

Data File : BN008488.D
Acq On : 07 Nov 2019 17:14
Operator : JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.402

Quant Time: Nov 08 05:46:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 08 05:42:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1182	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	4821	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	2602	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	4421	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	3830	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	4287	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	2869	0.38	ng/ul	-0.01
14) Fluoranthene-d10	18.98	212	5493	0.42	ng/ul	0.00

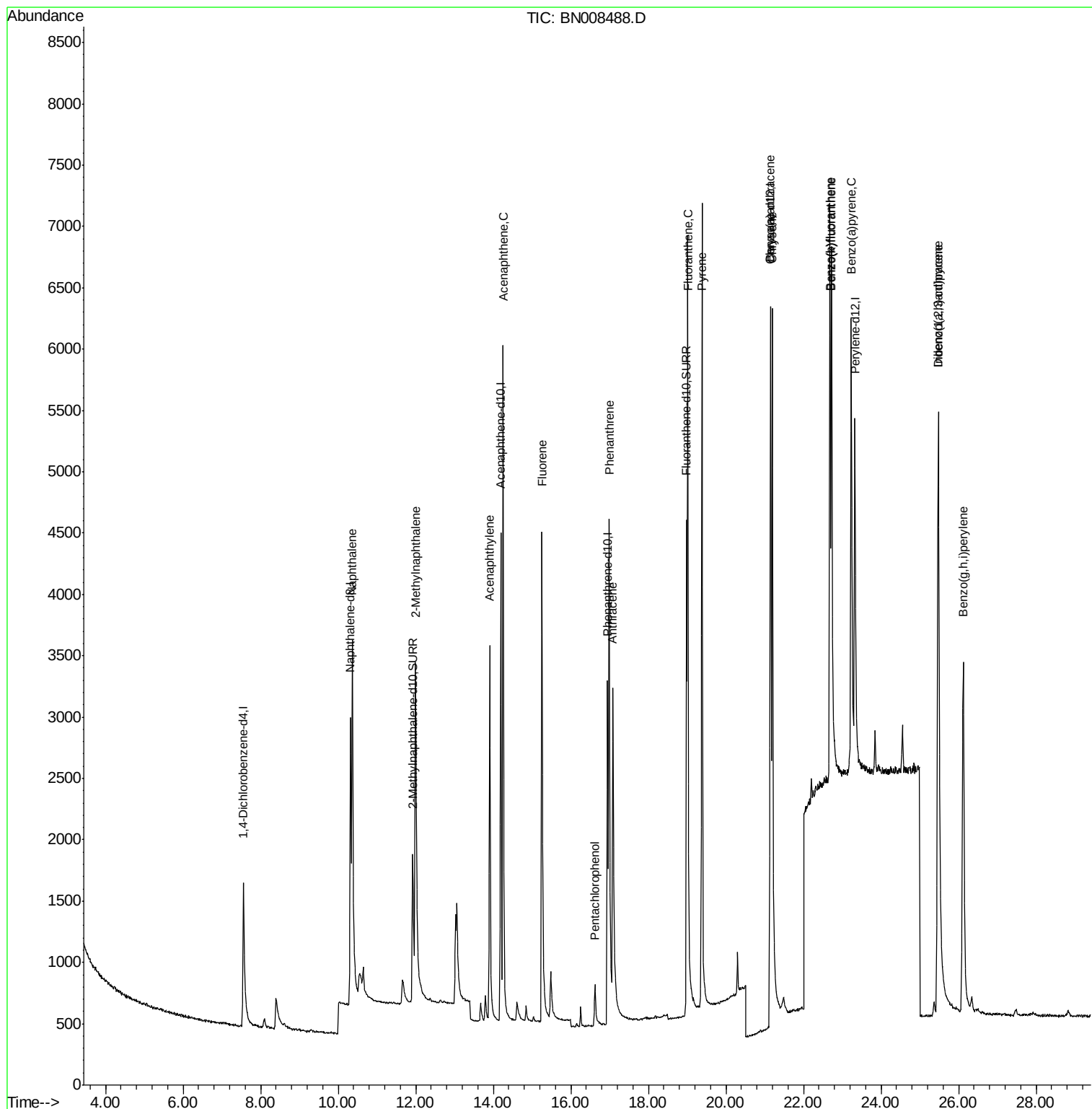
Target Compounds				Qvalue		
3) Naphthalene	10.36	128	5614	0.409	ng/ul	99
5) 2-Methylnaphthalene	12.00	142	3402	0.372	ng/ul	99
7) Acenaphthylene	13.91	152	4539	0.374	ng/ul	99
8) Acenaphthene	14.25	153	3729	0.380	ng/ul	98
9) Fluorene	15.25	166	3794	0.353	ng/ul	100
11) Pentachlorophenol	16.62	266	399	0.415	ng/ul	99
12) Phenanthrene	16.99	178	5503	0.409	ng/ul	99
13) Anthracene	17.08	178	4660	0.396	ng/ul	98
15) Fluoranthene	19.01	202	6429	0.417	ng/ul	99
17) Pyrene	19.38	202	6875	0.368	ng/ul	99
18) Benzo(a)anthracene	21.14	228	5379	0.403	ng/ul	99
19) Chrysene	21.19	228	7264	0.428	ng/ul	99
21) Benzo(b)fluoranthene	22.68	252	5992	0.375	ng/ul	94
22) Benzo(k)fluoranthene	22.72	252	7148	0.393	ng/ul	97
23) Benzo(a)pyrene	23.23	252	6430	0.400	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.47	276	7630	0.417	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.48	278	5951	0.411	ng/ul	100
26) Benzo(g,h,i)perylene	26.12	276	6859	0.419	ng/ul	99

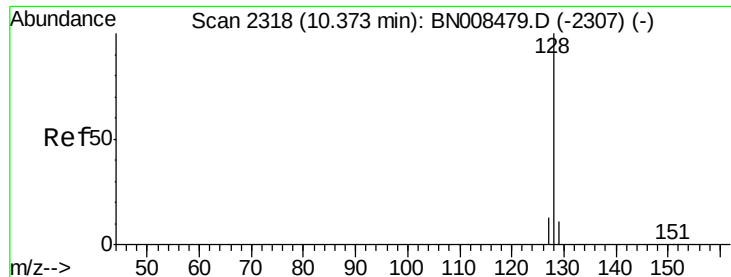
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.409 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.01 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

