

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031518\
 Data File : BE095805.D
 Acq On : 15 Mar 2018 16:04
 Operator : SJ/JU
 Sample : J1835-13DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 16 01:14:10 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 01:12:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	1903	0.40	ng/ul	0.00
2) Naphthalene-d8	11.28	136	5500	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.04	164	2984	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.84	188	70262	0.40	ng/ul	0.10
16) Chrysene-d12	21.96	240	50	0.40	ng/ul	0.13
20) Perylene-d12	24.50	264	6713	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.83	152	526	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.81	212	56	0.00	ng/ul	0.10

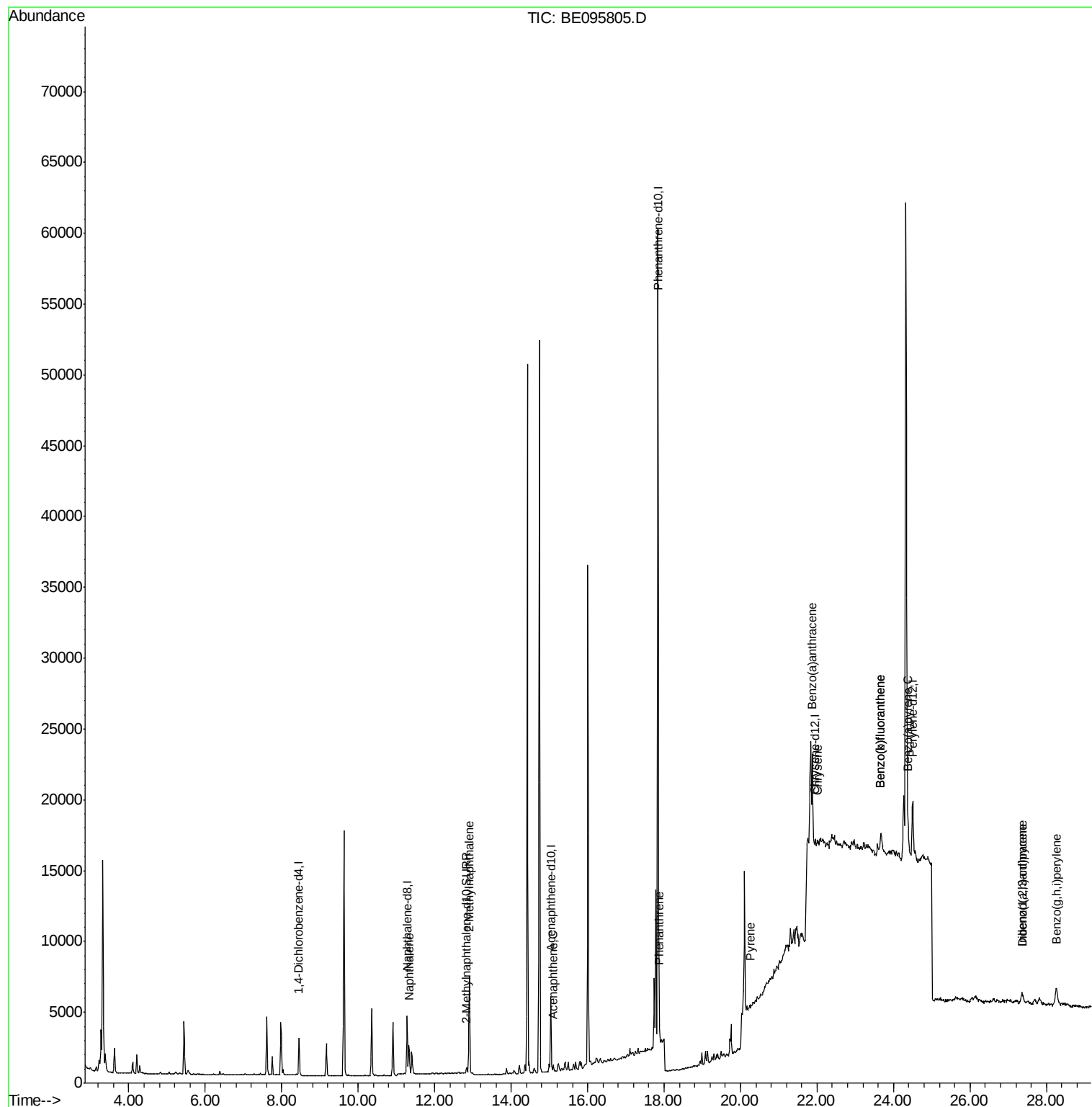
Target Compounds				Ovalue		
3) Naphthalene	11.33	128	2951	0.192	ng/ul#	91
5) 2-Methylnaphthalene	12.91	142	5526	0.518	ng/ul	99
8) Acenaphthene	15.10	153	254	0.022	ng/ul#	64
12) Phenanthrene	17.87	178	4265	0.020	ng/ul#	65
17) Pyrene	20.25	202	467	2.460	ng/ul	95
18) Benzo(a)anthracene	21.88	228	7173	44.462	ng/ul#	51
19) Chrysene	22.00	228	235	1.431	ng/ul#	1
21) Benzo(b)fluoranthene	23.67	252	3184	0.137	ng/ul#	1
22) Benzo(k)fluoranthene	23.67	252	3184	0.144	ng/ul#	1
23) Benzo(a)pyrene	24.38	252	3120	0.147	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	27.36	276	1393	0.059	ng/ul#	58
25) Dibenzo(a,h)anthracene	27.36	278	777	0.041	ng/ul#	1
26) Benzo(g,h,i)perylene	28.26	276	4140	0.205	ng/ul#	30

