

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007455.D
 Acq On : 28 Aug 2019 05:06
 Operator : HP/JU
 Sample : K4337-10DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 28 06:35:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 02:09:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5600	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	23747	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	13425	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	28603	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	25076	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	28282	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.76	152	3056	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	8657	0.09	ng/ul	0.00

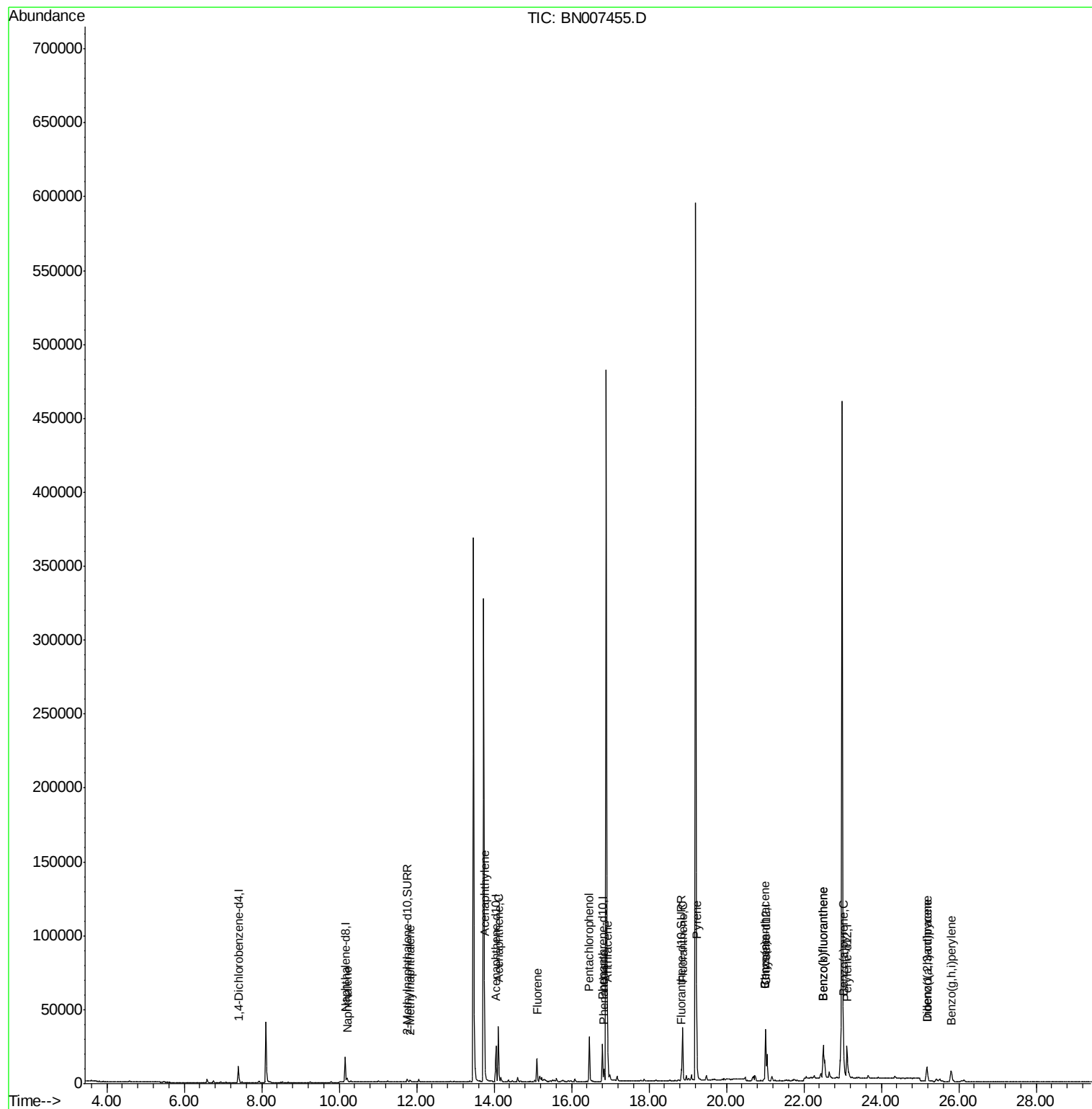
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.20	128	3697	0.055	ng/ul#	92
5) 2-Methylnaphthalene	11.83	142	1028	0.023	ng/ul	99
7) Acenaphthylene	13.76	152	6126	0.082	ng/ul#	94
8) Acenaphthene	14.11	153	21448	0.400	ng/ul	98
9) Fluorene	15.11	166	10263	0.177	ng/ul#	94
11) Pentachlorophenol	16.46	266	20553	3.190	ng/ul	99
12) Phenanthrene	16.84	178	9017	0.101	ng/ul	96
13) Anthracene	16.93	178	34222	0.407	ng/ul	99
15) Fluoranthene	18.87	202	31420	0.263	ng/ul	99
17) Pyrene	19.24	202	26275	0.214	ng/ul	100
18) Benzo(a)anthracene	21.00	228	14961	0.133	ng/ul#	90
19) Chrysene	21.00	228	14973	0.124	ng/ul	94
21) Benzo(b)fluoranthene	22.50	252	45616	0.369	ng/ul	96
22) Benzo(k)fluoranthene	22.50	252	45587	0.353	ng/ul	96
23) Benzo(a)pyrene	23.03	252	16982	0.138	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.18	276	16547	0.120	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.19	278	3718	0.034	ng/ul#	58
26) Benzo(g,h,i)perylene	25.81	276	15178	0.129	ng/ul	97

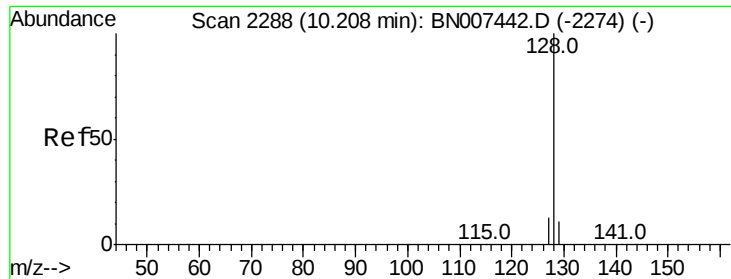
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.055 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

