

Data File : BE098119.D
Acq On : 31 Oct 2018 16:59
Operator : SJ/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.477

Quant Time: Nov 01 01:45:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 01:42:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1078	0.40	ng/ul	0.00
2) Naphthalene-d8	10.67	136	5240	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	3466	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.28	188	8433	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	11769	0.40	ng/ul	0.00
20) Perylene-d12	24.02	264	9687	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	3646	0.39	ng/ul	-0.01
14) Fluoranthene-d10	19.32	212	10761	0.39	ng/ul	0.00

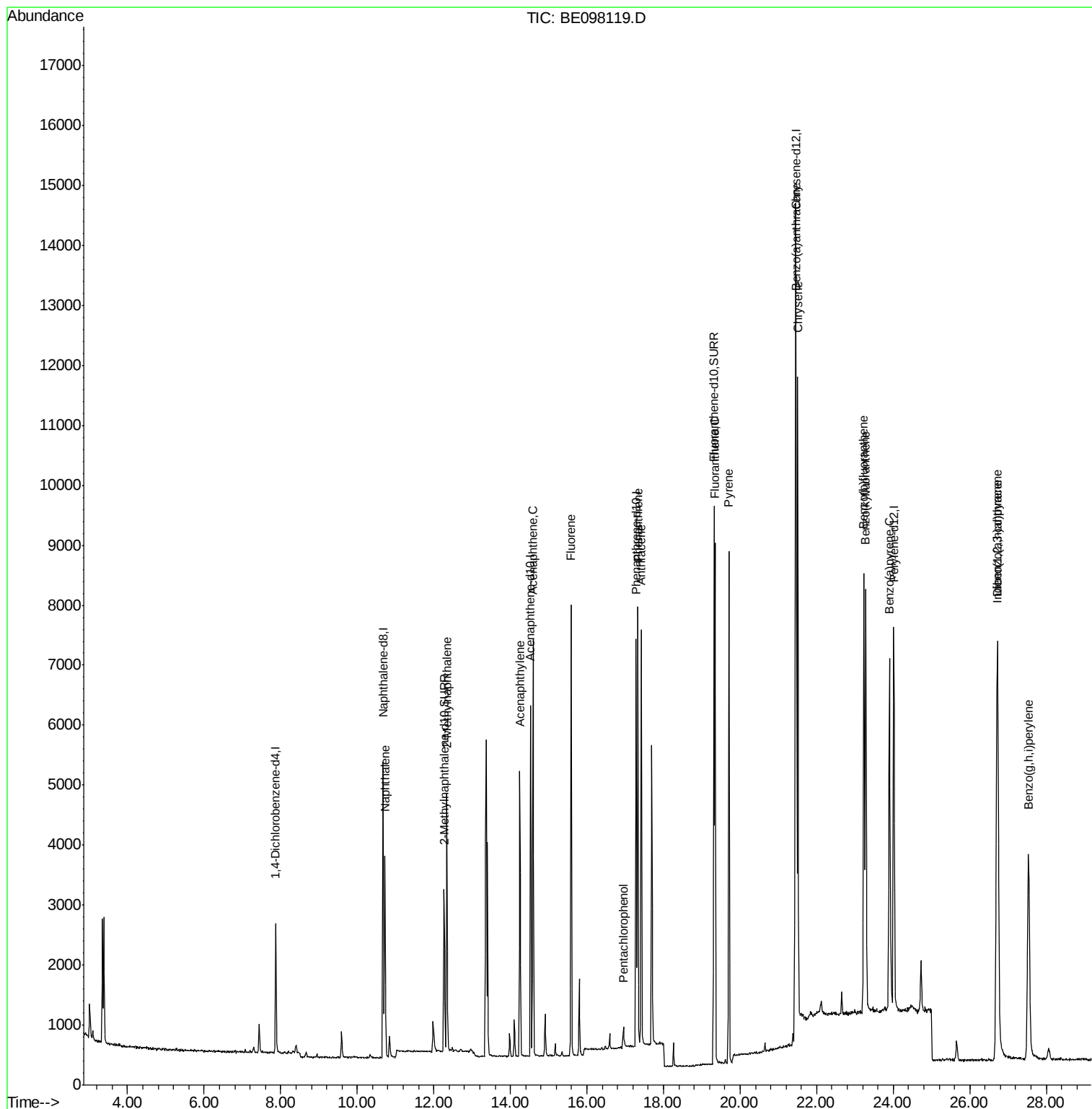
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.72	128	4986	0.398	ng/ul	97
5) 2-Methylnaphthalene	12.34	142	3696	0.390	ng/ul	100
7) Acenaphthylene	14.24	152	5506	0.403	ng/ul	98
8) Acenaphthene	14.59	153	4055	0.397	ng/ul	98
9) Fluorene	15.58	166	4818	0.392	ng/ul	98
11) Pentachlorophenol	16.95	266	235	0.533	ng/ul	93
12) Phenanthrene	17.33	178	7747	0.398	ng/ul	98
13) Anthracene	17.42	178	7603	0.396	ng/ul	99
15) Fluoranthene	19.35	202	9864	0.398	ng/ul	97
17) Pyrene	19.71	202	11752	0.428	ng/ul	97
18) Benzo(a)anthracene	21.44	228	12192	0.352	ng/ul	99
19) Chrysene	21.50	228	10488	0.392	ng/ul	100
21) Benzo(b)fluoranthene	23.23	252	10756	0.401	ng/ul	99
22) Benzo(k)fluoranthene	23.28	252	10349	0.394	ng/ul	99
23) Benzo(a)pyrene	23.90	252	10235	0.397	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	26.71	276	11725	0.396	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.73	278	9799	0.397	ng/ul	97
26) Benzo(g,h,i)perylene	27.53	276	9772	0.392	ng/ul	96

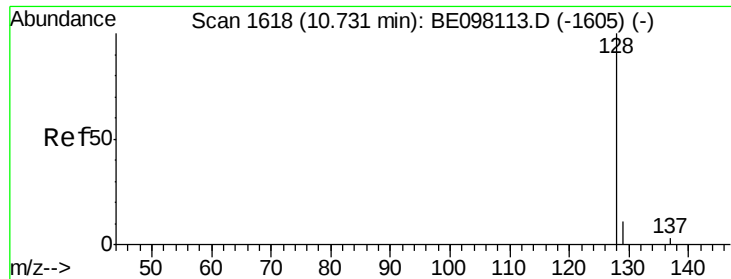
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.398 ng/ul

