

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004944.D
 Acq On : 24 Mar 2019 18:11
 Operator : JU/SJ
 Sample : K2015-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B160-031919

Manual Integrations
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 3/26/2019 6:33:51 PM

Quant Time: Mar 25 04:04:04 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	3355	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13055	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6737	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14452	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17426	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18401	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3085	0.34	ng	0.00
5) Phenol-d6	6.86	99	3826	0.34	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3072	0.36	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	6353	0.28	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1472	0.32	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	8508	0.31	ng	-0.02
25) Fluoranthene-d10	19.12	212	12731	0.26	ng	-0.01
29) Terphenyl-d14	19.71	244	10293	0.29	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	3854	0.105	ng	95
12) 2-Methylnaphthalene	12.14	142	3055	0.112	ng	98
16) Acenaphthylene	14.04	152	10951	0.316	ng	99
17) Acenaphthene	14.39	154	3079	0.135	ng	95
18) Fluorene	15.38	166	5047	0.159	ng	# 86
23) Phenanthrene	17.12	178	136408	2.923	ng	99
24) Anthracene	17.21	178	18554	0.445	ng	# 95
26) Fluoranthene	19.15	202	244433	4.076	ng	98
28) Pyrene	19.51	202	208271	3.920	ng	96
30) Benzo(a)anthracene	21.26	228	109213	1.911	ng	95
31) Chrysene	21.31	228	126106	2.095	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	32608	1.428	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	94616	1.086	ng	99
35) Benzo(b)fluoranthene	22.85	252	180207	2.707	ng	# 94
36) Benzo(k)fluoranthene	22.89	252	54945m	0.839	ng	
37) Benzo(a)pyrene	23.43	252	115168	1.886	ng	# 97
38) Dibenzo(a,h)anthracene	25.79	278	24176	0.342	ng	# 63
39) Benzo(g,h,i)perylene	26.49	276	93411	1.296	ng	# 95

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

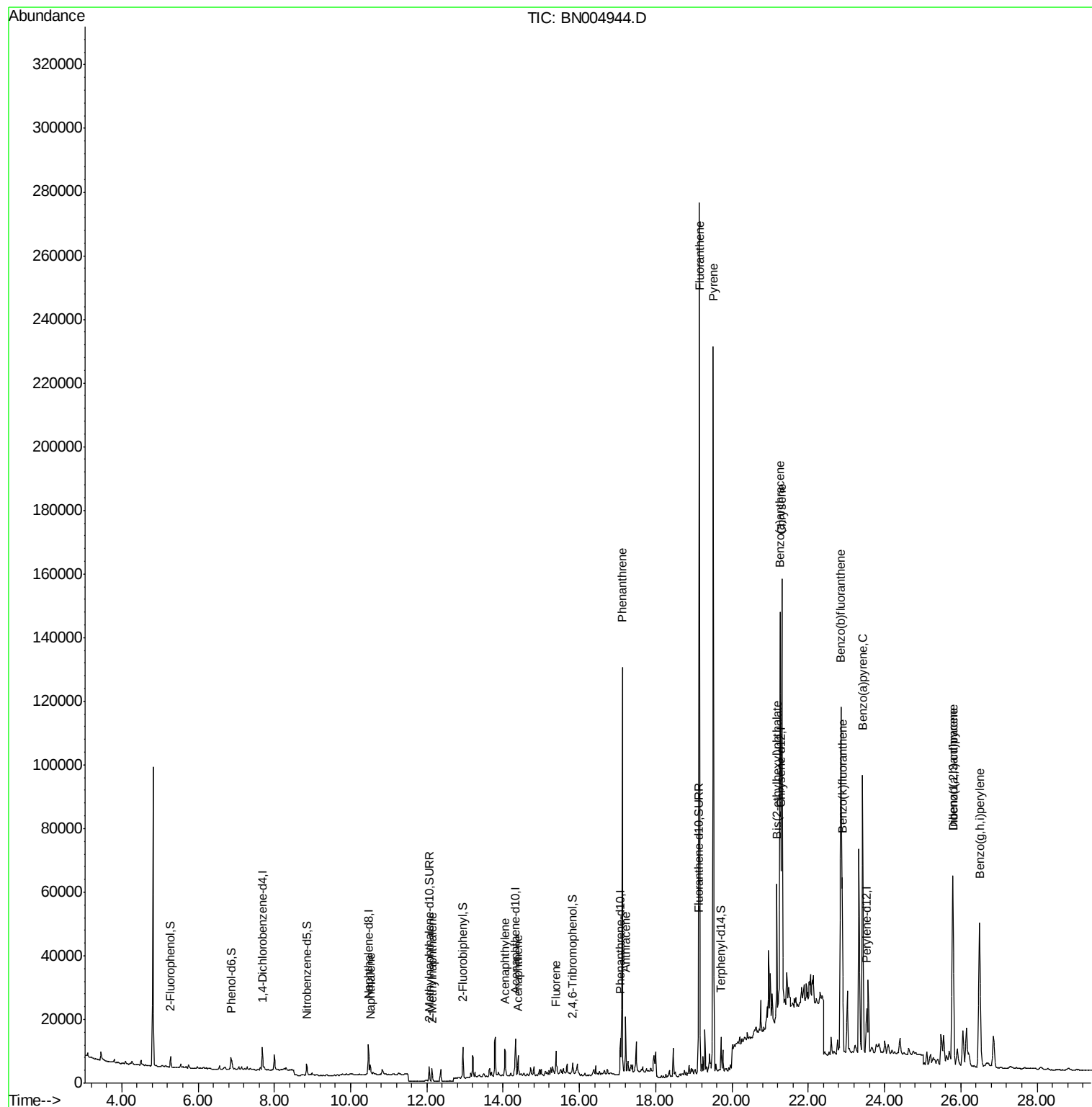
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
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Sample : K2015-19
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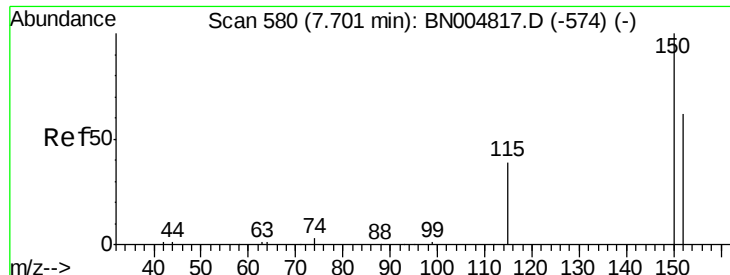
Instrument :
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ClientSampleId :
PST-073-B160-031919

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Quant Time: Mar 25 04:04:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M
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#1

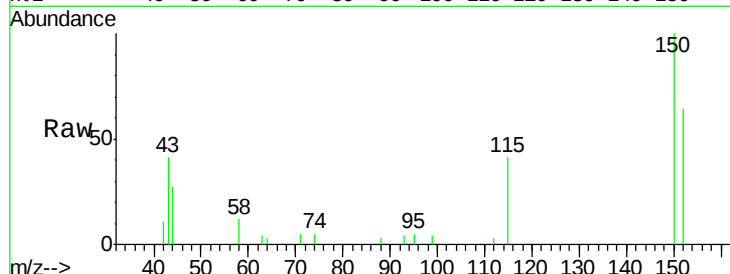
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Instrument :
BNA_N
ClientSampleId :
PST-073-B160-031919

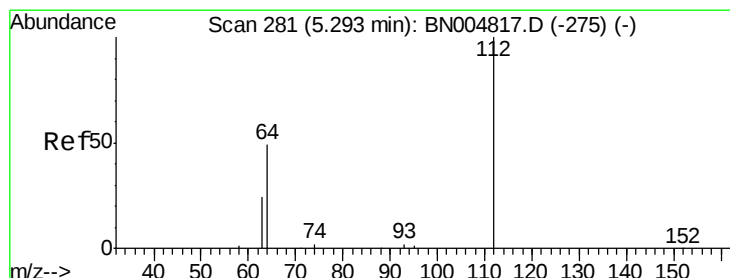
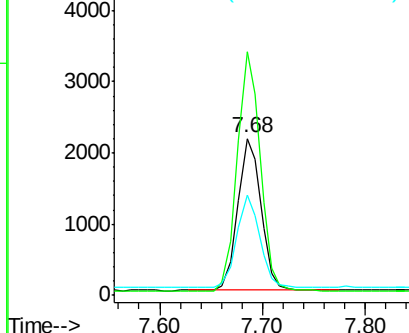
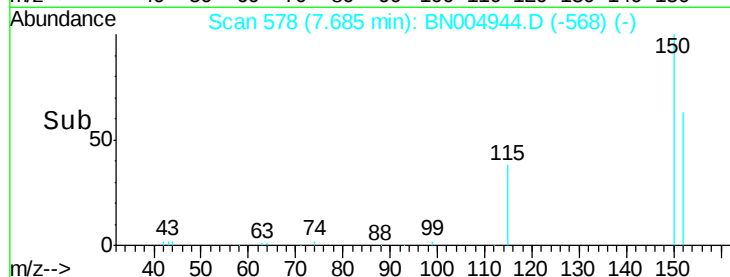
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.4
115	63.9	52.6	79.0

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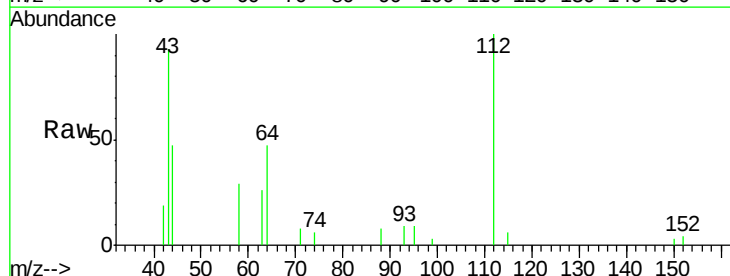
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



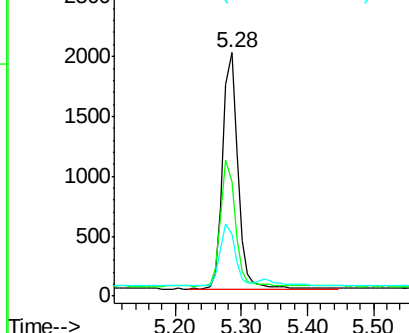
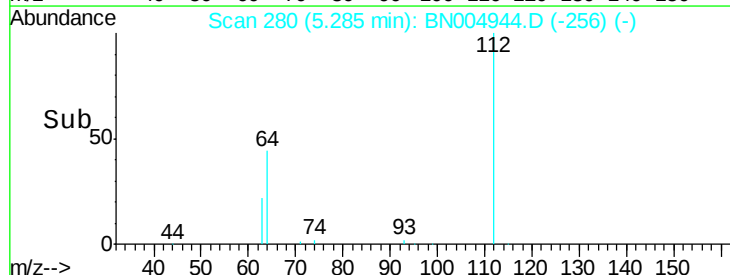
#4

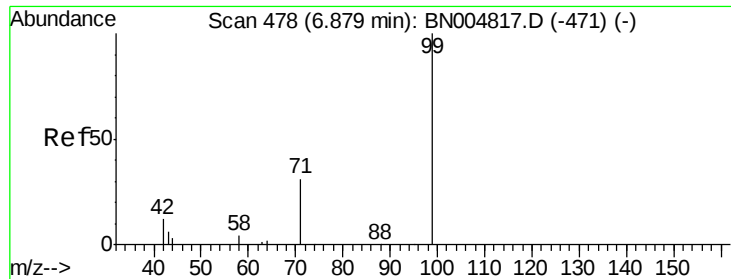
2-Fluorophenol
Concen: 0.338 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	40.0	60.0
63	25.4	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: 0.337 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

