

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
 Data File : BN008405.D
 Acq On : 25 Oct 2019 01:34
 Operator : JU
 Sample : K5236-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 25 03:02:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

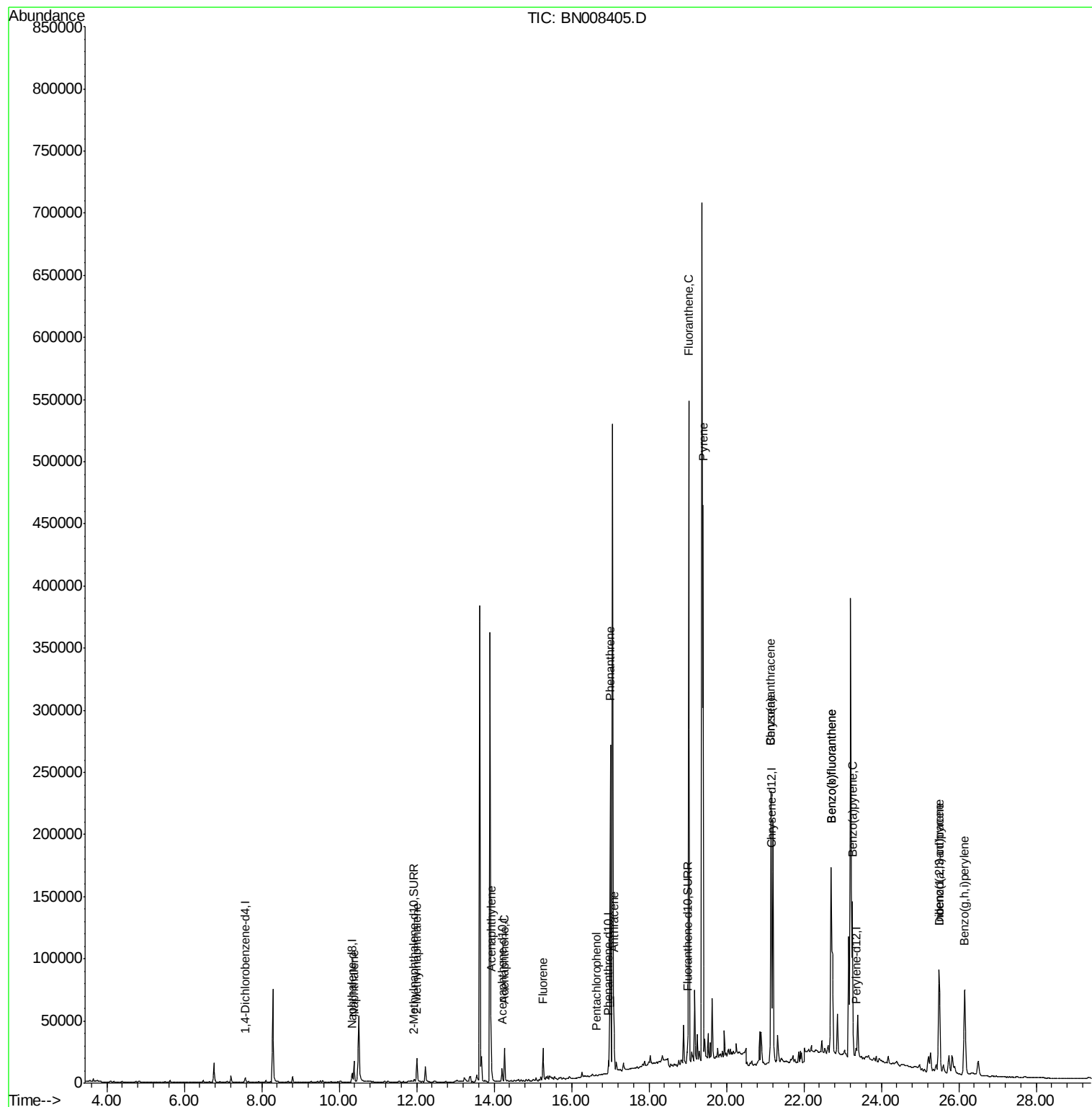
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1830	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.33	136	8603	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5679	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.96	188	11864	0.40	ng/ul	-0.02
16) Chrysene-d12	21.17	240	9952	0.40	ng/ul	-0.01
20) Perylene-d12	23.34	264	8457	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	3189	0.22	ng/ul	-0.03
14) Fluoranthene-d10	19.00	212	8805	0.21	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.38	128	22881	0.934	ng/ul	98
5) 2-Methylnaphthalene	12.01	142	13911	0.828	ng/ul	100
7) Acenaphthylene	13.93	152	28960	1.071	ng/ul	99
8) Acenaphthene	14.27	153	15355	0.730	ng/ul	99
9) Fluorene	15.26	166	15897	0.666	ng/ul	97
11) Pentachlorophenol	16.62	266	175	0.061	ng/ul#	56
12) Phenanthrene	17.00	178	271523	7.817	ng/ul	99
13) Anthracene	17.09	178	56964	1.864	ng/ul	97
15) Fluoranthene	19.03	202	443056	9.658	ng/ul	99
17) Pyrene	19.40	202	365720	9.229	ng/ul	99
18) Benzo(a)anthracene	21.15	228	184830	5.108	ng/ul	95
19) Chrysene	21.15	228	184848	4.163	ng/ul	97
21) Benzo(b)fluoranthene	22.70	252	326308	11.853	ng/ul	91
22) Benzo(k)fluoranthene	22.70	252	326308	10.463	ng/ul#	90
23) Benzo(a)pyrene	23.25	252	155931	5.382	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.49	276	125227	3.670	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.49	278	29462	1.092	ng/ul#	78
26) Benzo(g,h,i)perylene	26.15	276	132568	4.237	ng/ul	97

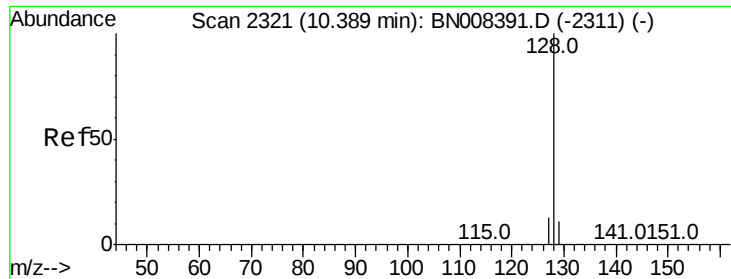
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.934 ng/ul

RT: 10.38 min Scan# 2320

Delta R.T. -0.02 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

Instrument :

BNA_N

ClientSampleId :

