

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004947.D
 Acq On : 24 Mar 2019 19:57
 Operator : JU/SJ
 Sample : K2015-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B159-031919

Manual Integrations
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 3/26/2019 6:33:53 PM

Quant Time: Mar 25 04:07:24 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	7.68	152	3176	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	12520	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6577	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14659	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17354	0.40	ng	-0.01
34) Perylene-d12	23.52	264	18311	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3376	0.39	ng	0.00
5) Phenol-d6	6.86	99	4109	0.38	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3408	0.41	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7211	0.33	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1699	0.37	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	9738	0.36	ng	-0.02
25) Fluoranthene-d10	19.12	212	16116	0.33	ng	-0.02
29) Terphenyl-d14	19.71	244	13897	0.39	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	1379	0.039	ng	# 82
12) 2-Methylnaphthalene	12.14	142	917	0.035	ng	# 94
16) Acenaphthylene	14.05	152	2924	0.086	ng	97
18) Fluorene	15.38	166	810	0.026	ng	# 78
23) Phenanthrene	17.12	178	19089	0.403	ng	99
24) Anthracene	17.22	178	3595	0.085	ng	98
26) Fluoranthene	19.15	202	49786	0.818	ng	# 97
28) Pyrene	19.51	202	47424	0.896	ng	96
30) Benzo(a)anthracene	21.26	228	25735	0.452	ng	92
31) Chrysene	21.31	228	30087	0.502	ng	94
32) Bis(2-ethylhexyl)phthalate	21.17	149	23958	1.054	ng	98
33) Indeno(1,2,3-cd)pyrene	25.79	276	21594	0.249	ng	98
35) Benzo(b)fluoranthene	22.85	252	41958	0.633	ng	# 80
36) Benzo(k)fluoranthene	22.89	252	15052m	0.231	ng	
37) Benzo(a)pyrene	23.42	252	26604	0.438	ng	# 84
38) Dibenzo(a,h)anthracene	25.79	278	6129	0.087	ng	# 26
39) Benzo(g,h,i)perylene	26.49	276	22016	0.307	ng	# 87

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

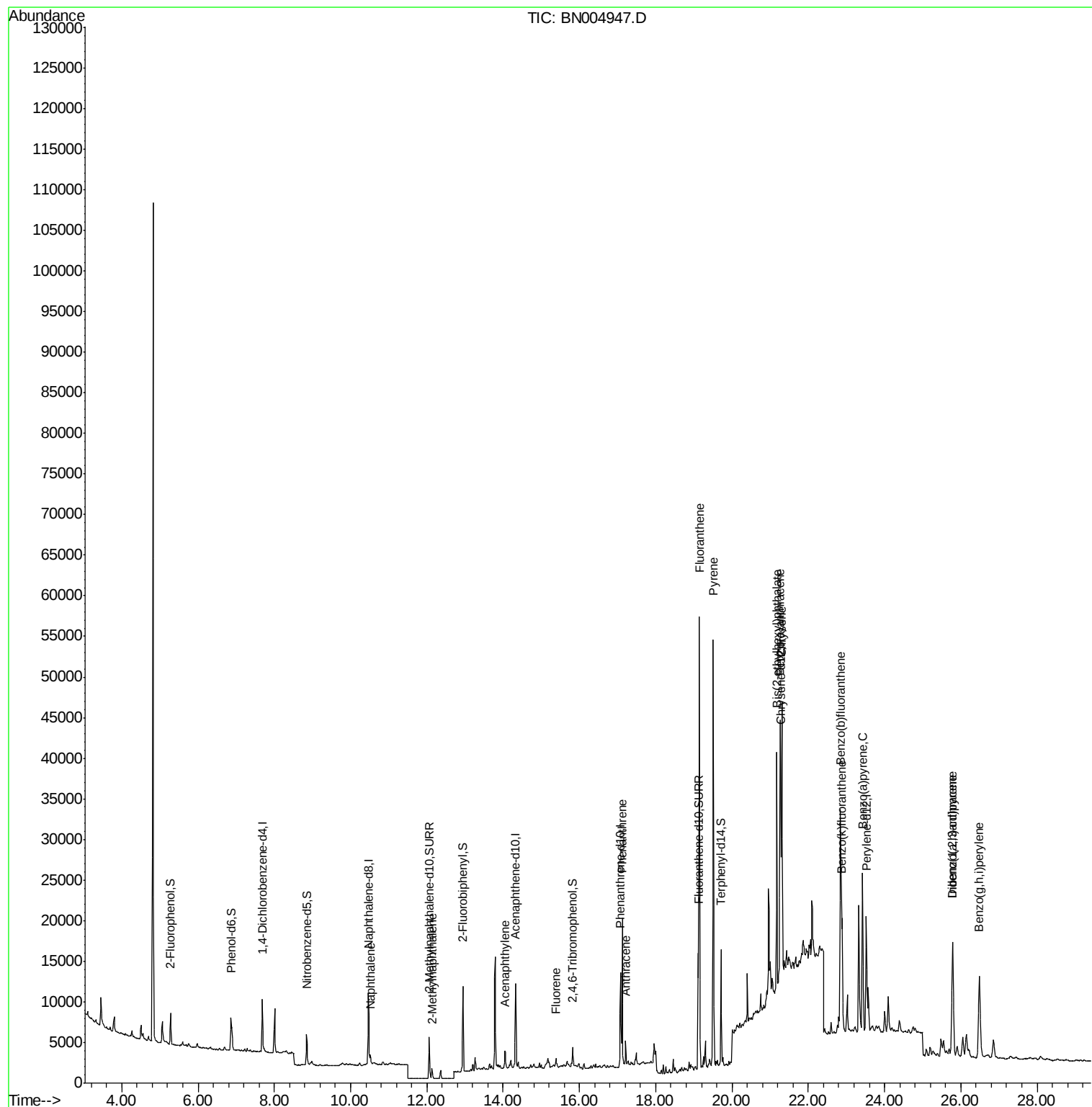
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
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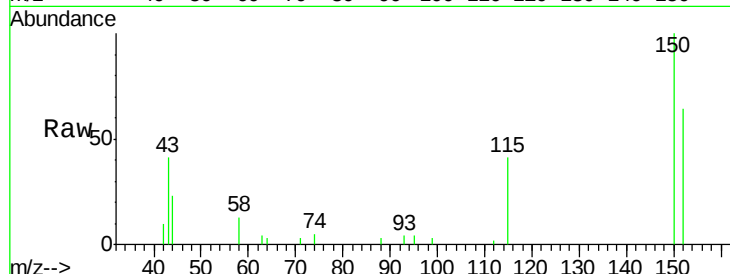




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

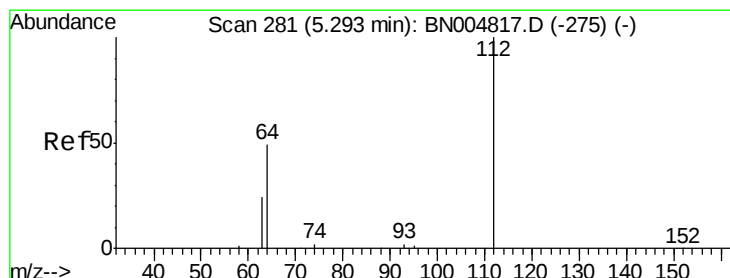
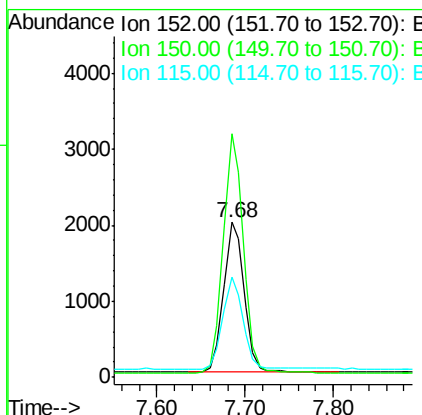
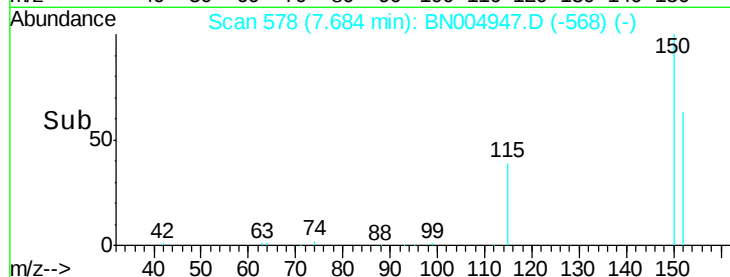
Instrument :
BNA_N
ClientSampleId :
PST-073-B159-031919



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.4
115	65.1	52.6	79.0

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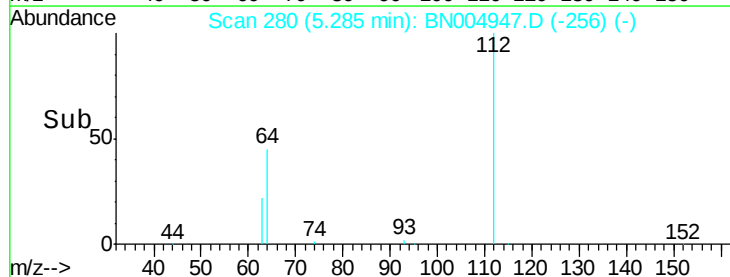
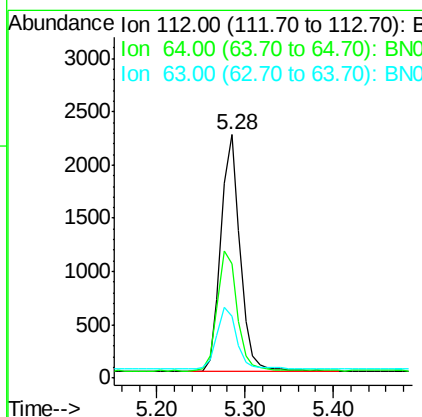
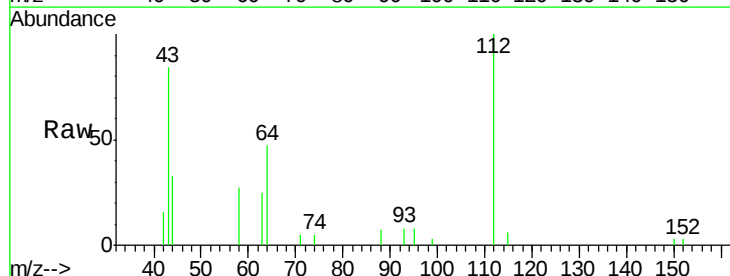
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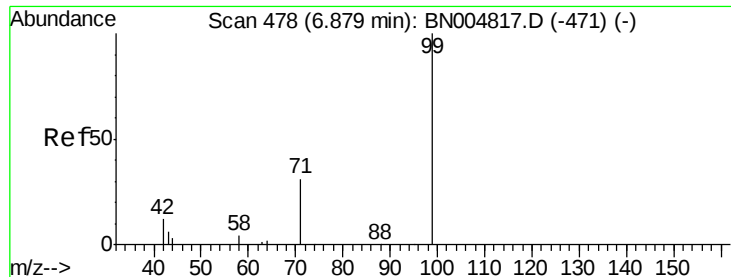


