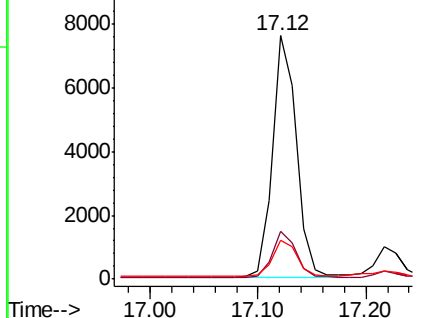
Acq: 22 Mar 2019 21:58

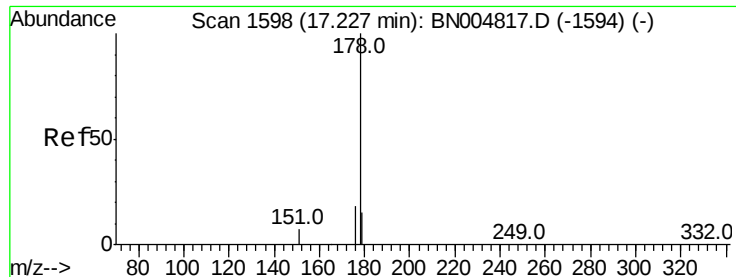
Tgt Ion:	178	Resp:	11524
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.6	12.1	18.1

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: 0.031 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

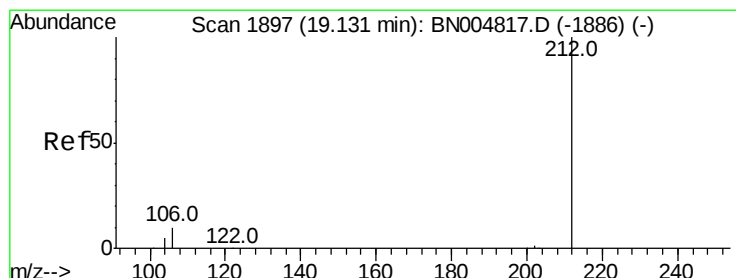
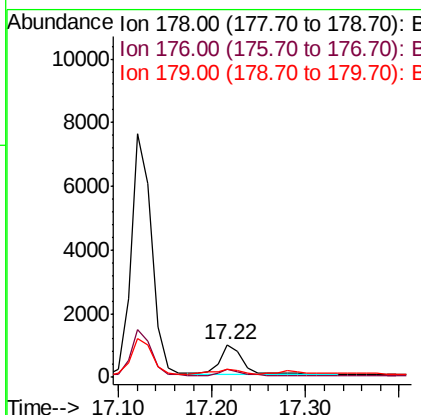
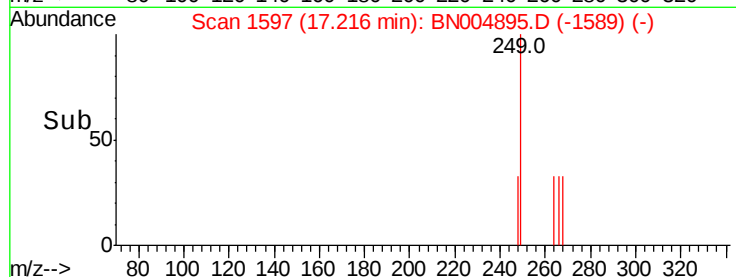
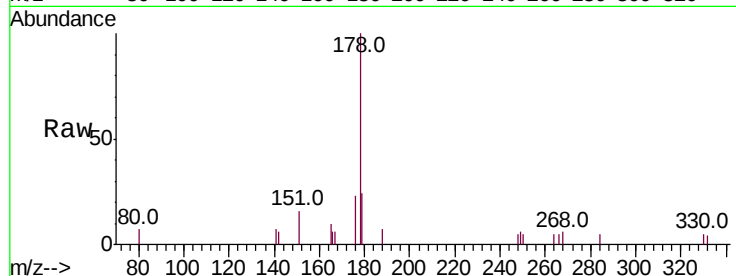
ClientSampleId :

PST-026-B021-031819

Tot Ion:	178	Resp:	1602
Ion Ratio	Lower	Upper	
178	100		
176	17.0	14.5	21.7
179	19.7	12.2	18.4#

