

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP032921\
 Data File : BP005099.D
 Acq On : 30 Mar 2021 12:15
 Operator : CG/JU
 Sample : M1800-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DBHE3

Quant Time: Mar 30 12:46:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP032921MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 29 15:02:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	26623	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	110048	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.37	164	79962	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.13	188	166897	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	171388	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	173160	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	4340	6.16	ng/uL	0.00
5) Phenol-d5	6.89	99	82155	35.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	45167	37.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	59690	36.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	61079	34.88	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	30444	37.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	33068	36.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	58815	33.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	16509	8.55	ng/ul	0.01
44) Dimethylphthalate-d6	13.79	166	196554	33.85	ng/ul	0.00
47) Acenaphthylene-d8	14.06	160	235939	32.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.58	143	26388	27.83	ng/ul	0.00
58) Fluorene-d10	15.37	176	167072	33.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.49	200	32223	29.23	ng/ul	0.00
71) Anthracene-d10	17.23	188	258474	34.40	ng/ul	0.00
79) Pyrene-d10	19.47	212	294904	35.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	313033	35.19	ng/ul	0.00

Target Compounds

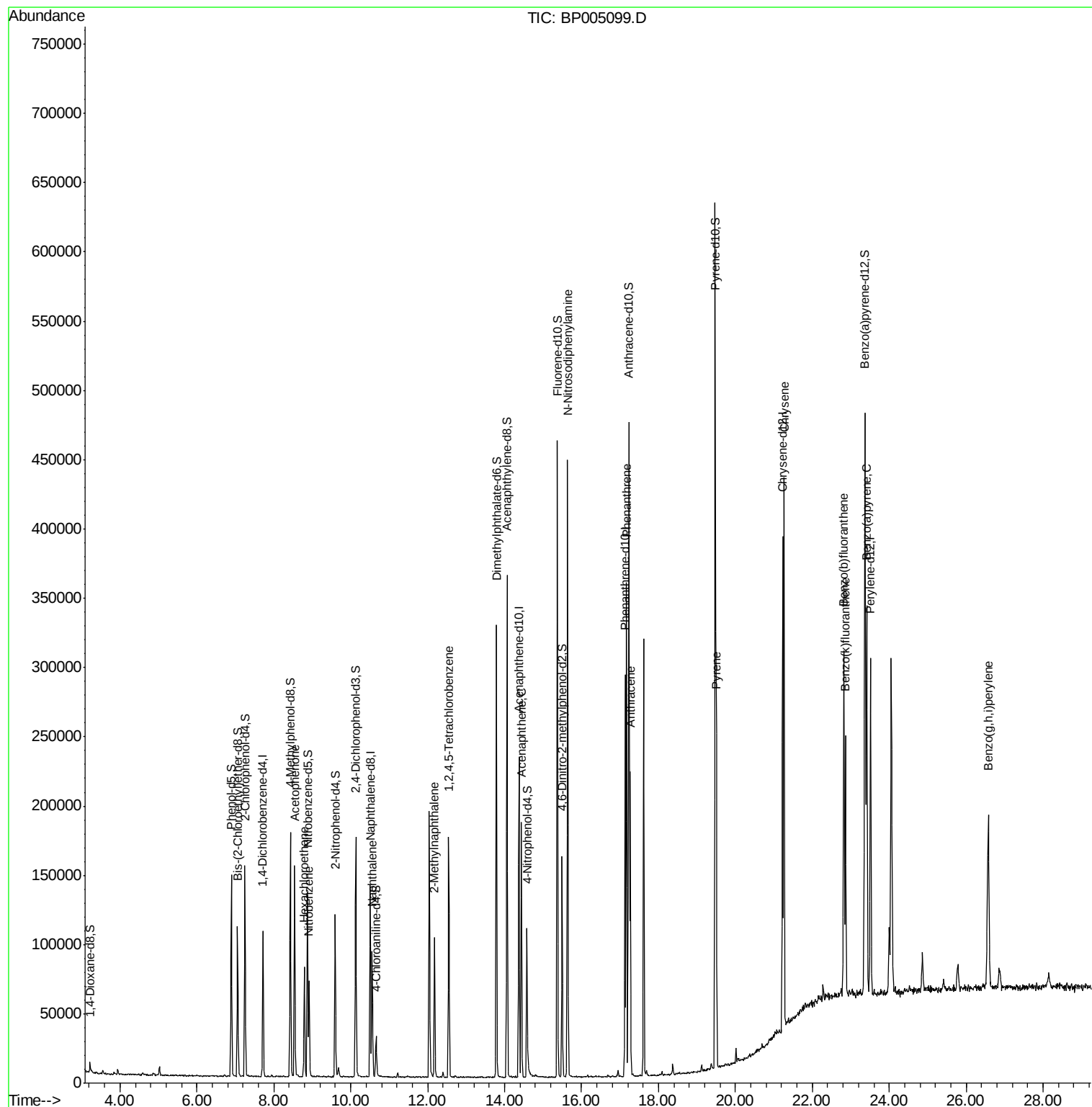
					Ovalue
14) Acetophenone	8.54	105	79892	27.312	ng/ul 96
17) Hexachloroethane	8.79	117	14656	19.244	ng/ul 90
20) Nitrobenzene	8.92	77	39718	17.413	ng/ul 96
28) Naphthalene	10.56	128	69717	12.035	ng/ul 98
34) 2-Methylnaphthalene	12.17	142	44844	10.819	ng/ul 96
37) 1,2,4,5-Tetrachlorobenzene	12.55	216	53756	20.255	ng/ul 96
50) Acenaphthene	14.43	153	68700	13.977	ng/ul 98
65) N-Nitrosodiphenylamine	15.64	169	160028	33.640	ng/ul 98
70) Phenanthrene	17.17	178	205986	22.976	ng/ul 99
72) Anthracene	17.26	178	131075	14.465	ng/ul 99
80) Pyrene	19.50	202	130341	12.297	ng/ul 100
85) Chrysene	21.26	228	190782	18.413	ng/ul 98
88) Benzo(b)fluoranthene	22.82	252	159583	14.382	ng/ul 99
89) Benzo(k)fluoranthene	22.86	252	123460	11.346	ng/ul 98
91) Benzo(a)pyrene	23.42	252	194056	20.152	ng/ul 97
94) Benzo(g,h,i)perylene	26.57	276	156959	15.175	ng/ul 98