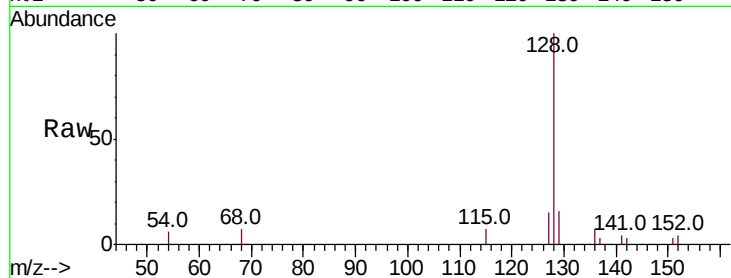
Tot Ion:128 Resp: 3697

Ion Ratio Lower Upper

128 100

129 16.0 9.2 13.8#

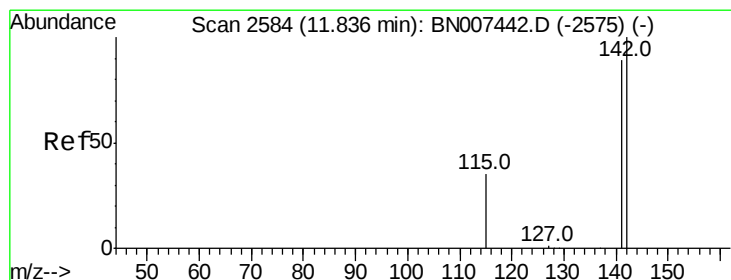
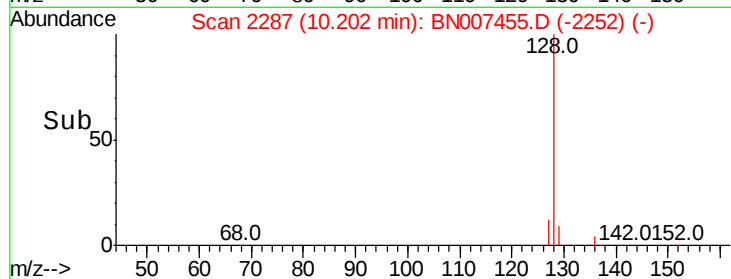
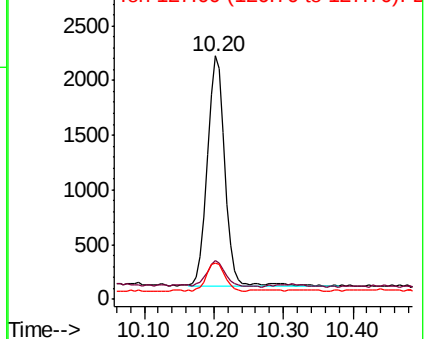
127 15.1 10.4 15.6



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: 0.023 ng/ul

RT: 11.83 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN007455.D

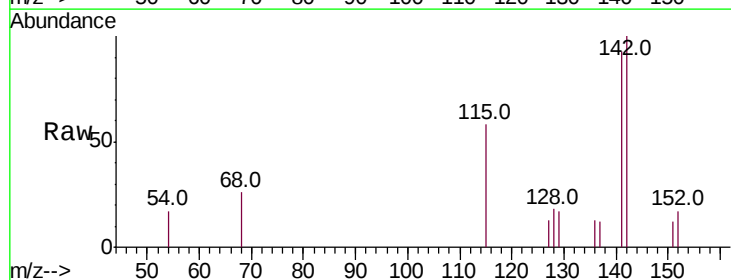
Acq: 28 Aug 2019 05:06

Tgt Ion:142 Resp: 1028

Ion Ratio Lower Upper

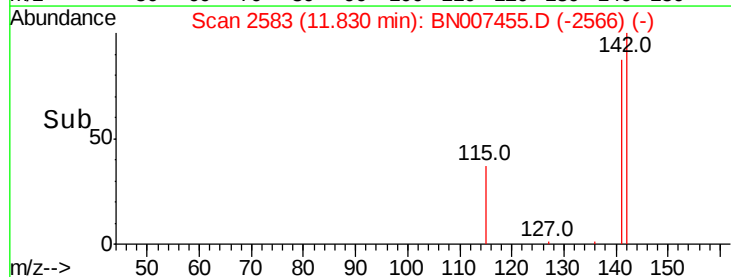
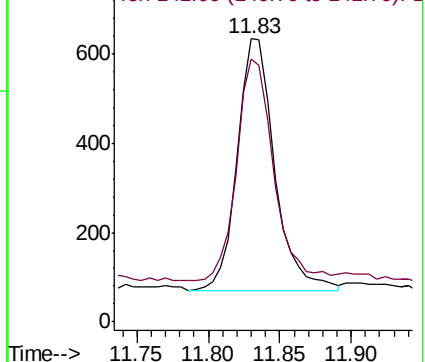
142 100

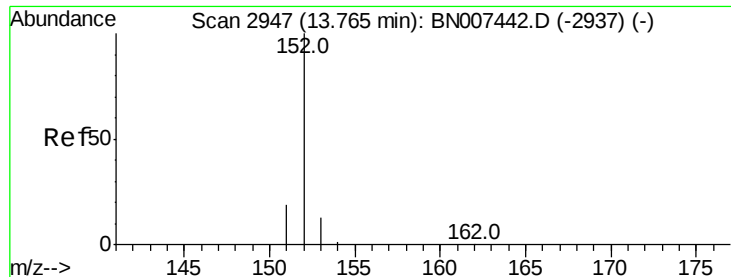
141 88.6 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.082 ng/ul

RT: 13.76 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

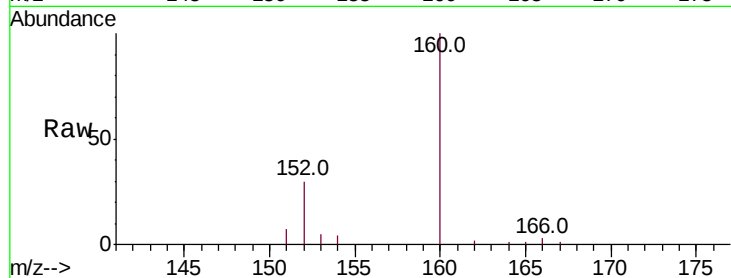
Tot Ion:152 Resp: 6126

Ion Ratio Lower Upper

152 100

151 22.1 15.8 23.6

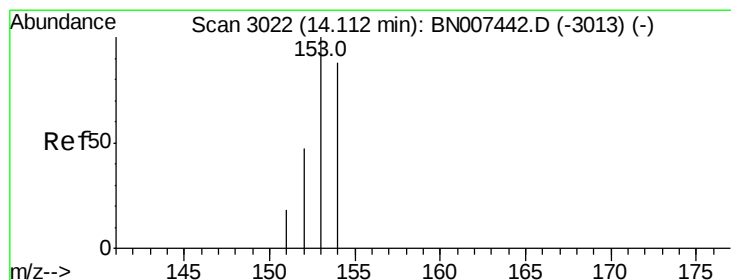
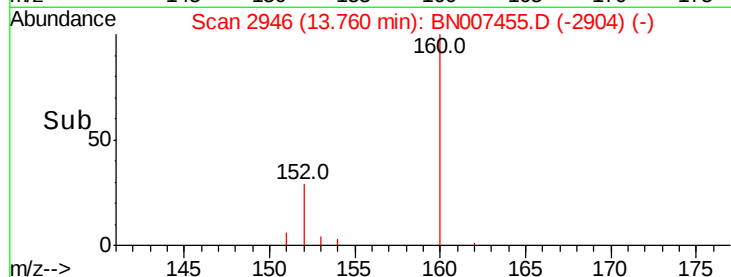
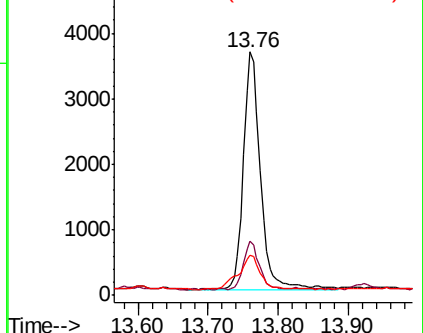
153 16.7 10.8 16.2#