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#25

Fluoranthene-d10

Concen: 0.284 ng

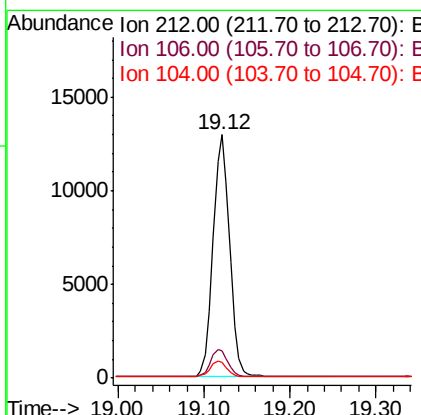
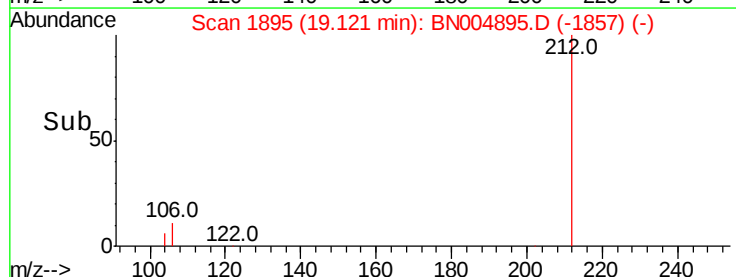
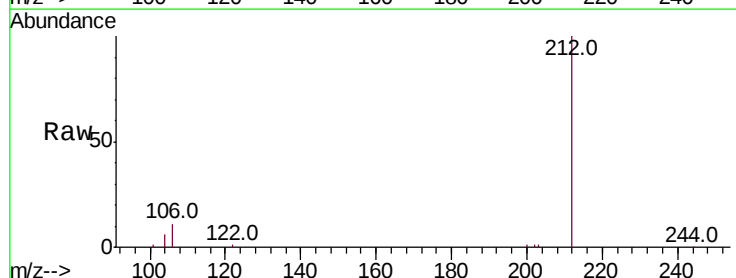
RT: 19.12 min Scan# 1895

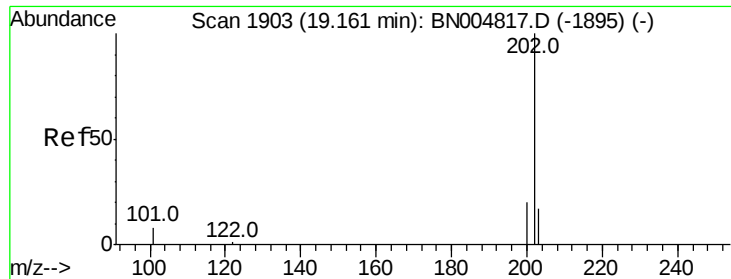
Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Tgt Ion:	212	Resp:	17284
Ion Ratio	Lower	Upper	
212	100		
106	11.8	8.6	13.0
104	6.6	4.7	7.1





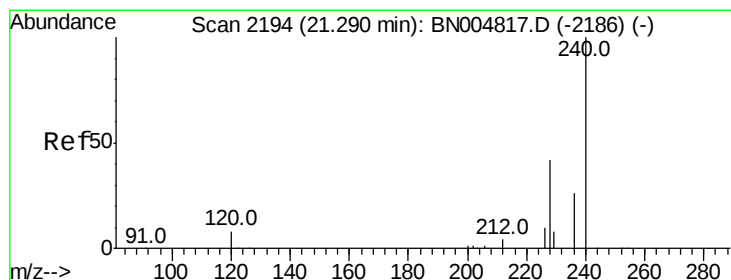
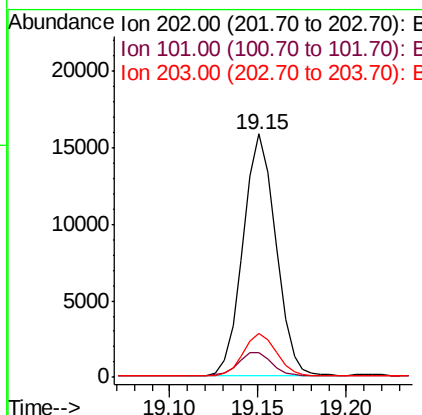
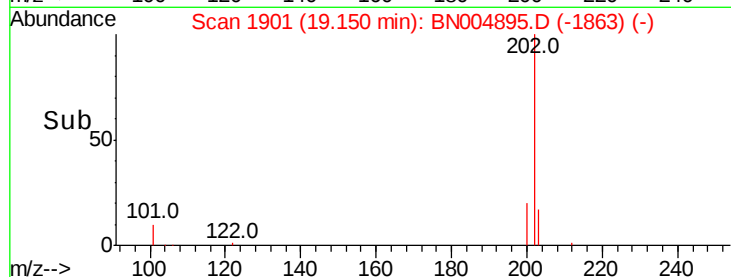
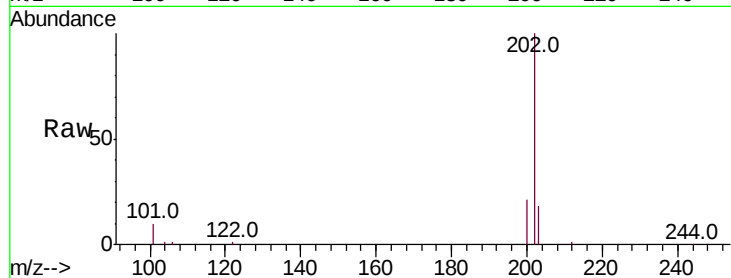
#26
Fluoranthene
Concen: 0.271 ng
RT: 19.15 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	7.5	11.3
203	17.5	13.8	20.6