#4

2-Fluorophenol
Concen: 0.391 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	40.0	60.0
63	27.4	20.2	30.2





#5

Phenol-d6

Concen: 0.382 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

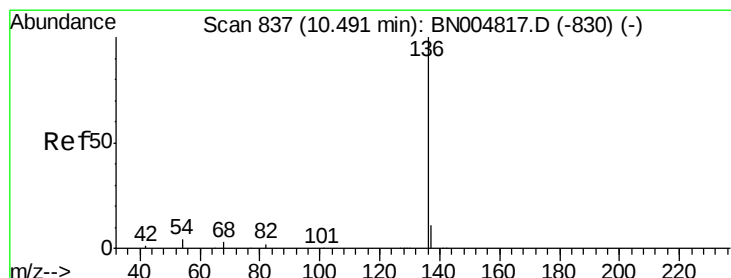
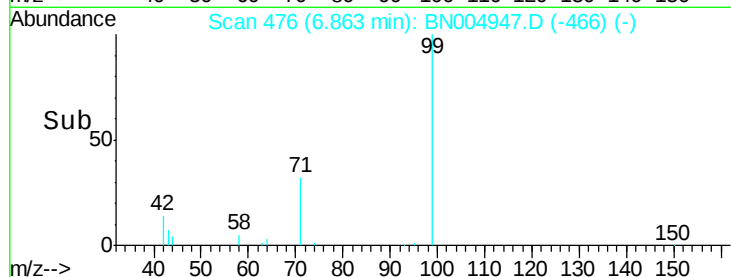
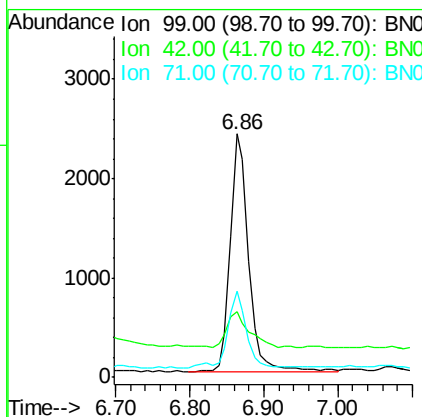
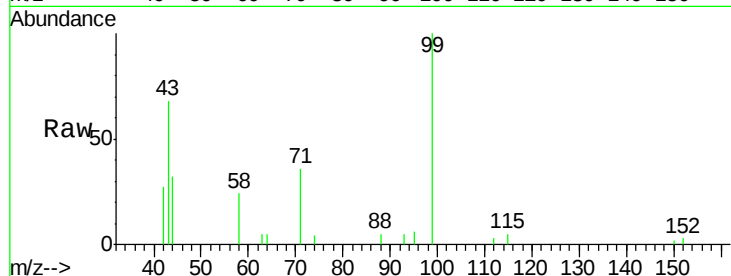
ClientSampleId :

PST-073-B159-031919

Tgt Ion:	99	Resp:	4109
Ion	Ratio	Lower	Upper
99	100		
42	18.8	12.7	19.1
71	33.4	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

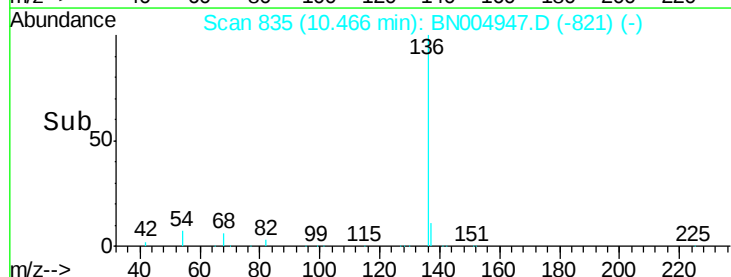
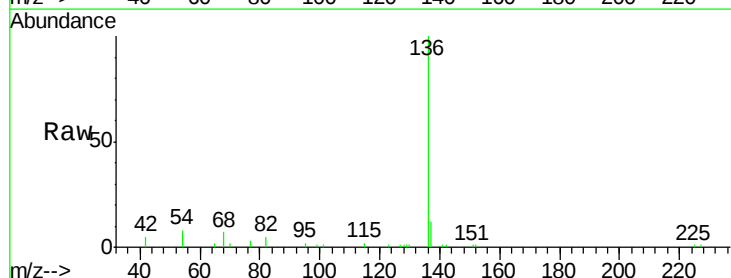
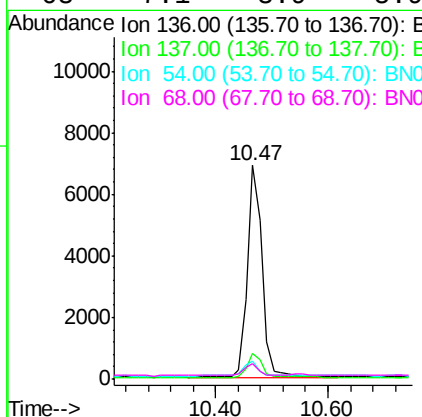
RT: 10.47 min Scan# 835

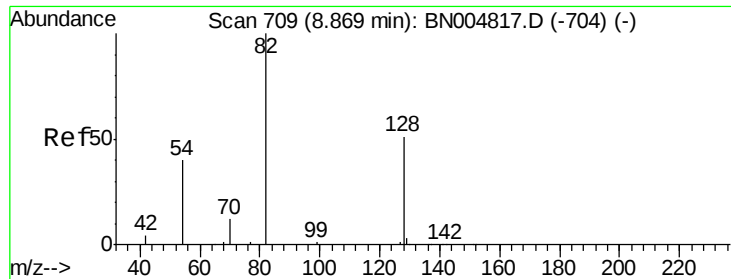
Delta R.T. -0.03 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	136	Resp:	12520
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	8.1	4.2	6.2#
68	7.1	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.412 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

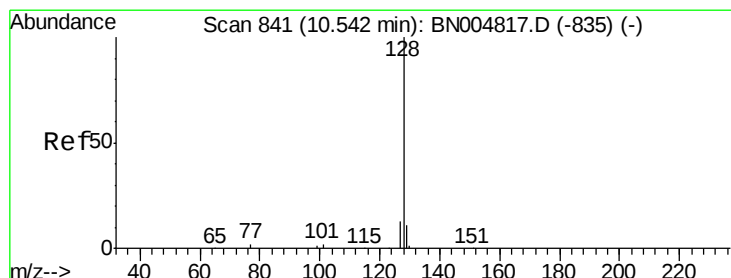
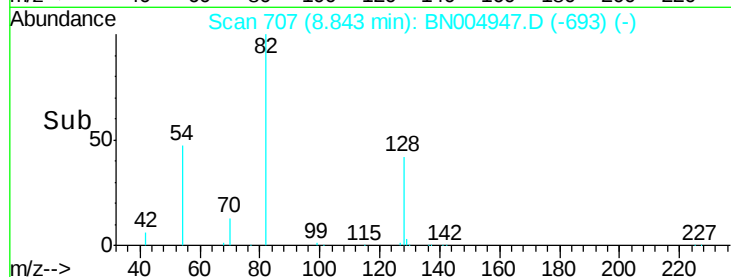
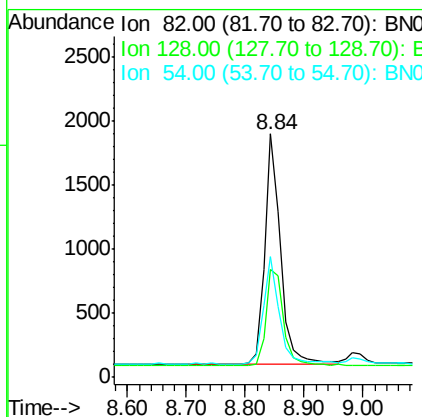
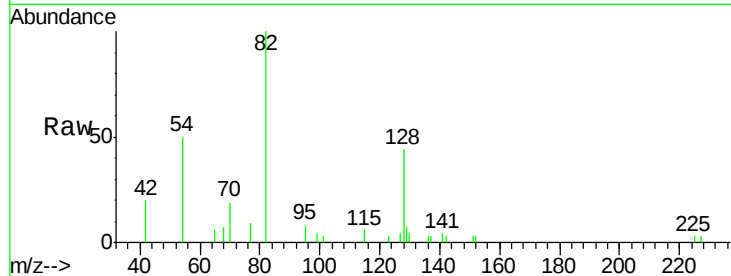
ClientSampleId :

PST-073-B159-031919

Tgt Ion:	82	Resp:	3408
Ion Ratio	Lower	Upper	
82	100		
128	44.5	43.0	64.6
54	49.8	35.3	52.9

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#9

Naphthalene

Concen: 0.039 ng

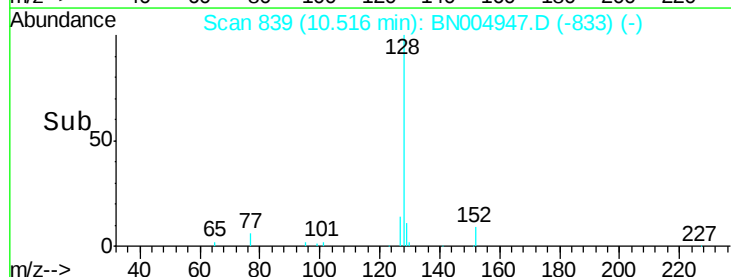
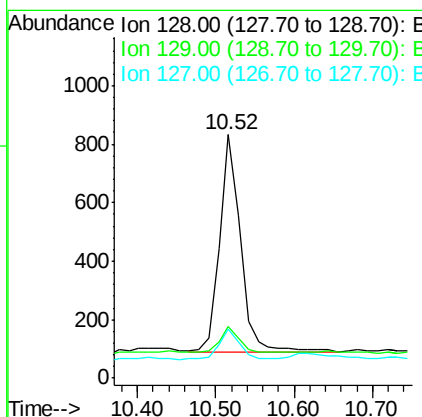
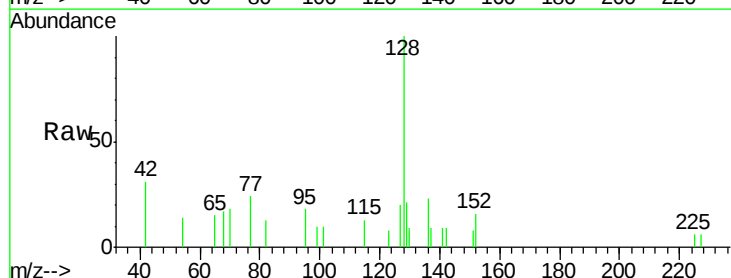
RT: 10.52 min Scan# 839

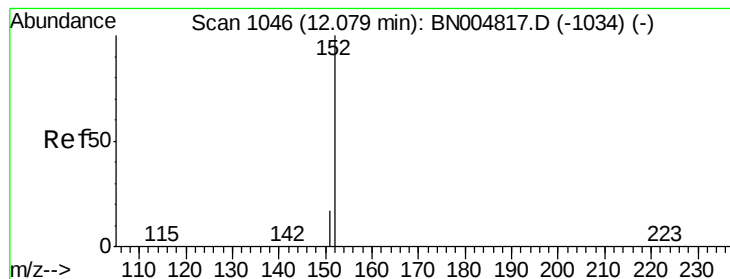
Delta R.T. -0.03 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	128	Resp:	1379
Ion Ratio	Lower	Upper	
128	100		
129	21.0	9.9	14.9#
127	20.0	11.3	16.9#