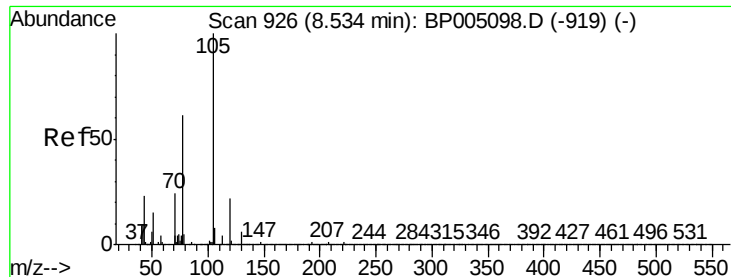
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 27.312 ng/ul

RT: 8.54 min Scan# 927

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Instrument :

BNA_P

ClientSampleId :

DBHE3

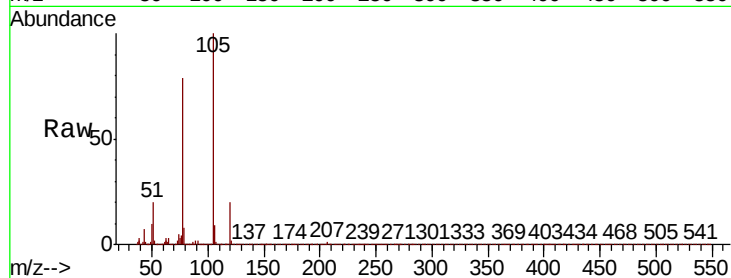
Tot Ion:105 Resp: 79892

Ion Ratio Lower Upper

105 100

77 78.9 66.0 99.0

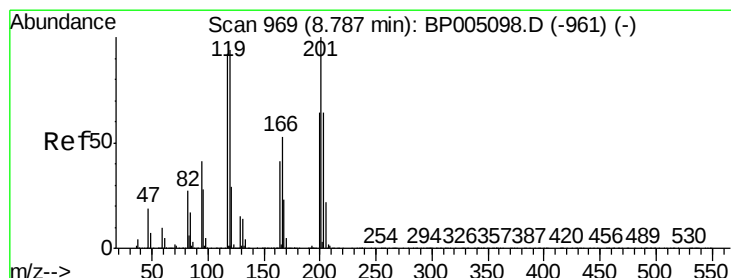
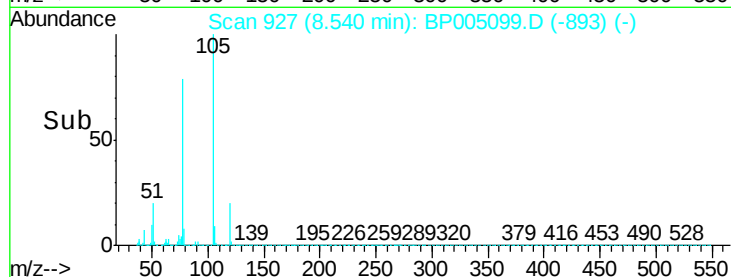
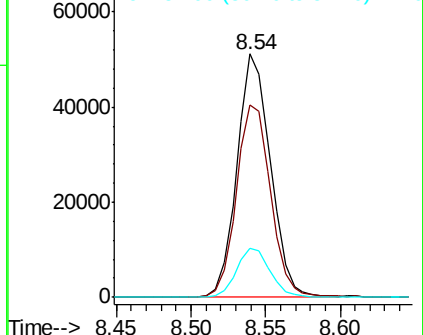
51 19.9 17.0 25.4



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 51.00 (50.70 to 51.70): BP0



#17

Hexachloroethane

Concen: 19.244 ng/ul

RT: 8.79 min Scan# 969

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

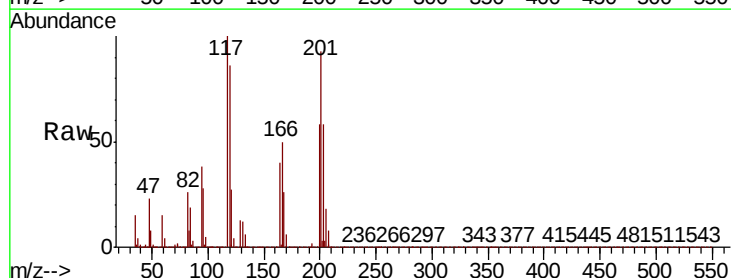
Tgt Ion:117 Resp: 14656

Ion Ratio Lower Upper

117 100

201 93.2 81.6 122.4

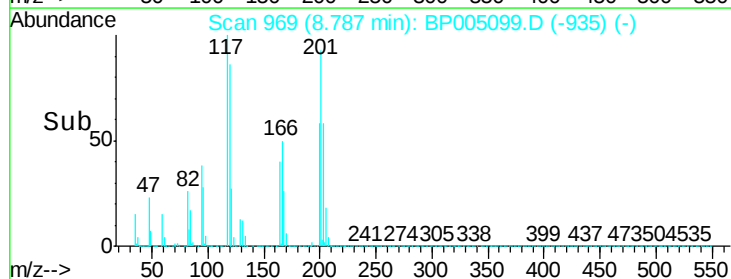
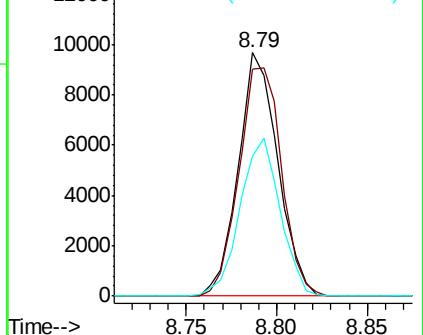
199 57.7 53.9 80.9

