

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
 Data File : BN005724.D
 Acq On : 17 May 2019 03:47
 Operator : JU/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.479

Quant Time: May 17 06:02:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 17 04:47:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4	0.40	ng/ul	0.01
2) Naphthalene-d8	10.36	136	1	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	1	0.40	ng/ul	0.01
10) Phenanthrene-d10	16.99	188	23	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	40	0.40	ng/ul	0.01
20) Perylene-d12	23.44	264	8	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.97	152	3	1.92	ng/ul	0.01
14) Fluoranthene-d10	19.04	212	6	0.08	ng/ul	0.01

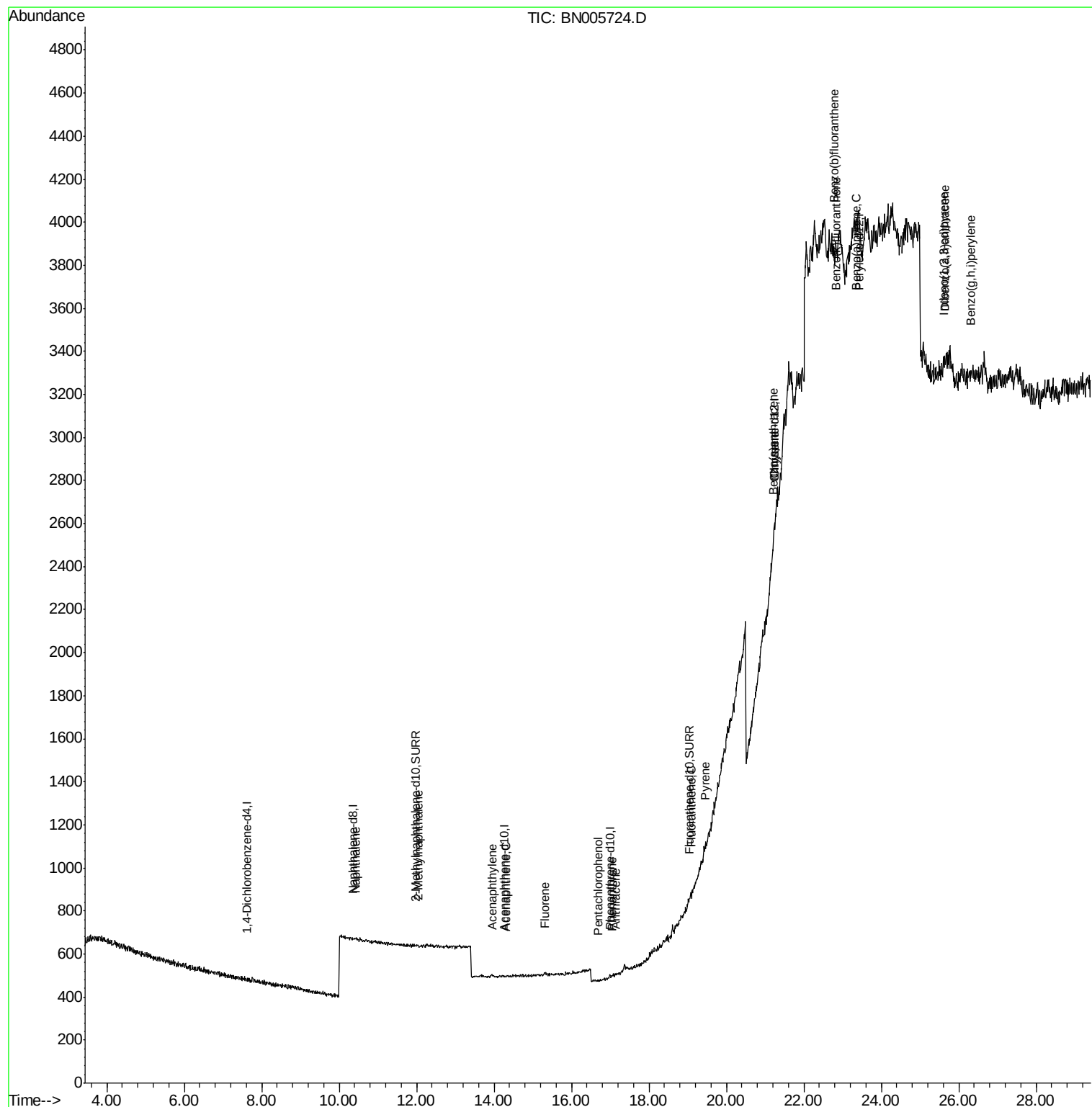
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	7	2.645	ng/ul#	1
5) 2-Methylnaphthalene	12.03	142	4	2.214	ng/ul	90
7) Acenaphthylene	13.97	152	2	0.397	ng/ul#	1
8) Acenaphthene	14.30	153	1	0.281	ng/ul#	71
9) Fluorene	15.31	166	1	0.240	ng/ul#	61
11) Pentachlorophenol	16.68	266	3	0.503	ng/ul#	40
12) Phenanthrene	17.04	178	6	0.096	ng/ul#	1
13) Anthracene	17.14	178	6	0.096	ng/ul#	1
15) Fluoranthene	19.08	202	32	0.369	ng/ul#	1
17) Pyrene	19.44	202	33	0.223	ng/ul#	19
18) Benzo(a)anthracene	21.21	228	20	0.145	ng/ul#	1
19) Chrysene	21.22	228	11	0.065	ng/ul#	1
21) Benzo(b)fluoranthene	22.79	252	8	0.333	ng/ul#	1
22) Benzo(k)fluoranthene	22.82	252	16	0.531	ng/ul#	1
23) Benzo(a)pyrene	23.35	252	21	0.781	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.63	276	5	0.166	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.64	278	9	0.362	ng/ul#	1
26) Benzo(g,h,i)perylene	26.31	276	24	0.936	ng/ul#	1

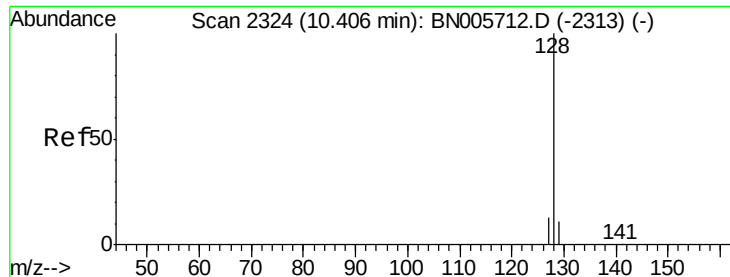
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.645 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.479