RT: 10.72 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

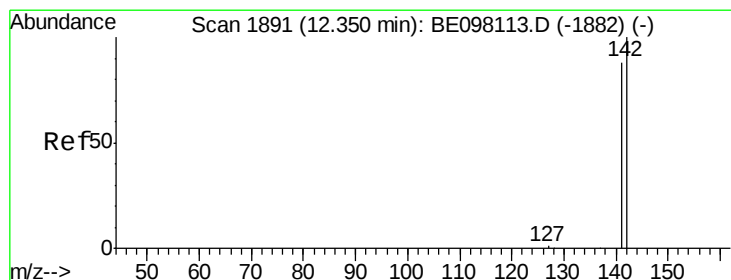
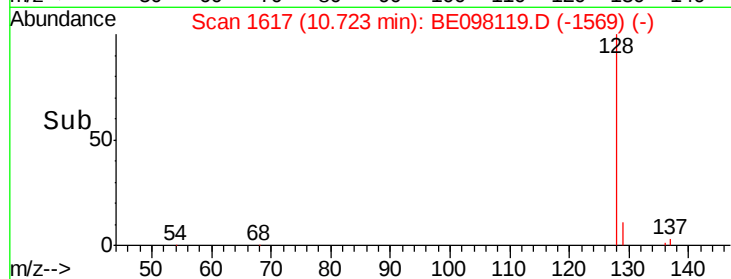
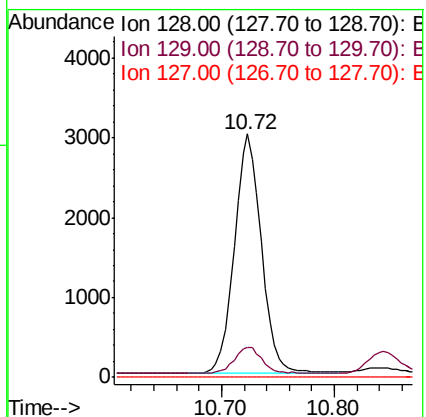
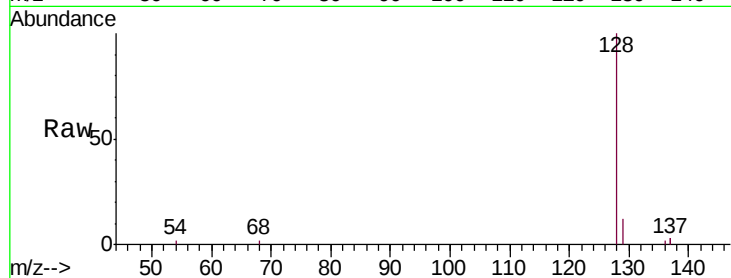
Tgt Ion:128 Resp: 4986

Ion Ratio Lower Upper

128 100

129 12.1 10.5 15.7

127 0.0 0.0 0.0



#5

2-Methylnaphthalene

Concen: 0.390 ng/ul

RT: 12.34 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BE098119.D

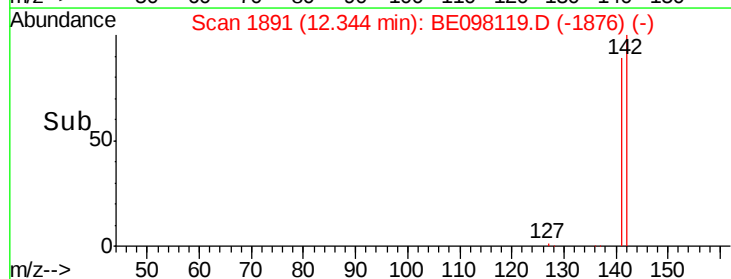
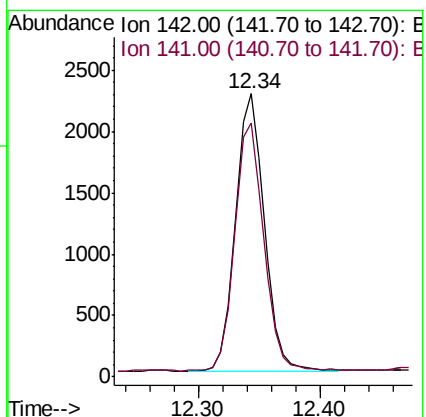
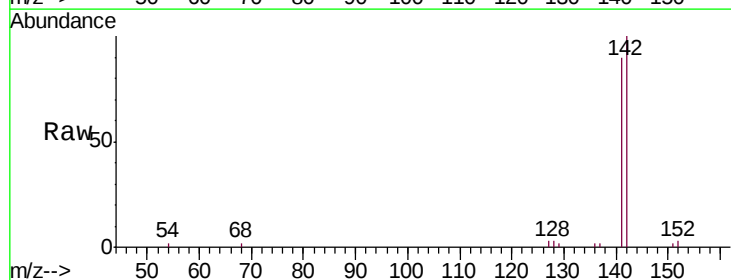
Acq: 31 Oct 2018 16:59