Instrument :

BNA_N

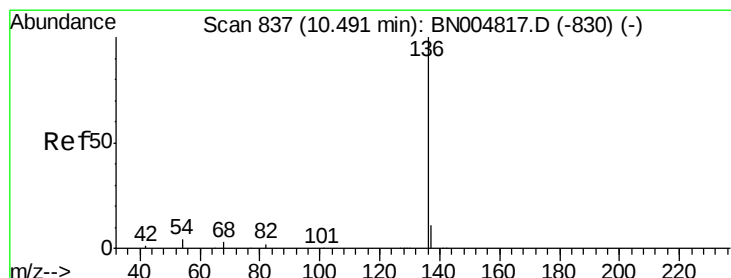
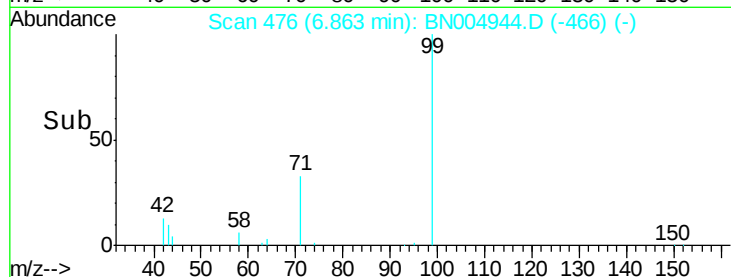
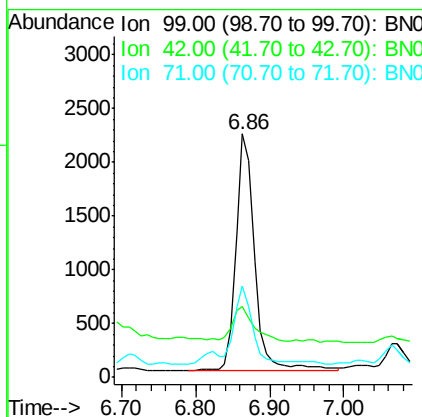
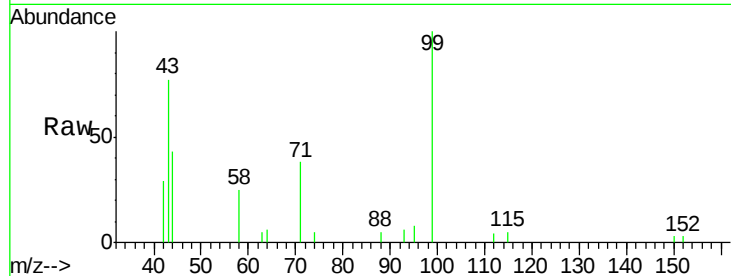
ClientSampleId :

PST-073-B160-031919

Tgt Ion:	99	Resp:	3826
Ion Ratio	Lower	Upper	
99	100		
42	17.0	12.7	19.1
71	29.7	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

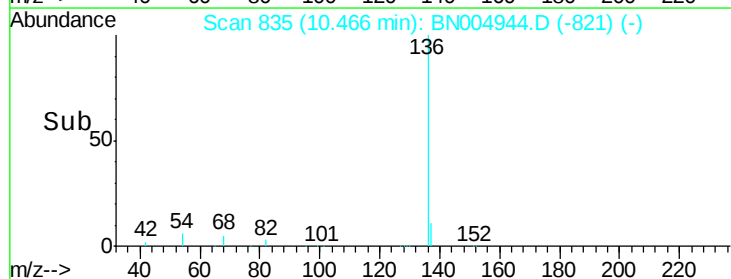
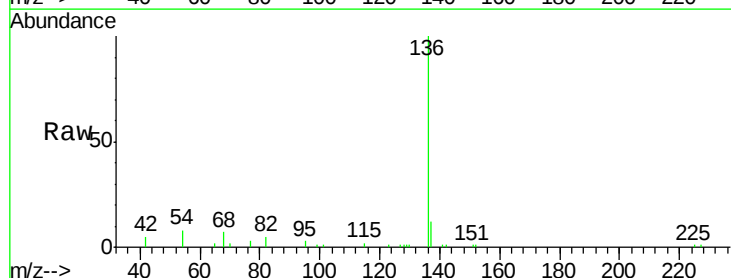
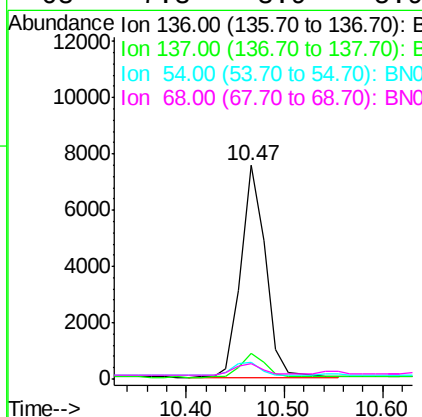
RT: 10.47 min Scan# 835

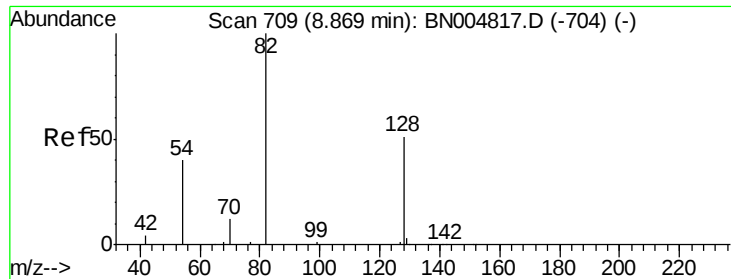
Delta R.T. -0.03 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

Tgt Ion:	136	Resp:	13055
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.6	14.4
54	7.8	4.2	6.2#
68	7.3	3.9	5.9#





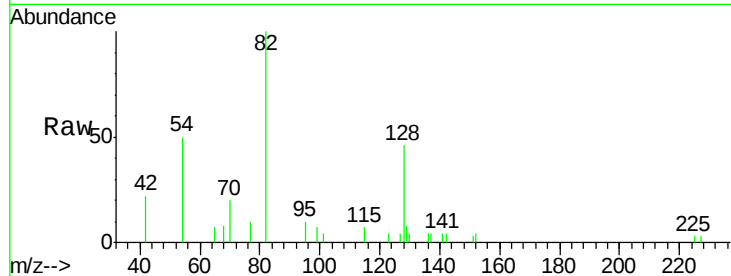
#8
 Nitrobenzene-d5
 Concen: 0.356 ng
 RT: 8.84 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B160-031919

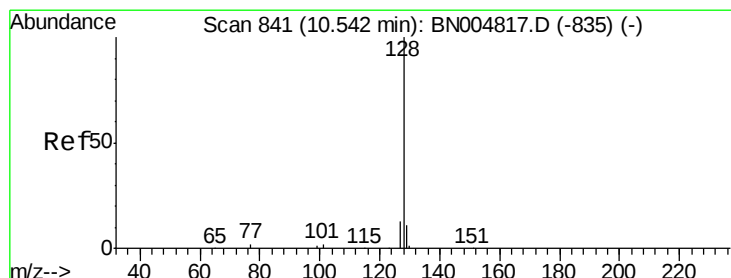
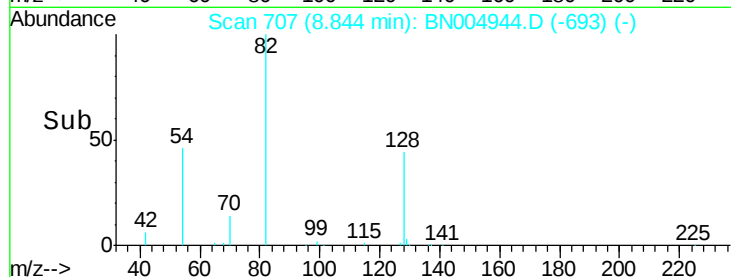
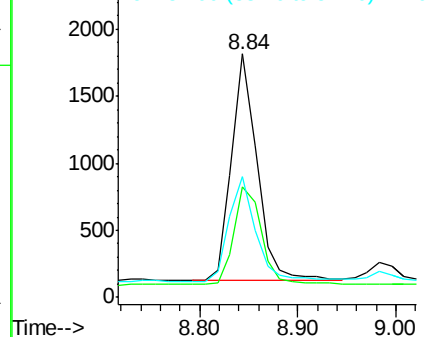
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.6	43.0	64.6
54	49.8	35.3	52.9

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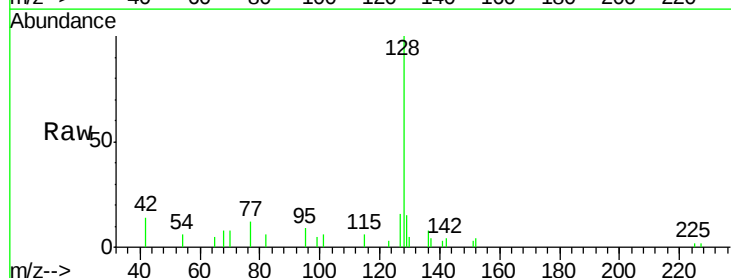


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

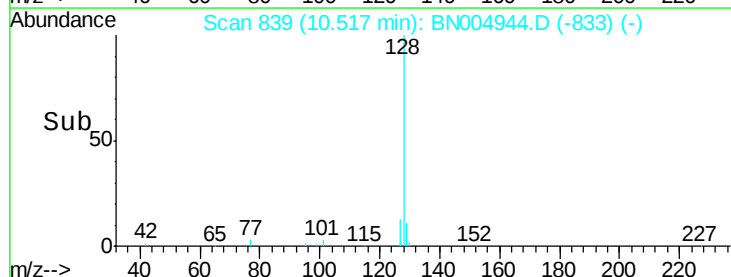
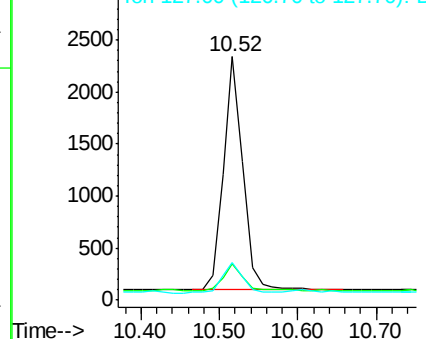


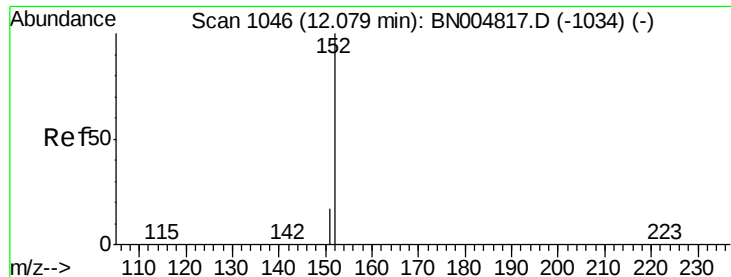
#9
 Naphthalene
 Concen: 0.105 ng
 RT: 10.52 min Scan# 839
 Delta R.T. -0.03 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.9	14.9
127	15.7	11.3	16.9



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.279 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

Instrument :

BNA_N

ClientSampleId :