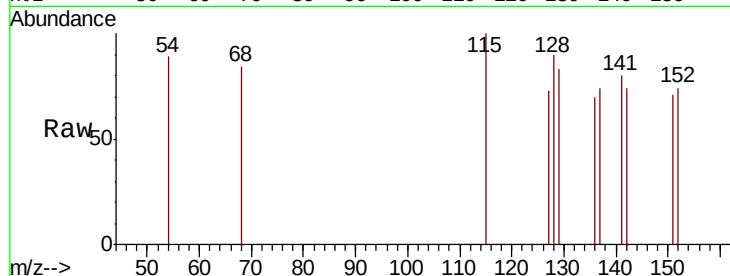
Tgt Ion:128 Resp: 7

Ion Ratio Lower Upper

128 100

129 92.1 10.2 15.2#

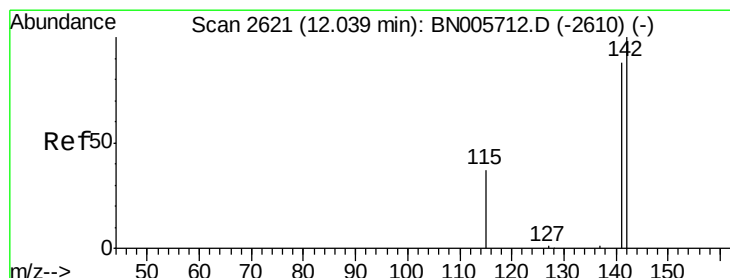
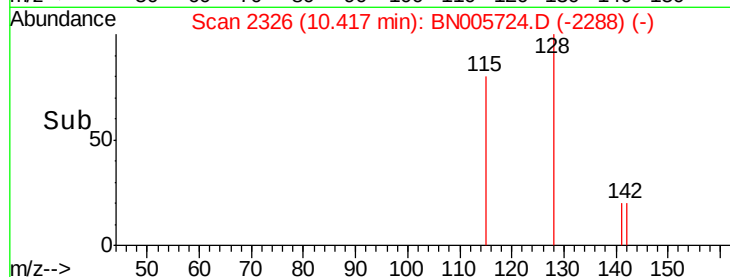
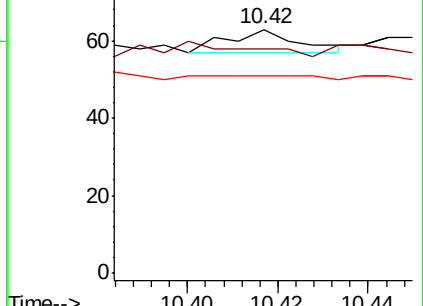
127 81.0 11.8 17.8#



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



#5

2-Methylnaphthalene

Concen: 2.214 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BN005724.D

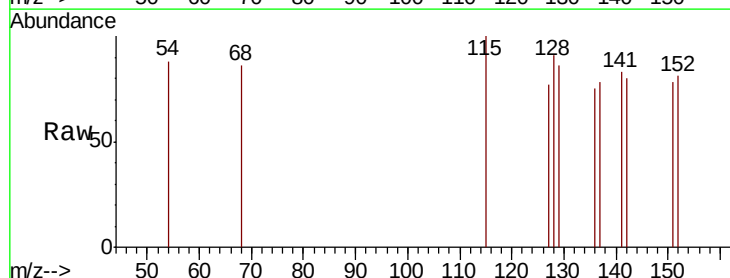
Acq: 17 May 2019 03:47

Tgt Ion:142 Resp: 4

Ion Ratio Lower Upper

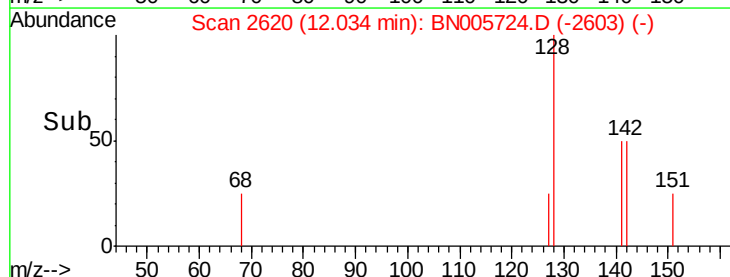
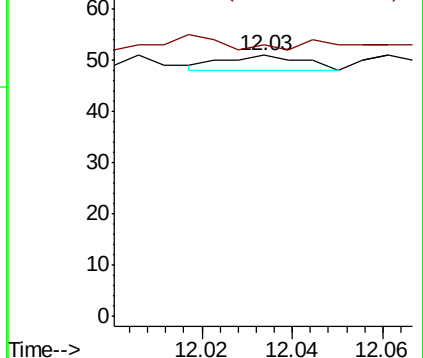
142 100

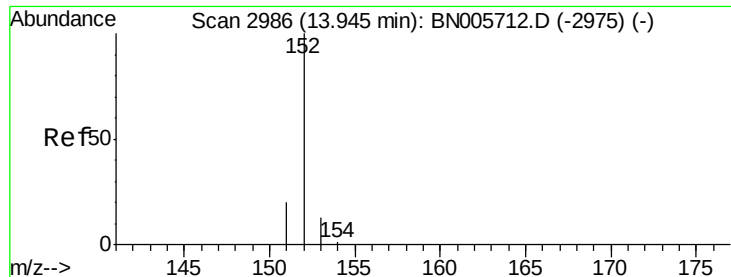
141 100.0 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.397 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. 0.02 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

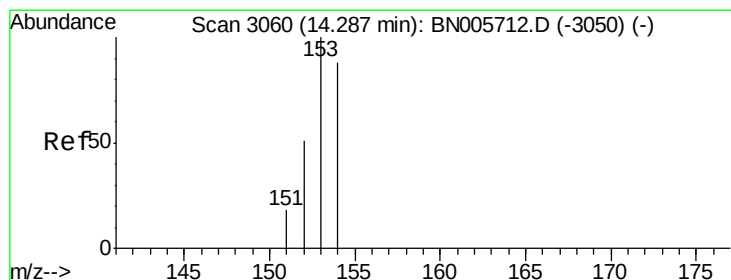
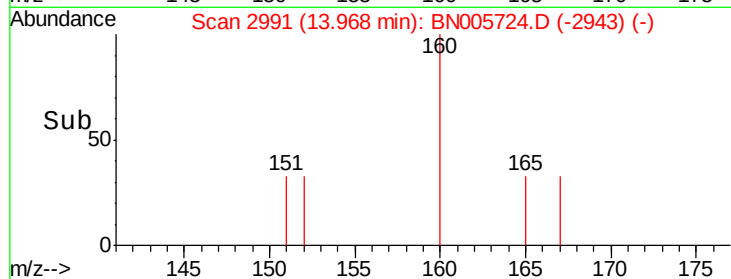
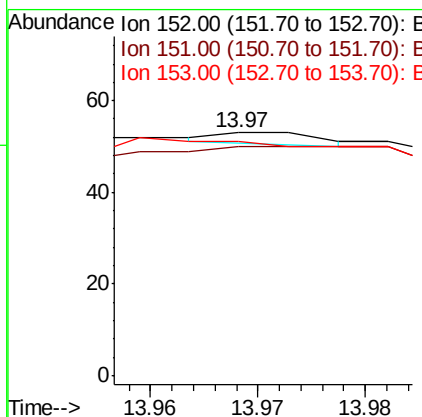
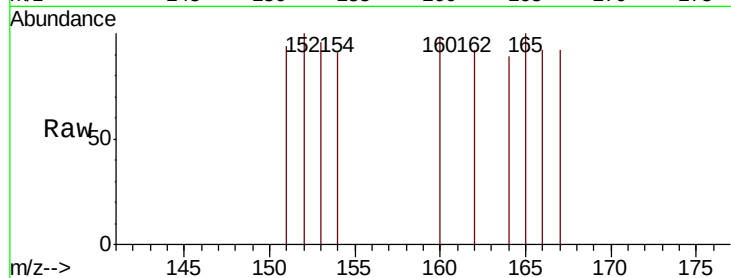
Instrument :