#11

2-Methylnaphthalene-d10

Concen: 0.330 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

ClientSampleId :

PST-073-B159-031919

Tgt Ion:152 Resp: 7211

Ion Ratio Lower Upper

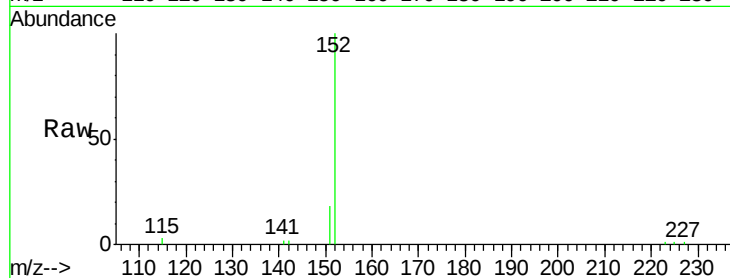
152 100

151 19.8 15.5 23.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.06

5000

4000

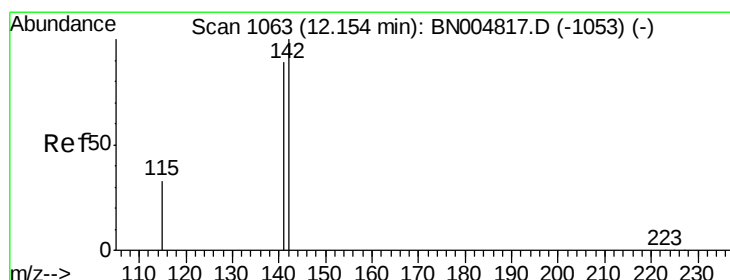
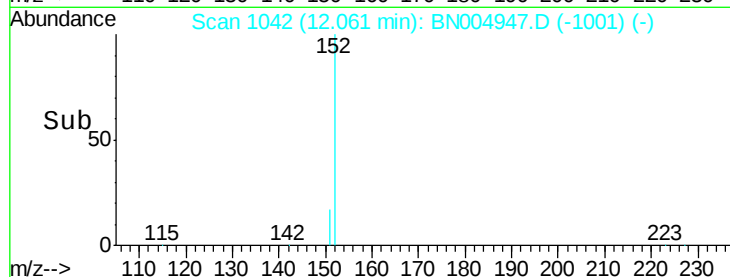
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.035 ng

RT: 12.14 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

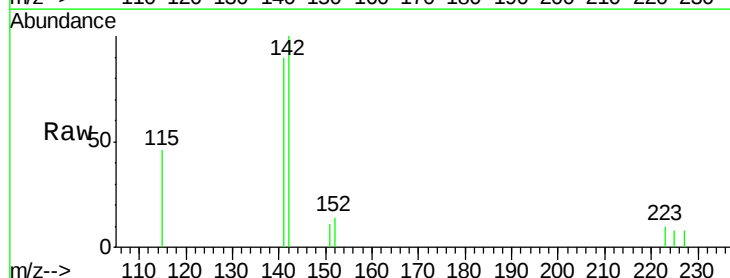
Tgt Ion:142 Resp: 917

Ion Ratio Lower Upper

142 100

141 89.7 71.4 107.2

115 46.0 27.5 41.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

800

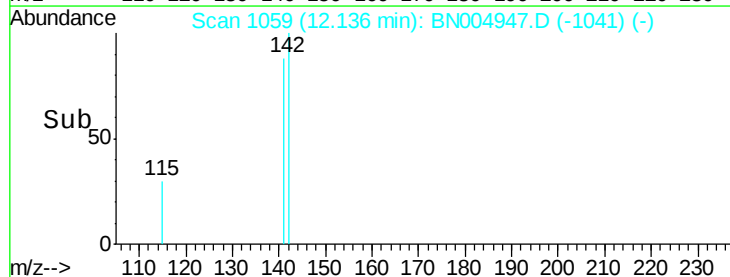
600

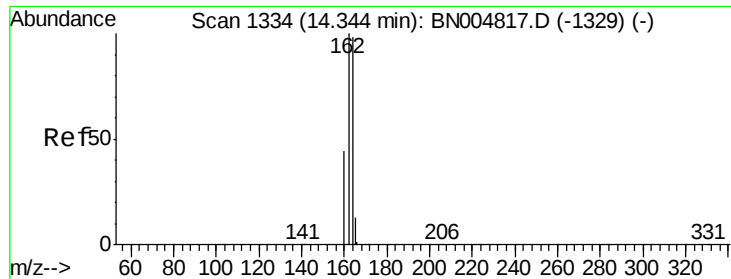
400

200

0

Time-->





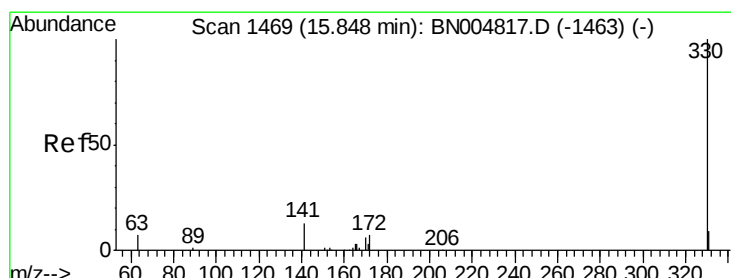
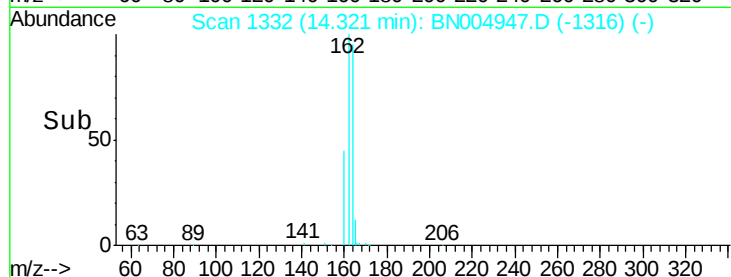
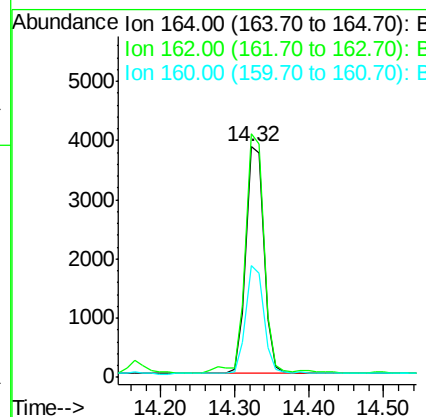
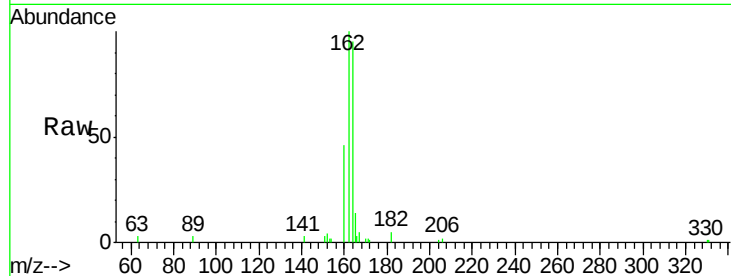
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

Instrument :
BNA_N
ClientSampleId :
PST-073-B159-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	81.9	122.9
160	48.8	36.6	54.8

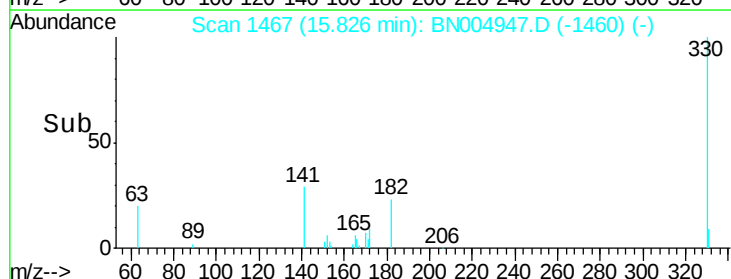
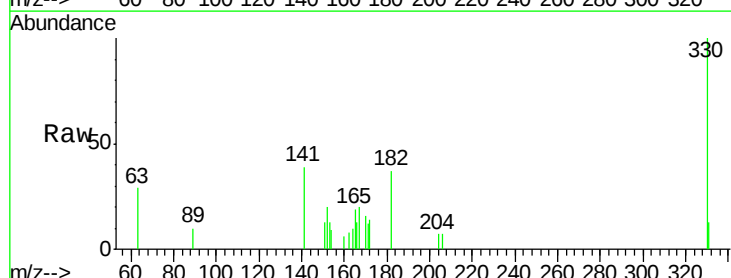
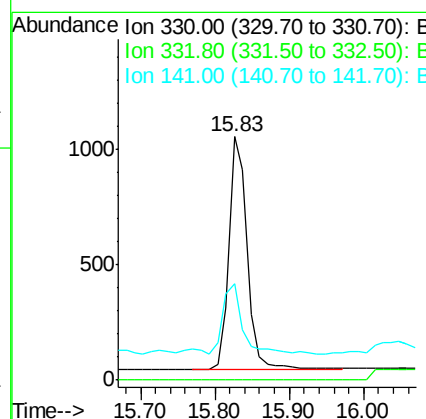
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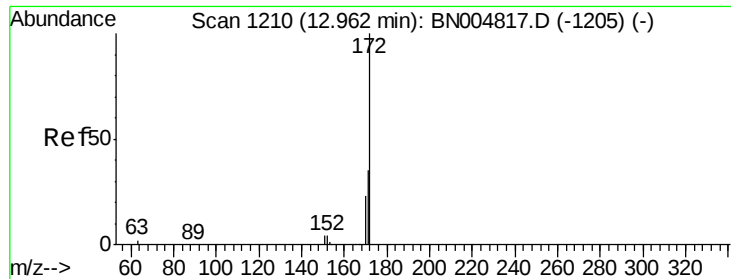
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#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.8	20.9	31.3#





