

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004951.D
 Acq On : 24 Mar 2019 22:18
 Operator : JU/SJ
 Sample : K2014-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B026-031919

Manual Integrations
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 3/26/2019 6:33:56 PM

Quant Time: Mar 25 04:12:07 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	3314	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	12703	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6587	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	13907	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16589	0.40	ng	-0.01
34) Perylene-d12	23.52	264	18365	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	4668	0.52	ng	0.00
5) Phenol-d6	6.86	99	5652	0.50	ng	-0.02
8) Nitrobenzene-d5	8.84	82	4528	0.54	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	9156	0.41	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	2102	0.46	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	12966	0.48	ng	-0.02
25) Fluoranthene-d10	19.12	212	18205	0.39	ng	-0.01
29) Terphenyl-d14	19.71	244	13659	0.40	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	6724	0.189	ng	97
12) 2-Methylnaphthalene	12.14	142	5237	0.198	ng	98
16) Acenaphthylene	14.04	152	73914	2.179	ng	99
17) Acenaphthene	14.39	154	3432	0.154	ng	# 90
18) Fluorene	15.38	166	13678	0.441	ng	# 9
23) Phenanthrene	17.12	178	178247	3.969	ng	99
24) Anthracene	17.21	178	48083	1.199	ng	98
26) Fluoranthene	19.15	202	211484	3.665	ng	97
28) Pyrene	19.51	202	324888	6.423	ng	97
30) Benzo(a)anthracene	21.26	228	130526	2.399	ng	92
31) Chrysene	21.31	228	176975	3.088	ng	95
32) Bis(2-ethylhexyl)phthalate	21.17	149	9169	0.422	ng	98
33) Indeno(1,2,3-cd)pyrene	25.79	276	88184	1.064	ng	99
35) Benzo(b)fluoranthene	22.85	252	156159	2.351	ng	# 82
36) Benzo(k)fluoranthene	22.89	252	49129m	0.752	ng	
37) Benzo(a)pyrene	23.43	252	126511	2.076	ng	# 97
38) Dibenzo(a,h)anthracene	25.79	278	27093	0.384	ng	# 65
39) Benzo(g,h,i)perylene	26.49	276	100913	1.403	ng	95

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

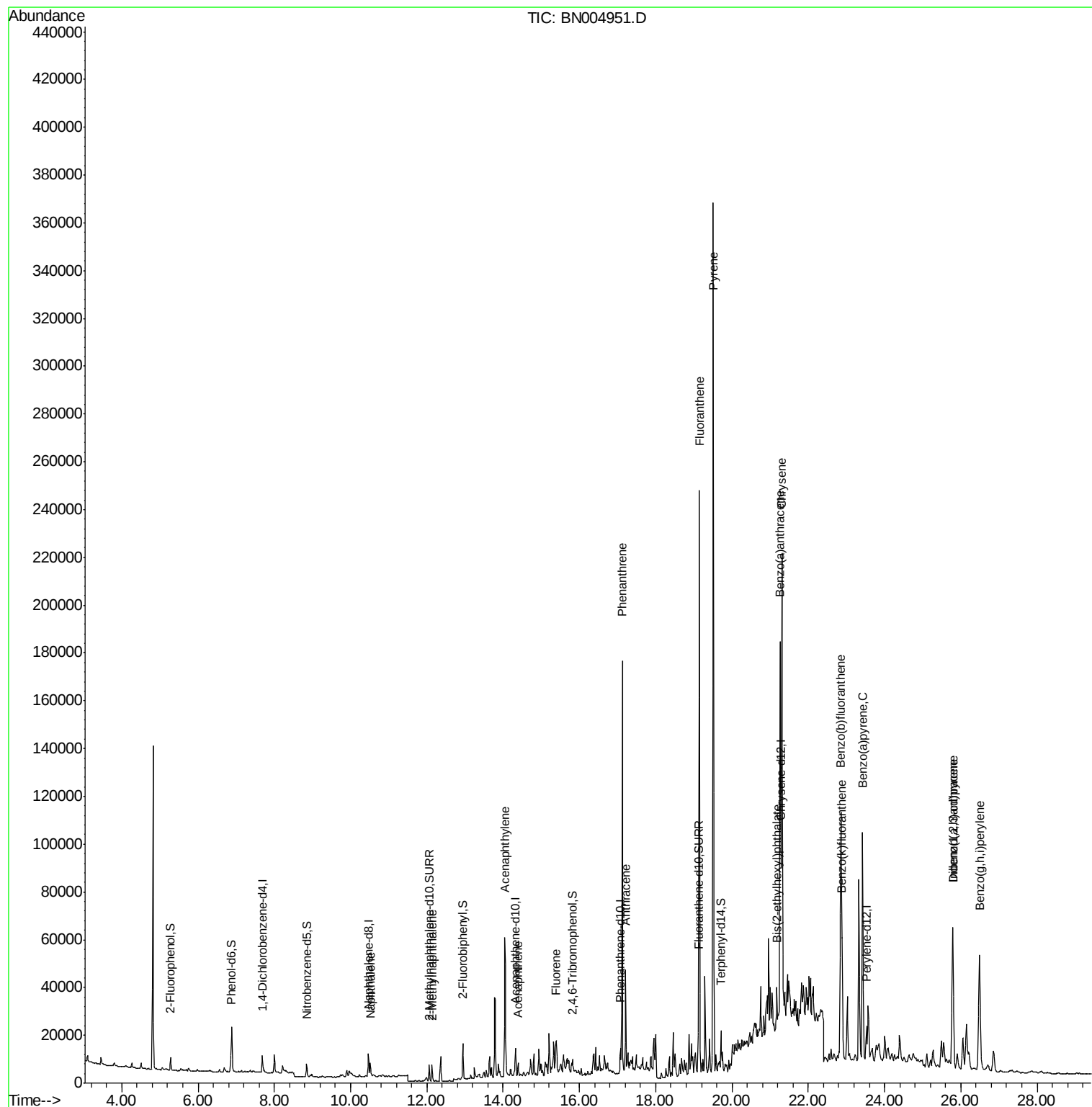
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
Data File : BN004951.D
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#1

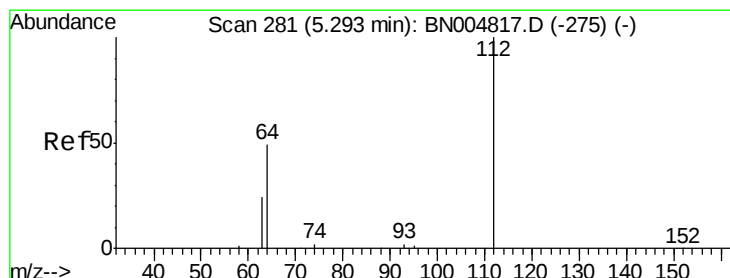
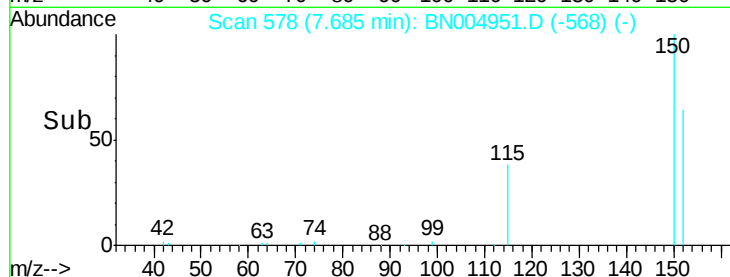
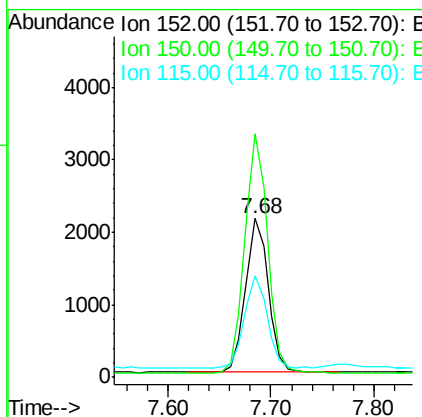
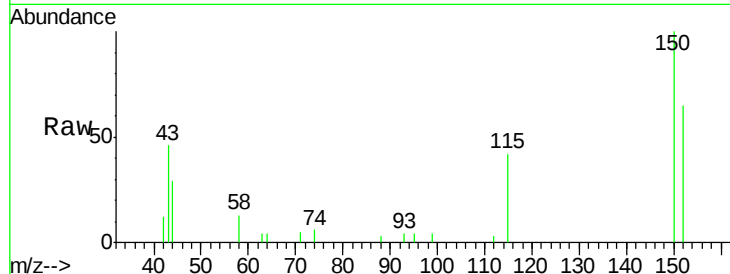
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.68 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.4
115	63.6	52.6	79.0

Manual Integrations
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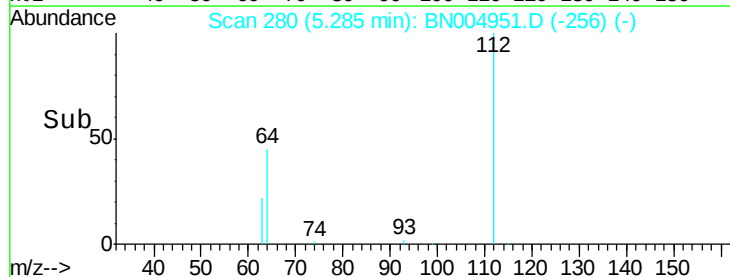
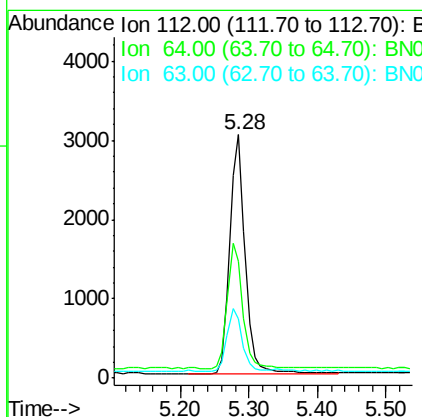
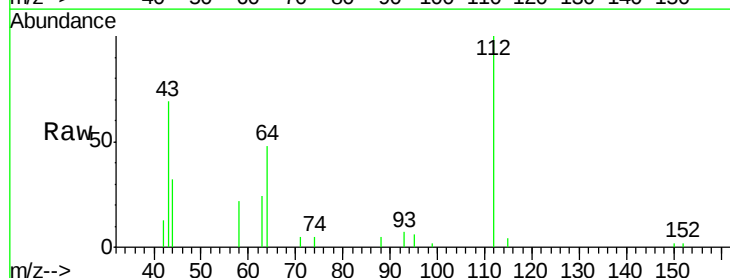
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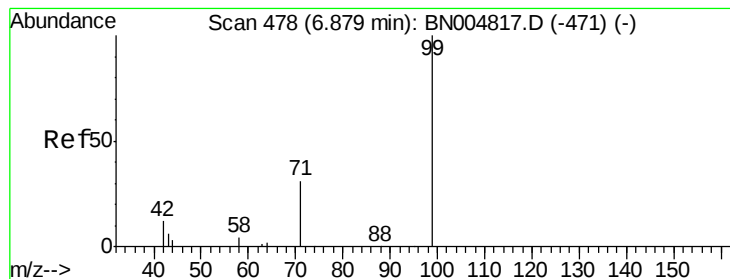


#4

2-Fluorophenol
 Concen: 0.518 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	40.0	60.0
63	25.5	20.2	30.2





#5

Phenol-d6

Concen: 0.504 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Instrument :