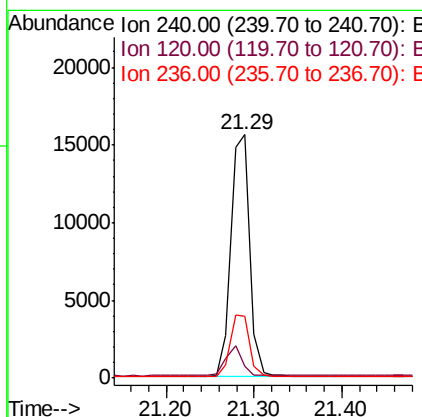
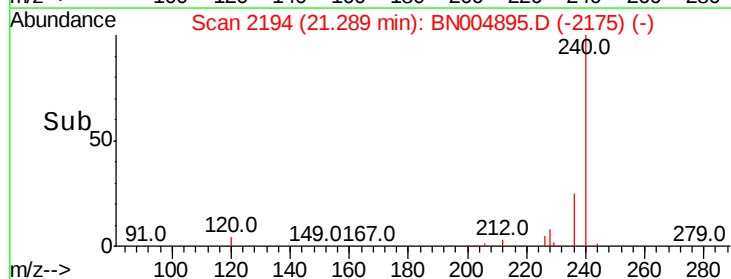
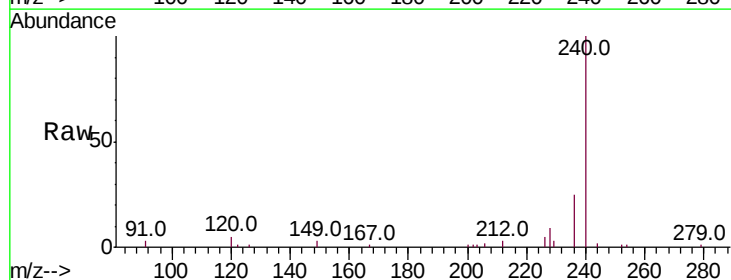
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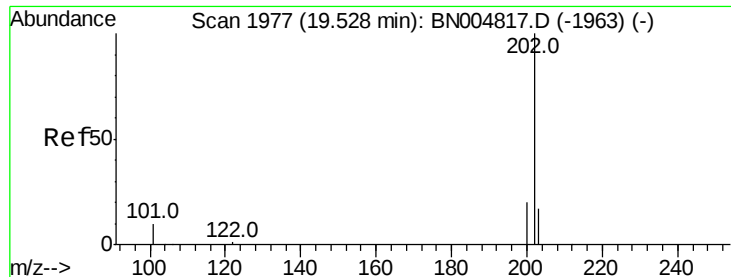
Sohil
3/25/2019 8:57:34 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.1	7.2	10.8#
236	25.2	20.9	31.3





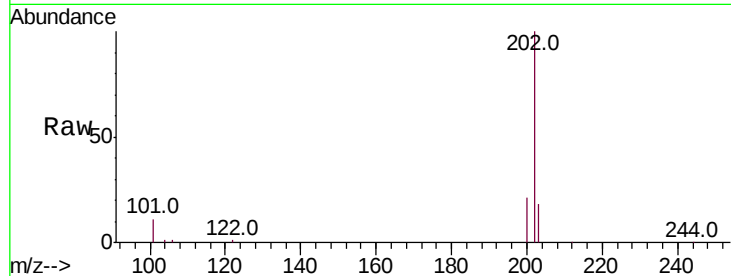
#28
Pvrene
Concen: 0.270 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	20.4	14.0	21.0

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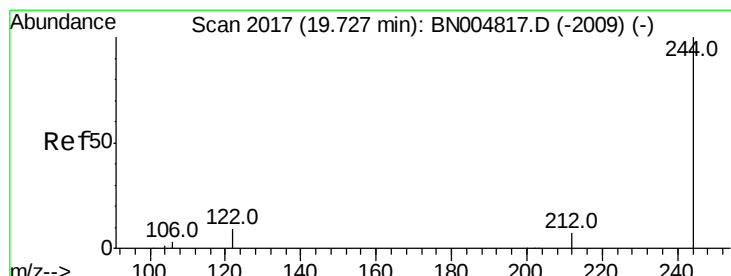
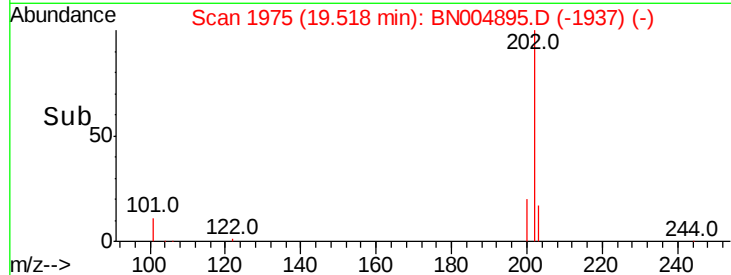
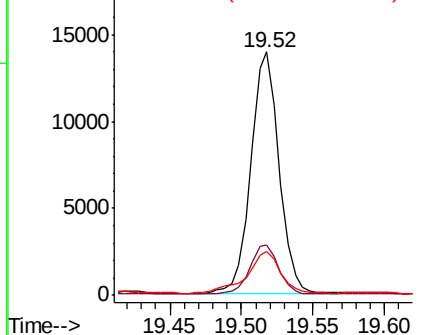


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.397 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

