

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004943.D
 Acq On : 24 Mar 2019 17:36
 Operator : JU/SJ
 Sample : K2015-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-074-B161-031919

Manual Integrations
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 3/26/2019 6:33:50 PM

Quant Time: Mar 25 04:00:13 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	3726	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	14629	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	7423	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	15104	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17058	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18634	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	2838	0.28	ng	0.00
5) Phenol-d6	6.86	99	3425	0.27	ng	-0.02
8) Nitrobenzene-d5	8.84	82	2836	0.29	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	5814	0.23	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1260	0.25	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	7718	0.25	ng	-0.02
25) Fluoranthene-d10	19.12	212	10099	0.20	ng	-0.02
29) Terphenyl-d14	19.71	244	8494	0.24	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	4417	0.108	ng	96
12) 2-Methylnaphthalene	12.14	142	4023	0.132	ng	99
16) Acenaphthylene	14.04	152	7860	0.206	ng	98
17) Acenaphthene	14.39	154	669	0.027	ng	# 55
18) Fluorene	15.38	166	2437	0.070	ng	# 71
23) Phenanthrene	17.12	178	50164	1.029	ng	99
24) Anthracene	17.21	178	9658	0.222	ng	99
26) Fluoranthene	19.15	202	89015	1.420	ng	# 95
28) Pyrene	19.51	202	82514	1.586	ng	97
30) Benzo(a)anthracene	21.26	228	54868	0.981	ng	# 89
31) Chrysene	21.31	228	63373	1.076	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.17	149	27912	1.249	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	47597	0.558	ng	100
35) Benzo(b)fluoranthene	22.85	252	82988	1.231	ng	# 87
36) Benzo(k)fluoranthene	22.89	252	33162m	0.500	ng	
37) Benzo(a)pyrene	23.43	252	56974	0.921	ng	# 88
38) Dibenzo(a,h)anthracene	25.80	278	12986	0.181	ng	# 44
39) Benzo(g,h,i)perylene	26.49	276	46812	0.642	ng	# 91

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

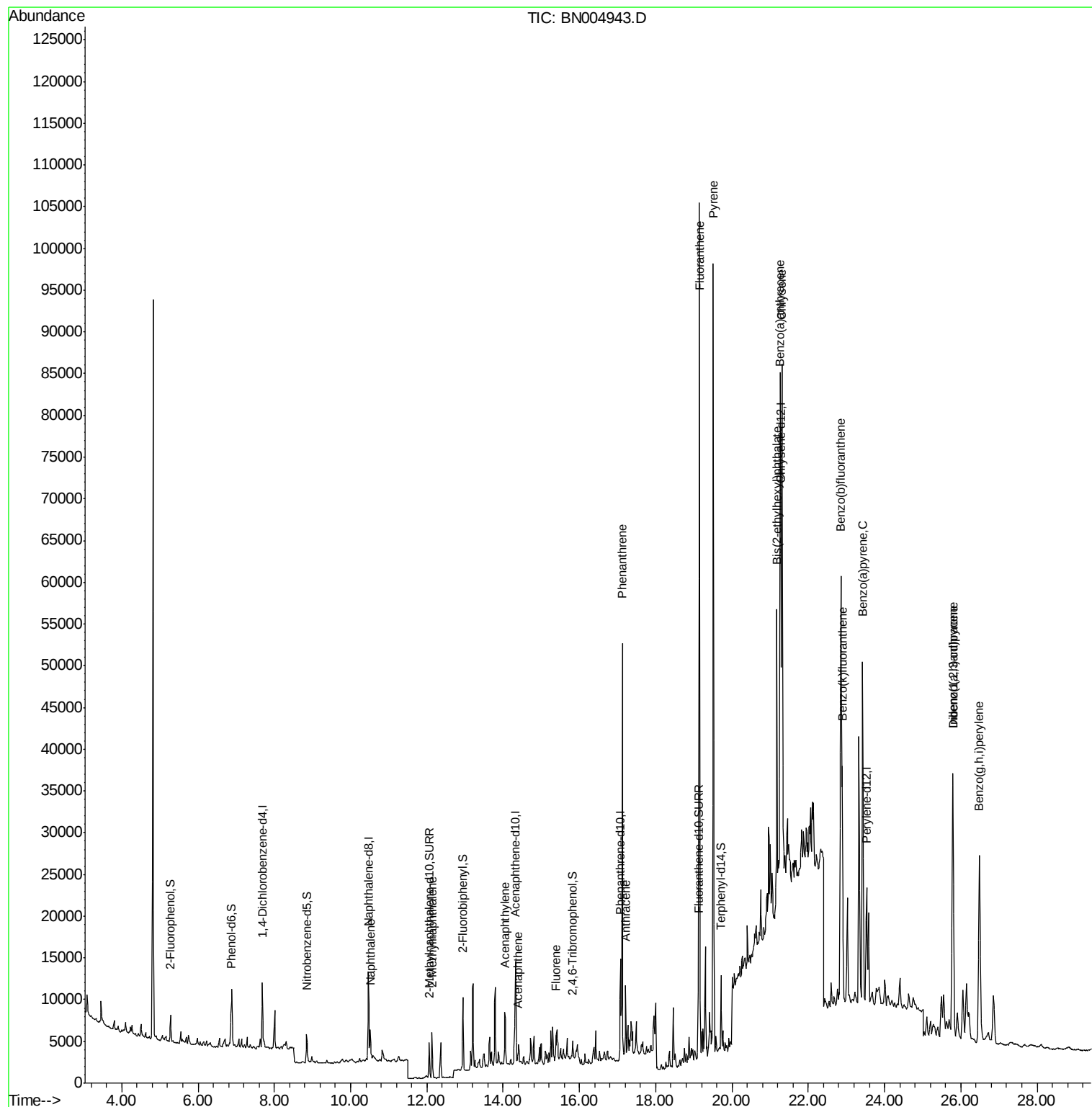
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.68 min Scan# 578

Delta R.T. -0.02 min

Lab File: BN004943.D

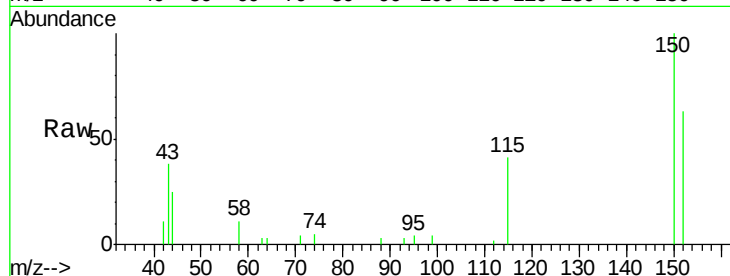
Acq: 24 Mar 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PST-074-B161-031919



Tgt Ion:152 Resp: 3726

Ion Ratio Lower Upper

152 100

150 158.1 126.2 189.4

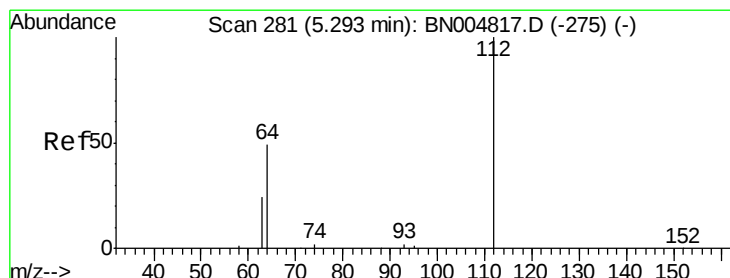
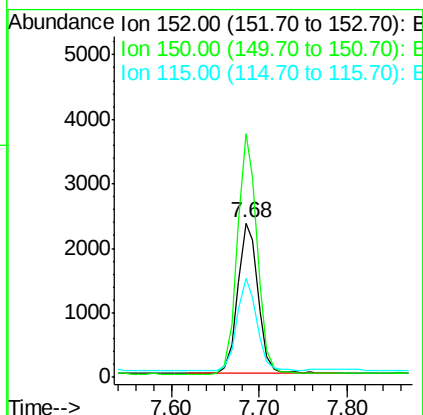
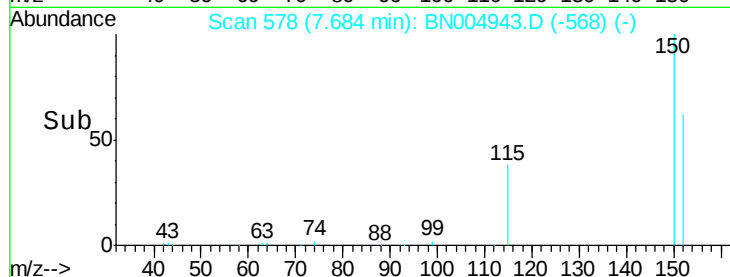
115 64.2 52.6 79.0

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#4

2-Fluorophenol

Concen: 0.280 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

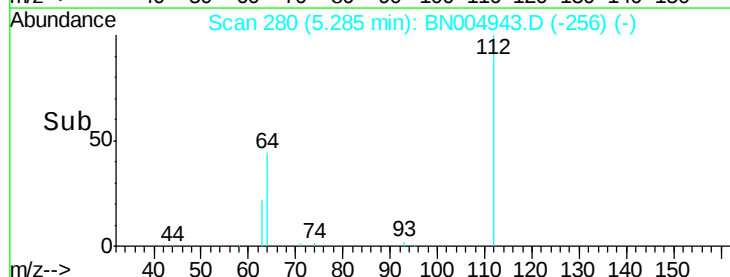
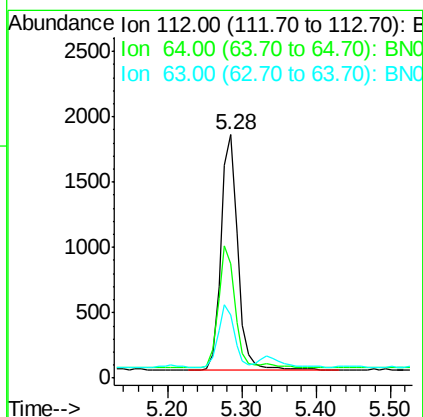
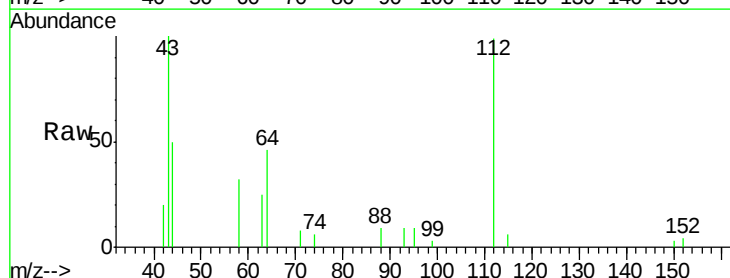
Tgt Ion:112 Resp: 2838

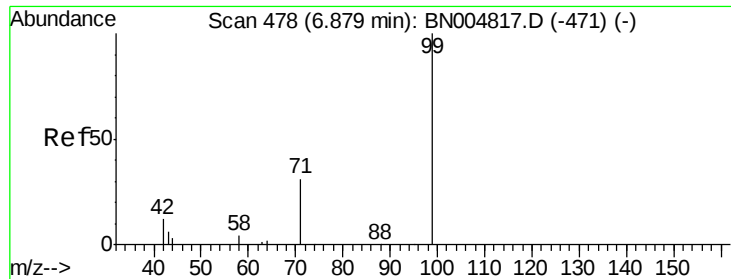
Ion Ratio Lower Upper

112 100

64 50.1 40.0 60.0

63 25.4 20.2 30.2





#5

Phenol-d6

Concen: 0.272 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Instrument :