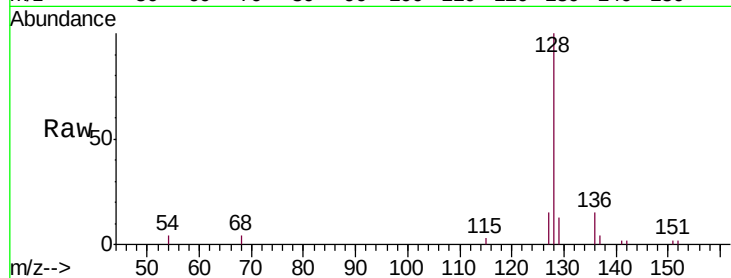
Tgt Ion:128 Resp: 5614

Ion Ratio Lower Upper

128 100

129 13.1 10.0 15.0

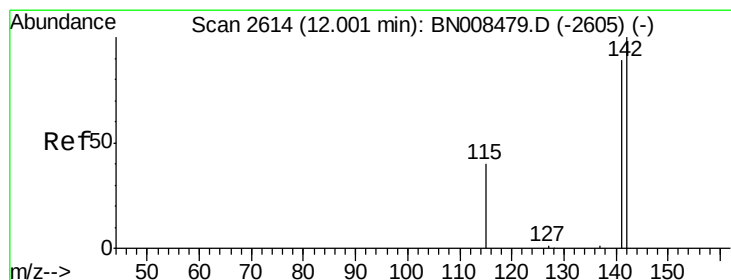
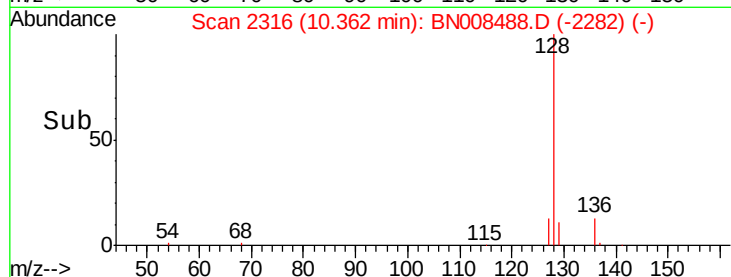
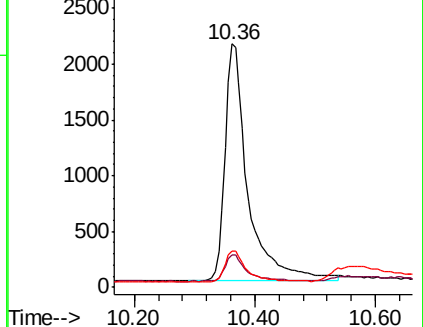
127 15.1 11.6 17.4



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: 0.372 ng/ul

RT: 12.00 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BN008488.D

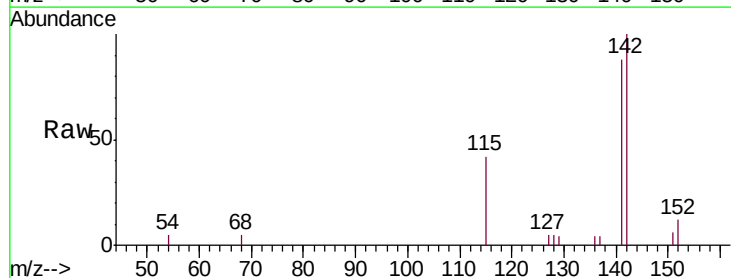
Acq: 07 Nov 2019 17:14

Tgt Ion:142 Resp: 3402

Ion Ratio Lower Upper

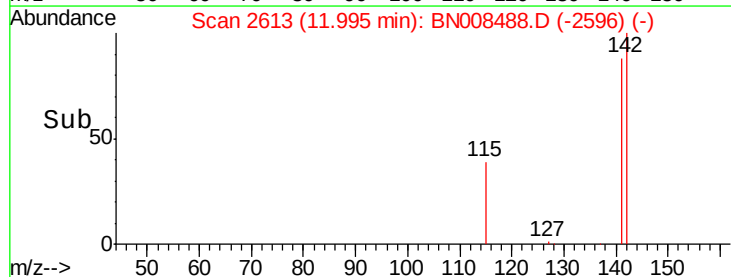
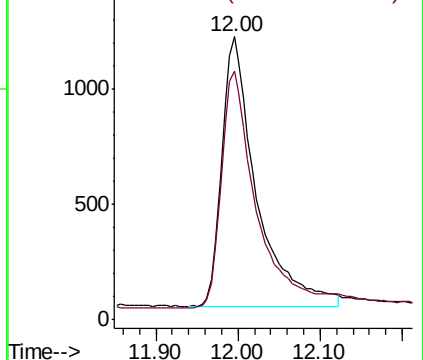
142 100

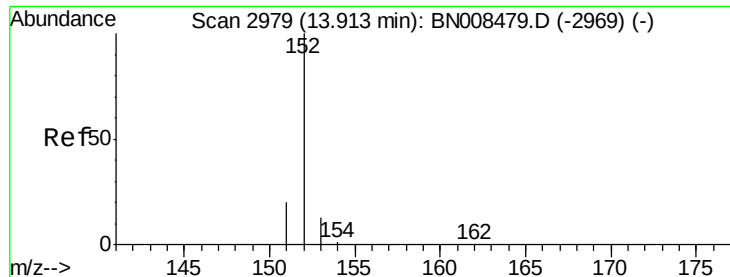
141 89.8 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.374 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

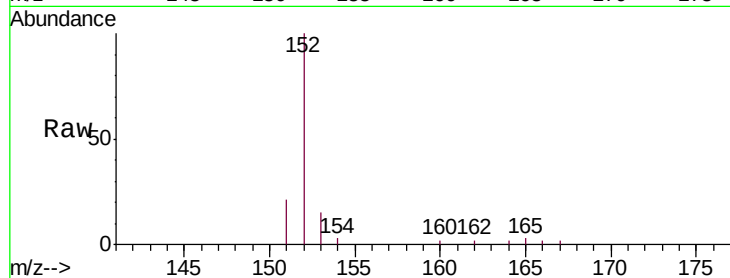
Tgt Ion:152 Resp: 4539

Ion Ratio Lower Upper

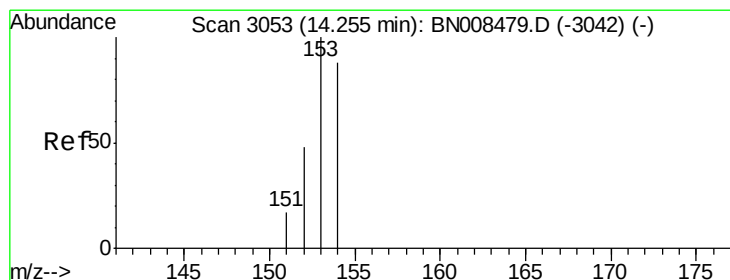
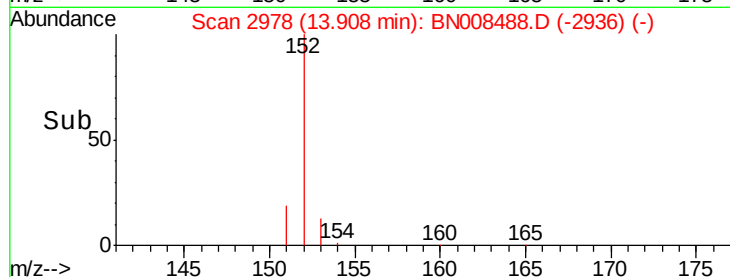
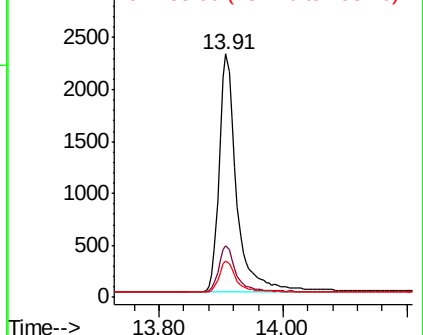
152 100