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: 0.400 ng/ul

RT: 14.11 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

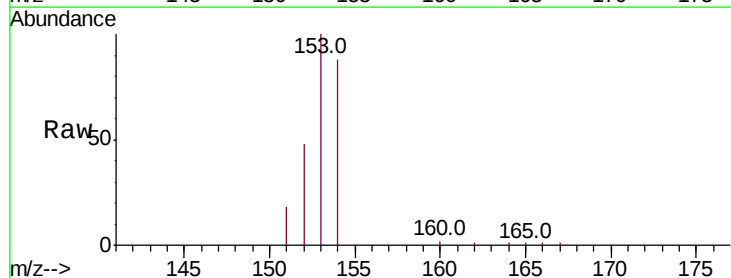
Tgt Ion:153 Resp: 21448

Ion Ratio Lower Upper

153 100

152 47.5 39.1 58.7

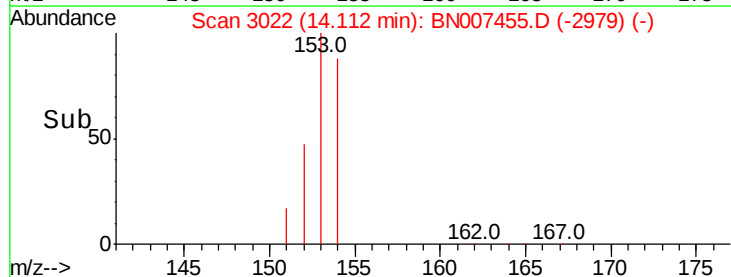
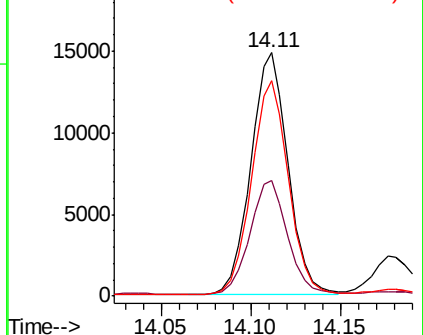
154 88.3 69.4 104.2

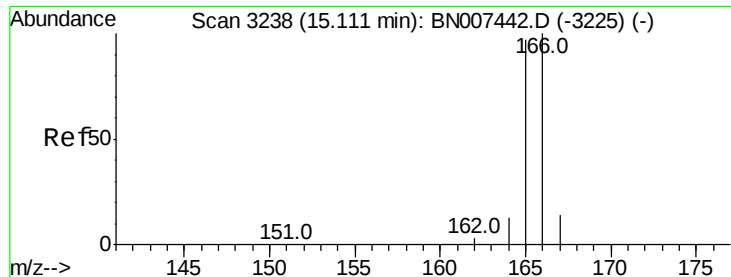


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.177 ng/ul

RT: 15.11 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

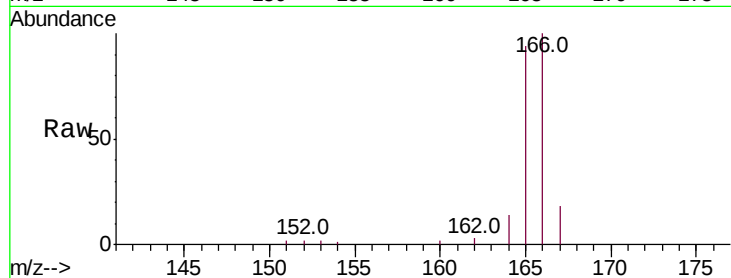
Tot Ion:166 Resp: 10263

Ion Ratio Lower Upper

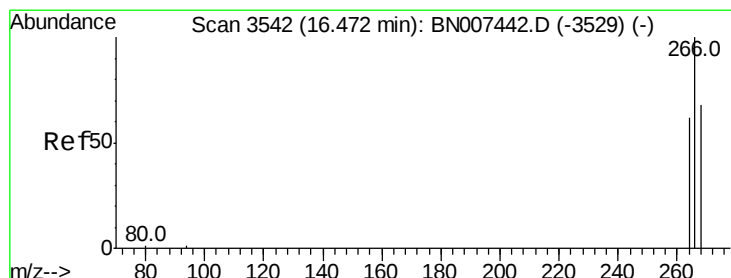
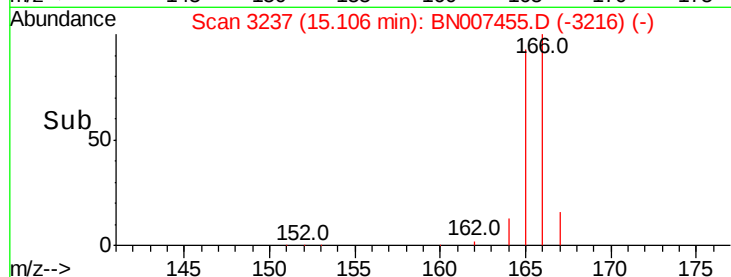
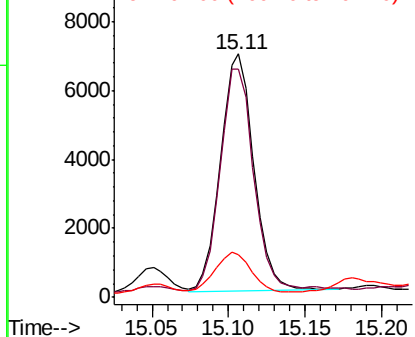
166 100