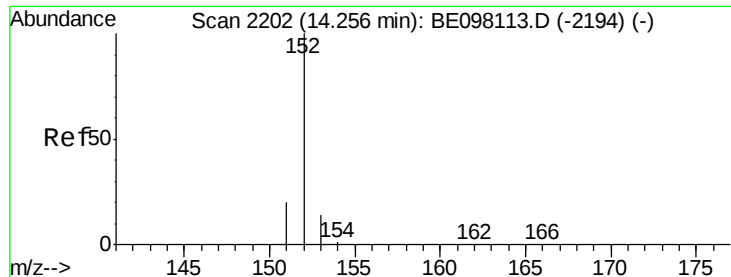
Tgt Ion:142 Resp: 3696

Ion Ratio Lower Upper

142 100

141 90.6 72.5 108.7





#7

Acenaphthylene

Concen: 0.403 ng/ul

RT: 14.24 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

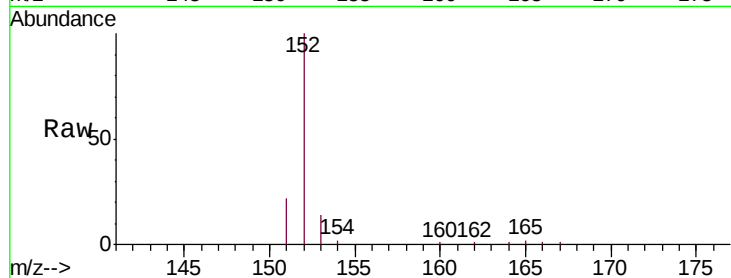
Tgt Ion:152 Resp: 5506

Ion Ratio Lower Upper

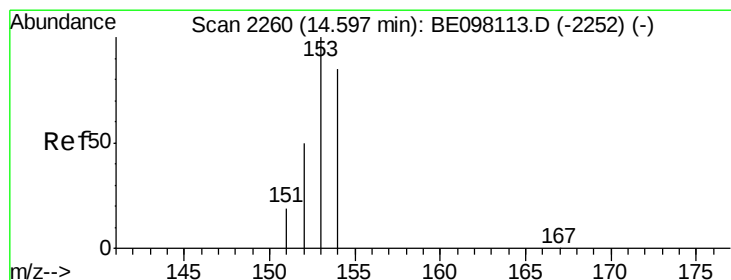
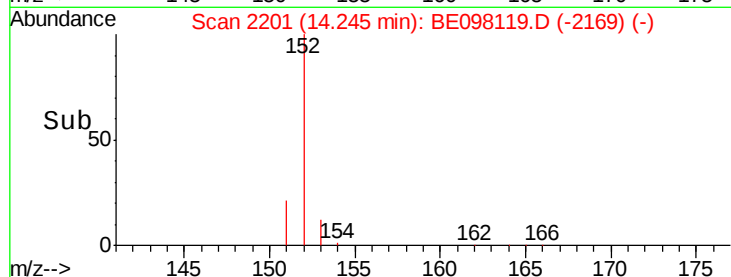
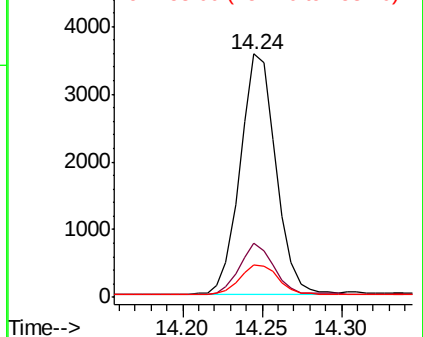
152 100

151 22.0 17.3 25.9

153 13.5 11.9 17.9



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: 0.397 ng/ul

RT: 14.59 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

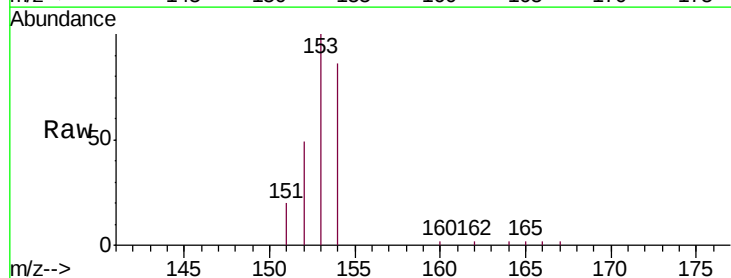
Tgt Ion:153 Resp: 4055

Ion Ratio Lower Upper

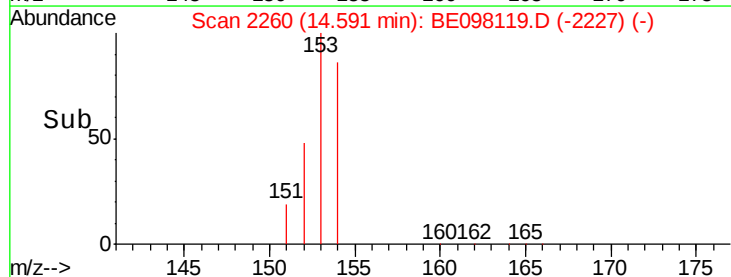
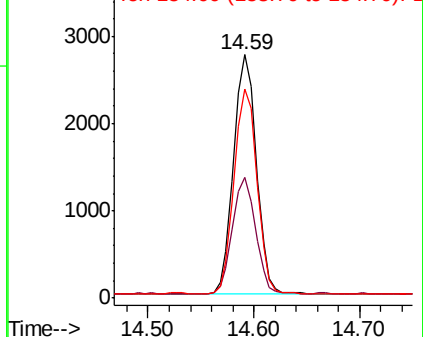
153 100

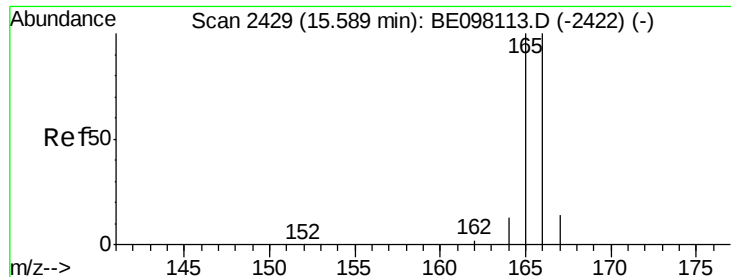
152 49.5 39.4 59.0

154 85.9 70.5 105.7



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: 0.392 ng/ul

RT: 15.58 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

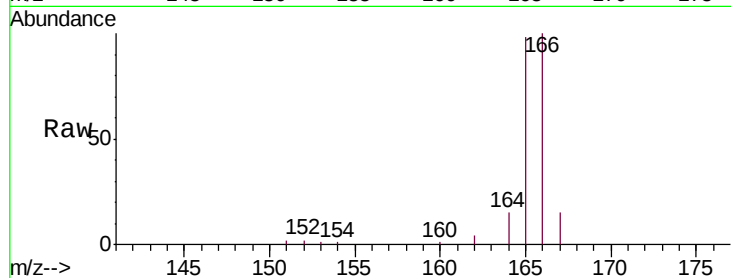
Tgt Ion:166 Resp: 4818

Ion Ratio Lower Upper

166 100

165 98.3 80.2 120.4

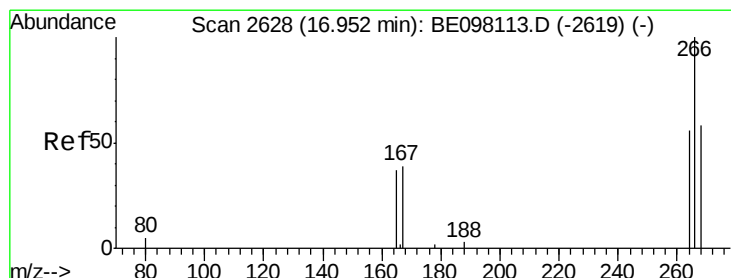
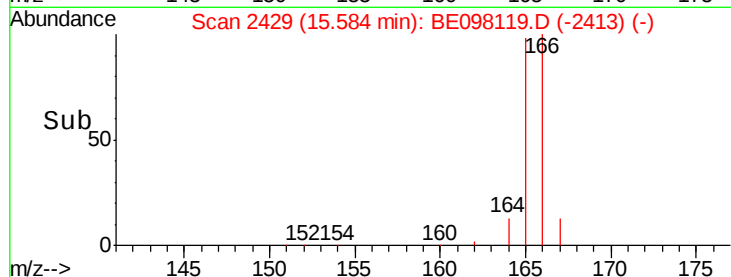
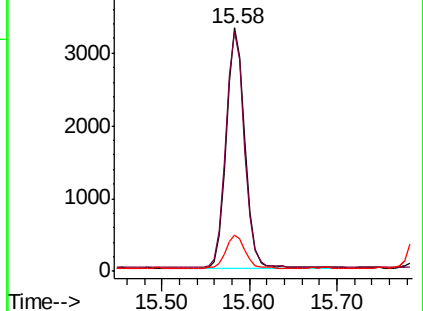
167 14.7 12.0 18.0