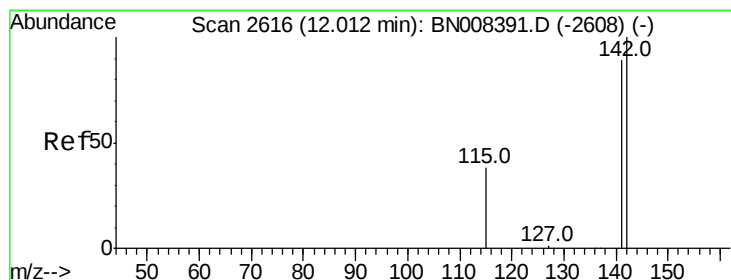
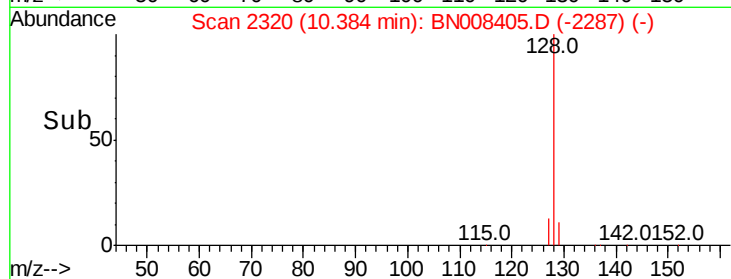
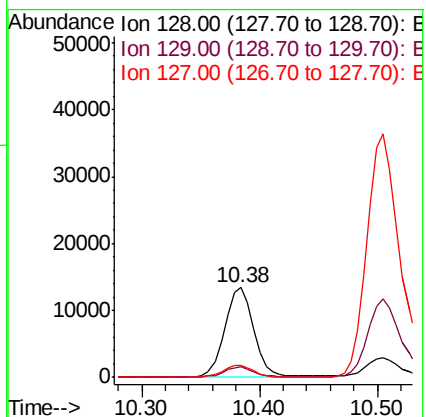
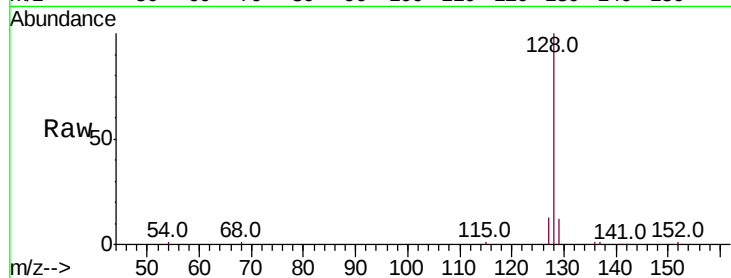
Tot Ion:128 Resp: 22881

Ion Ratio Lower Upper

128 100

129 11.5 9.8 14.8

127 13.3 11.1 16.7



#5

2-Methylnaphthalene

Concen: 0.828 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. -0.02 min

Lab File: BN008405.D

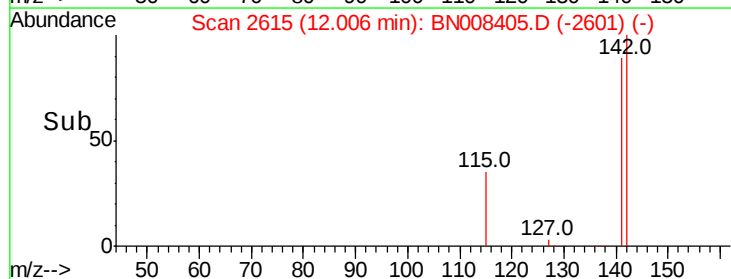
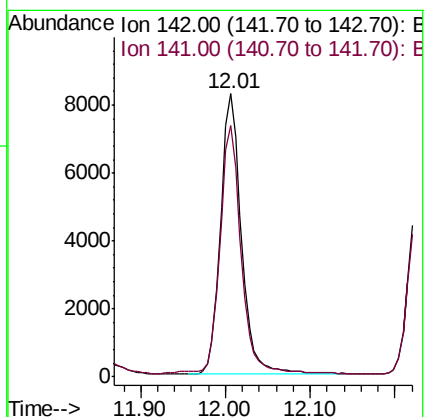
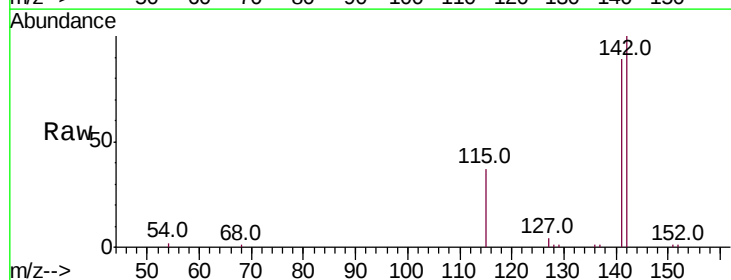
Acq: 25 Oct 2019 01:34

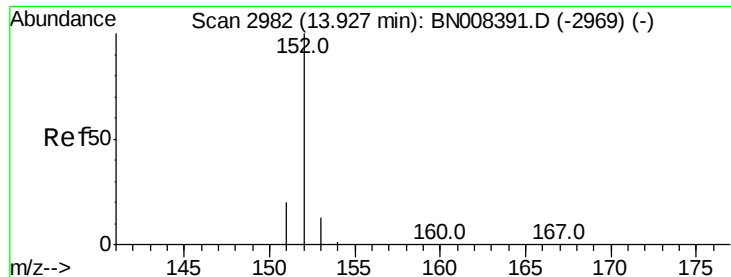
Tgt Ion:142 Resp: 13911

Ion Ratio Lower Upper

142 100

141 88.9 71.4 107.2





#7

Acenaphthylene

Concen: 1.071 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

Instrument :

BNA_N

ClientSampleId :

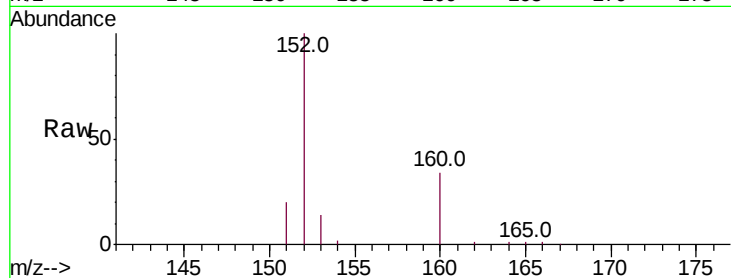
Tot Ion:152 Resp: 28960

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

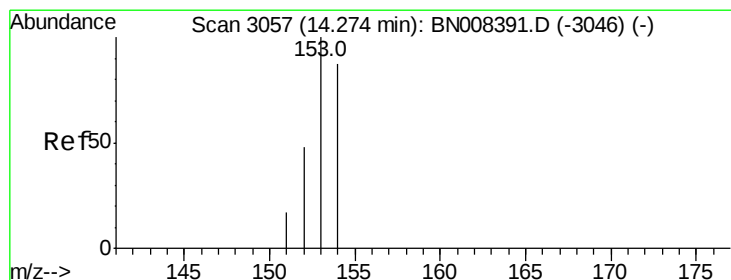
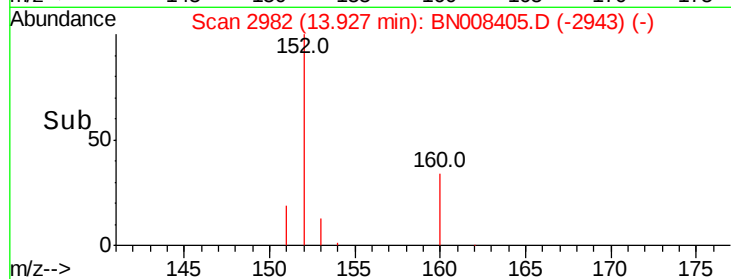
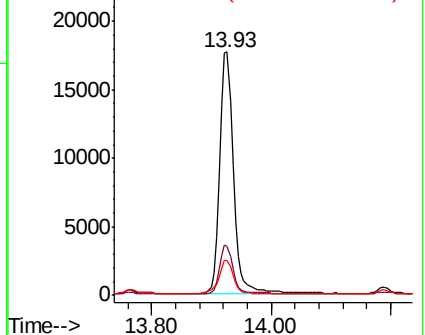
153 14.2 11.0 16.4