BNA_N

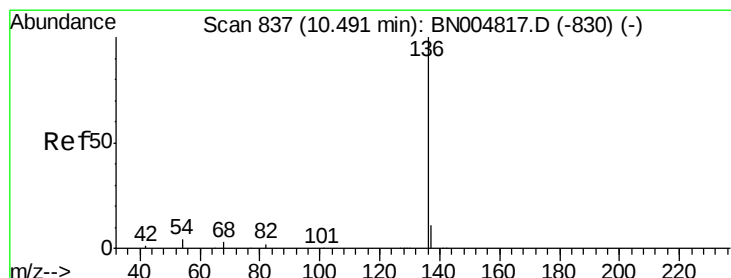
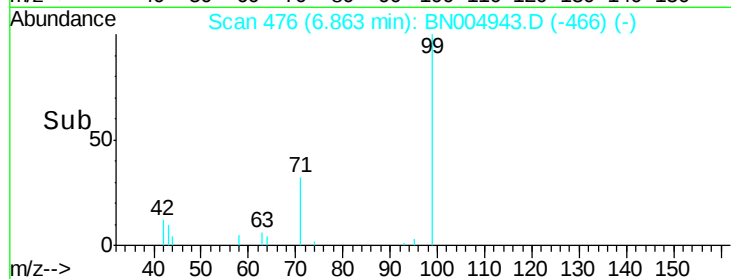
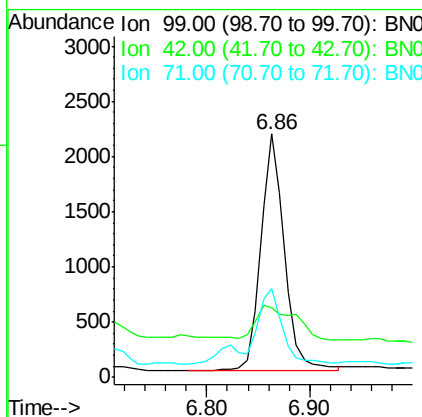
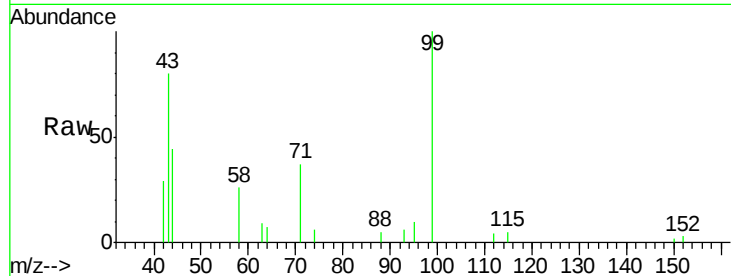
ClientSampleId :

PST-074-B161-031919

Tgt Ion:	99	Resp:	3425
Ion Ratio	Lower	Upper	
99	100		
42	24.6	12.7	19.1#
71	32.3	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

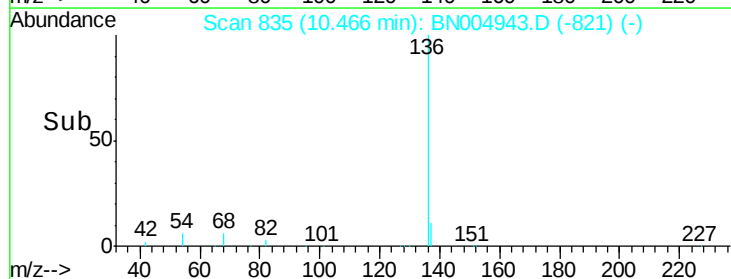
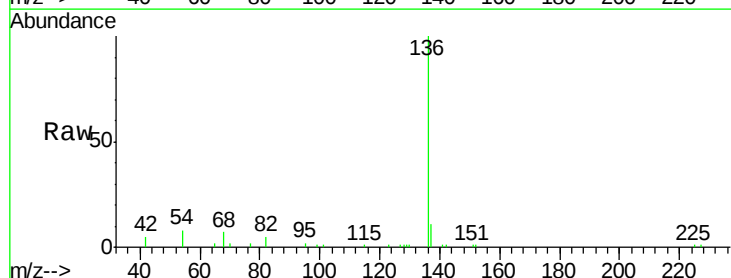
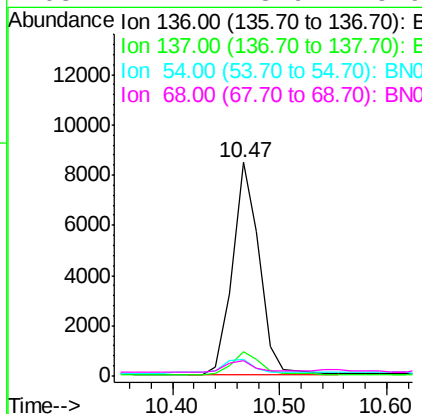
RT: 10.47 min Scan# 835

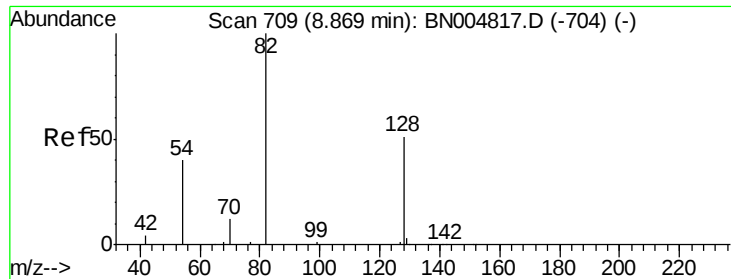
Delta R.T. -0.03 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Tgt Ion:	136	Resp:	14629
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.6	14.4
54	7.6	4.2	6.2#
68	7.1	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.293 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Instrument :

BNA_N

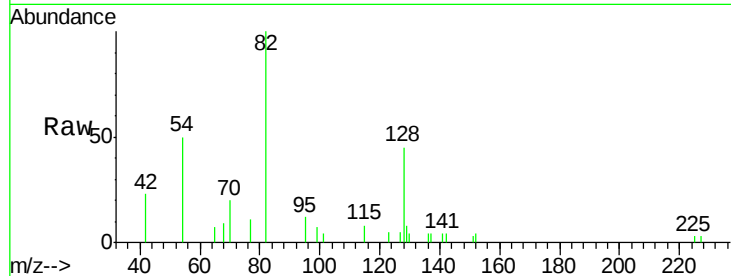
ClientSampleId :

PST-074-B161-031919

Tgt Ion:	82	Resp:	2836
Ion Ratio	Lower	Upper	
82	100		
128	45.0	43.0	64.6
54	49.7	35.3	52.9

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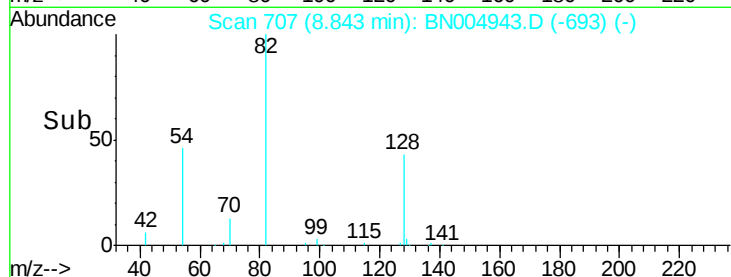


Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

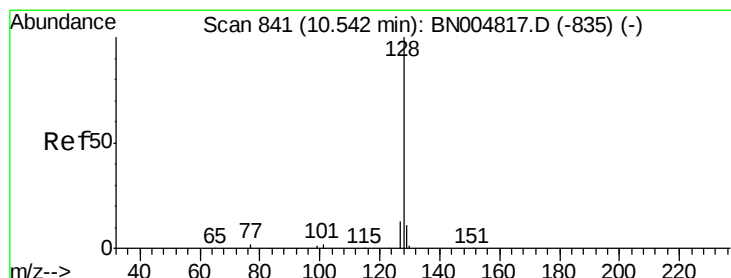
Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 0.108 ng

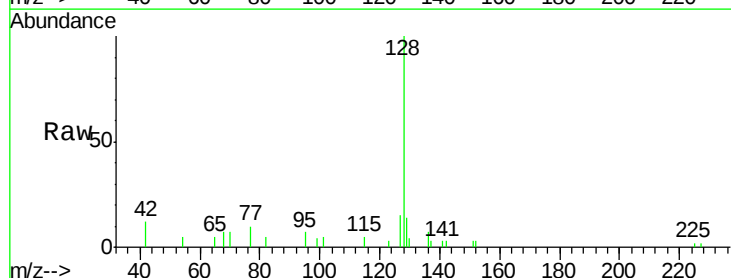
RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Tgt Ion:	128	Resp:	4417
Ion Ratio	Lower	Upper	
128	100		
129	14.2	9.9	14.9
127	15.4	11.3	16.9

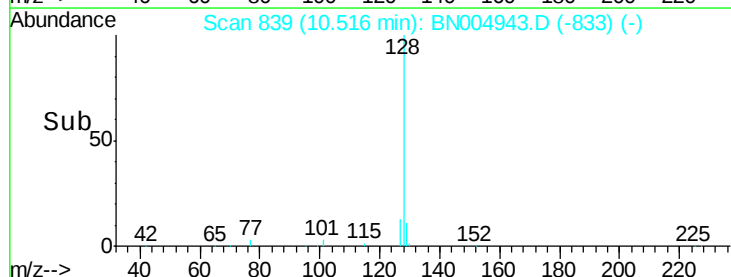


Abundance Ion 128.00 (127.70 to 128.70): BN004817.D (-835) (-)

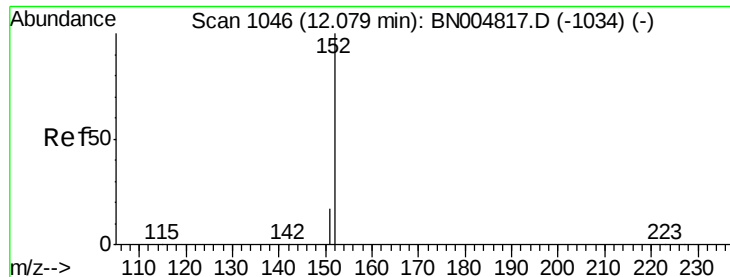
Ion 129.00 (128.70 to 129.70): BN004817.D (-835) (-)

Ion 127.00 (126.70 to 127.70): BN004817.D (-835) (-)