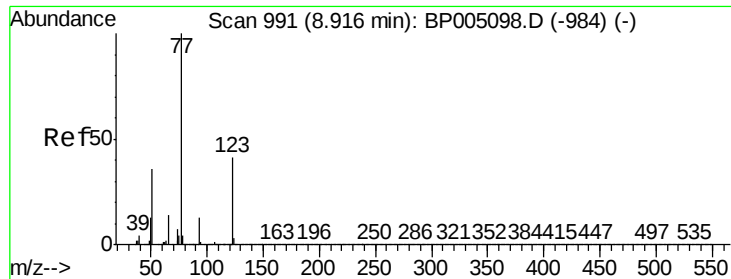


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

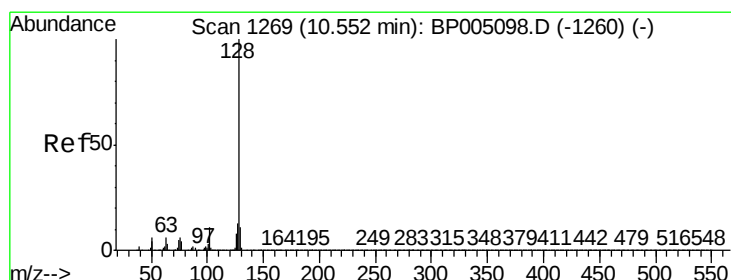
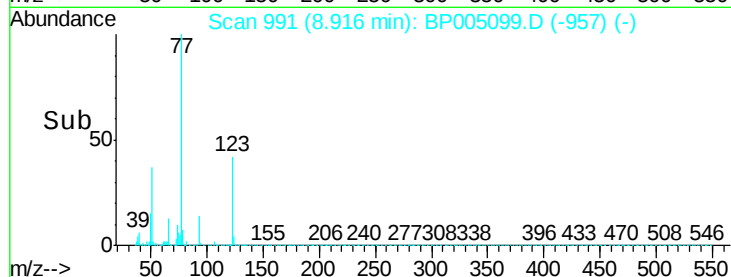
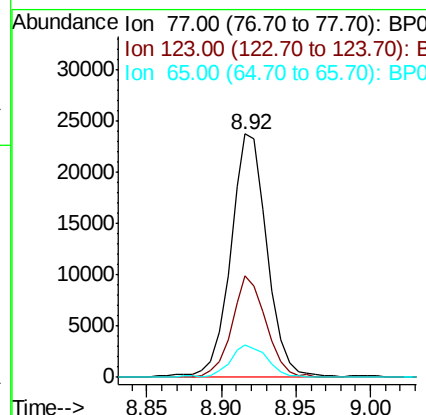
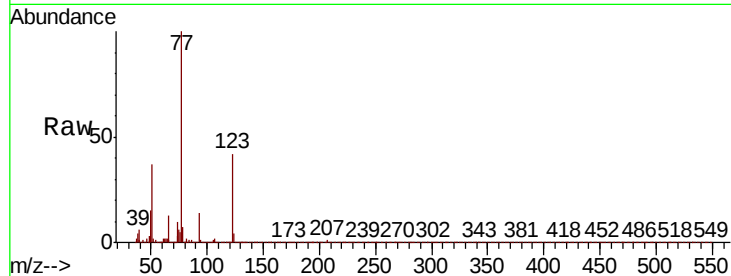




#20
Nitrobenzene
Concen: 17.413 ng/ul
RT: 8.92 min Scan# 991
Delta R.T. -0.00 min
Lab File: BP005099.D
Acq: 30 Mar 2021 12:15

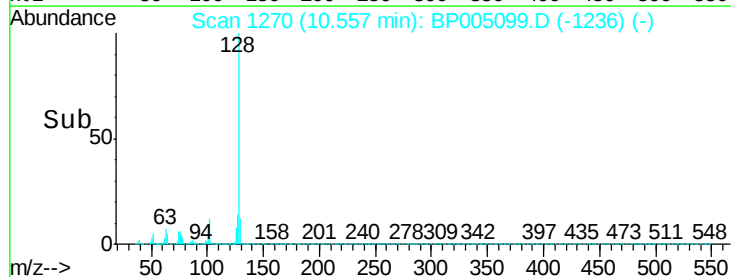
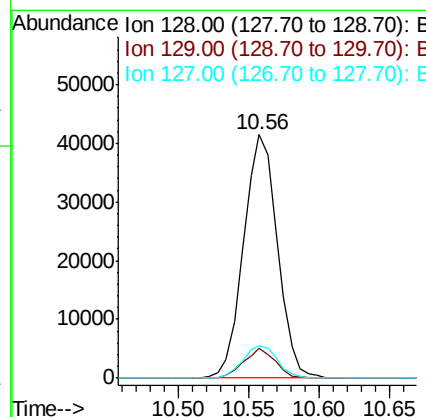
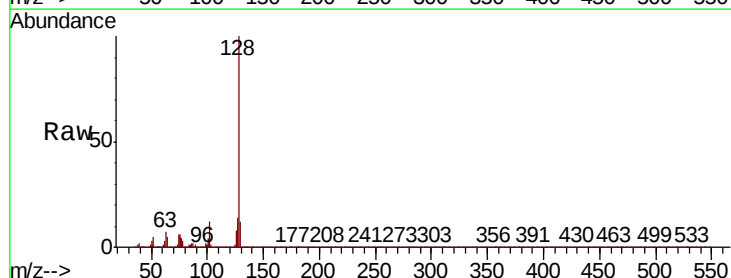
Instrument :
BNA_P
ClientSampleId :
DBHE3