BNA_N

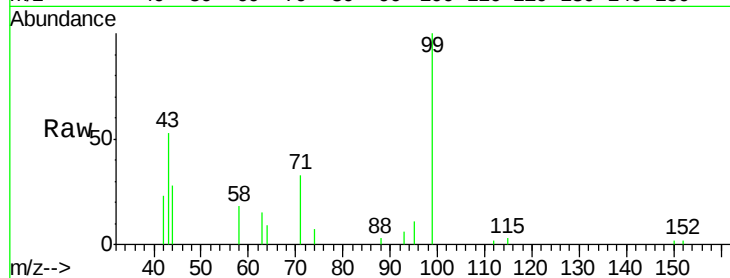
ClientSampleId :

PST-026-B026-031919

Tgt Ion:	99	Resp:	5652
Ion Ratio	Lower	Upper	
99	100		
42	34.9	12.7	19.1#
71	33.9	26.6	40.0

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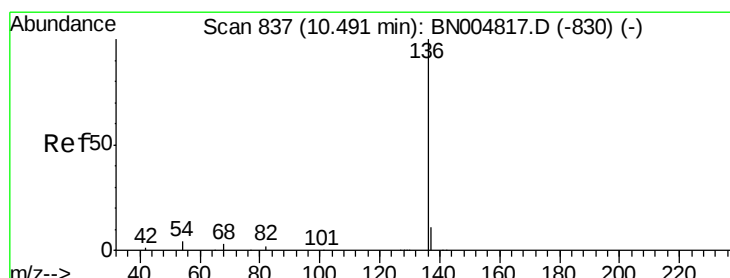
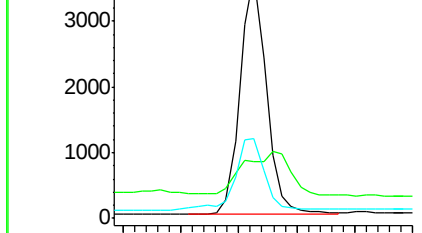
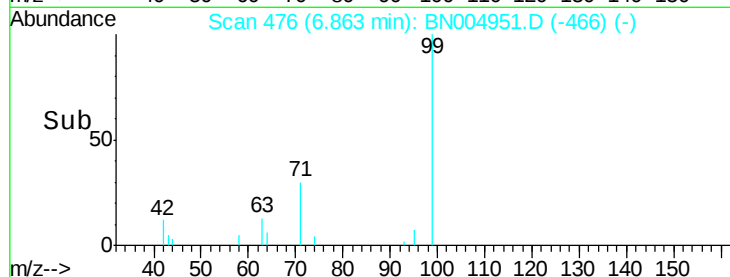


Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

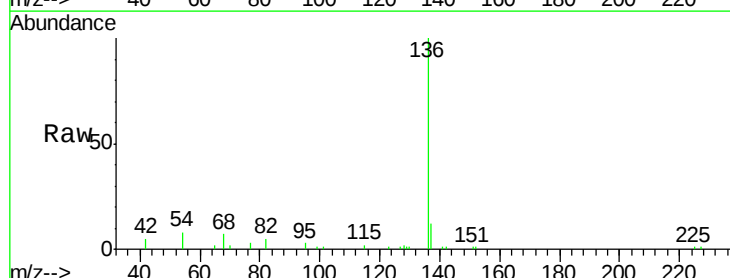
RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Tgt Ion:	136	Resp:	12703
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.6	14.4
54	7.5	4.2	6.2#
68	6.7	3.9	5.9#



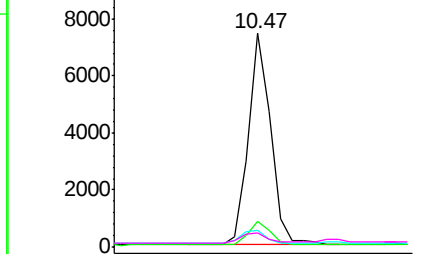
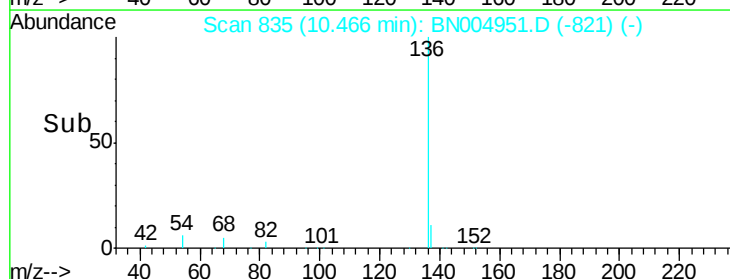
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

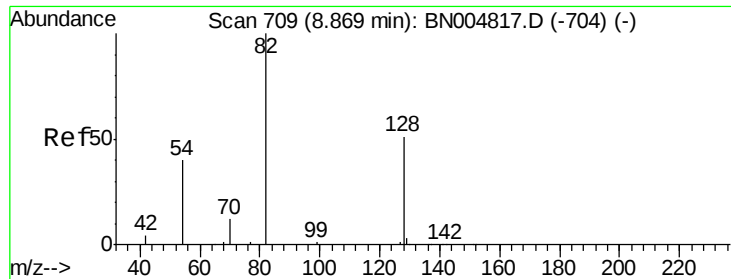
Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.539 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Instrument :

BNA_N

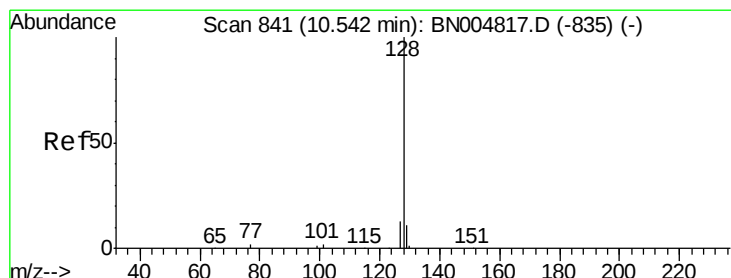
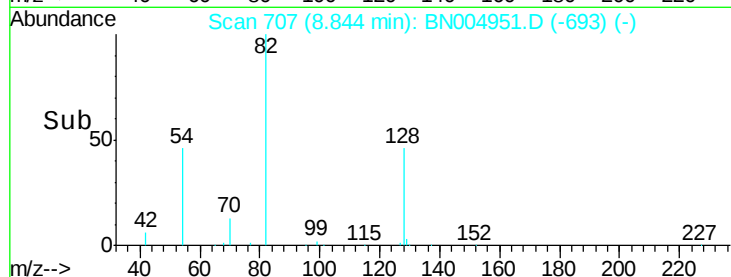
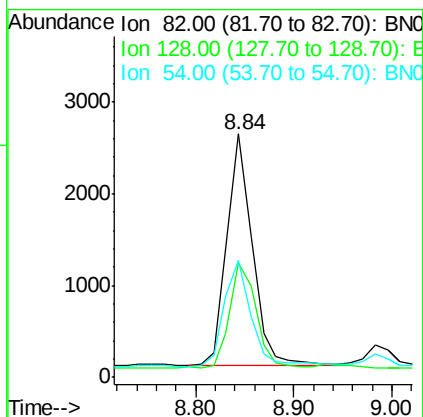
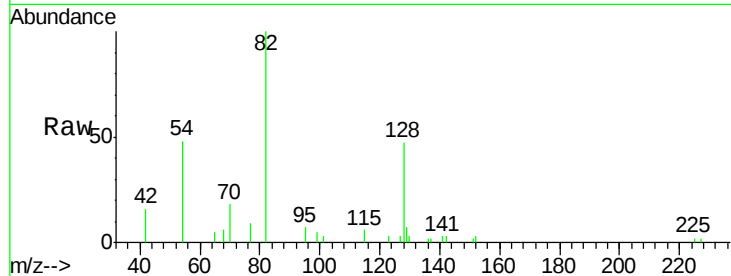
ClientSampleId :

PST-026-B026-031919

Tgt Ion:	82	Resp:	4528
Ion Ratio	Lower	Upper	
82	100		
128	47.0	43.0	64.6
54	48.1	35.3	52.9

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#9

Naphthalene

Concen: 0.189 ng

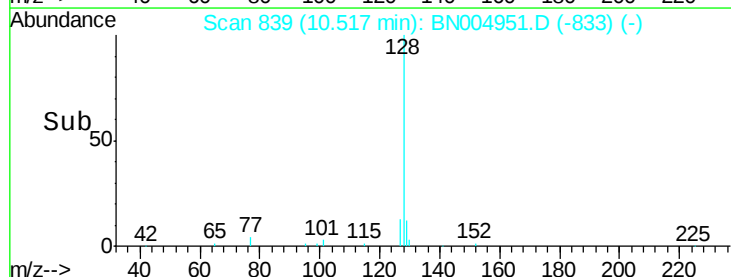
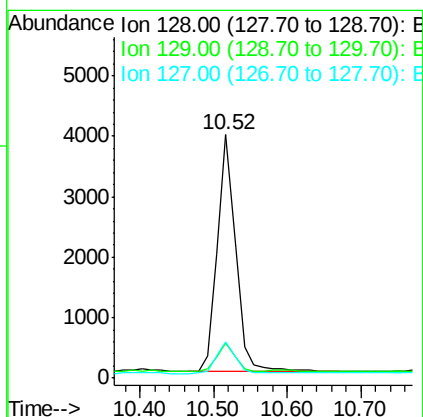
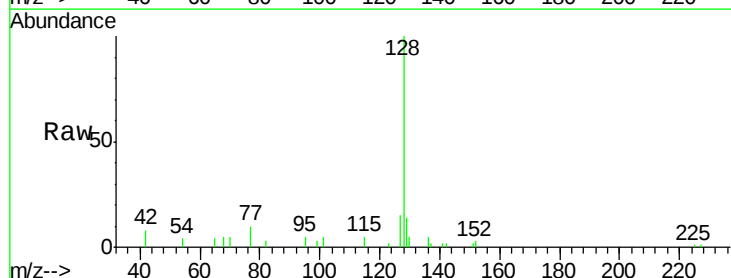
RT: 10.52 min Scan# 839

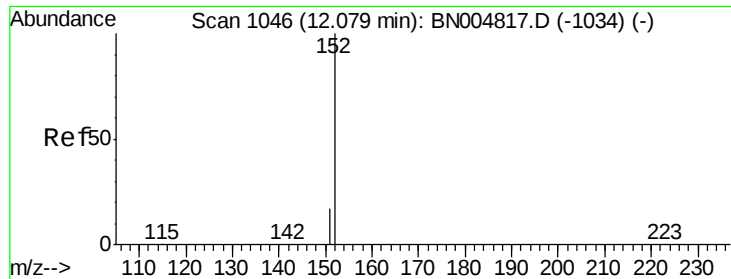
Delta R.T. -0.03 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Tgt Ion:	128	Resp:	6724
Ion Ratio	Lower	Upper	
128	100		
129	14.2	9.9	14.9
127	14.8	11.3	16.9