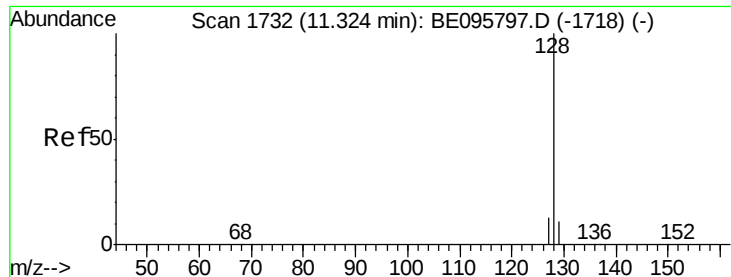
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.192 ng/ul

RT: 11.33 min Scan# 1734

Delta R.T. 0.01 min

Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

Instrument :

BNA_E

ClientSampleId :

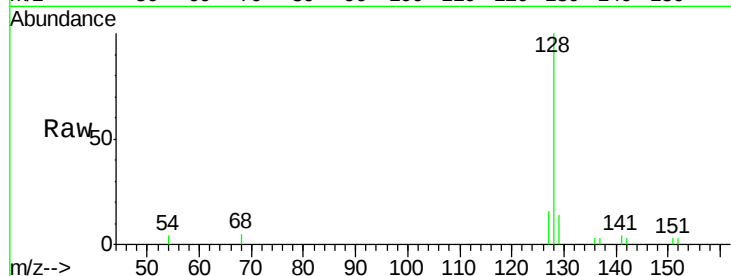
Tot Ion:128 Resp: 2951

Ion Ratio Lower Upper

128 100

129 13.8 11.3 16.9

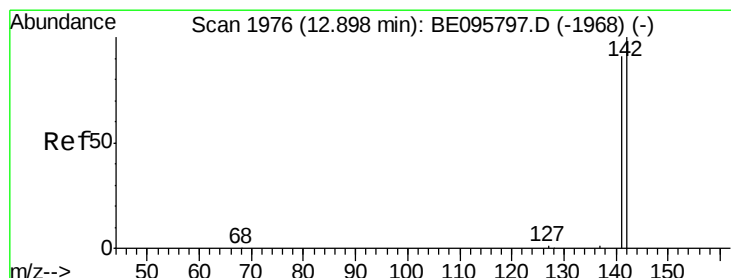
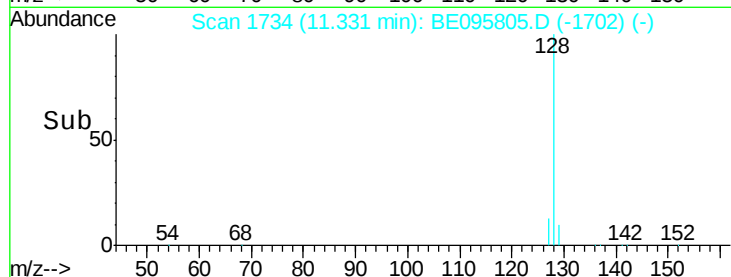
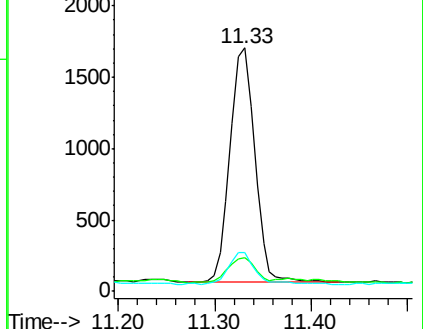
127 15.7 4.0 6.0#



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: 0.518 ng/ul

RT: 12.91 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BE095805.D

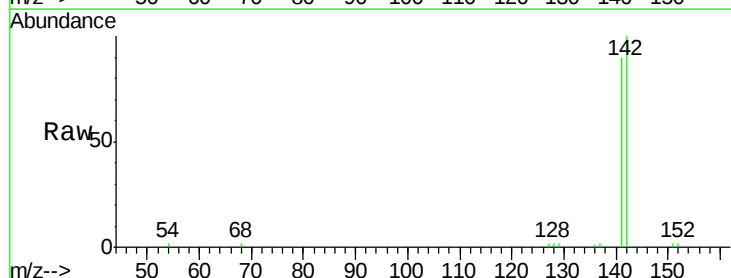
Acq: 15 Mar 2018 16:04

Tgt Ion:142 Resp: 5526

Ion Ratio Lower Upper

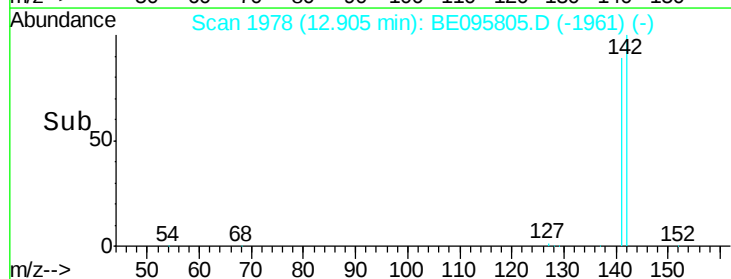
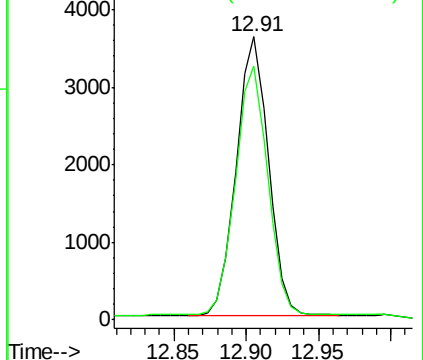
142 100