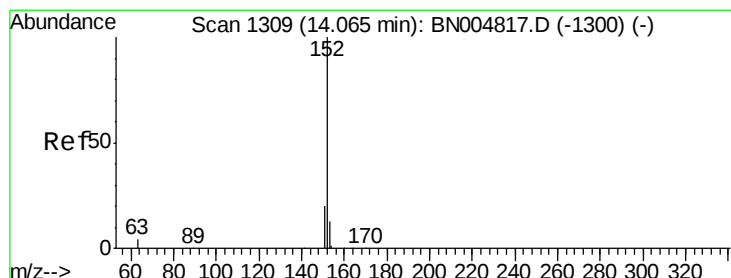
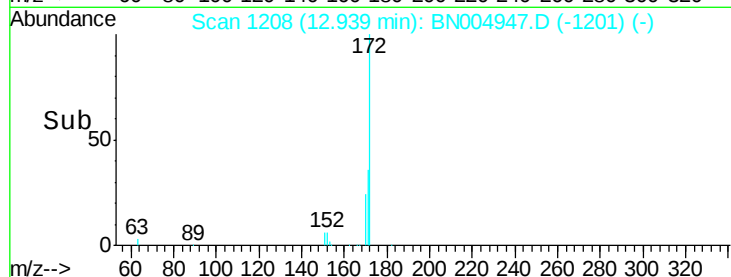
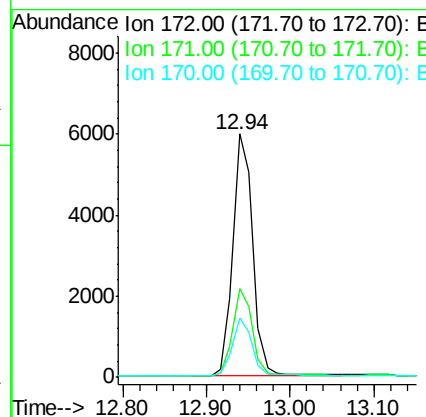
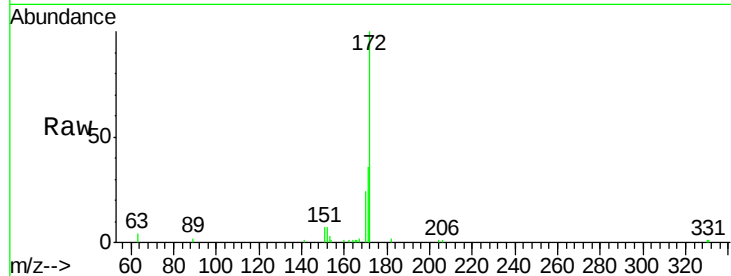
#15
2-Fluorobiphenyl
Concen: 0.358 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

Instrument :
BNA_N
ClientSampleId :
PST-073-B159-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.7	43.1
170	24.4	18.7	28.1

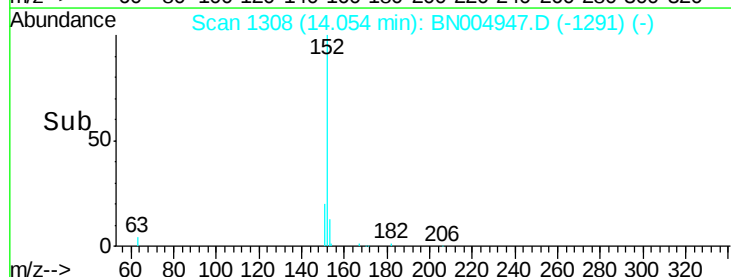
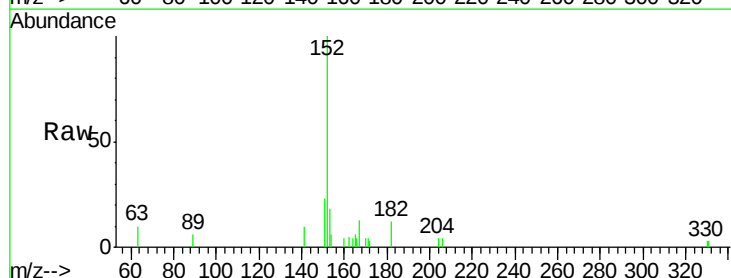
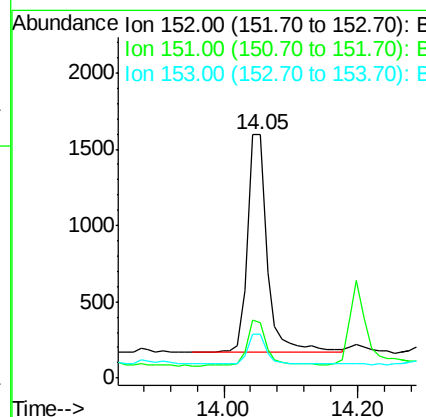
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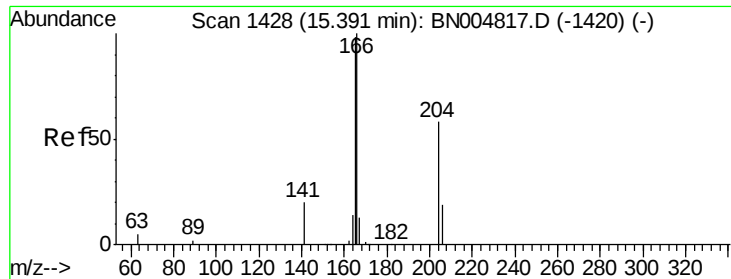
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#16
Acenaphthylene
Concen: 0.086 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.1	24.1
153	13.6	10.5	15.7





#18

Fluorene

Concen: 0.026 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

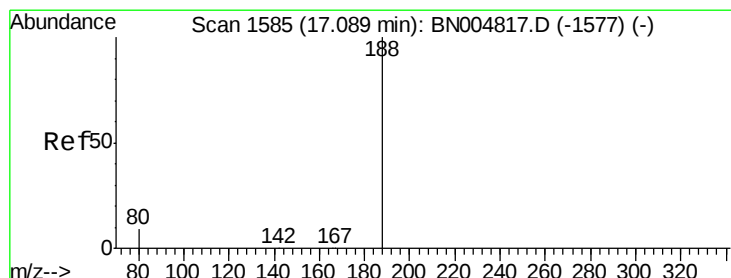
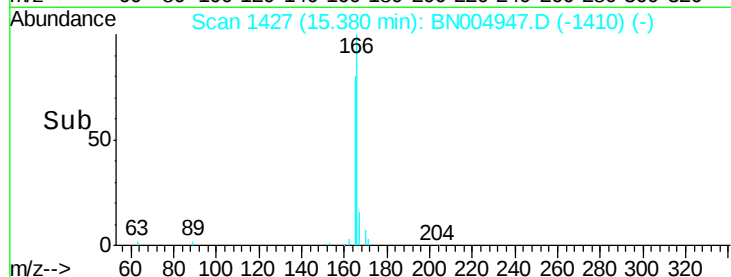
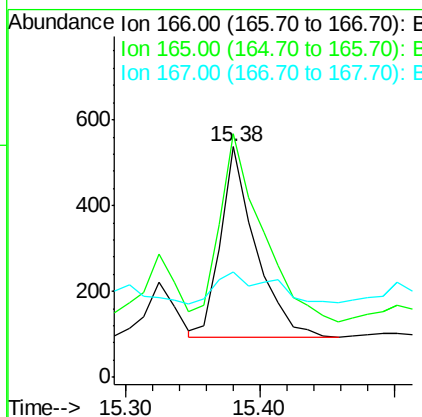
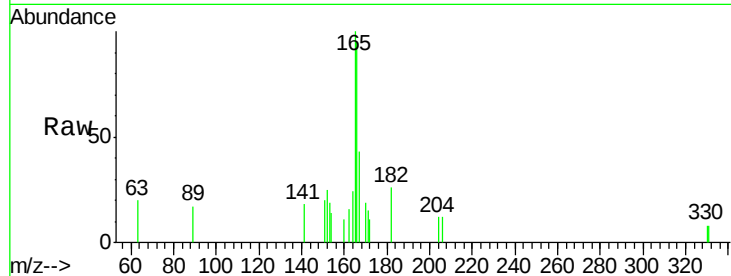
ClientSampleId :

PST-073-B159-031919

Tgt Ion:	166	Resp:	810
Ion Ratio	Lower	Upper	
166	100		
165	118.3	78.2	117.4#
167	25.7	11.0	16.4#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

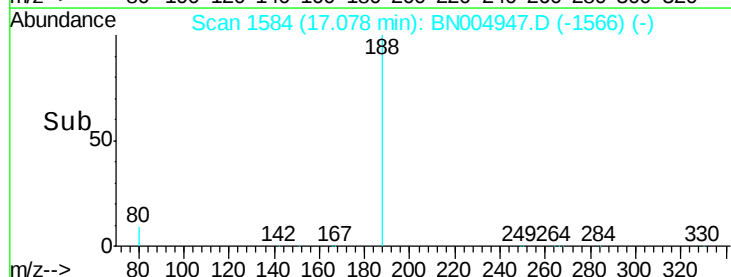
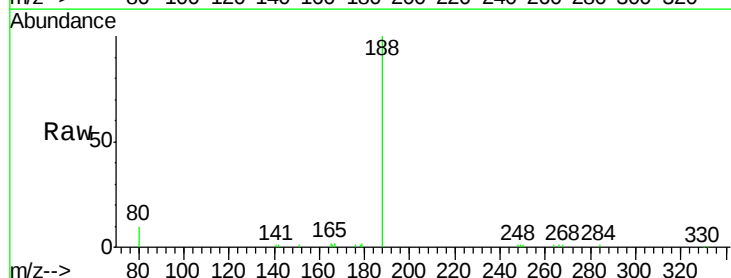
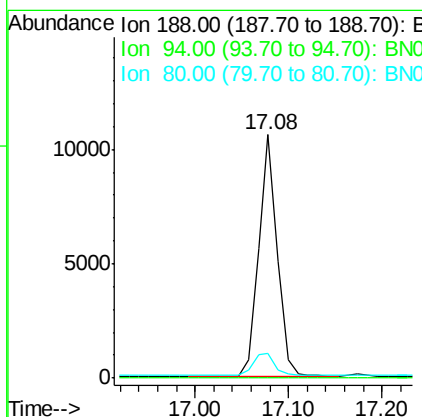
RT: 17.08 min Scan# 1584

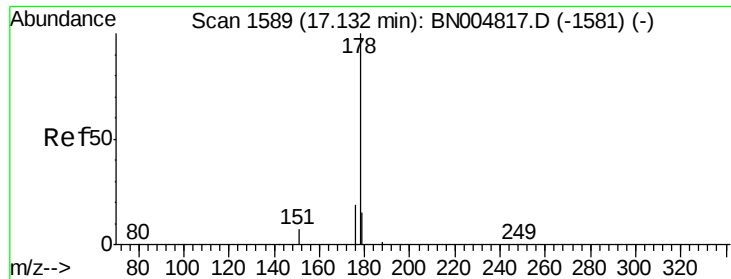
Delta R.T. -0.01 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	188	Resp:	14659
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.9	7.4	11.2