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: 0.730 ng/ul

RT: 14.27 min Scan# 3056

Delta R.T. -0.02 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

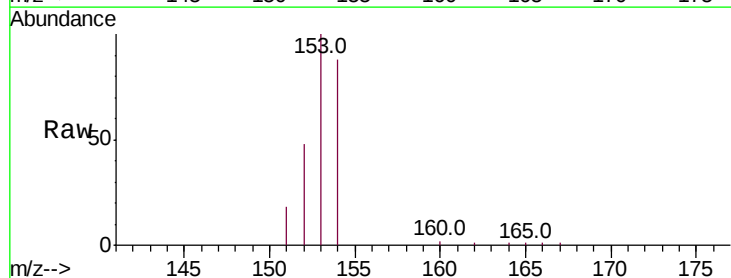
Tgt Ion:153 Resp: 15355

Ion Ratio Lower Upper

153 100

152 47.7 38.2 57.2

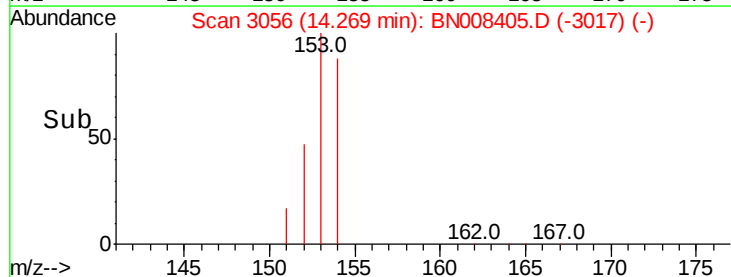
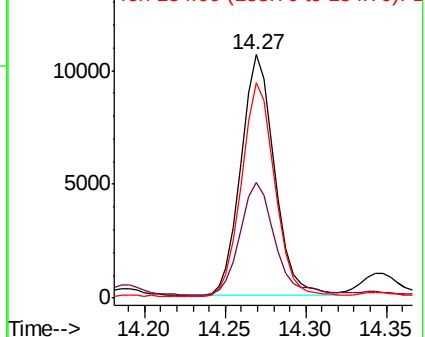
154 88.2 71.8 107.8

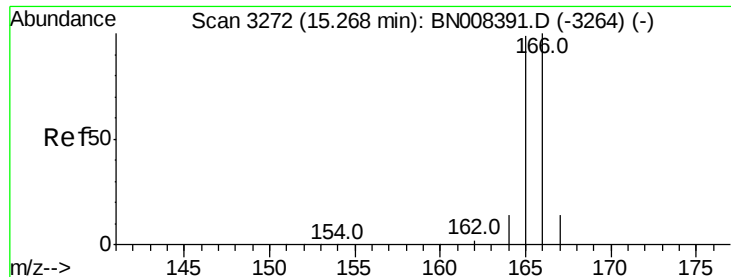


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



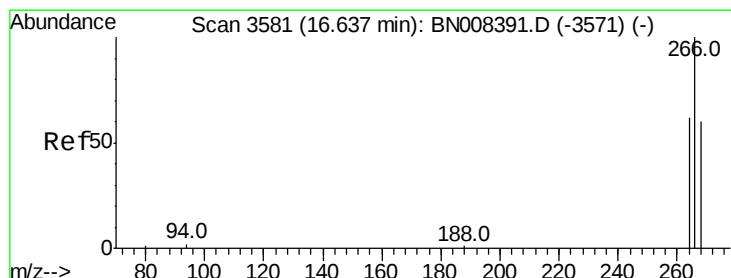
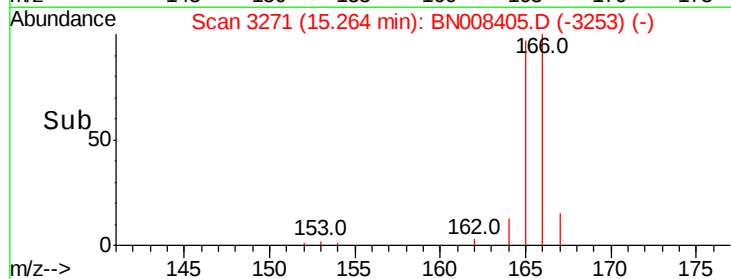
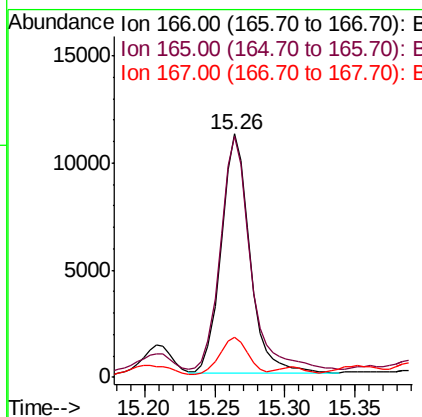
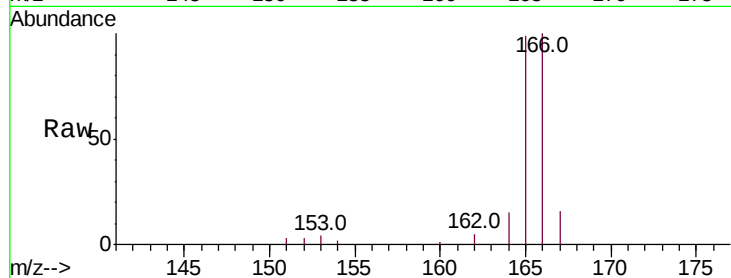


#9
Fluorene
 Concen: 0.666 ng/ul
 RT: 15.26 min Scan# 3271
 Delta R.T. -0.02 min
 Lab File: BN008405.D
 Acq: 25 Oct 2019 01:34