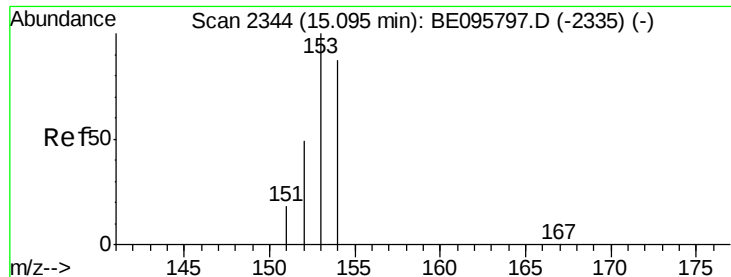
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.022 ng/ul

RT: 15.10 min Scan# 2346

Delta R.T. 0.01 min

Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

Instrument :

BNA_E

ClientSampled :

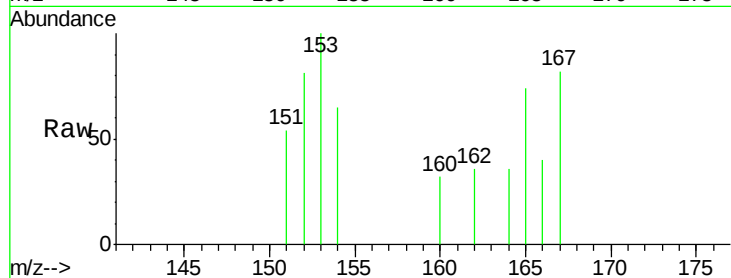
Tot Ion:153 Resp: 254

Ion Ratio Lower Upper

153 100

152 81.1 36.0 54.0#

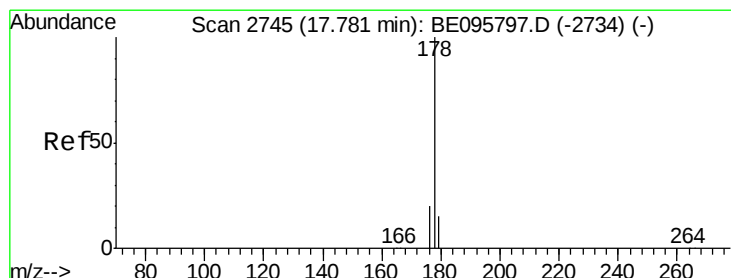
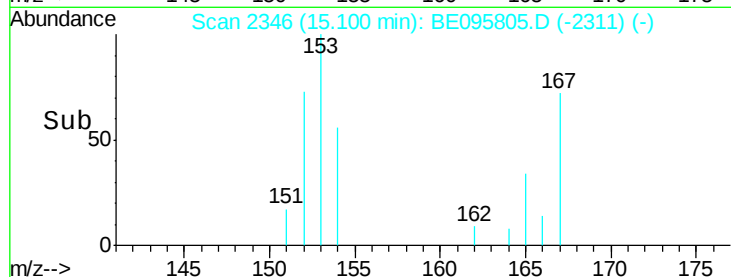
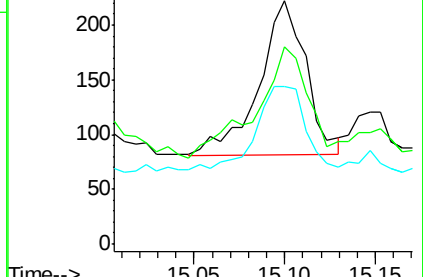
154 64.9 72.0 108.0#