BNA_N

ClientSampleId :

SSTD0.479

Tgt Ion:	152	Resp:	2
Ion	Ratio	Lower	Upper
152	100		
151	94.3	16.7	25.1#
153	96.2	11.6	17.4#



#8

Acenaphthene

Concen: 0.281 ng/ul

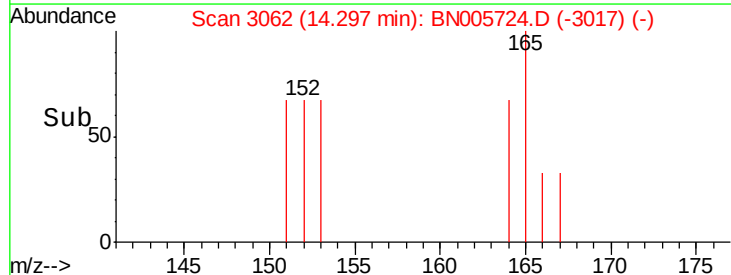
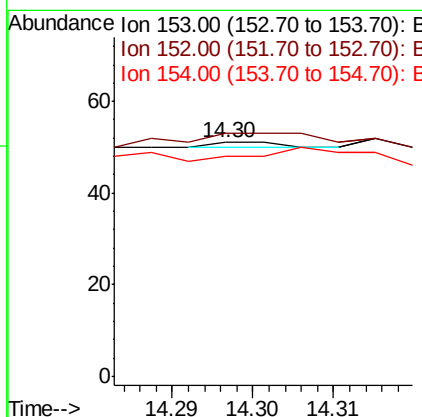
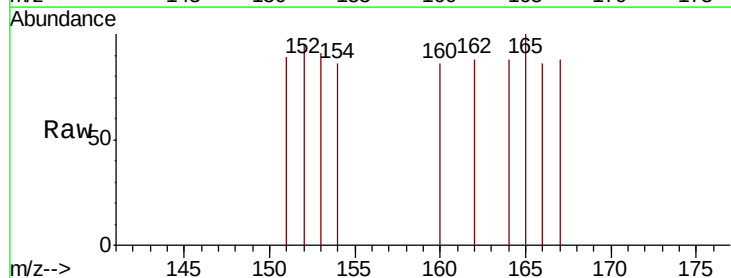
RT: 14.30 min Scan# 3062

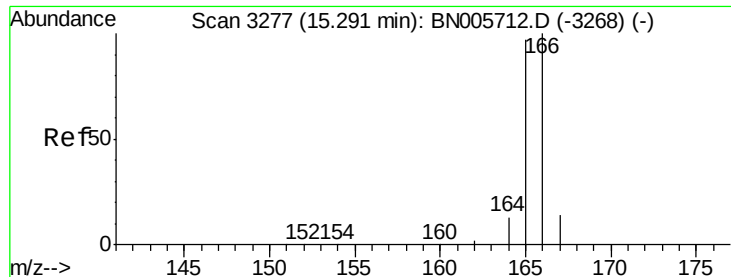
Delta R.T. 0.01 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

Tgt Ion:	153	Resp:	1
Ion	Ratio	Lower	Upper
153	100		
152	103.9	40.8	61.2#
154	94.1	73.2	109.8





#9

Fluorene

Concen: 0.240 ng/ul

RT: 15.31 min Scan# 3281

Delta R.T. 0.02 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

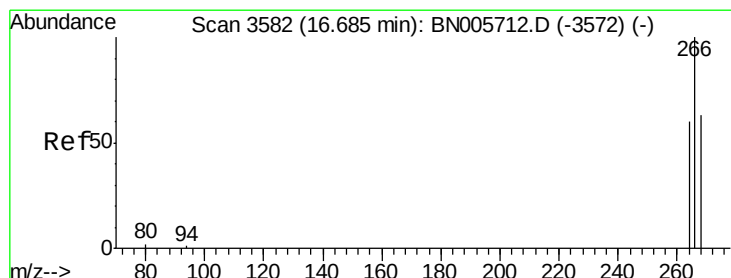
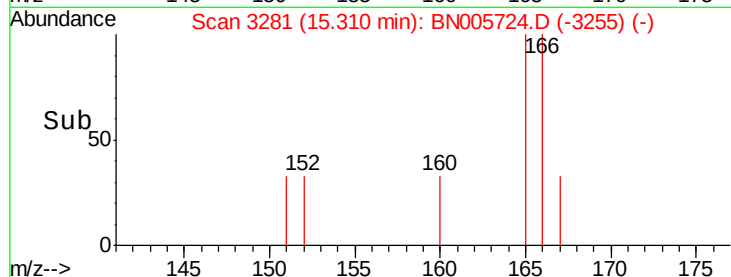
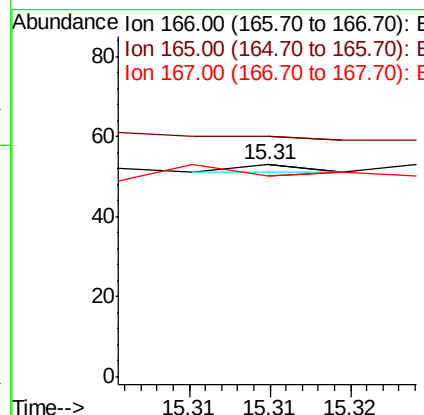
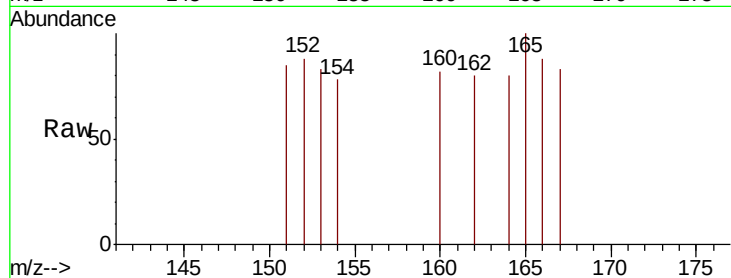
Instrument :

BNA_N

ClientSampleId :

SSTD0.479

Tgt Ion:	166	Resp:	1
Ion	Ratio	Lower	Upper
166	100		
165	113.2	78.0	117.0
167	94.3	12.2	18.4#