Time-->



Time-->



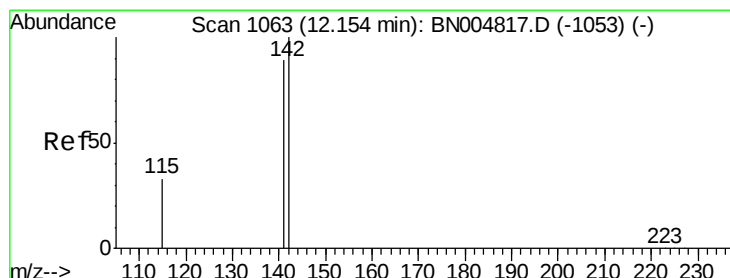
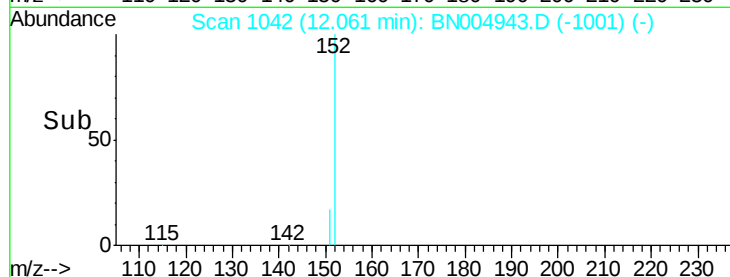
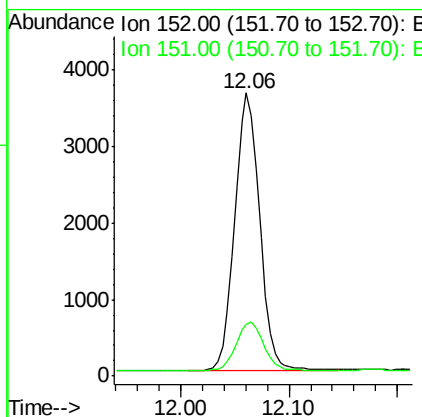
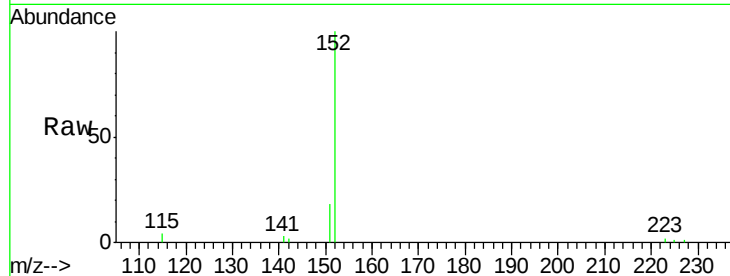
#11
2-Methylnaphthalene-d10
Concen: 0.228 ng
RT: 12.06 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Instrument :
BNA_N
ClientSampleId :
PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

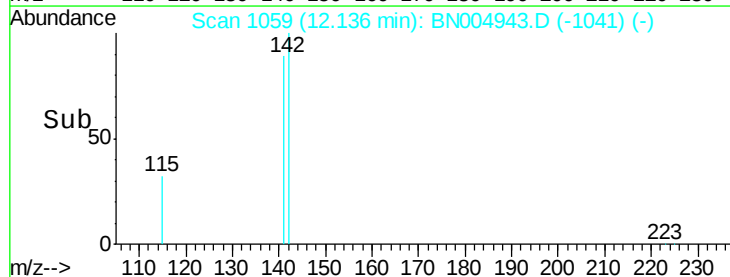
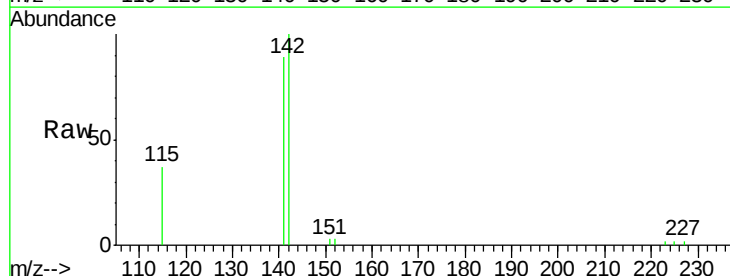
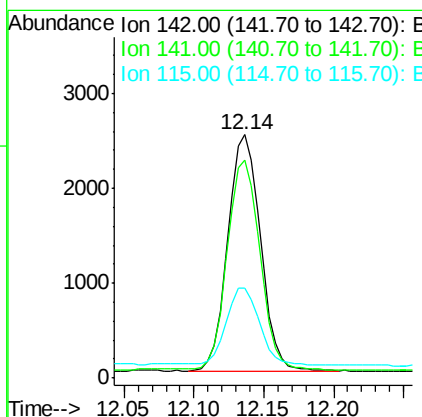
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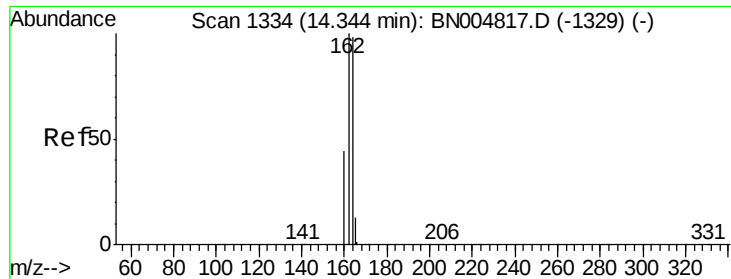
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#12
2-Methylnaphthalene
Concen: 0.132 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.2
115	37.0	27.5	41.3





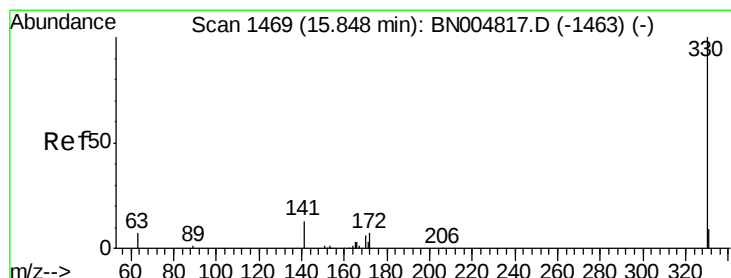
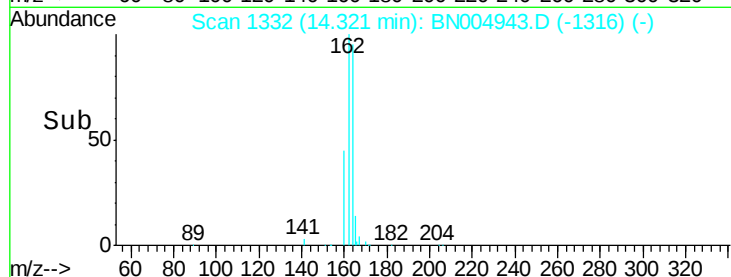
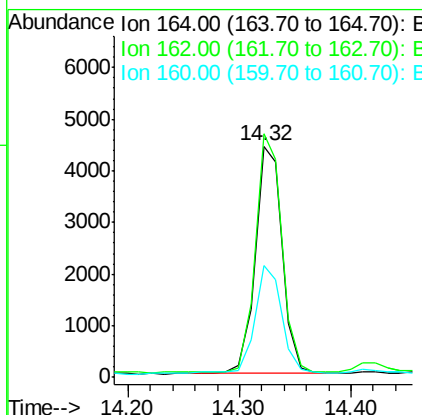
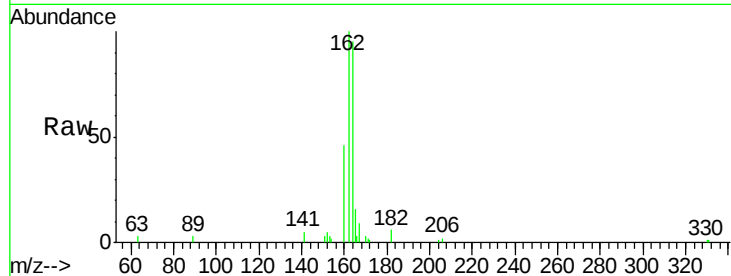
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Instrument :
BNA_N
ClientSampleId :
PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	81.9	122.9
160	48.6	36.6	54.8

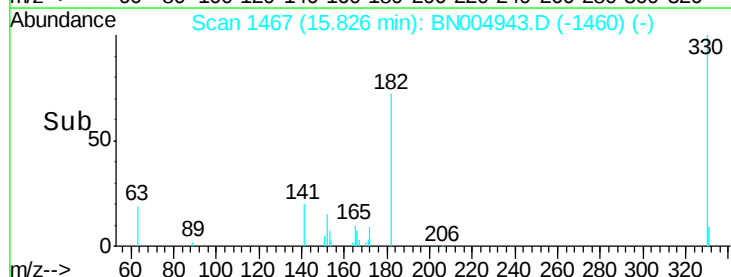
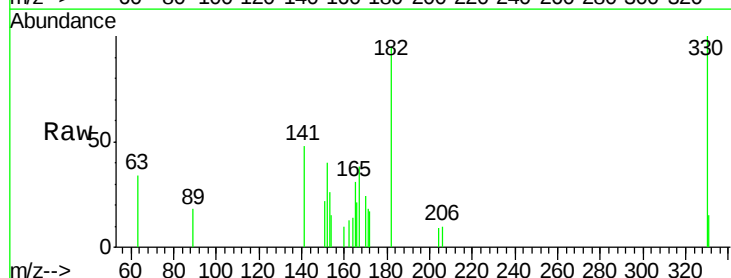
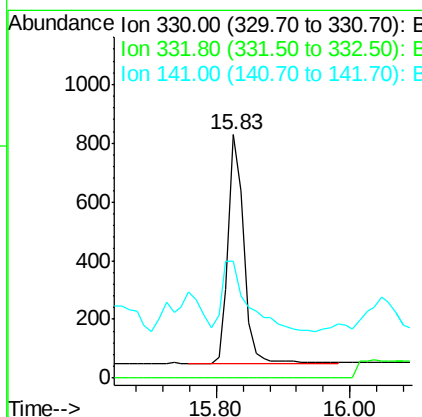
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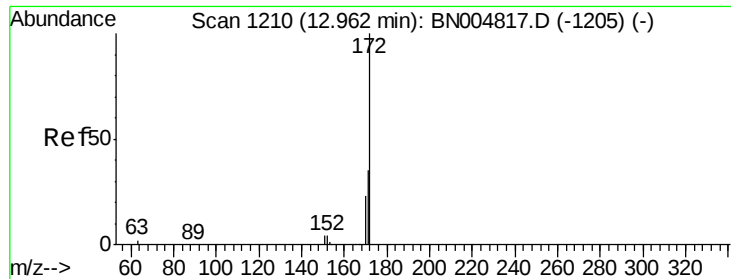
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#14
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	52.2	20.9	31.3#