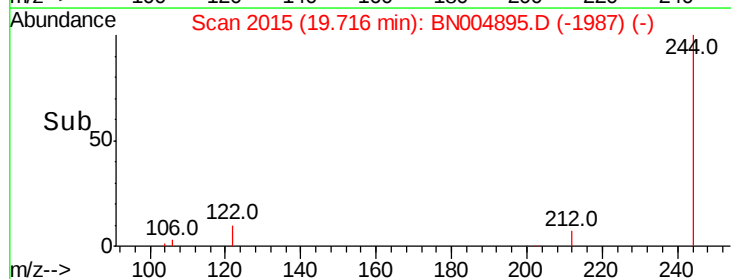
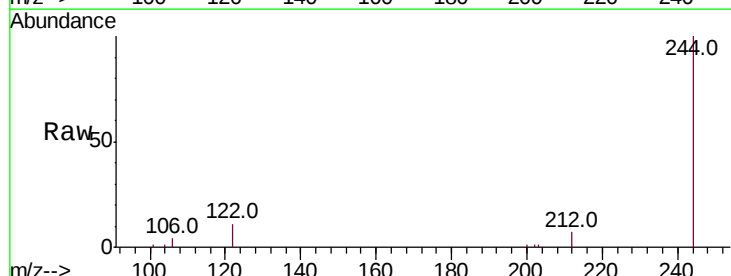
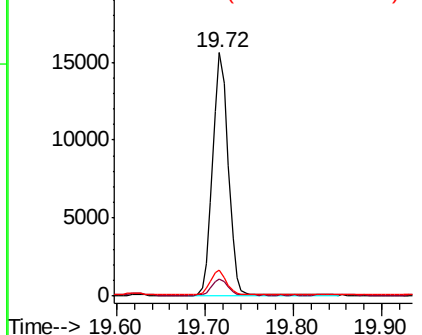
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	10.6	7.9	11.9

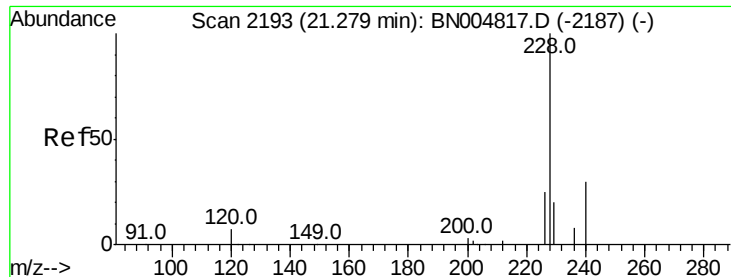
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





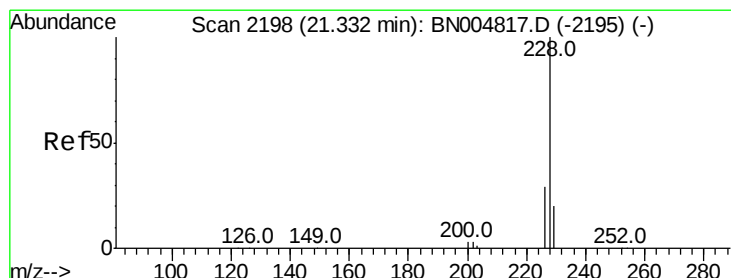
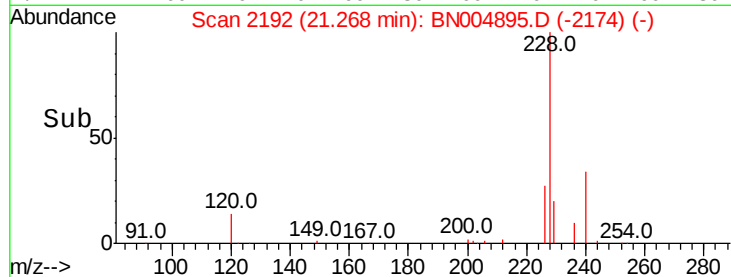
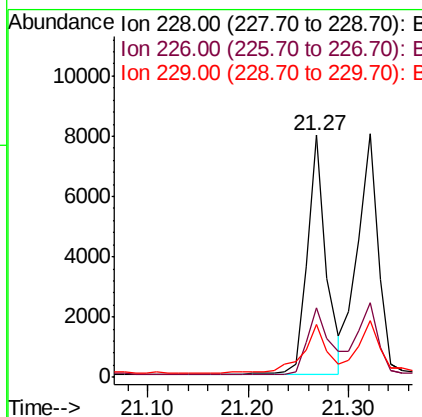
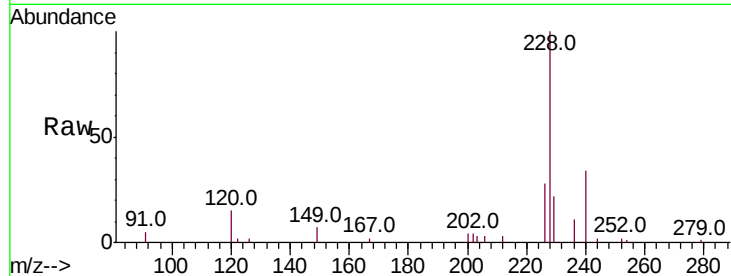
#30
Benzo(a)anthracene
Concen: 0.139 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	20.6	31.0
229	21.9	16.2	24.4

