

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082318\
 Data File : BN002494.D
 Acq On : 24 Aug 2018 07:52
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 24 08:29:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 24 02:20:09 2018
 Response via : Initial Calibration

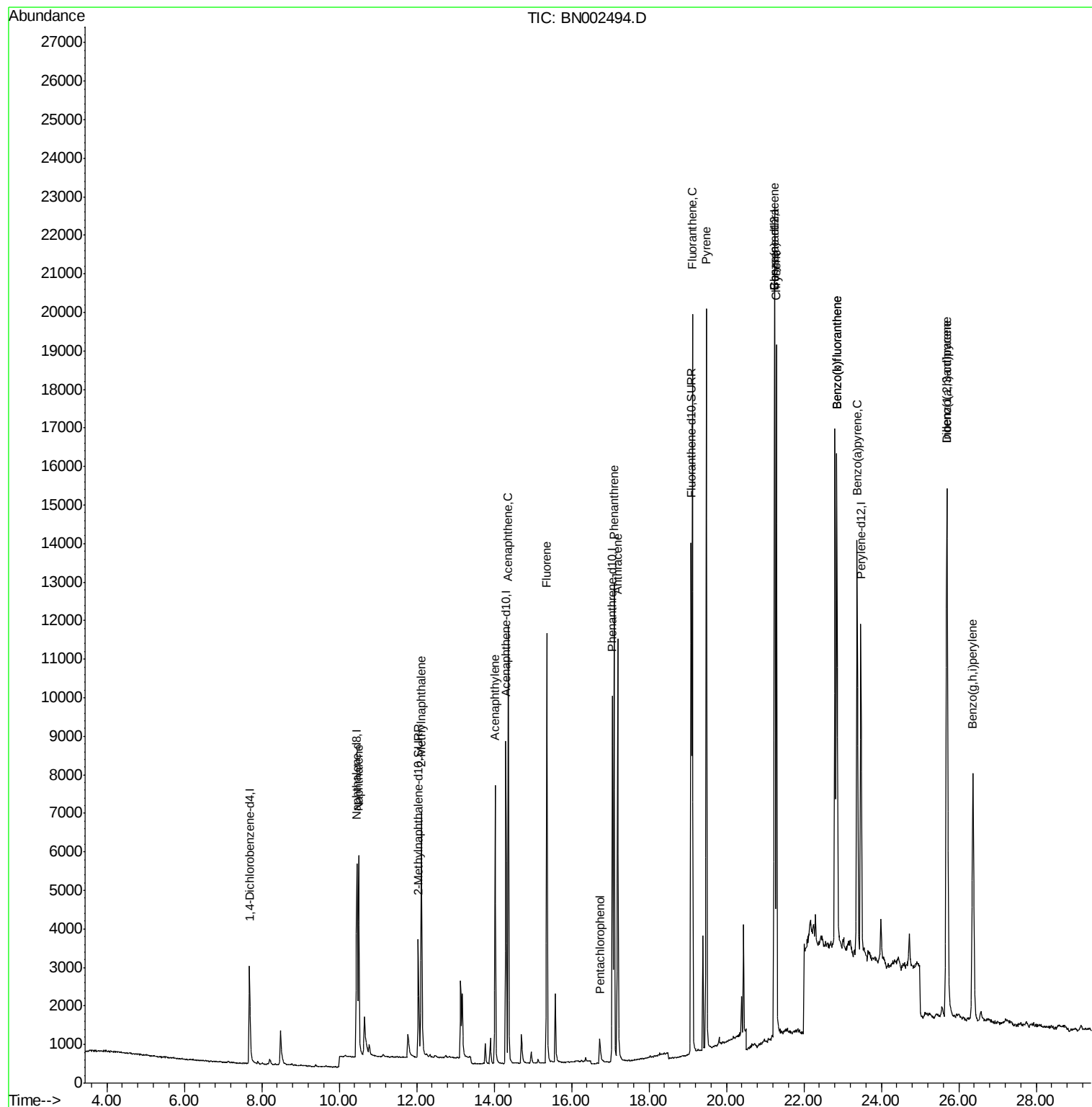
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	1725	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	7540	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	4599	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	11578	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	11890	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	11583	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	4993	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	15303	0.45	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.50	128	7875	0.405	ng/ul#	96
5) 2-Methylnaphthalene	12.12	142	5687	0.420	ng/ul	100
7) Acenaphthylene	14.03	152	9018	0.419	ng/ul	97
8) Acenaphthene	14.37	153	6694	0.407	ng/ul	95
9) Fluorene	15.36	166	7752	0.412	ng/ul	91
11) Pentachlorophenol	16.73	266	821	0.525	ng/ul	99
12) Phenanthrene	17.10	178	13728	0.401	ng/ul#	89
13) Anthracene	17.19	178	13307	0.452	ng/ul#	92
15) Fluoranthene	19.12	202	17126	0.425	ng/ul	97
17) Pyrene	19.48	202	17491	0.431	ng/ul	96
18) Benzo(a)anthracene	21.24	228	16414	0.462	ng/ul#	86
19) Chrysene	21.29	228	15975	0.397	ng/ul	98
21) Benzo(b)fluoranthene	22.85	252	16795	0.404	ng/ul	77
22) Benzo(k)fluoranthene	22.85	252	16770	0.390	ng/ul#	78
23) Benzo(a)pyrene	23.38	252	15847	0.405	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.69	276	16620	0.408	ng/ul#	85
25) Dibenzo(a,h)anthracene	25.70	278	13349	0.415	ng/ul#	82
26) Benzo(g,h,i)perylene	26.37	276	13780	0.395	ng/ul	98