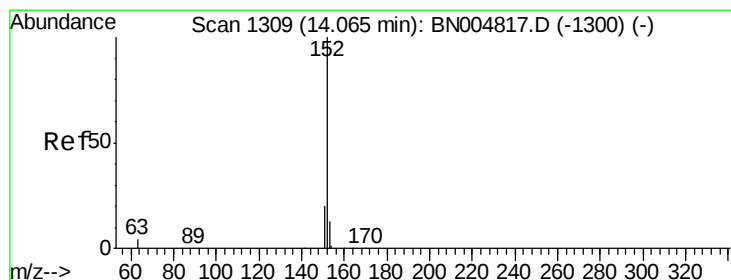
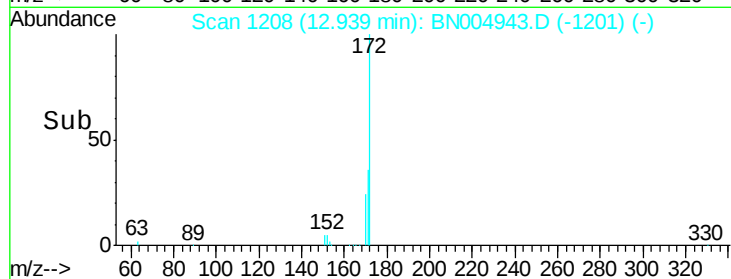
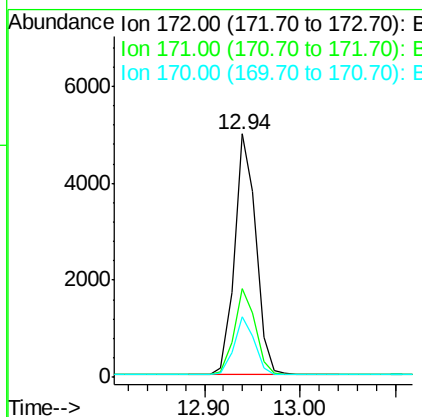
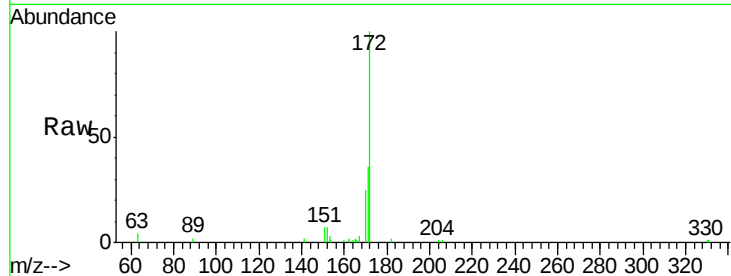
#15
2-Fluorobiphenyl
Concen: 0.252 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Instrument :
BNA_N
ClientSampleId :
PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.7	43.1
170	24.7	18.7	28.1

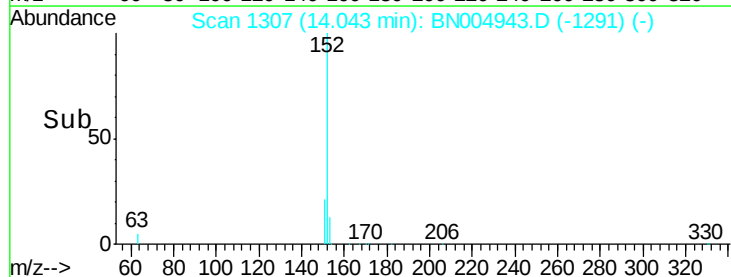
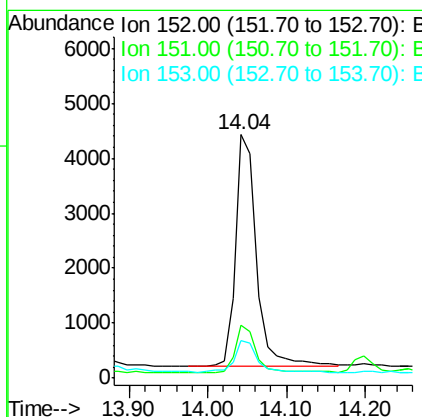
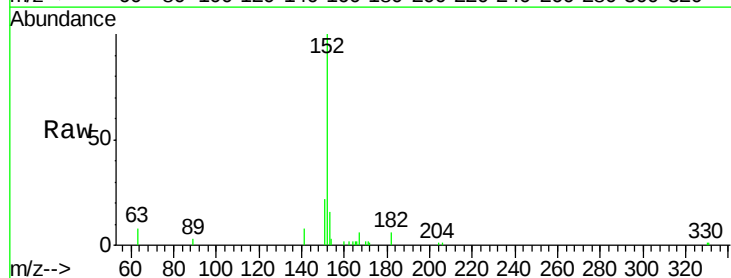
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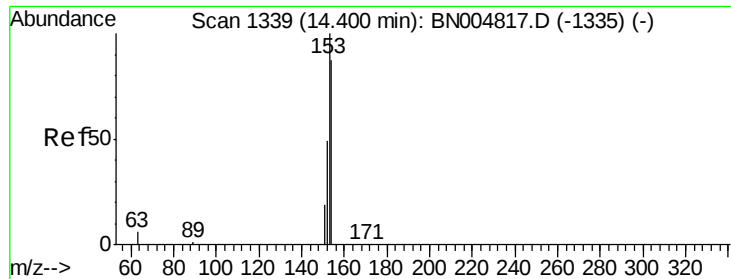
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#16
Acenaphthylene
Concen: 0.206 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.2	10.5	15.7





#17

Acenaphthene

Concen: 0.027 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Instrument :

BNA_N

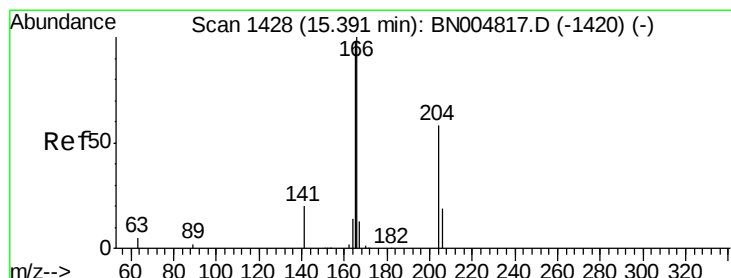
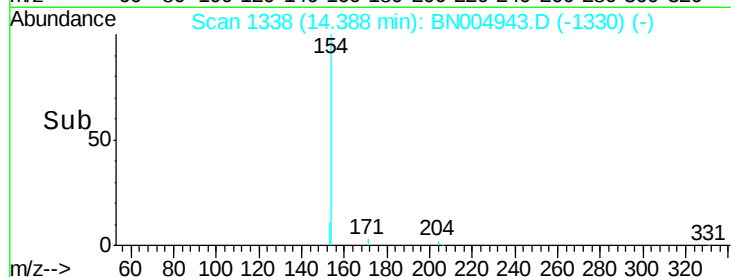
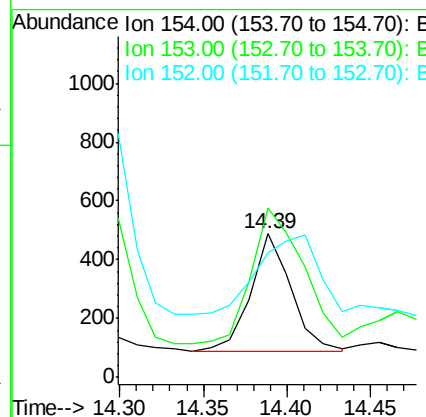
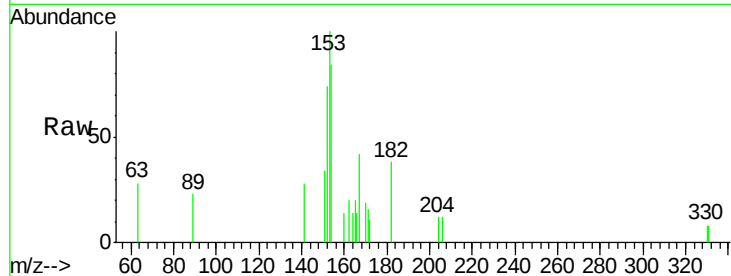
ClientSampleId :

PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
154	100		
153	146.3	91.4	137.2#
152	0.0	44.2	66.2#

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#18

Fluorene

Concen: 0.070 ng

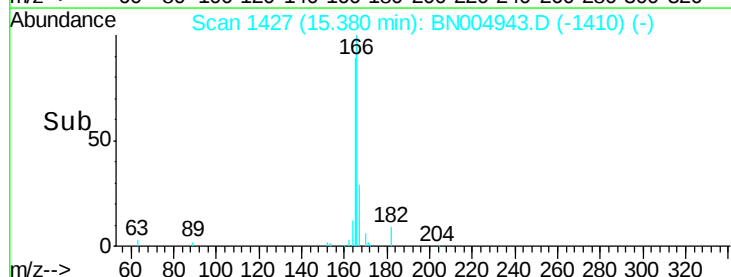
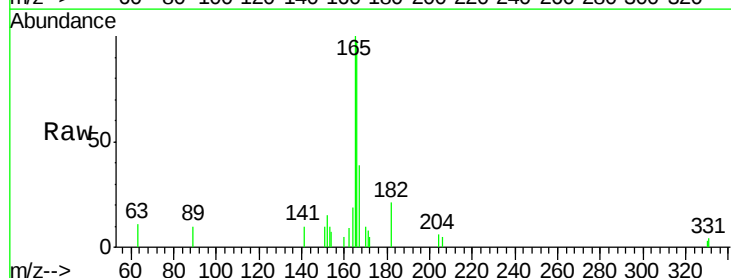
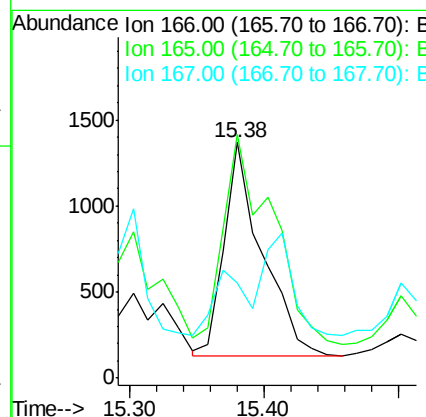
RT: 15.38 min Scan# 1427

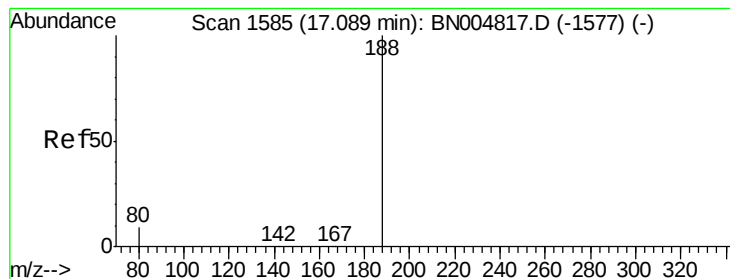
Delta R.T. -0.01 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	125.9	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: BN004943.D

Acq: 24 Mar 2019 17:36

Instrument :

BNA_N

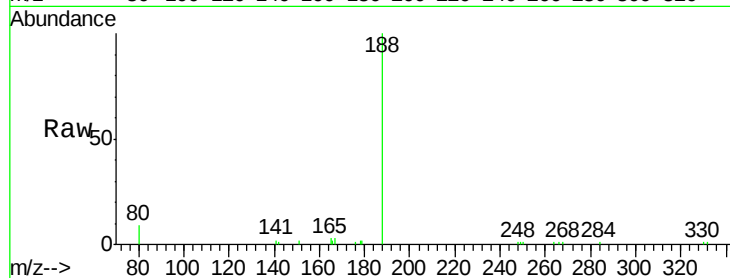
ClientSampleId :

PST-074-B161-031919

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	15104		
94	0.0	0.0	0.0	
80	9.5	7.4	11.2	

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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

