

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004863.D
 Acq On : 21 Mar 2019 22:55
 Operator : JU/SJ
 Sample : K1817-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B009-030619

Manual Integrations
 APPROVED

Sohil
 3/22/2019 7:16:27 PM

Quant Time: Mar 22 02:46:39 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	1902	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8654	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5628	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	14956	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19931	0.40	ng	0.00
34) Perylene-d12	23.54	264	21918	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2666	0.52	ng	0.00
5) Phenol-d6	6.87	99	3707	0.58	ng	0.00
8) Nitrobenzene-d5	8.87	82	2122	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	5140	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1864	0.48	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	8900	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	14359	0.29	ng	0.00
29) Terphenyl-d14	19.72	244	13034	0.32	ng	0.00
Target Compounds						
9) Naphthalene	10.53	128	704	0.029	ng	Qvalue # 74
16) Acenaphthylene	14.07	152	955	0.033	ng	95
23) Phenanthrene	17.13	178	8032	0.166	ng	99
24) Anthracene	17.23	178	1057	0.025	ng	98
26) Fluoranthene	19.16	202	15336	0.247	ng	99
28) Pyrene	19.52	202	15954	0.263	ng	97
30) Benzo(a)anthracene	21.27	228	8558	0.131	ng	95
31) Chrysene	21.32	228	9860m	0.143	ng	
32) Bis(2-ethylhexyl)phthalate	21.18	149	3462	0.133	ng	97
33) Indeno(1,2,3-cd)pyrene	25.81	276	6317	0.063	ng	98
35) Benzo(b)fluoranthene	22.87	252	13012	0.164	ng	# 88
36) Benzo(k)fluoranthene	22.91	252	3970m	0.051	ng	
37) Benzo(a)pyrene	23.44	252	8971	0.123	ng	# 90
38) Dibenzo(a,h)anthracene	25.82	278	1740	0.021	ng	# 43
39) Benzo(a,h,i)perylene	26.52	276	6359	0.074	ng	# 94

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

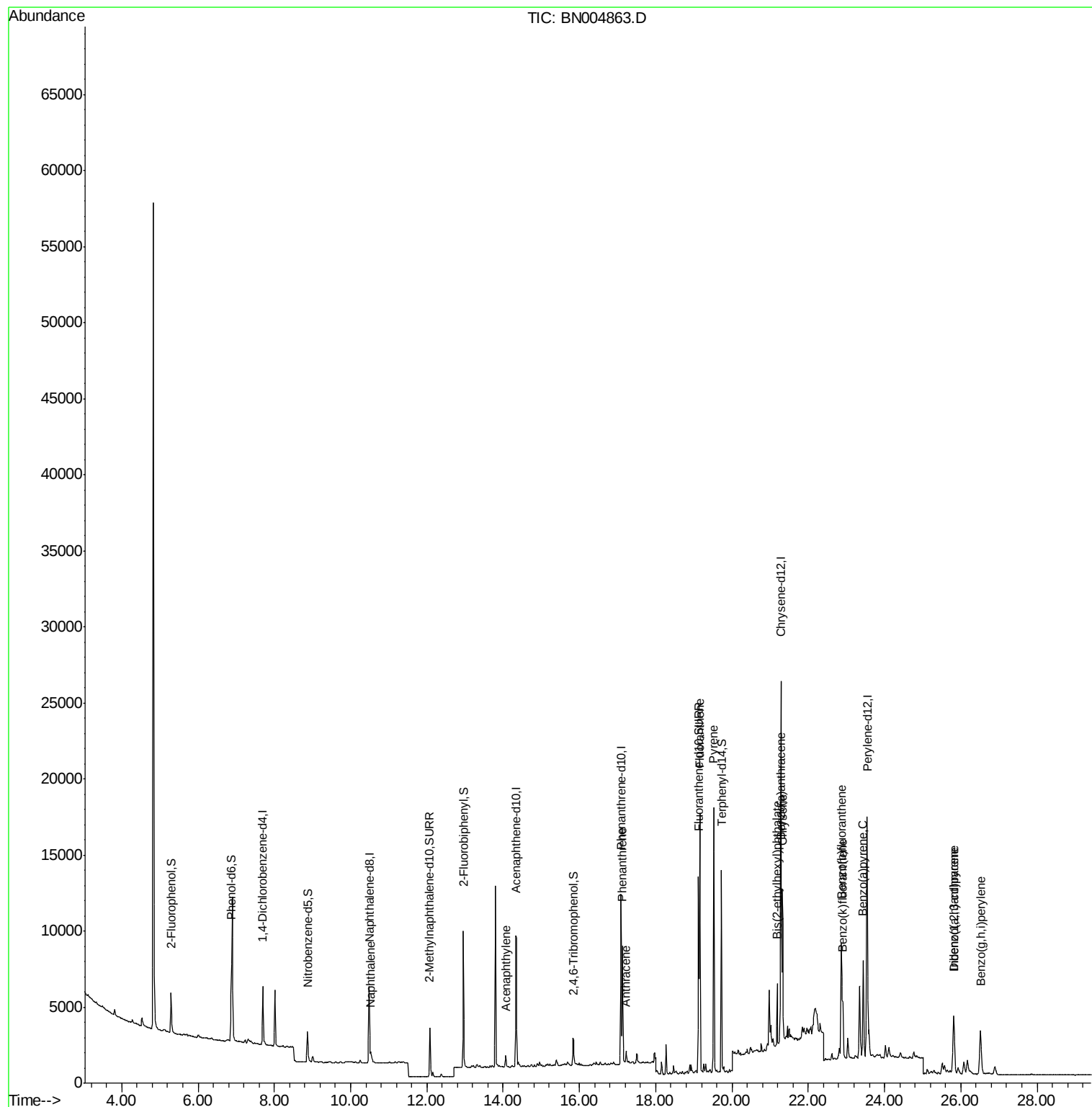
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
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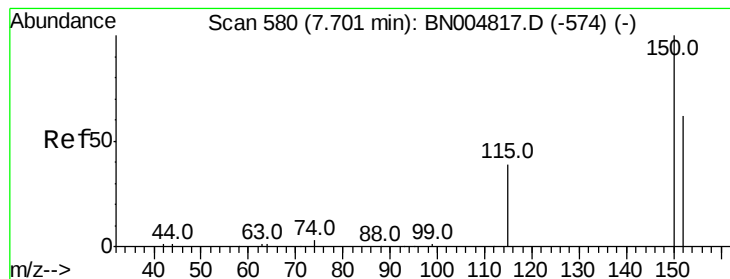
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PST-028-B009-030619

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#1

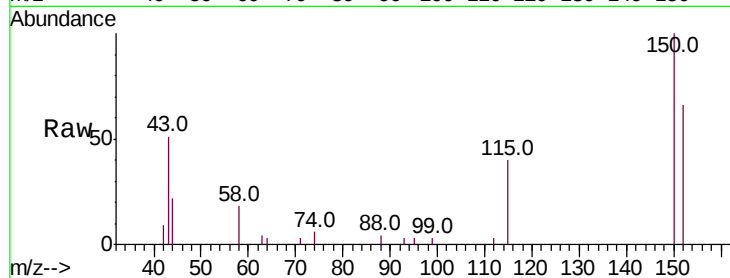
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	126.2	189.4
115	61.3	52.6	79.0

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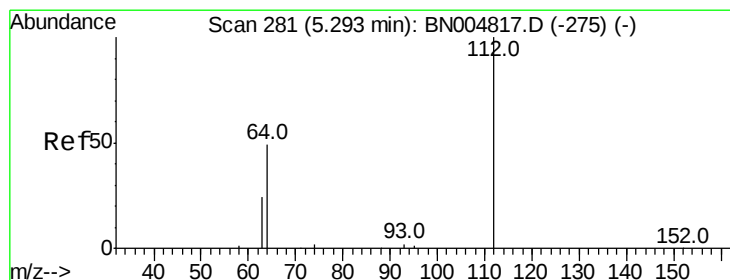
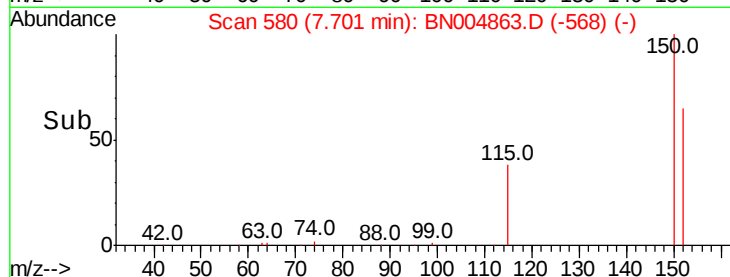
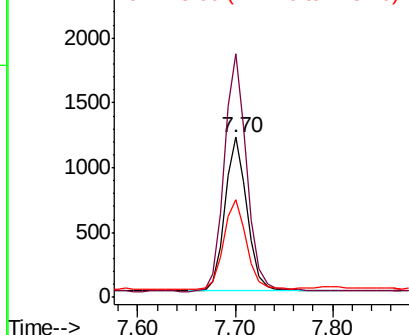


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

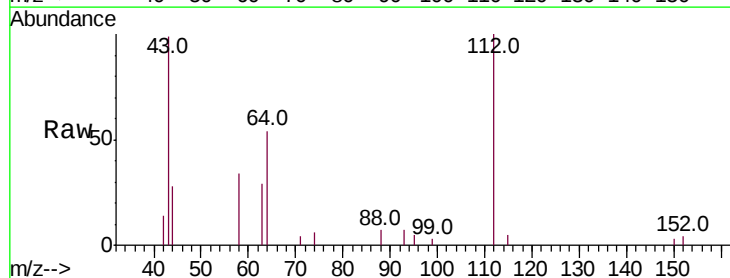
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.516 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.0	40.0	60.0
63	26.4	20.2	30.2

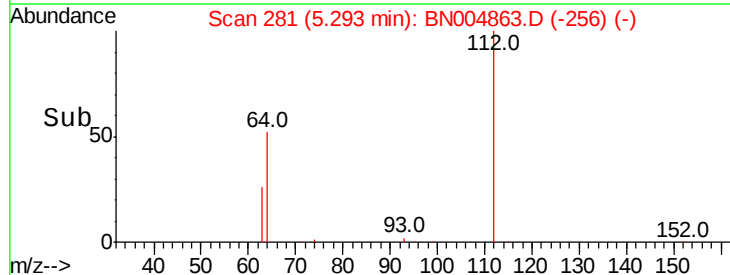
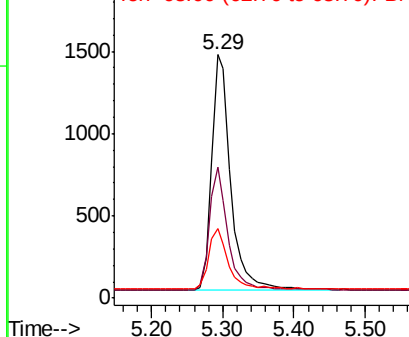