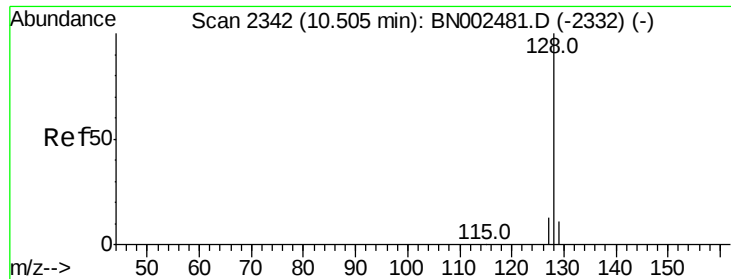
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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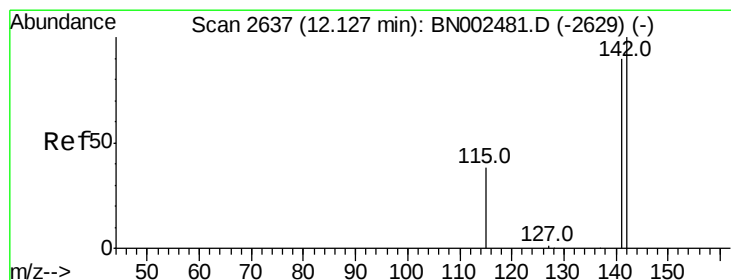
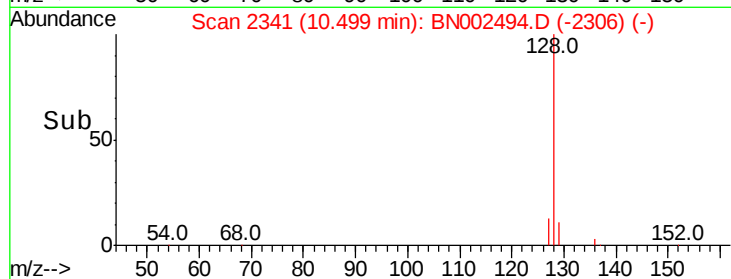
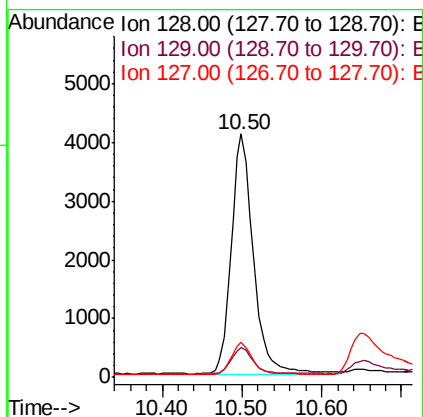
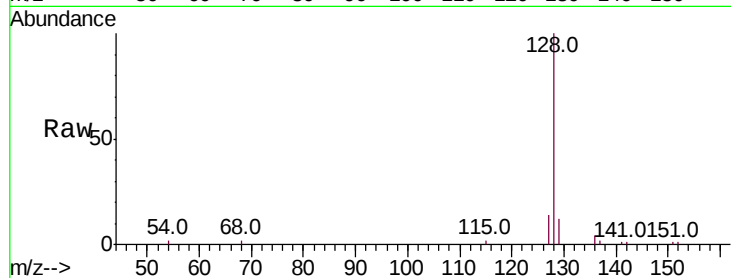
#3

Naphthalene

Concen: 0.405 ng/ul
 RT: 10.50 min Scan# 2341
 Delta R.T. -0.01 min
 Lab File: BN002494.D
 Acq: 24 Aug 2018 07:52

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:128 Resp: 7875
 Ion Ratio Lower Upper
 128 100
 129 12.3 8.0 12.0#
 127 14.3 12.0 18.0

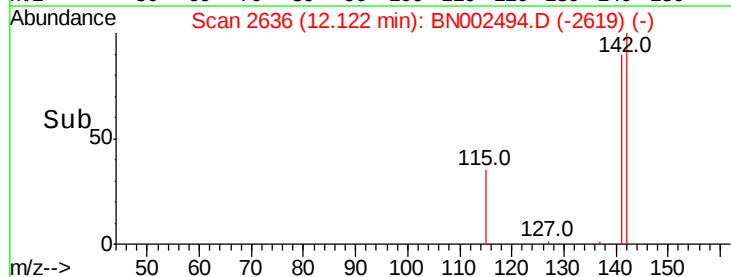
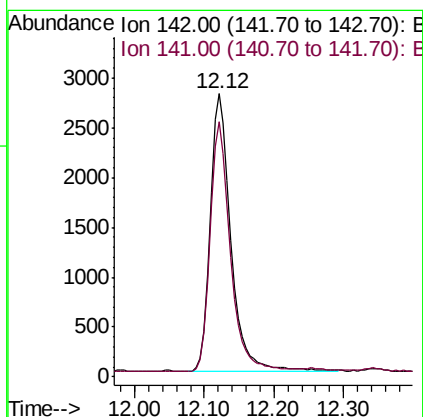
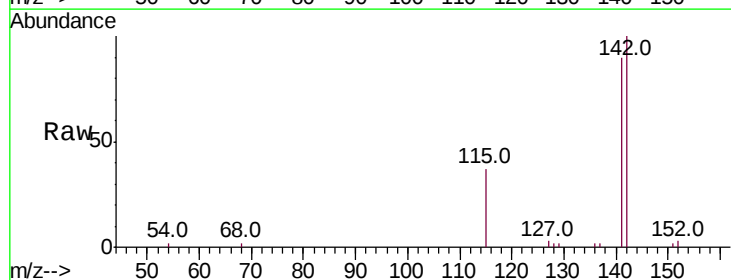


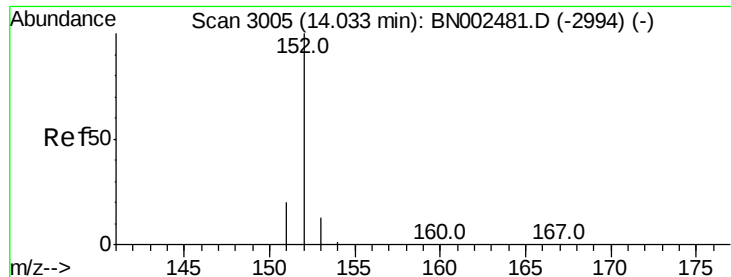
#5

2-Methylnaphthalene

Concen: 0.420 ng/ul
 RT: 12.12 min Scan# 2636
 Delta R.T. -0.01 min
 Lab File: BN002494.D
 Acq: 24 Aug 2018 07:52

Tgt Ion:142 Resp: 5687
 Ion Ratio Lower Upper
 142 100
 141 90.8 72.6 108.8





#7

Acenaphthylene

Concen: 0.419 ng/ul

RT: 14.03 min Scan# 3004

Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

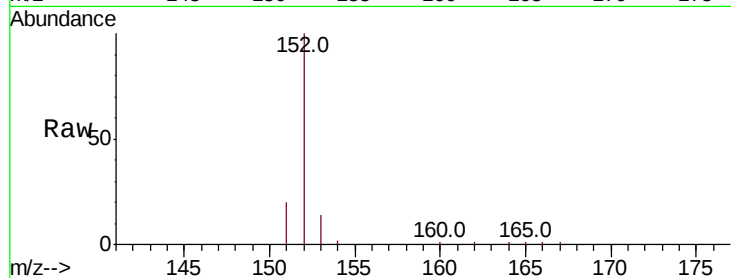
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 9018