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: 0.533 ng/ul

RT: 16.95 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

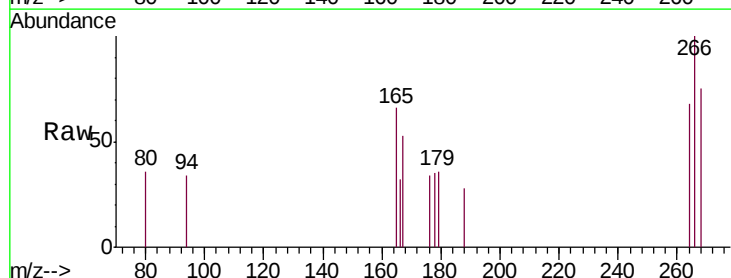
Tgt Ion:266 Resp: 235

Ion Ratio Lower Upper

266 100

264 66.4 48.5 72.7

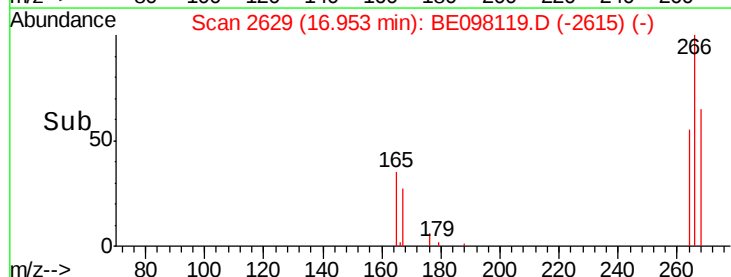
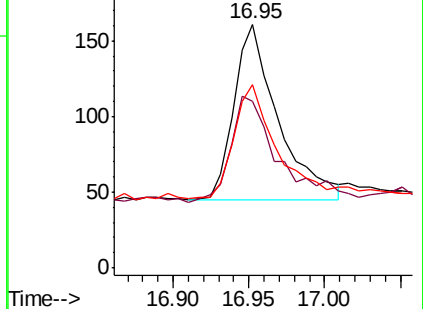
268 62.6 53.7 80.5

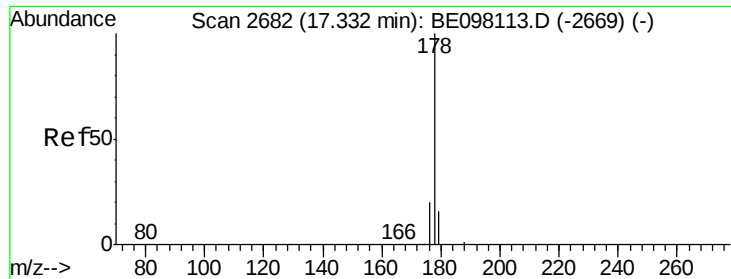


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.398 ng/ul

RT: 17.33 min Scan# 2682

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

Instrument :

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ClientSampleId :

SSTD0.477

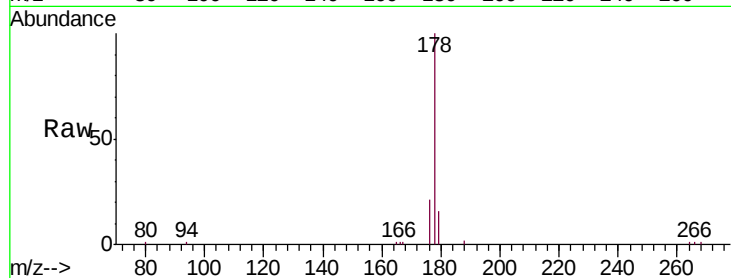
Tgt Ion:178 Resp: 7747

Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.4

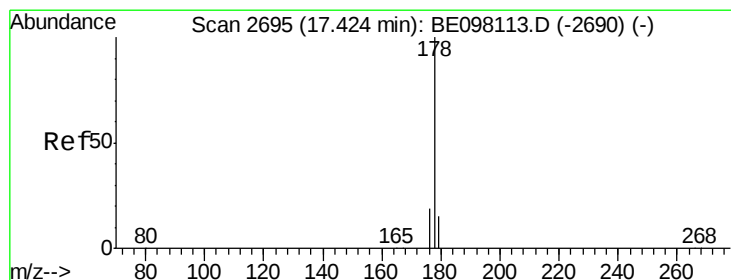
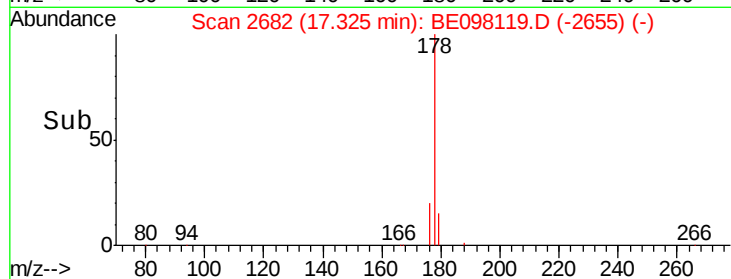
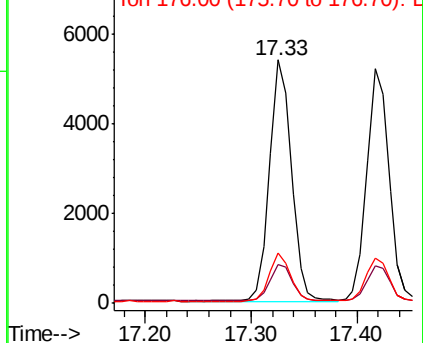
176 20.7 15.7 23.5



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: 0.396 ng/ul

RT: 17.42 min Scan# 2695

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

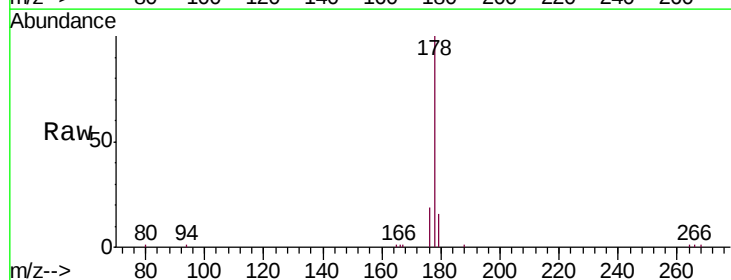
Tgt Ion:178 Resp: 7603

Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

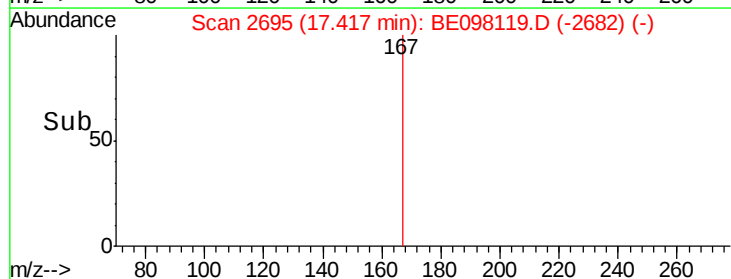
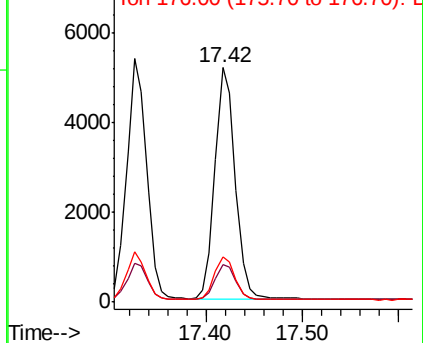
176 19.4 15.6 23.4