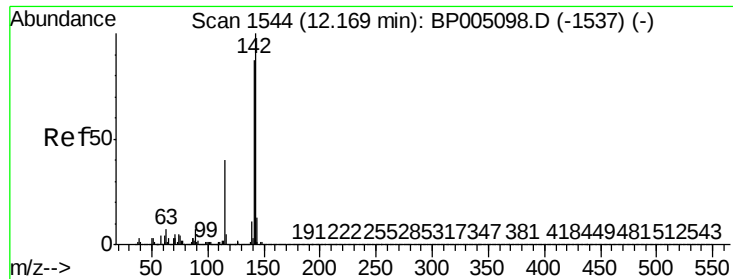
Tot Ion	Ratio	Lower	Upper
77	100		
123	41.9	31.5	47.3
65	13.5	12.0	18.0



#28
Naphthalene
Concen: 12.035 ng/ul
RT: 10.56 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BP005099.D
Acq: 30 Mar 2021 12:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.0	13.6
127	13.5	10.3	15.5





#34

2-Methylnaphthalene

Concen: 10.819 ng/ul

RT: 12.17 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Instrument :

BNA_P

ClientSampleId :

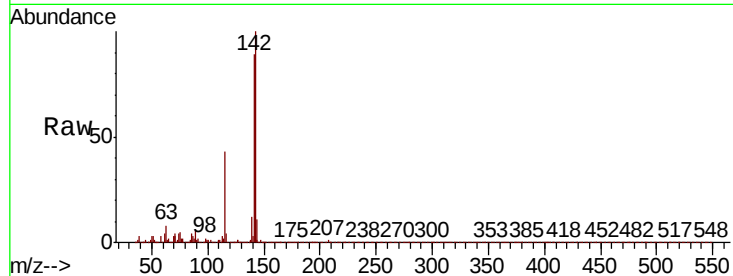
DBHE3

Tot Ion:142 Resp: 44844

Ion Ratio Lower Upper

142 100

141 89.4 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

30000

25000

20000

15000

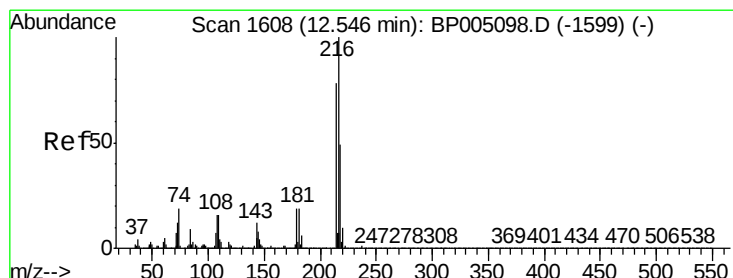
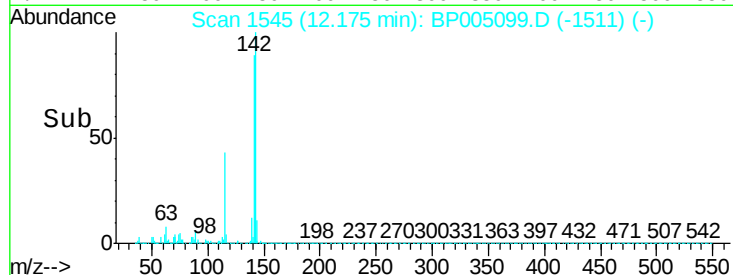
10000