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



#12

Phenanthrene

Concen: 0.020 ng/ul

RT: 17.87 min Scan# 2759

Delta R.T. 0.09 min

Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

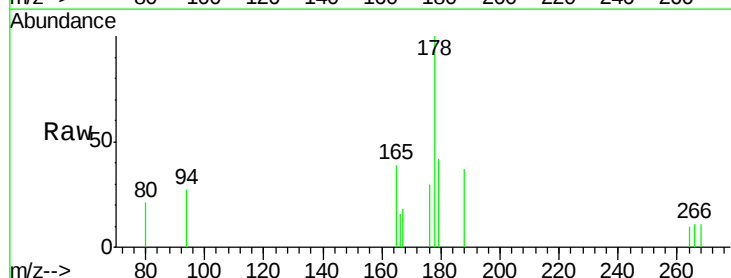
Tgt Ion:178 Resp: 4265

Ion Ratio Lower Upper

178 100

179 41.8 18.4 27.6#

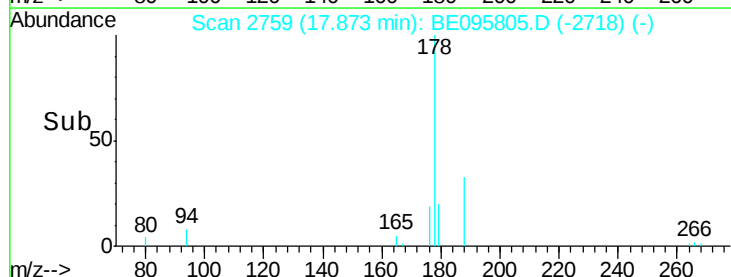
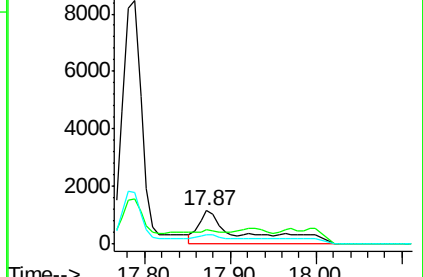
176 29.5 13.6 20.4#

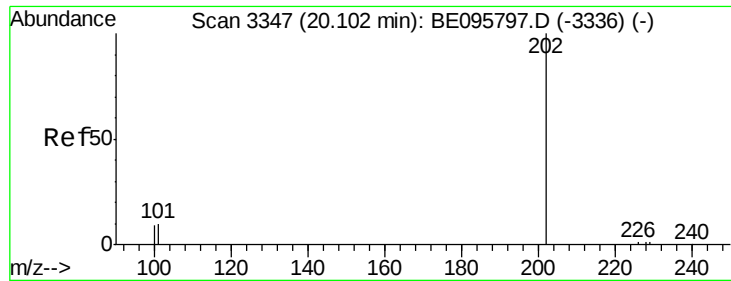


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

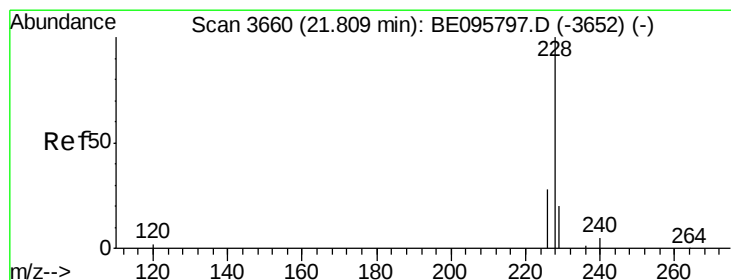
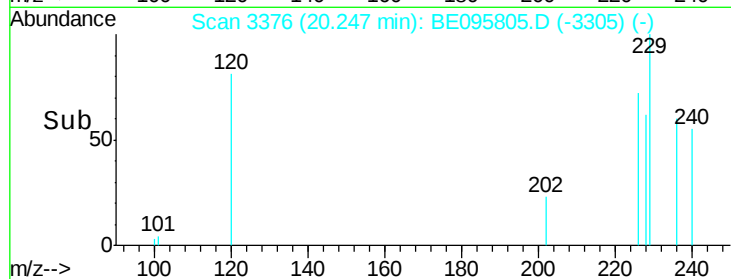
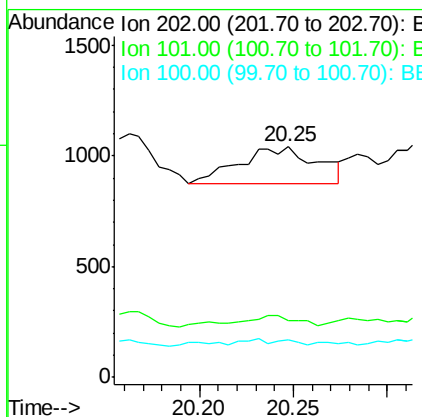
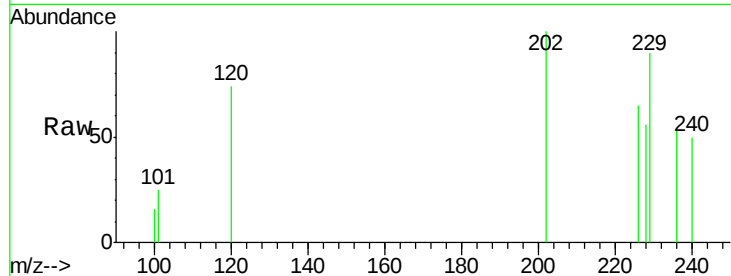




#17
 Pvrene
 Concen: 2.460 ng/ul
 RT: 20.25 min Scan# 3376
 Delta R.T. 0.15 min
 Lab File: BE095805.D
 Acq: 15 Mar 2018 16:04