PST-073-B160-031919

Tgt Ion:152 Resp: 6353

Ion Ratio Lower Upper

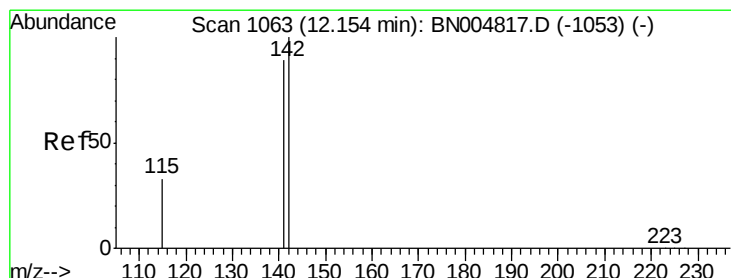
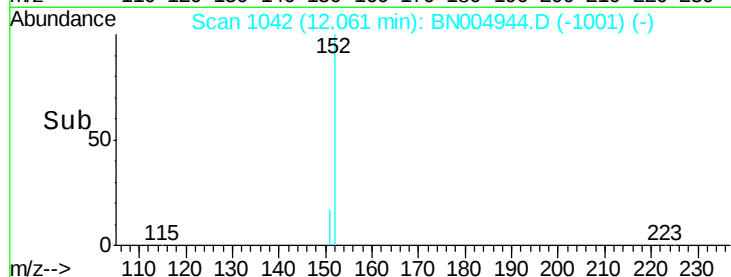
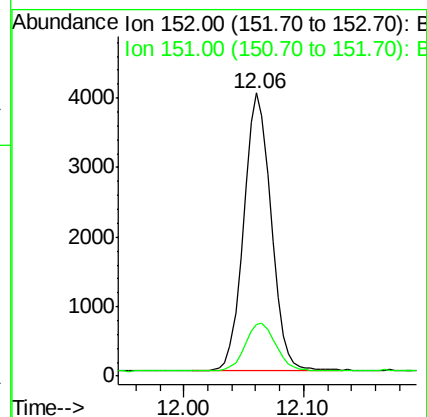
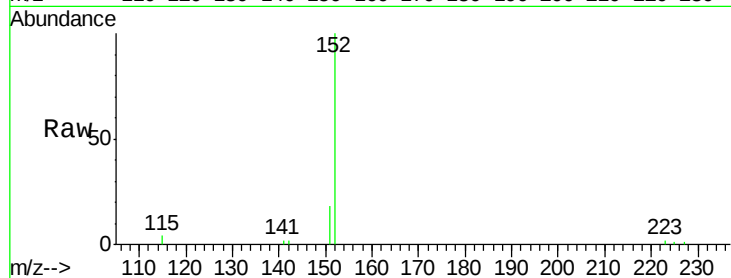
152 100

151 19.6 15.5 23.3

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#12

2-Methylnaphthalene

Concen: 0.112 ng

RT: 12.14 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

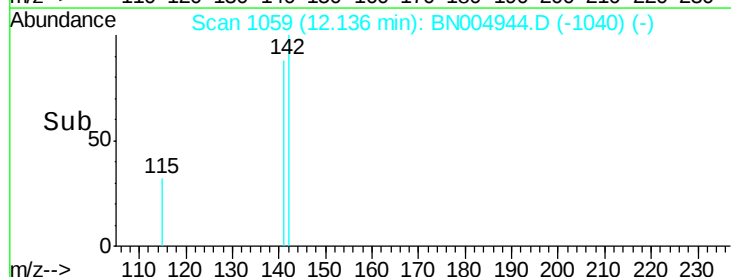
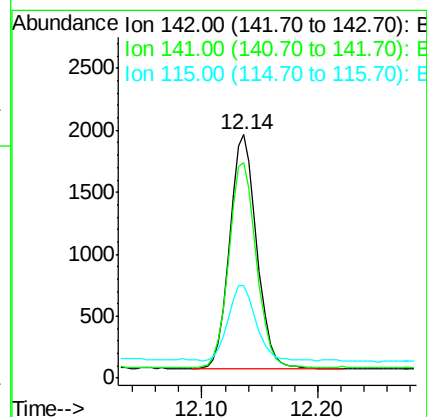
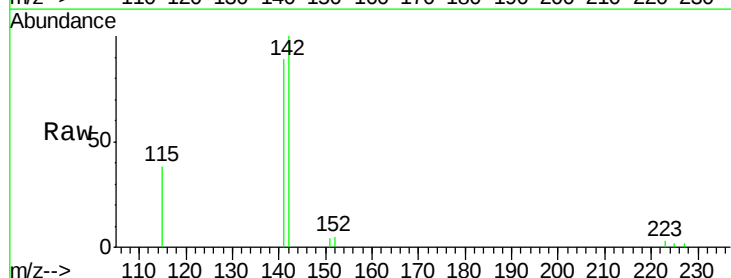
Tgt Ion:142 Resp: 3055

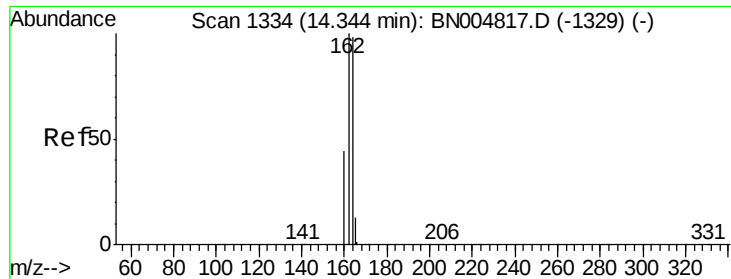
Ion Ratio Lower Upper

142 100

141 88.6 71.4 107.2

115 38.1 27.5 41.3





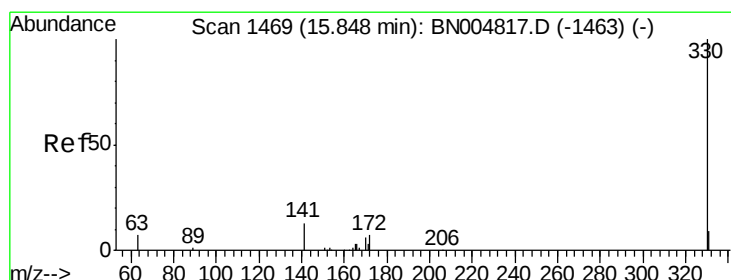
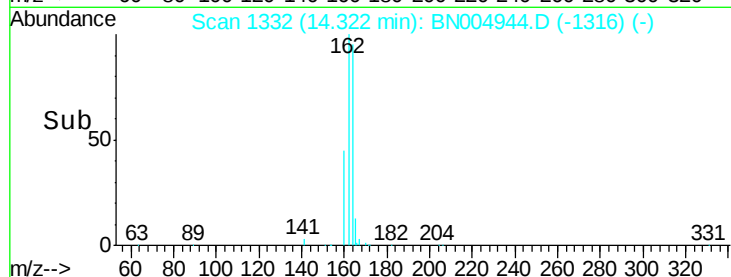
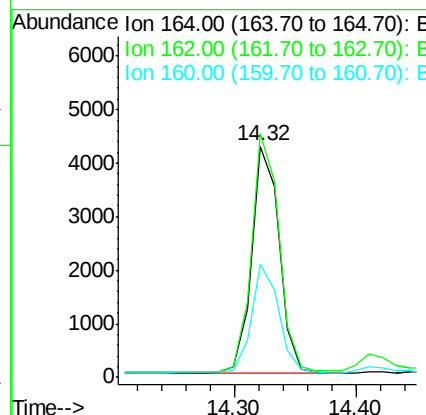
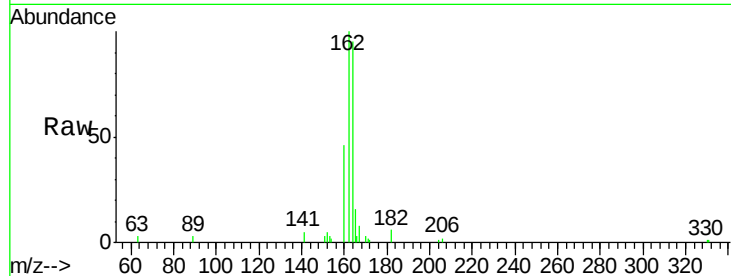
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Instrument :
BNA_N
ClientSampleId :
PST-073-B160-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	81.9	122.9
160	49.0	36.6	54.8

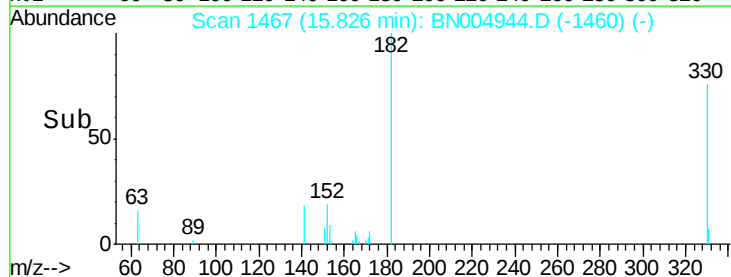
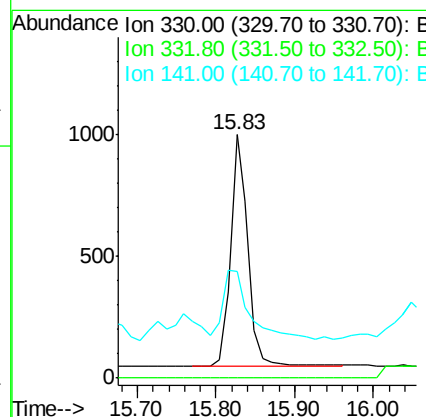
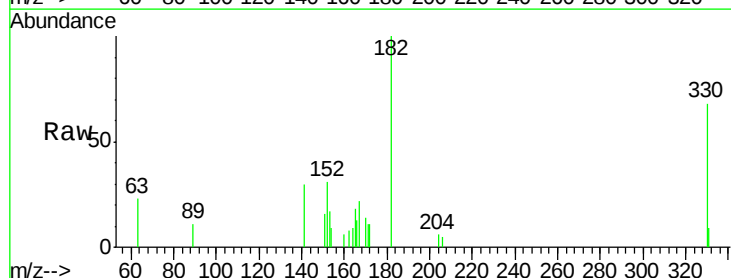
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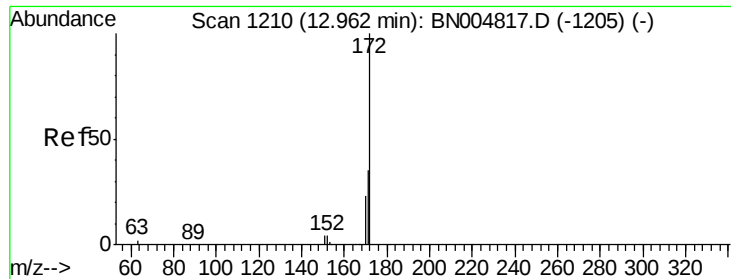
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#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004944.D
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	46.5	20.9	31.3#