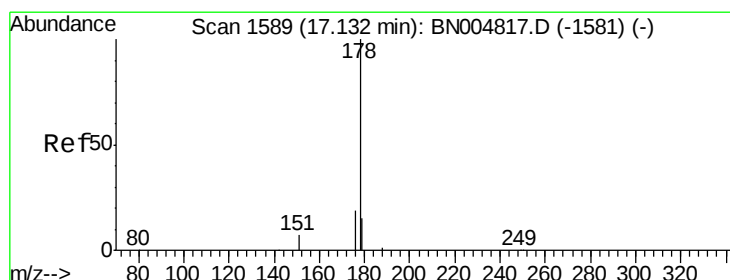
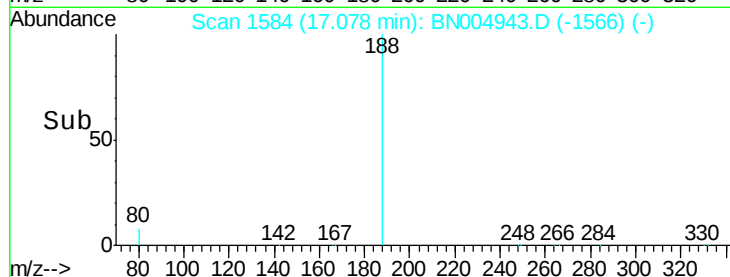
17.08

10000

5000

0

Time--> 16.90 17.00 17.10 17.20



#23

Phenanthrene

Concen: 1.029 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	50164		
176	18.9	14.9	22.3	
179	15.8	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

17.12

40000

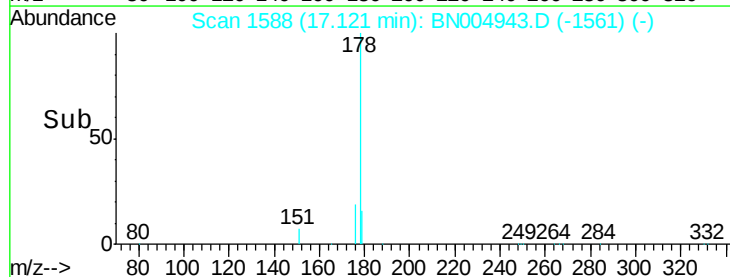
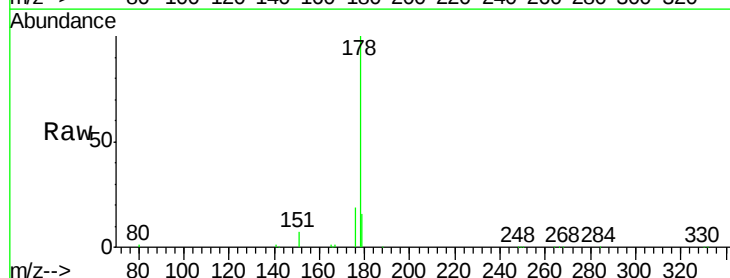
30000

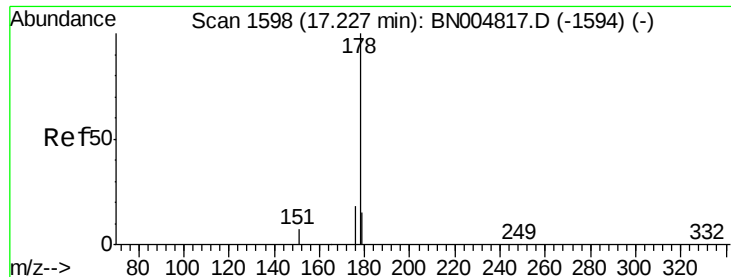
20000

10000

0

Time--> 17.00 17.10 17.20





#24

Anthracene

Concen: 0.222 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Instrument :

BNA_N

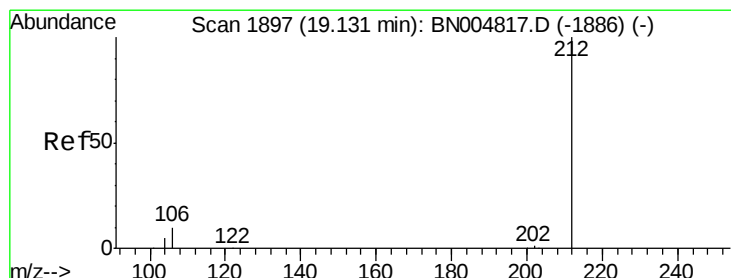
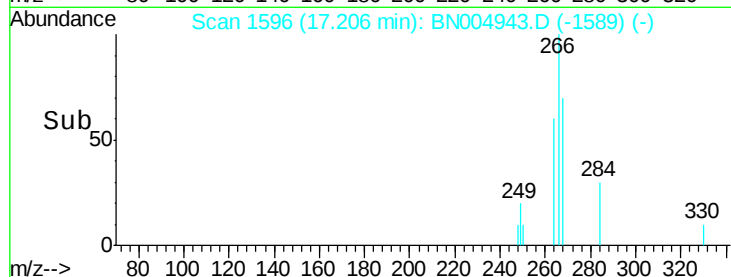
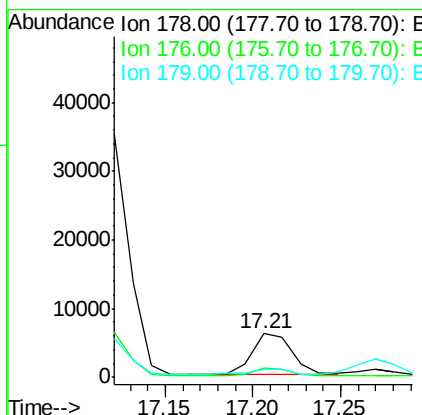
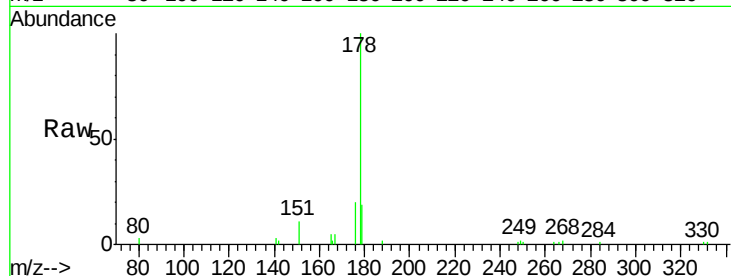
ClientSampleId :

PST-074-B161-031919

Tgt Ion:	178	Resp:	9658
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.5	21.7
179	15.7	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.200 ng

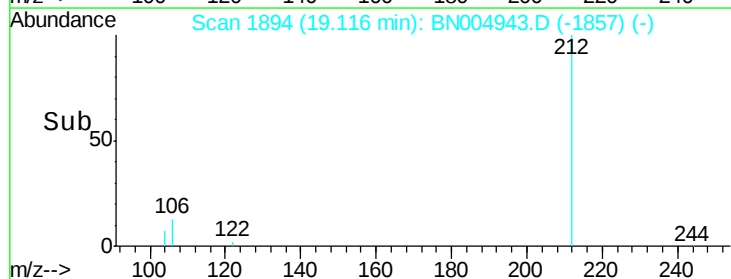
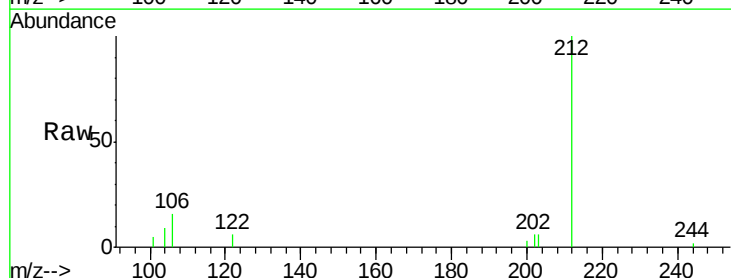
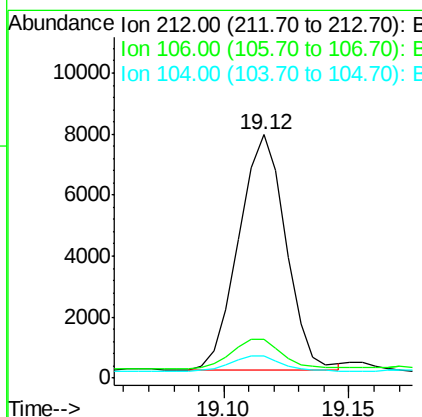
RT: 19.12 min Scan# 1894

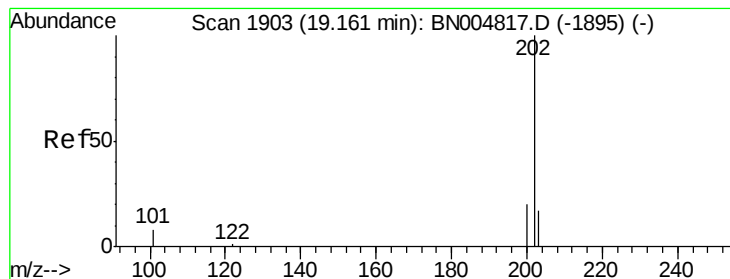
Delta R.T. -0.02 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Tgt Ion:	212	Resp:	10099
Ion Ratio	Lower	Upper	
212	100		
106	13.4	8.6	13.0#
104	7.6	4.7	7.1#





#26

Fluoranthene

Concen: 1.420 ng

RT: 19.15 min Scan# 1900

Delta R.T. -0.02 min

Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Instrument :

BNA_N

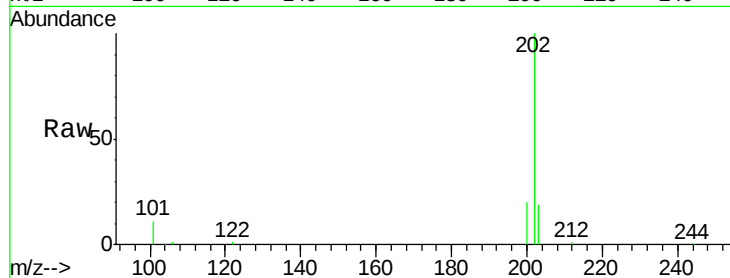
ClientSampleId :

PST-074-B161-031919

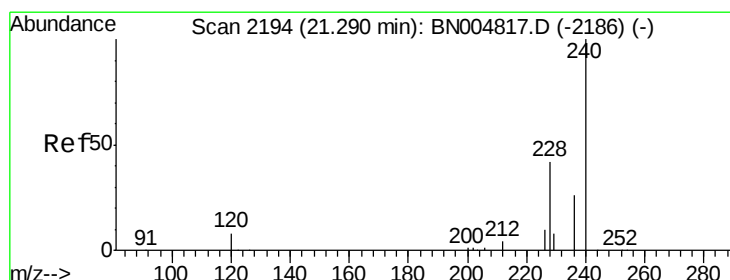
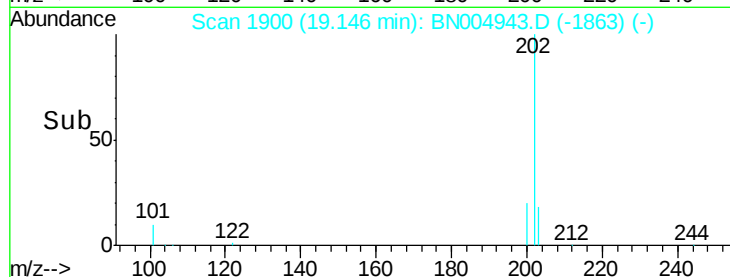
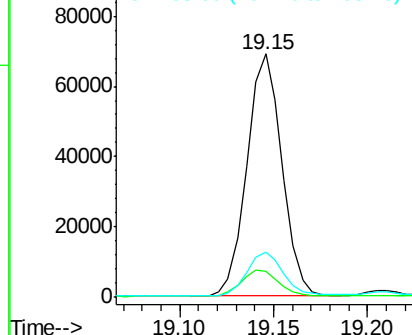
Tgt Ion:	202	Resp:	89015
Ion Ratio	Lower	Upper	
202	100		
101	11.8	7.5	11.3#
203	18.9	13.8	20.6