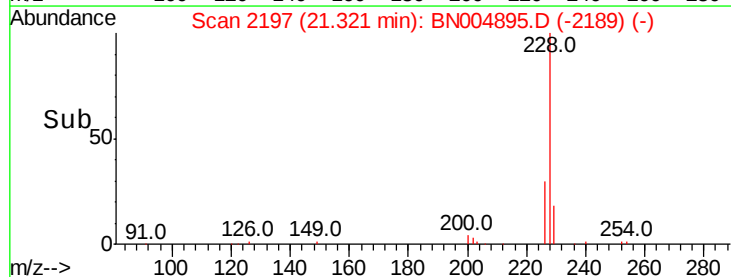
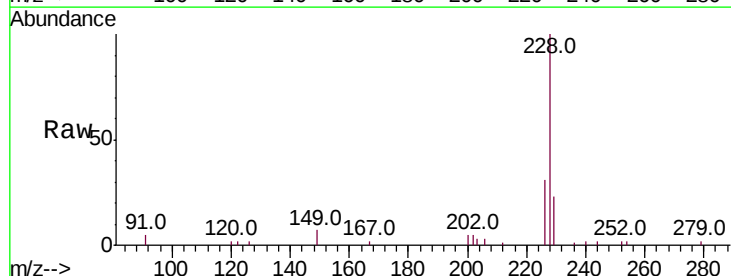
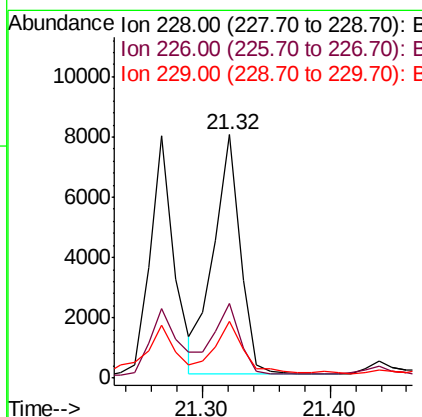
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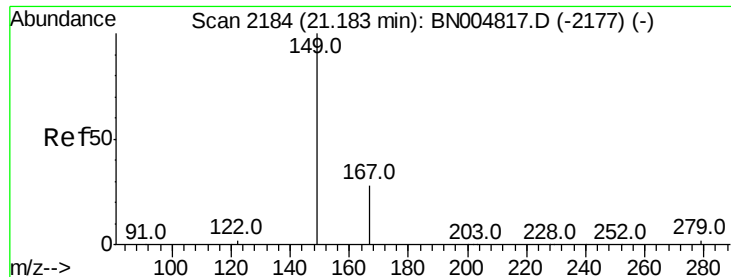
Sohil
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#31
Chrysene
Concen: 0.143 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.0	34.6
229	23.1	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

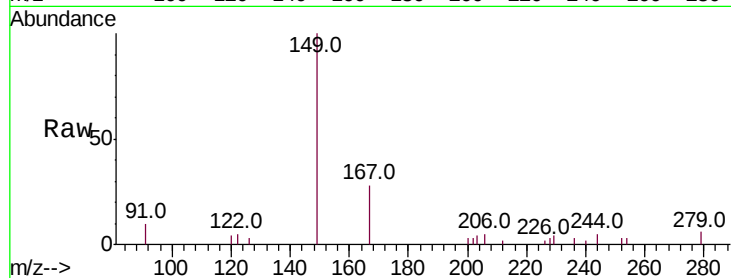
ClientSampleId :

PST-026-B021-031819

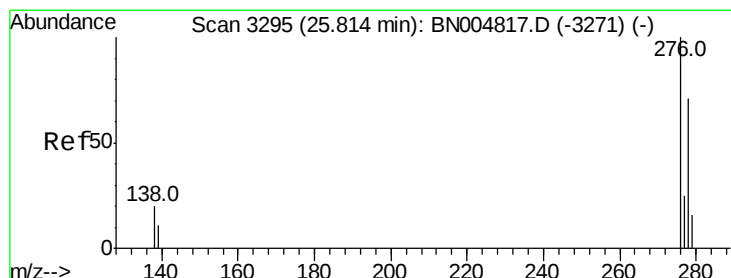
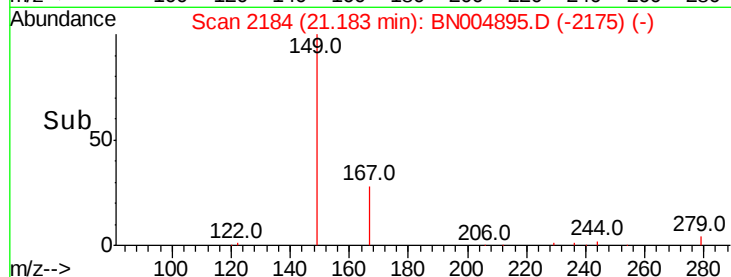
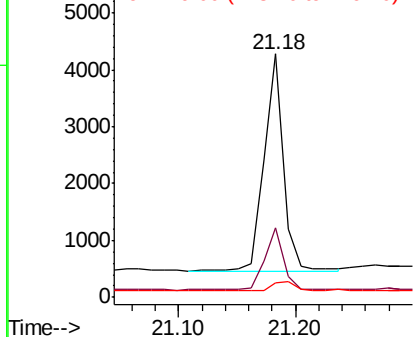
Tot Ion:	149	Resp:	4398
Ion Ratio	Lower	Upper	
149	100		
167	26.7	23.0	34.4
279	5.1	4.6	6.8