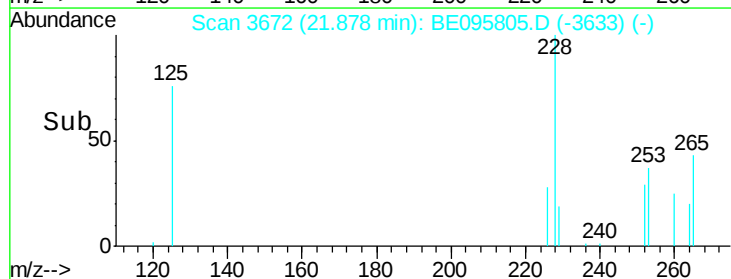
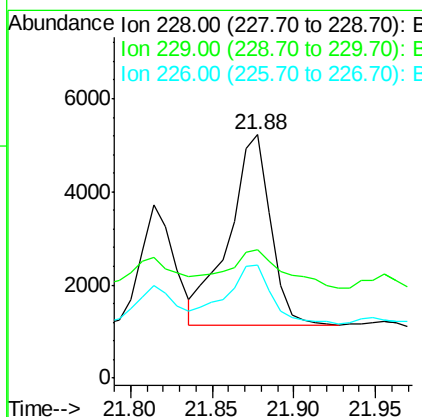
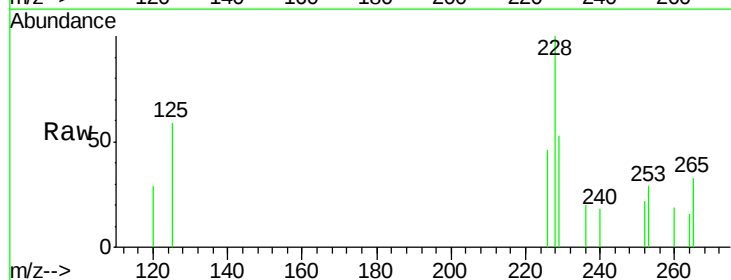
Instrument :
 BNA_E
 ClientSampled :

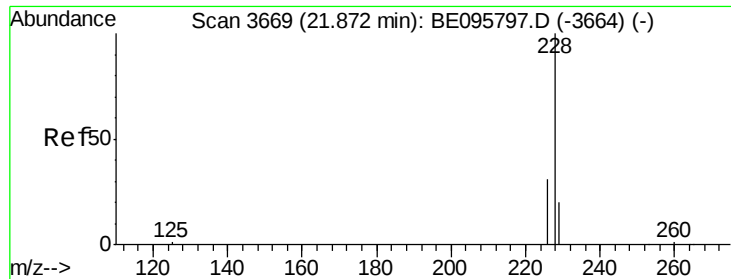
Tot Ion:202 Resp: 467
 Ion Ratio Lower Upper
 202 100
 101 24.6 18.2 27.4
 100 16.3 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 44.462 ng/ul
 RT: 21.88 min Scan# 3672
 Delta R.T. 0.07 min
 Lab File: BE095805.D
 Acq: 15 Mar 2018 16:04

Tgt Ion:228 Resp: 7173
 Ion Ratio Lower Upper
 228 100
 229 52.7 22.8 34.2#
 226 46.4 17.0 25.6#





#19

Chrysene

Concen: 1.431 ng/ul

RT: 22.00 min Scan# 3690

Delta R.T. 0.13 min

Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

Instrument :

BNA_E

ClientSampleId :

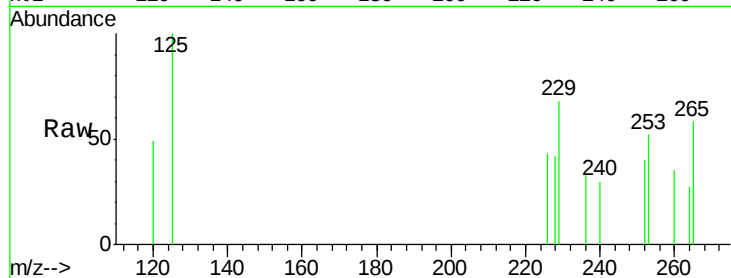
Tot Ion:228 Resp: 235

Ion Ratio Lower Upper

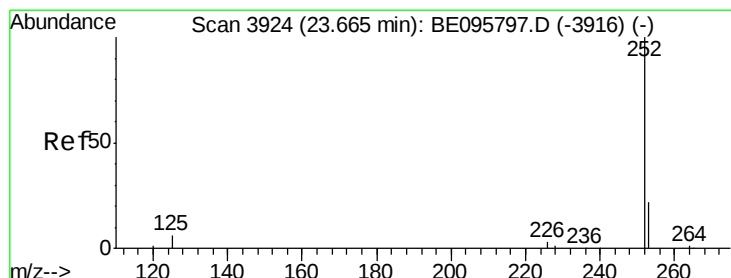
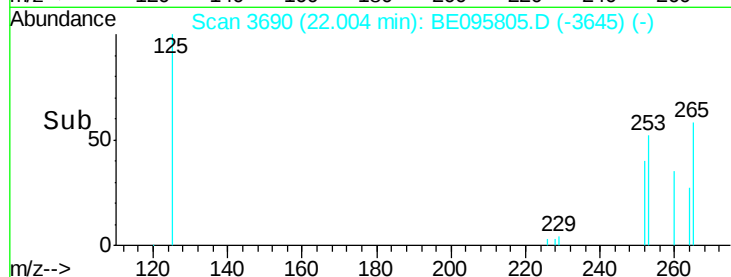
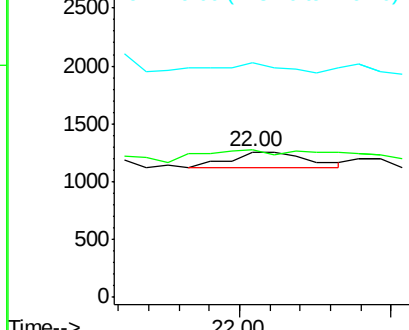
228 100