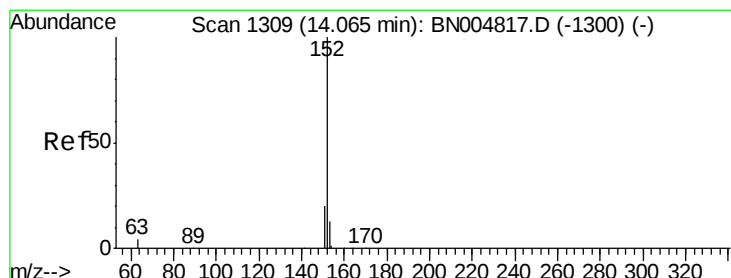
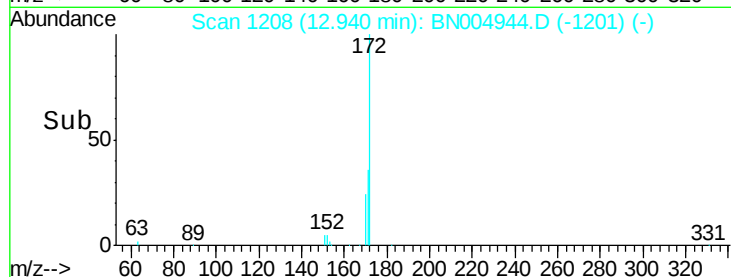
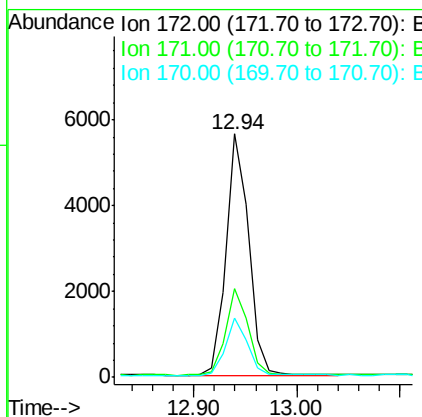
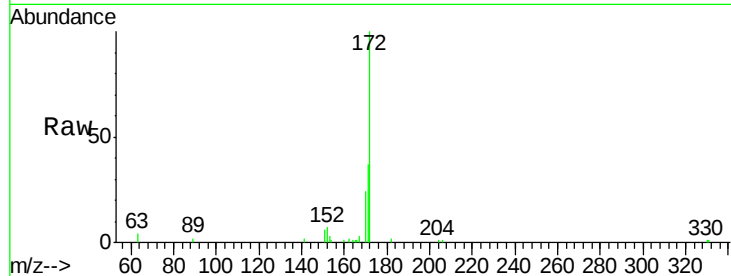
#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Instrument :
BNA_N
ClientSampleId :
PST-073-B160-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	24.3	18.7	28.1

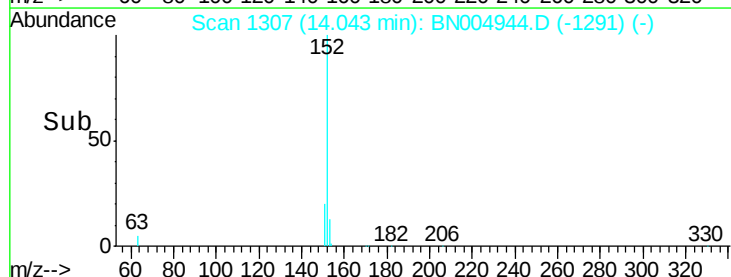
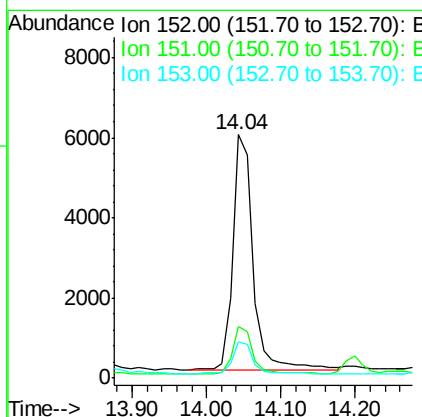
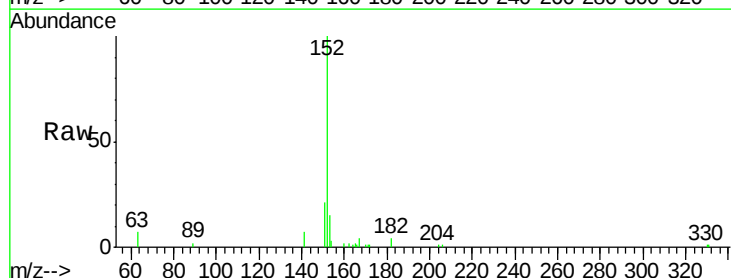
Manual Integrations
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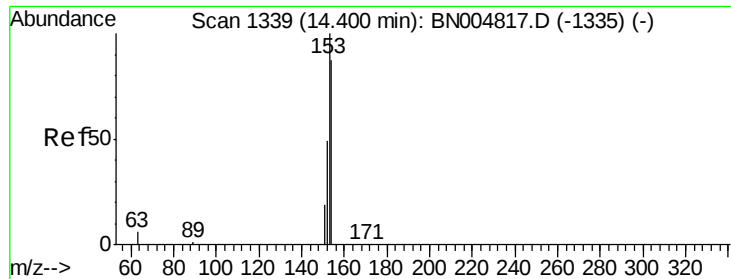
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#16
Acenaphthylene
Concen: 0.316 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.7	10.5	15.7





#17

Acenaphthene

Concen: 0.135 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

Instrument :

BNA_N

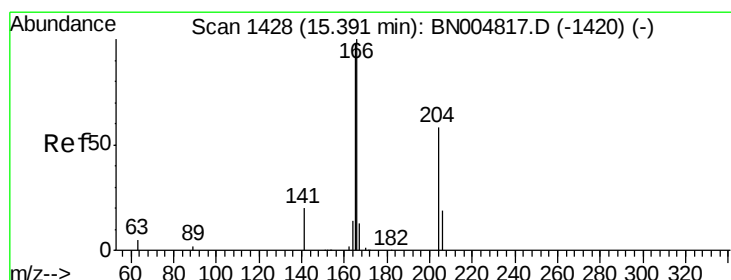
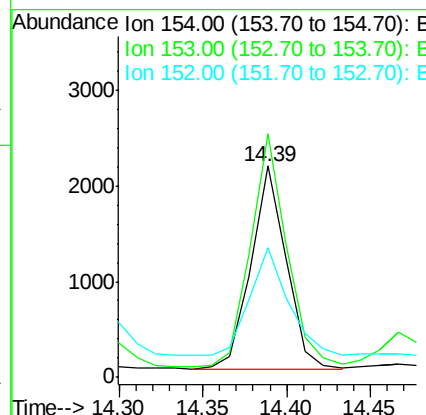
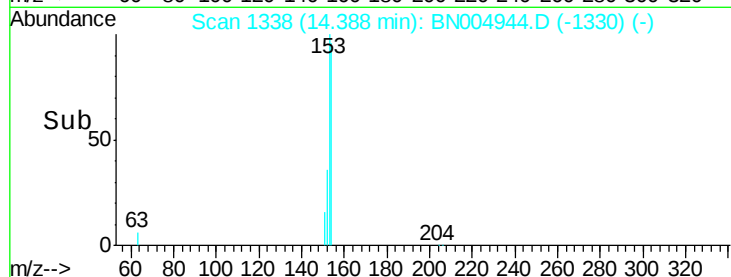
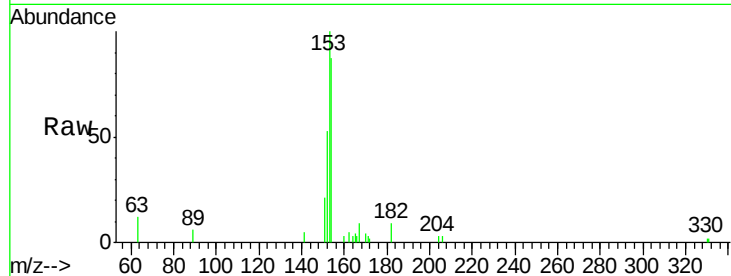
ClientSampled :

PST-073-B160-031919

Tgt Ion:	154	Resp:	3079
Ion Ratio	Lower	Upper	
154	100		
153	118.6	91.4	137.2
152	60.9	44.2	66.2

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#18

Fluorene

Concen: 0.159 ng

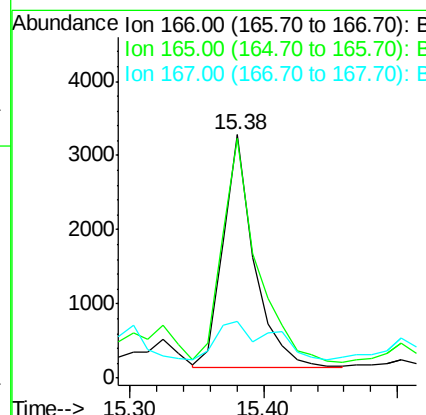
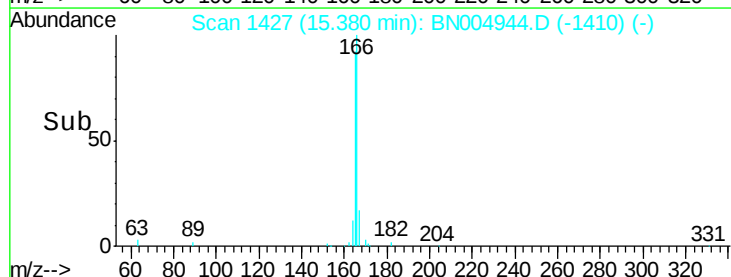
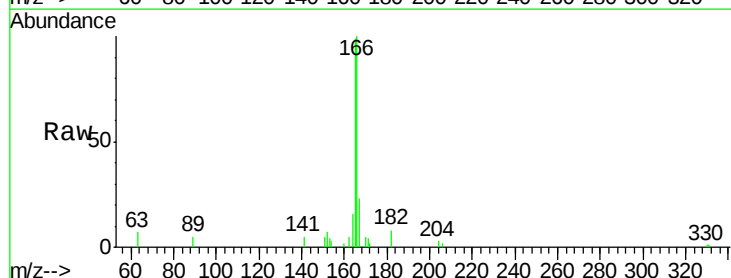
RT: 15.38 min Scan# 1427

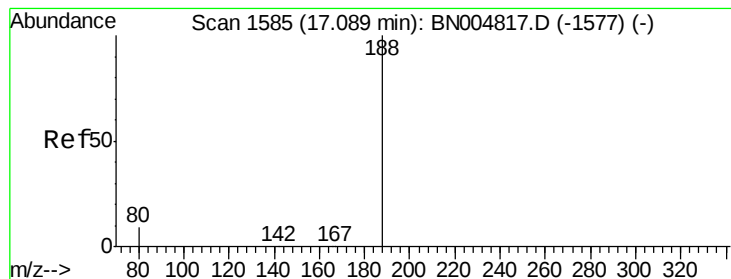
Delta R.T. -0.01 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

Tgt Ion:	166	Resp:	5047
Ion Ratio	Lower	Upper	
166	100		
165	108.4	78.2	117.4
167	29.8	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: BN004944.D

Acq: 24 Mar 2019 18:11

Instrument :

BNA_N

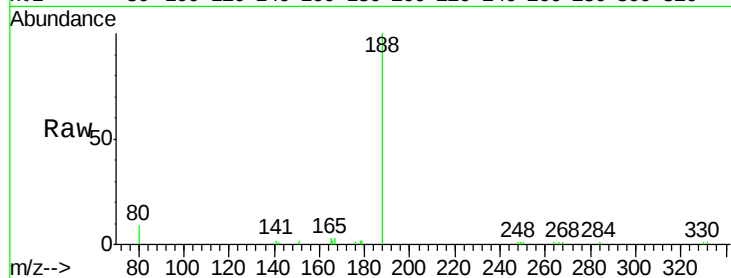
ClientSampleId :

PST-073-B160-031919

Tgt Ion:	188	Resp:	14452
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.3	7.4	11.2