#11

Pentachlorophenol

Concen: 0.503 ng/ul

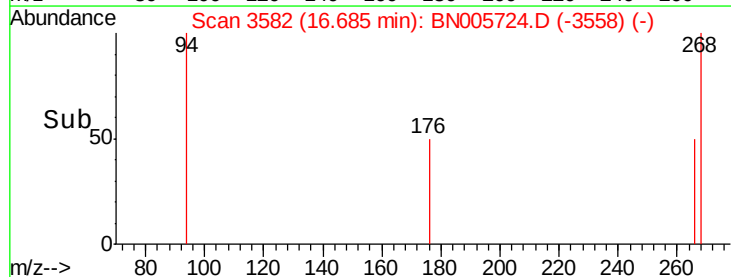
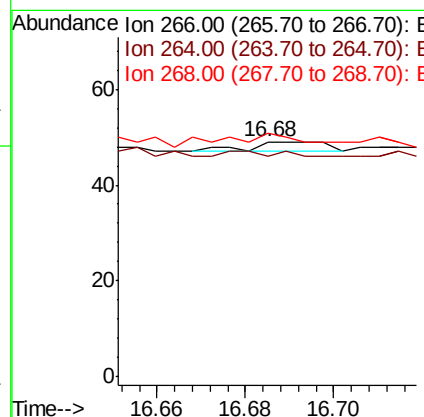
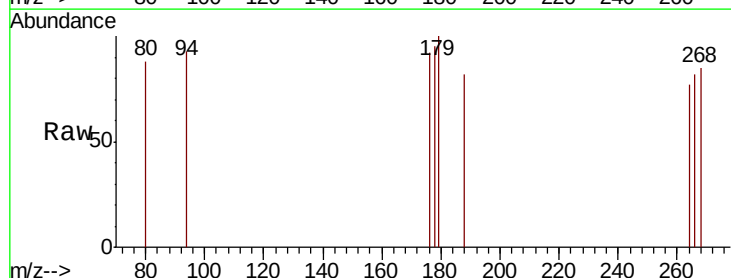
RT: 16.68 min Scan# 3582

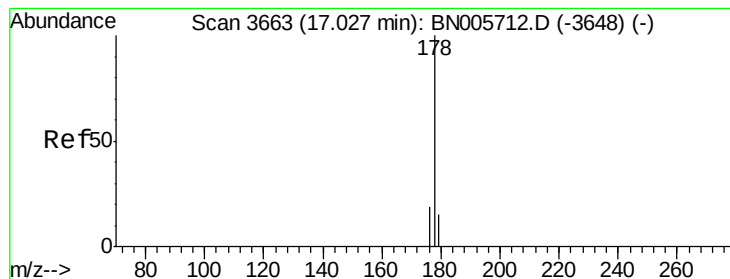
Delta R.T. -0.00 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

Tgt Ion:	266	Resp:	3
Ion	Ratio	Lower	Upper
266	100		
264	33.3	55.3	82.9#
268	133.3	56.7	85.1#





#12

Phenanthrene

Concen: 0.096 ng/ul

RT: 17.04 min Scan# 3667

Delta R.T. 0.02 min

Lab File: BN005724.D

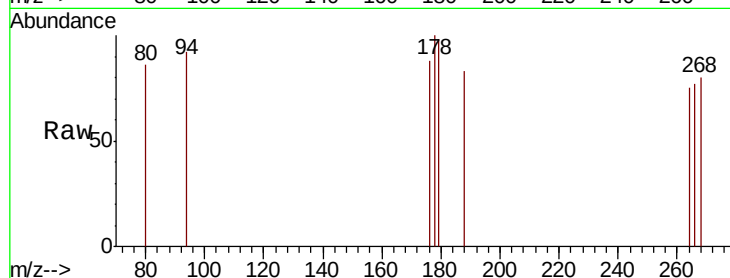
Acq: 17 May 2019 03:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.479



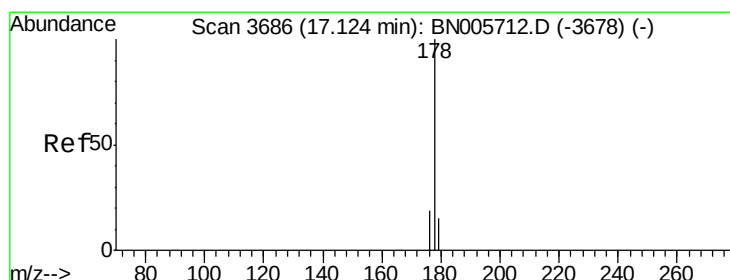
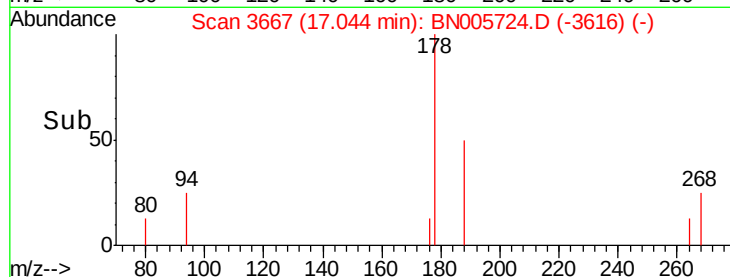
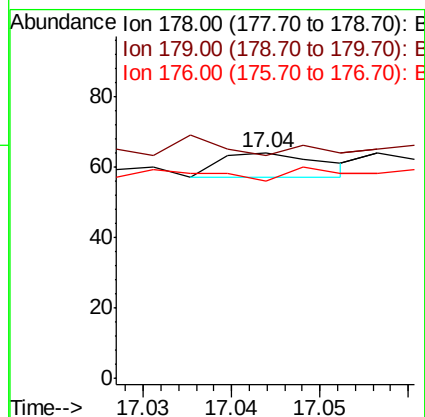
Tgt Ion:178 Resp: 6

Ion Ratio Lower Upper

178 100

179 98.4 12.8 19.2#

176 87.5 15.3 22.9#



#13

Anthracene

Concen: 0.096 ng/ul

RT: 17.14 min Scan# 3690

Delta R.T. 0.02 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

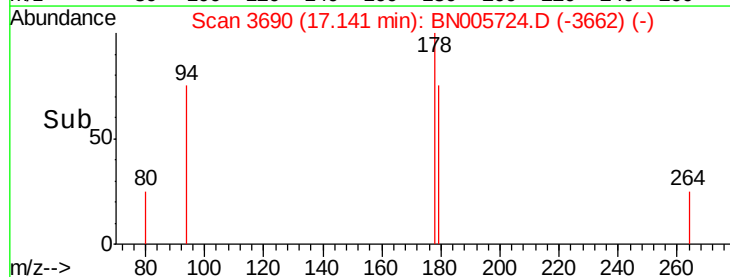
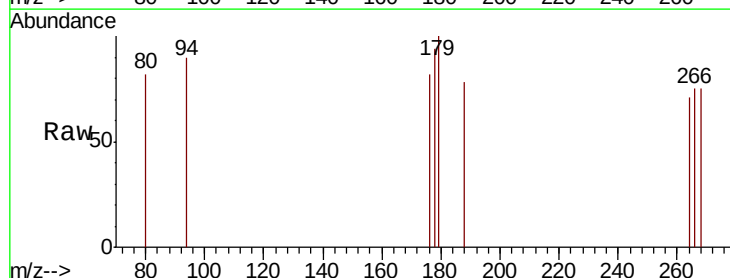
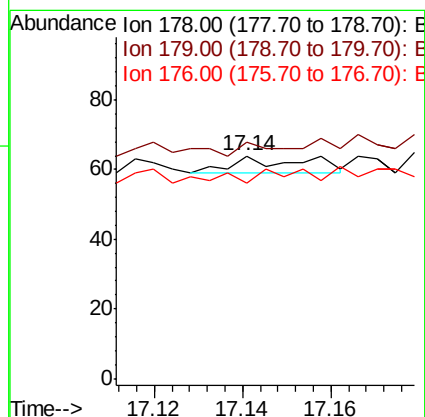
Tgt Ion:178 Resp: 6