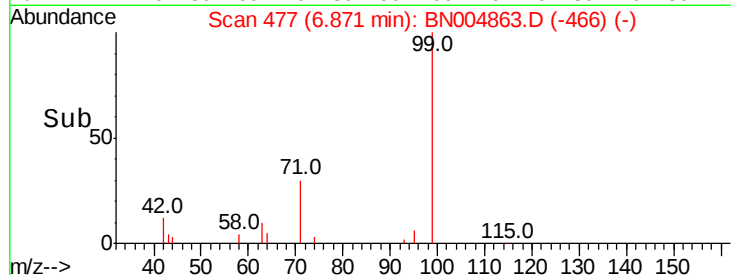
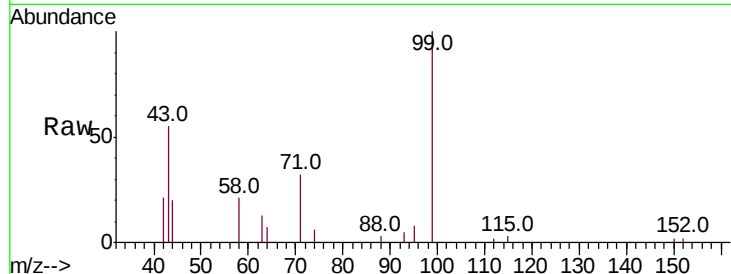
Abundance

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: 0.576 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Tot Ion:	99	Resp:	3707
Ion	Ratio	Lower	Upper
99	100		
42	28.6	12.7	19.1#
71	32.0	26.6	40.0

Instrument :

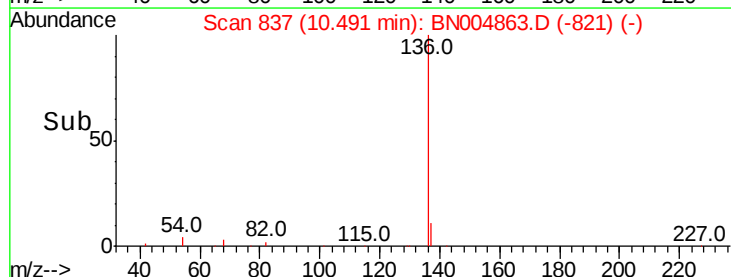
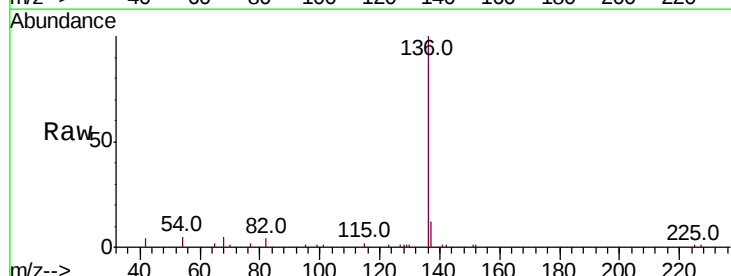
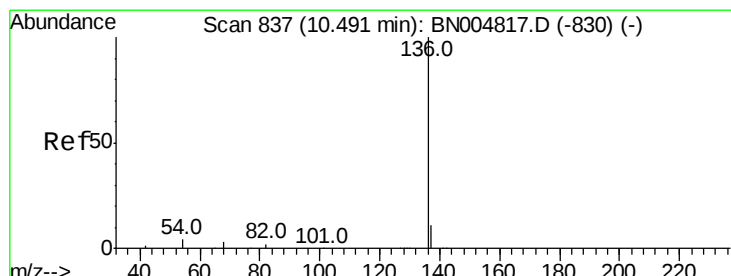
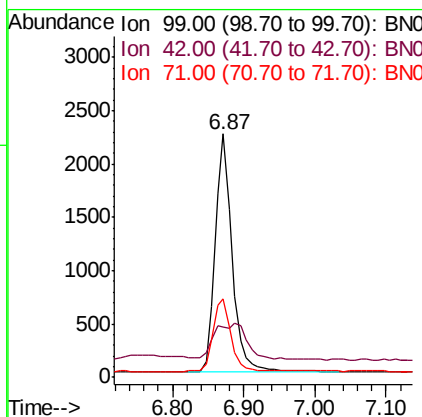
BNA_N

ClientSampleId :

PST-028-B009-030619

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#7

Naphthalene-d8

Concen: 0.400 ng

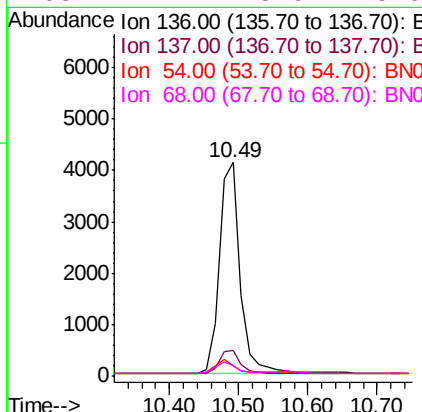
RT: 10.49 min Scan# 837

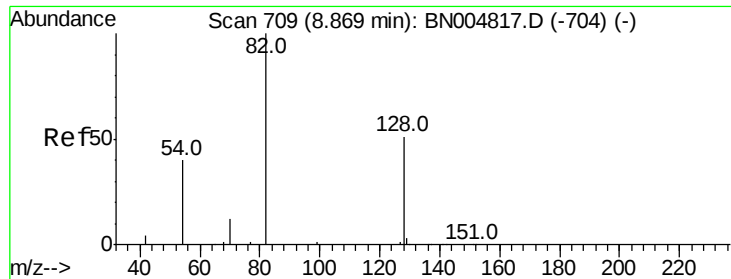
Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Tgt Ion:	136	Resp:	8654
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.6	14.4
54	5.0	4.2	6.2
68	4.7	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.371 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

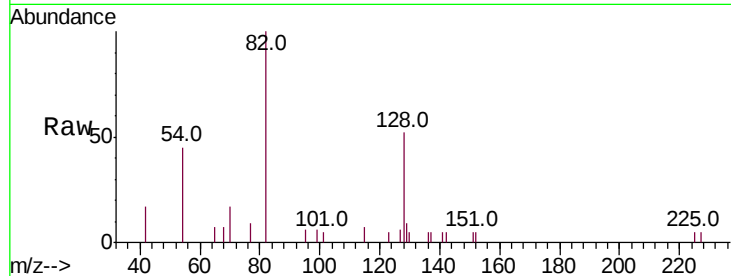
ClientSampleId :

PST-028-B009-030619

Tot Ion:	82	Resp:	2122
Ion Ratio	Lower	Upper	
82	100		
128	52.3	43.0	64.6
54	44.8	35.3	52.9

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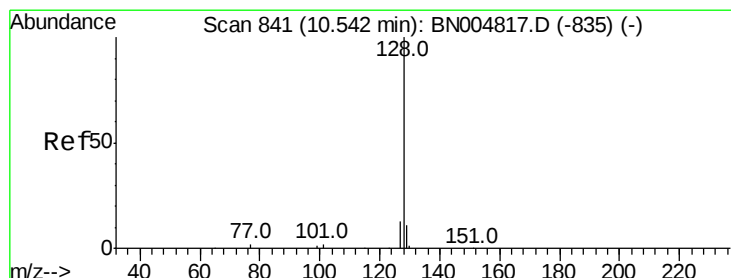
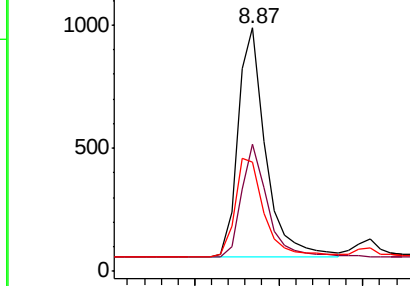
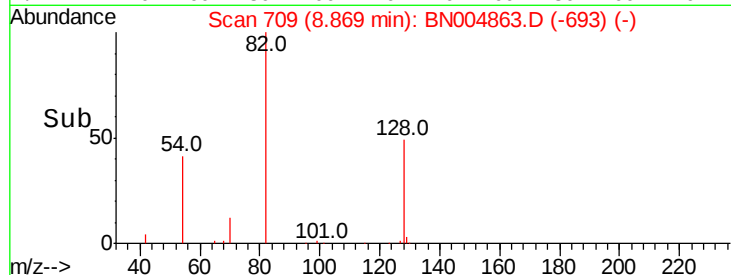


Abundance Ion 82.00 (81.70 to 82.70): BN004863.D (-833) (-)

Ion 128.00 (127.70 to 128.70): BN004863.D (-833) (-)

Ion 54.00 (53.70 to 54.70): BN004863.D (-833) (-)

Time-->



#9

Naphthalene

Concen: 0.029 ng

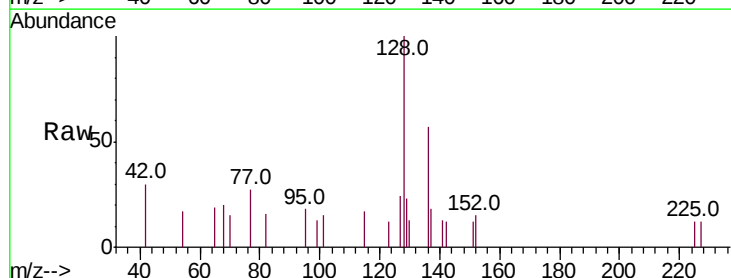
RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Tgt Ion:	128	Resp:	704
Ion Ratio	Lower	Upper	
128	100		
129	23.2	9.9	14.9#
127	24.2	11.3	16.9#