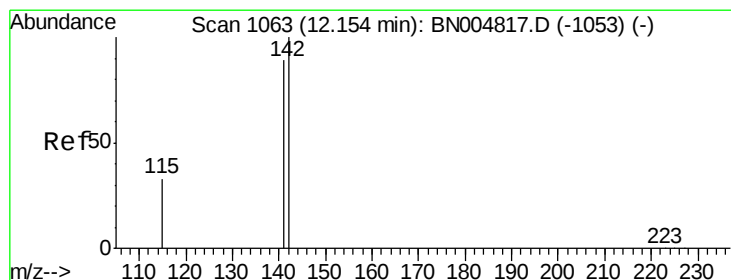
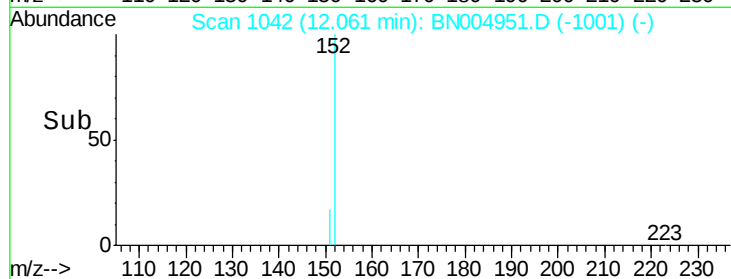
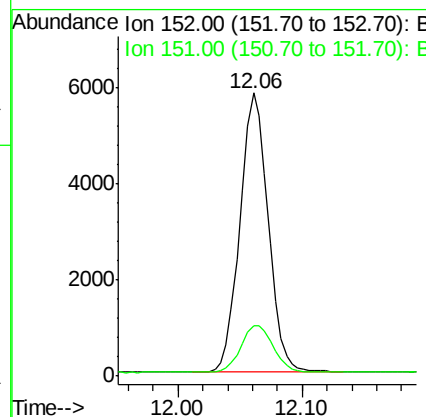
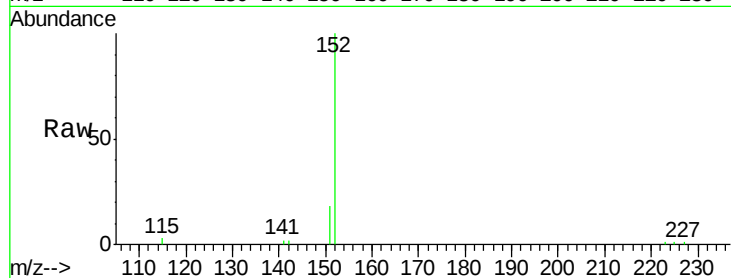
#11
 2-Methylnaphthalene-d10
 Concen: 0.413 ng
 RT: 12.06 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

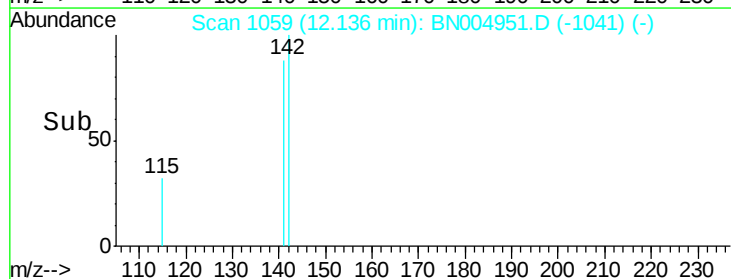
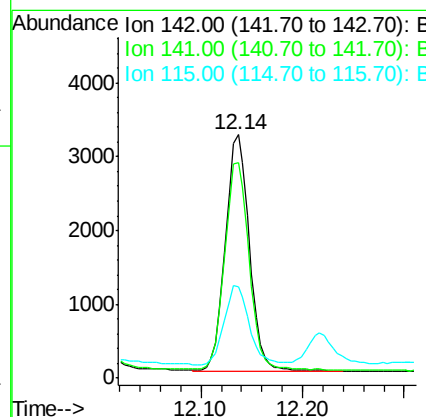
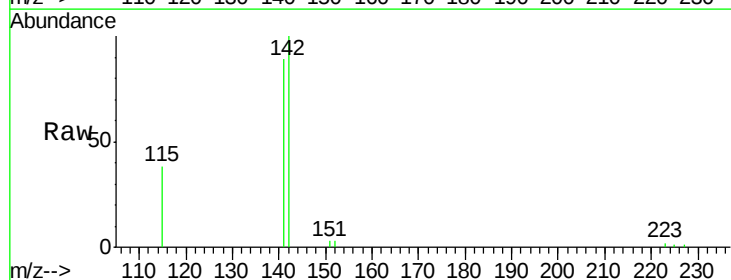
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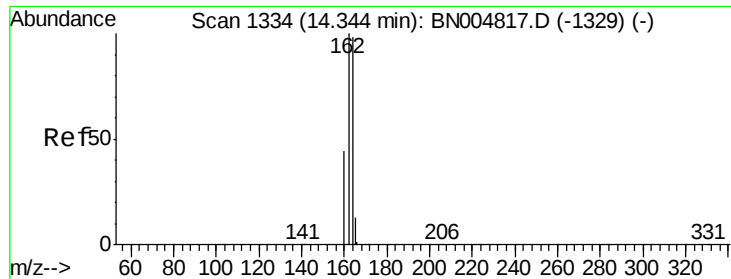
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#12
 2-Methylnaphthalene
 Concen: 0.198 ng
 RT: 12.14 min Scan# 1059
 Delta R.T. -0.02 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.2
115	37.5	27.5	41.3





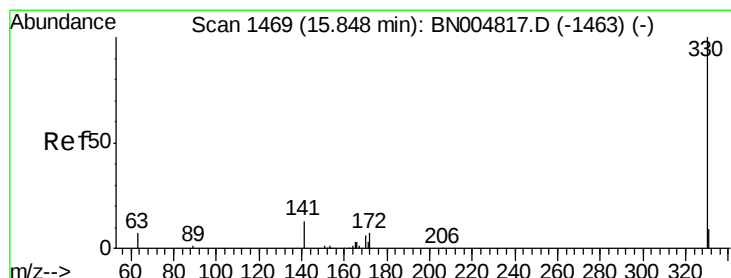
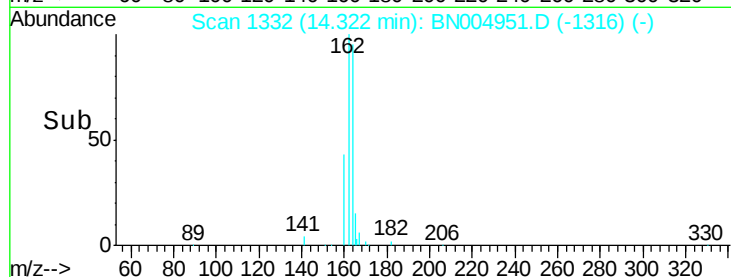
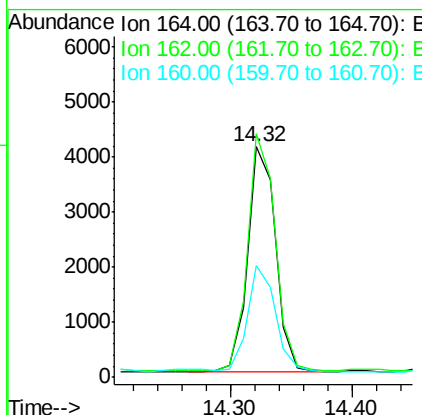
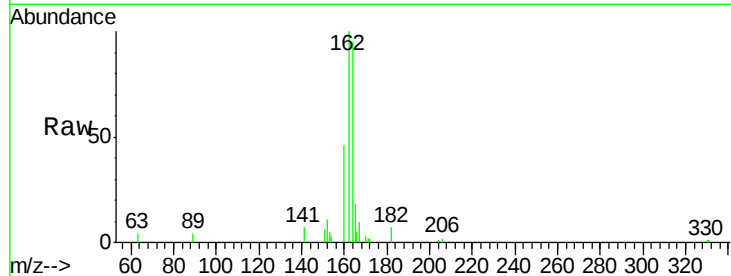
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Instrument :
BNA_N
ClientSampleId :
PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	81.9	122.9
160	48.7	36.6	54.8

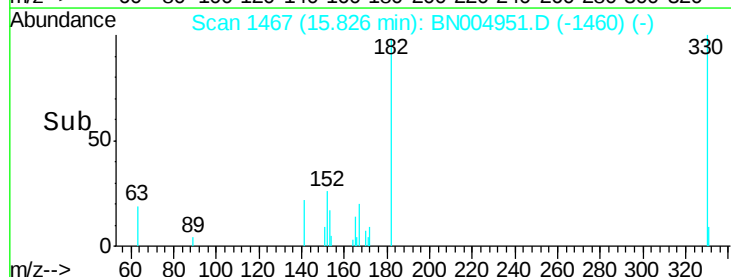
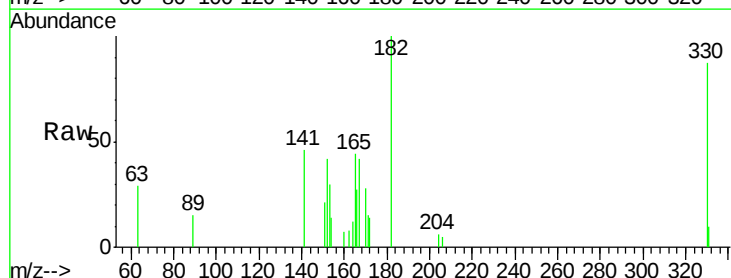
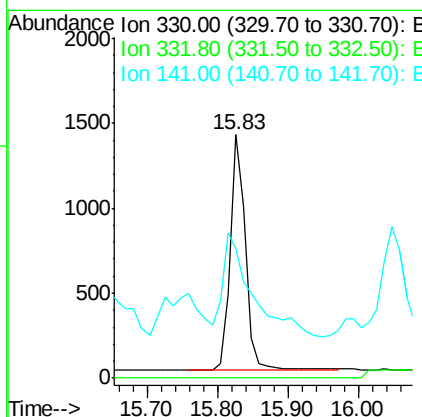
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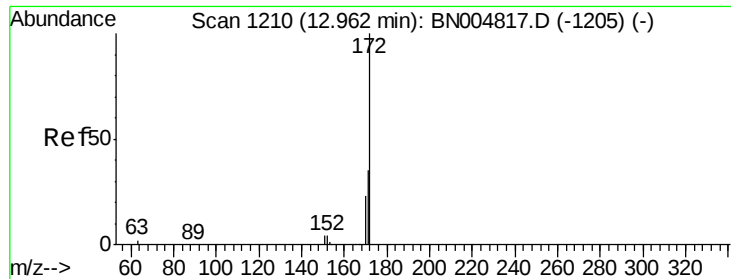
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#14
2,4,6-Tribromophenol
Concen: 0.462 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	84.9	20.9	31.3#