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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: 0.061 ng

RT: 25.80 min Scan# 3291

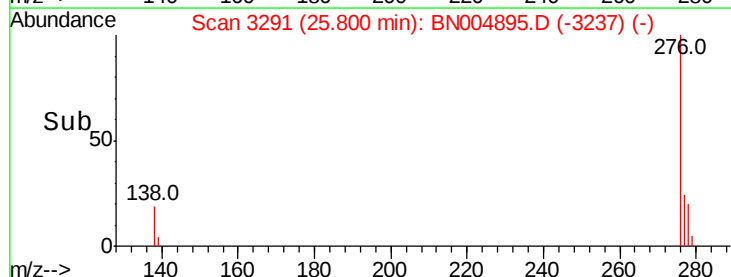
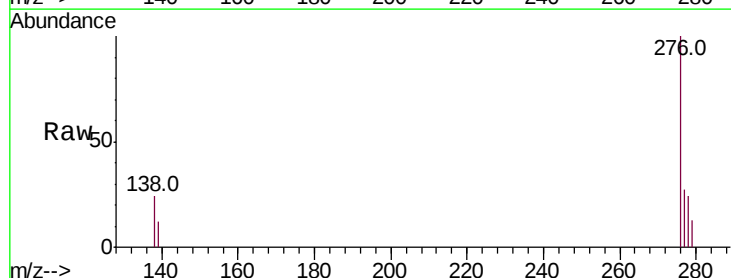
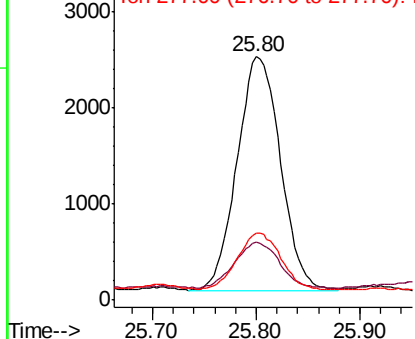
Delta R.T. -0.01 min

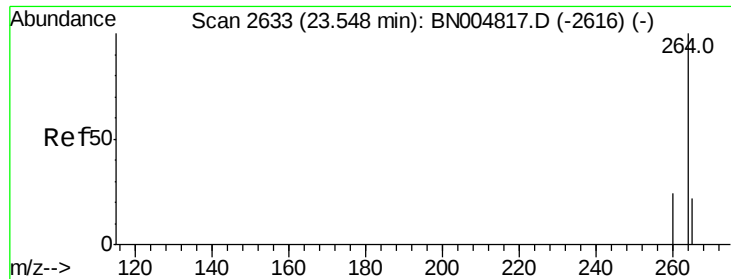
Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Tgt Ion:	276	Resp:	7096
Ion Ratio	Lower	Upper	
276	100		
138	20.1	16.6	24.8
277	24.3	20.3	30.5

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





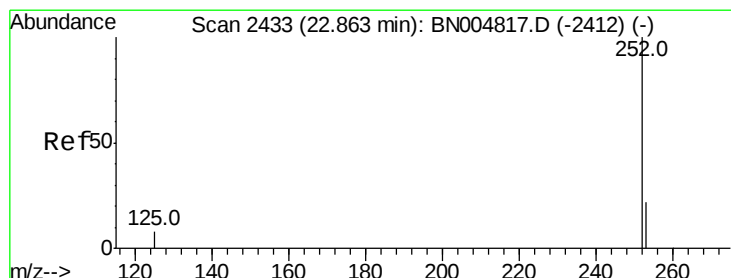
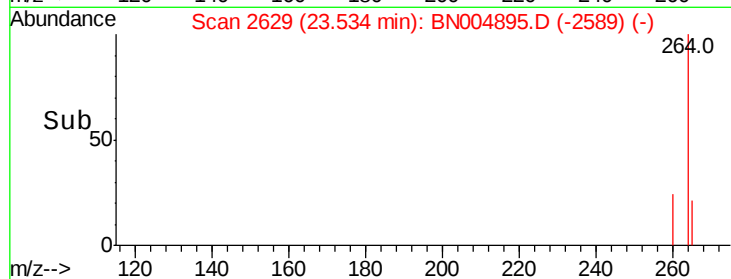
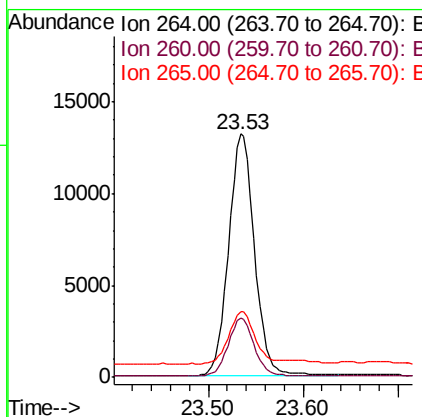
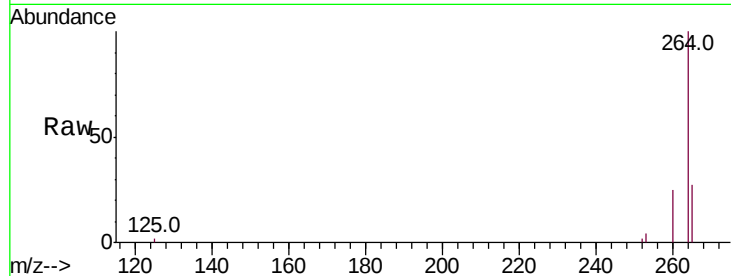
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	26.8	23.1	34.7