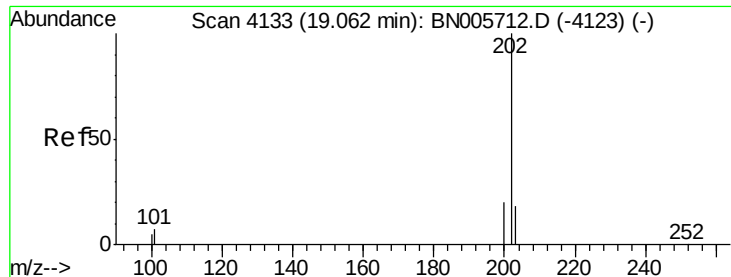
Ion Ratio Lower Upper

178 100

179 106.3 13.4 20.2#

176 87.5 15.1 22.7#





#15

Fluoranthene

Concen: 0.369 ng/ul

RT: 19.08 min Scan# 4136

Delta R.T. 0.01 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.479

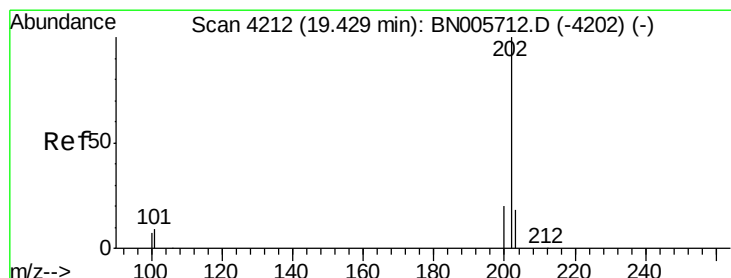
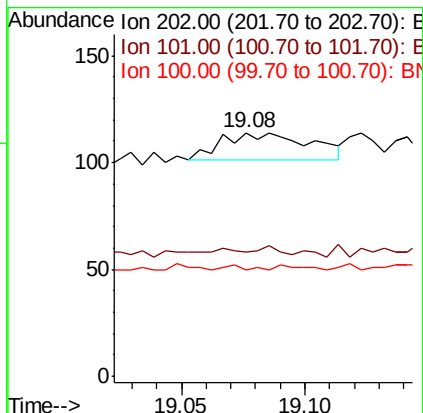
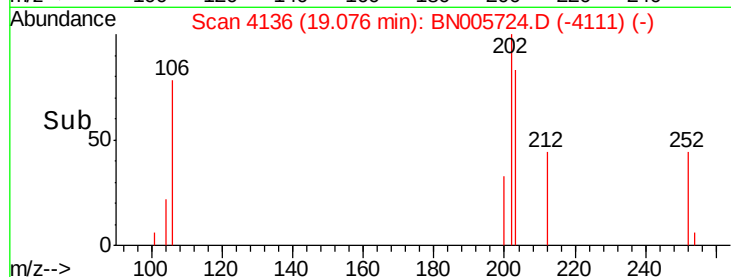
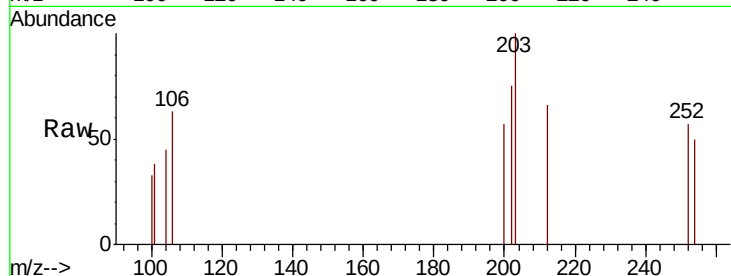
Tgt Ion:202 Resp: 32

Ion Ratio Lower Upper

202 100

101 50.9 0.0 29.4#

100 43.9 0.0 27.1#



#17

Pyrene

Concen: 0.223 ng/ul

RT: 19.44 min Scan# 4214

Delta R.T. 0.01 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

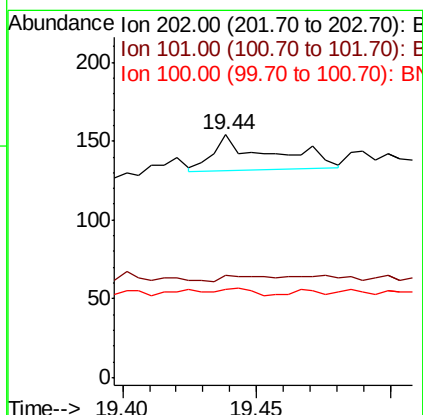
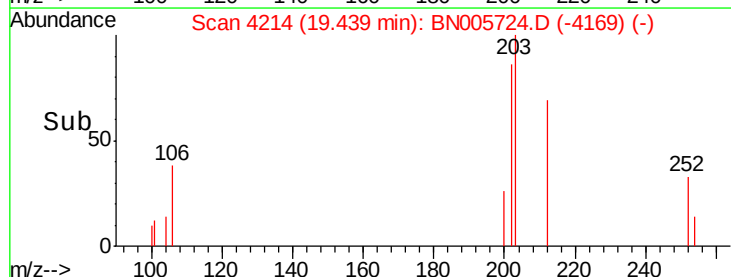
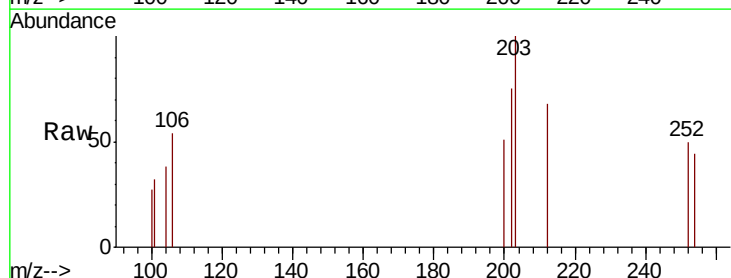
Tgt Ion:202 Resp: 33