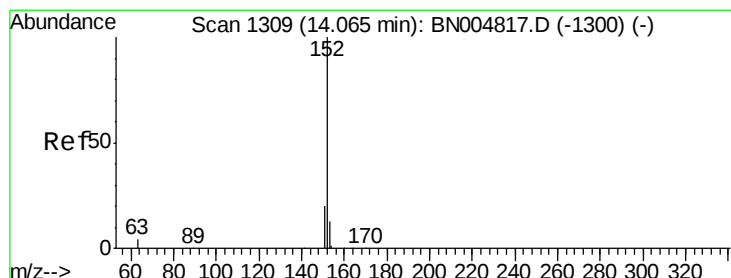
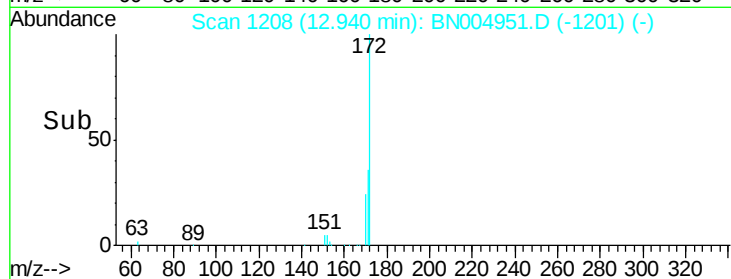
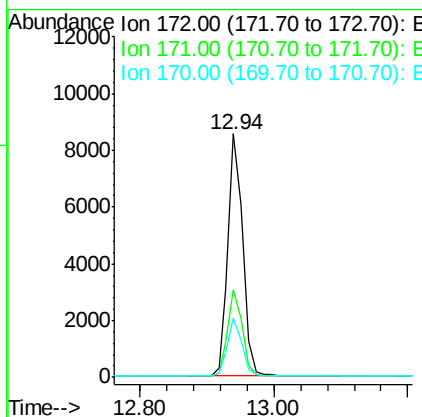
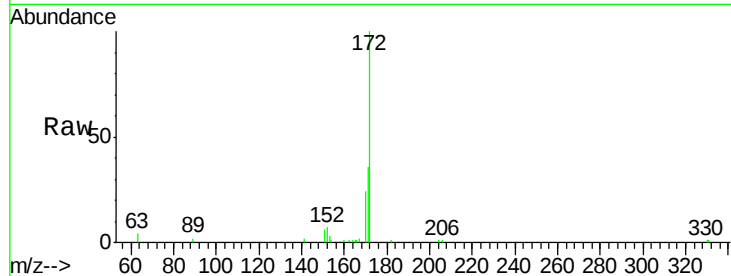
#15
2-Fluorobiphenyl
Concen: 0.476 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Instrument :
BNA_N
ClientSampleId :
PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.7	43.1
170	24.3	18.7	28.1

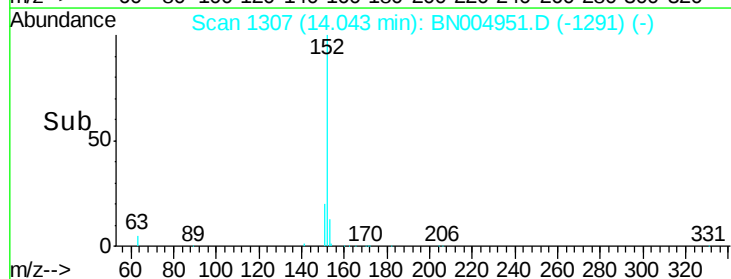
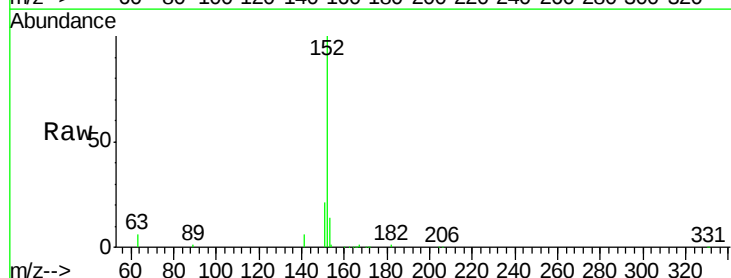
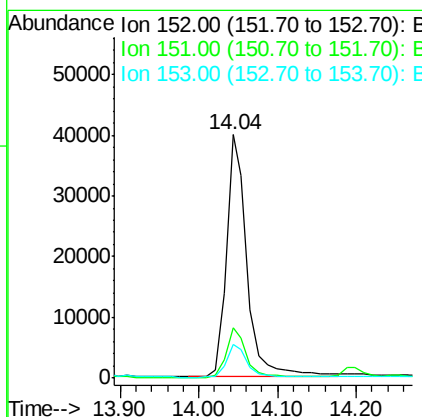
Manual Integrations
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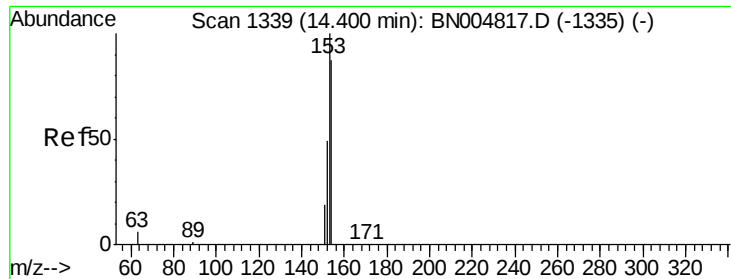
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#16
Acenaphthylene
Concen: 2.179 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.6	10.5	15.7





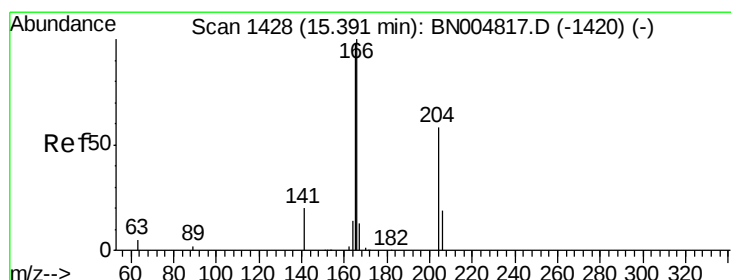
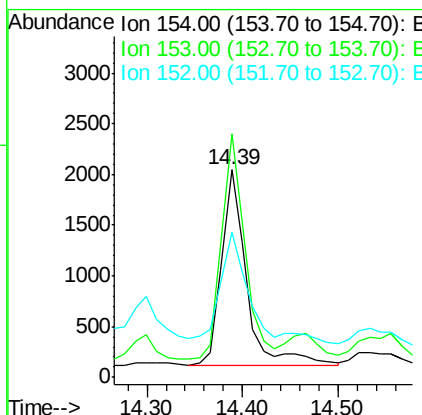
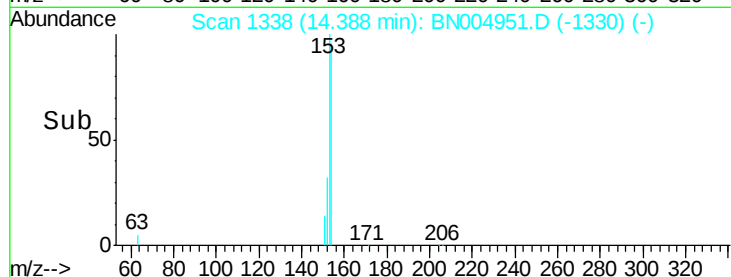
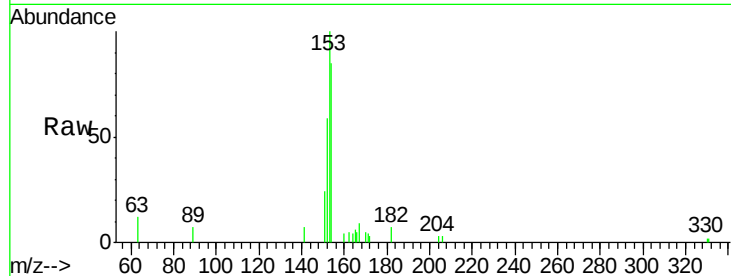
#17
Acenaphthene
Concen: 0.154 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Instrument :
BNA_N
ClientSampleId :
PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.8	91.4	137.2
152	70.5	44.2	66.2

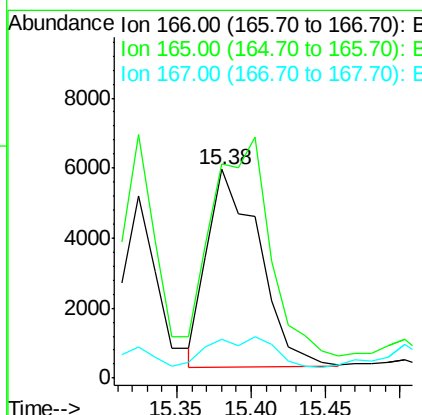
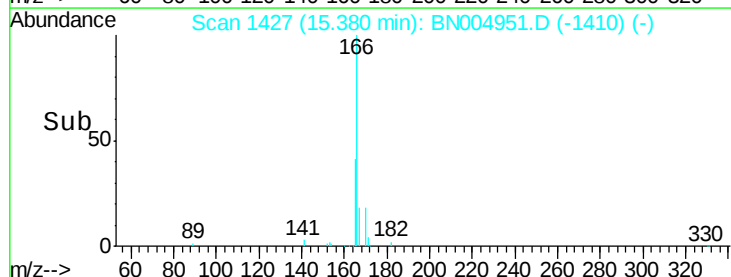
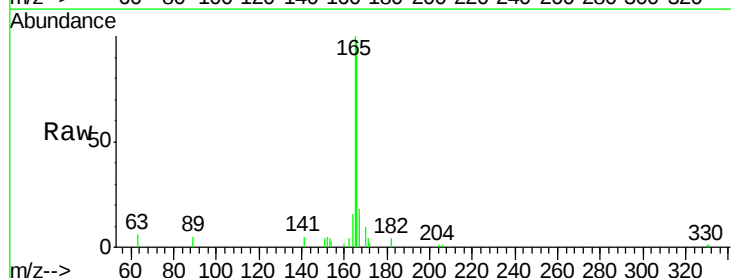
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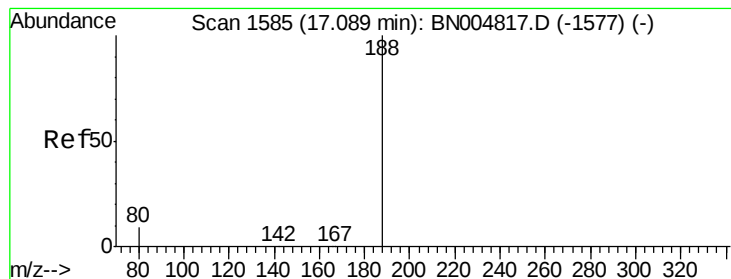
Sohil
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#18
Fluorene
Concen: 0.441 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	78.2	117.4#
167	0.0	11.0	16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Instrument :

BNA_N

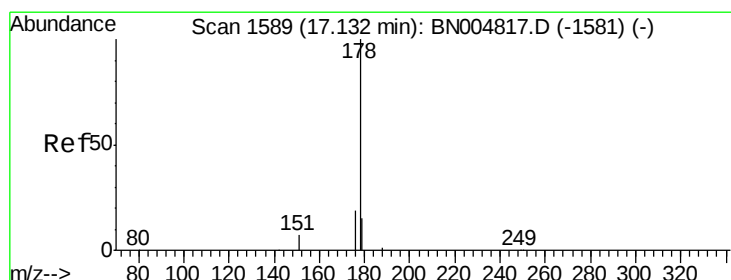
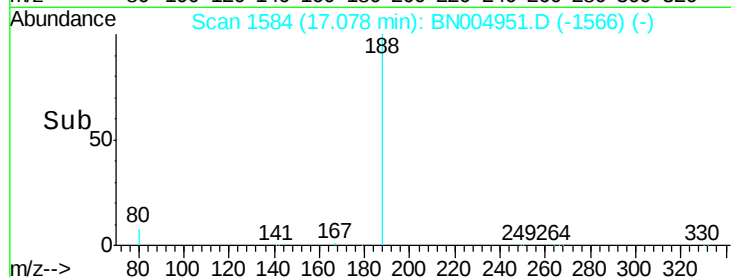
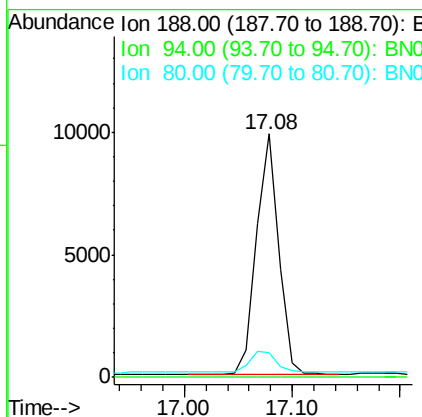
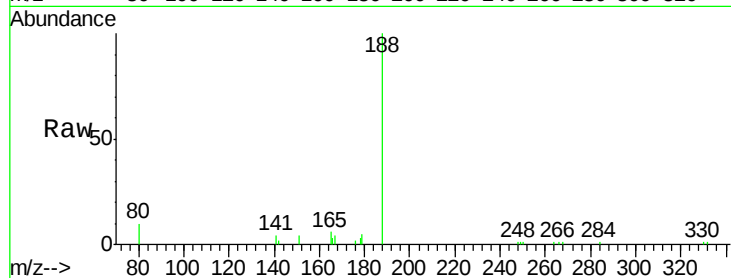
ClientSampleId :