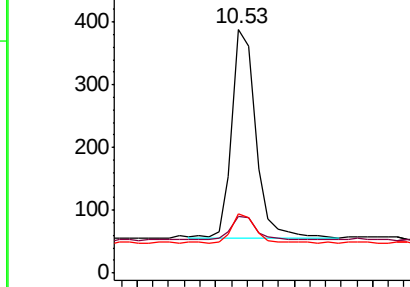
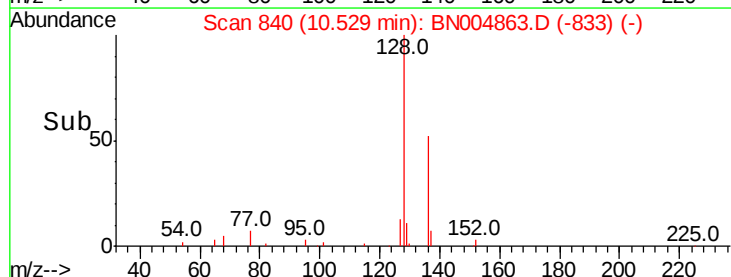


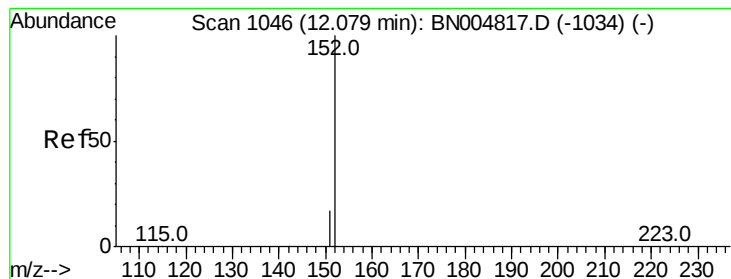
Abundance Ion 128.00 (127.70 to 128.70): BN004863.D (-833) (-)

Ion 129.00 (128.70 to 129.70): BN004863.D (-833) (-)

Ion 127.00 (126.70 to 127.70): BN004863.D (-833) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.340 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

Tot Ion:152 Resp: 5140

Ion Ratio Lower Upper

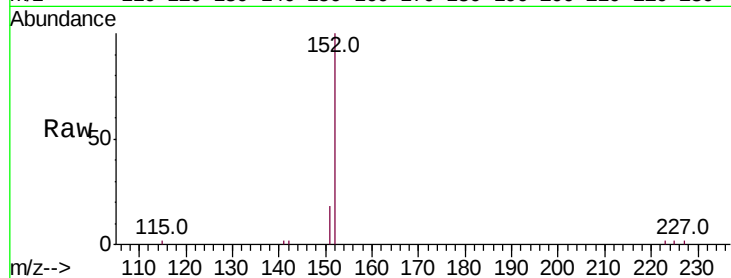
152 100

151 19.3 15.5 23.3

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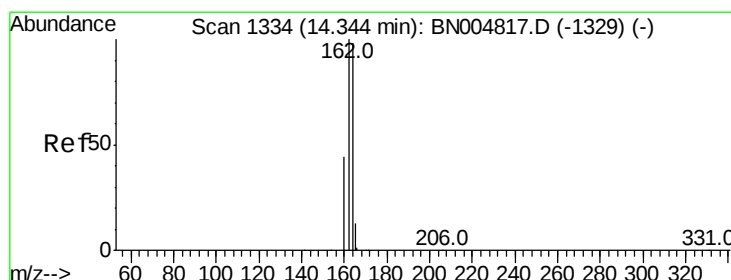
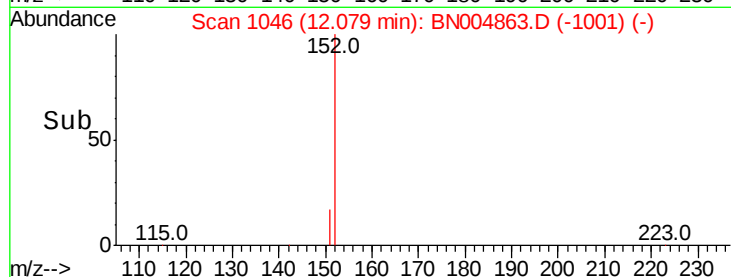
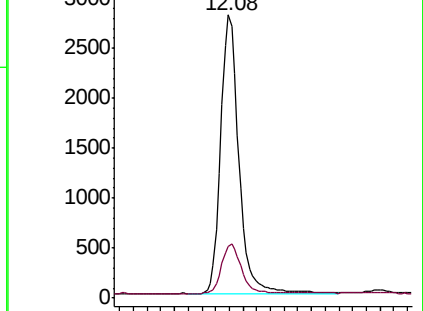
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

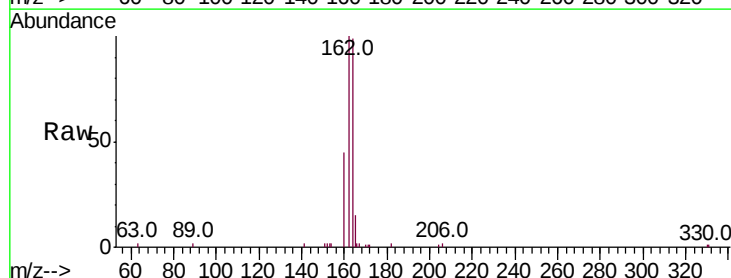
Tgt Ion:164 Resp: 5628

Ion Ratio Lower Upper

164 100

162 101.3 81.9 122.9

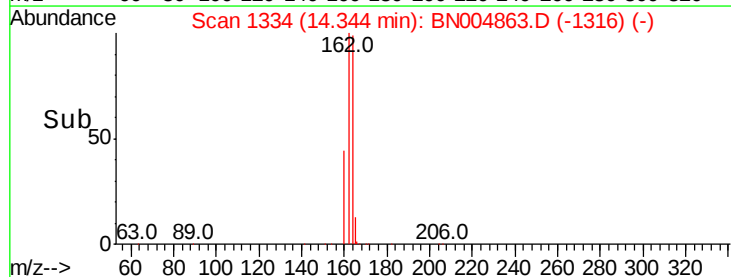
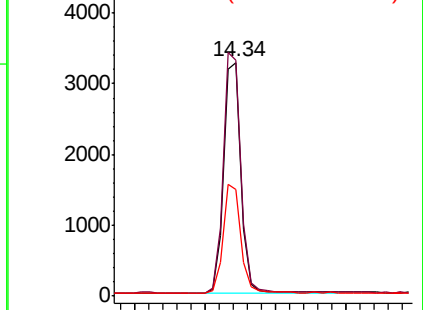
160 45.5 36.6 54.8

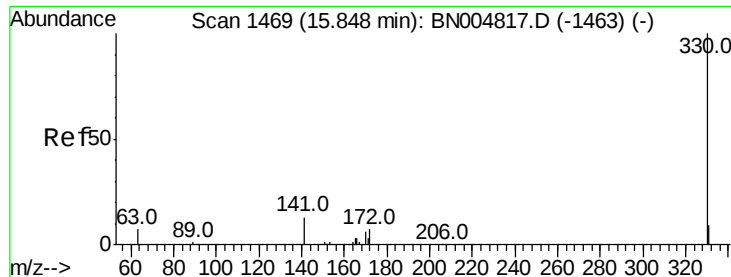


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





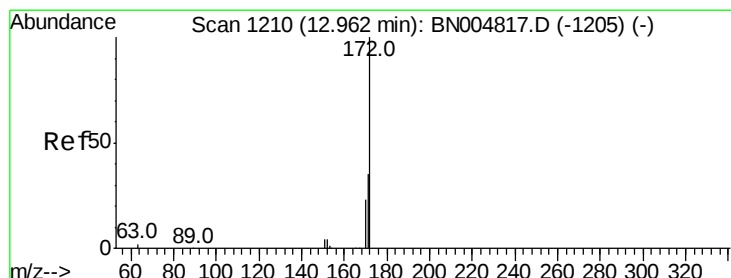
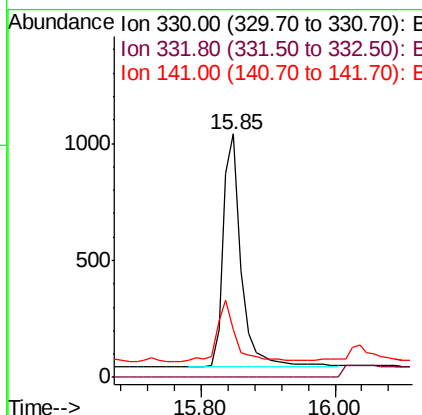
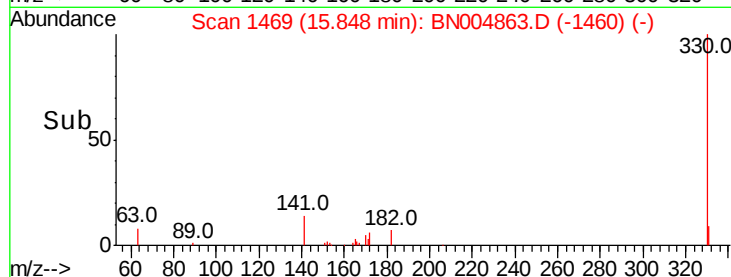
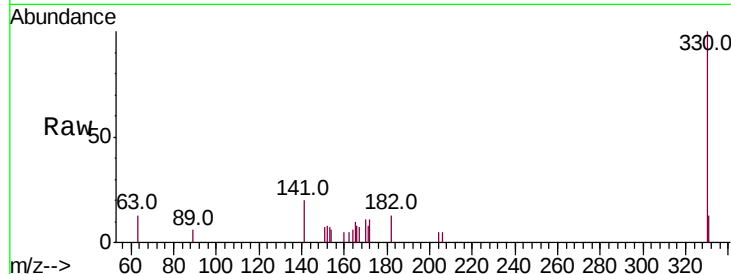
#14
 2,4,6-Tribromophenol
 Concen: 0.480 ng
 RT: 15.85 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: BN004863.D
 Acq: 21 Mar 2019 22:55