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 15897

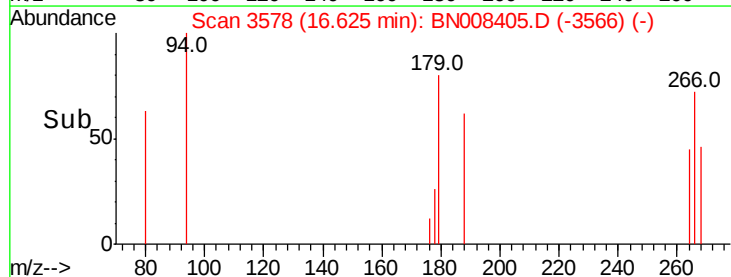
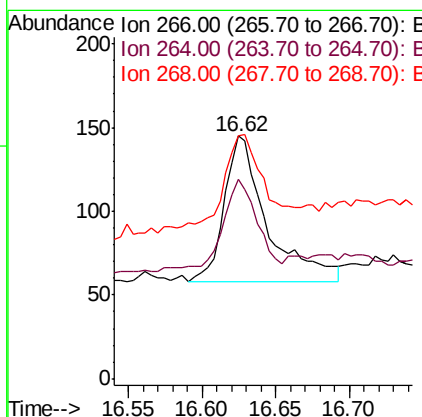
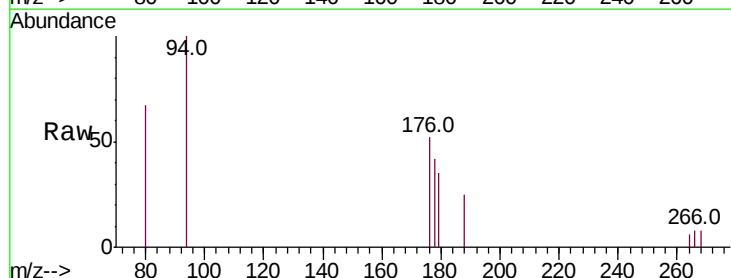
Ion	Ratio	Lower	Upper
166	100		
165	98.9	76.6	115.0
167	16.4	11.7	17.5

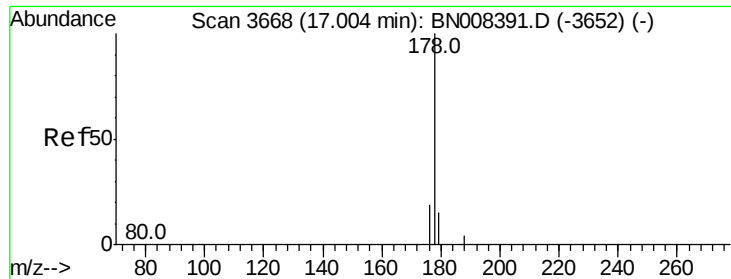


#11
Pentachlorophenol
 Concen: 0.061 ng/ul
 RT: 16.62 min Scan# 3578
 Delta R.T. -0.05 min
 Lab File: BN008405.D
 Acq: 25 Oct 2019 01:34

Tgt Ion:266 Resp: 175

Ion	Ratio	Lower	Upper
266	100		
264	52.0	50.1	75.1
268	122.9	51.9	77.9#





#12

Phenanthrene

Concen: 7.817 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

Instrument :

BNA_N

ClientSampleId :

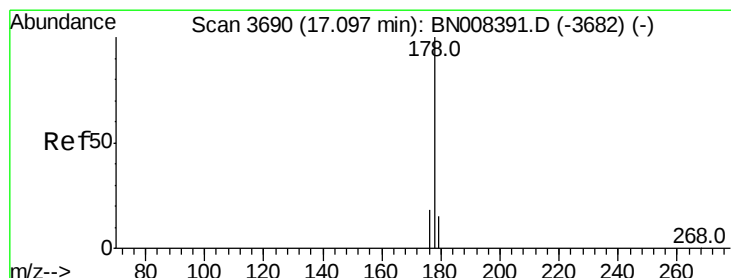
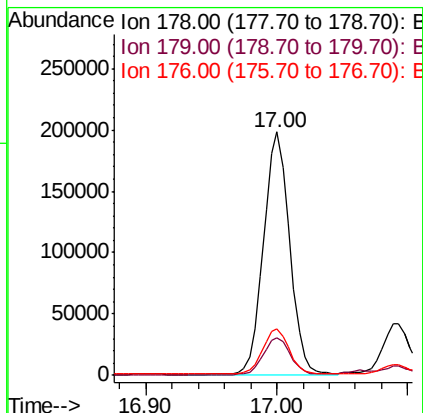
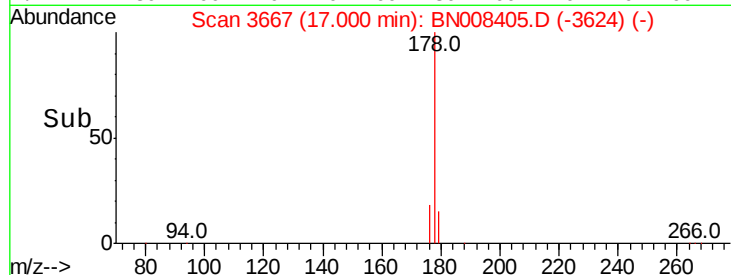
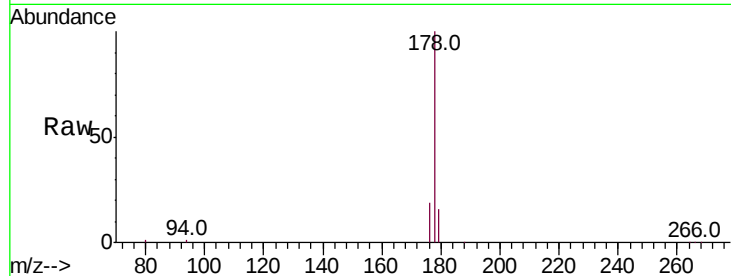
Tot Ion:178 Resp: 271523

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

176 18.9 15.4 23.2



#13

Anthracene

Concen: 1.864 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

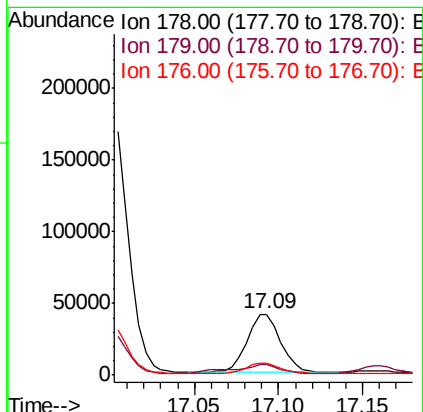
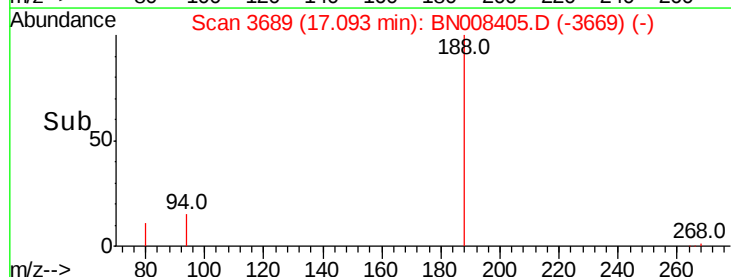
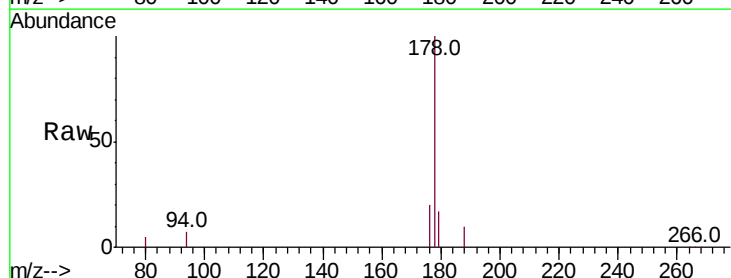
Tgt Ion:178 Resp: 56964