#23

Phenanthrene

Concen: 0.403 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

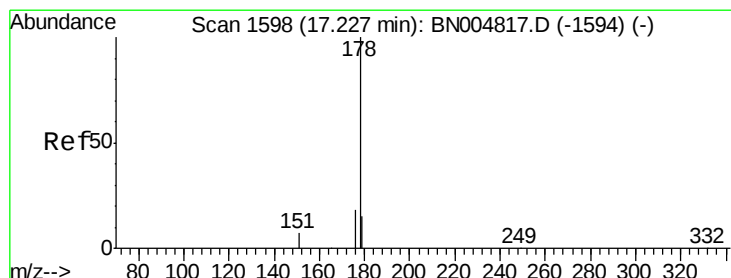
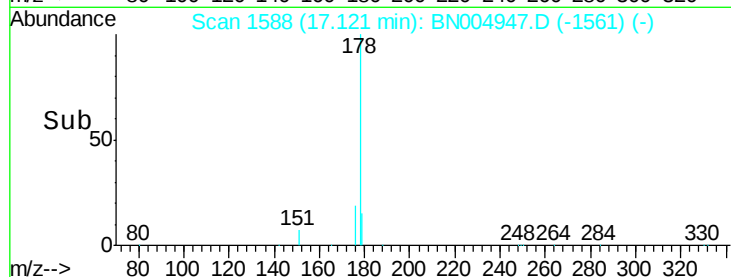
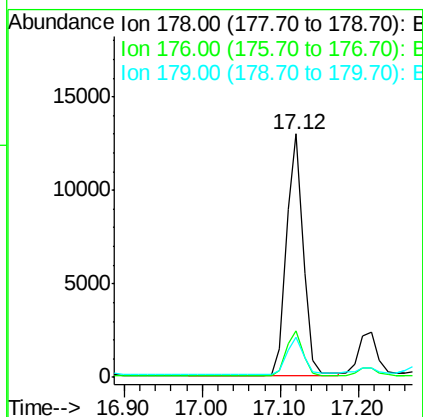
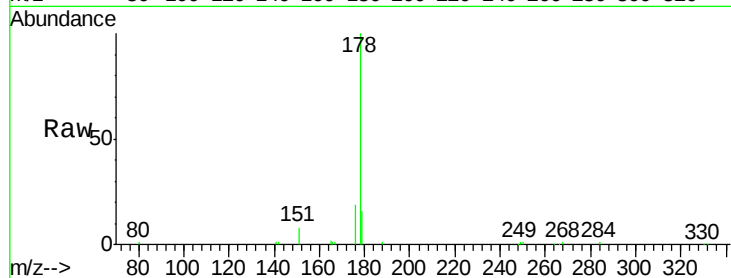
ClientSampleId :

PST-073-B159-031919

Tgt Ion:	178	Resp:	19089
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	16.3	12.1	18.1

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#24

Anthracene

Concen: 0.085 ng

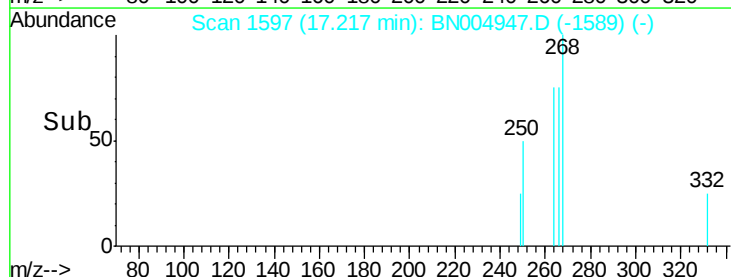
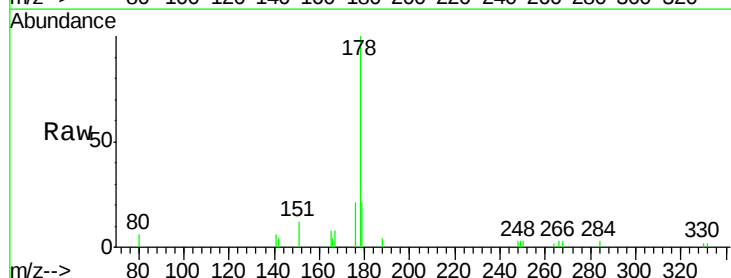
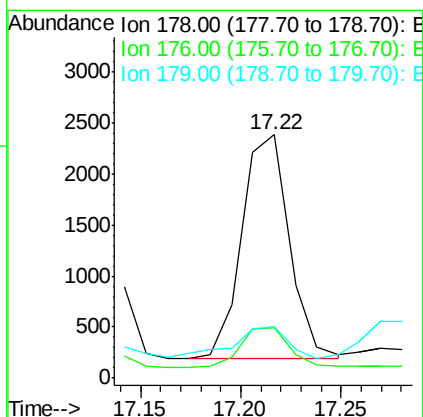
RT: 17.22 min Scan# 1597

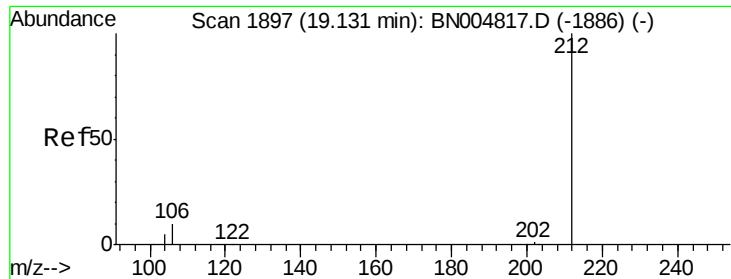
Delta R.T. -0.01 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	178	Resp:	3595
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.5	21.7
179	15.8	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.328 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

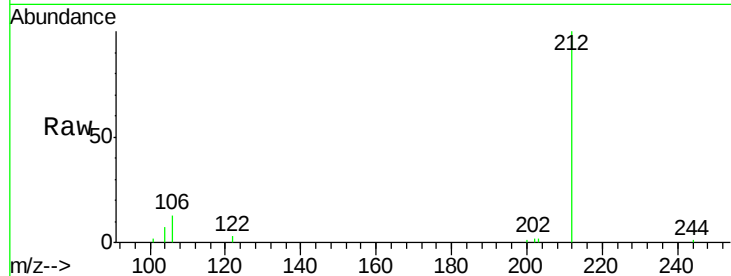
ClientSampleId :

PST-073-B159-031919

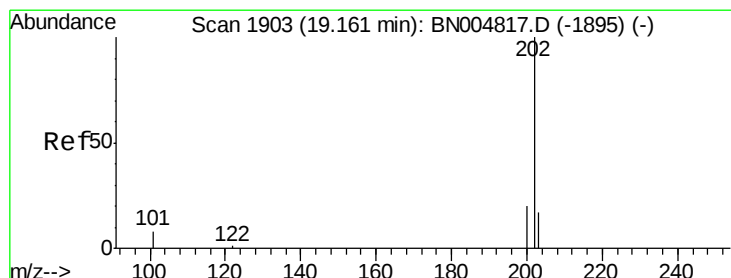
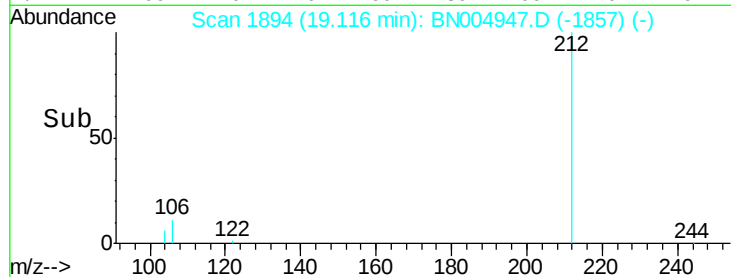
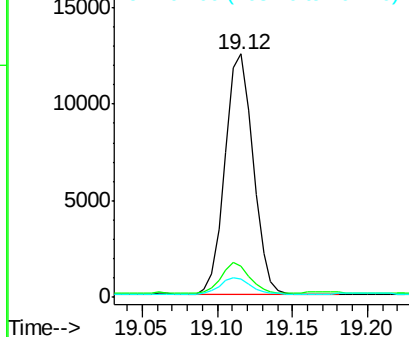
Tgt Ion:	212	Resp:	16116
Ion Ratio	Lower	Upper	
212	100		
106	12.7	8.6	13.0
104	7.1	4.7	7.1

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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: 0.818 ng

RT: 19.15 min Scan# 1900

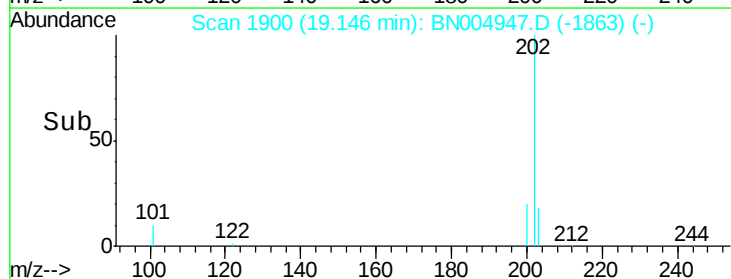
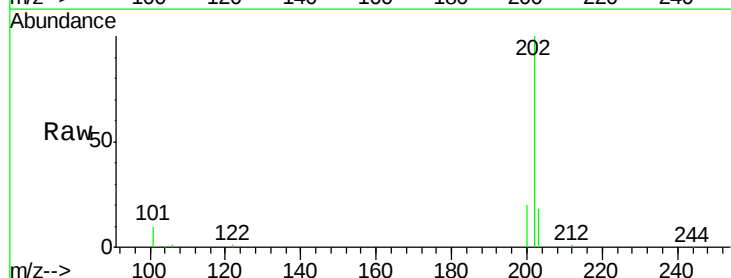
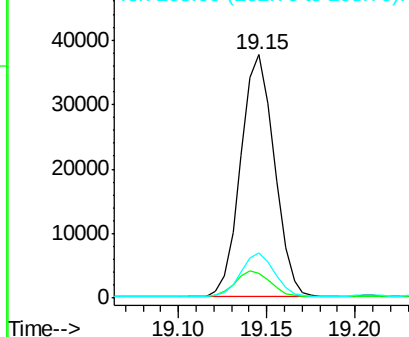
Delta R.T. -0.02 min

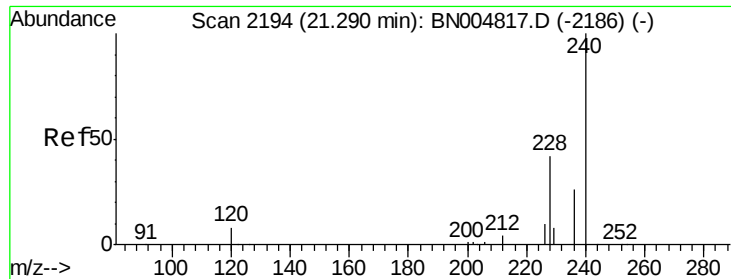
Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	202	Resp:	49786
Ion Ratio	Lower	Upper	
202	100		
101	11.6	7.5	11.3#
203	17.7	13.8	20.6

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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

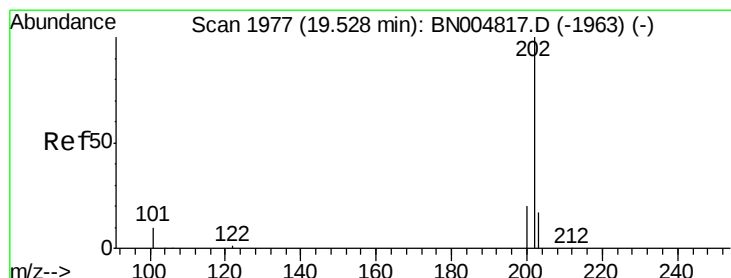
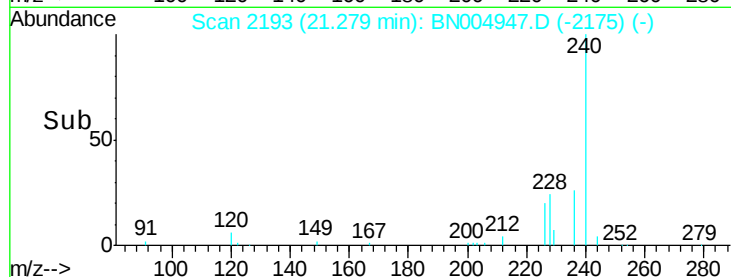
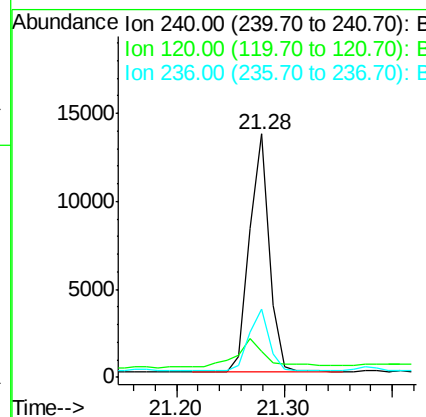
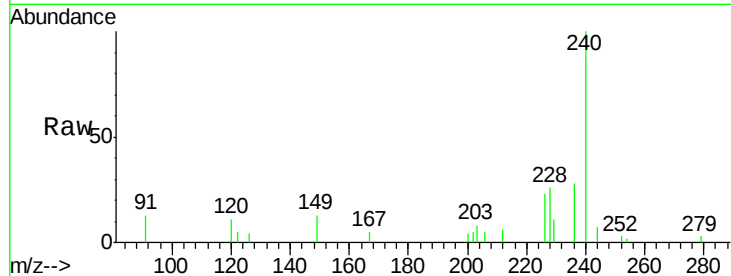
ClientSampleId :