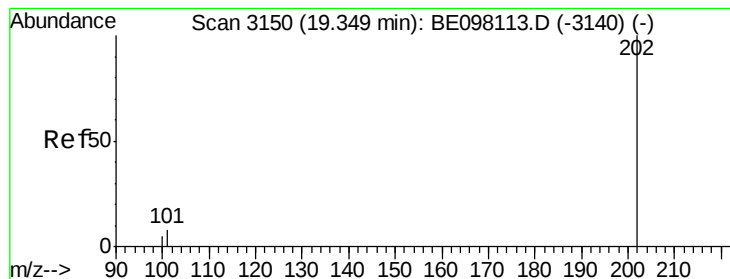


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.398 ng/ul

RT: 19.35 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

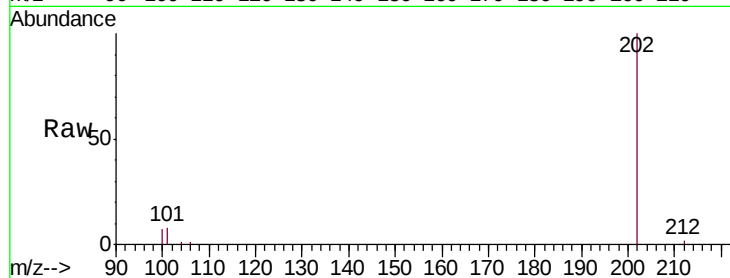
Tgt Ion:202 Resp: 9864

Ion Ratio Lower Upper

202 100

101 8.0 0.0 27.5

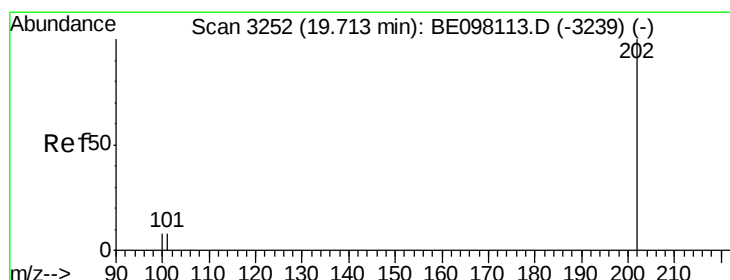
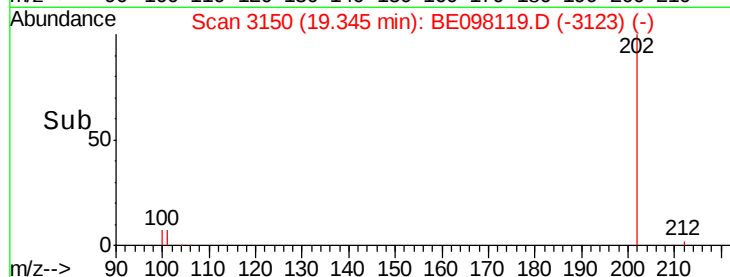
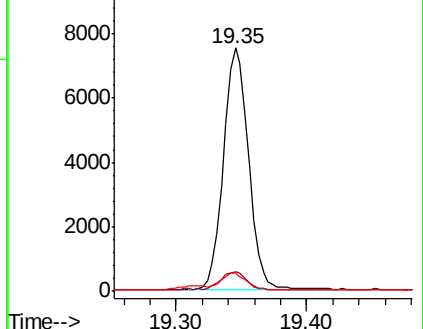
100 7.3 0.0 26.0



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): BE



#17

Pyrene

Concen: 0.428 ng/ul

RT: 19.71 min Scan# 3251

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

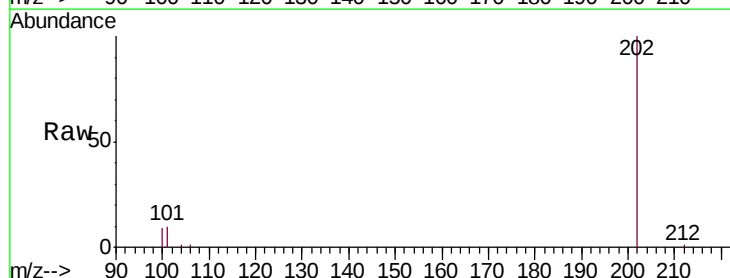
Tgt Ion:202 Resp: 11752

Ion Ratio Lower Upper

202 100

101 9.6 6.9 10.3

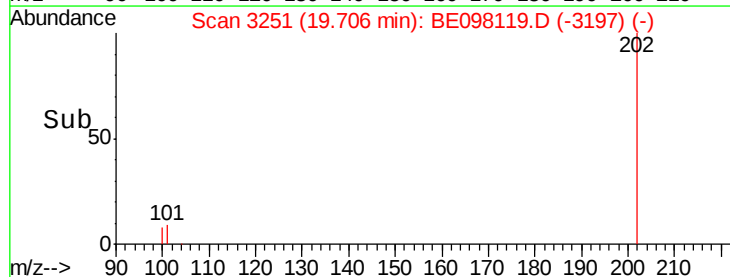
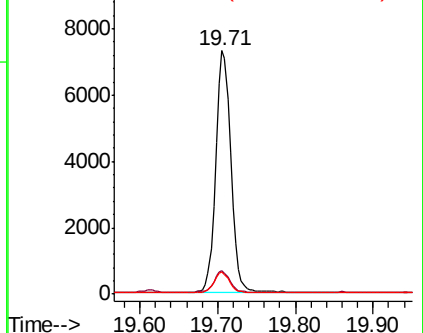
100 9.0 6.0 9.0