151 21.2 16.7 25.1

153 14.8 11.4 17.2



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: 0.380 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

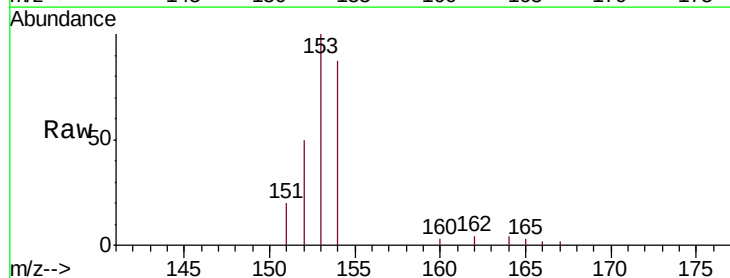
Tgt Ion:153 Resp: 3729

Ion Ratio Lower Upper

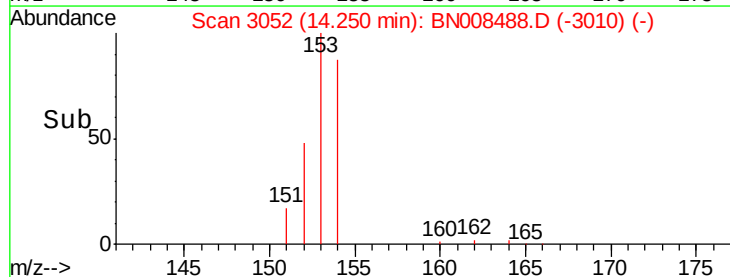
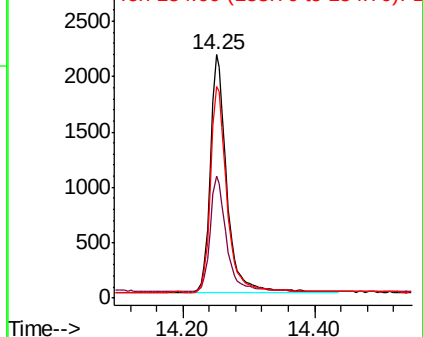
153 100

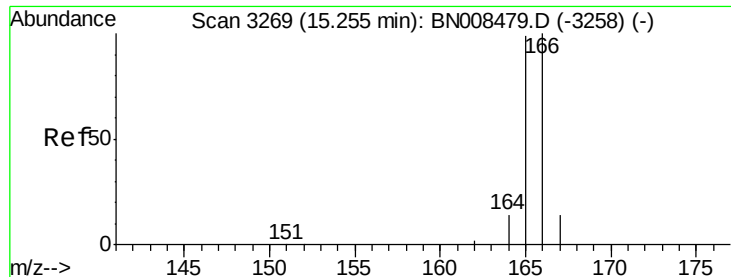
152 49.9 39.8 59.8

154 86.9 71.6 107.4



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: 0.353 ng/ul

RT: 15.25 min Scan# 3269

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

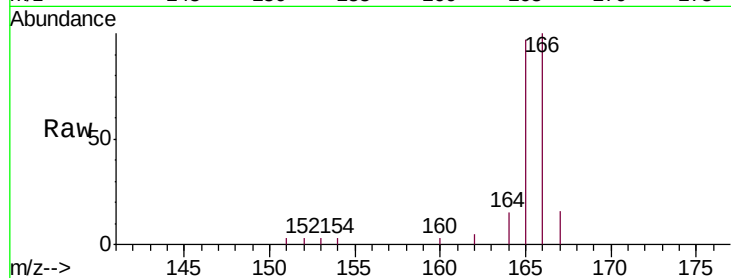
Tgt Ion:166 Resp: 3794

Ion Ratio Lower Upper

166 100

165 97.3 78.2 117.2

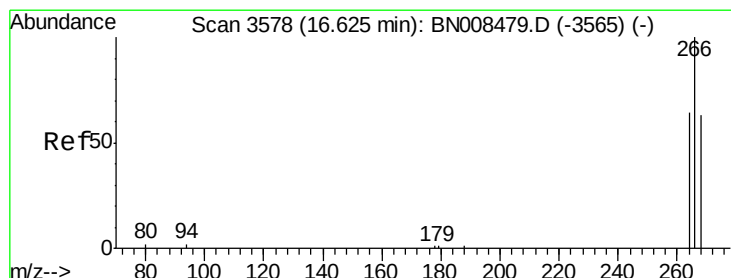
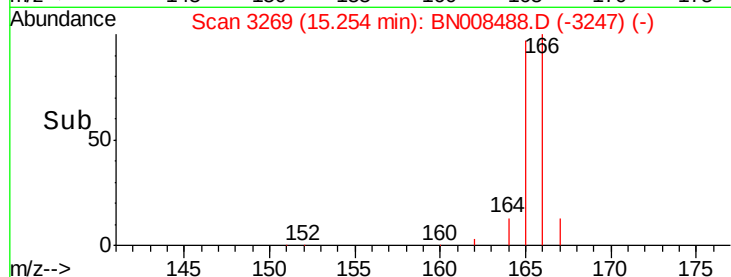
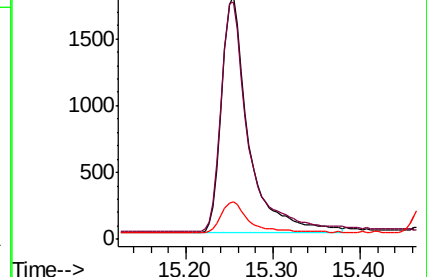
167 15.6 12.1 18.1