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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

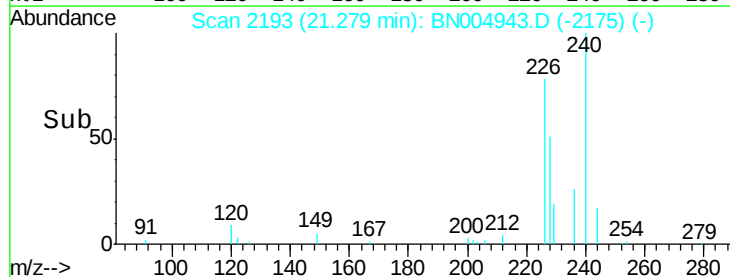
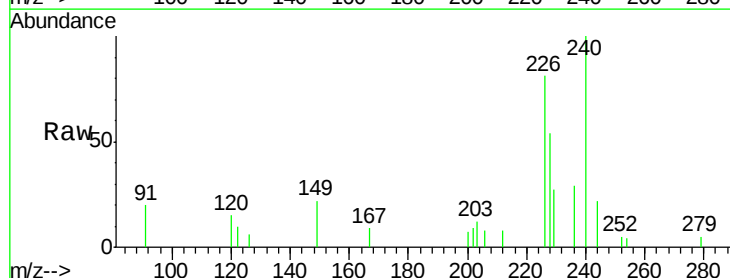
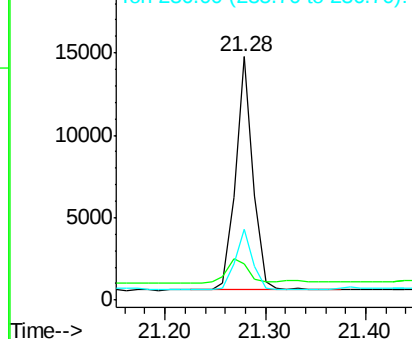
Delta R.T. -0.01 min

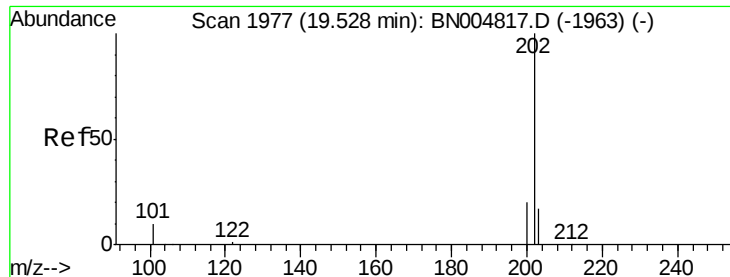
Lab File: BN004943.D

Acq: 24 Mar 2019 17:36

Tgt Ion:	240	Resp:	17058
Ion Ratio	Lower	Upper	
240	100		
120	15.0	7.2	10.8#
236	29.1	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





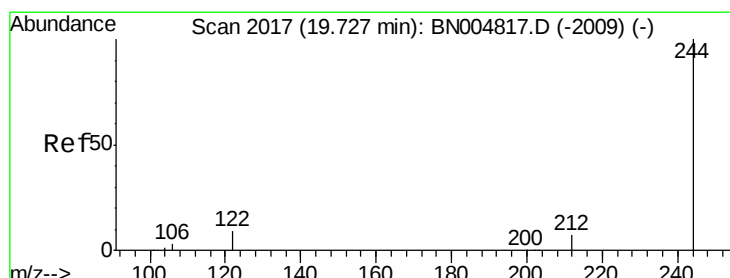
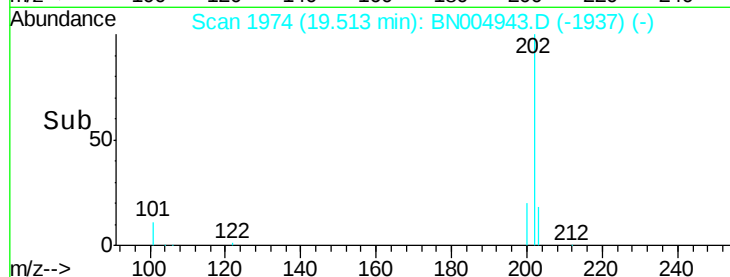
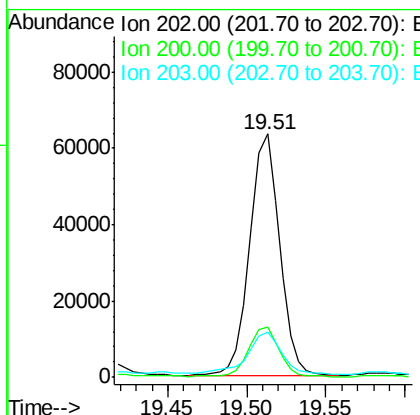
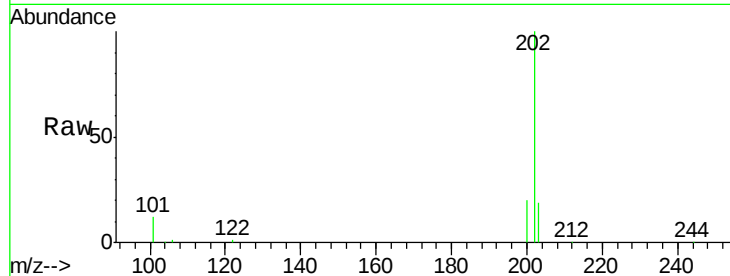
#28
 Pyrene
 Concen: 1.586 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.02 min
 Lab File: BN004943.D
 Acq: 24 Mar 2019 17:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.5	14.0	21.0

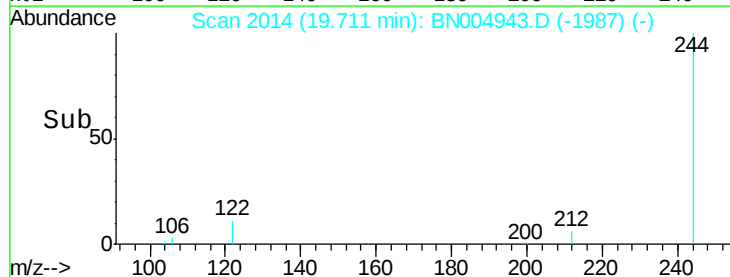
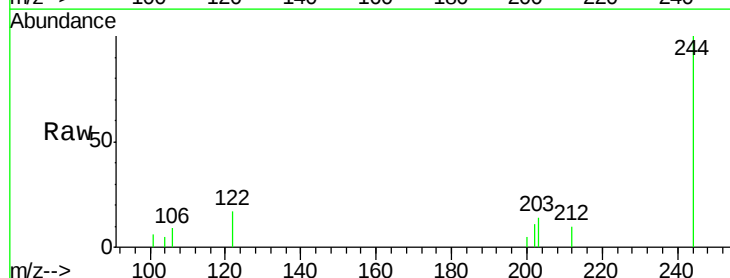
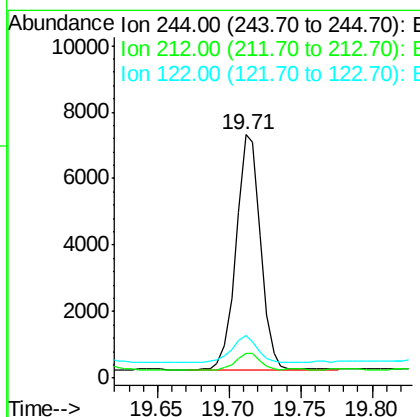
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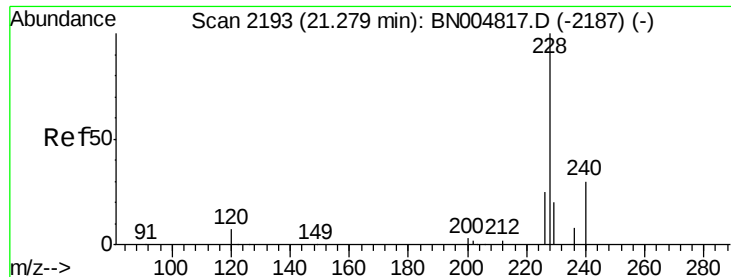
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#29
 Terphenyl-d14
 Concen: 0.243 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004943.D
 Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.1	5.8	8.6#
122	17.4	7.9	11.9#





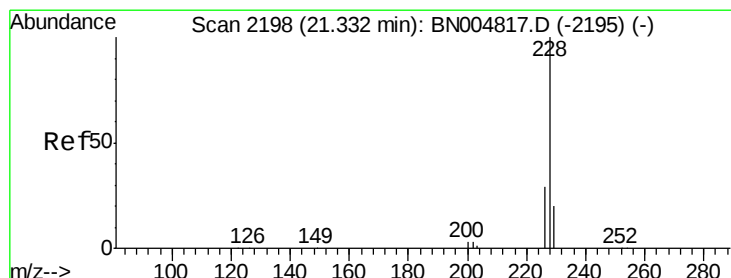
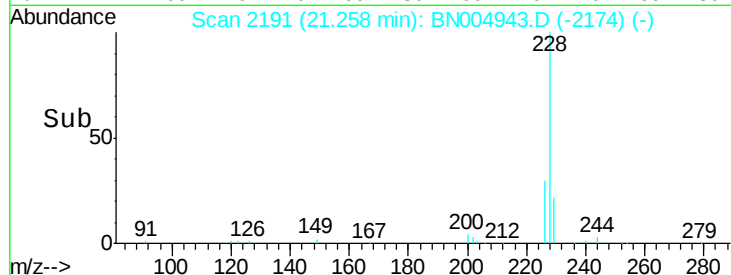
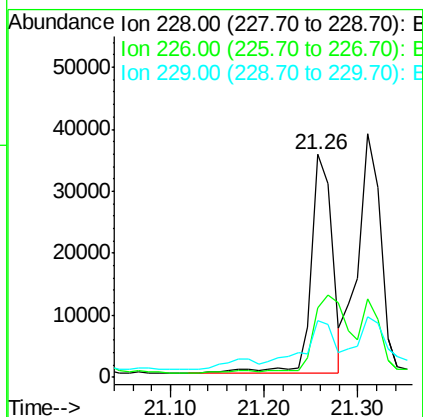
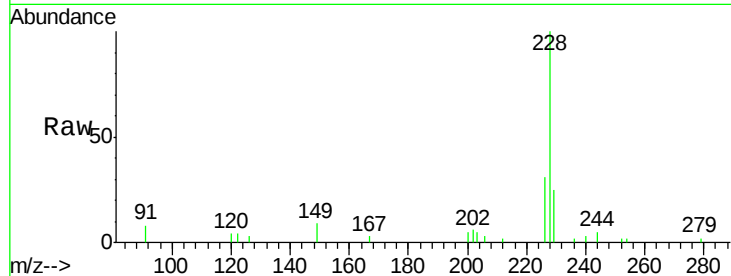
#30
Benzo(a)anthracene
Concen: 0.981 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Instrument :
BNA_N
ClientSampleId :
PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	20.6	31.0#
229	25.2	16.2	24.4#