226 101.8 23.4 35.0#

229 161.4 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: 0.137 ng/ul

RT: 23.67 min Scan# 3927

Delta R.T. 0.01 min

Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

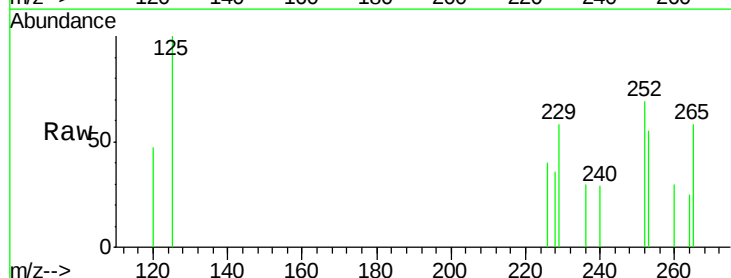
Tgt Ion:252 Resp: 3184

Ion Ratio Lower Upper

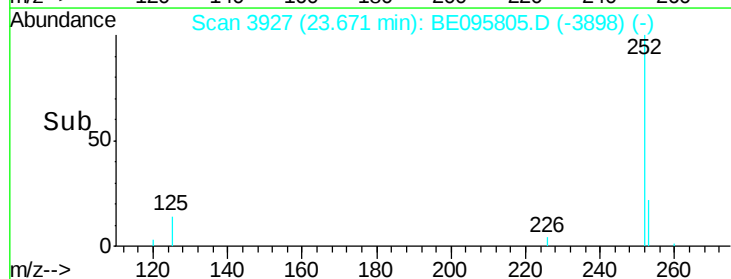
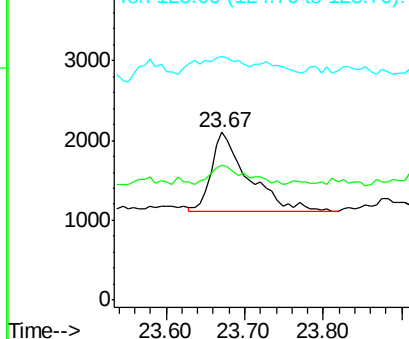
252 100

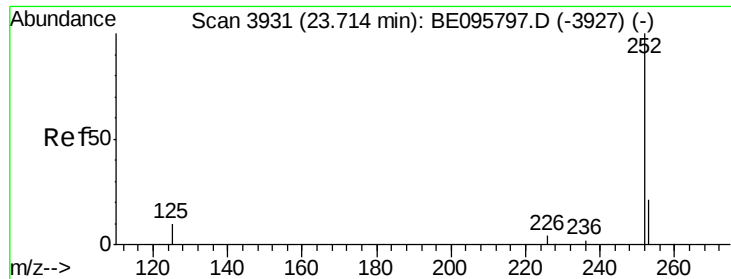
253 80.2 0.0 64.2#

125 145.2 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: 0.144 ng/ul

RT: 23.67 min Scan# 3927

Delta R.T. -0.04 min

Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

Instrument :

BNA_E

ClientSampleId :

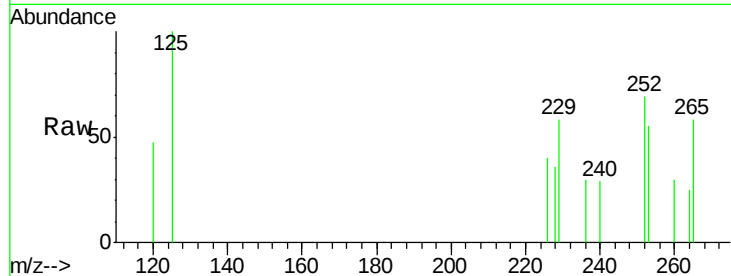
Tot Ion:252 Resp: 3184

Ion Ratio Lower Upper

252 100

253 80.2 24.5 36.7#

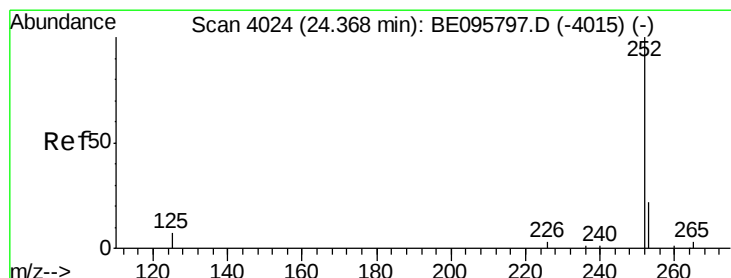
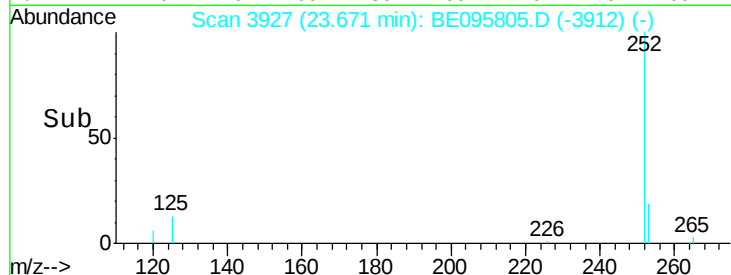
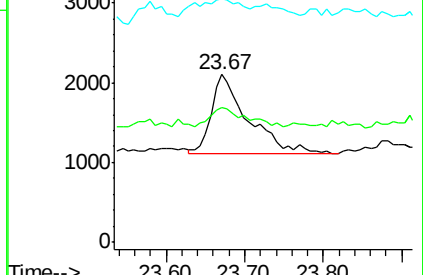
125 145.2 13.7 20.5#