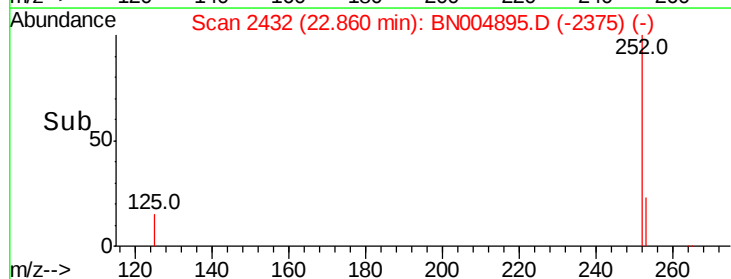
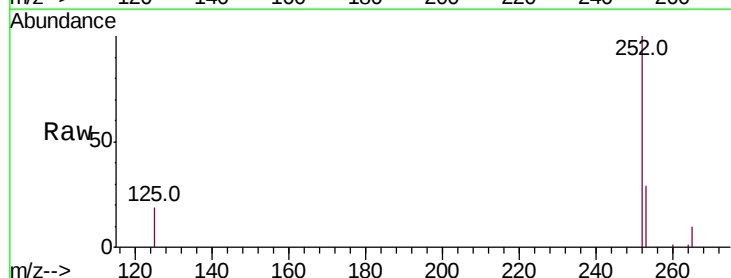
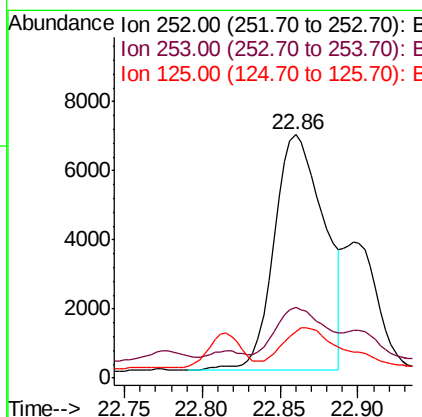
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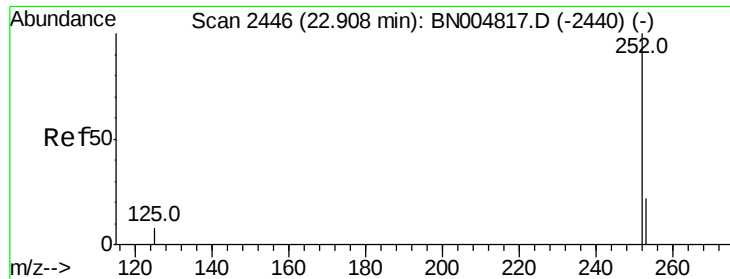
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#35
Benzo(b)fluoranthene
Concen: 0.168 ng
RT: 22.86 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	19.0	28.4#
125	19.2	7.4	11.2#





#36

Benzo(k)fluoranthene

Concen: 0.064 ng/mL

RT: 22.90 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

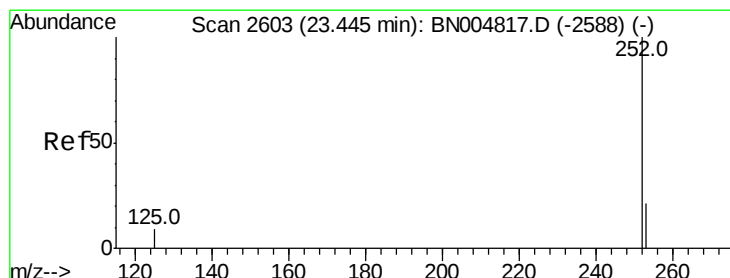
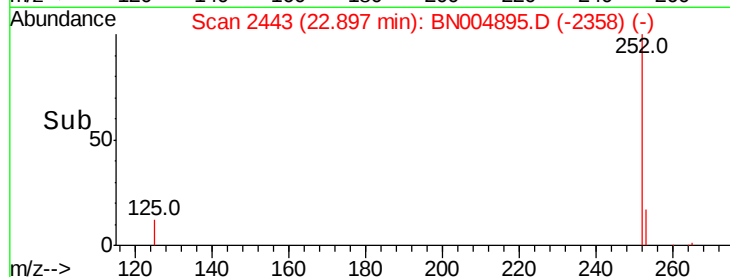
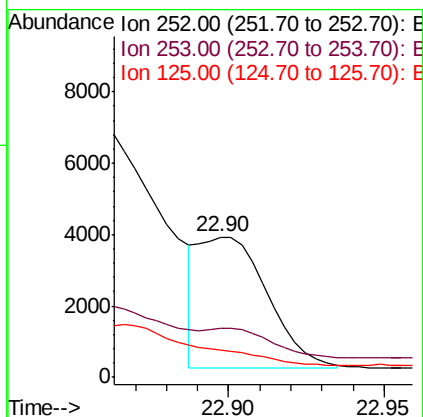
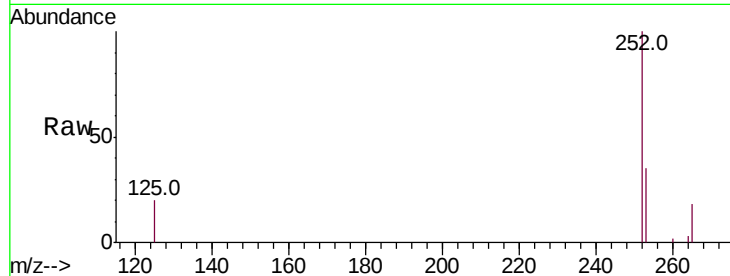
ClientSampleId :