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: 0.415 ng/ul

RT: 16.62 min Scan# 3577

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

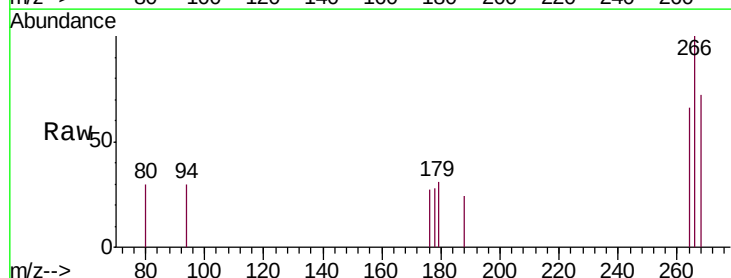
Tgt Ion:266 Resp: 399

Ion Ratio Lower Upper

266 100

264 61.9 49.8 74.8

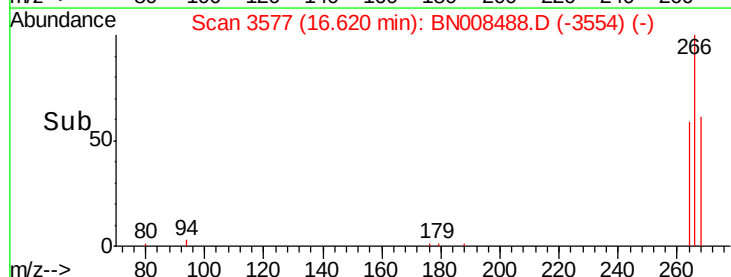
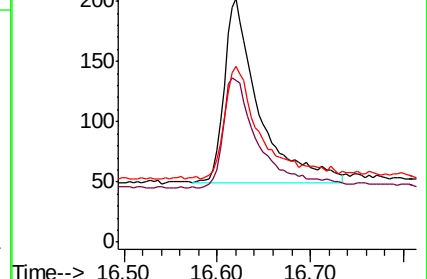
268 62.9 51.0 76.6

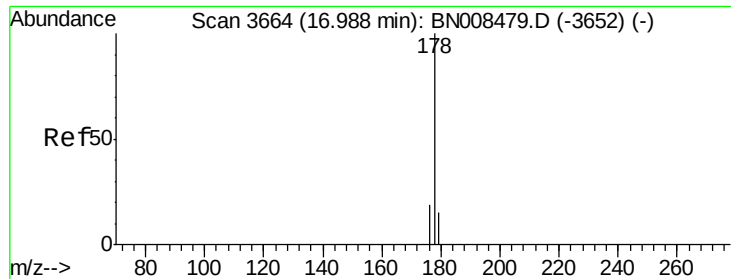


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.409 ng/ul

RT: 16.99 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

Instrument :

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ClientSampleId :

SSTD0.402

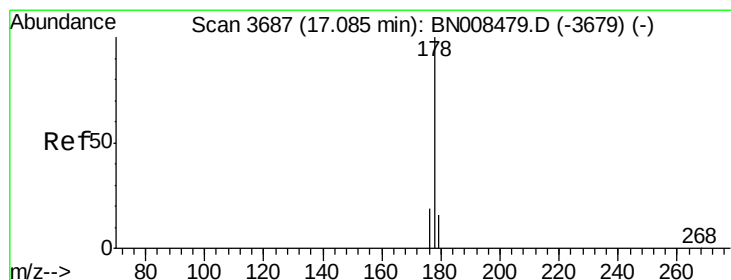
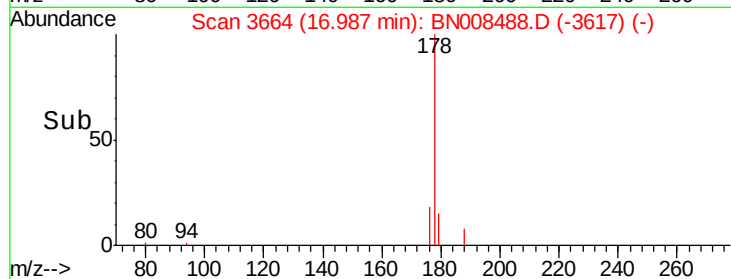
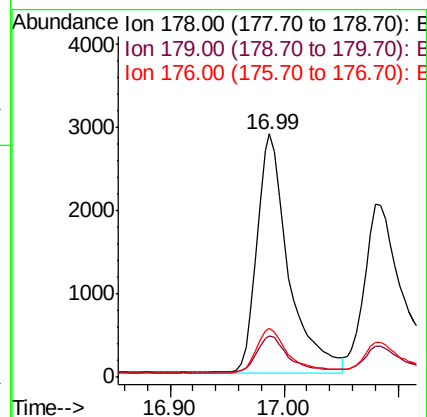
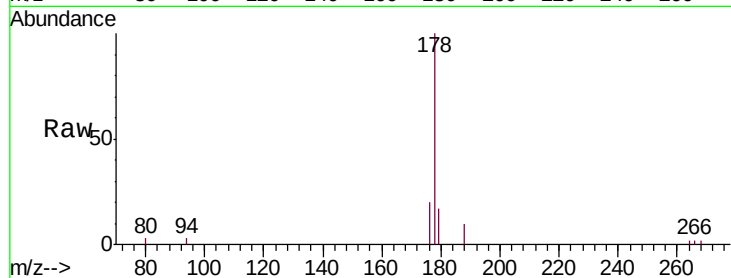
Tgt Ion:178 Resp: 5503

Ion Ratio Lower Upper

178 100

179 17.0 13.2 19.8

176 19.9 15.6 23.4



#13

Anthracene

Concen: 0.396 ng/ul

RT: 17.08 min Scan# 3686

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

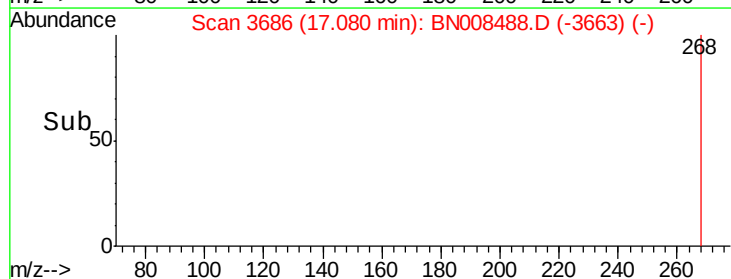
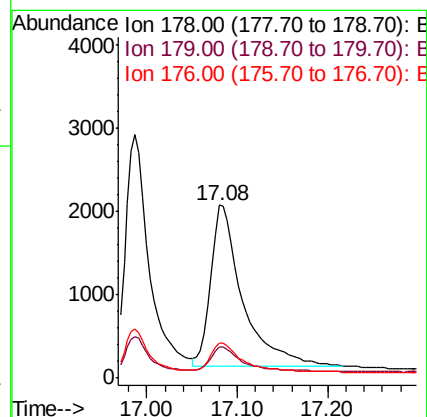
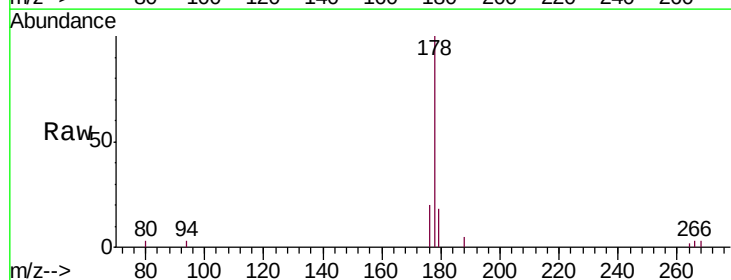
Tgt Ion:178 Resp: 4660