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B009-030619

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	28.6	20.9	31.3

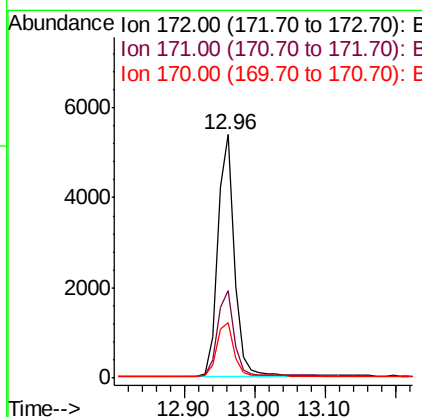
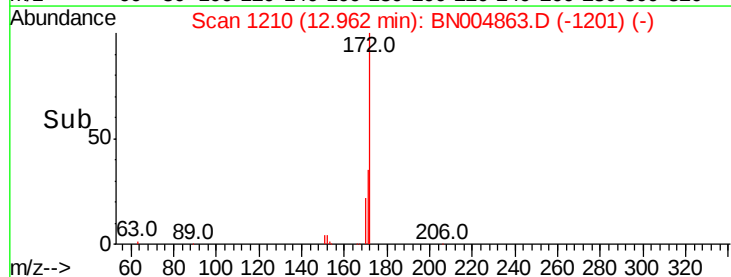
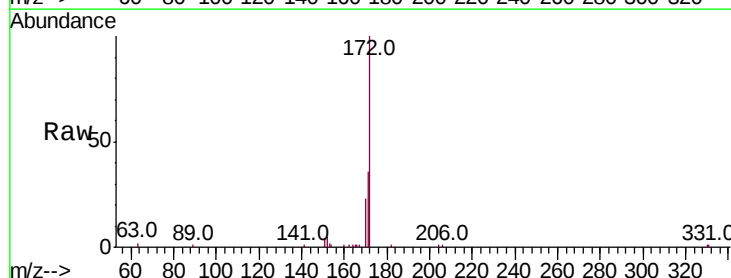
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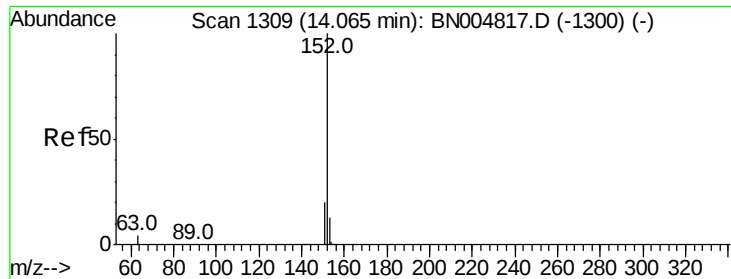
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#15
 2-Fluorobiphenyl
 Concen: 0.383 ng
 RT: 12.96 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BN004863.D
 Acq: 21 Mar 2019 22:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	22.9	18.7	28.1





#16

Acenaphthylene

Concen: 0.033 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

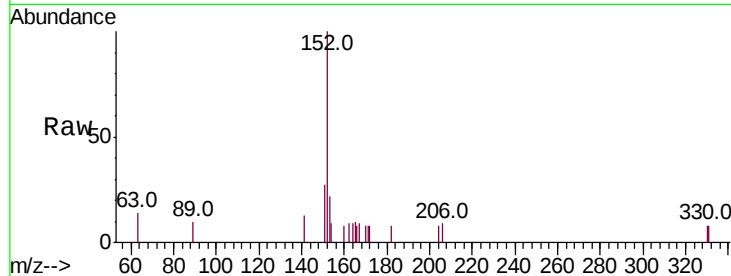
ClientSampleId :

PST-028-B009-030619

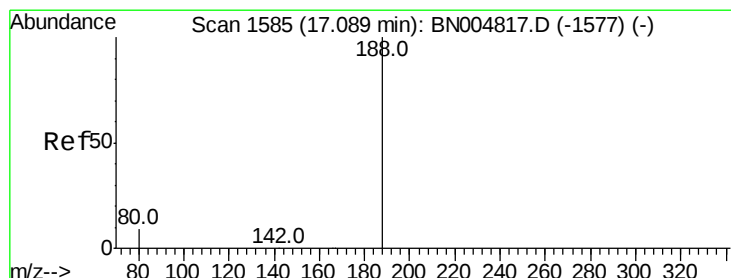
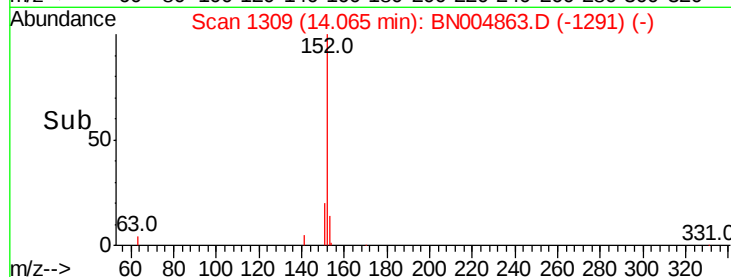
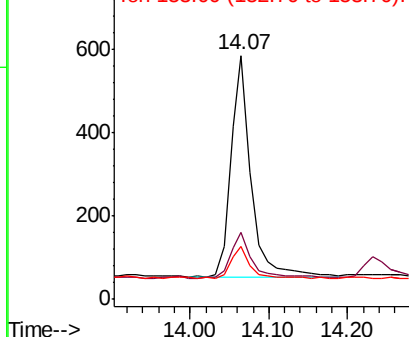
Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.1	24.1
153	15.3	10.5	15.7

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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

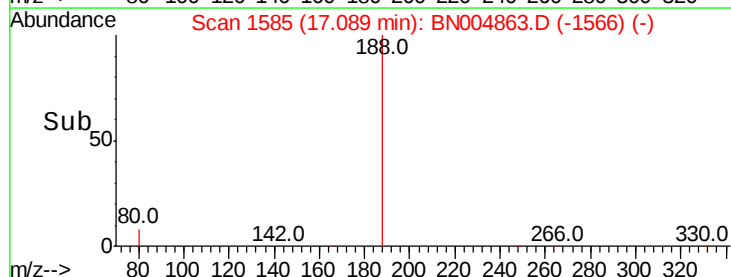
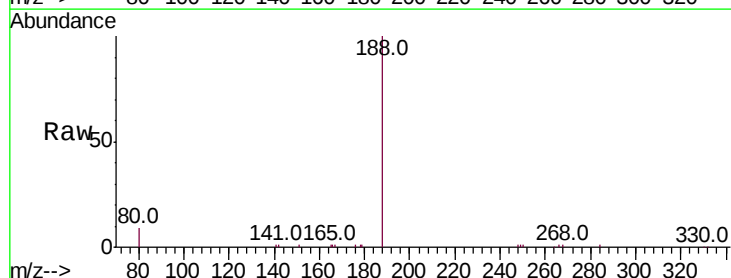
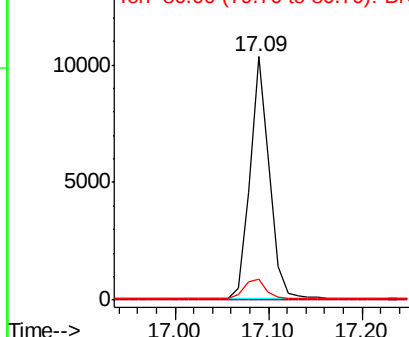
Delta R.T. -0.00 min

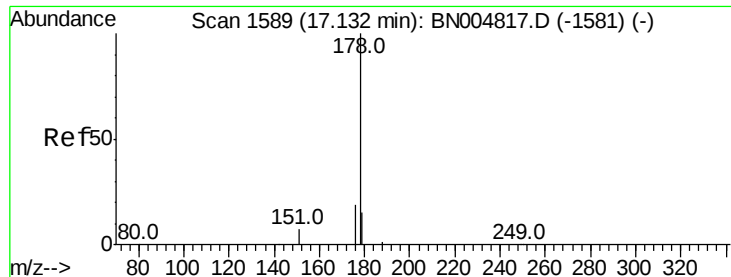
Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	7.4	11.2

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: 0.166 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

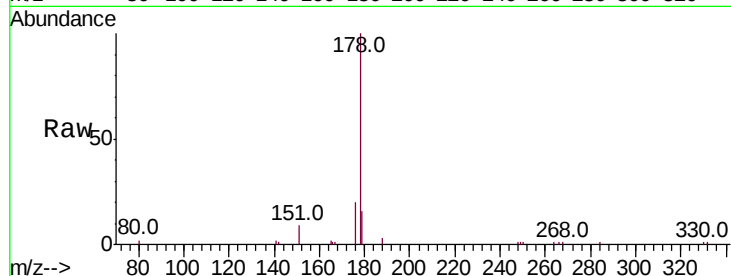
ClientSampleId :

PST-028-B009-030619

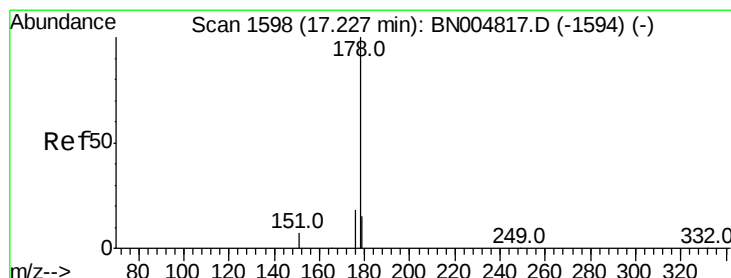
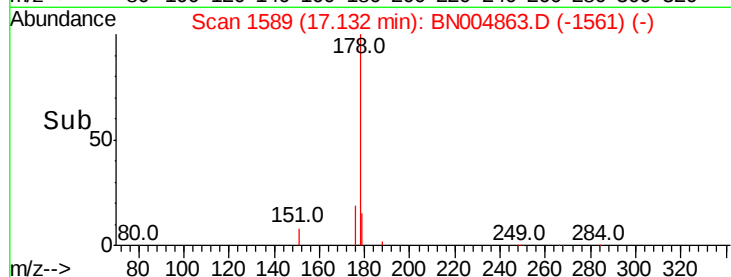
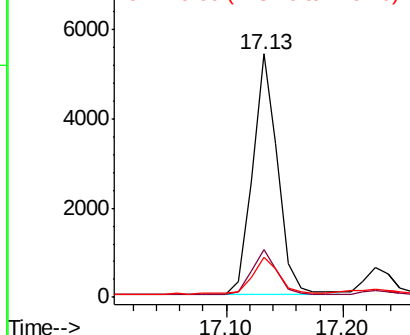
Tot Ion:178	Resp:	8032
Ion Ratio	Lower	Upper
178	100	
176	18.7	14.9 22.3
179	16.1	12.1 18.1

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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