PST-026-B026-031919

Tgt Ion:	188	Resp:	13907
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.0	7.4	11.2

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#23

Phenanthrene

Concen: 3.969 ng

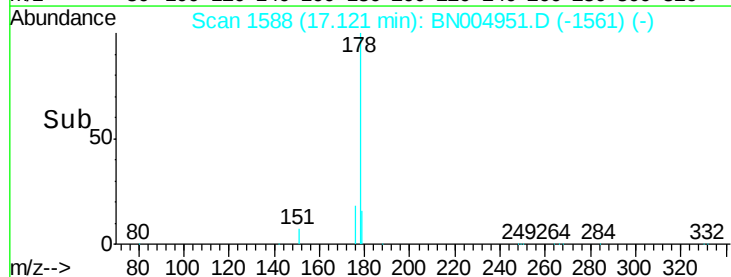
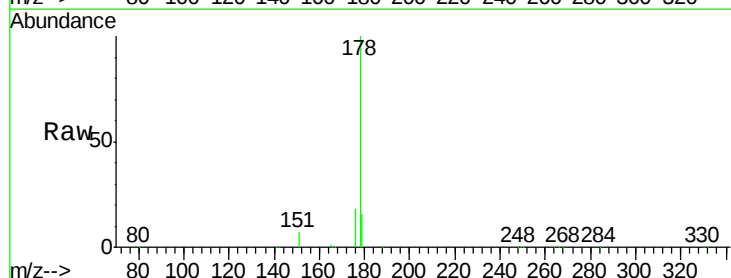
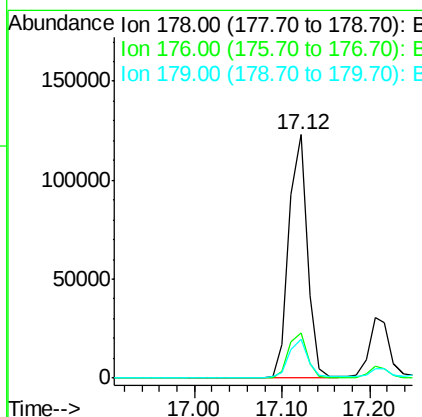
RT: 17.12 min Scan# 1588

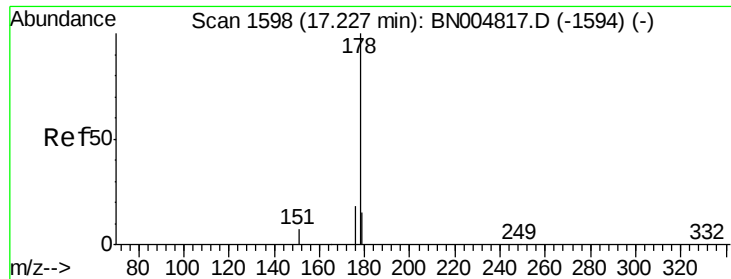
Delta R.T. -0.01 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Tgt Ion:	178	Resp:	178247
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	16.0	12.1	18.1





#24

Anthracene

Concen: 1.199 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Instrument :

BNA_N

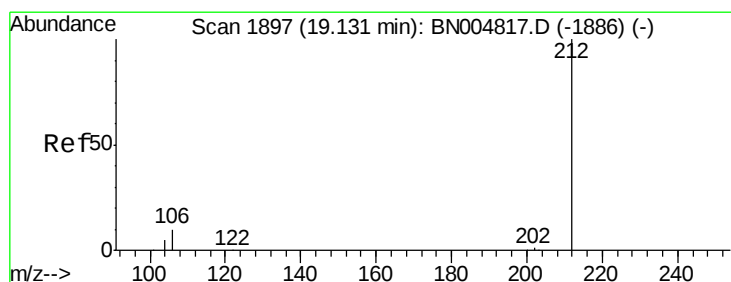
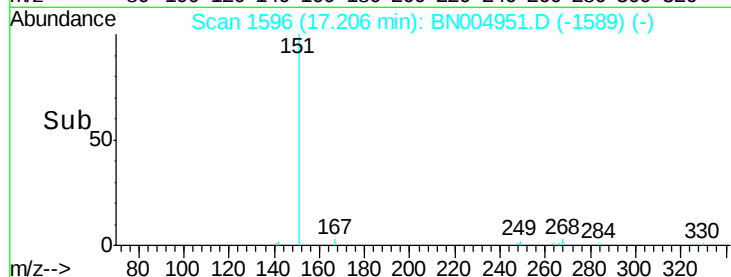
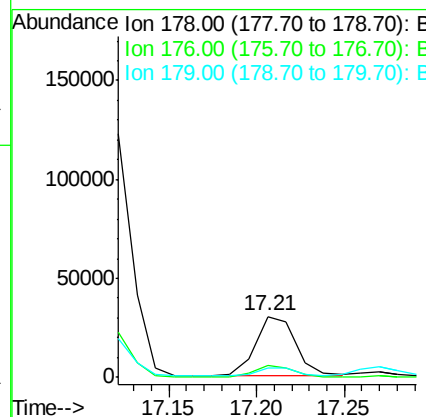
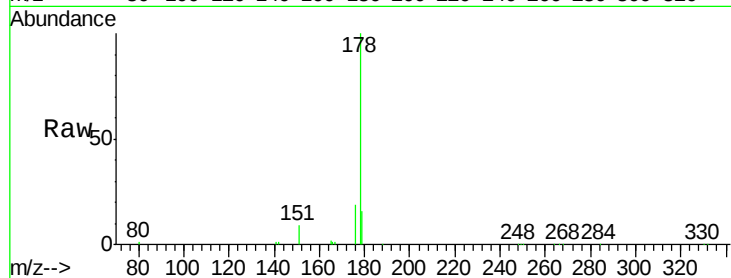
ClientSampleId :

PST-026-B026-031919

Tgt Ion:	178	Resp:	48083
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.5	21.7
179	13.6	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.391 ng

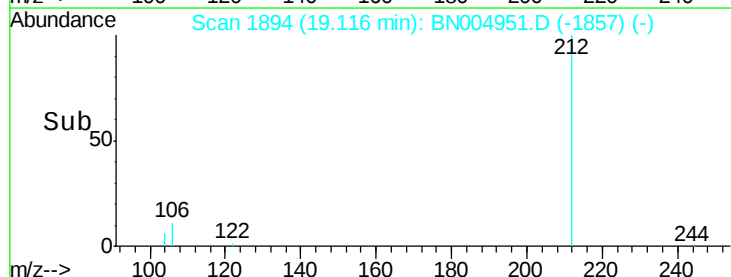
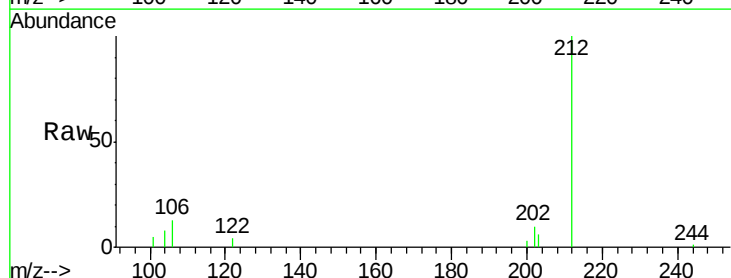
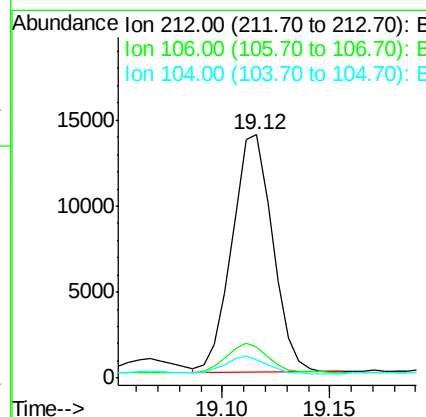
RT: 19.12 min Scan# 1894

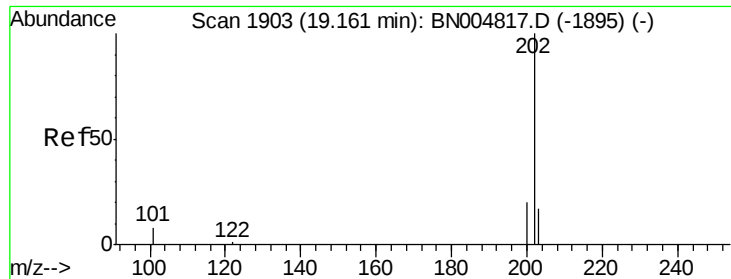
Delta R.T. -0.01 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Tgt Ion:	212	Resp:	18205
Ion Ratio	Lower	Upper	
212	100		
106	12.9	8.6	13.0
104	7.4	4.7	7.1#





#26

Fluoranthene

Concen: 3.665 ng

RT: 19.15 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Instrument :

BNA_N

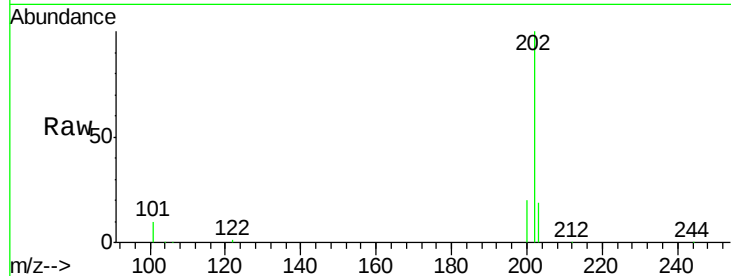
ClientSampleId :

PST-026-B026-031919

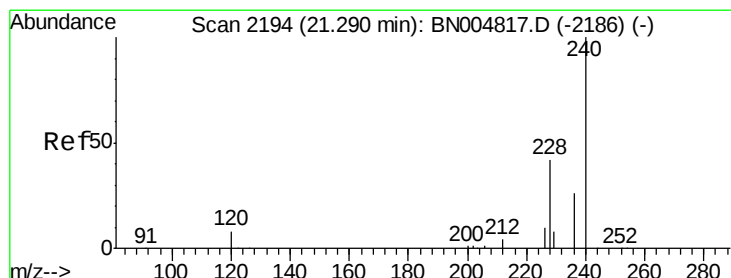
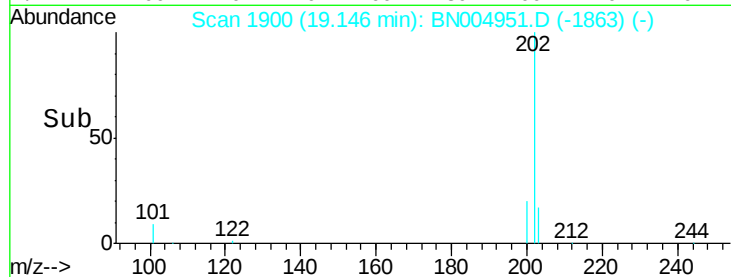
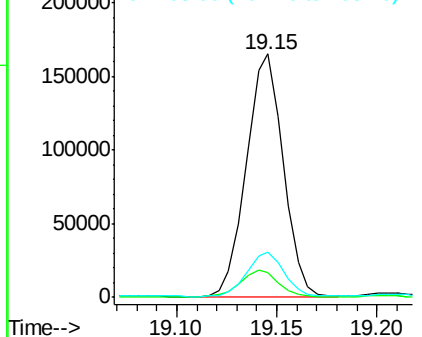
Tgt	Ion	202	Resp:	211484
Ion	Ratio	Lower	Upper	
202	100			
101	11.0	7.5	11.3	
203	18.3	13.8	20.6	