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: 0.147 ng/ul

RT: 24.38 min Scan# 4028

Delta R.T. 0.01 min

Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

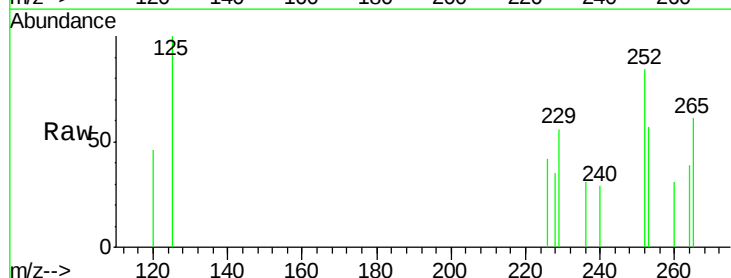
Tgt Ion:252 Resp: 3120

Ion Ratio Lower Upper

252 100

253 67.4 28.5 42.7#

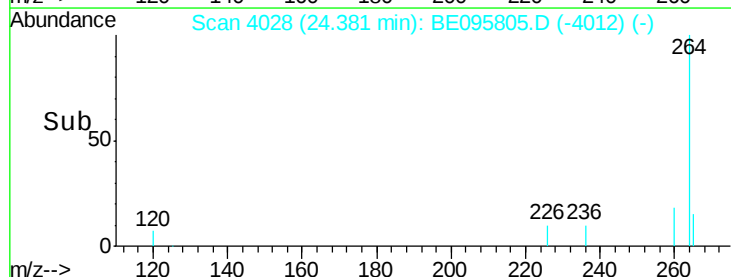
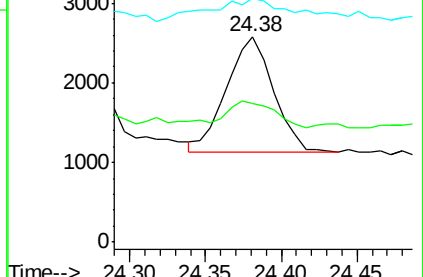
125 118.5 18.1 27.1#

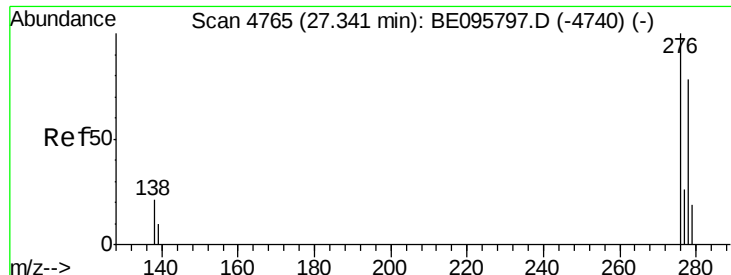


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

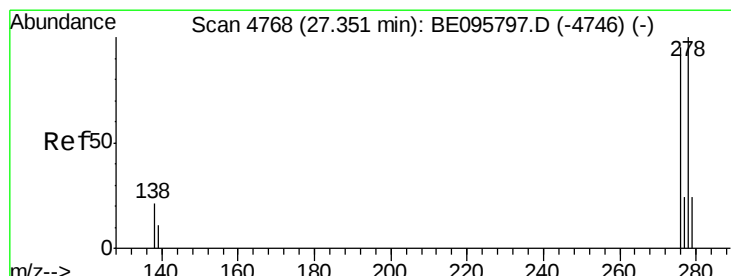
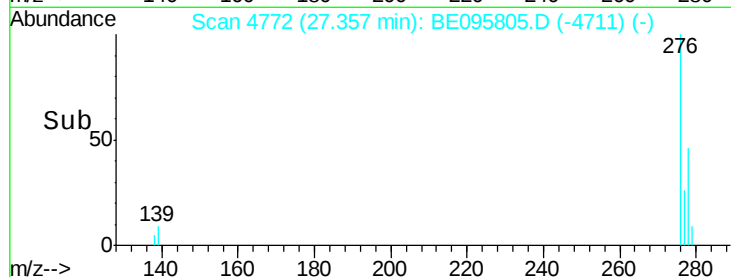
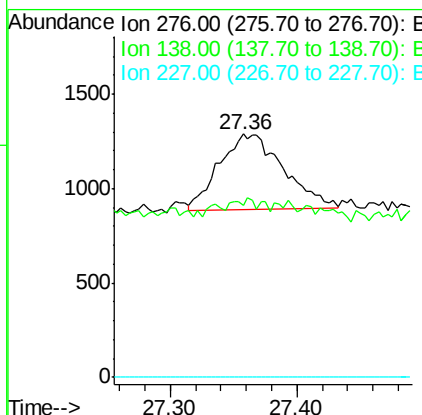
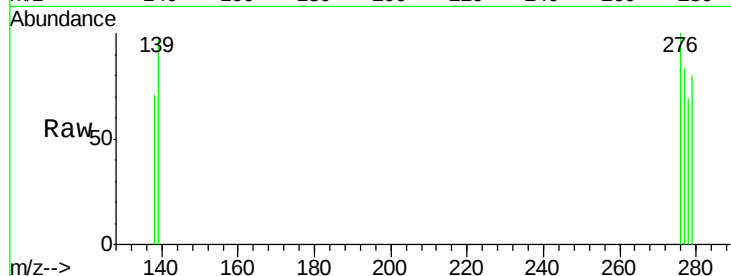