#24

Anthracene

Concen: 0.025 ng

RT: 17.23 min Scan# 1598

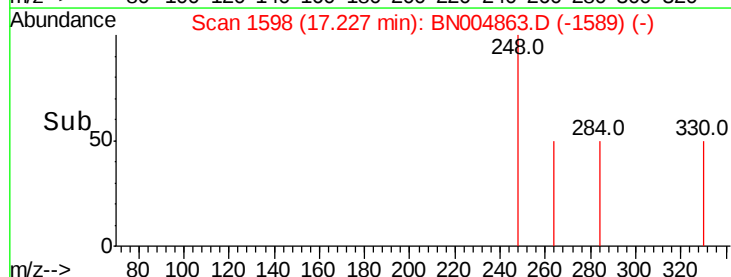
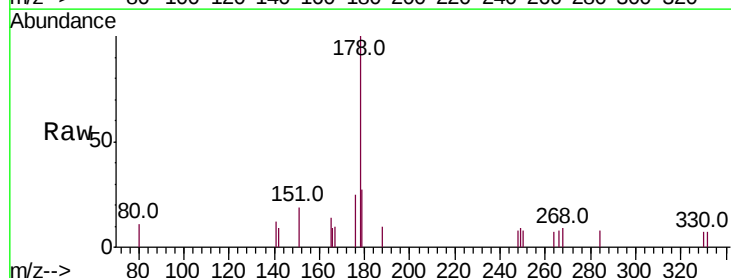
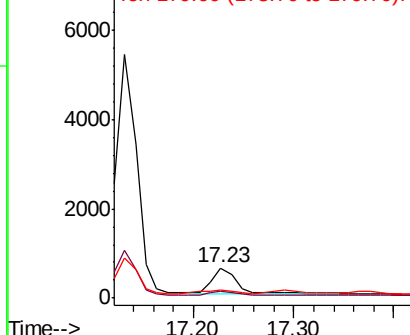
Delta R.T. -0.00 min

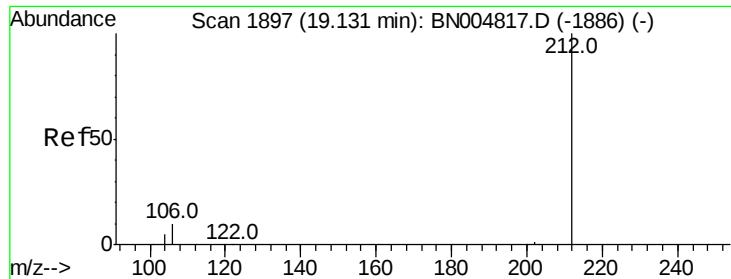
Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Tgt Ion:178	Resp:	1057
Ion Ratio	Lower	Upper
178	100	
176	17.1	14.5 21.7
179	16.4	12.2 18.4

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: 0.287 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

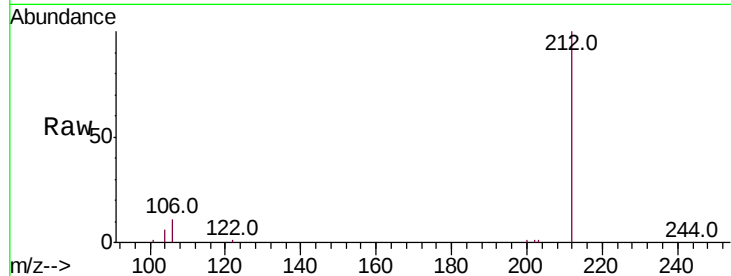
ClientSampleId :

PST-028-B009-030619

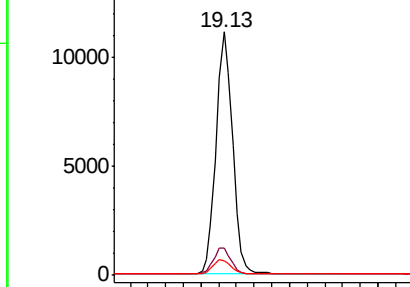
Tot Ion:	212	Resp:	14359
Ion Ratio	Lower	Upper	
212	100		
106	11.1	8.6	13.0
104	6.3	4.7	7.1

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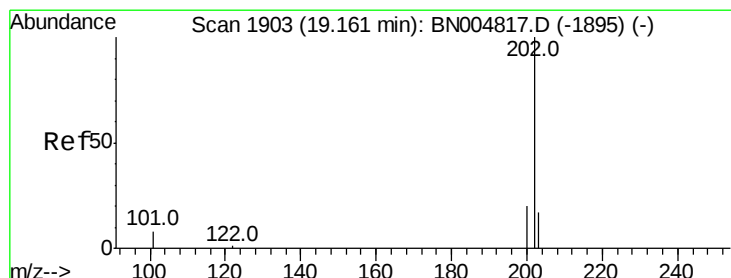
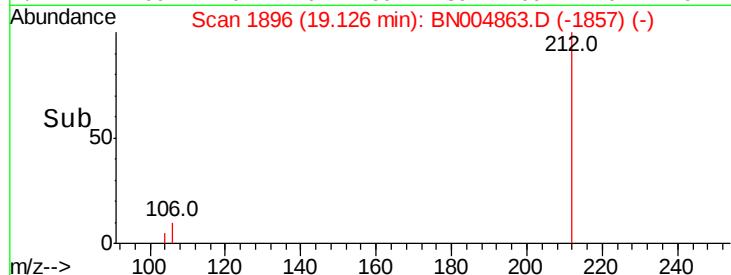
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Abundance Ion 212.00 (211.70 to 212.70): E
15000
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.247 ng

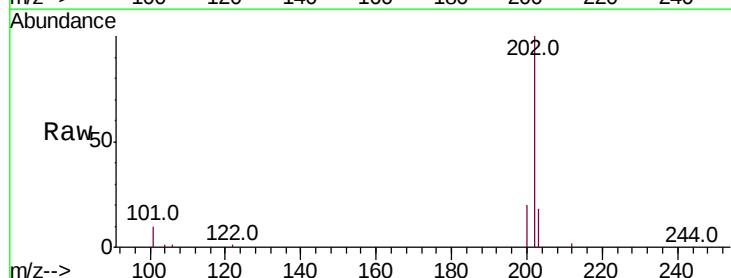
RT: 19.16 min Scan# 1902

Delta R.T. -0.01 min

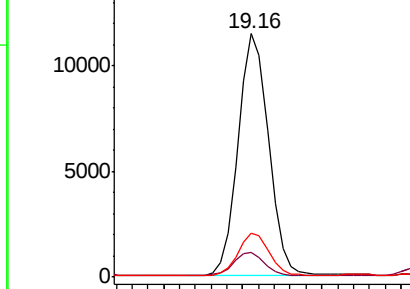
Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

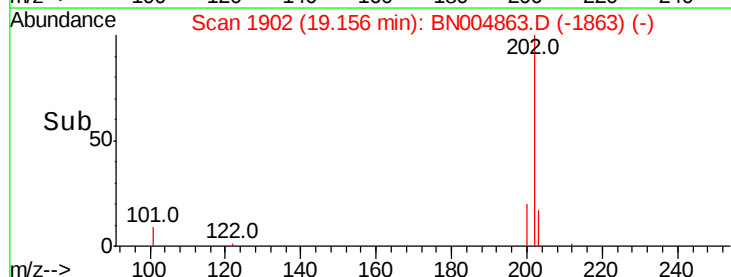
Tgt Ion:	202	Resp:	15336
Ion Ratio	Lower	Upper	
202	100		
101	9.9	7.5	11.3
203	17.4	13.8	20.6

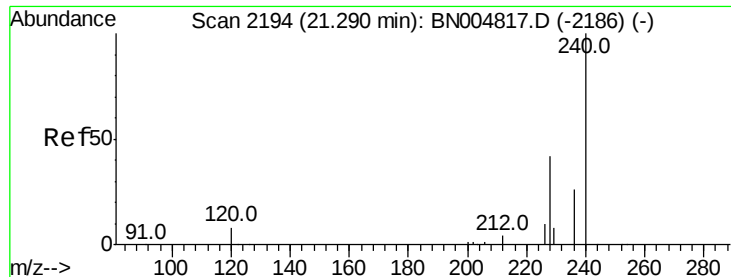


Abundance Ion 202.00 (201.70 to 202.70): E
15000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





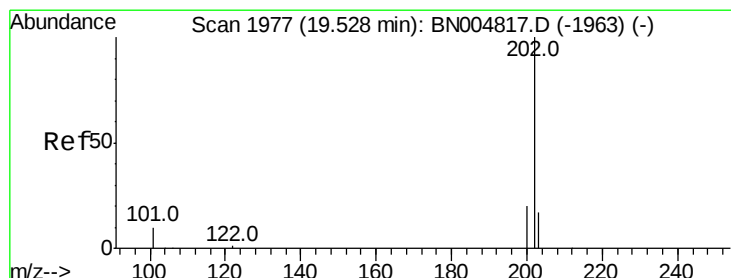
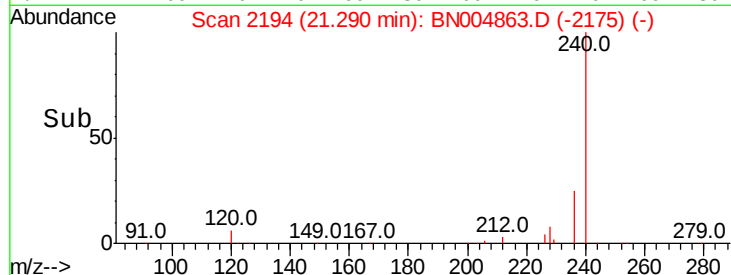
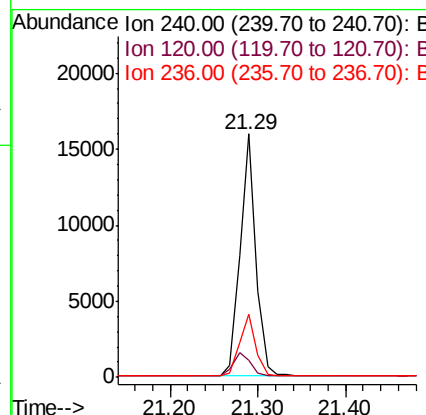
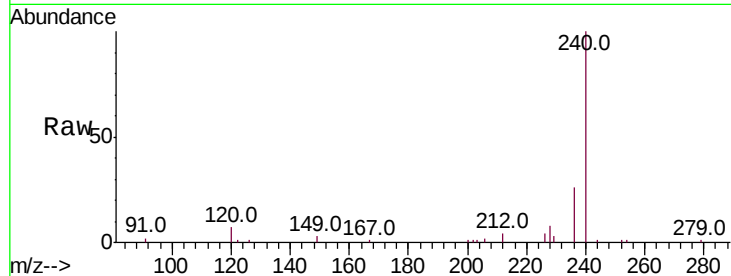
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	7.2	10.8#
236	25.7	20.9	31.3