165 93.5 79.6 119.4

167 17.6 11.7 17.5#



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: 3.190 ng/ul

RT: 16.46 min Scan# 3539

Delta R.T. -0.02 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

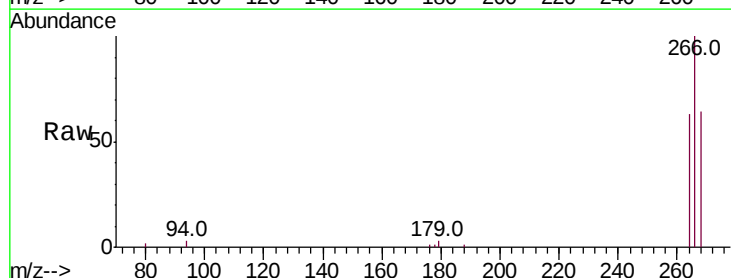
Tgt Ion:266 Resp: 20553

Ion Ratio Lower Upper

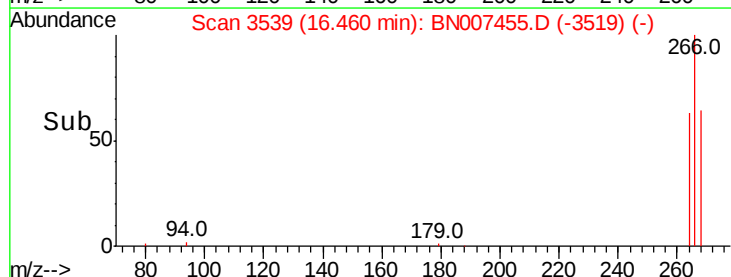
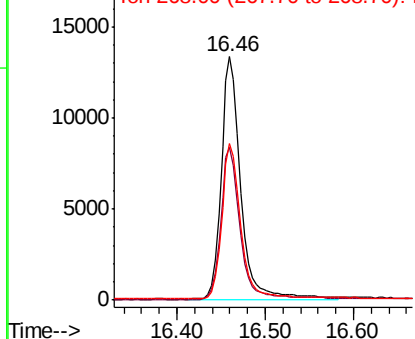
266 100

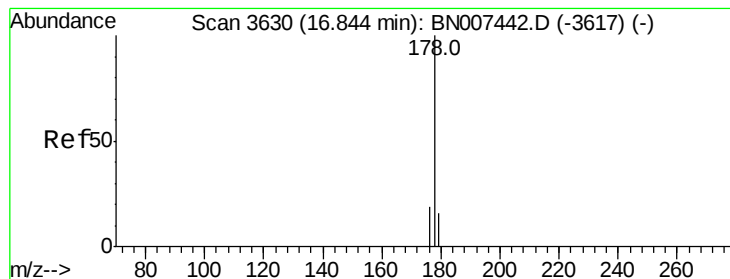
264 62.5 49.0 73.6

268 63.6 50.2 75.2



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: 0.101 ng/ul

RT: 16.84 min Scan# 3629

Delta R.T. -0.00 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

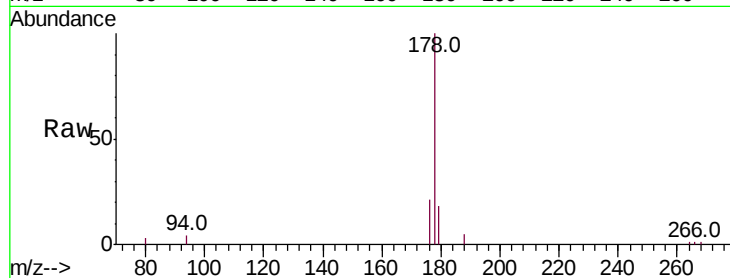
Tot Ion:178 Resp: 9017

Ion Ratio Lower Upper

178 100

179 17.5 12.8 19.2

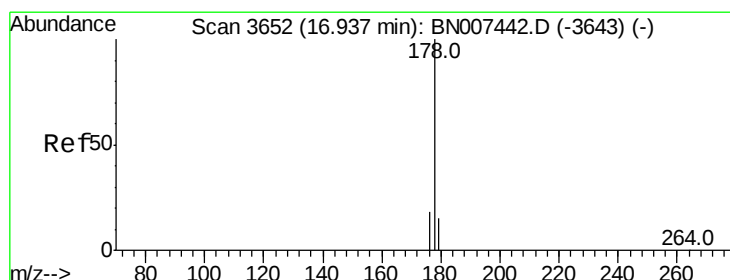
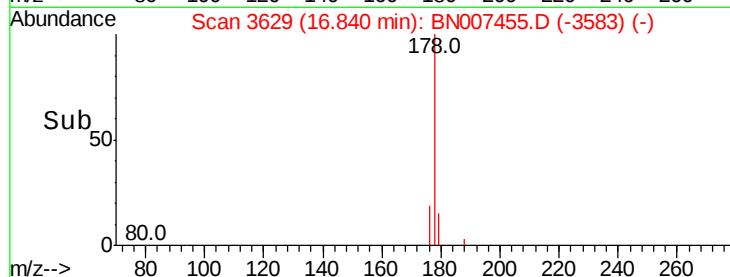
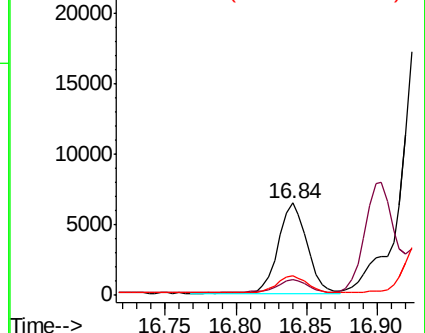
176 21.1 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.407 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. -0.00 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

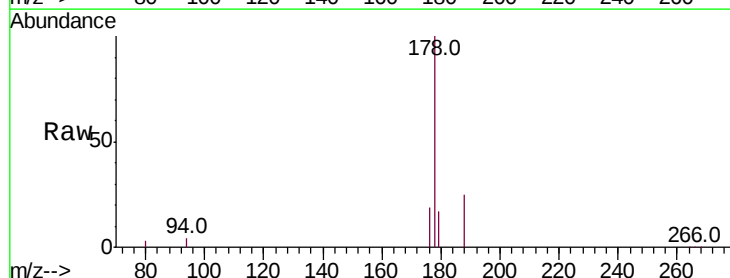
Tgt Ion:178 Resp: 34222

Ion Ratio Lower Upper

178 100

179 16.8 12.8 19.2

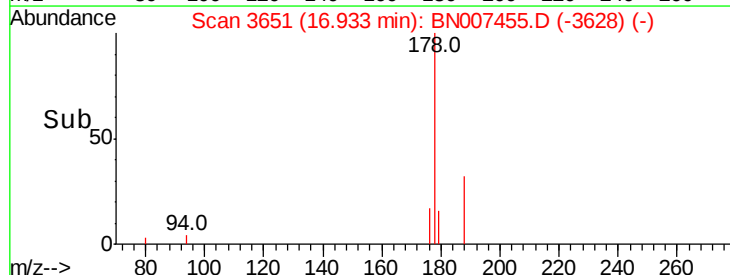
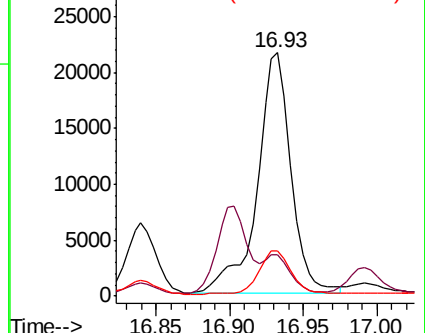
176 18.6 14.6 21.8