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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

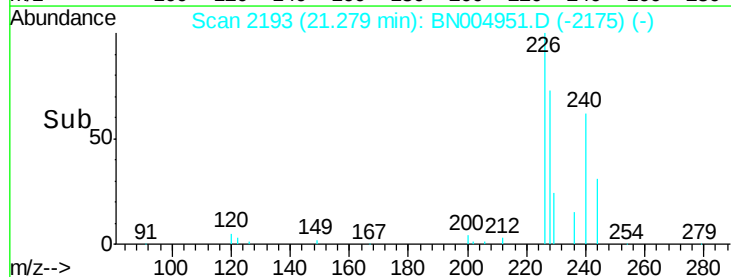
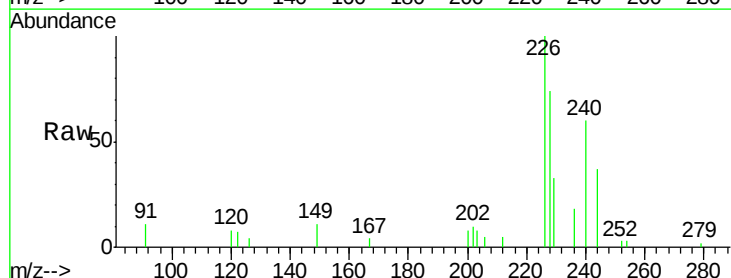
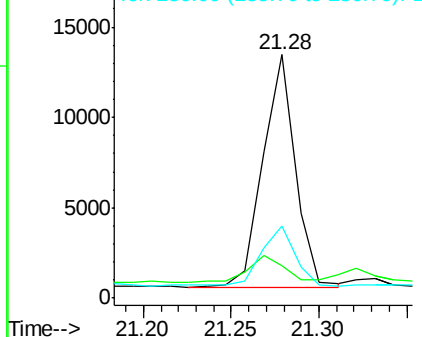
Delta R.T. -0.01 min

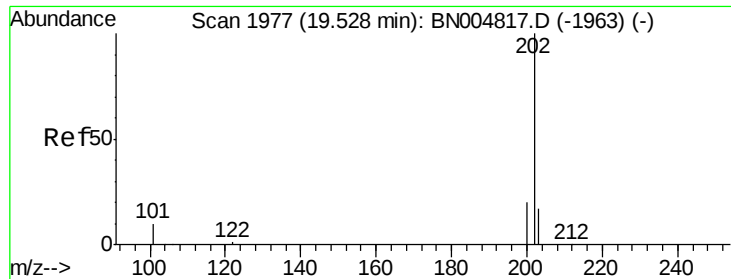
Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Tgt	Ion	240	Resp:	16589
Ion	Ratio	Lower	Upper	
240	100			
120	13.1	7.2	10.8#	
236	29.6	20.9	31.3	

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





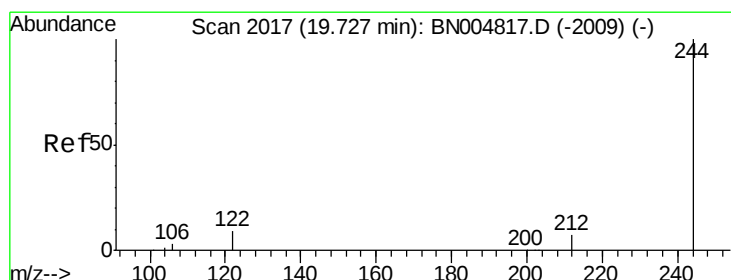
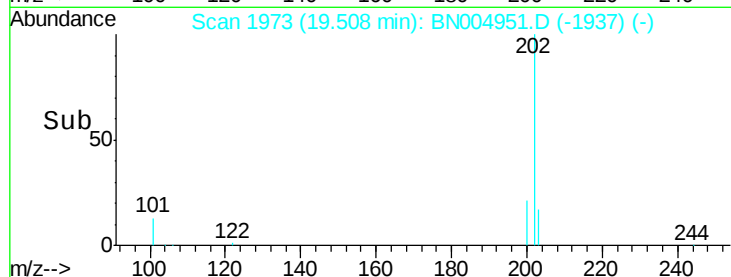
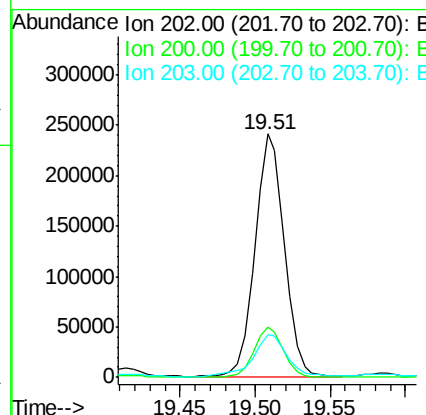
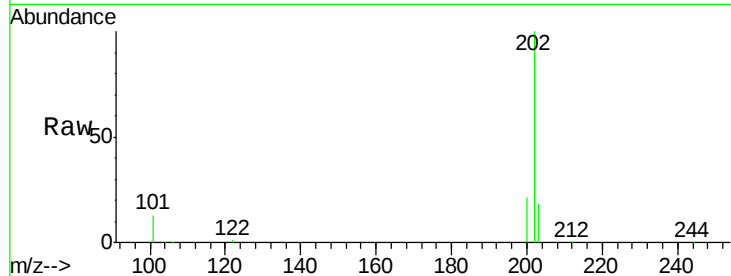
#28
 Pyrene
 Concen: 6.423 ng
 RT: 19.51 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B026-031919

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	16.3	24.5
203	20.1	14.0	21.0

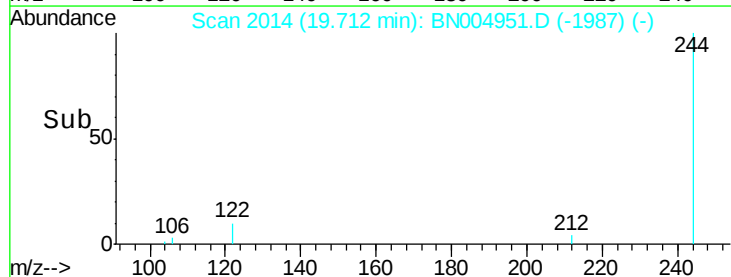
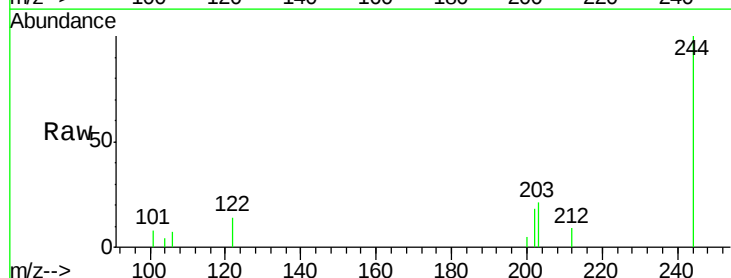
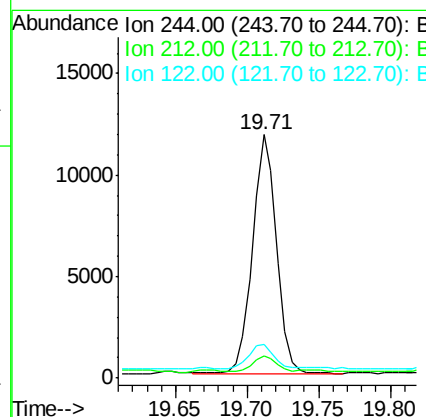
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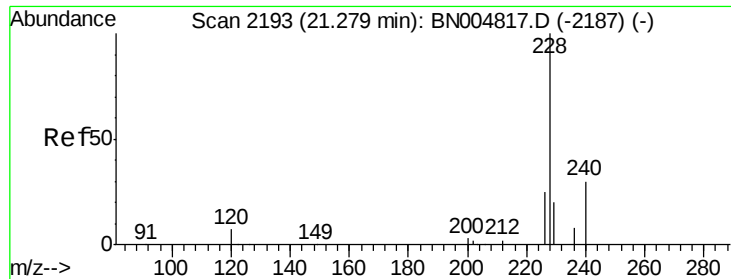
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#29
 Terphenyl-d14
 Concen: 0.402 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.3	5.8	8.6#
122	13.9	7.9	11.9#





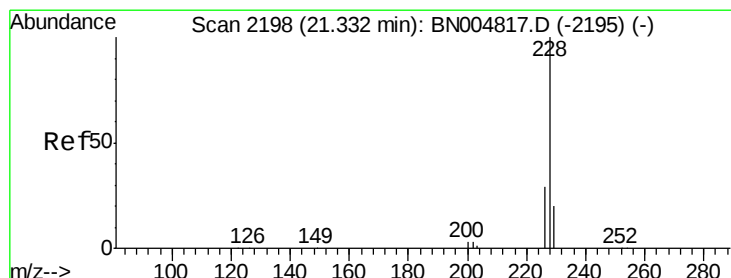
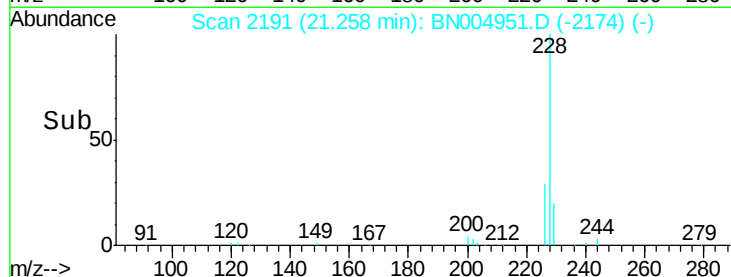
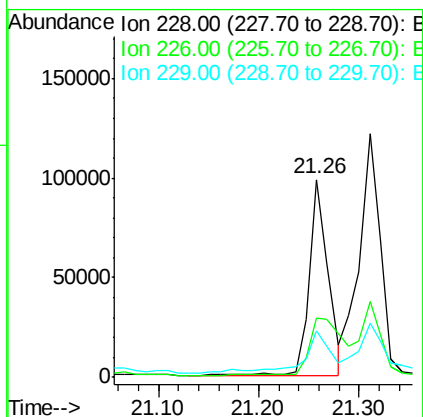
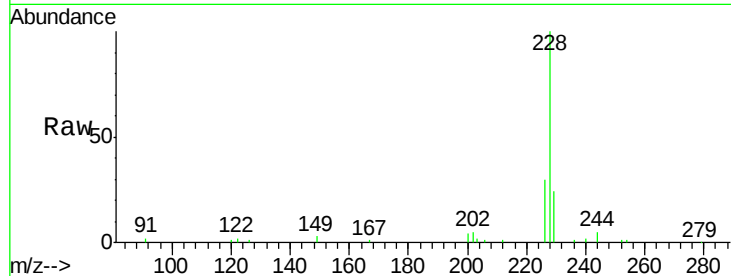
#30
Benzo(a)anthracene
Concen: 2.399 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Instrument :
BNA_N
ClientSampleId :
PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	20.6	31.0
229	23.6	16.2	24.4