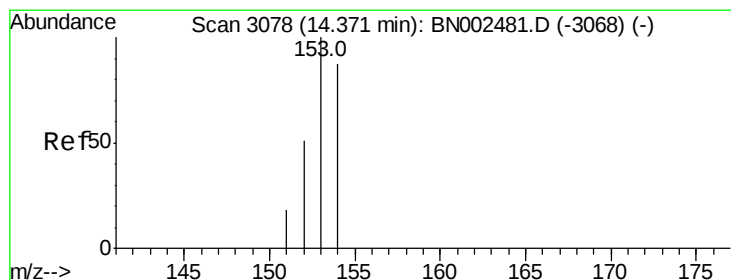
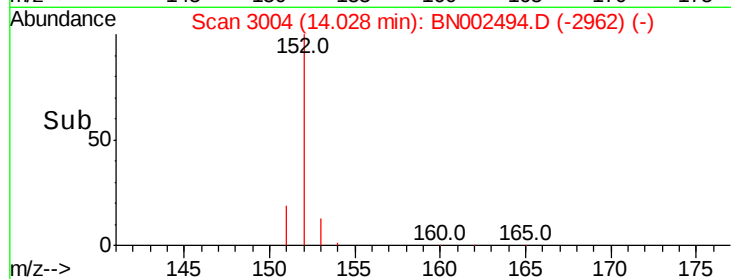
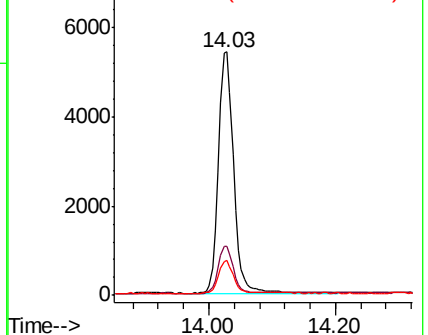
Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.1	25.7
153	14.1	12.8	19.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.407 ng/ul

RT: 14.37 min Scan# 3077

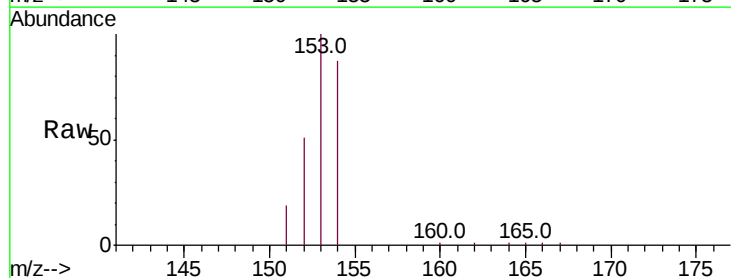
Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

Tgt Ion:153 Resp: 6694

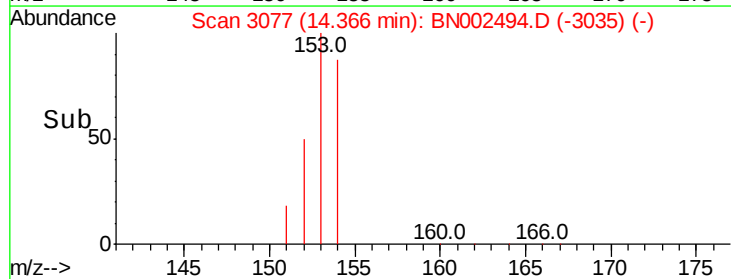
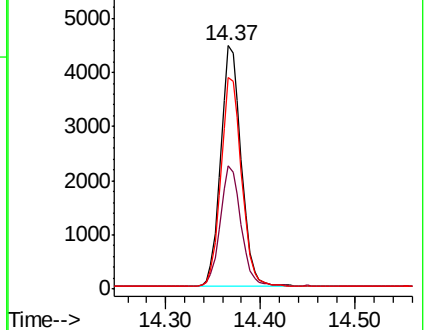
Ion	Ratio	Lower	Upper
153	100		
152	50.6	36.0	54.0
154	87.0	72.0	108.0

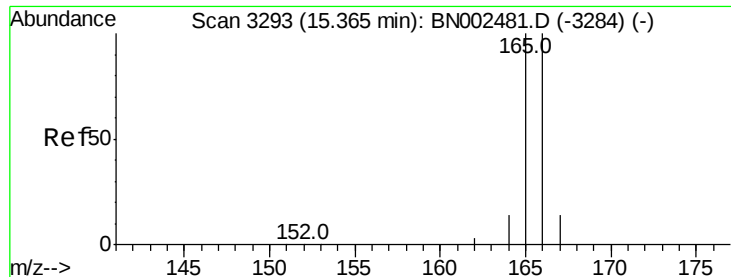


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.412 ng/ul

RT: 15.36 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

Instrument :

BNA_N

ClientSampleId :

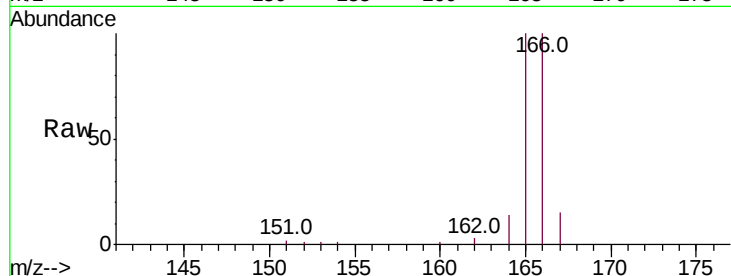
Tot Ion:166 Resp: 7752

Ion Ratio Lower Upper

166 100

165 100.4 73.4 110.2

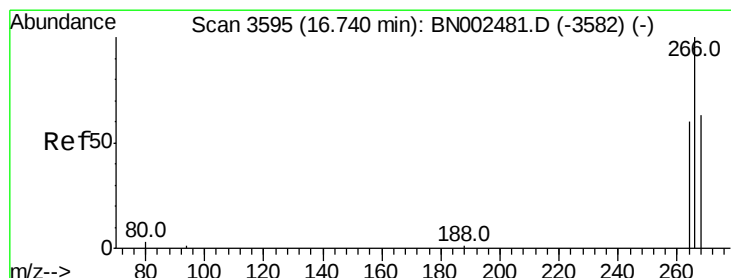
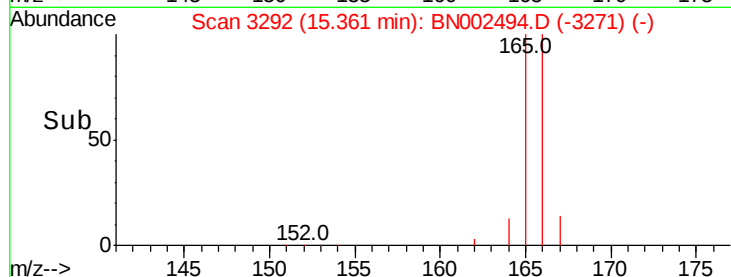
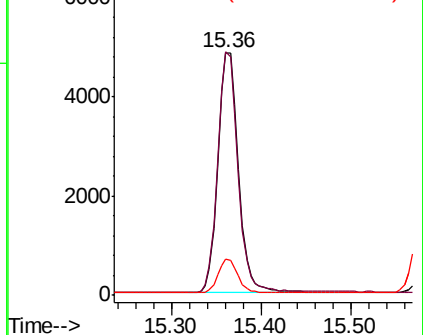
167 14.7 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.525 ng/ul