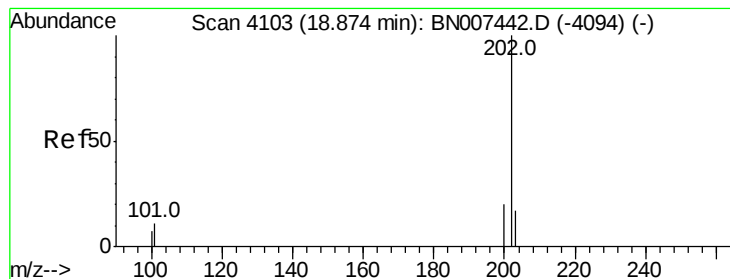


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.263 ng/ul

RT: 18.87 min Scan# 4102

Delta R.T. -0.00 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

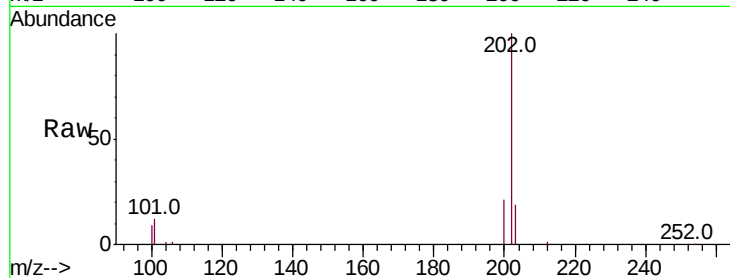
Tot Ion:202 Resp: 31420

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.3

100 9.0 0.0 28.5



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

18.87

25000

20000

15000

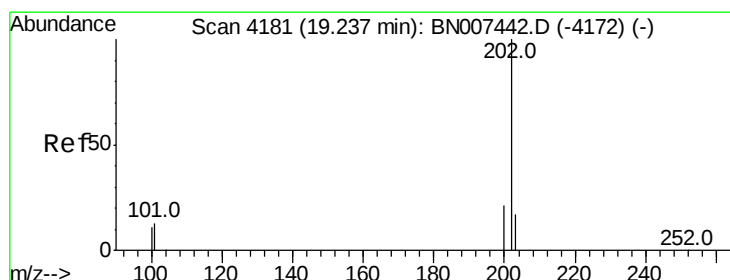
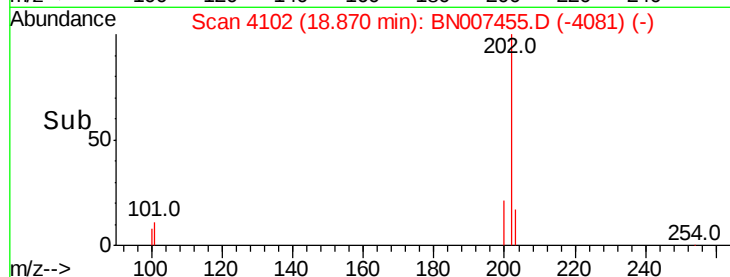
10000