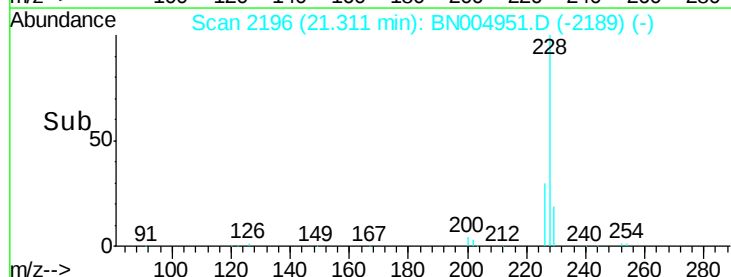
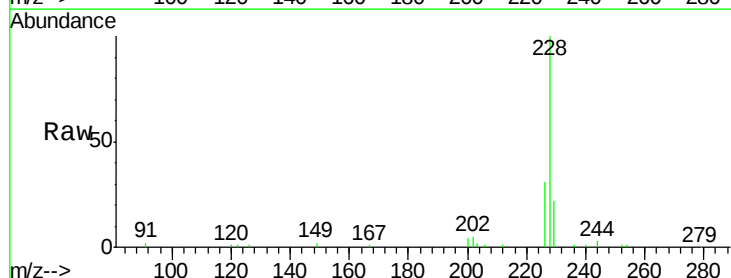
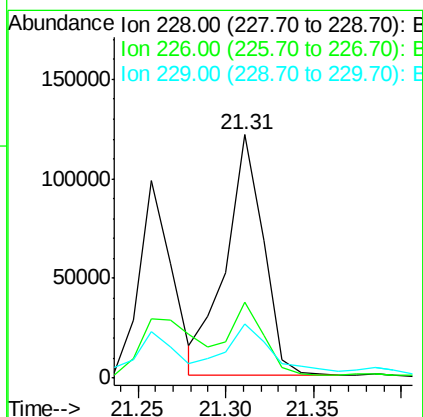
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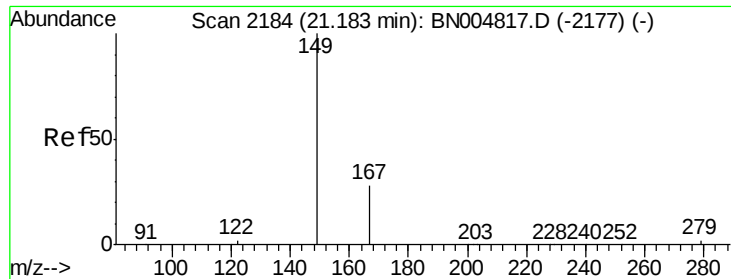
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#31
Chrysene
Concen: 3.088 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.0	34.6
229	22.4	16.2	24.2





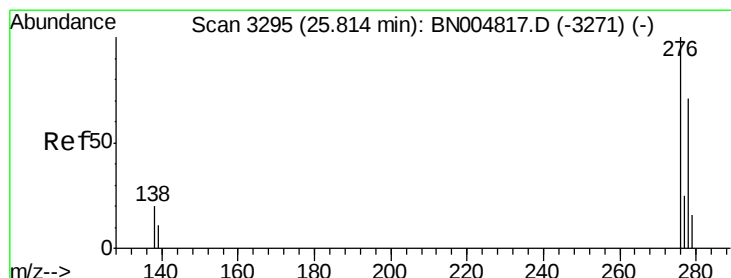
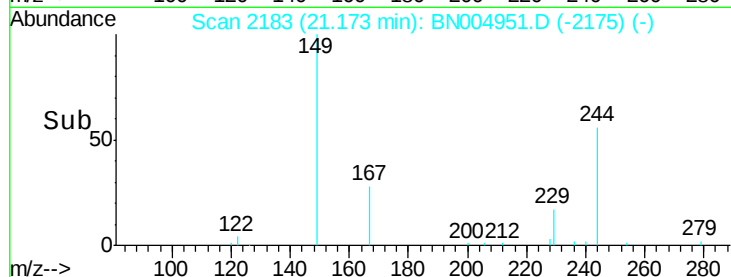
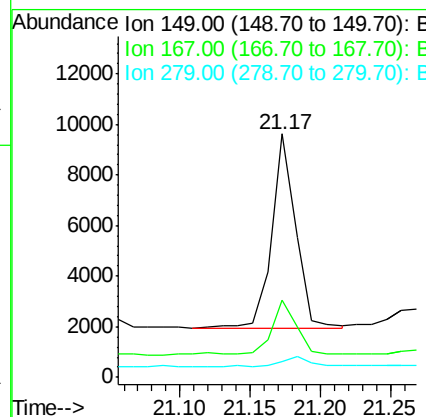
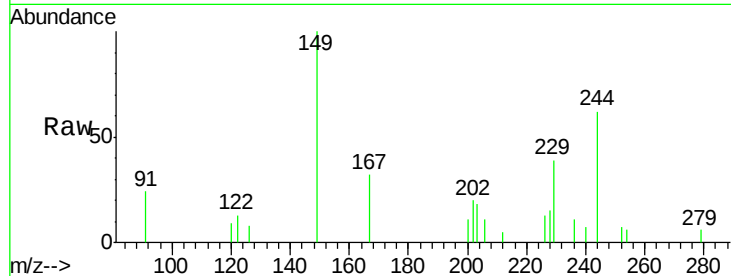
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.422 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.0	34.4
279	6.3	4.6	6.8

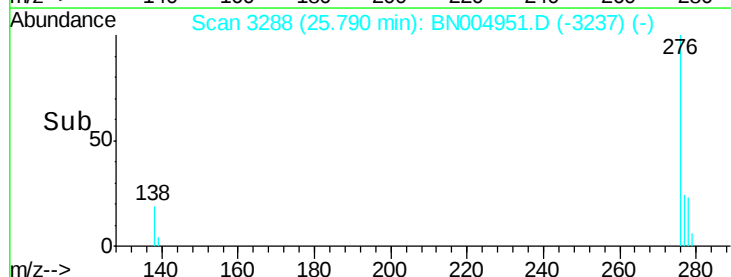
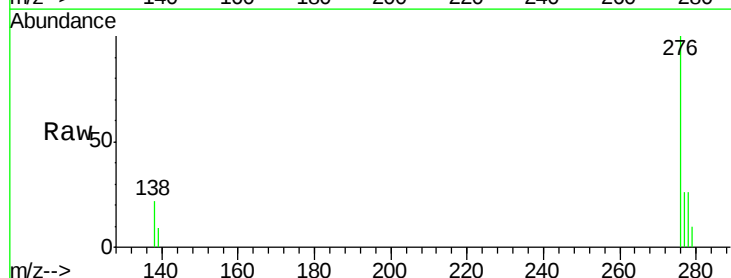
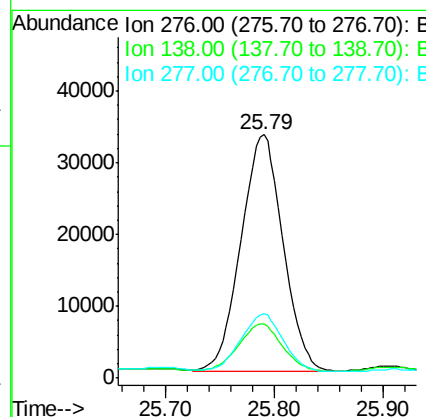
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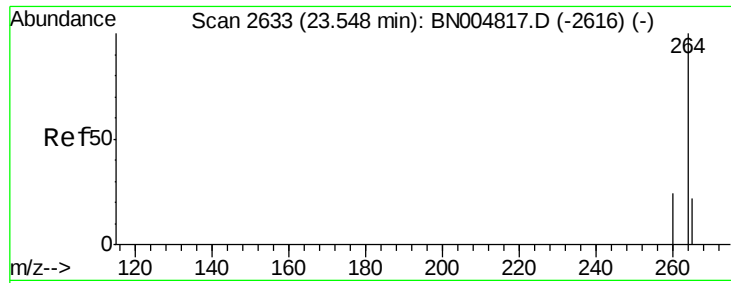
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.064 ng
 RT: 25.79 min Scan# 3288
 Delta R.T. -0.02 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.6	24.8
277	25.0	20.3	30.5





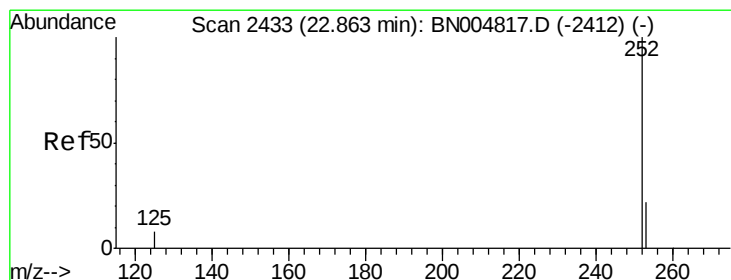
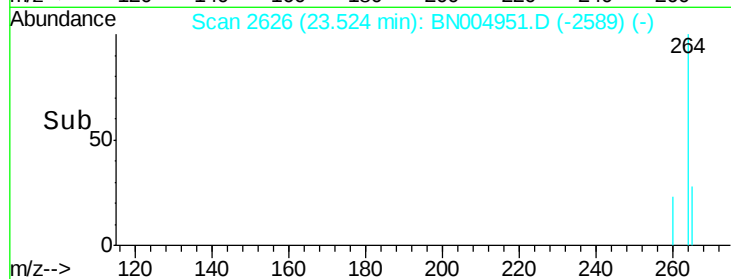
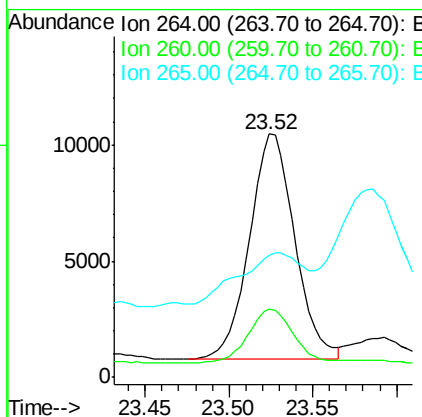
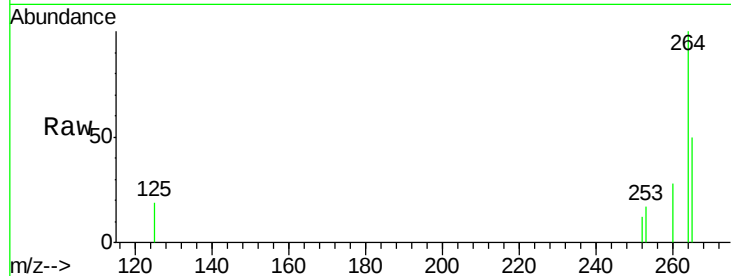
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2626
 Delta R.T. -0.02 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.1	19.5	29.3
265	50.2	23.1	34.7