PST-026-B021-031819

Tot Ion:	252	Resp:	5702
Ion Ratio	Lower	Upper	
252	100		
253	34.7	19.3	28.9#
125	19.5	7.4	11.0#

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#37

Benzo(a)pyrene

Concen: 0.122 ng/mL

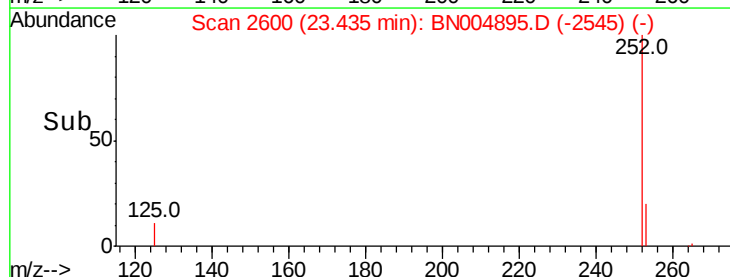
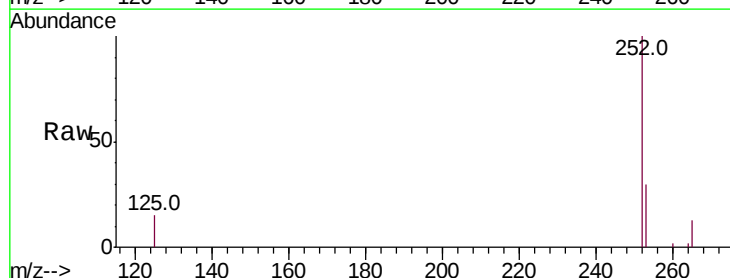
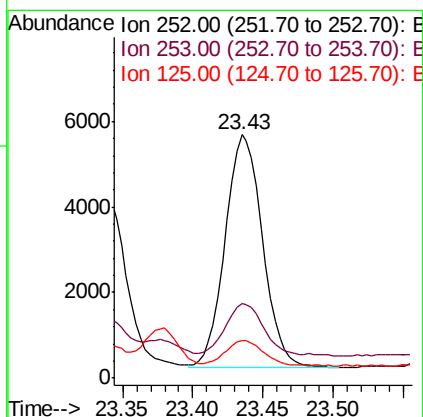
RT: 23.43 min Scan# 2600

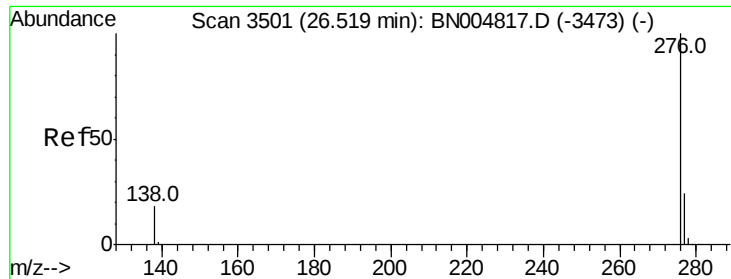
Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Tgt Ion:	252	Resp:	10112
Ion Ratio	Lower	Upper	
252	100		
253	30.4	19.7	29.5#
125	15.4	8.3	12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.070 ng

RT: 26.51 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BN004895.D

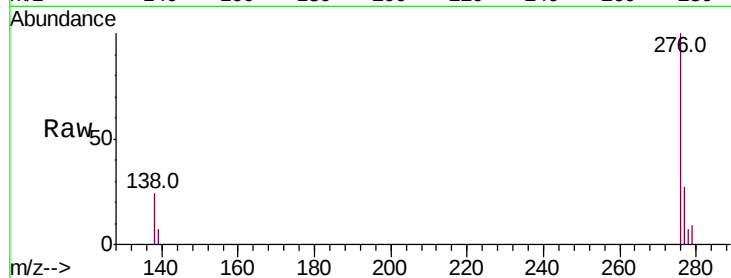
Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819



Tot Ion:	276	Resp:	6868
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.7	29.5
138	23.5	14.6	22.0

Manual Integrations
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3/25/2019 8:57:34 AM