RT: 16.73 min Scan# 3592

Delta R.T. -0.01 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

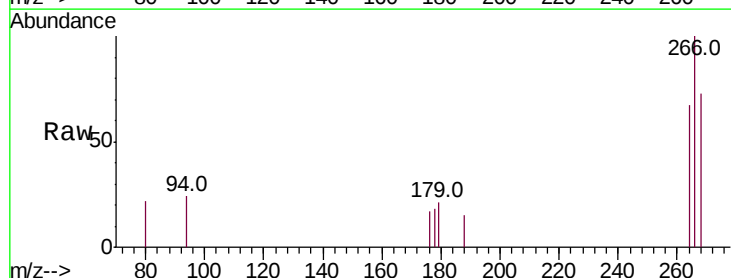
Tgt Ion:266 Resp: 821

Ion Ratio Lower Upper

266 100

264 59.1 47.9 71.9

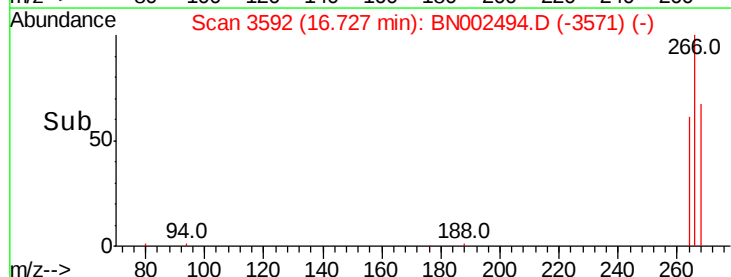
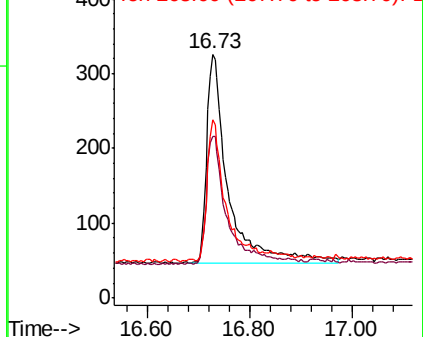
268 61.0 49.8 74.8

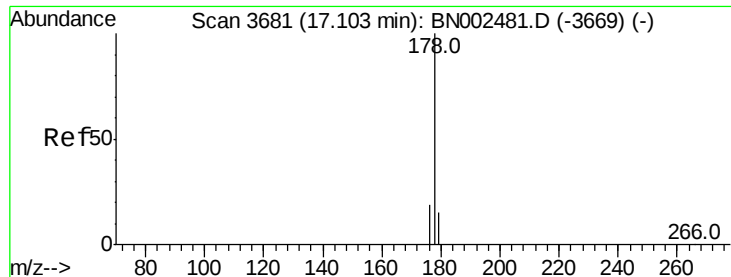


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.401 ng/ul

RT: 17.10 min Scan# 3680

Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

Instrument :

BNA_N

ClientSampleId :

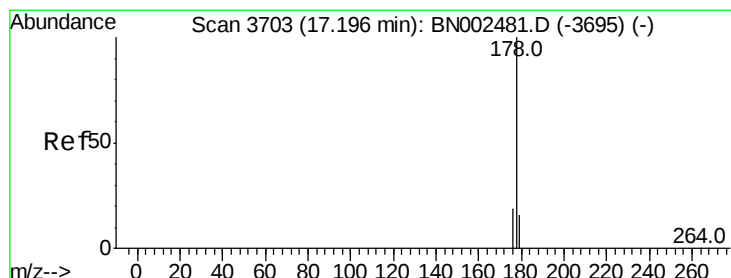
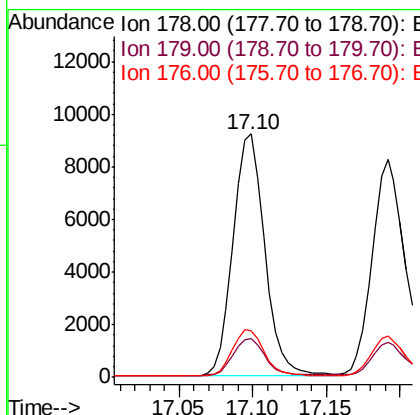
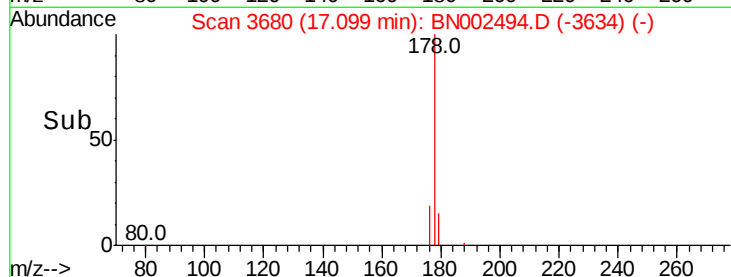
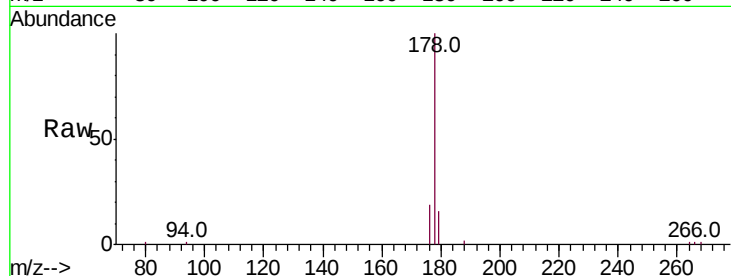
Tot Ion:178 Resp: 13728

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

176 19.2 13.6 20.4



#13

Anthracene

Concen: 0.452 ng/ul

RT: 17.19 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

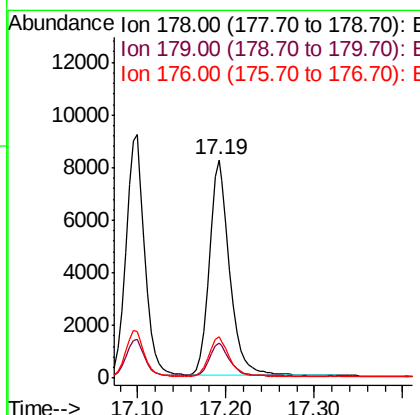
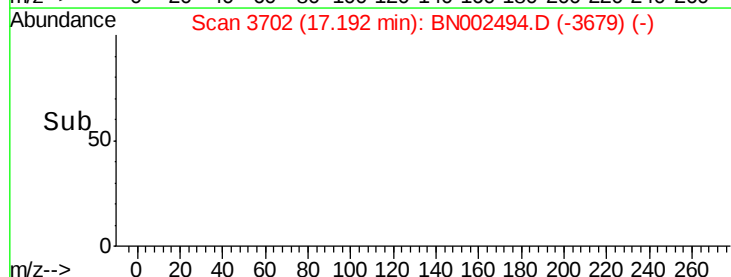
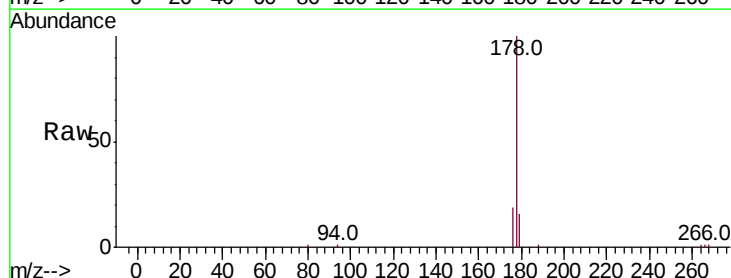
Tgt Ion:178 Resp: 13307