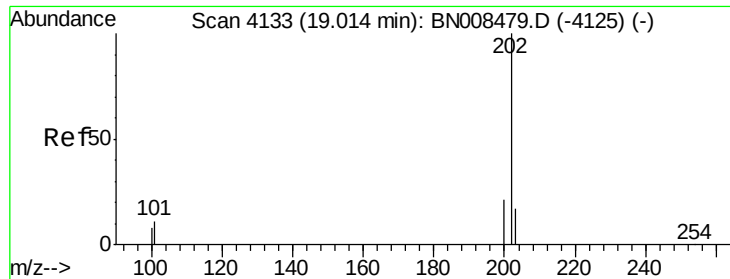
Ion Ratio Lower Upper

178 100

179 18.0 13.7 20.5

176 20.2 15.7 23.5





#15

Fluoranthene

Concen: 0.417 ng/ul

RT: 19.01 min Scan# 4133

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

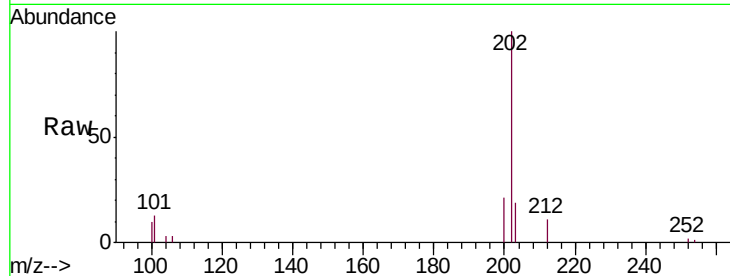
Tgt Ion:202 Resp: 6429

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.0

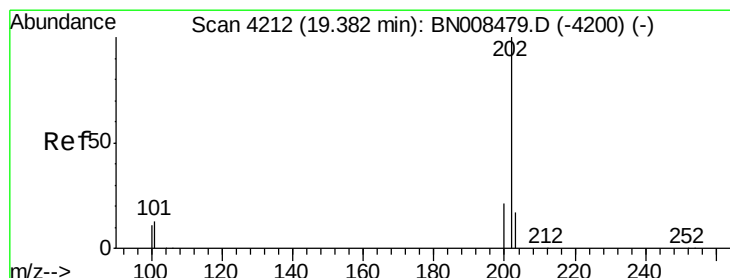
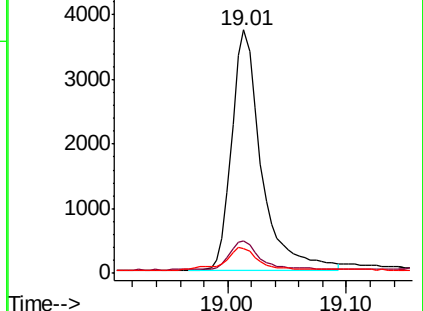
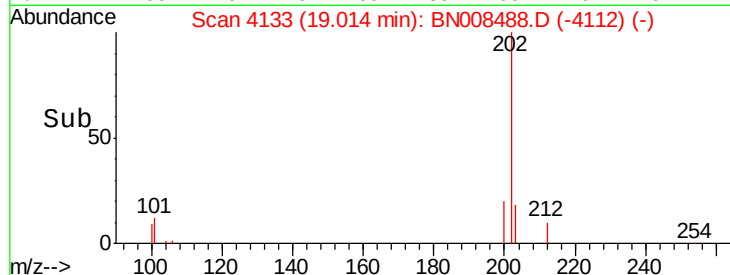
100 10.4 0.0 30.2



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: 0.368 ng/ul

RT: 19.38 min Scan# 4212

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

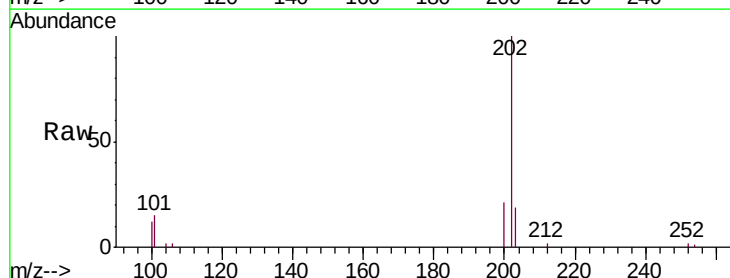
Tgt Ion:202 Resp: 6875

Ion Ratio Lower Upper

202 100

101 14.7 11.6 17.4

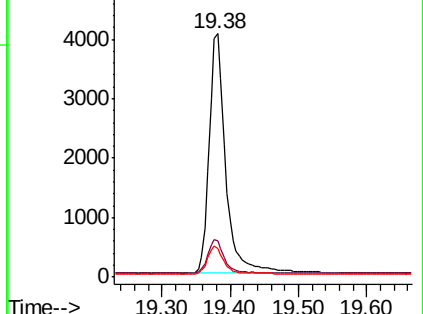
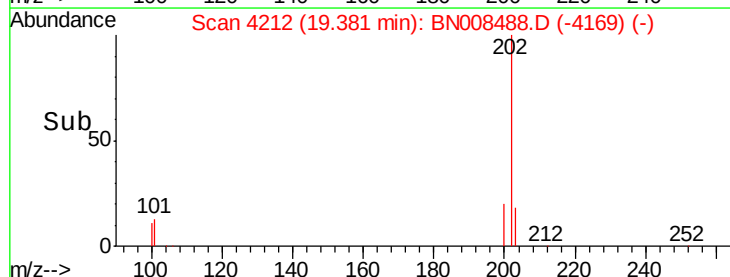
100 11.9 9.4 14.0

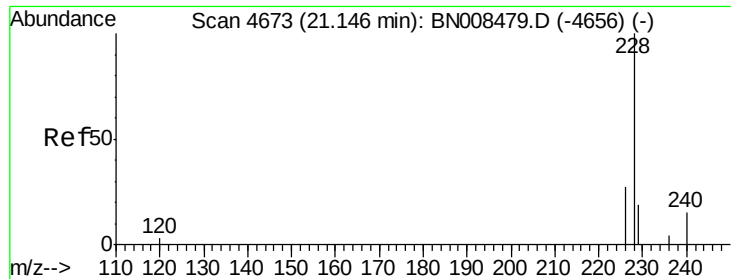


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.403 ng/ul

RT: 21.14 min Scan# 4672

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

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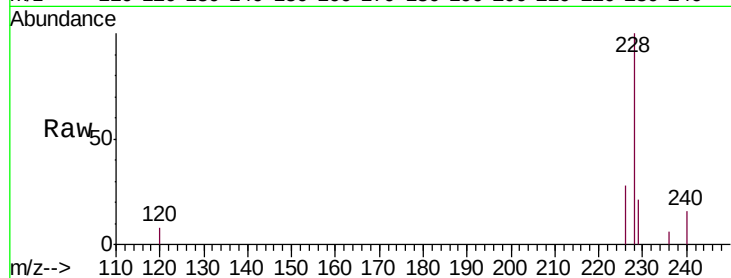
Tgt Ion:228 Resp: 5379