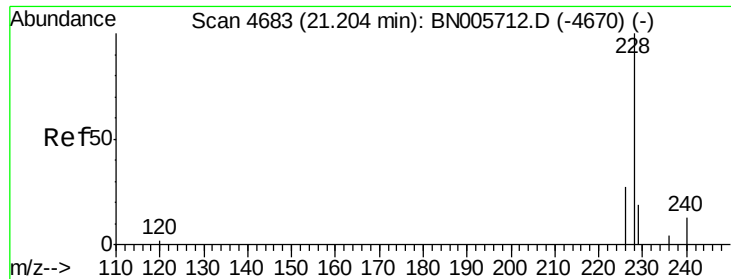
Ion Ratio Lower Upper

202 100

101 42.2 8.5 12.7#

100 36.4 6.9 10.3#





#18

Benzo(a)anthracene

Concen: 0.145 ng/ul

RT: 21.21 min Scan# 4684

Delta R.T. 0.00 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.479

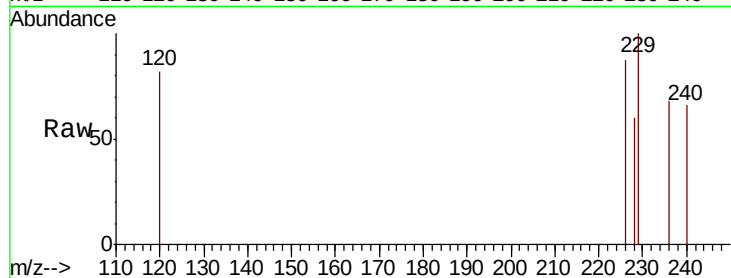
Tgt Ion:228 Resp: 20

Ion Ratio Lower Upper

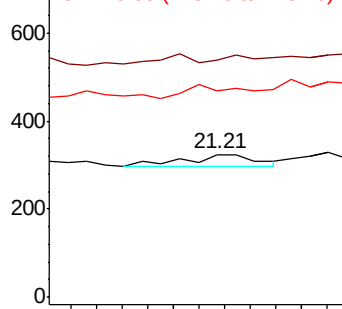
228 100

229 166.0 15.8 23.8#

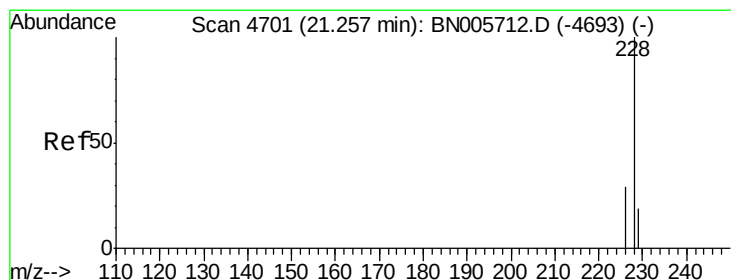
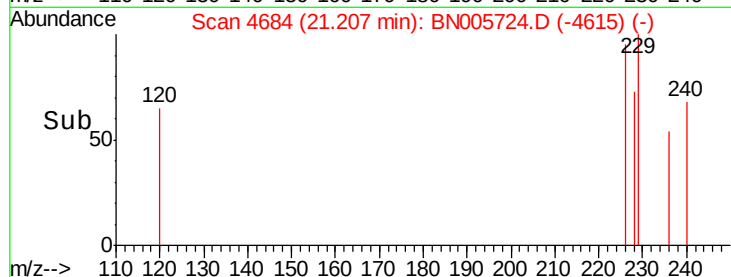
226 144.4 21.7 32.5#



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



Time-->



#19

Chrysene

Concen: 0.065 ng/ul

RT: 21.22 min Scan# 4690

Delta R.T. -0.03 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

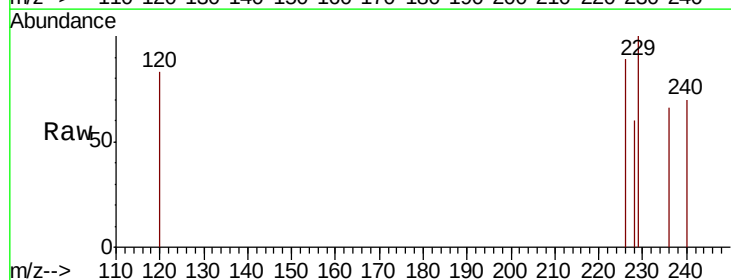
Tgt Ion:228 Resp: 11

Ion Ratio Lower Upper

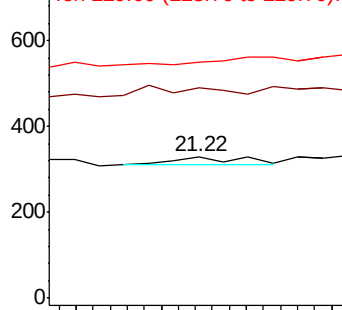
228 100

226 148.6 23.2 34.8#

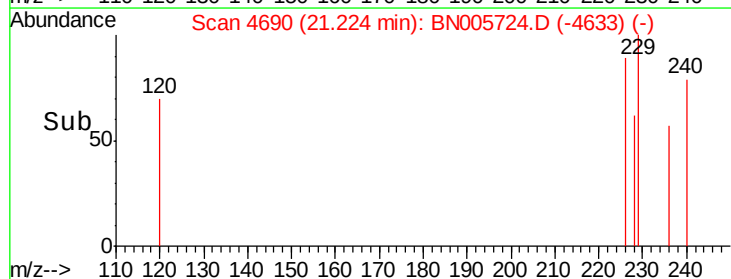
229 167.2 16.0 24.0#

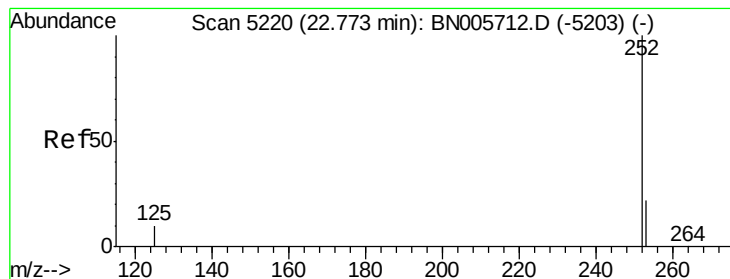


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#21

Benzo(b)fluoranthene

Concen: 0.333 ng/ul

RT: 22.79 min Scan# 5227

Delta R.T. 0.02 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

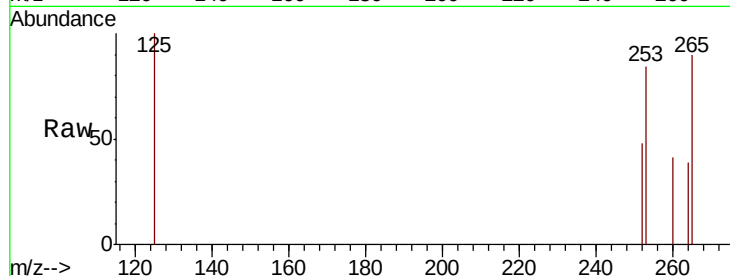
Instrument :

BNA_N

ClientSampleId :