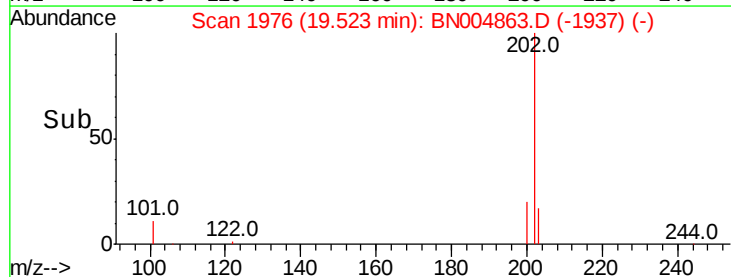
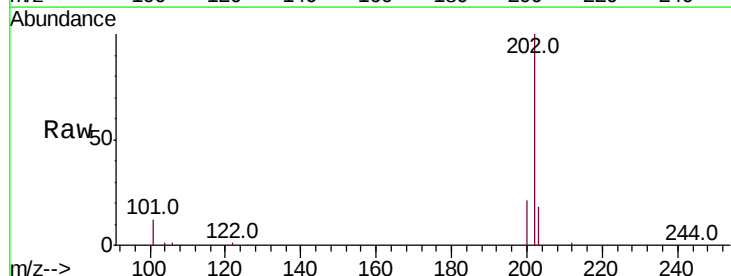
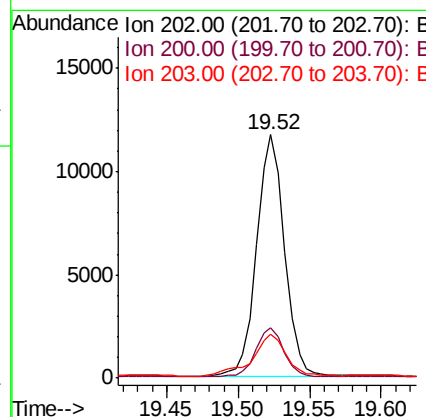
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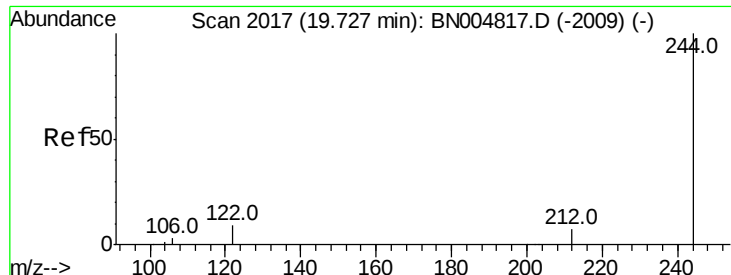
Sohil
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#28
Pyrene
Concen: 0.263 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	20.3	14.0	21.0





#29

Terphenyl-d14

Concen: 0.320 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

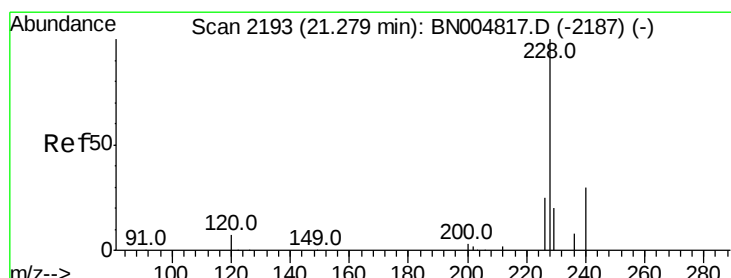
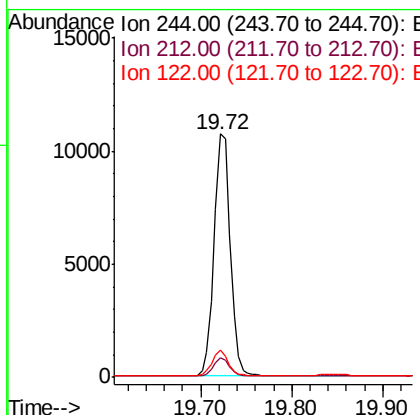
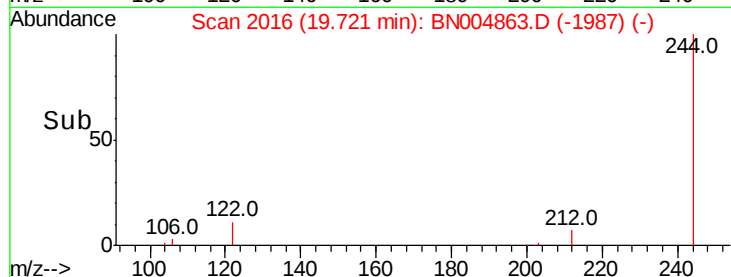
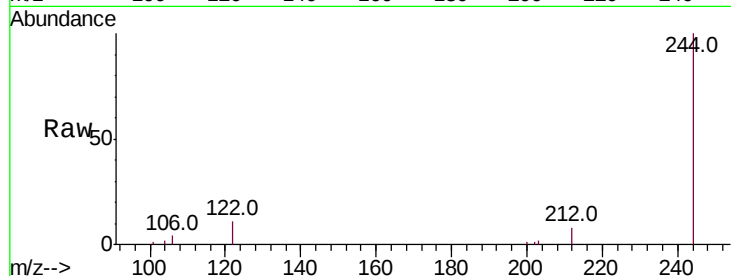
ClientSampleId :

PST-028-B009-030619

Tot Ion:	244	Resp:	13034
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.8	8.6
122	11.2	7.9	11.9

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#30

Benzo(a)anthracene

Concen: 0.131 ng

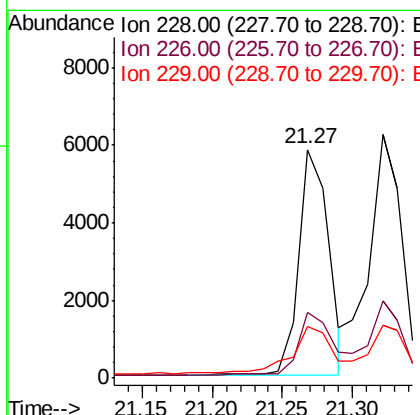
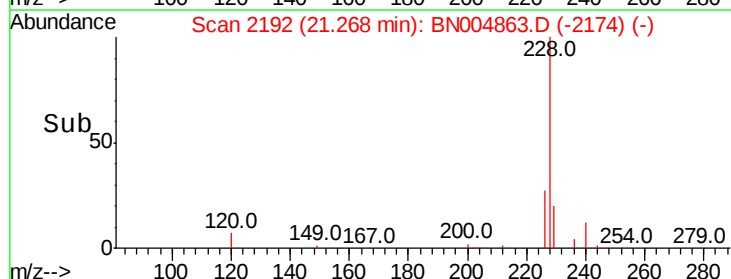
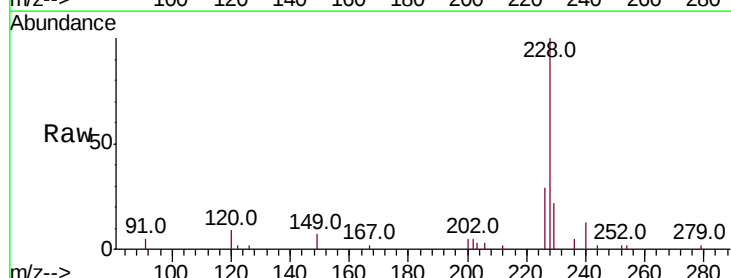
RT: 21.27 min Scan# 2192

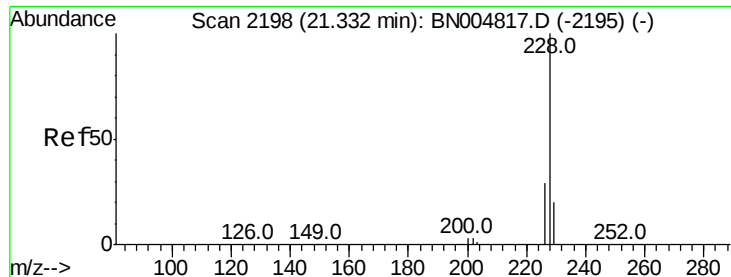
Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Tgt Ion:	228	Resp:	8558
Ion Ratio	Lower	Upper	
228	100		
226	28.6	20.6	31.0
229	22.3	16.2	24.4





#31

Chrysene

Concen: 0.143 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

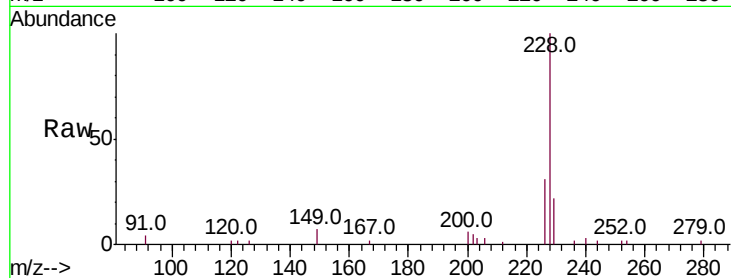
ClientSampleId :