Ion Ratio Lower Upper

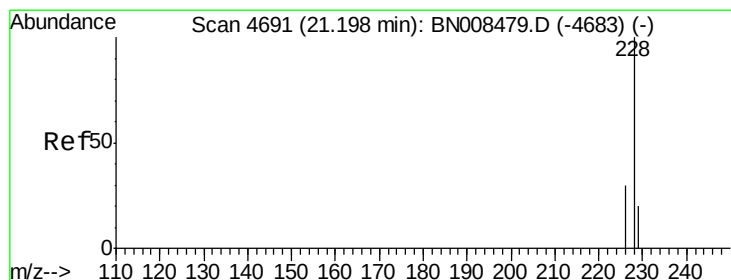
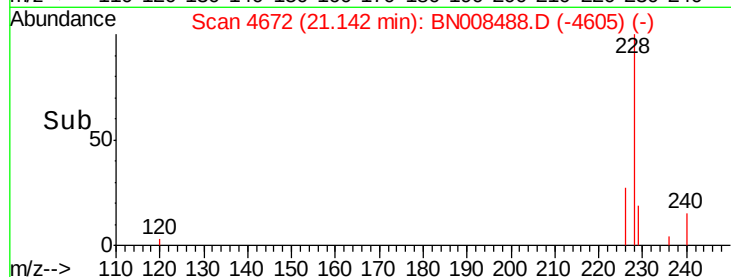
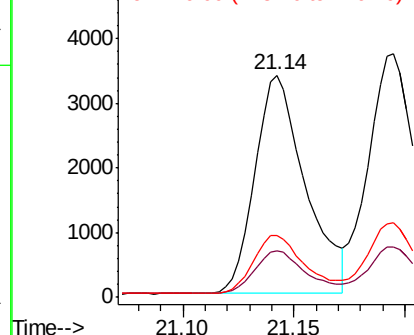
228 100

229 20.8 16.6 24.8

226 27.9 22.8 34.2



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: 0.428 ng/ul

RT: 21.19 min Scan# 4690

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

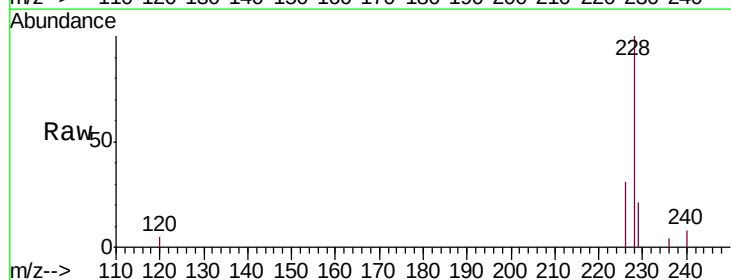
Tgt Ion:228 Resp: 7264

Ion Ratio Lower Upper

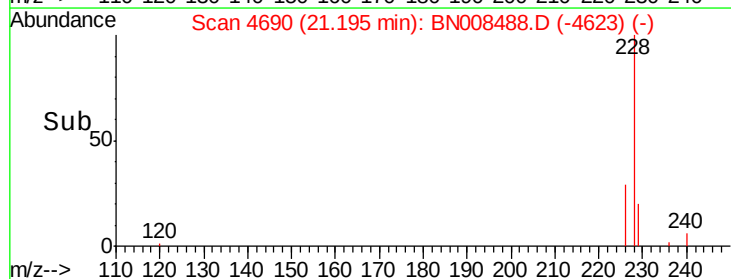
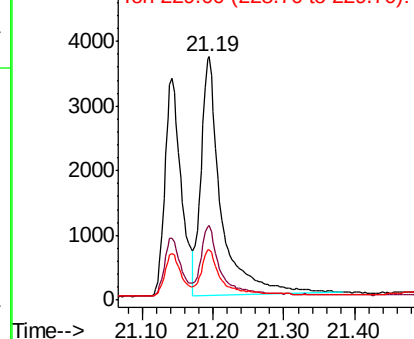
228 100

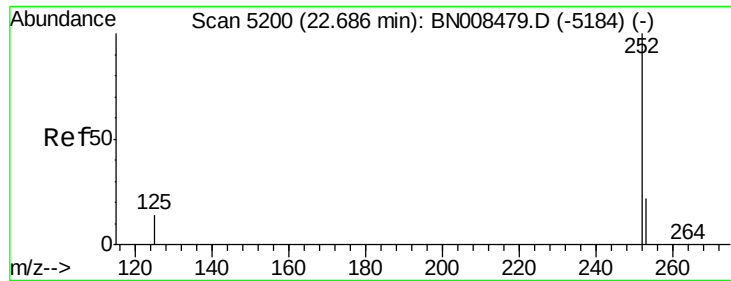
226 30.6 24.9 37.3

229 20.9 16.6 25.0



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





#21

Benzo(b)fluoranthene

Concen: 0.375 ng/ul

RT: 22.68 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BN008488.D

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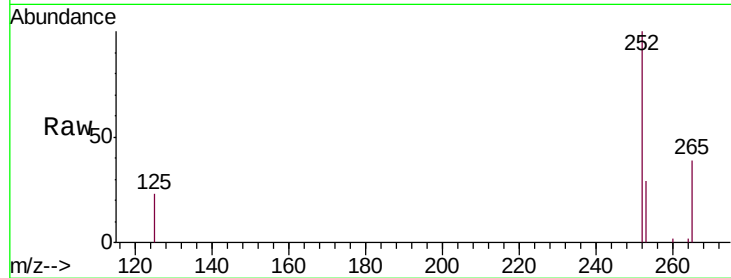
Tgt Ion:252 Resp: 5992