5000

0

18.80 18.85 18.90 18.95

Time-->



#17

Pyrene

Concen: 0.214 ng/ul

RT: 19.24 min Scan# 4181

Delta R.T. -0.00 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

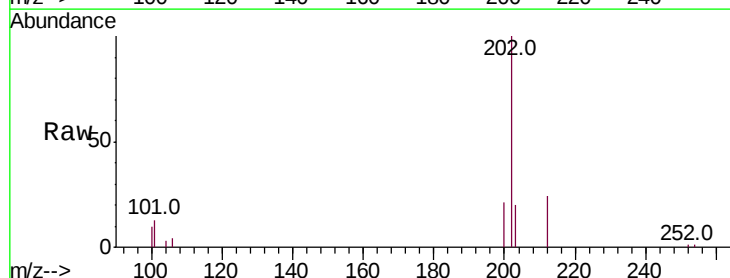
Tgt Ion:202 Resp: 26275

Ion Ratio Lower Upper

202 100

101 13.3 10.7 16.1

100 10.5 8.6 12.8



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

19.24

25000

20000

15000

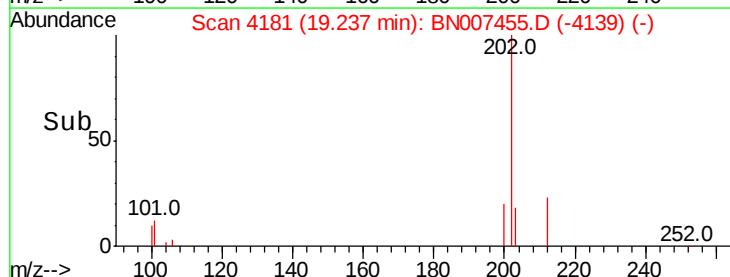
10000

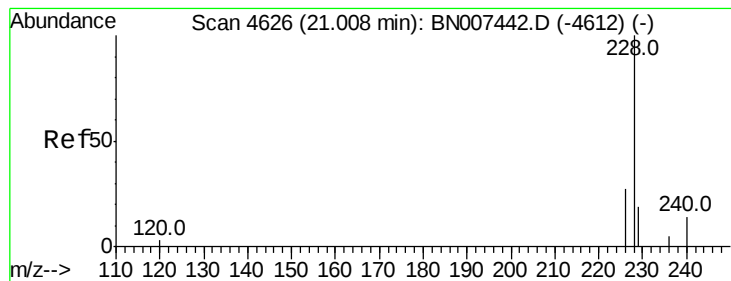
5000

0

19.10 19.20 19.30

Time-->





#18

Benzo(a)anthracene

Concen: 0.133 ng/ul

RT: 21.00 min Scan# 4624

Delta R.T. -0.01 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

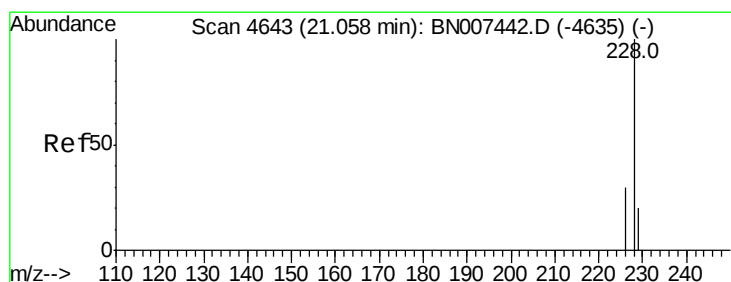
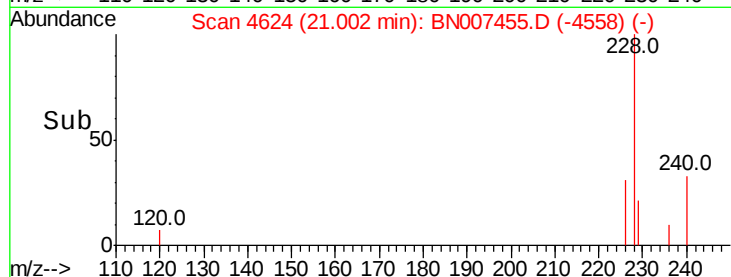
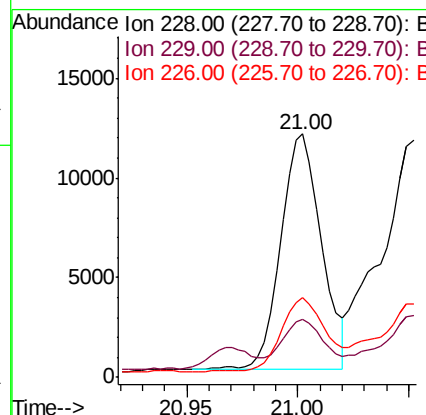
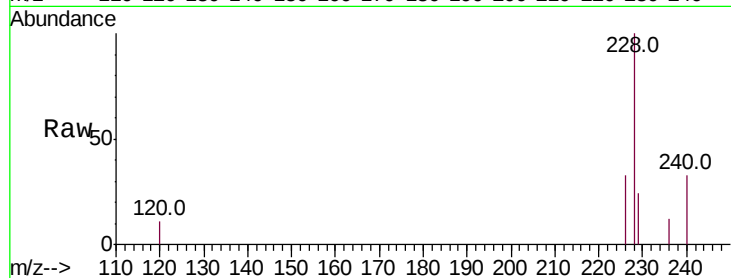
Tot Ion:228 Resp: 14961

Ion Ratio Lower Upper

228 100

229 23.8 15.4 23.2#

226 32.5 22.0 33.0



#19

Chrysene

Concen: 0.124 ng/ul

RT: 21.00 min Scan# 4624

Delta R.T. -0.06 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

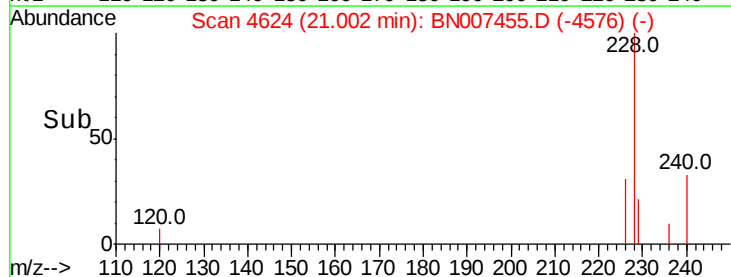
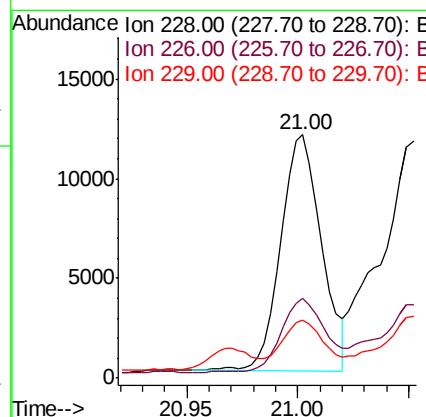
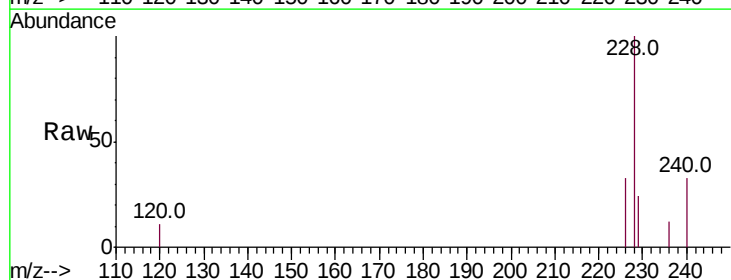
Tgt Ion:228 Resp: 14973