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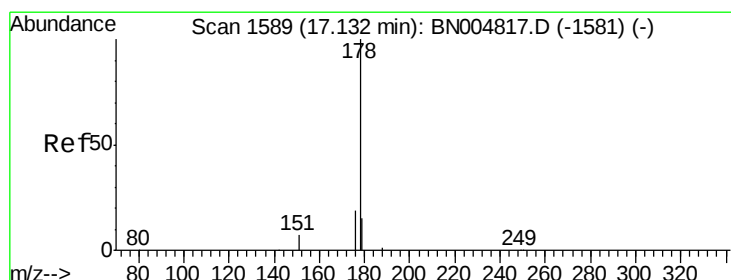
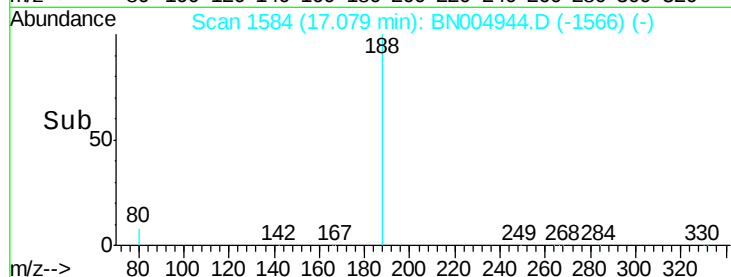
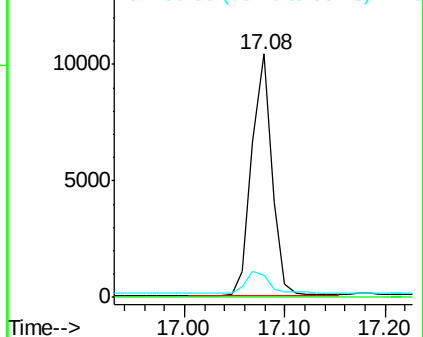
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 2.923 ng

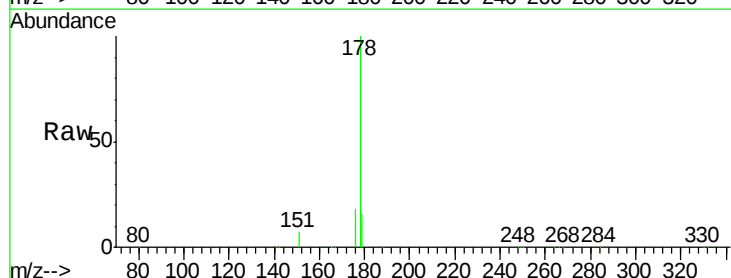
RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

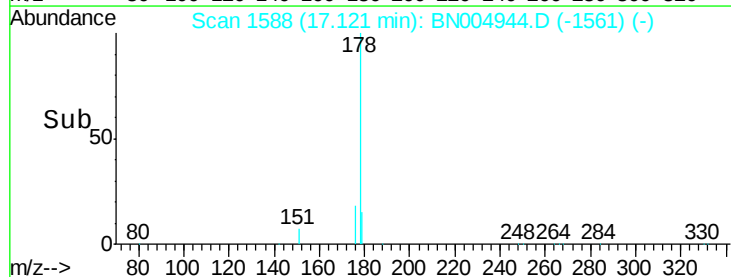
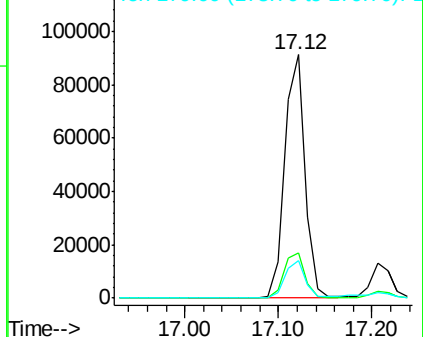
Tgt Ion:	178	Resp:	136408
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	15.5	12.1	18.1

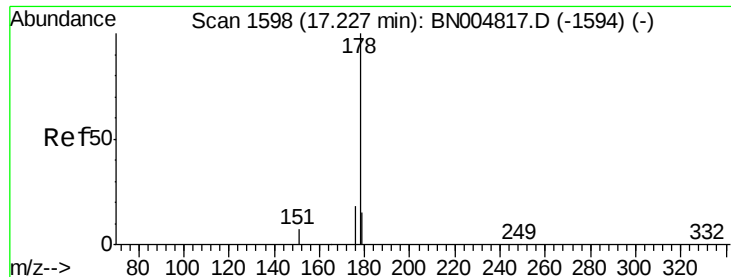


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





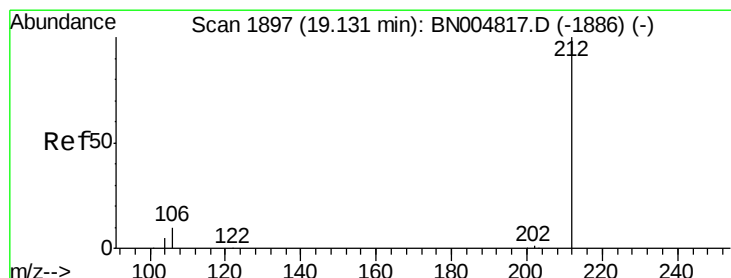
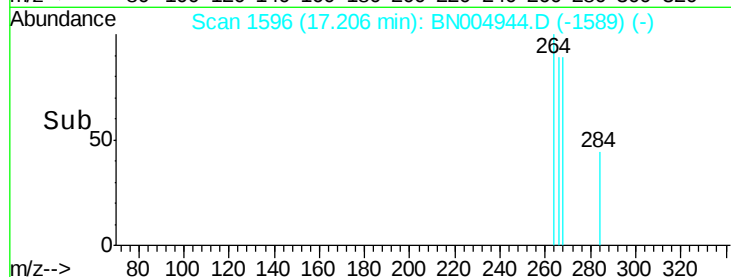
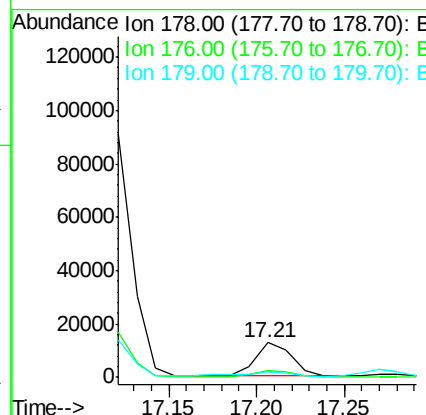
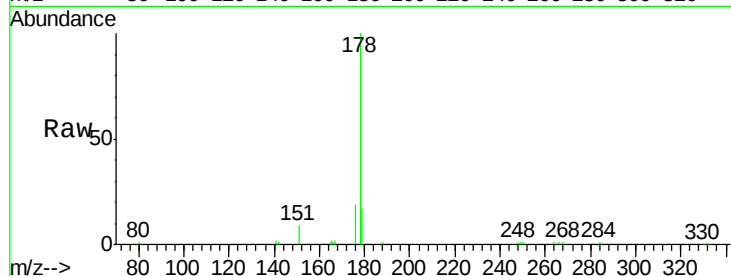
#24
 Anthracene
 Concen: 0.445 ng
 RT: 17.21 min Scan# 1596
 Delta R.T. -0.02 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B160-031919

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	19.6	12.2	18.4

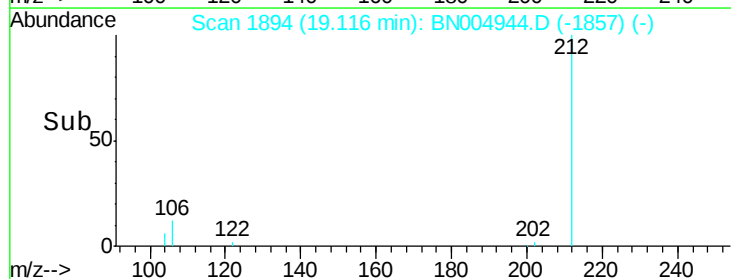
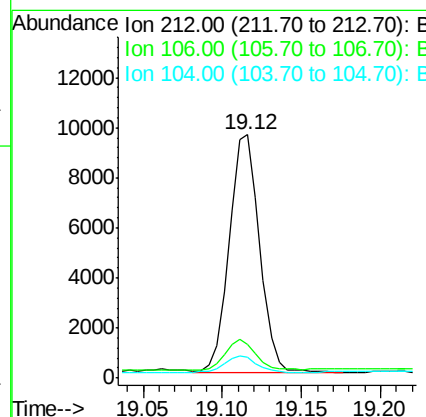
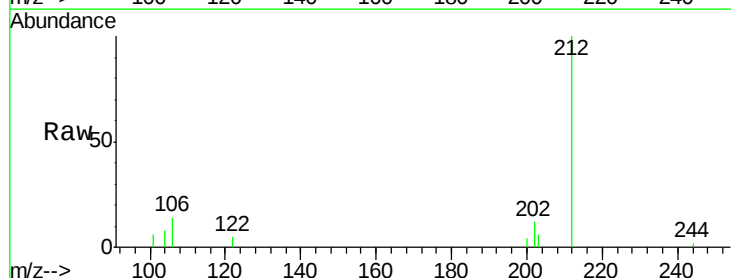
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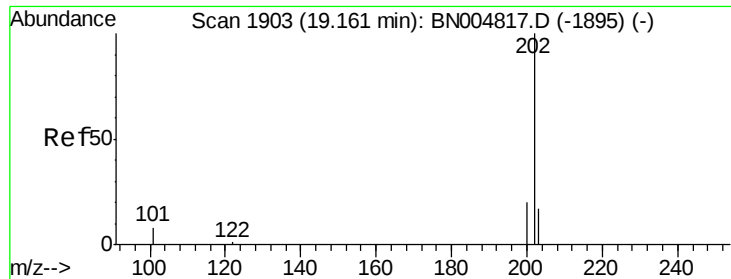
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#25
 Fluoranthene-d10
 Concen: 0.263 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.01 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.0	8.6	13.0
104	7.4	4.7	7.1





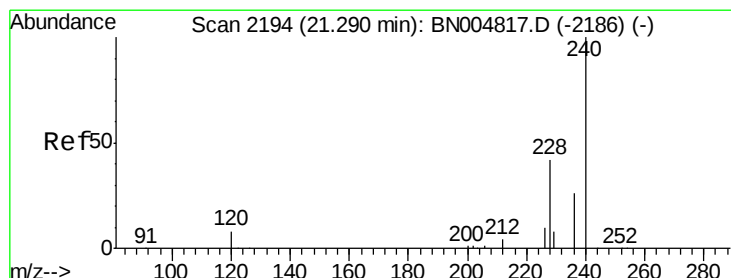
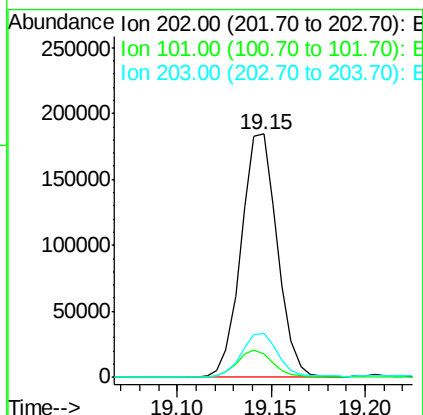
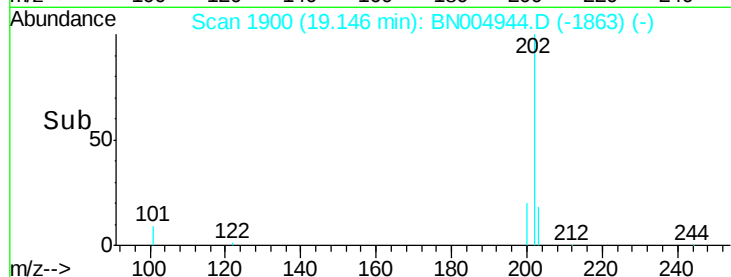
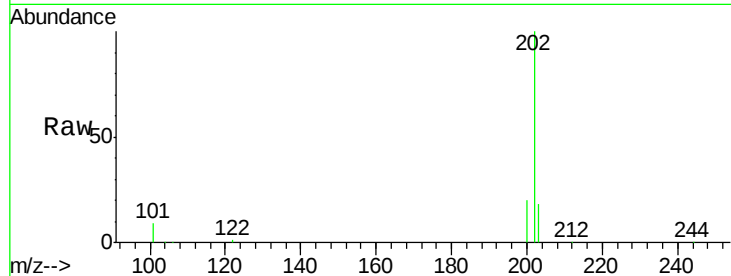
#26
Fluoranthene
Concen: 4.076 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Instrument :
BNA_N
ClientSampleId :
PST-073-B160-031919