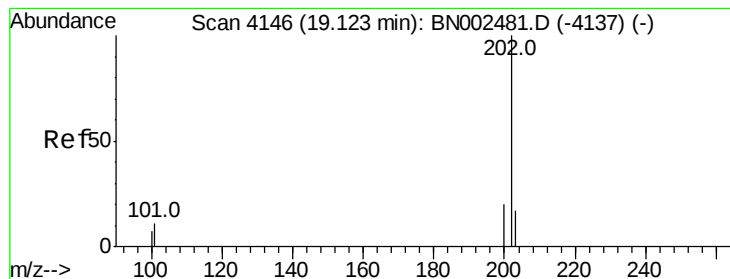
Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 18.8 14.7 22.1





#15

Fluoranthene

Concen: 0.425 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

Instrument :

BNA_N

ClientSampleId :

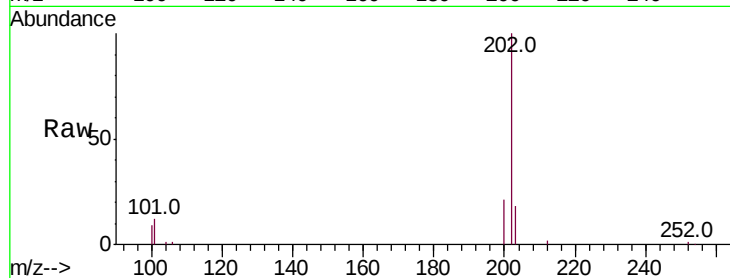
Tot Ion:202 Resp: 17126

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.0

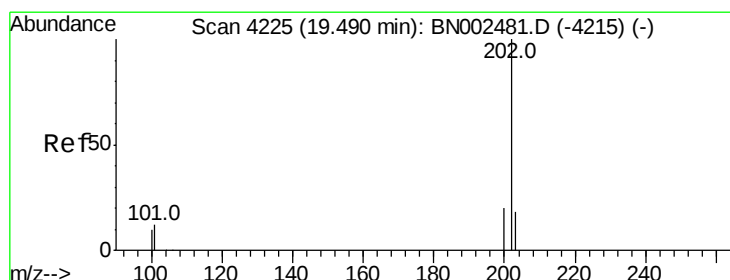
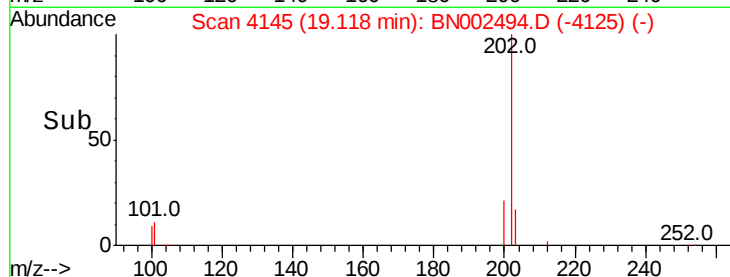
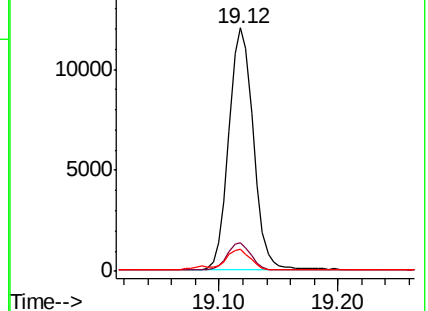
100 9.1 0.0 30.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.431 ng/ul

RT: 19.48 min Scan# 4223

Delta R.T. -0.01 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

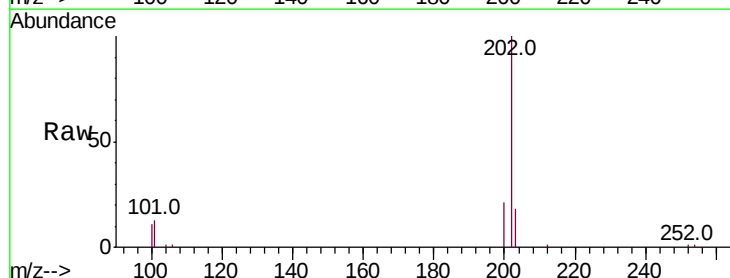
Tgt Ion:202 Resp: 17491

Ion Ratio Lower Upper

202 100

101 13.4 12.0 18.0

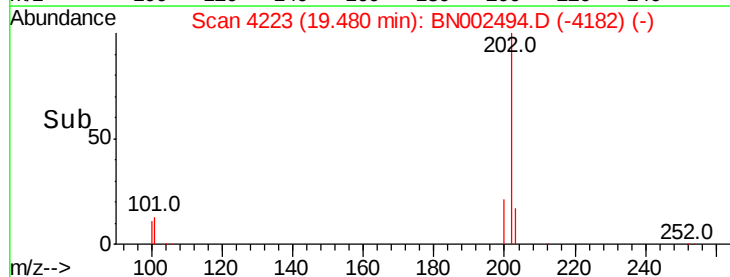
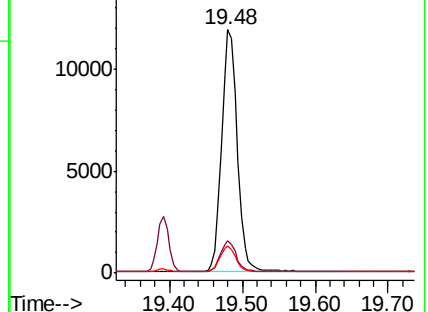
100 11.2 8.0 12.0

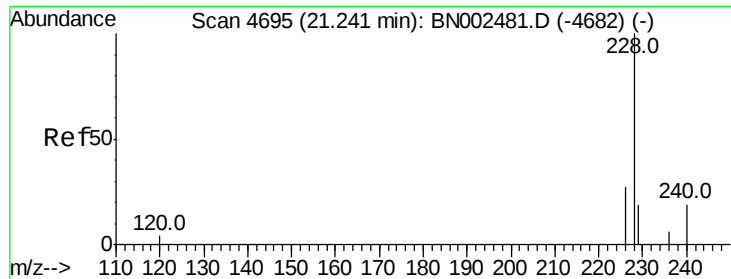


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.462 ng/ul

RT: 21.24 min Scan# 4694

Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

Instrument :