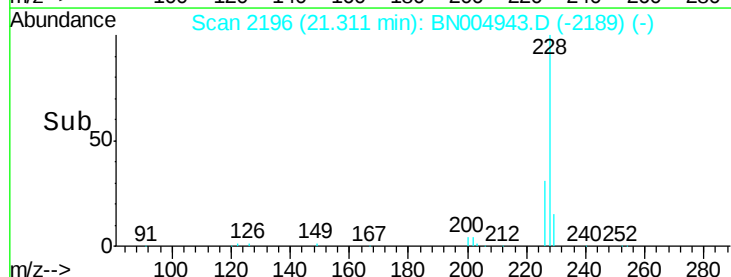
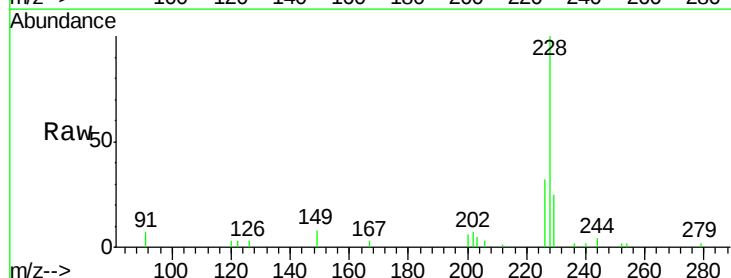
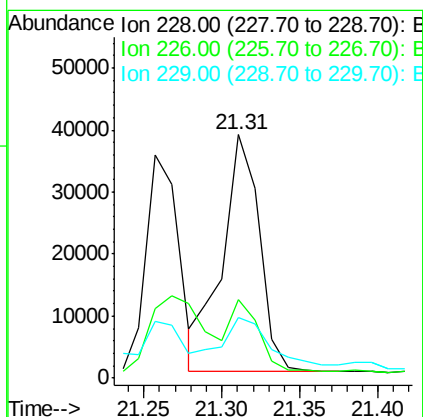
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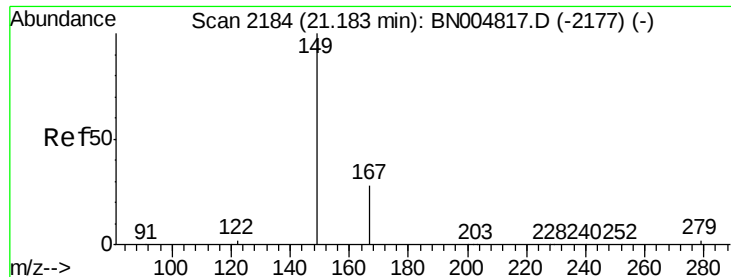
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#31
Chrysene
Concen: 1.076 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.0	34.6
229	24.8	16.2	24.2#





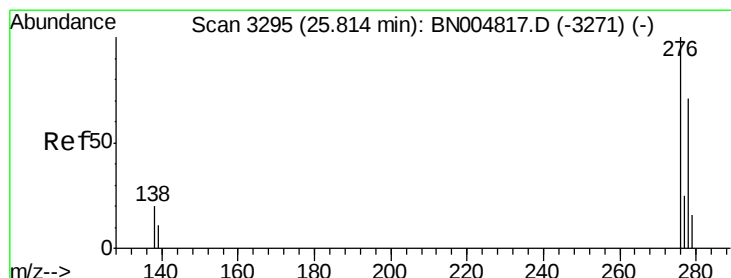
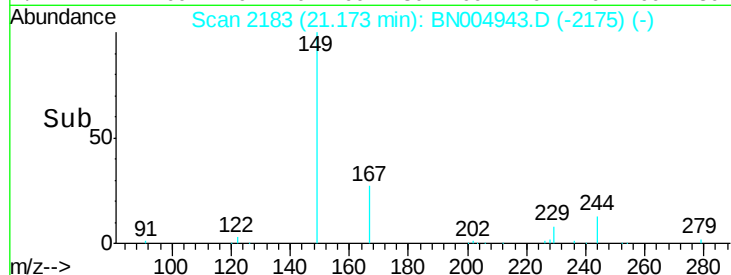
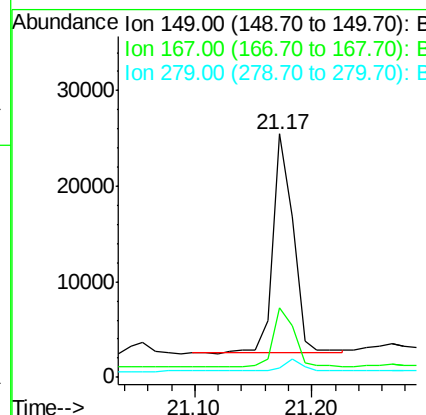
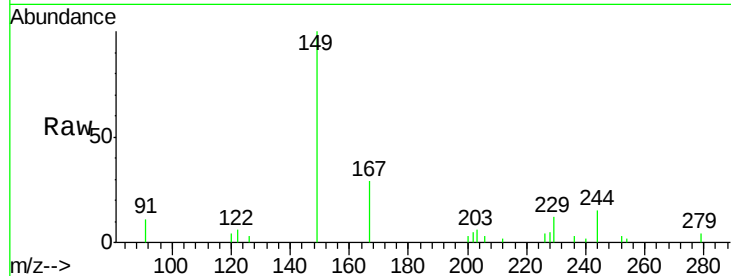
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.249 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004943.D
 Acq: 24 Mar 2019 17:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.0	34.4
279	6.3	4.6	6.8

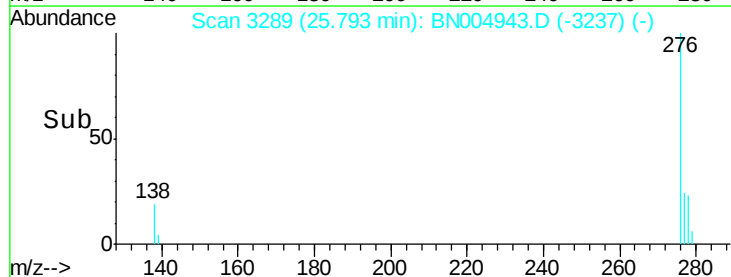
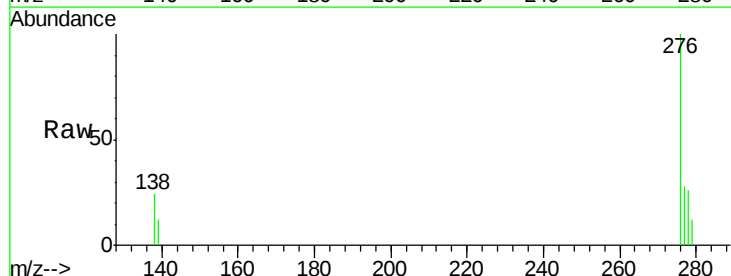
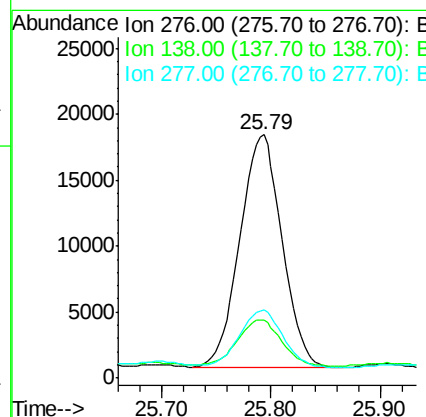
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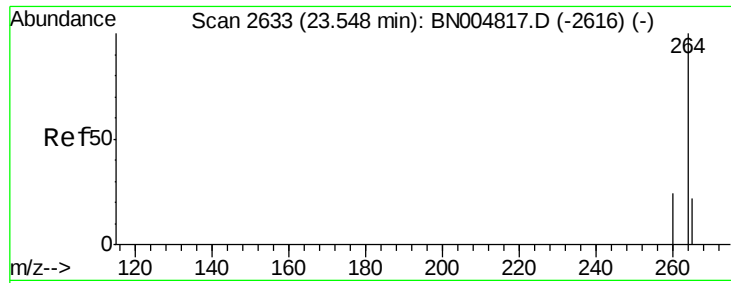
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.558 ng
 RT: 25.79 min Scan# 3289
 Delta R.T. -0.02 min
 Lab File: BN004943.D
 Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.6	24.8
277	25.5	20.3	30.5





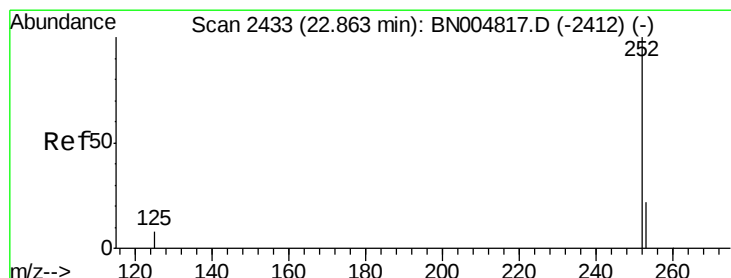
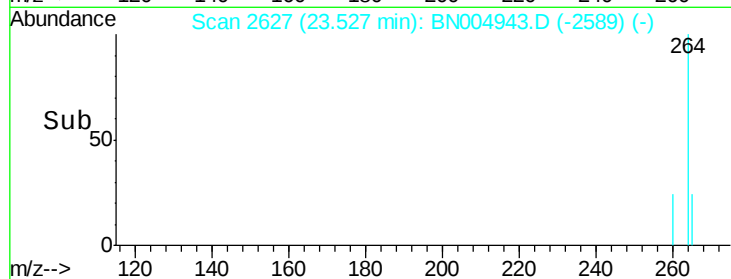
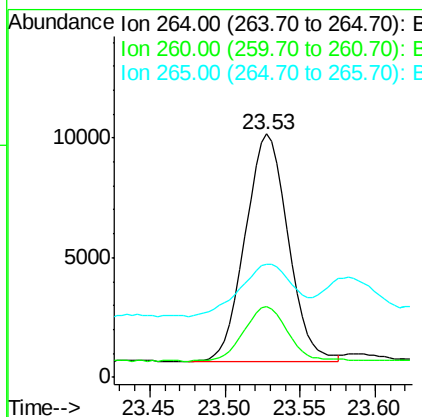
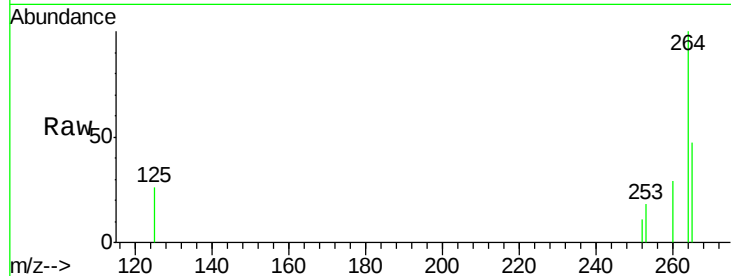
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BN004943.D
 Acq: 24 Mar 2019 17:36

Instrument :
 BNA_N
 ClientSampleId :
 PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.2	19.5	29.3
265	46.7	23.1	34.7