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Tgt Ion:	240	Resp:	17354
Ion Ratio	Lower	Upper	
240	100		
120	10.6	7.2	10.8
236	27.9	20.9	31.3

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#28

Pyrene

Concen: 0.896 ng

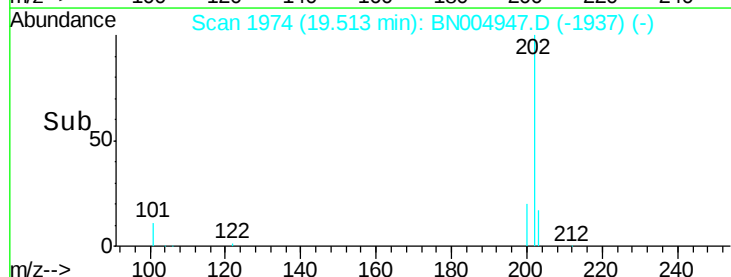
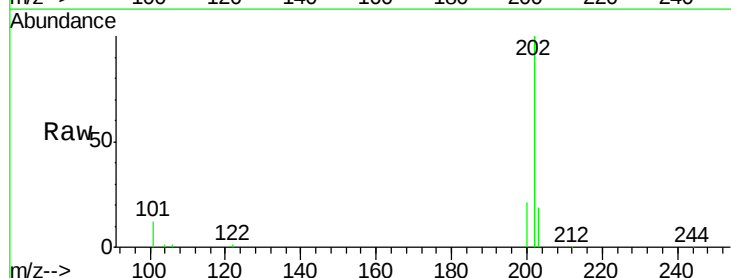
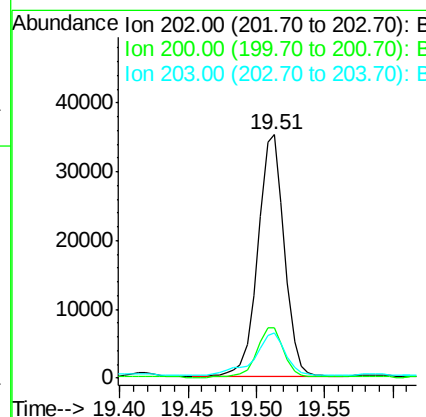
RT: 19.51 min Scan# 1974

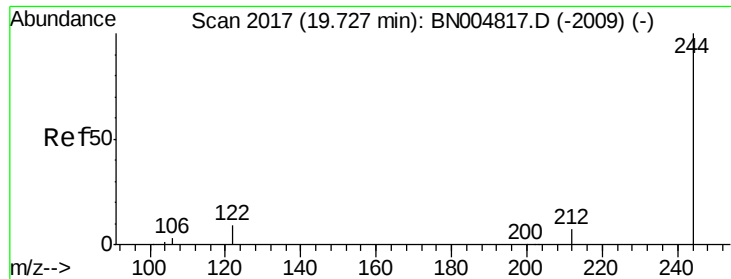
Delta R.T. -0.02 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	202	Resp:	47424
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.3	24.5
203	20.5	14.0	21.0





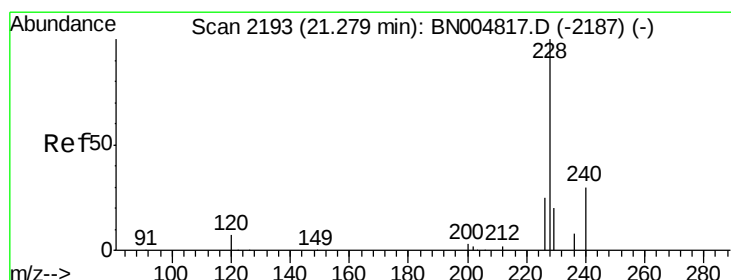
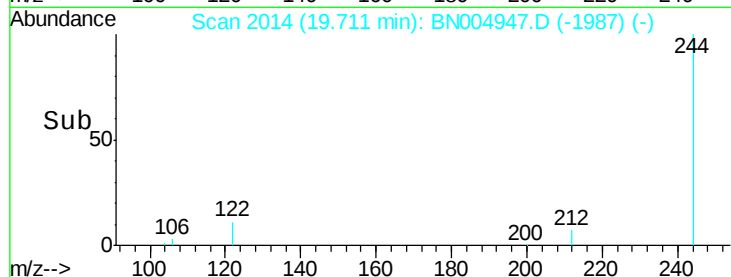
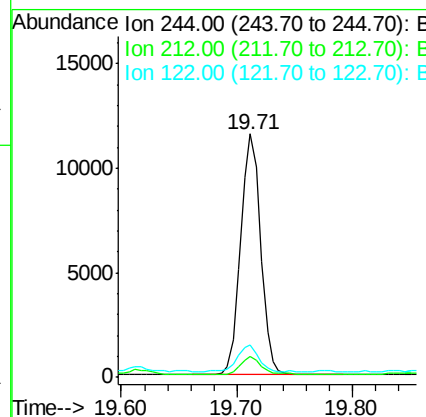
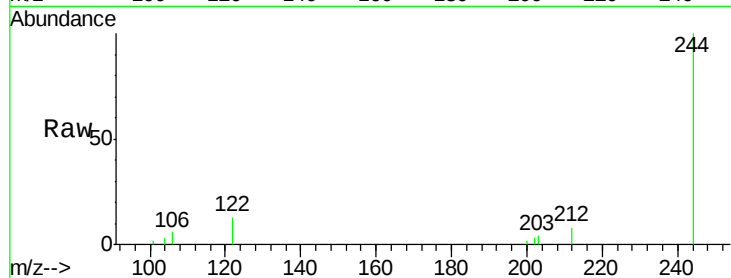
#29
 Terphenyl-d14
 Concen: 0.391 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004947.D
 Acq: 24 Mar 2019 19:57

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B159-031919

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.6
122	13.1	7.9	11.9

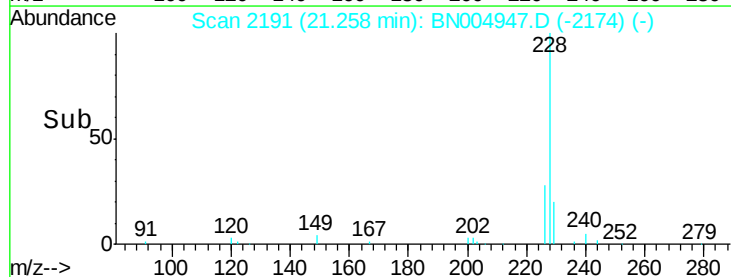
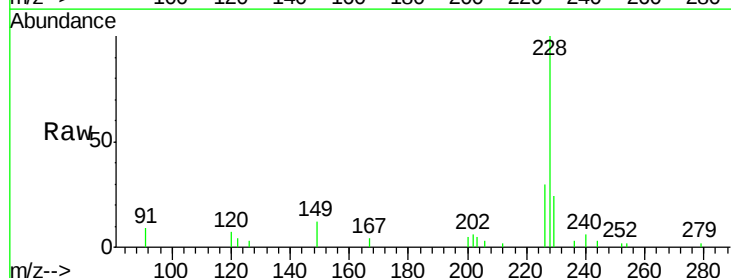
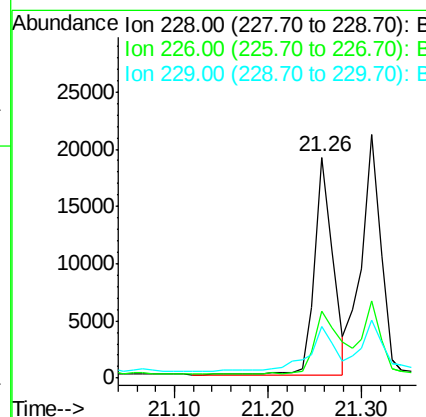
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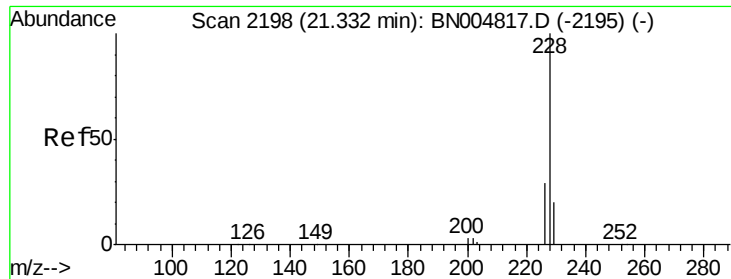
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#30
 Benzo(a)anthracene
 Concen: 0.452 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BN004947.D
 Acq: 24 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	20.6	31.0
229	23.6	16.2	24.4





#31

Chrysene

Concen: 0.502 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

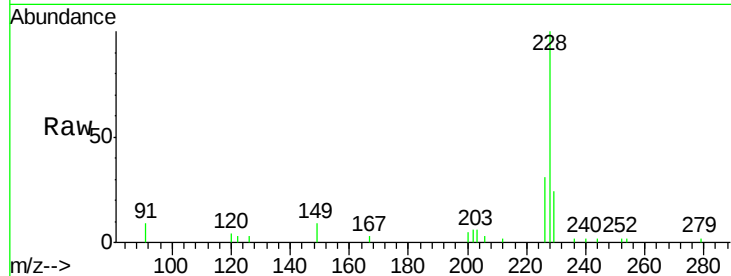
ClientSampleId :