BNA_N

ClientSampleId :

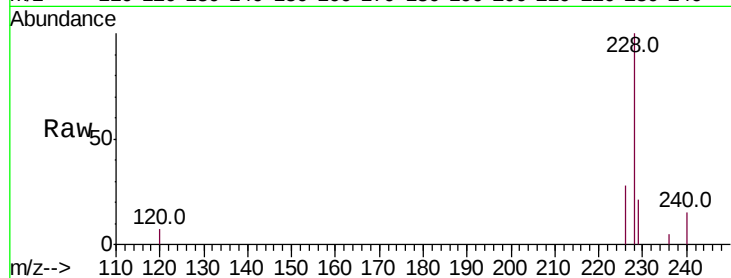
Tot Ion:228 Resp: 16414

Ion Ratio Lower Upper

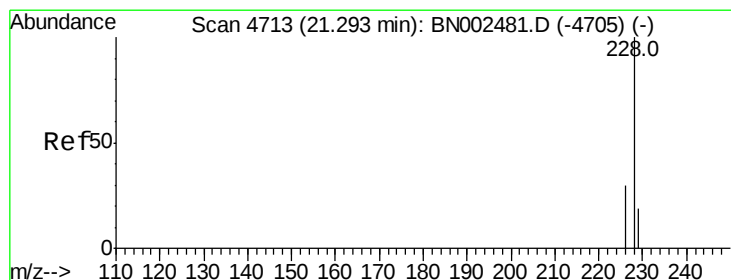
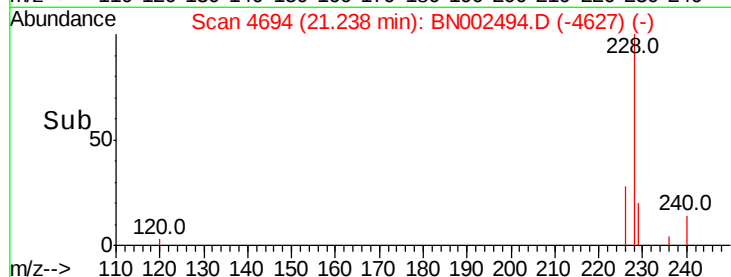
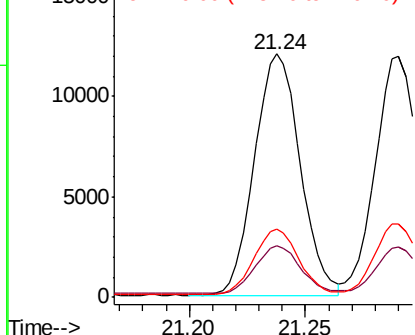
228 100

229 21.0 22.8 34.2#

226 28.2 17.0 25.6#



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



#19

Chrysene

Concen: 0.397 ng/ul

RT: 21.29 min Scan# 4712

Delta R.T. -0.00 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

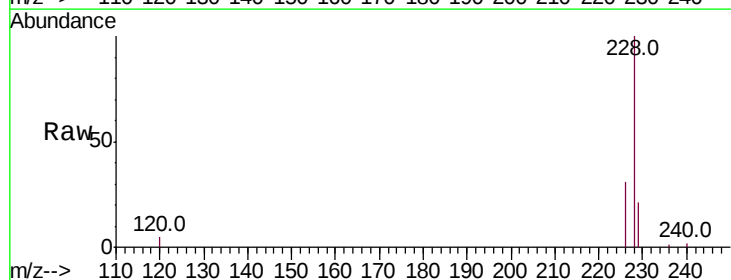
Tgt Ion:228 Resp: 15975

Ion Ratio Lower Upper

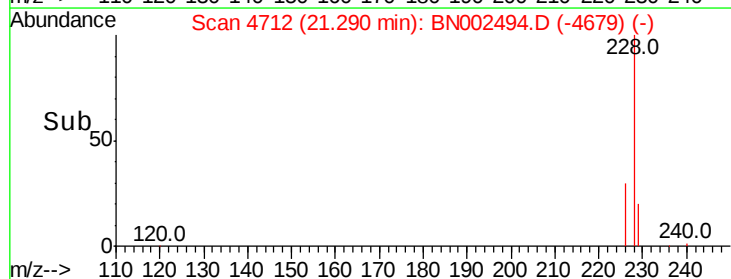
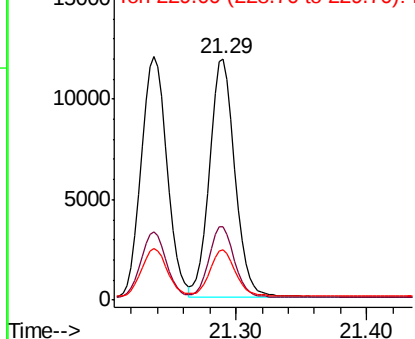
228 100

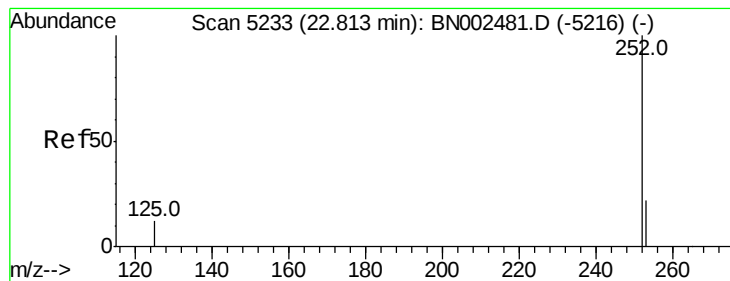
226 30.5 23.4 35.0

229 21.0 17.7 26.5



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





#21

Benzo(b)fluoranthene

Concen: 0.404 ng/ul

RT: 22.85 min Scan# 5247

Delta R.T. 0.04 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

Instrument :

BNA_N

ClientSampleId :