PST-028-B009-030619

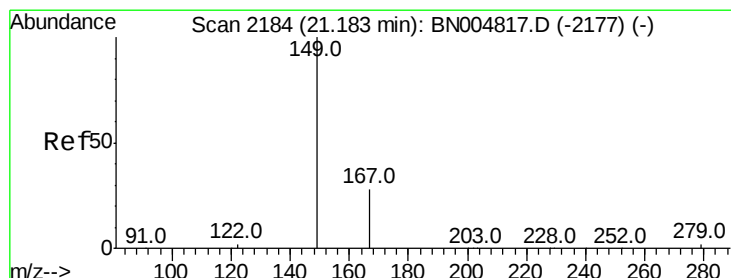
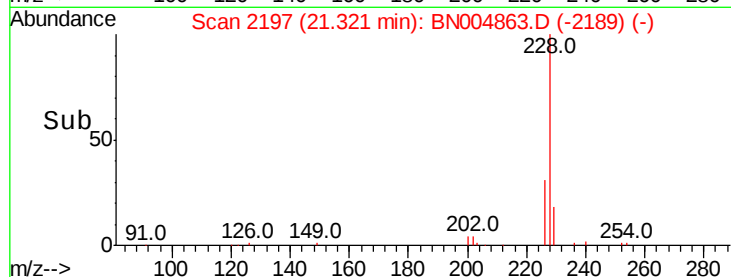
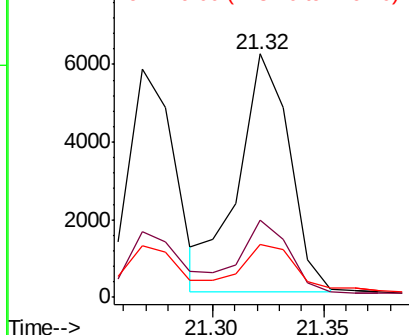
Tot Ion:228	Resp:	9860
Ion Ratio	Lower	Upper
228 100		
226 31.5	23.0	34.6
229 21.5	16.2	24.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.133 ng

RT: 21.18 min Scan# 2184

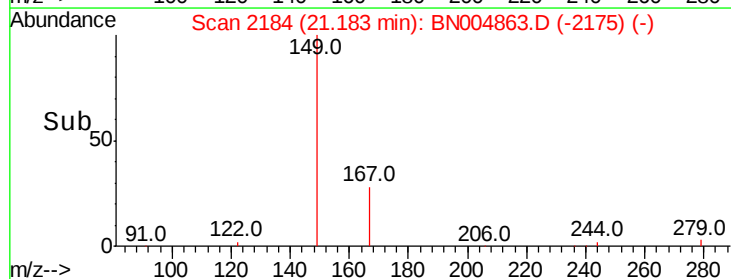
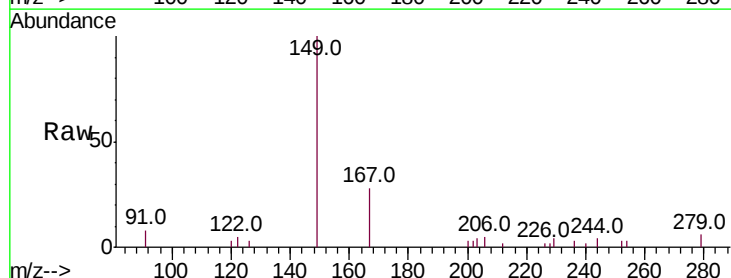
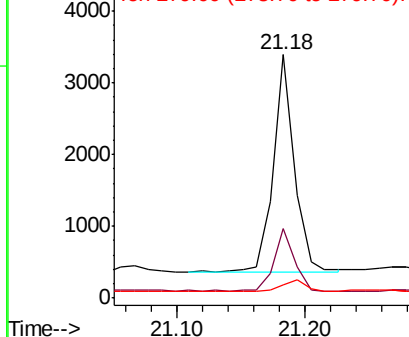
Delta R.T. -0.00 min

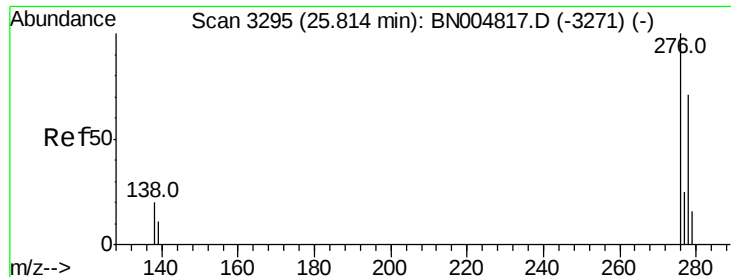
Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Tgt Ion:149	Resp:	3462
Ion Ratio	Lower	Upper
149 100		
167 27.0	23.0	34.4
279 5.5	4.6	6.8

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





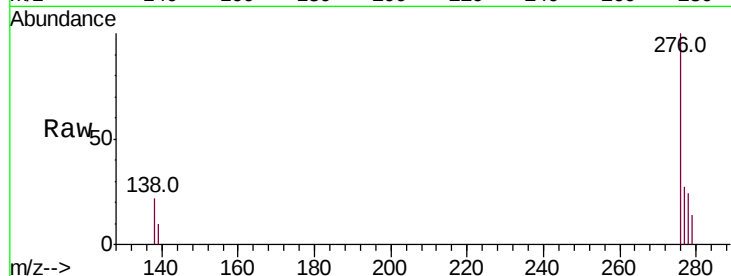
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.063 ng
 RT: 25.81 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: BN004863.D
 Acq: 21 Mar 2019 22:55

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B009-030619

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	16.6	24.8
277	24.5	20.3	30.5

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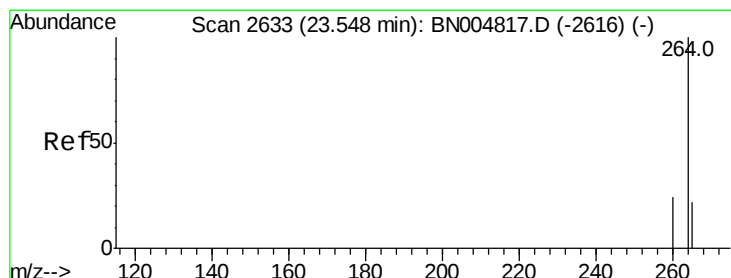
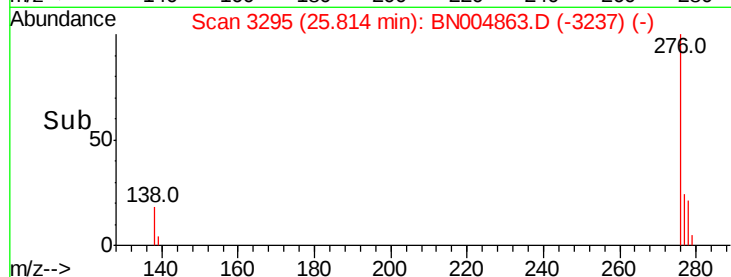
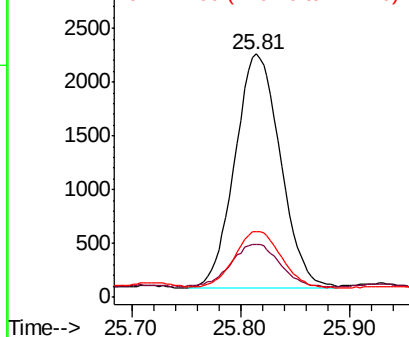


Abundance

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
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.54 min Scan# 2631
 Delta R.T. -0.01 min
 Lab File: BN004863.D
 Acq: 21 Mar 2019 22:55

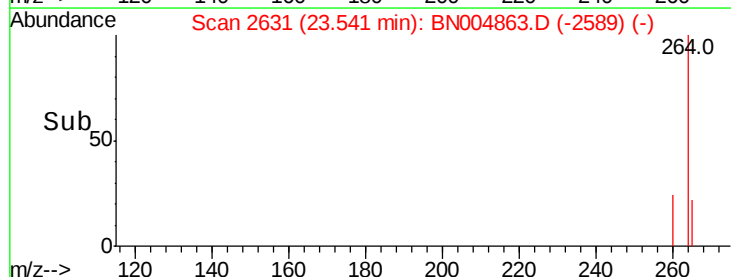
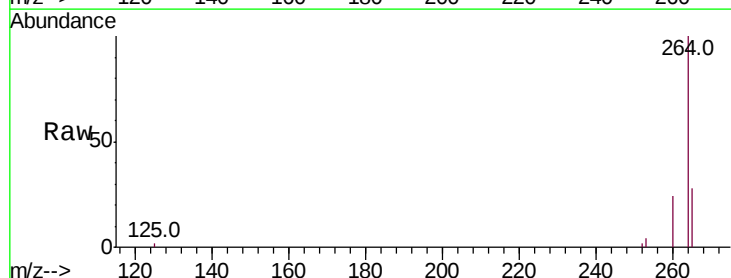
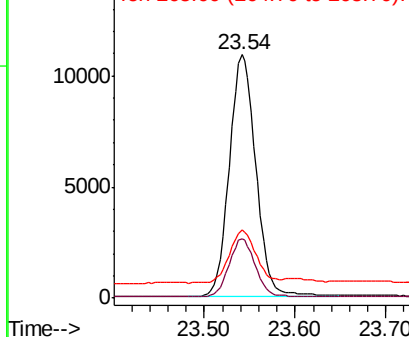
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	27.8	23.1	34.7

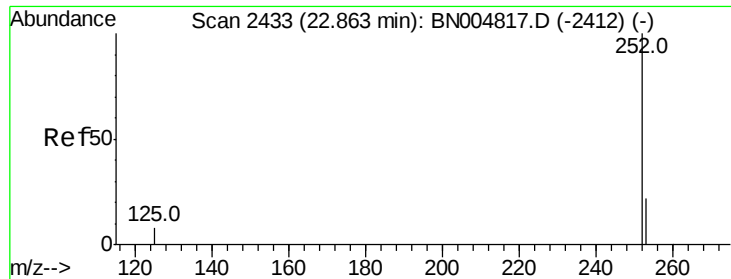
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