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.8	7.5	11.3
203	17.9	13.8	20.6

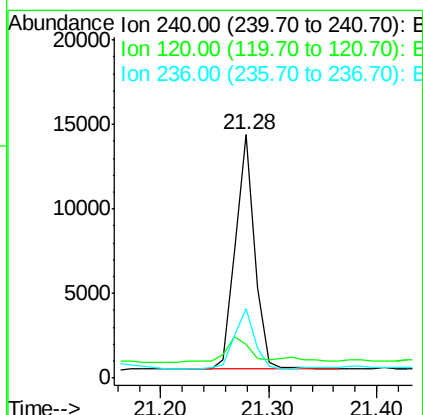
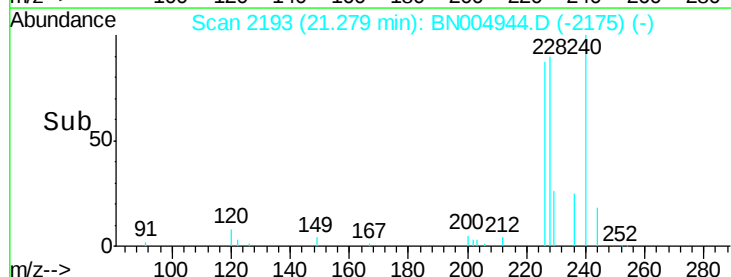
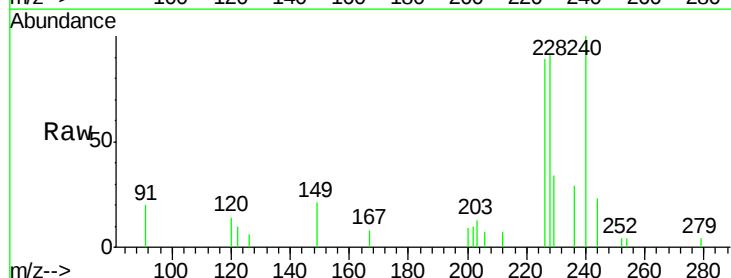
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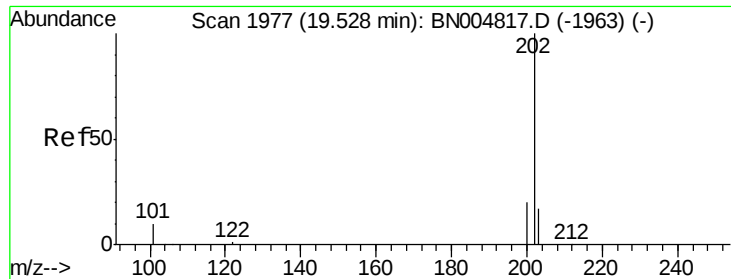
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.6	7.2	10.8#
236	28.7	20.9	31.3





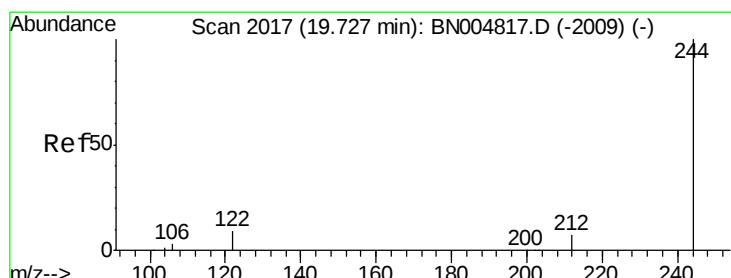
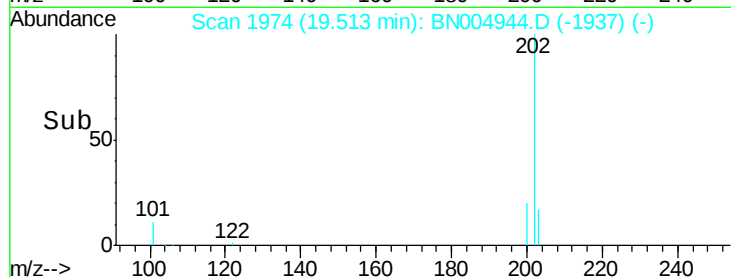
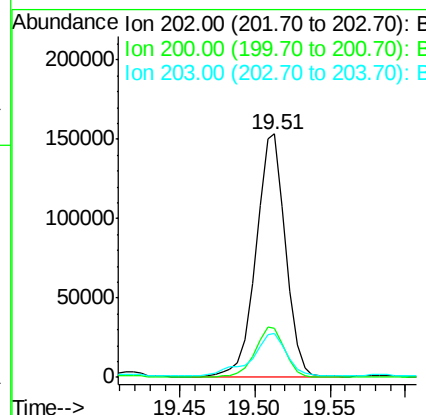
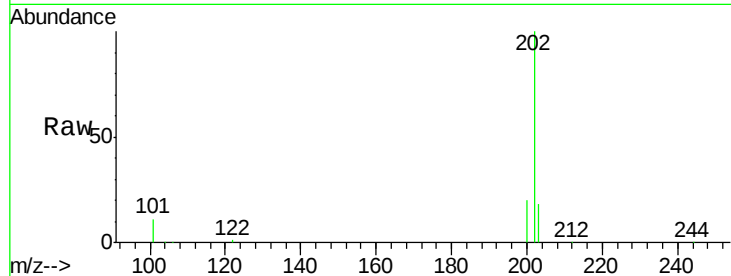
#28
 Pyrene
 Concen: 3.920 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B160-031919

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

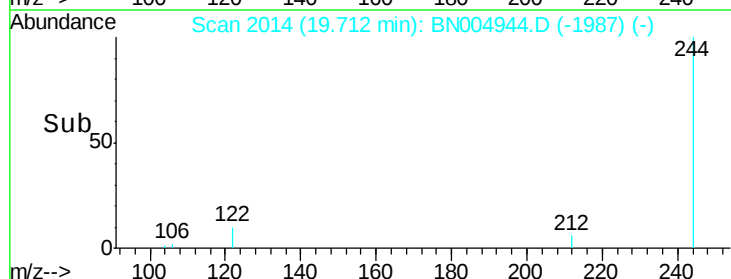
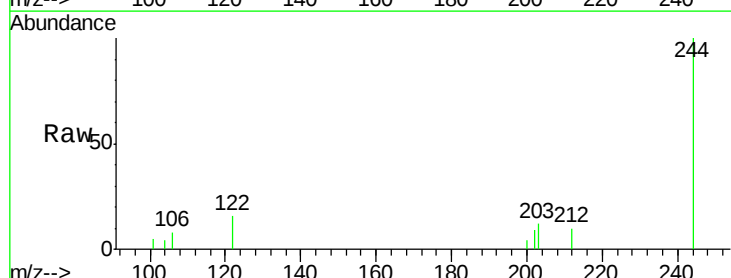
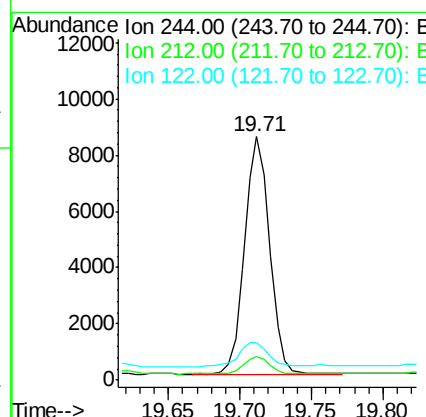
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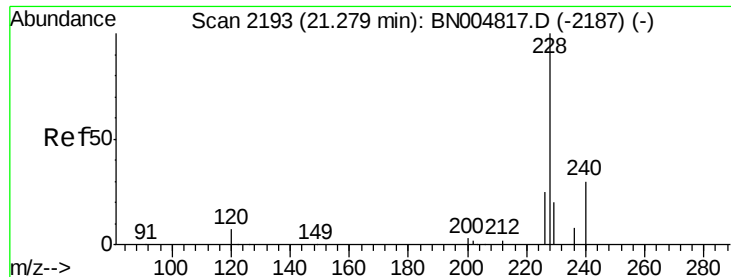
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#29
 Terphenyl-d14
 Concen: 0.289 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.6	5.8	8.6#
122	15.6	7.9	11.9#





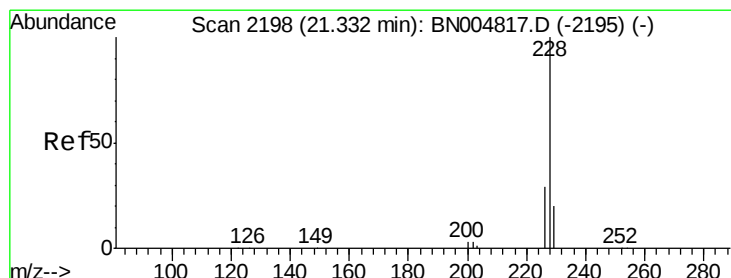
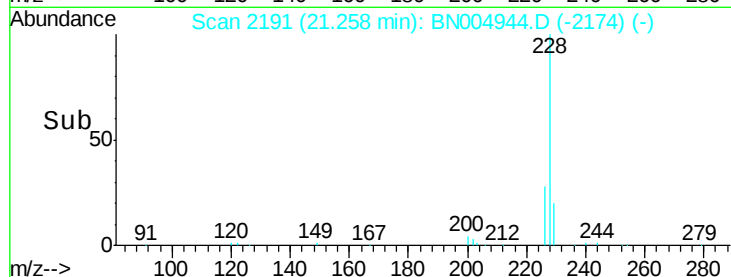
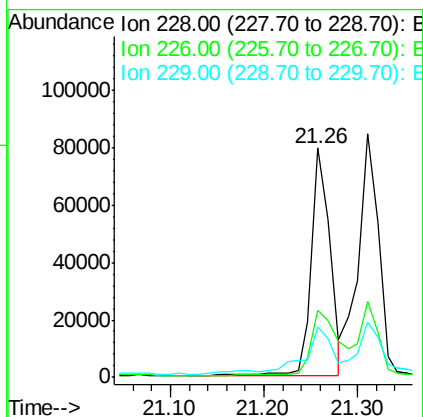
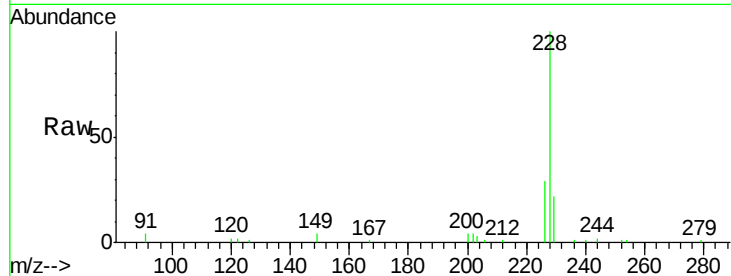
#30
Benzo(a)anthracene
Concen: 1.911 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Instrument :
BNA_N
ClientSampleId :
PST-073-B160-031919