PST-073-B159-031919

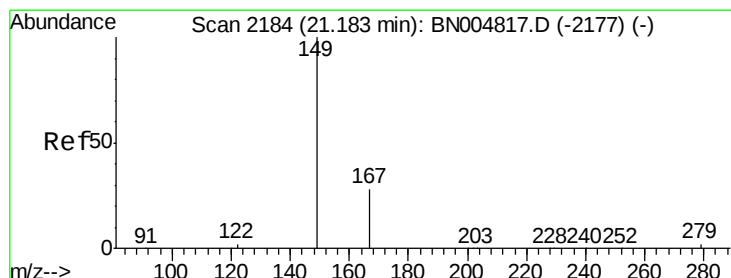
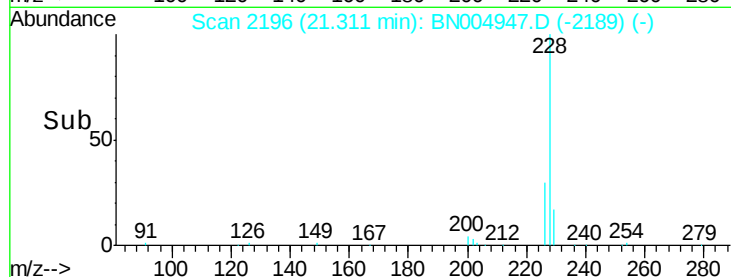
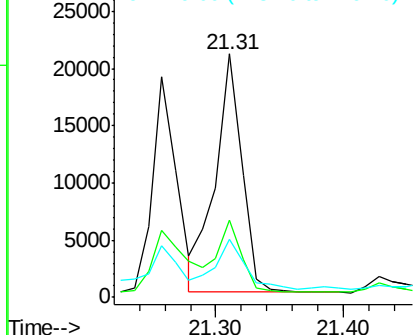
Tgt Ion:	228	Resp:	30087
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.0	34.6
229	23.8	16.2	24.2

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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: 1.054 ng

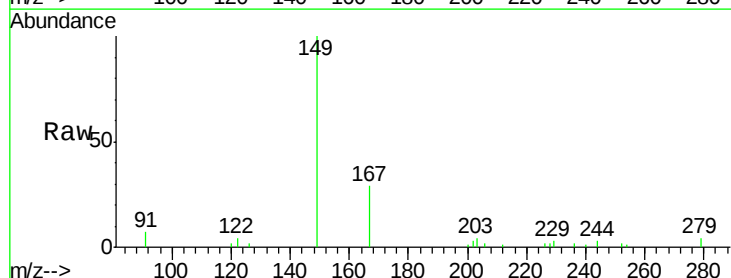
RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

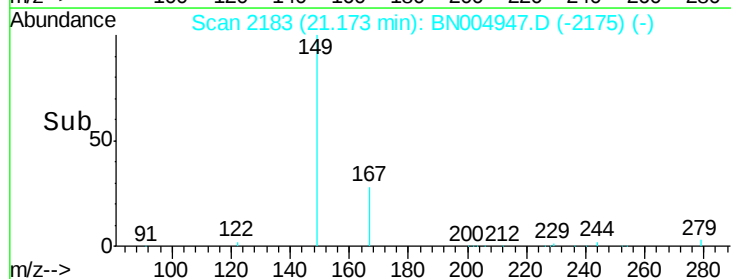
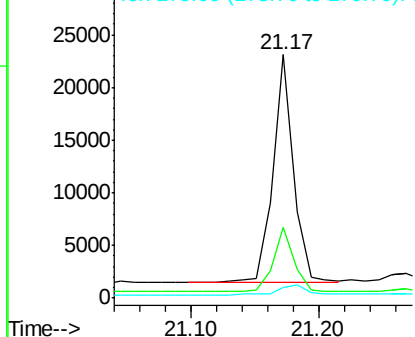
Lab File: BN004947.D

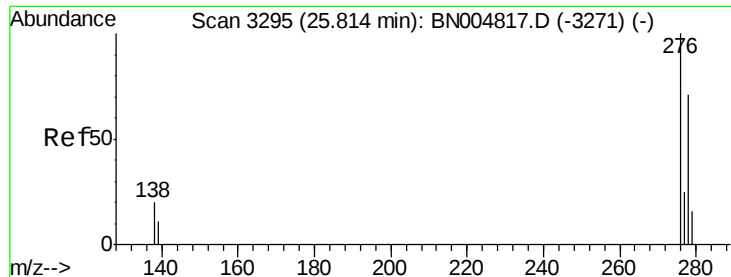
Acq: 24 Mar 2019 19:57

Tgt Ion:	149	Resp:	23958
Ion Ratio	Lower	Upper	
149	100		
167	27.7	23.0	34.4
279	5.2	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: 0.249 ng

RT: 25.79 min Scan# 3287

Delta R.T. -0.03 min

Lab File: BN004947.D

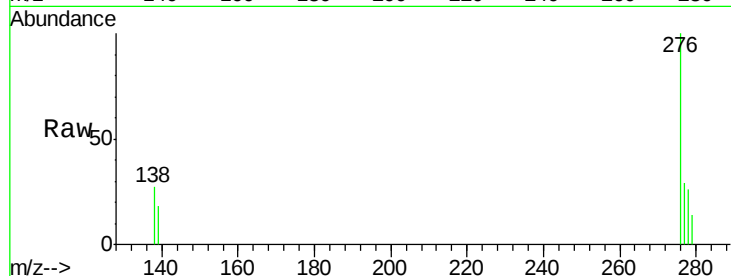
Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

ClientSampleId :

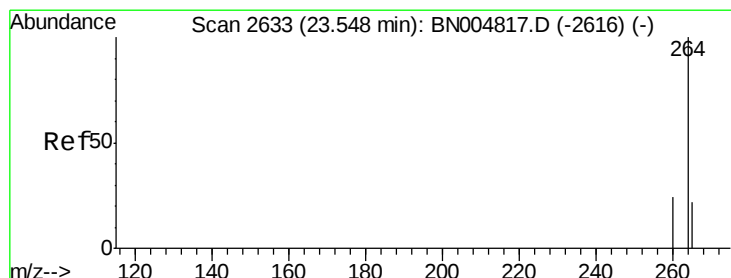
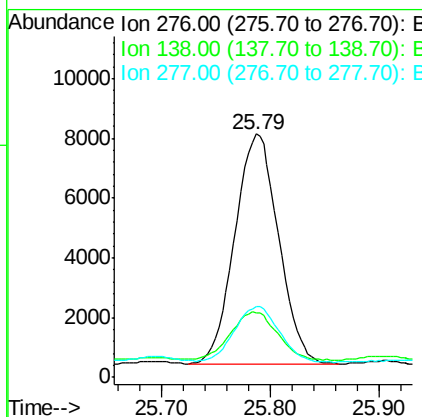
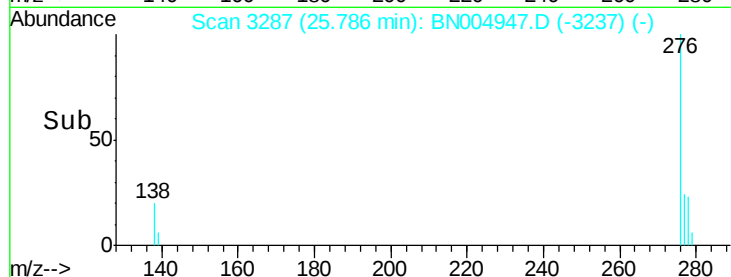
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Tgt Ion:	276	Resp:	21594
Ion Ratio	Lower	Upper	
276	100		
138	22.3	16.6	24.8
277	24.8	20.3	30.5

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#34

Perylene-d12

Concen: 0.400 ng

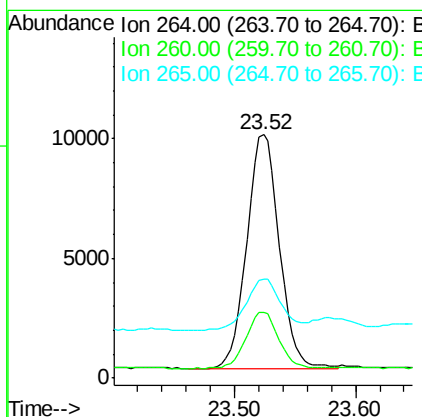
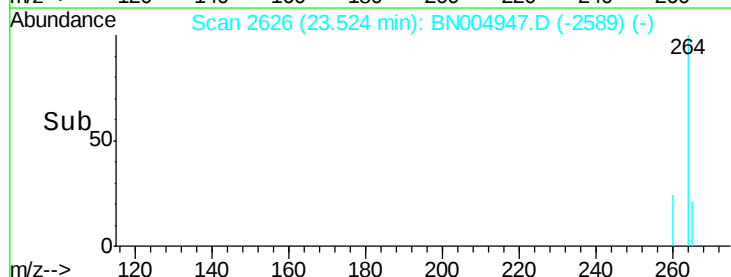
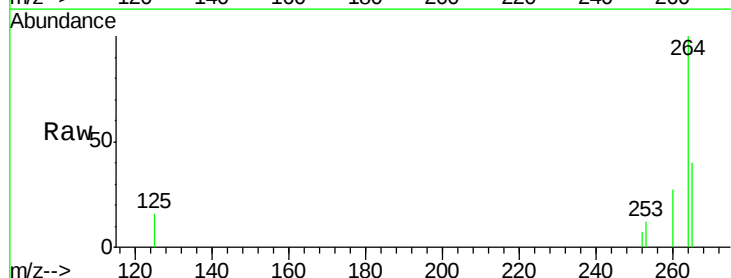
RT: 23.52 min Scan# 2626

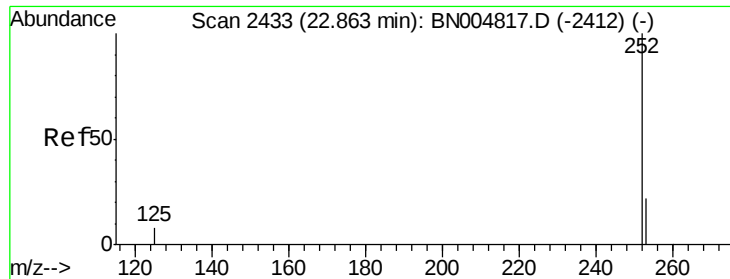
Delta R.T. -0.02 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	264	Resp:	18311
Ion Ratio	Lower	Upper	
264	100		
260	27.2	19.5	29.3
265	40.5	23.1	34.7#





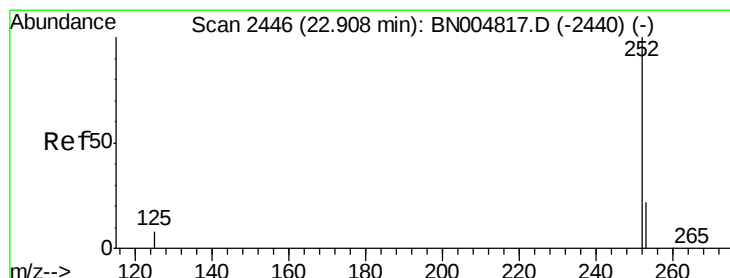
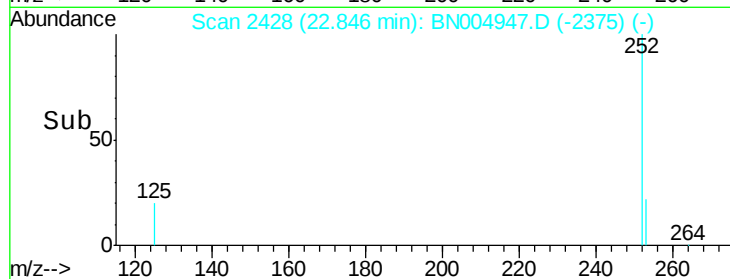
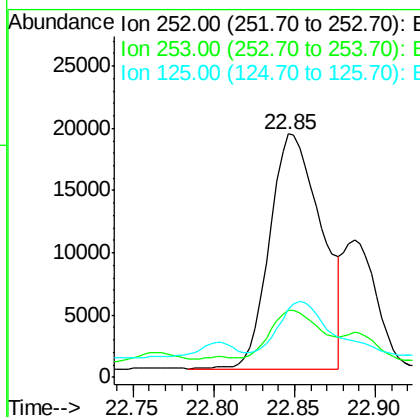
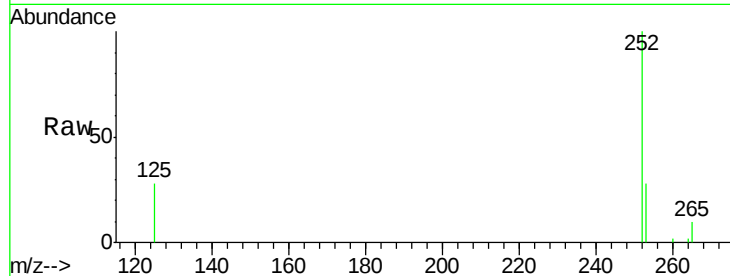
#35
Benzo(b)fluoranthene
Concen: 0.633 ng
RT: 22.85 min Scan# 2428
Delta R.T. -0.02 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