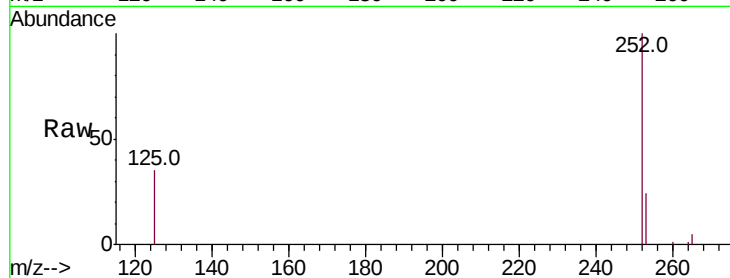
Tot Ion:252 Resp: 16795

Ion Ratio Lower Upper

252 100

253 24.4 0.0 64.2

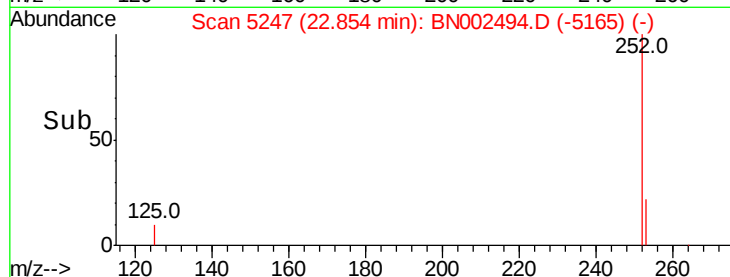
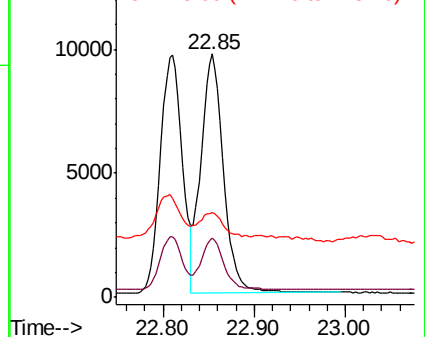
125 34.7 0.0 35.0



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: 0.390 ng/ul

RT: 22.85 min Scan# 5247

Delta R.T. -0.01 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

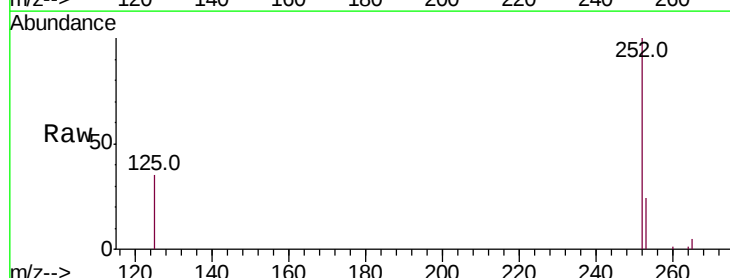
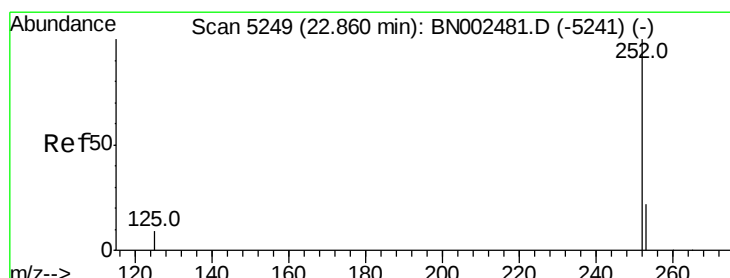
Tgt Ion:252 Resp: 16770

Ion Ratio Lower Upper

252 100

253 24.4 24.5 36.7#

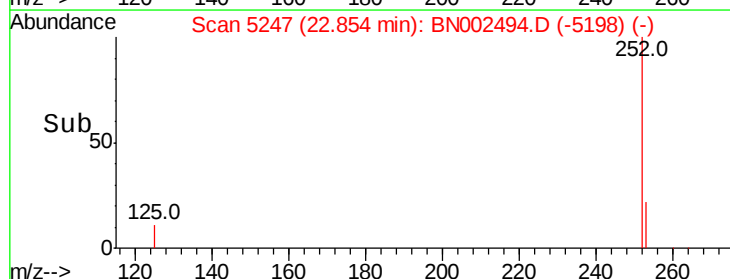
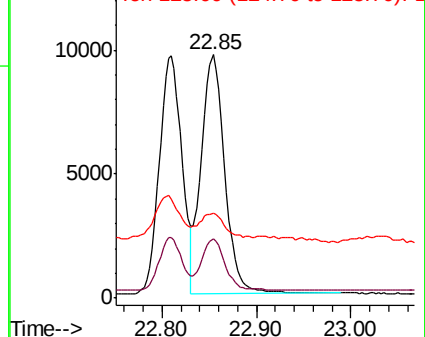
125 34.7 13.7 20.5#

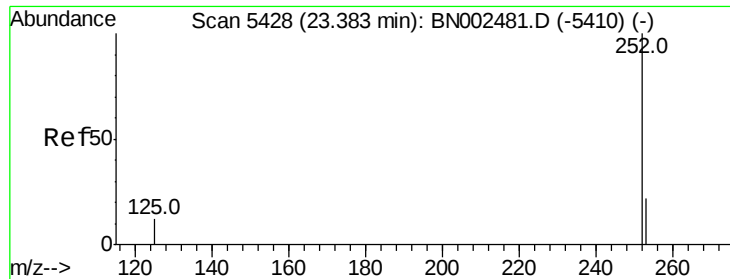


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.405 ng/ul

RT: 23.38 min Scan# 5426

Delta R.T. -0.01 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

Instrument :

BNA_N

ClientSampleId :

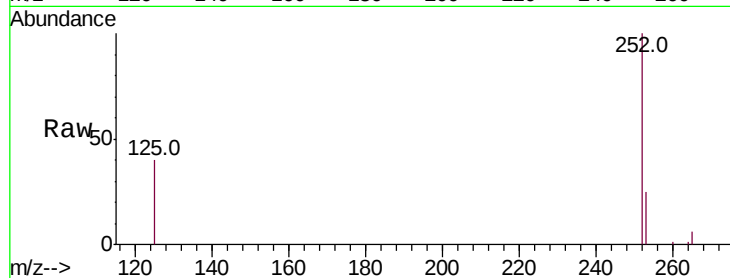
Tot Ion:252 Resp: 15847

Ion Ratio Lower Upper

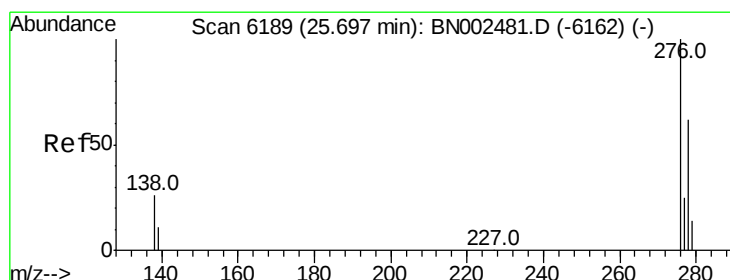
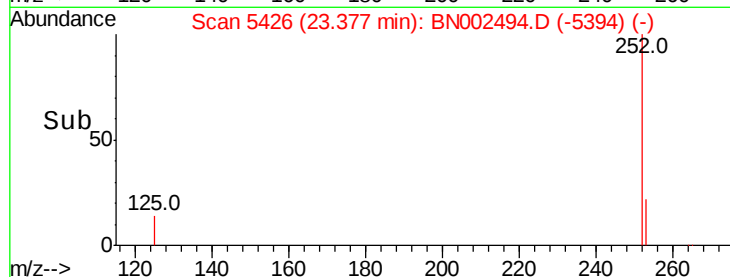
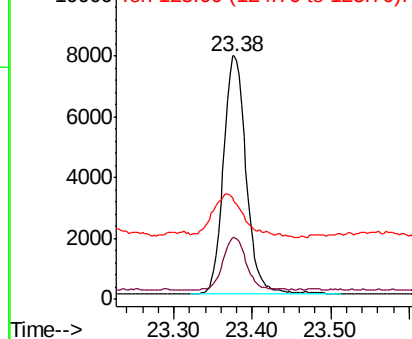
252 100