Ion Ratio Lower Upper

252 100

253 29.3 0.0 58.4

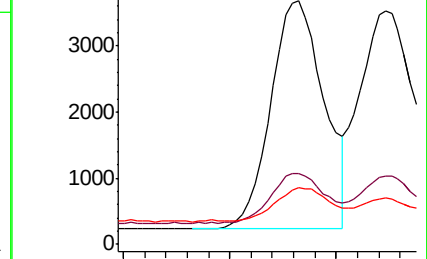
125 23.2 0.0 58.6



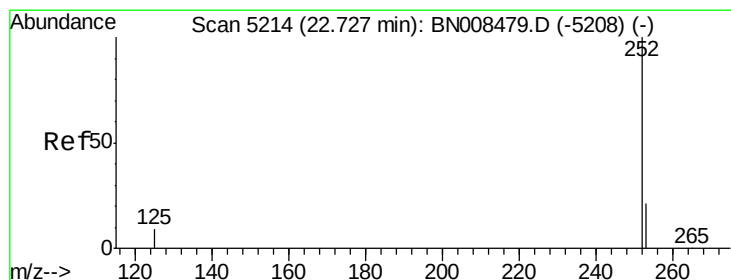
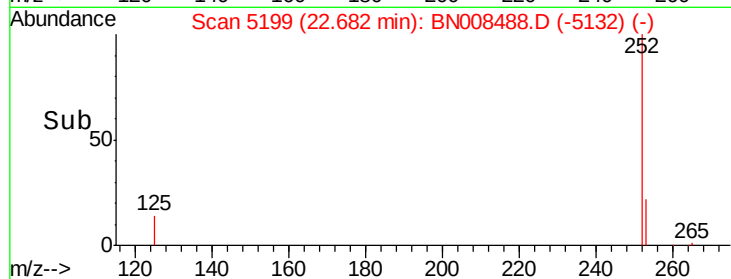
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.60 22.65 22.70



#22

Benzo(k)fluoranthene

Concen: 0.393 ng/ul

RT: 22.72 min Scan# 5213

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

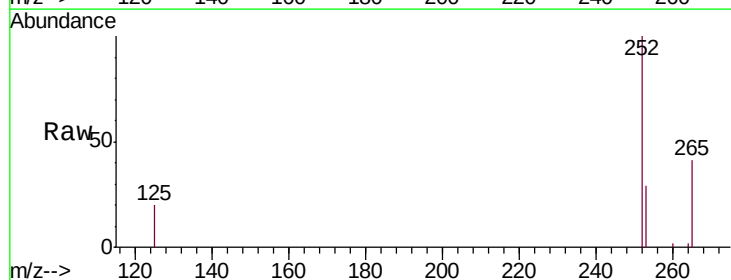
Tgt Ion:252 Resp: 7148

Ion Ratio Lower Upper

252 100

253 29.5 22.6 34.0

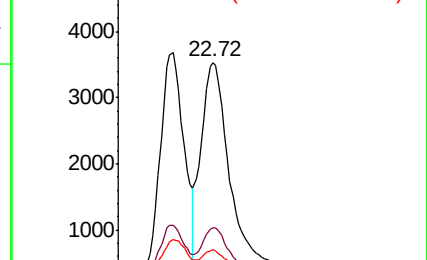
125 19.8 14.7 22.1



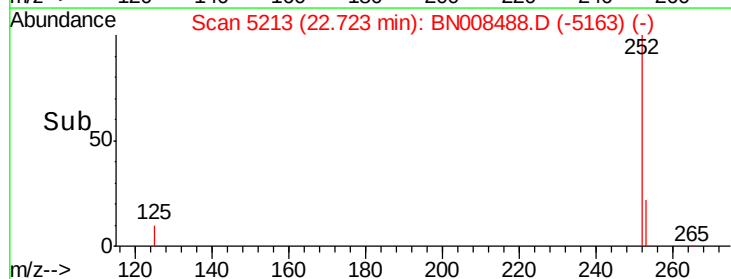
Abundance Ion 252.00 (251.70 to 252.70): E

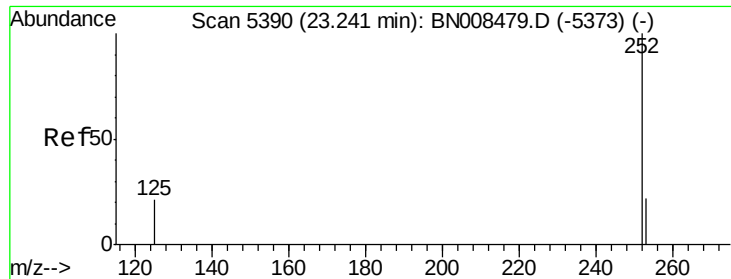
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.70 22.80 22.90





#23

Benzo(a)pyrene

Concen: 0.400 ng/ul

RT: 23.23 min Scan# 5387

Delta R.T. -0.01 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

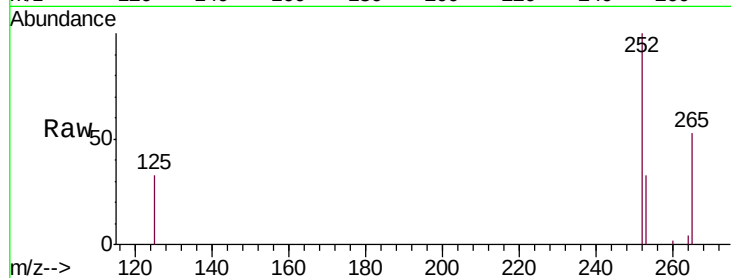
Tgt Ion:252 Resp: 6430

Ion Ratio Lower Upper

252 100

253 32.8 27.2 40.8

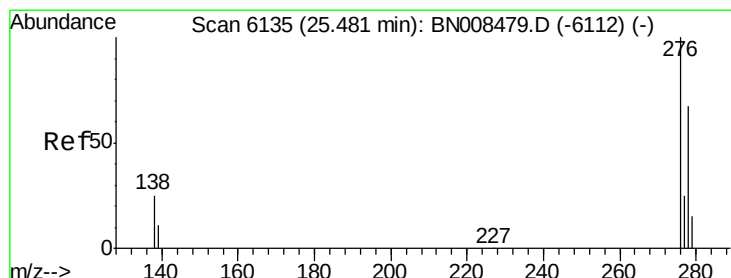
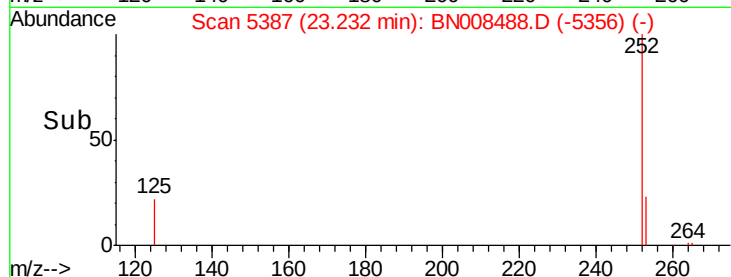
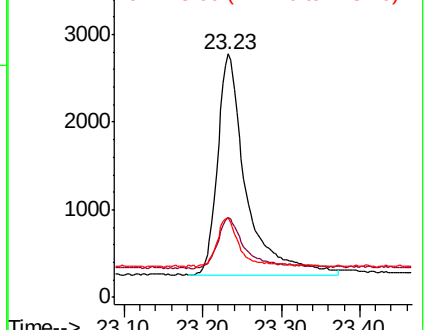
125 32.7 37.0 55.6#