Instrument :
BNA_N
ClientSampleId :
PST-073-B159-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	19.0	28.4
125	27.9	7.4	11.2

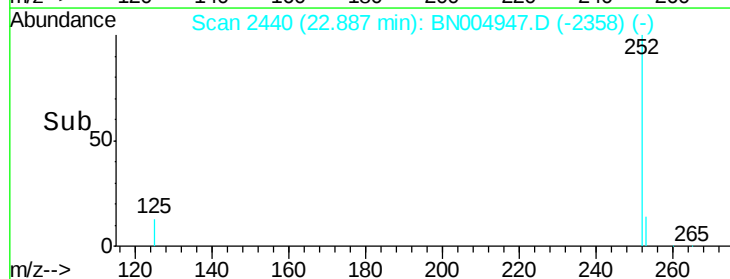
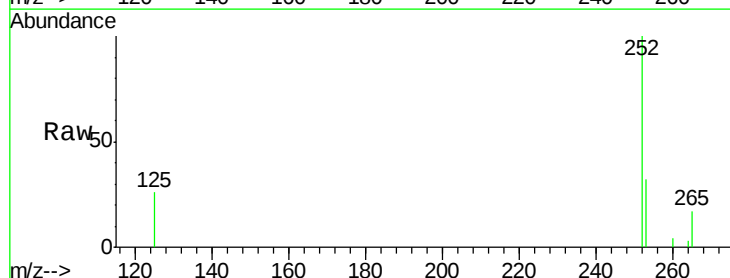
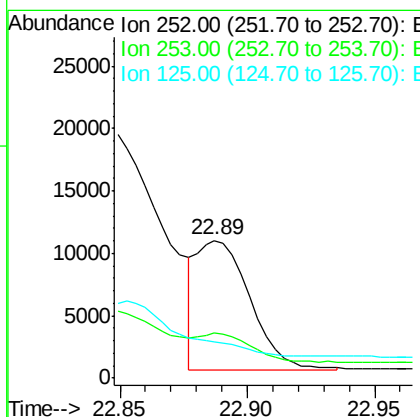
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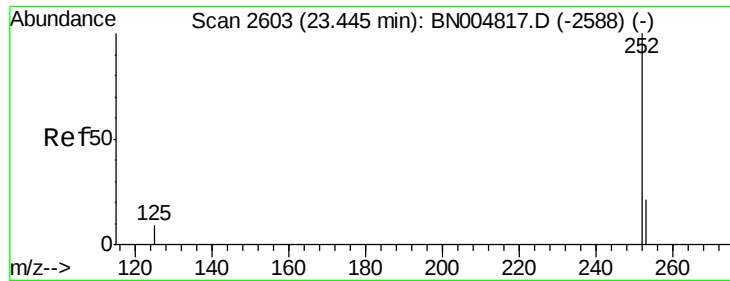
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#36
Benzo(k)fluoranthene
Concen: 0.231 ng m
RT: 22.89 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BN004947.D
Acq: 24 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.4	19.3	28.9
125	26.4	7.4	11.0





#37

Benzo(a)pyrene

Concen: 0.438 ng

RT: 23.42 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BN004947.D

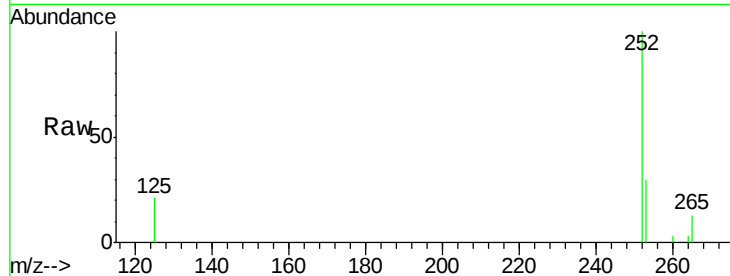
Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

ClientSampleId :

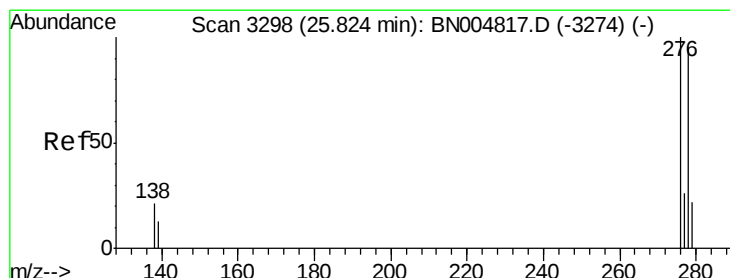
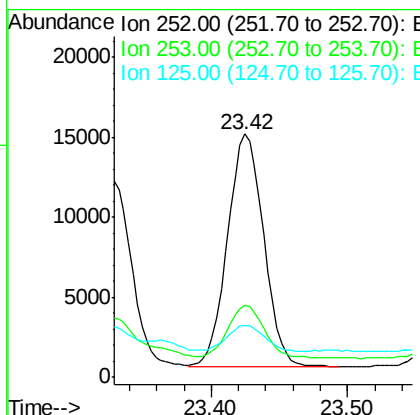
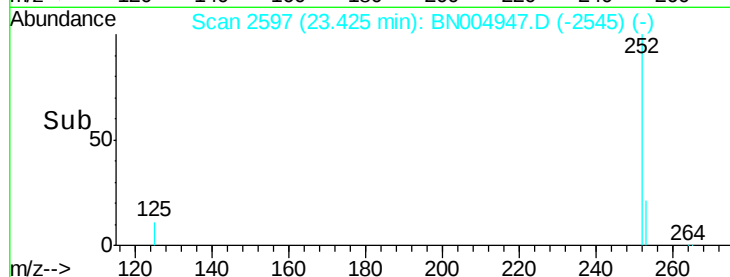
PST-073-B159-031919



Tgt Ion:	252	Resp:	26604
Ion Ratio	Lower	Upper	
252	100		
253	29.6	19.7	29.5#
125	21.4	8.3	12.5#

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#38

Dibenzo(a,h)anthracene

Concen: 0.087 ng

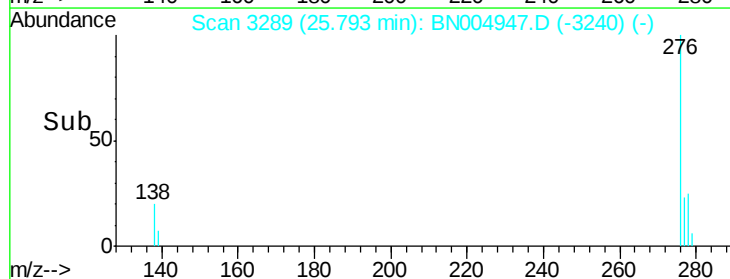
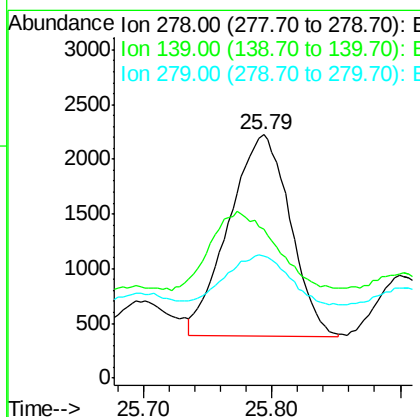
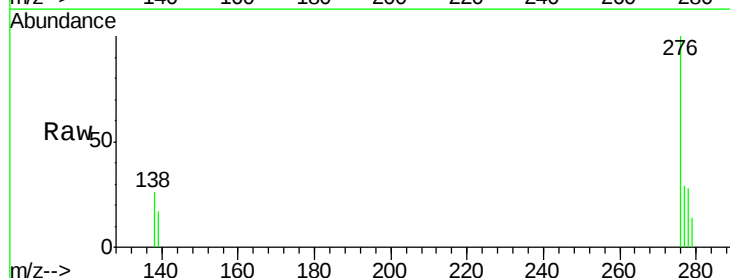
RT: 25.79 min Scan# 3289

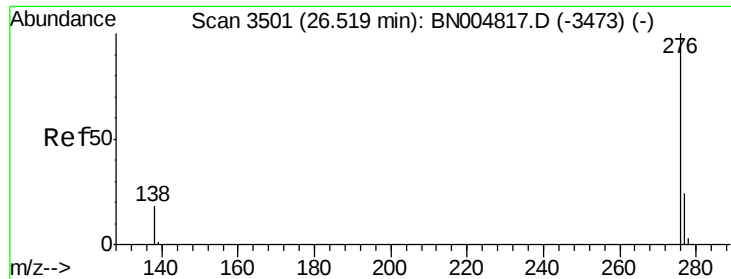
Delta R.T. -0.03 min

Lab File: BN004947.D

Acq: 24 Mar 2019 19:57

Tgt Ion:	278	Resp:	6129
Ion Ratio	Lower	Upper	
278	100		
139	61.2	11.7	17.5#
279	50.2	19.9	29.9#





#39

Benzo(g,h,i)perylene

Concen: 0.307 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004947.D

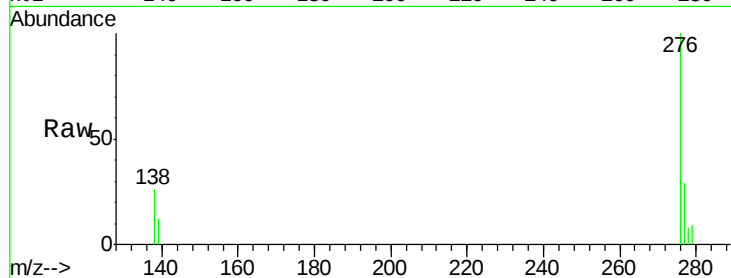
Acq: 24 Mar 2019 19:57

Instrument :

BNA_N

ClientSampleId :

PST-073-B159-031919



Tgt Ion: 276 Resp: 22016

Ion Ratio Lower Upper

276 100

277 29.3 19.7 29.5

138 26.3 14.6 22.0

Manual Integrations
APPROVED

Sohil
3/26/2019 6:33:53 PM