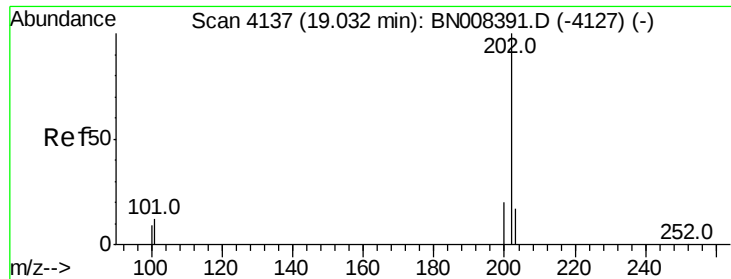
Ion Ratio Lower Upper

178 100

179 17.1 13.0 19.6

176 20.3 15.0 22.6

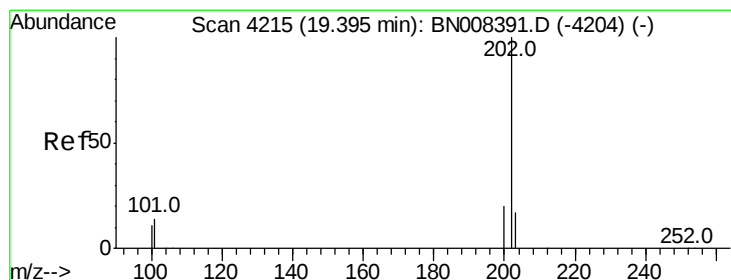
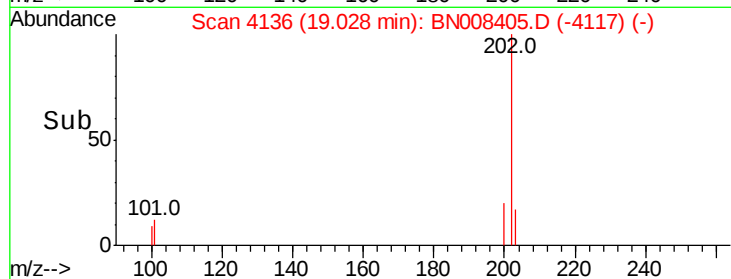
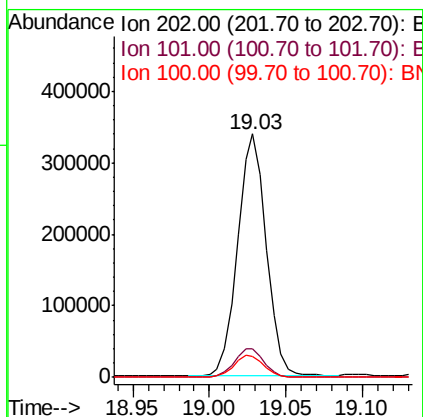
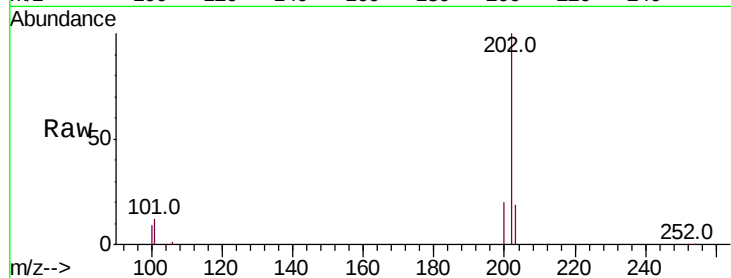




#15
Fluoranthene
Concen: 9.658 ng/ul
RT: 19.03 min Scan# 4136
Delta R.T. -0.01 min
Lab File: BN008405.D
Acq: 25 Oct 2019 01:34

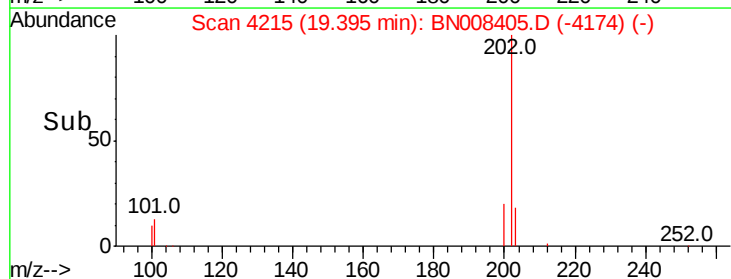
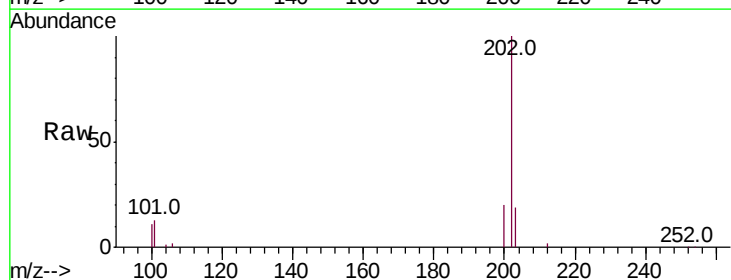
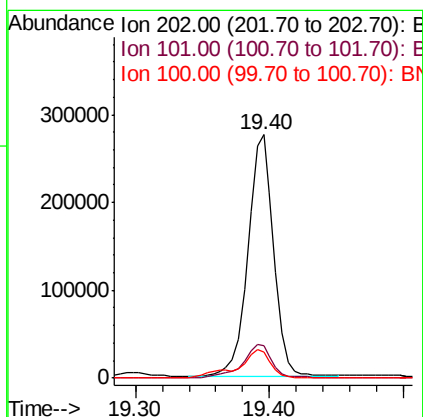
Instrument :
BNA_N
ClientSampleId :

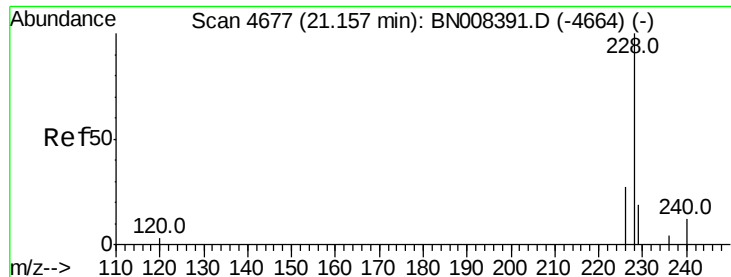
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.2
100	8.8	0.0	28.5