5000

0

12.15 12.20

12.17



#37

1,2,4,5-Tetrachlorobenzene

Concen: 20.255 ng/ul

RT: 12.55 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Tgt Ion:216 Resp: 53756

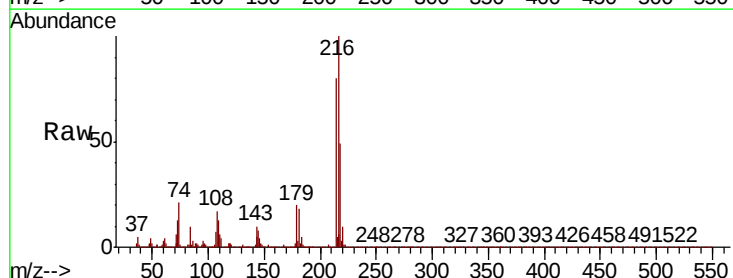
Ion Ratio Lower Upper

216 100

214 80.0 61.4 92.0

179 20.5 20.0 30.0

108 16.9 13.8 20.8



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

50000

40000

30000

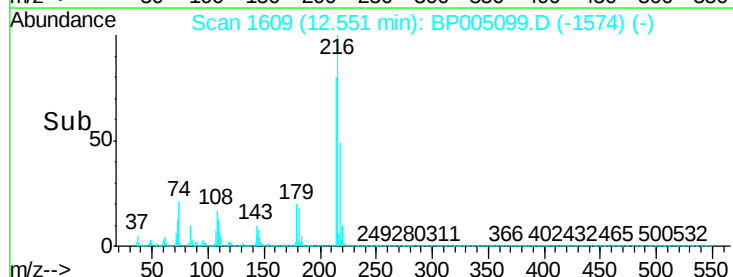
20000

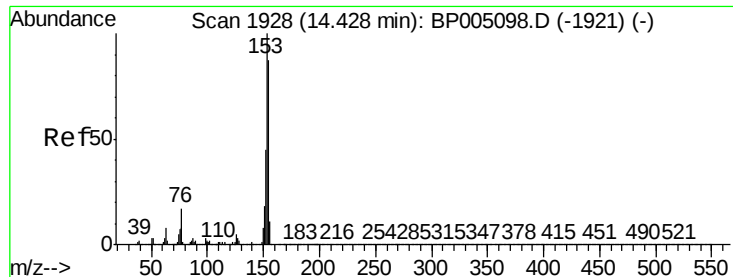
10000

0

12.50 12.55 12.60

12.55





#50

Acenaphthene

Concen: 13.977 ng/ul

RT: 14.43 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Instrument :

BNA_P

ClientSampleId :

DBHE3

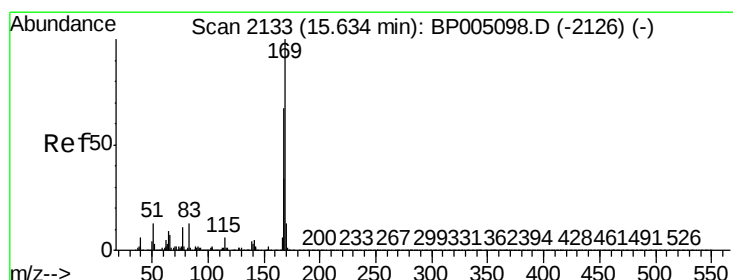
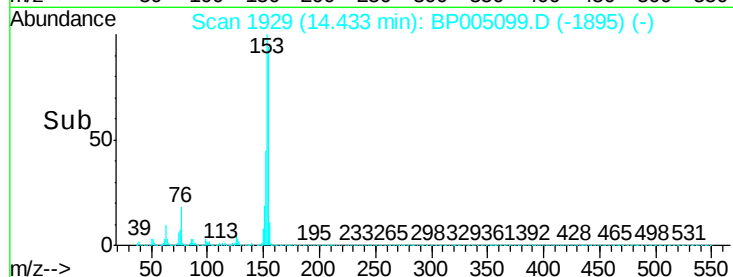
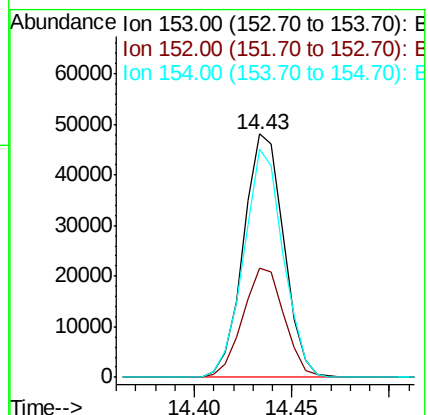
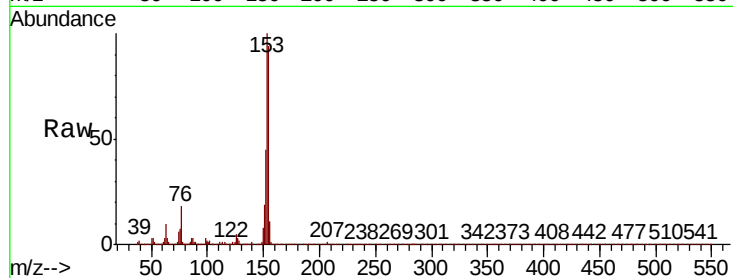
Tot Ion:153 Resp: 68700