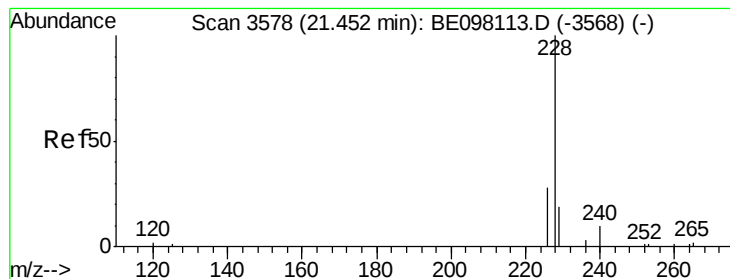


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.352 ng/ul

RT: 21.44 min Scan# 3578

Delta R.T. -0.01 min

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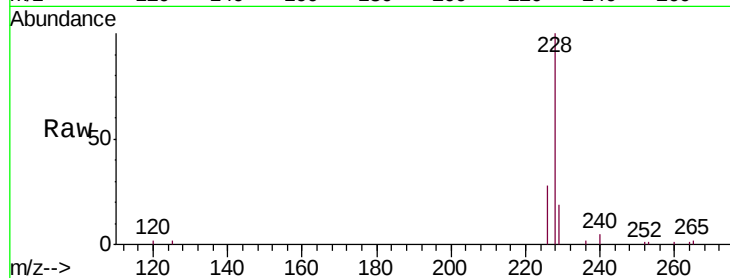
Tgt Ion:228 Resp: 12192

Ion Ratio Lower Upper

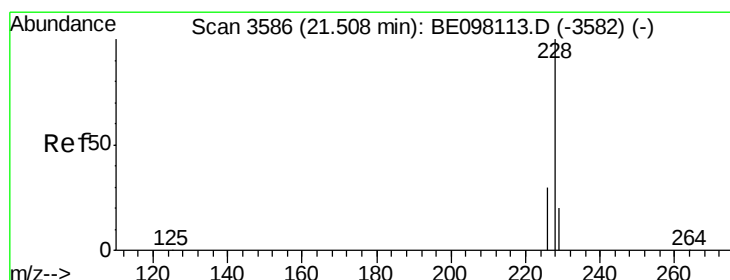
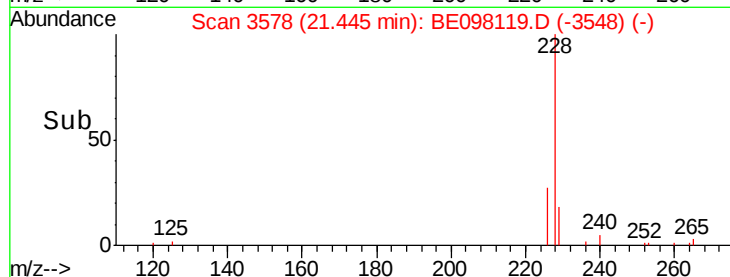
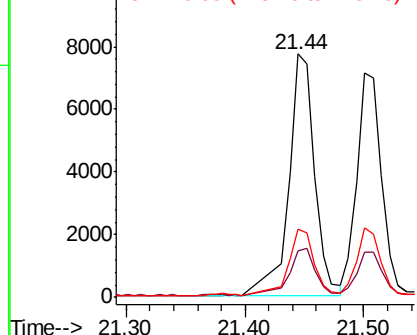
228 100

229 18.9 16.1 24.1

226 27.8 22.2 33.4



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: 0.392 ng/ul

RT: 21.50 min Scan# 3586

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

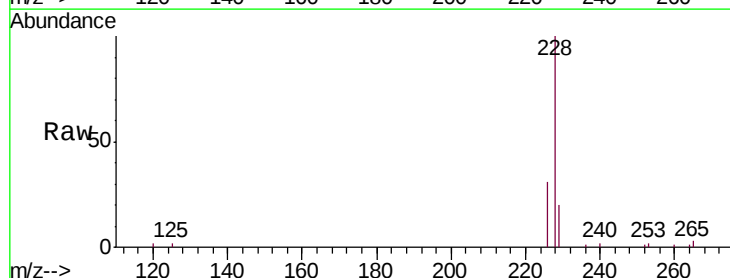
Tgt Ion:228 Resp: 10488

Ion Ratio Lower Upper

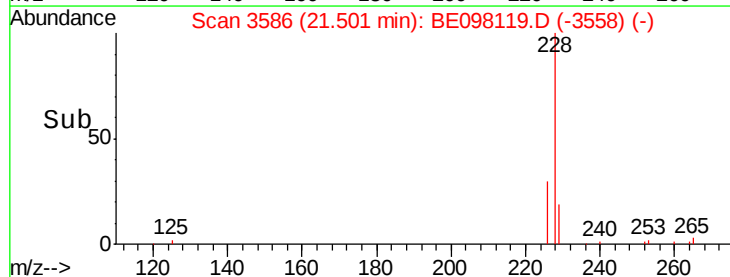
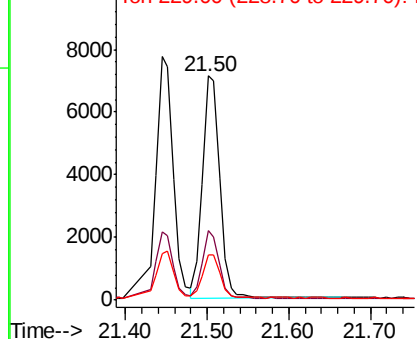
228 100

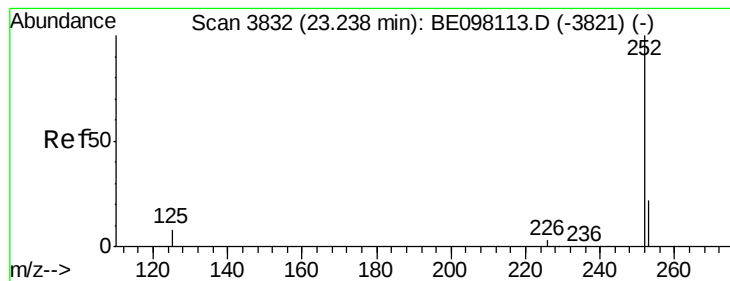
226 30.8 24.6 37.0

229 20.1 16.4 24.6



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: 0.401 ng/ul

RT: 23.23 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE098119.D

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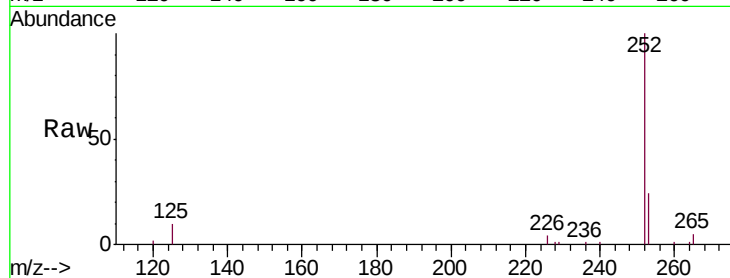
Tgt Ion:252 Resp: 10756