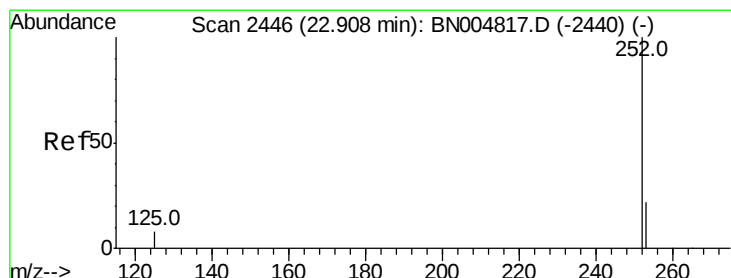
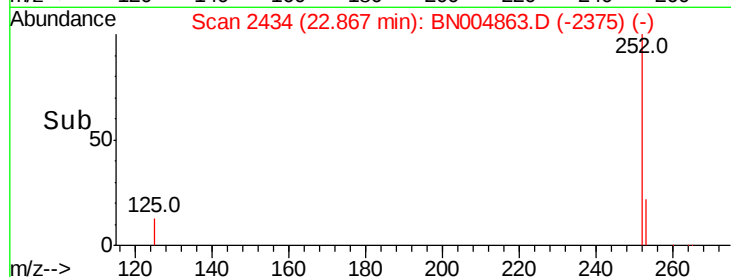
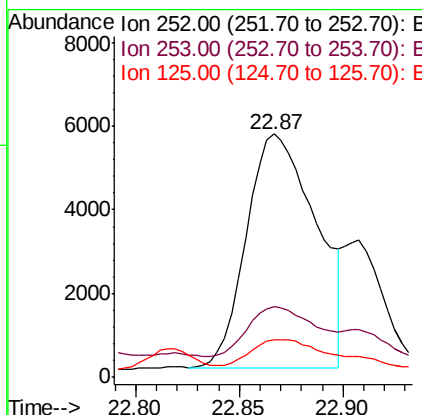
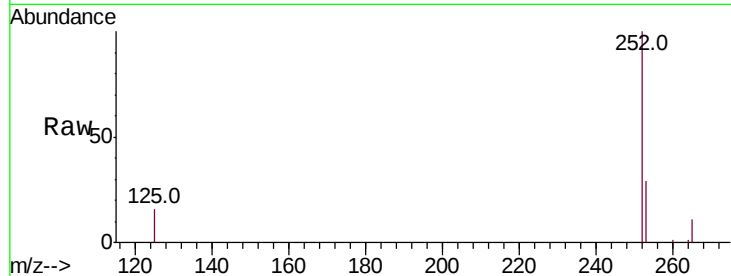
#35
Benzo(b)fluoranthene
Concen: 0.164 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	19.0	28.4#
125	15.6	7.4	11.2#

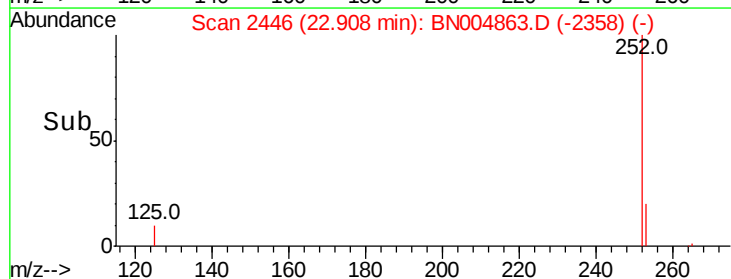
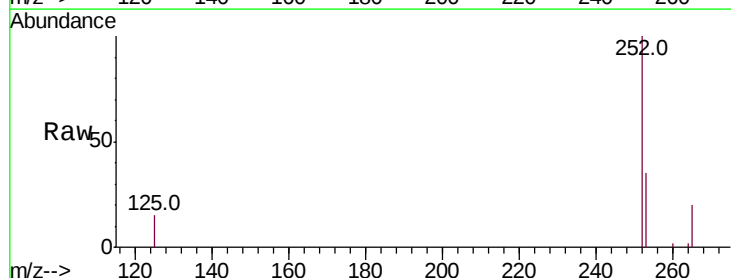
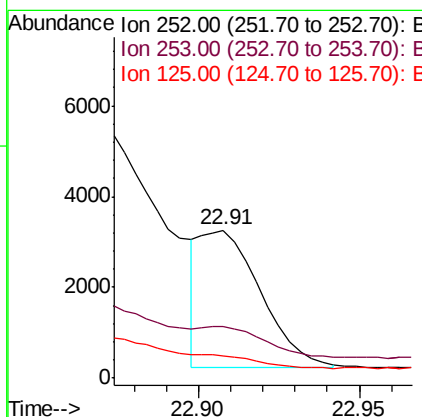
Manual Integrations
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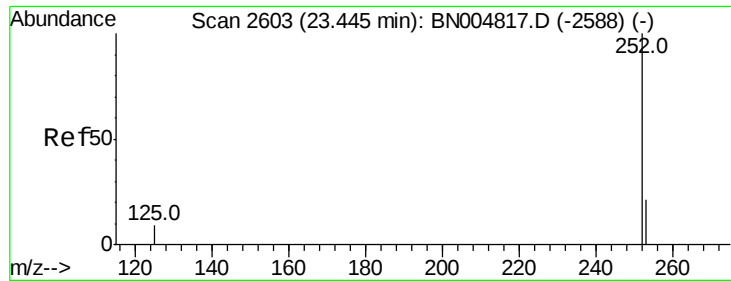
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#36
Benzo(k)fluoranthene
Concen: 0.051 ng m
RT: 22.91 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.6	19.3	28.9#
125	15.3	7.4	11.0#





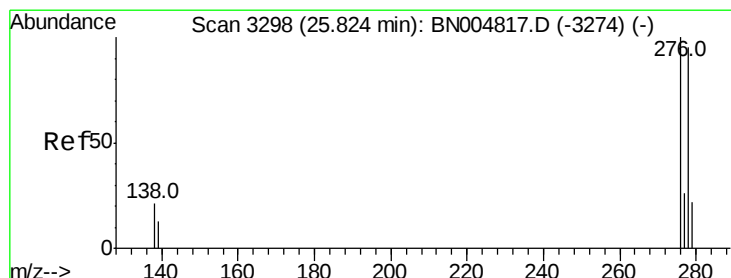
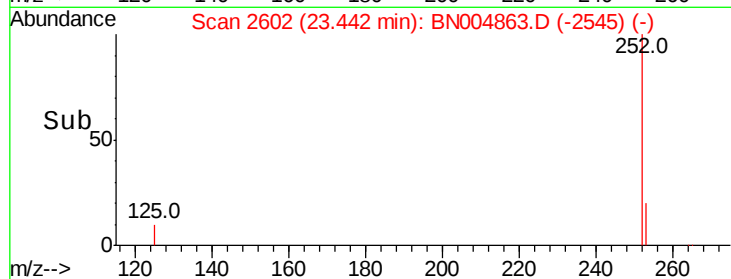
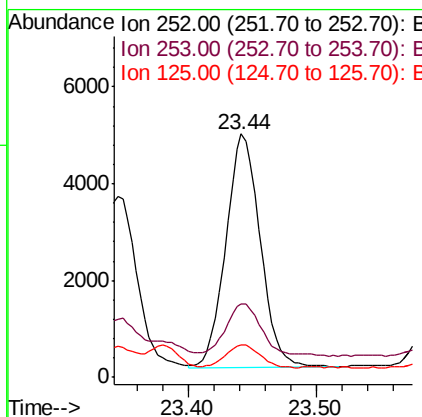
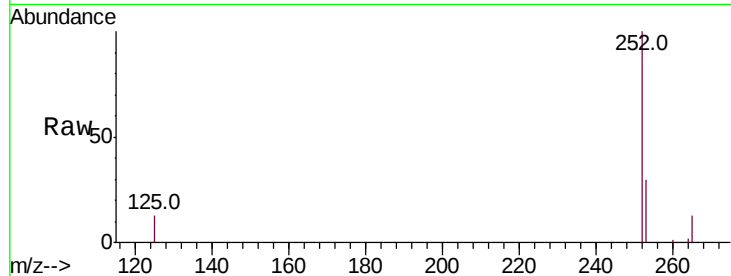
#37
Benzo(a)pyrene
Concen: 0.123 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Instrument :
BNA_N
ClientSampleId :
PST-028-B009-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	19.7	29.5#
125	13.1	8.3	12.5#

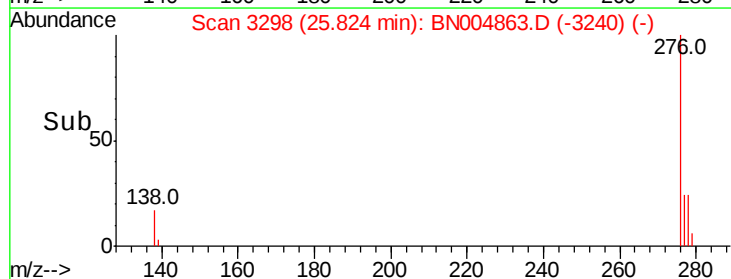
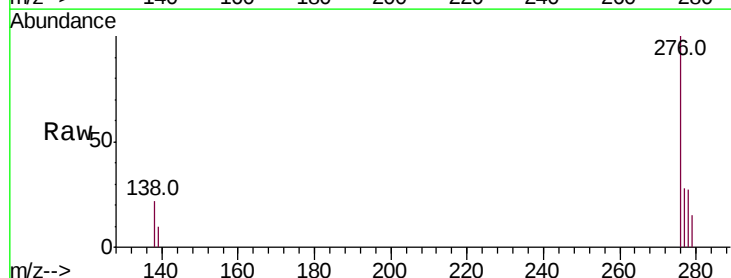
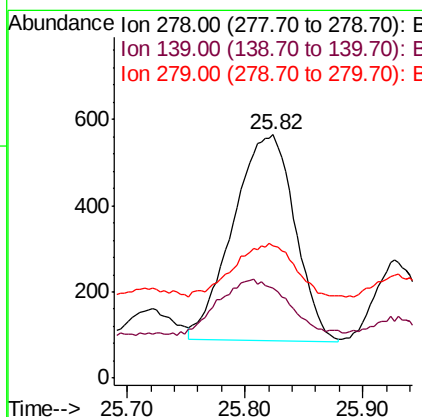
Manual Integrations
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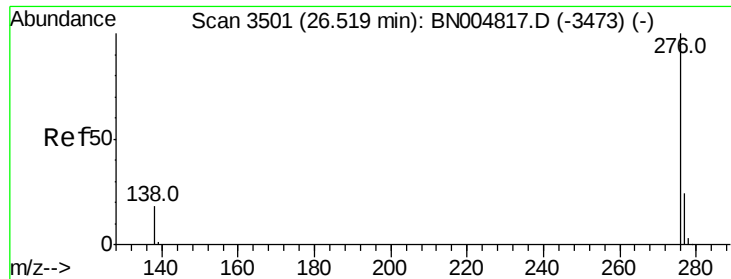
Sohil
3/22/2019 7:16:27 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 25.82 min Scan# 3298
Delta R.T. -0.00 min
Lab File: BN004863.D
Acq: 21 Mar 2019 22:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.8	11.7	17.5#
279	54.2	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.074 ng

RT: 26.52 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BN004863.D

Acq: 21 Mar 2019 22:55

Instrument :

BNA_N

ClientSampleId :

PST-028-B009-030619

Tot Ion:	276	Resp:	6359
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.7	29.5
138	22.1	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/22/2019 7:16:27 PM