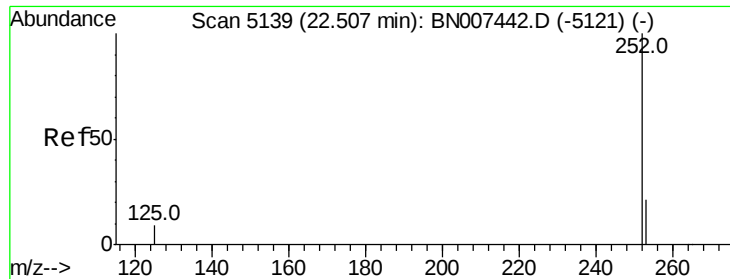
Ion Ratio Lower Upper

228 100

226 32.5 24.1 36.1

229 23.8 16.1 24.1





#21

Benzo(b)fluoranthene

Concen: 0.369 ng/ul

RT: 22.50 min Scan# 5137

Delta R.T. -0.01 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

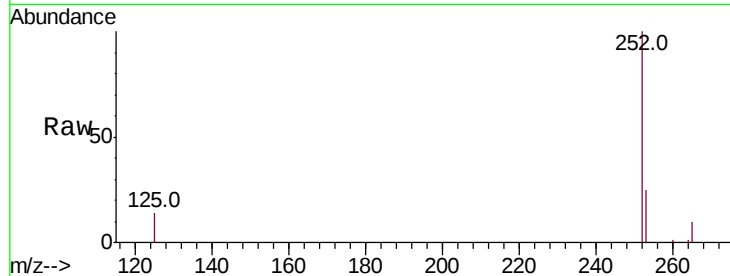
Tot Ion:252 Resp: 45616

Ion Ratio Lower Upper

252 100

253 25.3 0.0 47.0

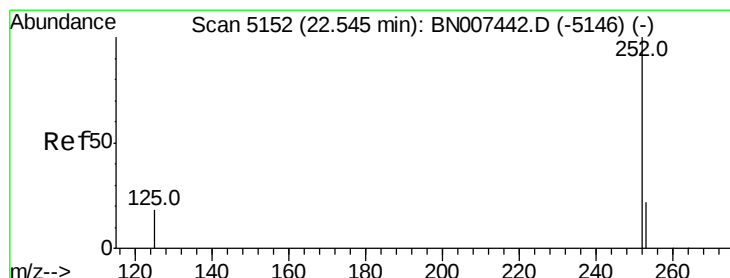
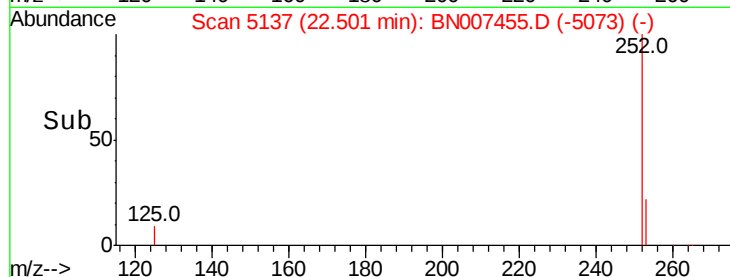
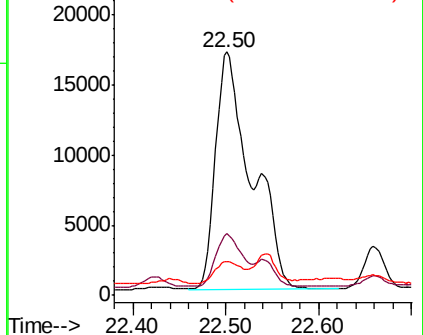
125 13.9 0.0 24.8



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: 0.353 ng/ul

RT: 22.50 min Scan# 5137

Delta R.T. -0.05 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

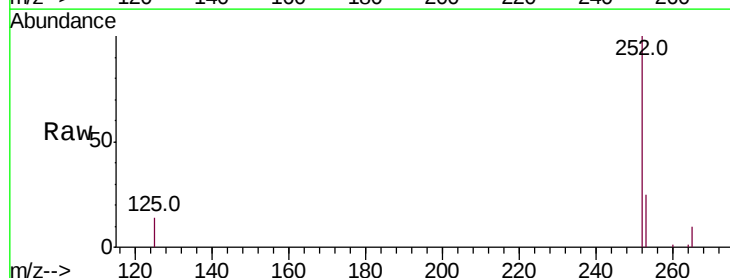
Tgt Ion:252 Resp: 45587

Ion Ratio Lower Upper

252 100

253 25.3 18.7 28.1

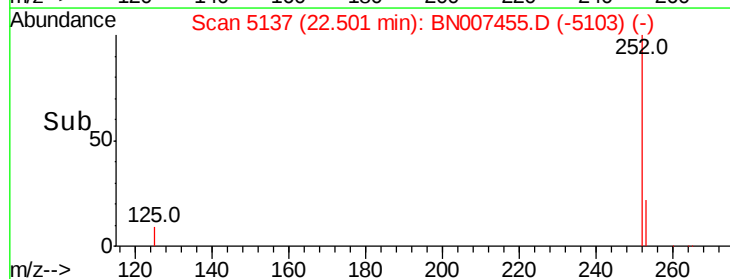
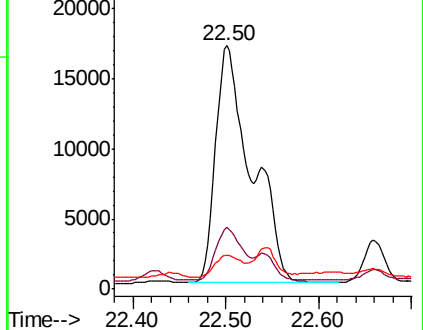
125 13.9 12.4 18.6

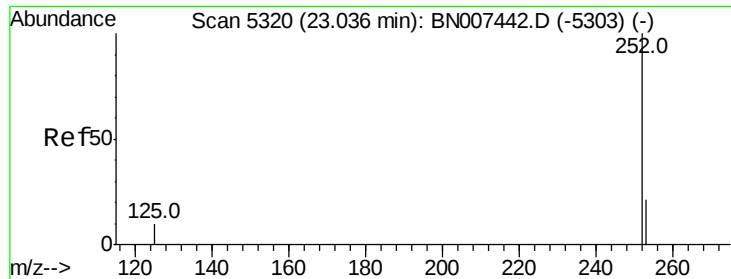


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.138 ng/ul

RT: 23.03 min Scan# 5317

Delta R.T. -0.01 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

Instrument :

BNA_N

ClientSampleId :

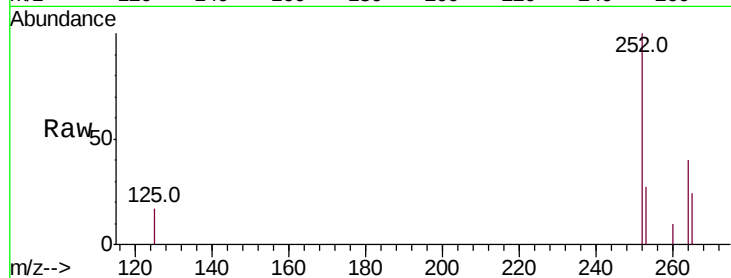
Tot Ion:252 Resp: 16982

Ion Ratio Lower Upper

252 100

253 27.3 19.0 28.6

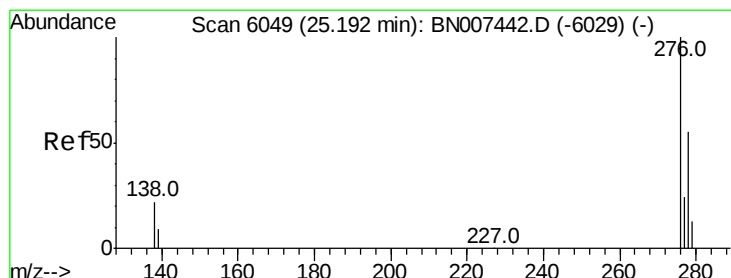
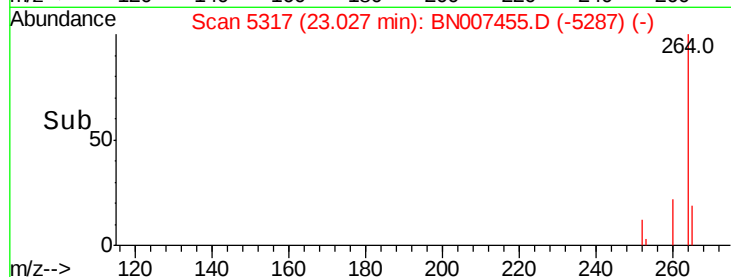
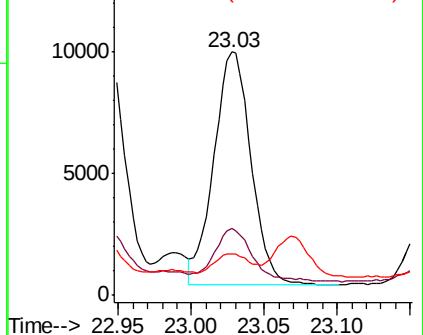
125 17.0 11.2 16.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.120 ng/ul