Ion Ratio Lower Upper

252 100

253 23.9 0.0 47.8

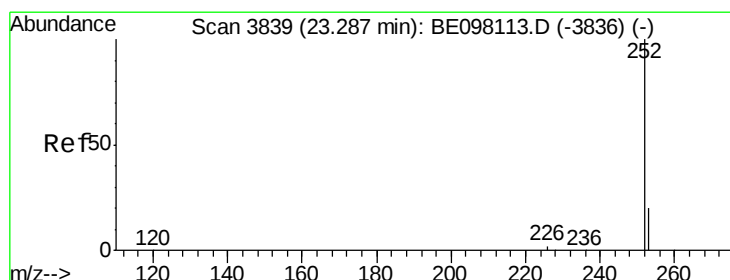
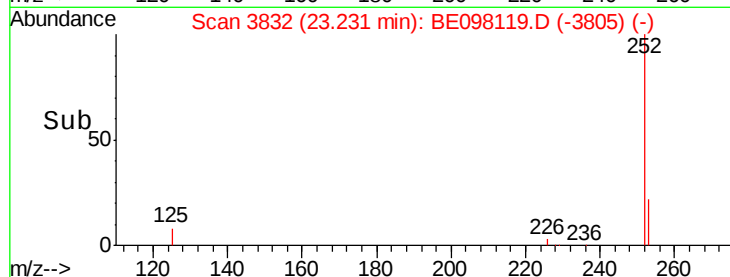
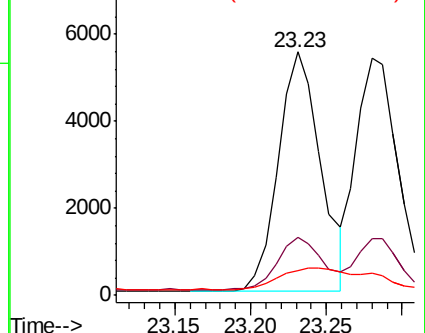
125 10.3 0.0 16.8



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



#22

Benzo(k)fluoranthene

Concen: 0.394 ng/ul

RT: 23.28 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

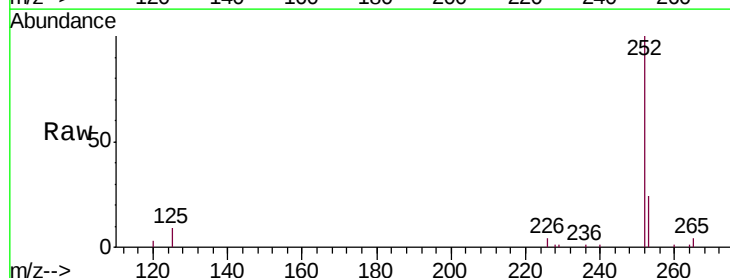
Tgt Ion:252 Resp: 10349

Ion Ratio Lower Upper

252 100

253 24.0 19.3 28.9

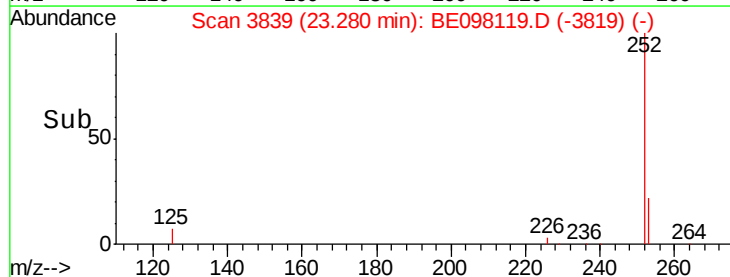
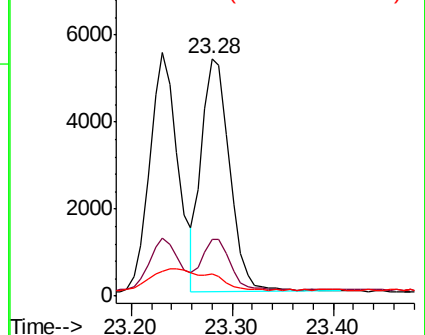
125 9.1 6.2 9.2

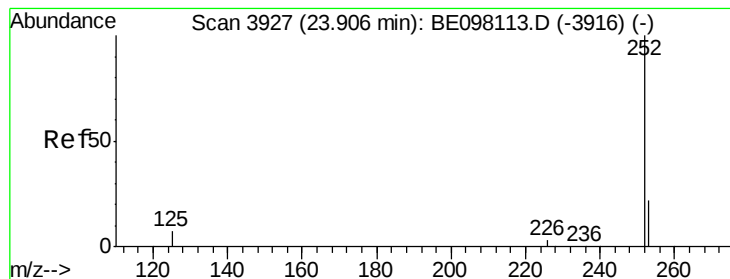


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.397 ng/ul

RT: 23.90 min Scan# 3927

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

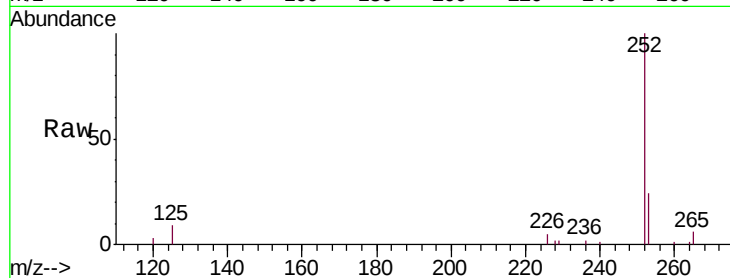
Tgt Ion:252 Resp: 10235

Ion Ratio Lower Upper

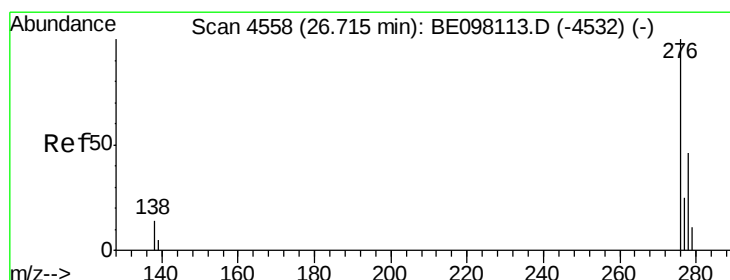
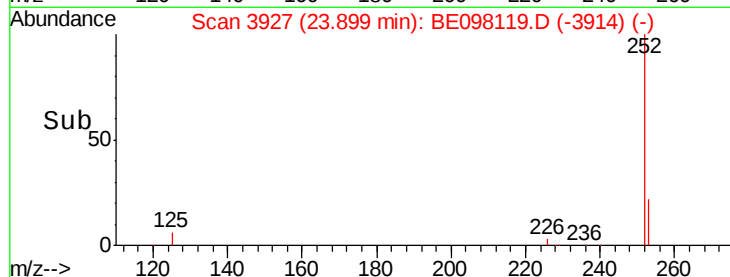
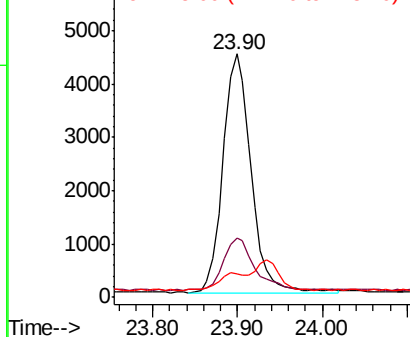
252 100