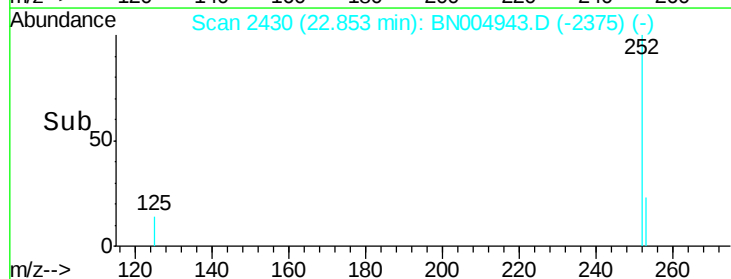
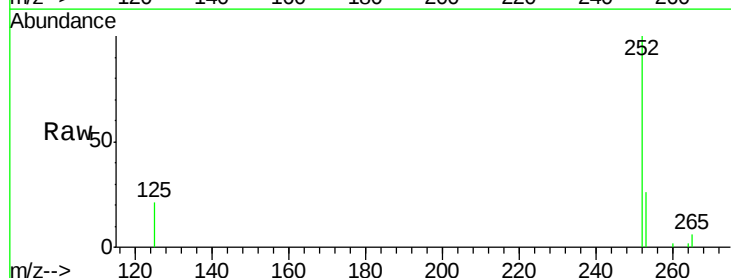
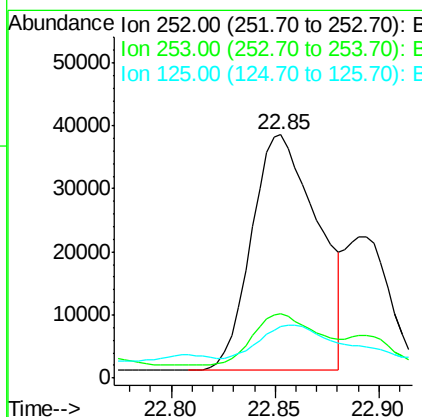
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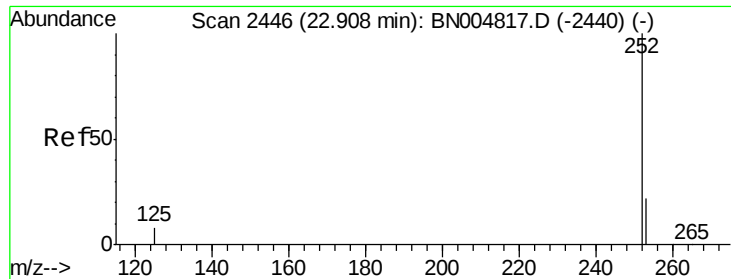
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#35
Benzo(b)fluoranthene
 Concen: 1.231 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004943.D
 Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.0	28.4
125	21.1	7.4	11.2





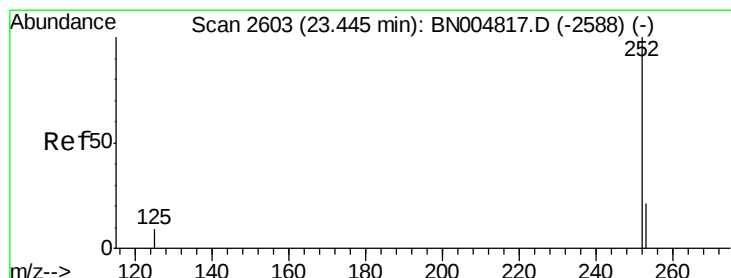
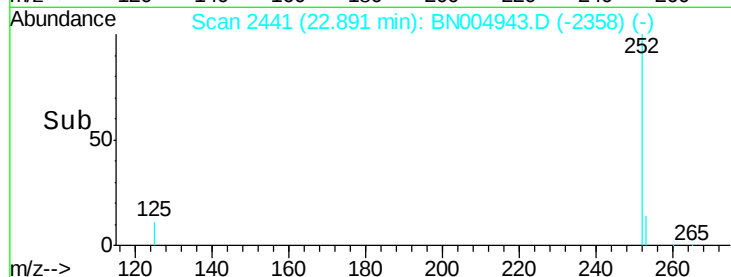
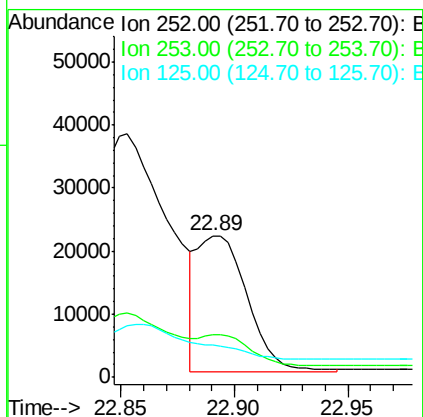
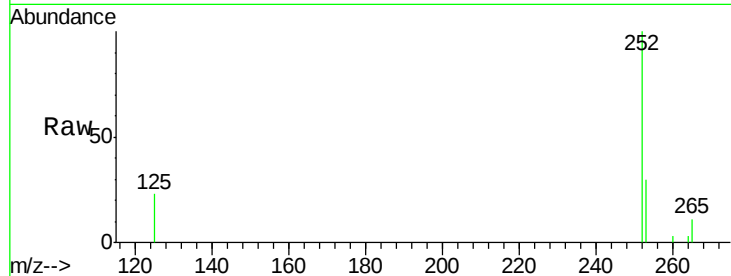
#36
Benzo(k)fluoranthene
Concen: 0.500 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Instrument :
BNA_N
ClientSampleId :
PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	19.3	28.9#
125	22.7	7.4	11.0#

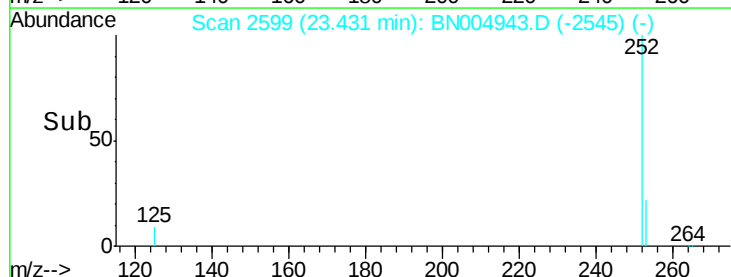
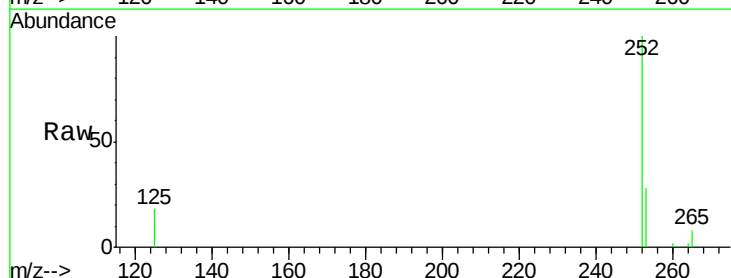
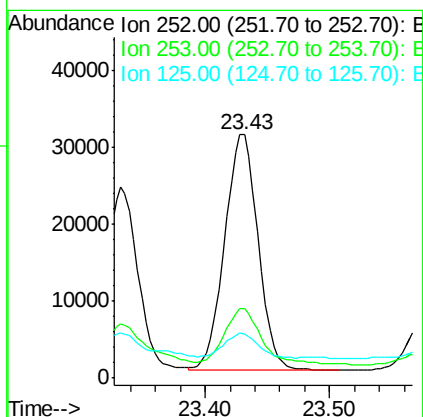
Manual Integrations
APPROVED

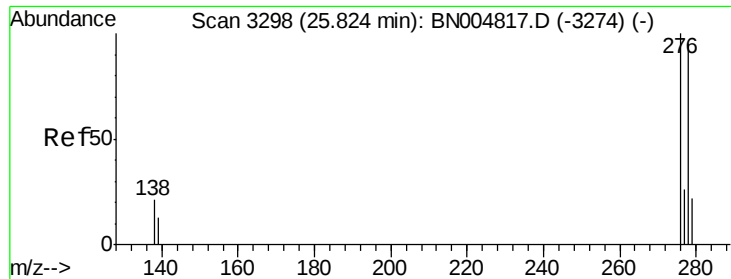
Sohil
3/26/2019 6:33:50 PM



#37
Benzo(a)pyrene
Concen: 0.921 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	19.7	29.5
125	18.2	8.3	12.5#





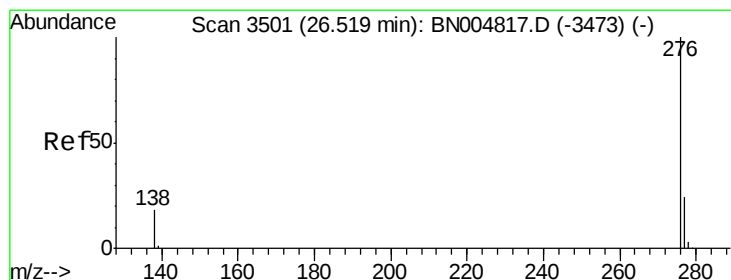
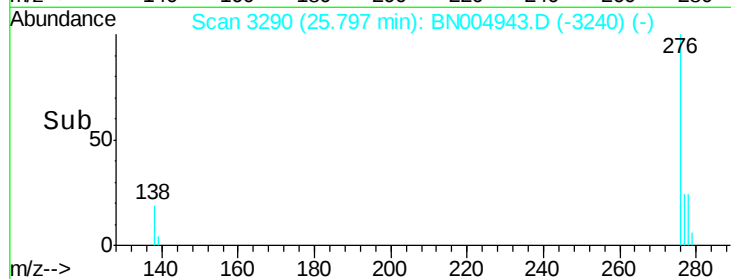
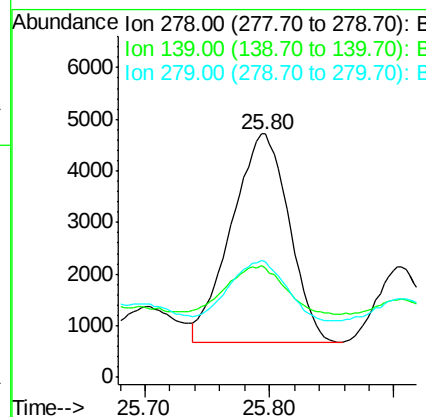
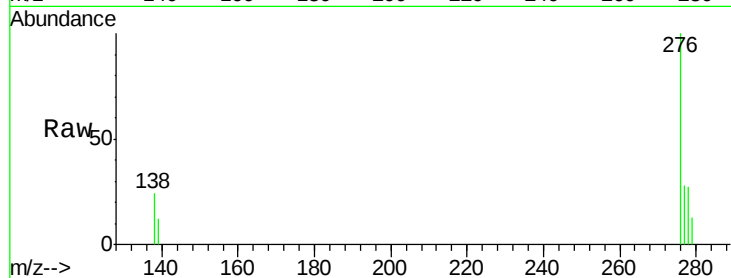
#38
Dibenzo(a,h)anthracene
Concen: 0.181 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.03 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Instrument :
BNA_N
ClientSampleId :
PST-074-B161-031919

Tgt Ion	Ratio	Lower	Upper
278	100		
139	44.9	11.7	17.5#
279	47.4	19.9	29.9#

Manual Integrations
APPROVED

Sohil
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#39
Benzo(g,h,i)perylene
Concen: 0.642 ng
RT: 26.49 min Scan# 3492
Delta R.T. -0.03 min
Lab File: BN004943.D
Acq: 24 Mar 2019 17:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.7	29.5
138	24.2	14.6	22.0#