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: 0.417 ng/ul

RT: 25.47 min Scan# 6132

Delta R.T. -0.01 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

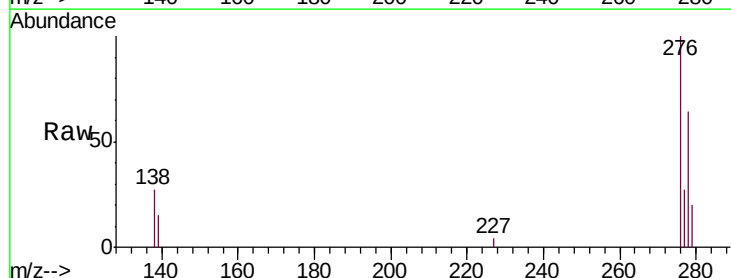
Tgt Ion:276 Resp: 7630

Ion Ratio Lower Upper

276 100

138 24.5 18.3 27.5

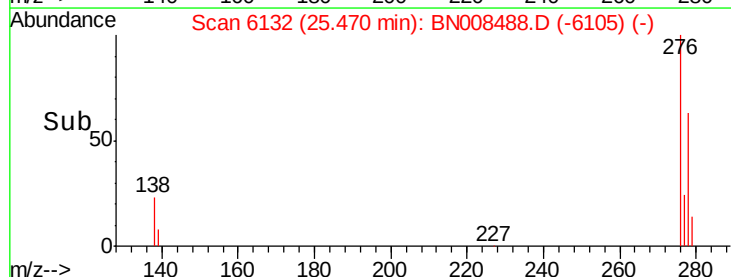
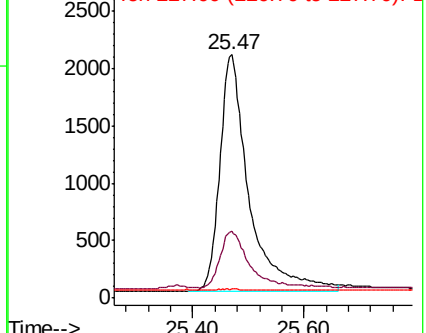
227 0.1 0.0 0.0#

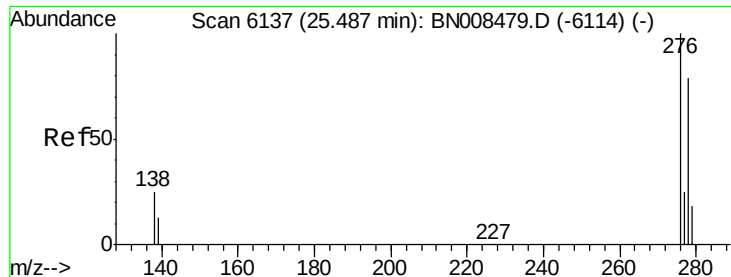


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.411 ng/ul

RT: 25.48 min Scan# 6134

Delta R.T. -0.01 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

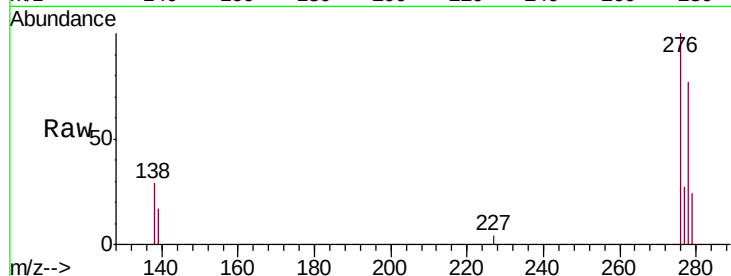
Tgt Ion:278 Resp: 5951

Ion Ratio Lower Upper

278 100

139 22.0 17.6 26.4

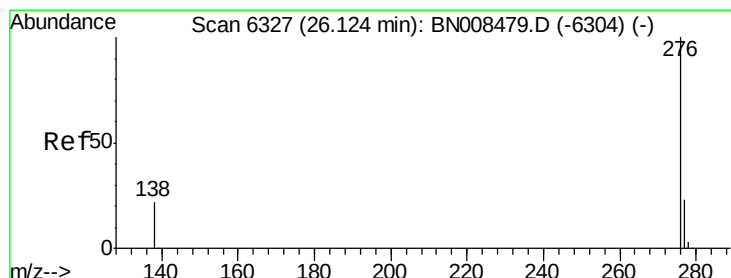
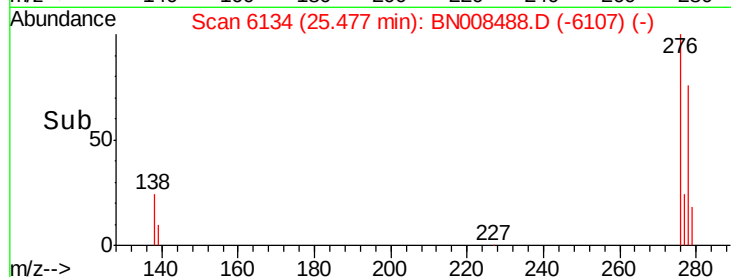
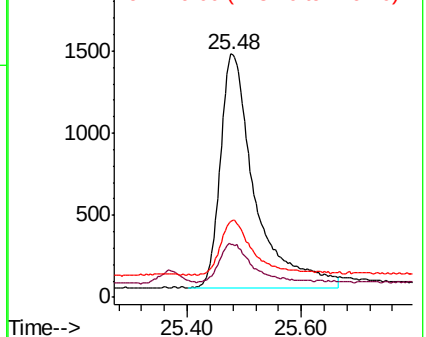
279 31.4 25.1 37.7



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: 0.419 ng/ul

RT: 26.12 min Scan# 6326

Delta R.T. -0.00 min

Lab File: BN008488.D

Acq: 07 Nov 2019 17:14

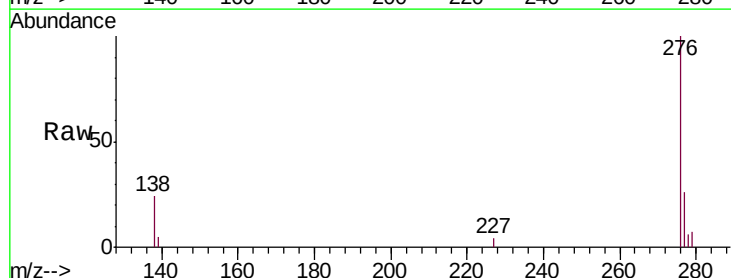
Tgt Ion:276 Resp: 6859

Ion Ratio Lower Upper

276 100

138 24.5 20.1 30.1

277 26.0 20.6 31.0



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