SSTD0.479

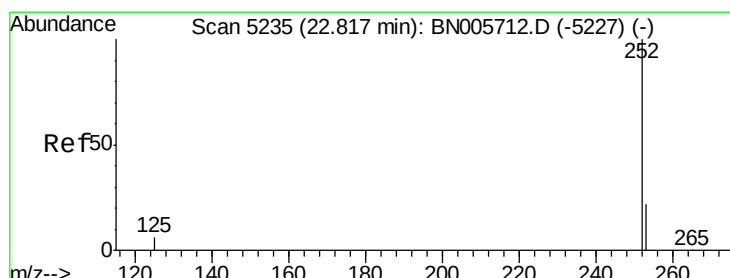
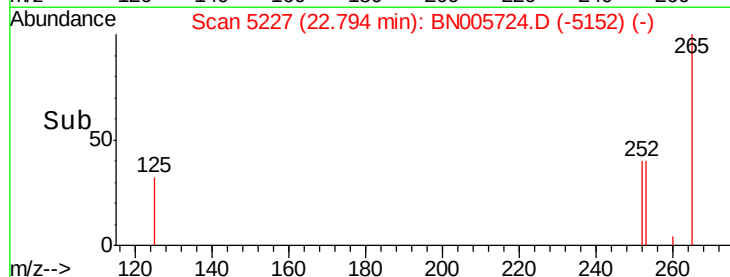
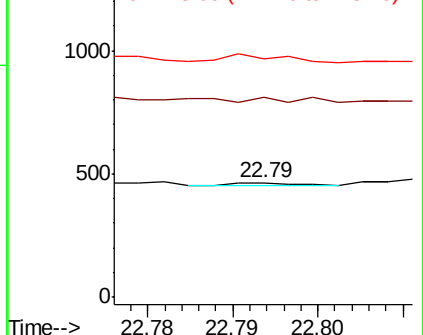
Tgt Ion:	252	Resp:	8
Ion	Ratio	Lower	Upper
252	100		
253	174.6	0.0	47.6#
125	208.4	0.0	20.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.531 ng/ul

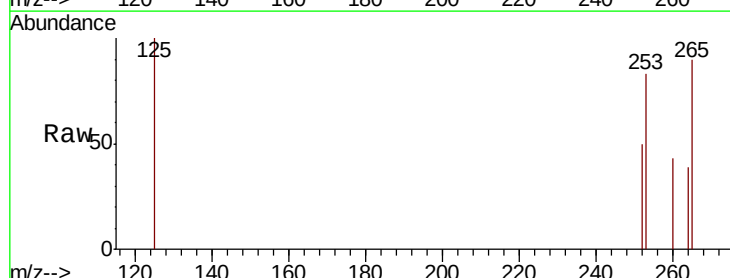
RT: 22.82 min Scan# 5236

Delta R.T. 0.00 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

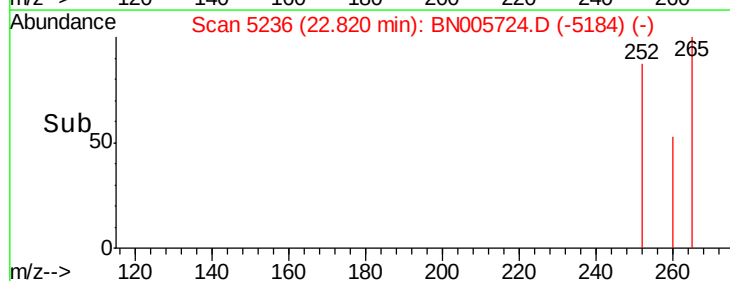
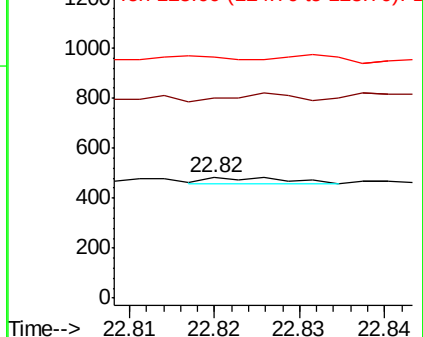
Tgt Ion:	252	Resp:	16
Ion	Ratio	Lower	Upper
252	100		
253	165.8	18.8	28.2#
125	200.2	7.6	11.4#

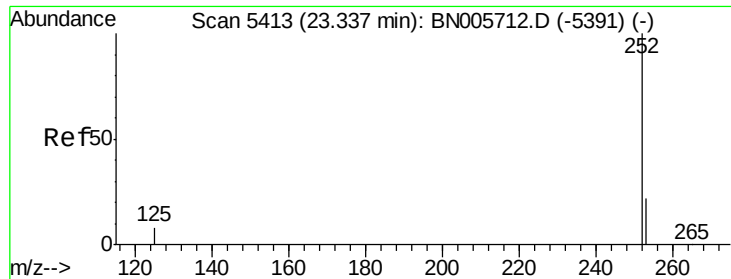


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.781 ng/ul

RT: 23.35 min Scan# 5418

Delta R.T. 0.01 min

Lab File: BN005724.D

Acq: 17 May 2019 03:47

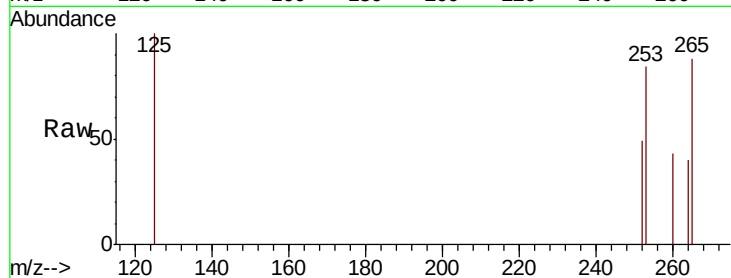
Instrument :

BNA_N

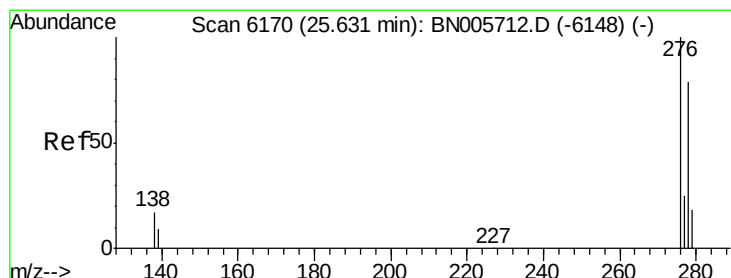
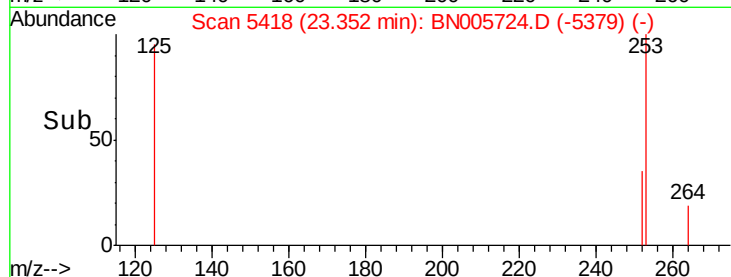
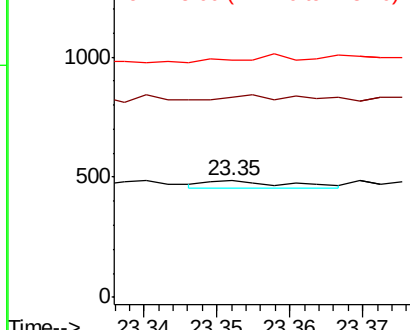
ClientSampleId :