#17
Pyrene
Concen: 9.229 ng/ul
RT: 19.40 min Scan# 4215
Delta R.T. -0.01 min
Lab File: BN008405.D
Acq: 25 Oct 2019 01:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.9	16.3
100	10.6	8.7	13.1





#18

Benzo(a)anthracene

Concen: 5.108 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.01 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

Instrument :

BNA_N

ClientSampleId :

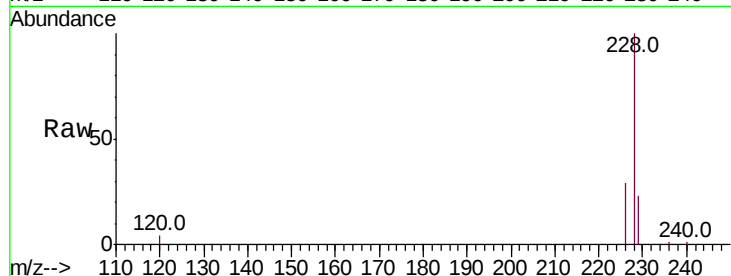
Tot Ion:228 Resp: 184830

Ion Ratio Lower Upper

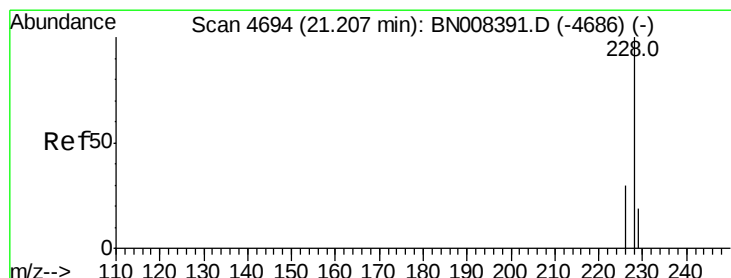
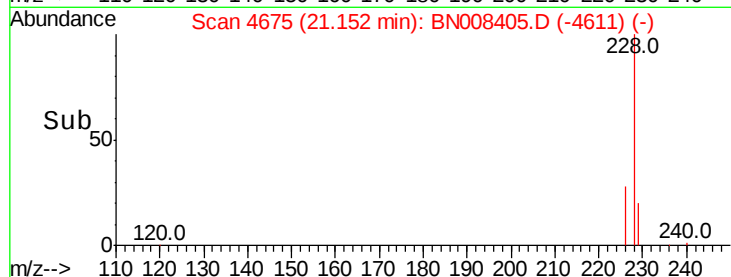
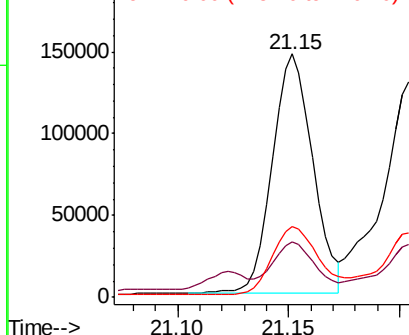
228 100

229 22.9 16.2 24.2

226 29.2 21.4 32.0



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: 4.163 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.06 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

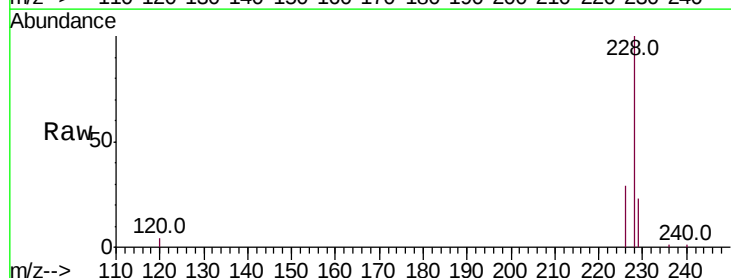
Tgt Ion:228 Resp: 184848

Ion Ratio Lower Upper

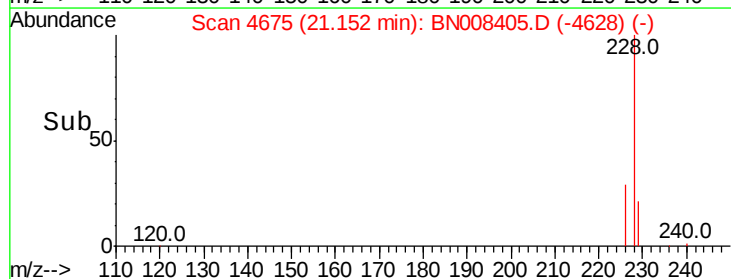
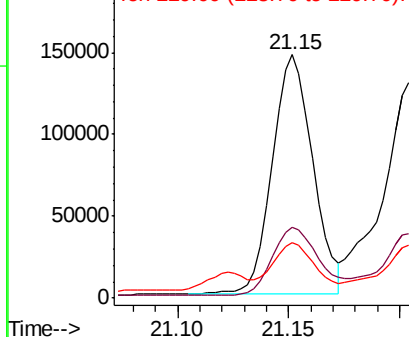
228 100

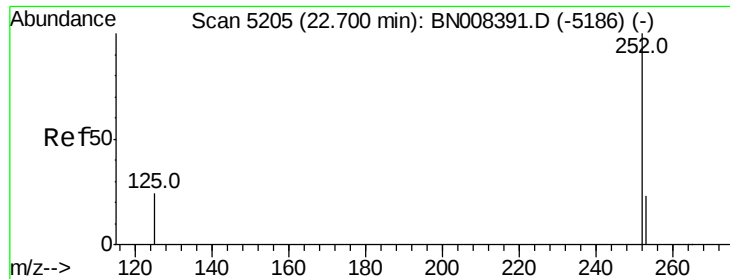
226 29.2 24.1 36.1

229 22.9 16.2 24.2



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: 11.853 ng/u1

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

Instrument :

BNA_N

ClientSampleId :