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	20.6	31.0
229	21.8	16.2	24.4

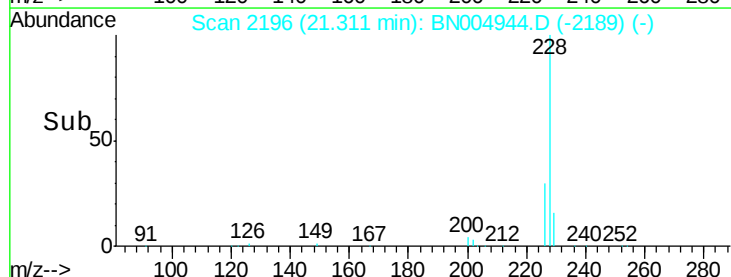
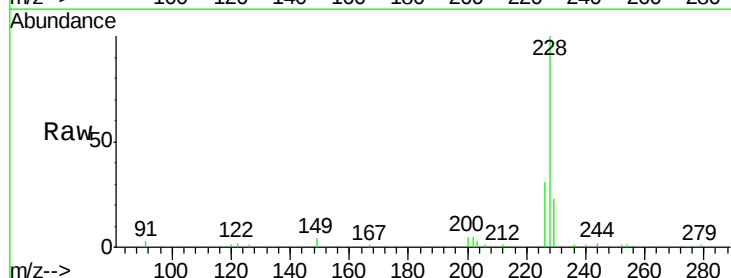
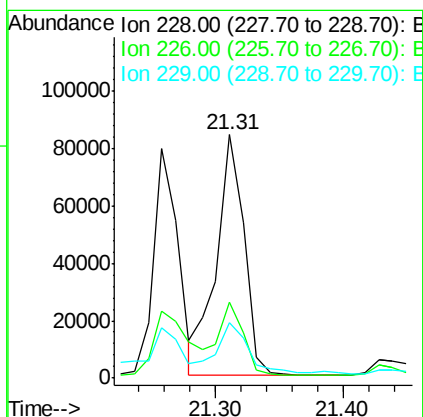
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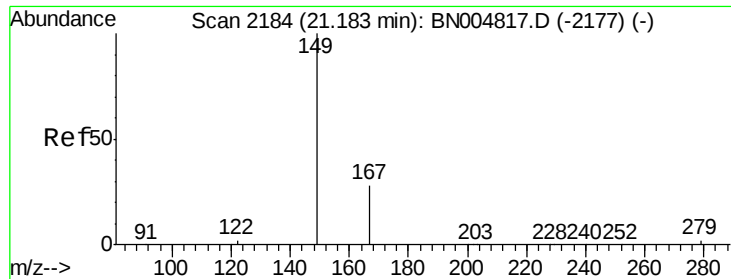
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#31
Chrysene
Concen: 2.095 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.6
229	22.6	16.2	24.2





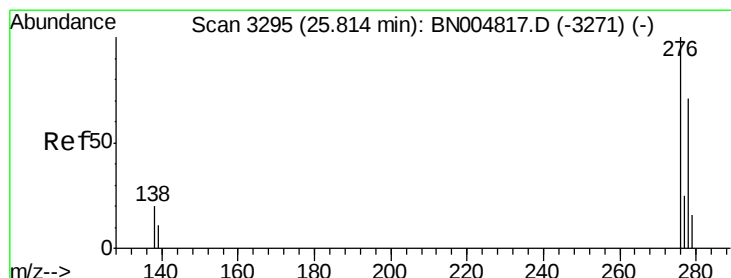
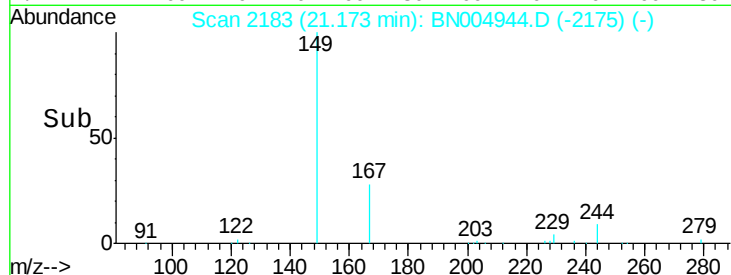
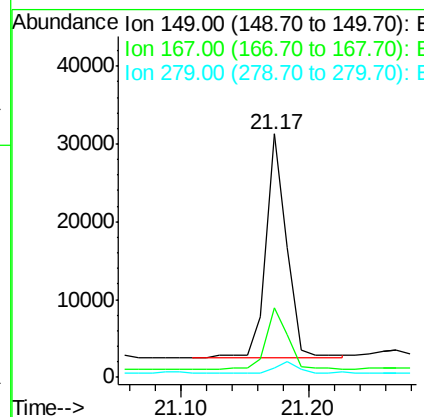
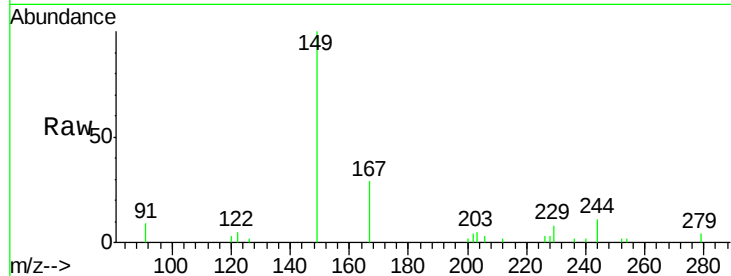
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.428 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B160-031919

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.0	34.4
279	5.3	4.6	6.8

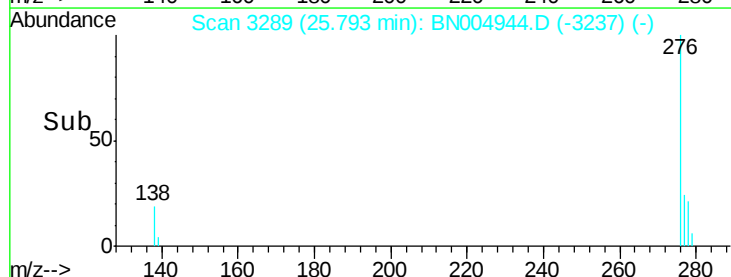
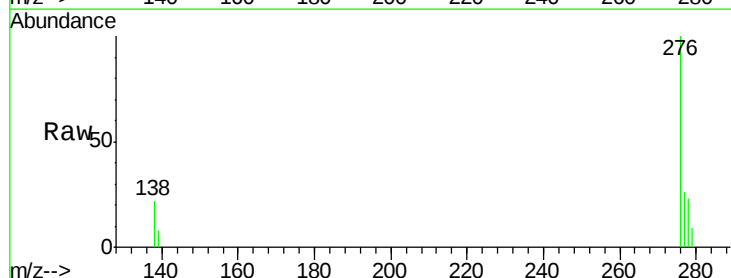
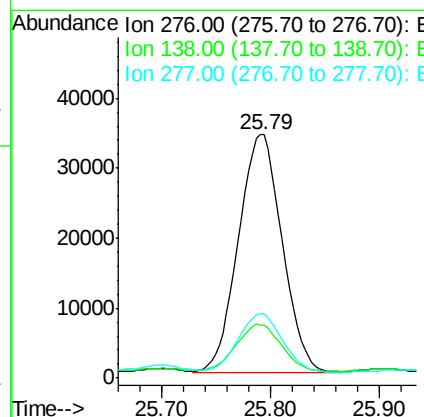
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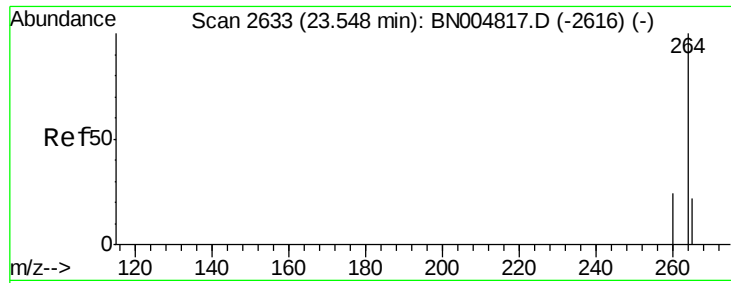
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.086 ng
 RT: 25.79 min Scan# 3289
 Delta R.T. -0.02 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

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





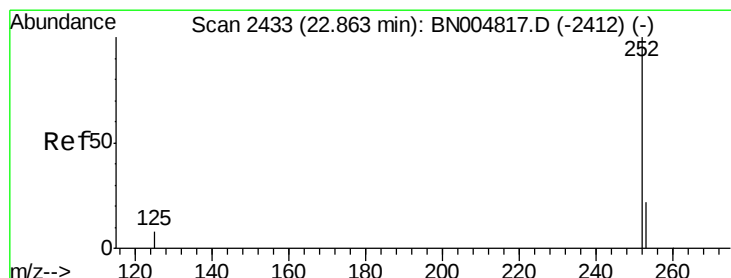
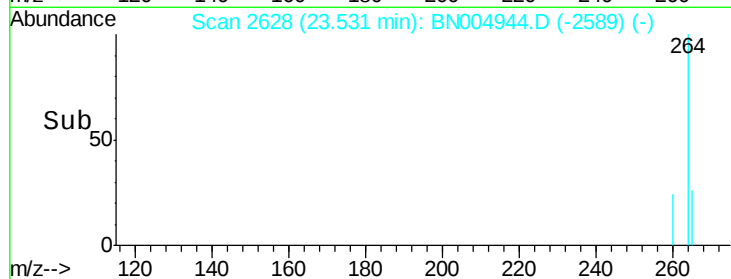
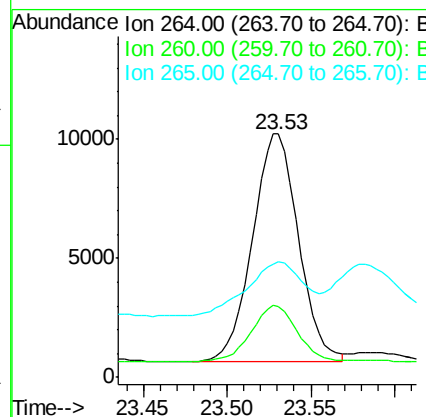
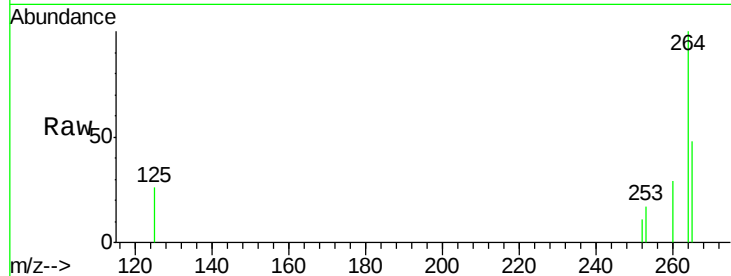
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-073-B160-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.9	19.5	29.3
265	47.6	23.1	34.7