253 25.3 16.0 24.0#

125 40.3 12.0 18.0#



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: 0.408 ng/ul

RT: 25.69 min Scan# 6187

Delta R.T. -0.01 min

Lab File: BN002494.D

Acq: 24 Aug 2018 07:52

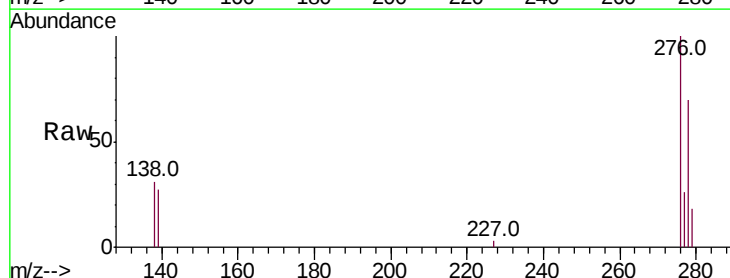
Tgt Ion:276 Resp: 16620

Ion Ratio Lower Upper

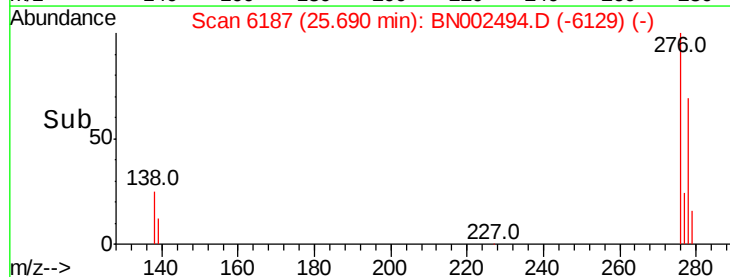
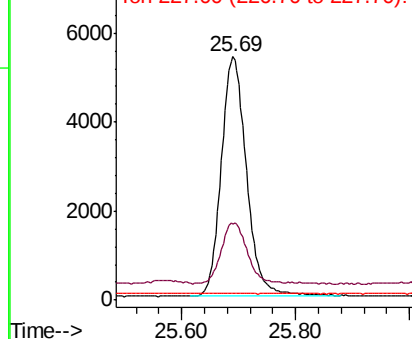
276 100

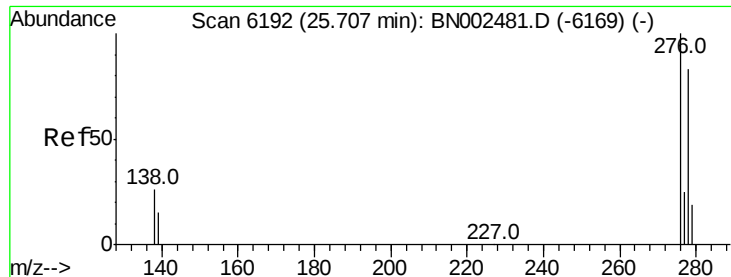
138 26.1 28.0 42.0#

227 0.3 0.8 1.2#



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

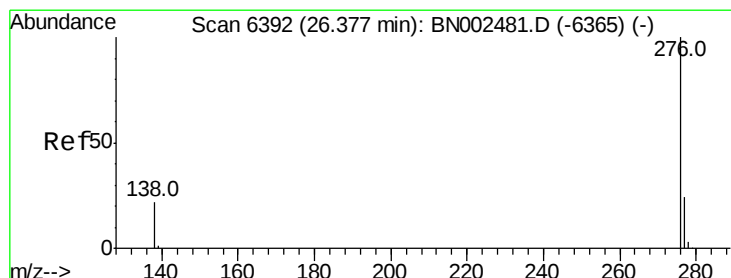
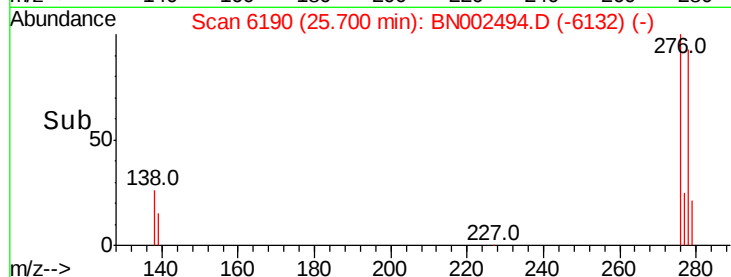
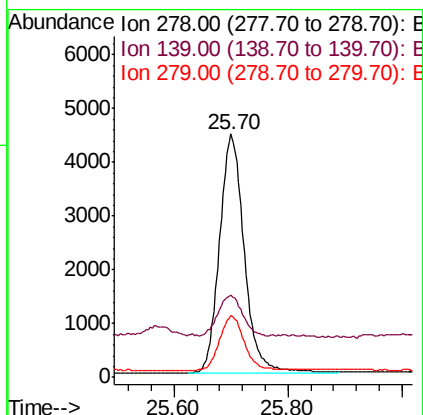
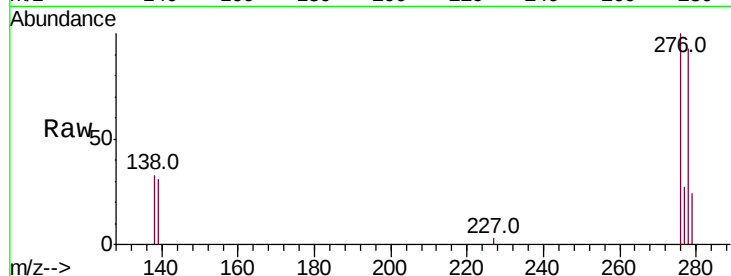




#25
Dibenzo(a,h)anthracene
Concen: 0.415 ng/u1
RT: 25.70 min Scan# 6190
Delta R.T. -0.01 min
Lab File: BN002494.D
Acq: 24 Aug 2018 07:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 13349
Ion Ratio Lower Upper
278 100
139 33.6 17.4 26.0#
279 25.3 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.395 ng/u1
RT: 26.37 min Scan# 6389
Delta R.T. -0.01 min
Lab File: BN002494.D
Acq: 24 Aug 2018 07:52

Tgt Ion:276 Resp: 13780
Ion Ratio Lower Upper
276 100
138 29.3 21.8 32.8
277 25.7 20.5 30.7