253 24.3 19.4 29.2

125 9.5 7.8 11.8



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: 0.396 ng/ul

RT: 26.71 min Scan# 4557

Delta R.T. -0.01 min

Lab File: BE098119.D

Acq: 31 Oct 2018 16:59

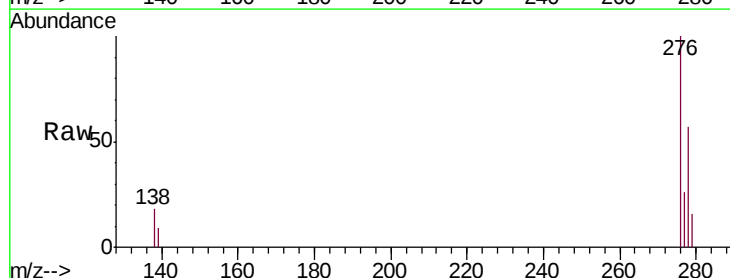
Tgt Ion:276 Resp: 11725

Ion Ratio Lower Upper

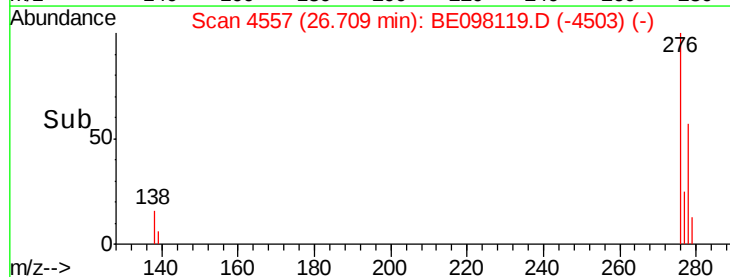
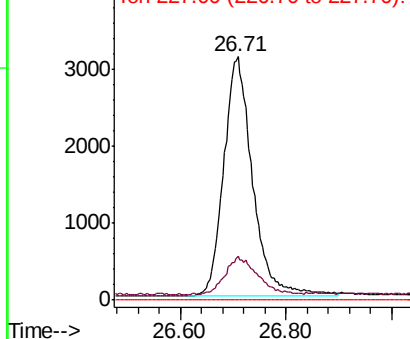
276 100

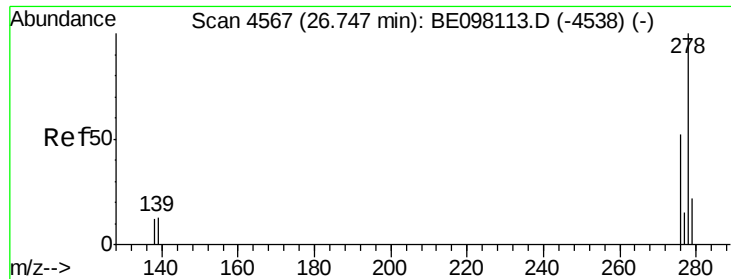
138 16.8 11.8 17.8

227 0.0 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



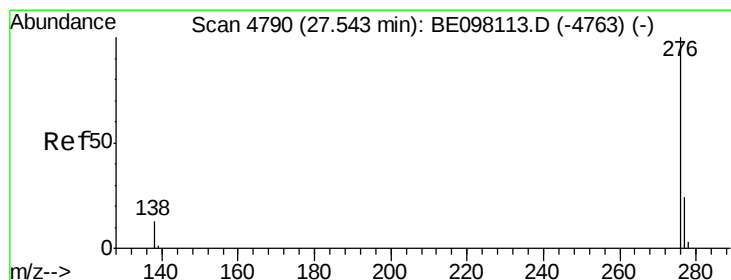
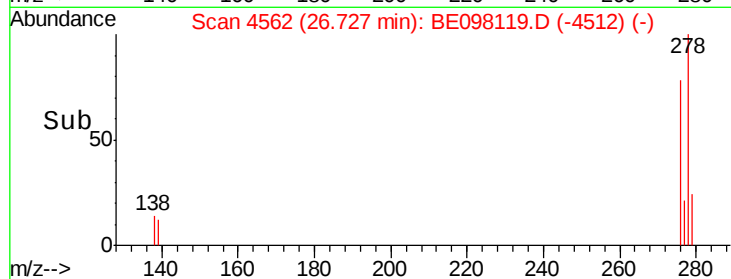
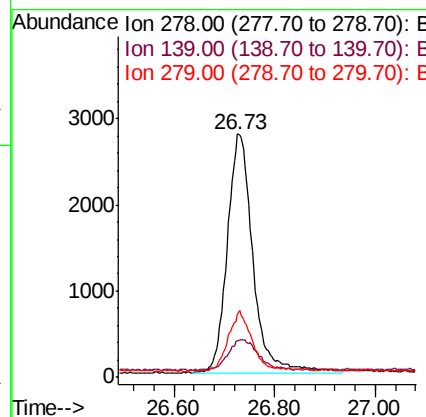
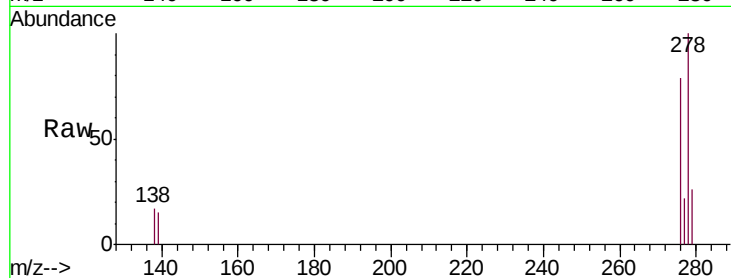


#25
Dibenzo(a,h)anthracene
Concen: 0.397 ng/ul
RT: 26.73 min Scan# 4562
Delta R.T. -0.02 min
Lab File: BE098119.D
Acq: 31 Oct 2018 16:59

Instrument :
BNA_E
ClientSampleId :
SSTD0.477

Tgt Ion: 278 Resp: 9799

Ion	Ratio	Lower	Upper
278	100		
139	14.9	10.0	15.0
279	25.9	20.3	30.5



#26
Benzo(g,h,i)perylene
Concen: 0.392 ng/ul
RT: 27.53 min Scan# 4788
Delta R.T. -0.01 min
Lab File: BE098119.D
Acq: 31 Oct 2018 16:59

Tgt Ion: 276 Resp: 9772

Ion	Ratio	Lower	Upper
276	100		
138	16.5	11.6	17.4
277	24.6	20.8	31.2