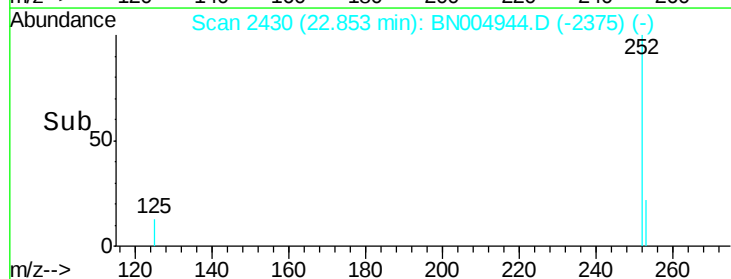
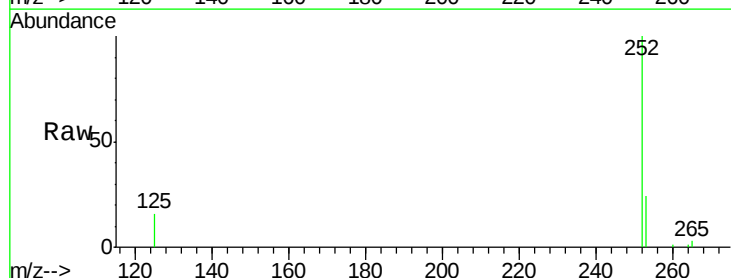
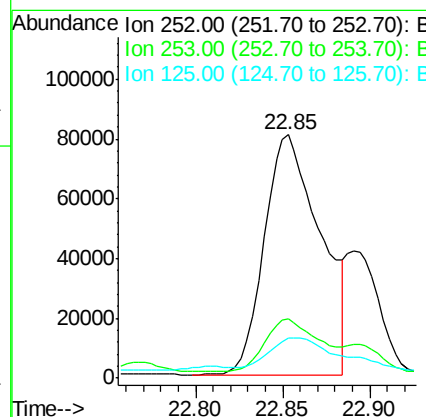
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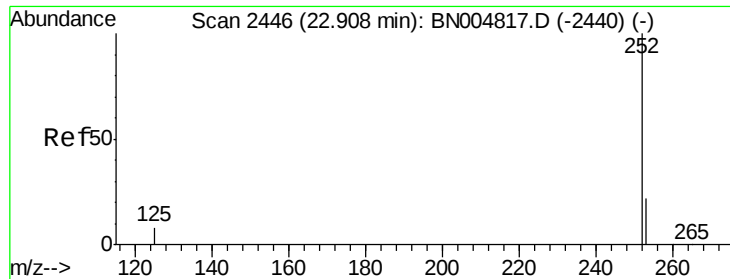
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#35
Benzo(b)fluoranthene
 Concen: 2.707 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004944.D
 Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	16.2	7.4	11.2





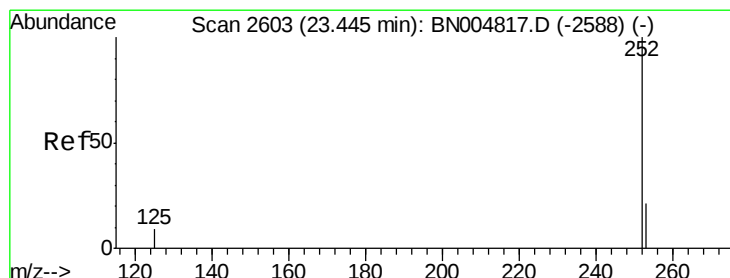
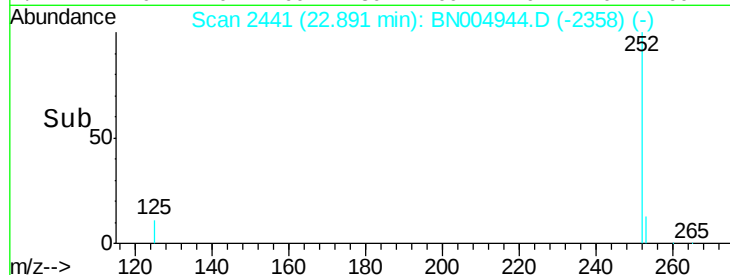
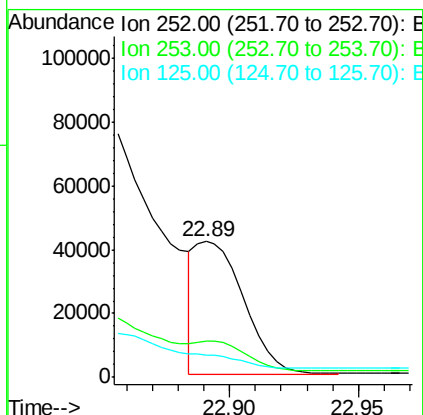
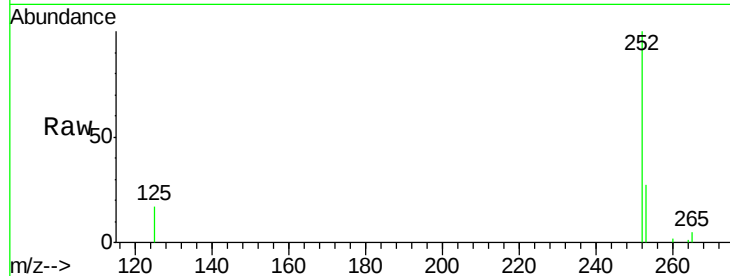
#36
Benzo(k)fluoranthene
Concen: 0.839 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Instrument :
BNA_N
ClientSampleId :
PST-073-B160-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.3	28.9
125	16.7	7.4	11.0

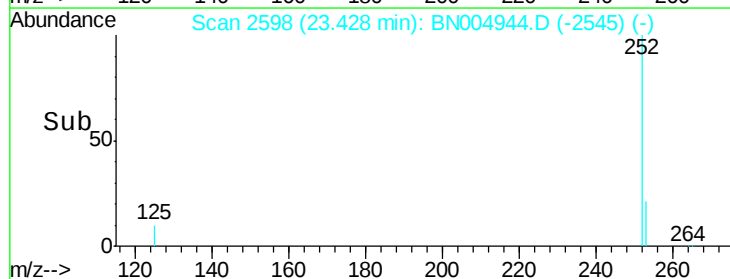
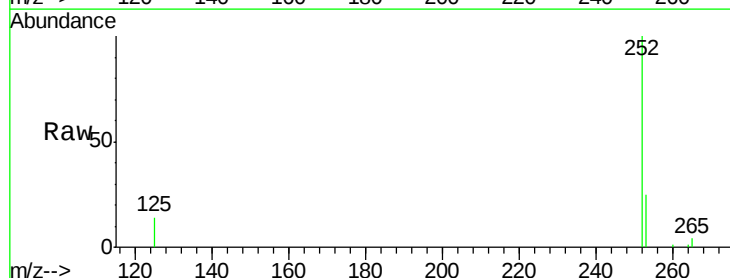
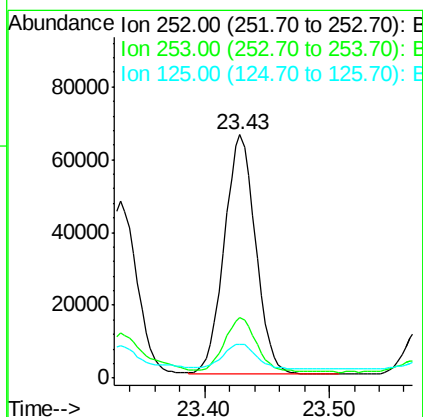
Manual Integrations
APPROVED

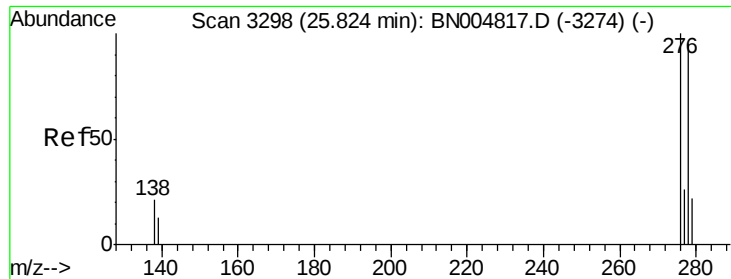
Sohil
3/26/2019 6:33:51 PM



#37
Benzo(a)pyrene
Concen: 1.886 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004944.D
Acq: 24 Mar 2019 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.7	29.5
125	14.1	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.342 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.03 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

Instrument :

BNA_N

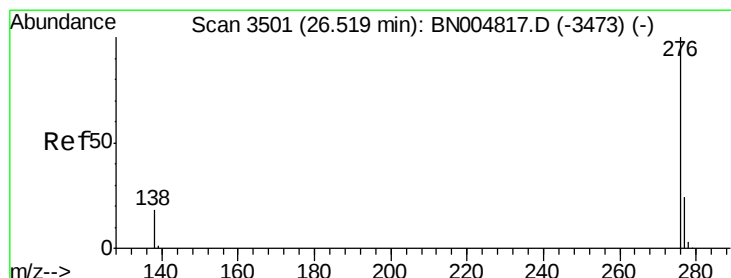
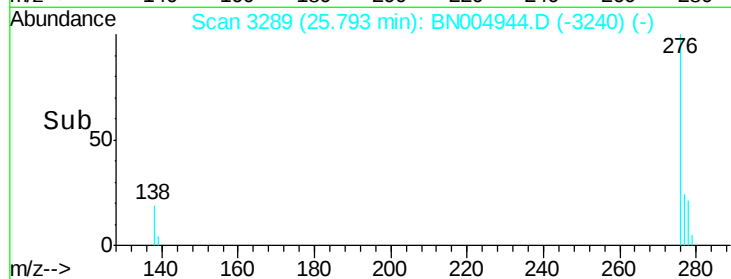
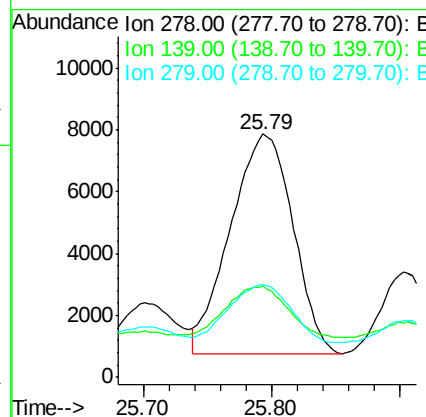
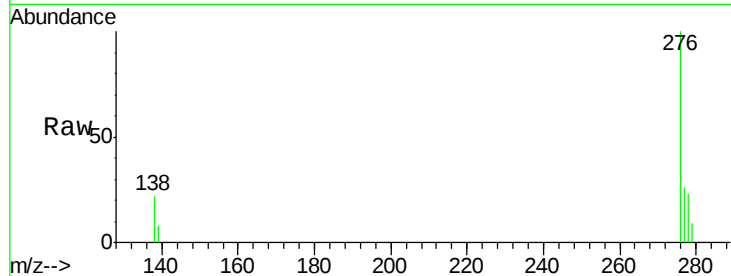
ClientSampleId :

PST-073-B160-031919

Tgt Ion:	278	Resp:	24176
Ion Ratio	Lower	Upper	
278	100		
139	37.4	11.7	17.5#
279	38.1	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/26/2019 6:33:51 PM



#39

Benzo(g,h,i)perylene

Concen: 1.296 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004944.D

Acq: 24 Mar 2019 18:11

Tgt Ion:	276	Resp:	93411
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.7	29.5
138	22.2	14.6	22.0#