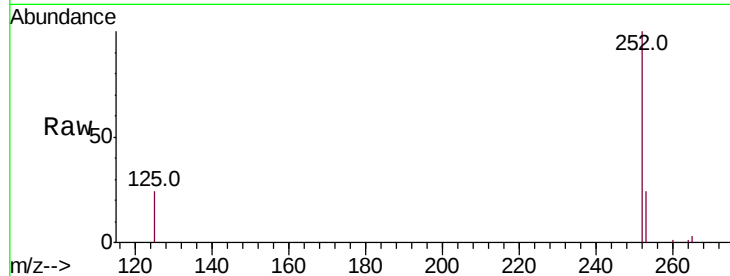
Tot Ion:252 Resp: 326308

Ion Ratio Lower Upper

252 100

253 24.3 0.0 53.4

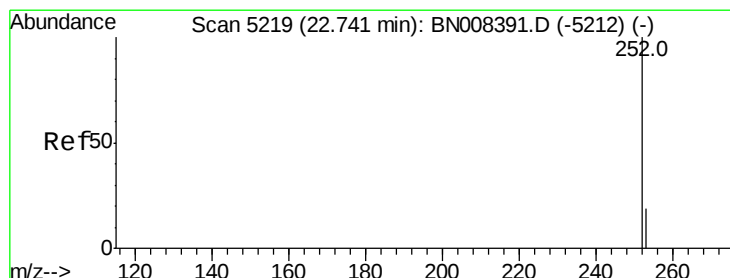
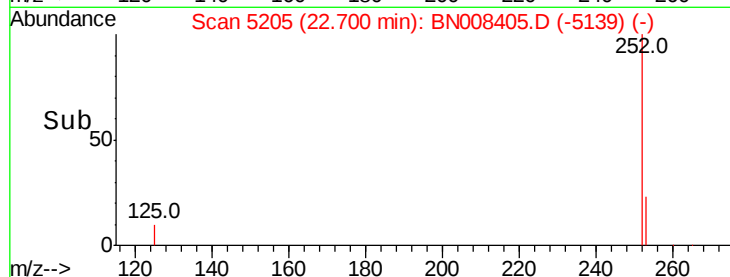
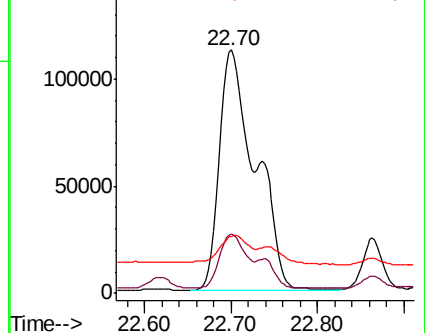
125 23.5 0.0 32.4



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



#22

Benzo(k)fluoranthene

Concen: 10.463 ng/u1

RT: 22.70 min Scan# 5205

Delta R.T. -0.05 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

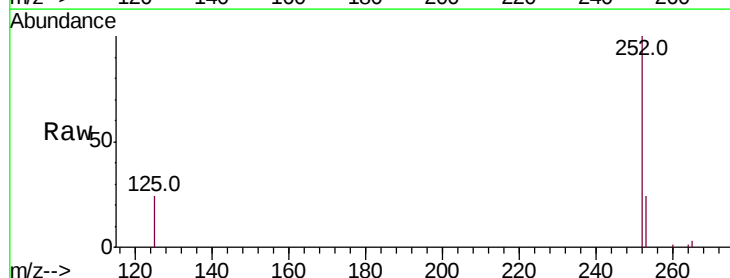
Tgt Ion:252 Resp: 326308

Ion Ratio Lower Upper

252 100

253 24.3 21.3 31.9

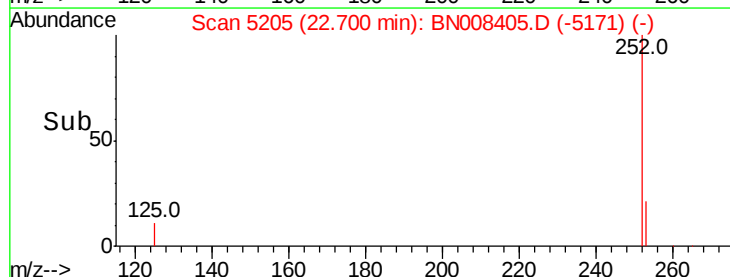
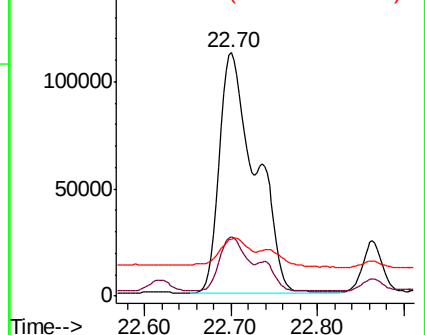
125 23.5 12.3 18.5#

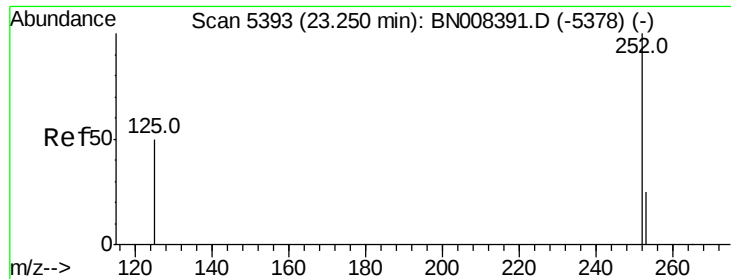


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 5.382 ng/ul

RT: 23.25 min Scan# 5393

Delta R.T. -0.01 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

Instrument :

BNA_N

ClientSampleId :

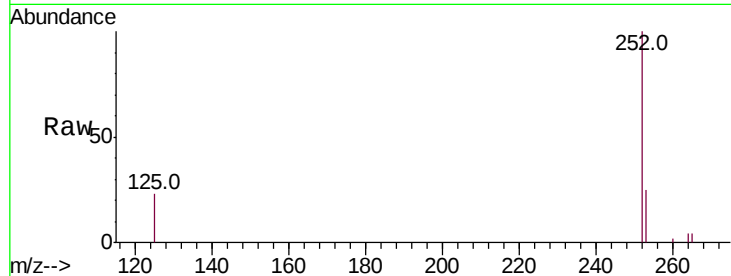
Tot Ion:252 Resp: 155931

Ion Ratio Lower Upper

252 100

253 24.6 22.8 34.2

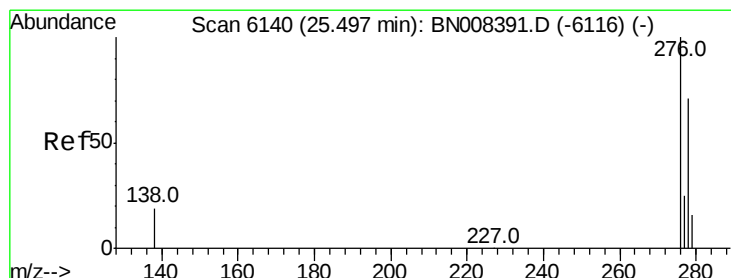
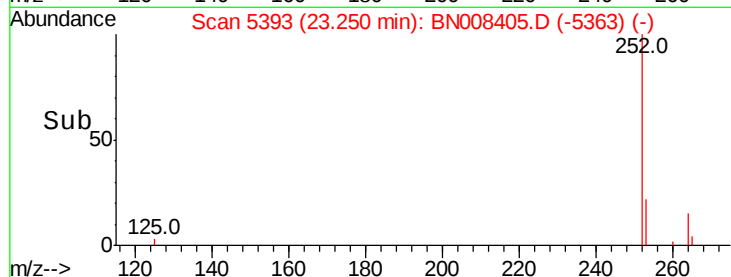
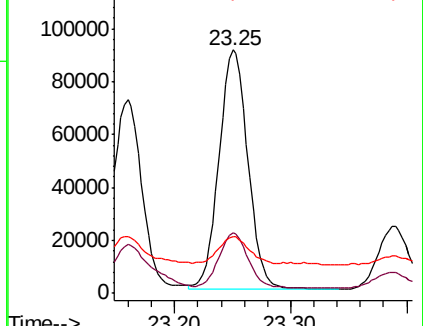
125 23.2 18.4 27.6