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.059 ng/uL
 RT: 27.36 min Scan# 4772
 Delta R.T. 0.02 min
 Lab File: BE095805.D
 Acq: 15 Mar 2018 16:04

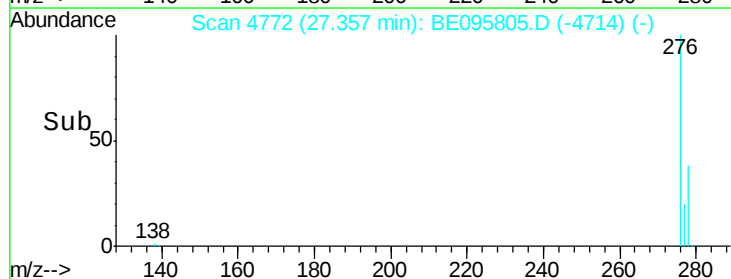
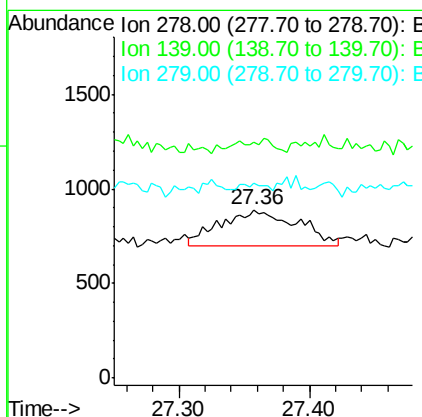
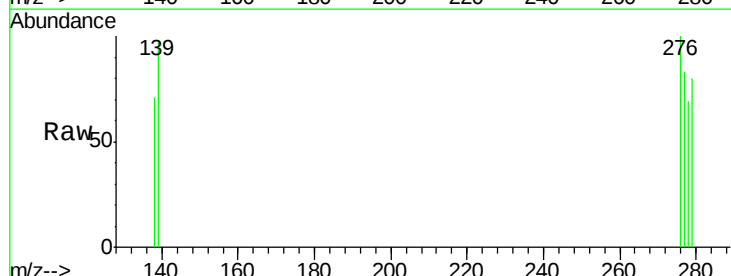
Instrument :
 BNA_E
 ClientSampleId :

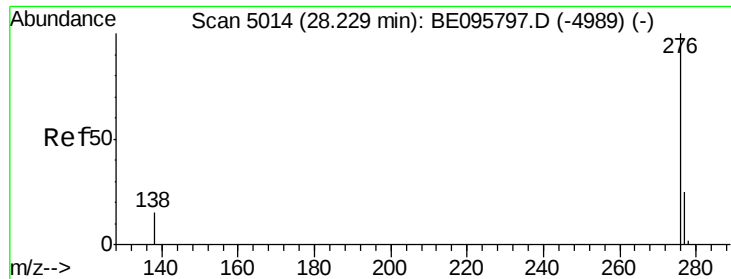
Tot Ion:276 Resp: 1393
 Ion Ratio Lower Upper
 276 100
 138 8.3 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.041 ng/uL
 RT: 27.36 min Scan# 4772
 Delta R.T. 0.01 min
 Lab File: BE095805.D
 Acq: 15 Mar 2018 16:04

Tgt Ion:278 Resp: 777
 Ion Ratio Lower Upper
 278 100
 139 140.6 17.4 26.0#
 279 116.1 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.205 ng/ul

RT: 28.26 min Scan# 5024

Delta R.T. 0.03 min

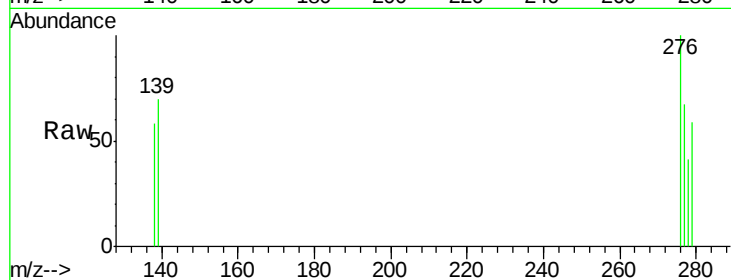
Lab File: BE095805.D

Acq: 15 Mar 2018 16:04

Instrument :

BNA_E

ClientSampleId :



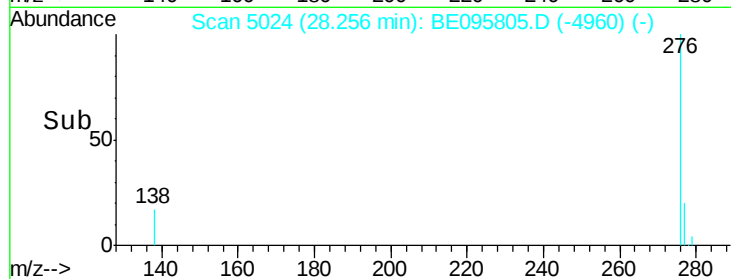
Tot Ion: 276 Resp: 4140

Ion Ratio Lower Upper

276 100

138 58.0 21.8 32.8#

277 66.5 20.5 30.7#



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