RT: 25.18 min Scan# 6046

Delta R.T. -0.01 min

Lab File: BN007455.D

Acq: 28 Aug 2019 05:06

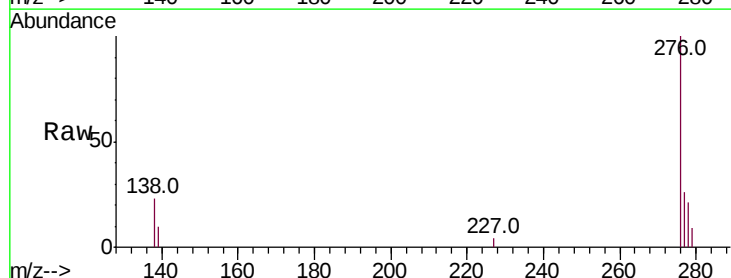
Tgt Ion:276 Resp: 16547

Ion Ratio Lower Upper

276 100

138 20.8 19.7 29.5

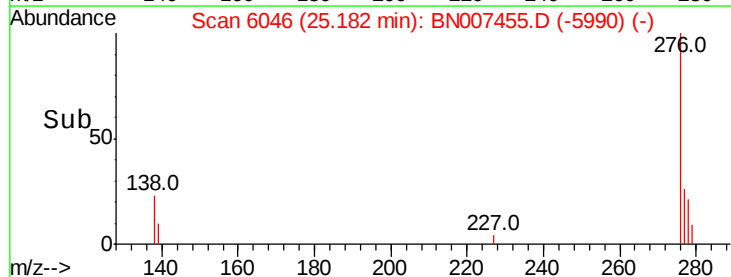
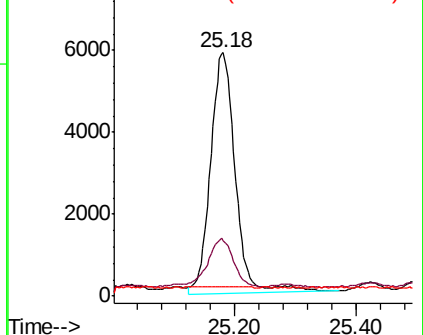
227 0.0 0.1 0.1#

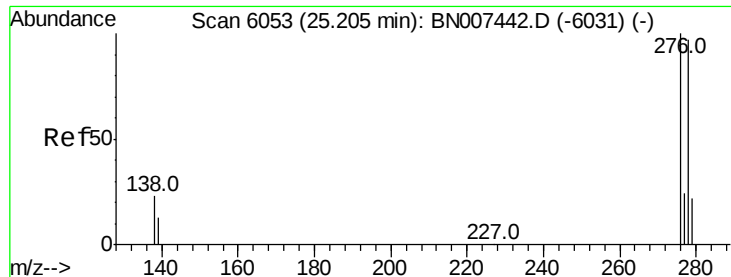


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

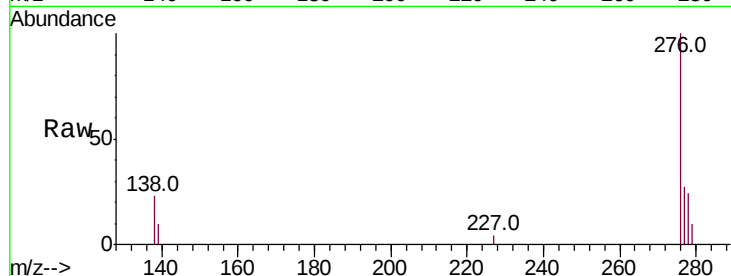




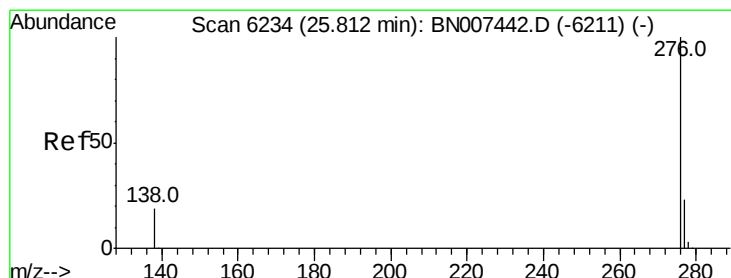
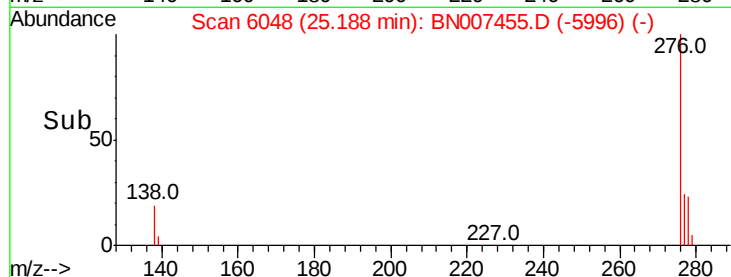
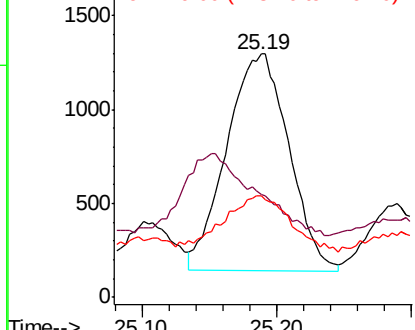
#25
Dibenzo(a,h)anthracene
Concen: 0.034 ng/ul
RT: 25.19 min Scan# 6048
Delta R.T. -0.03 min
Lab File: BN007455.D
Acq: 28 Aug 2019 05:06

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 3718
Ion Ratio Lower Upper
278 100
139 42.2 14.6 21.8#
279 41.6 19.8 29.8#

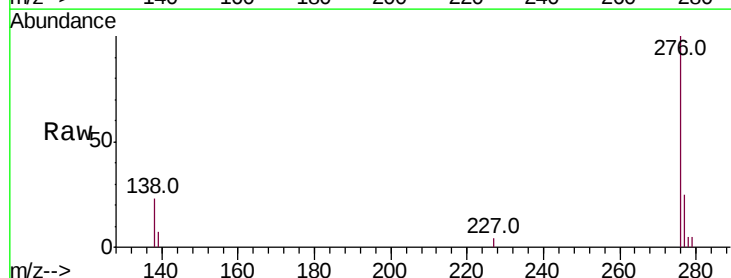


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.129 ng/ul
RT: 25.81 min Scan# 6232
Delta R.T. -0.02 min
Lab File: BN007455.D
Acq: 28 Aug 2019 05:06

Tgt Ion:276 Resp: 15178
Ion Ratio Lower Upper
276 100
138 23.2 17.1 25.7
277 25.5 19.4 29.0



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