SSTD0.479

Tgt Ion:	252	Resp:	21
Ion	Ratio	Lower	Upper
252	100		
253	172.1	19.6	29.4#
125	204.1	10.1	15.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.166 ng/ul

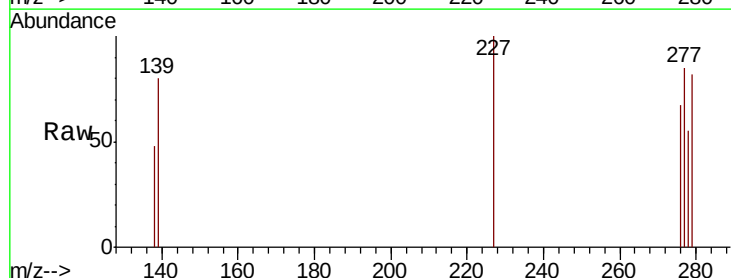
RT: 25.63 min Scan# 6169

Delta R.T. -0.00 min

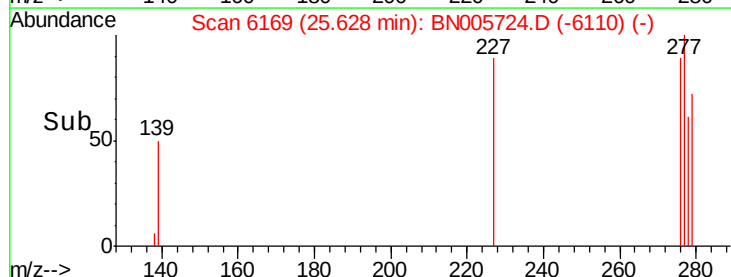
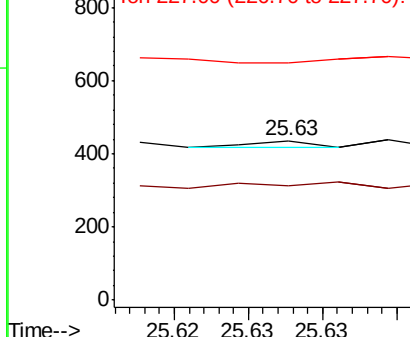
Lab File: BN005724.D

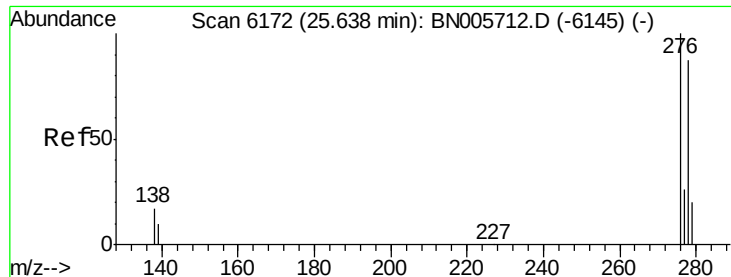
Acq: 17 May 2019 03:47

Tgt Ion:	276	Resp:	5
Ion	Ratio	Lower	Upper
276	100		
138	180.0	15.8	23.8#
227	420.0	0.1	0.1#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

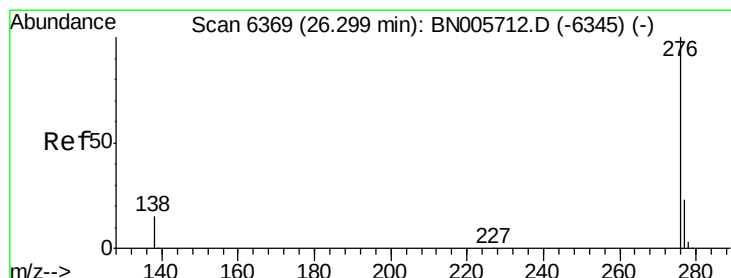
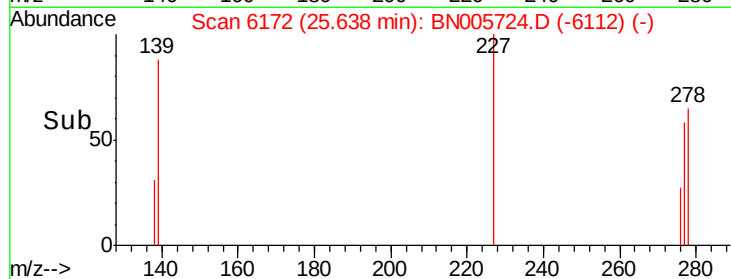
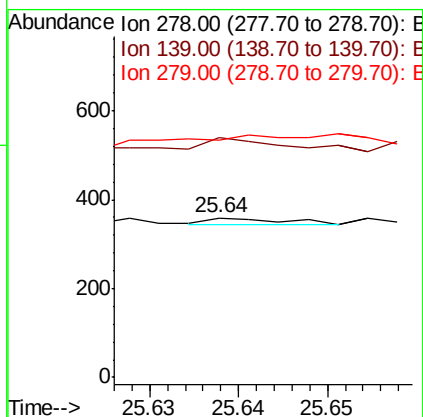
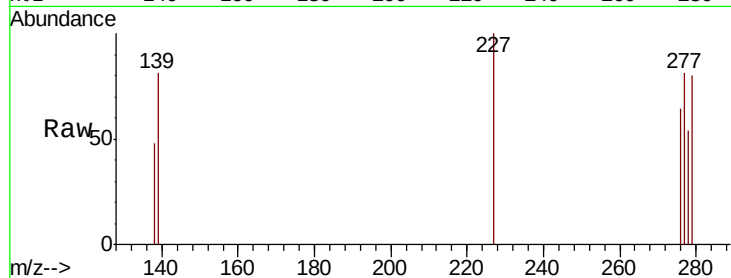




#25
Dibenzo(a,h)anthracene
Concen: 0.362 ng/ul
RT: 25.64 min Scan# 6172
Delta R.T. -0.00 min
Lab File: BN005724.D
Acq: 17 May 2019 03:47

Instrument :
BNA_N
ClientSampleId :
SSTD0.479

Tgt Ion: 278 Resp: 9
Ion Ratio Lower Upper
278 100
139 150.1 12.4 18.6#
279 148.5 21.0 31.4#



#26
Benzo(g,h,i)perylene
Concen: 0.936 ng/ul
RT: 26.31 min Scan# 6371
Delta R.T. 0.01 min
Lab File: BN005724.D
Acq: 17 May 2019 03:47

Tgt Ion: 276 Resp: 24
Ion Ratio Lower Upper
276 100
138 74.8 15.6 23.4#
277 125.2 20.6 31.0#