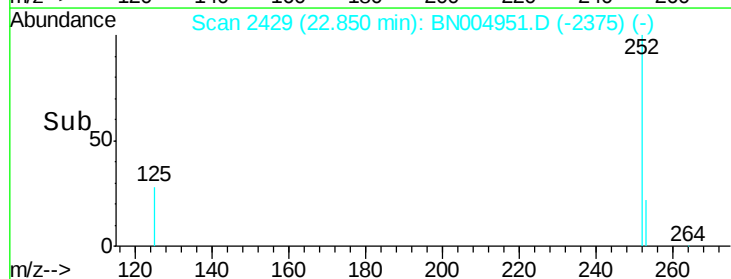
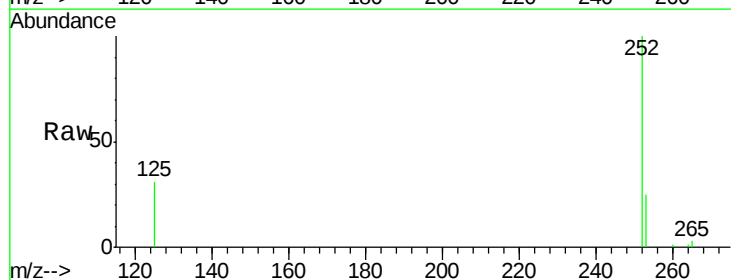
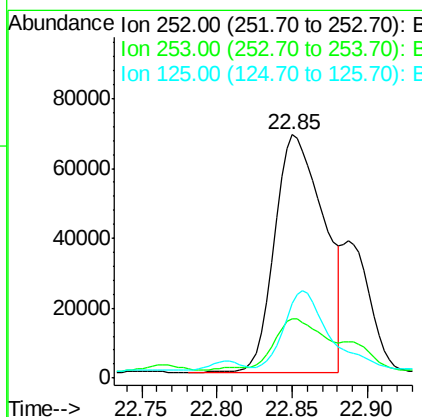
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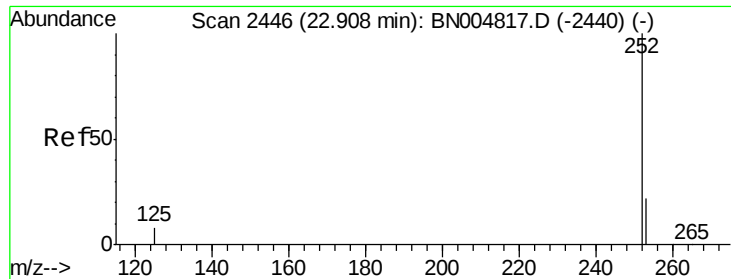
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#35
 Benzo(b)fluoranthene
 Concen: 2.351 ng
 RT: 22.85 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BN004951.D
 Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.4
125	30.7	7.4	11.2





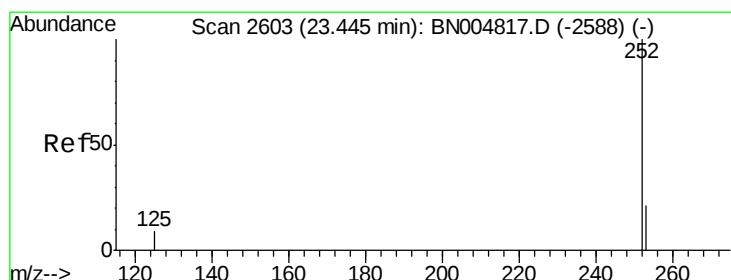
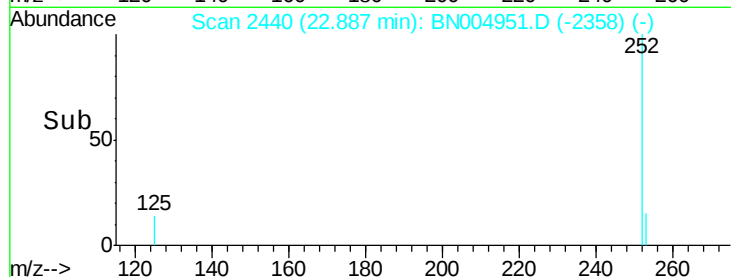
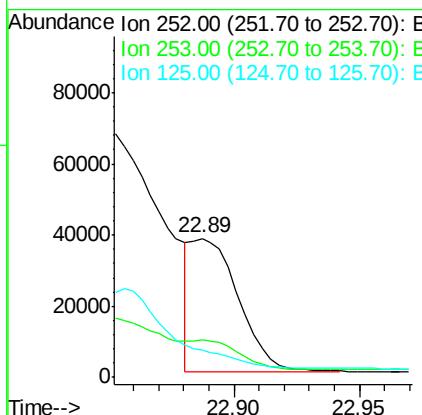
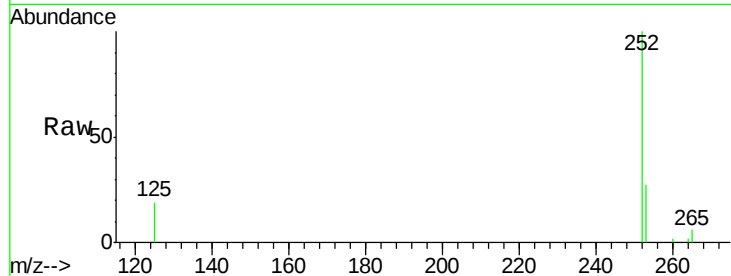
#36
Benzo(k)fluoranthene
Concen: 0.752 ng m
RT: 22.89 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Instrument :
BNA_N
ClientSampleId :
PST-026-B026-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.3	28.9
125	19.4	7.4	11.0

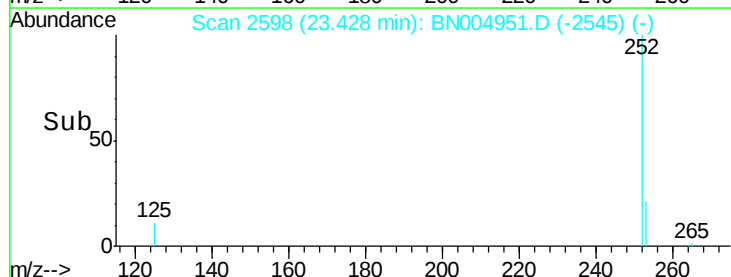
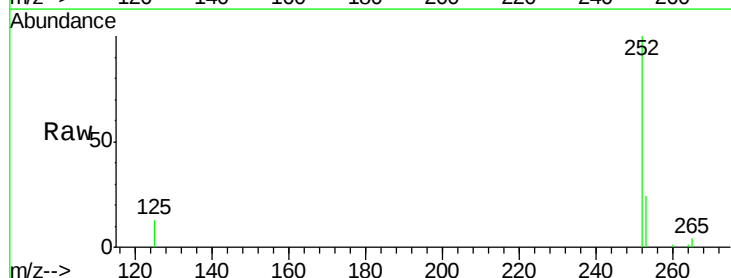
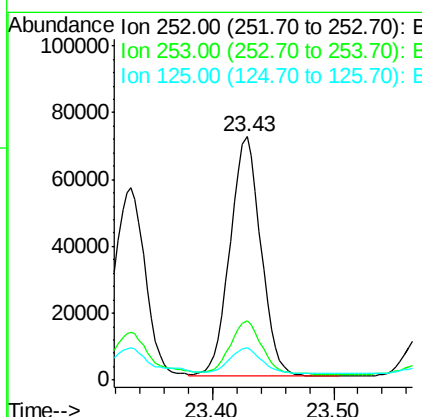
Manual Integrations
APPROVED

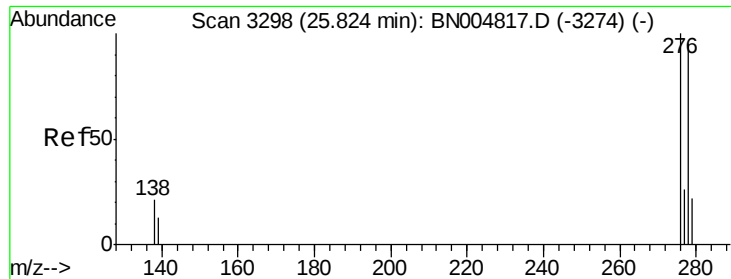
Sohil
3/26/2019 6:33:56 PM



#37
Benzo(a)pyrene
Concen: 2.076 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004951.D
Acq: 24 Mar 2019 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.7	29.5
125	13.4	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.384 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.03 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Instrument :

BNA_N

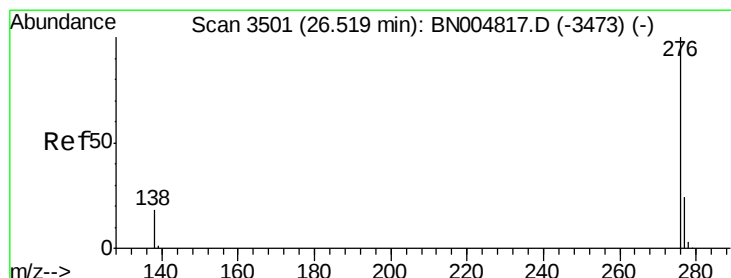
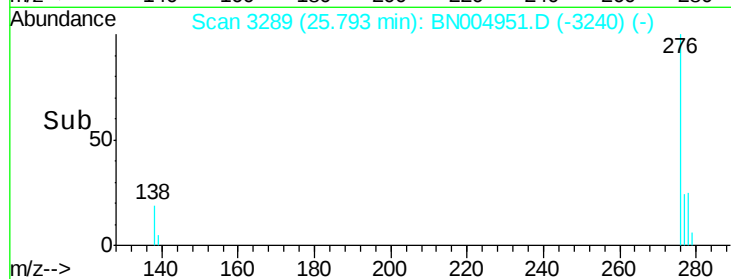
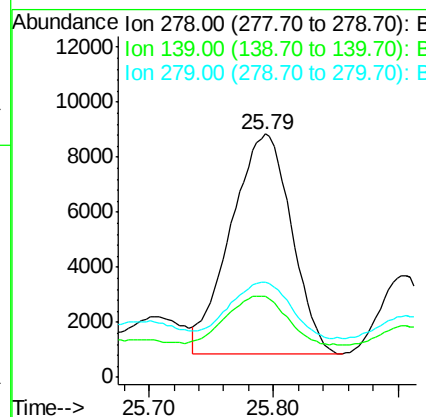
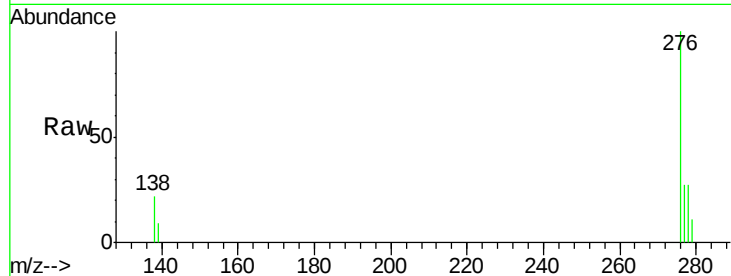
ClientSampleId :

PST-026-B026-031919

Tgt Ion:	278	Resp:	27093
Ion Ratio	Lower	Upper	
278	100		
139	33.2	11.7	17.5#
279	39.2	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/26/2019 6:33:56 PM



#39

Benzo(g,h,i)perylene

Concen: 1.403 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004951.D

Acq: 24 Mar 2019 22:18

Tgt Ion:	276	Resp:	100913
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.7	29.5
138	21.9	14.6	22.0