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: 3.670 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.02 min

Lab File: BN008405.D

Acq: 25 Oct 2019 01:34

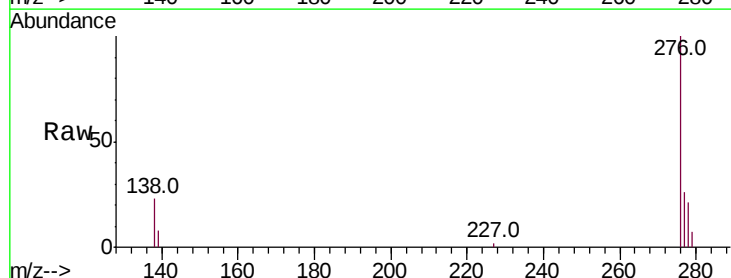
Tgt Ion:276 Resp: 125227

Ion Ratio Lower Upper

276 100

138 20.1 16.1 24.1

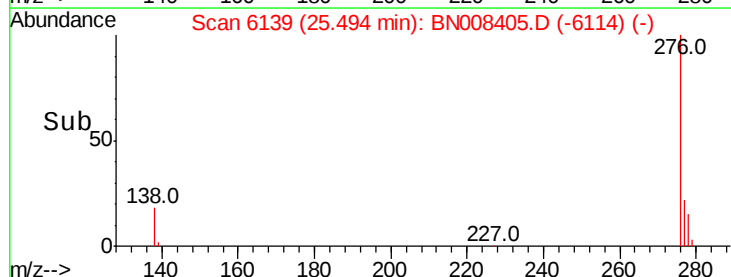
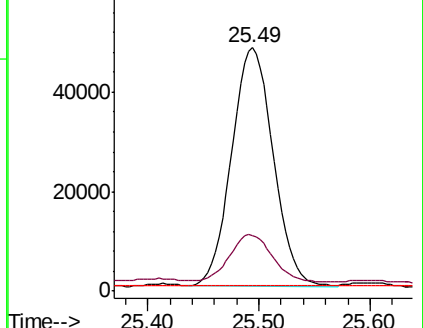
227 0.3 0.2 0.2#

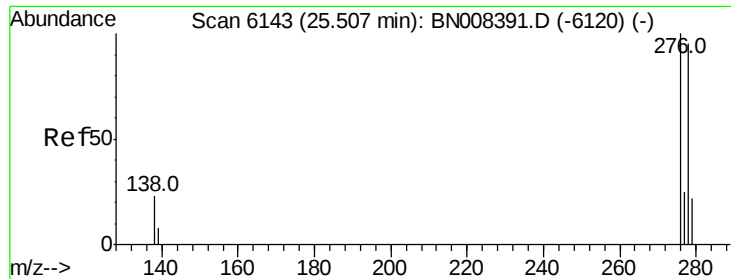


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

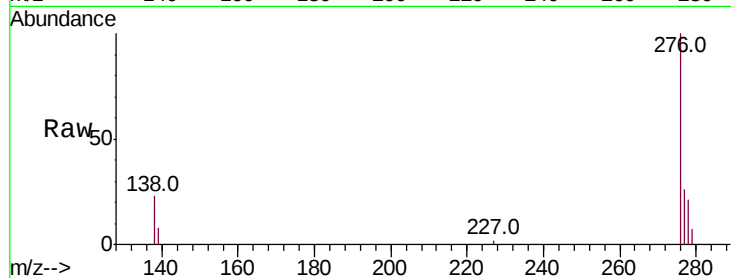




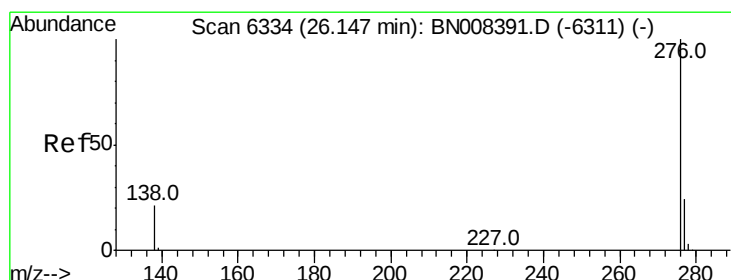
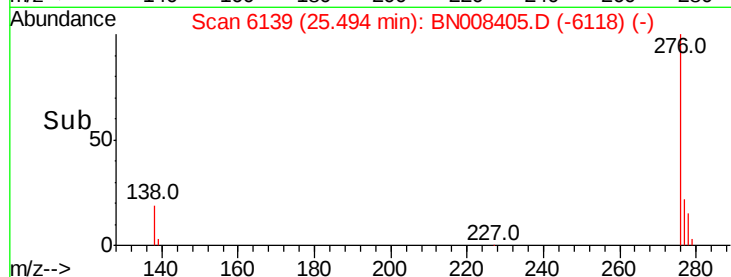
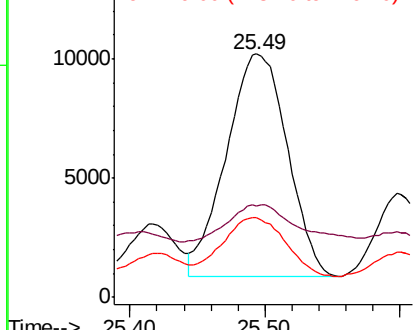
#25
Dibenzo(a,h)anthracene
Concen: 1.092 ng/ul
RT: 25.49 min Scan# 6139
Delta R.T. -0.03 min
Lab File: BN008405.D
Acq: 25 Oct 2019 01:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 29462
Ion Ratio Lower Upper
278 100
139 37.4 15.0 22.6#
279 32.9 22.4 33.6

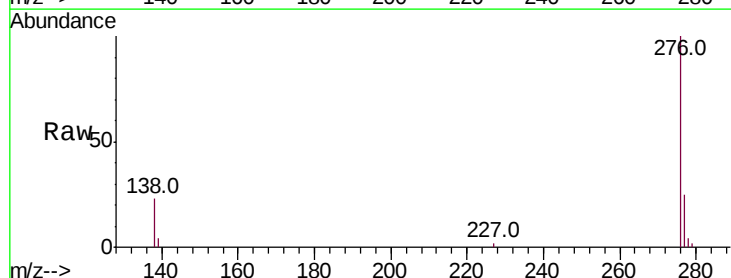


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 4.237 ng/ul
RT: 26.15 min Scan# 6335
Delta R.T. -0.02 min
Lab File: BN008405.D
Acq: 25 Oct 2019 01:34

Tgt Ion:276 Resp: 132568
Ion Ratio Lower Upper
276 100
138 23.1 17.0 25.4
277 24.8 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