Ion Ratio Lower Upper

153 100

152 45.1 37.5 56.3

154 93.6 73.4 110.0



#65

N-Nitrosodiphenylamine

Concen: 33.640 ng/ul

RT: 15.64 min Scan# 2134

Delta R.T. 0.01 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

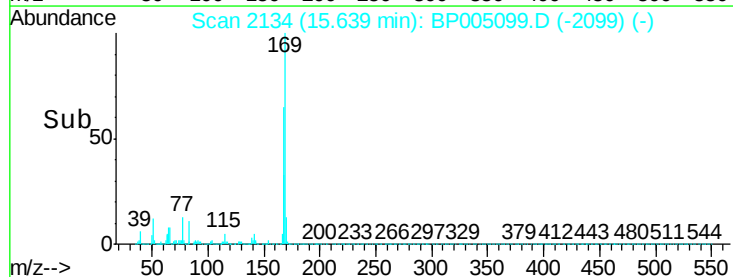
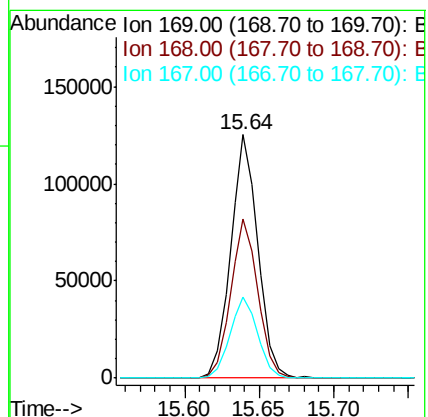
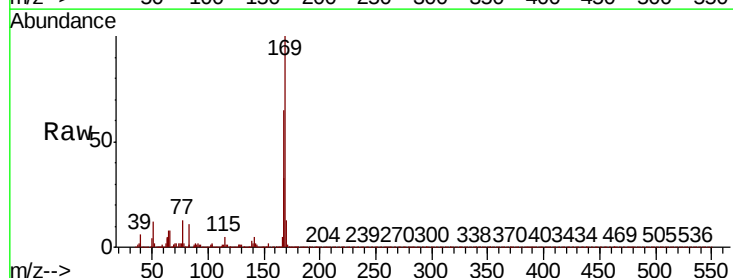
Tgt Ion:169 Resp: 160028

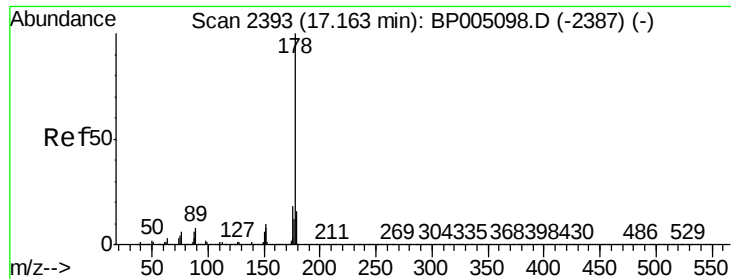
Ion Ratio Lower Upper

169 100

168 65.2 51.8 77.8

167 33.2 28.5 42.7





#70

Phenanthrene

Concen: 22.976 ng/ul

RT: 17.17 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Instrument :

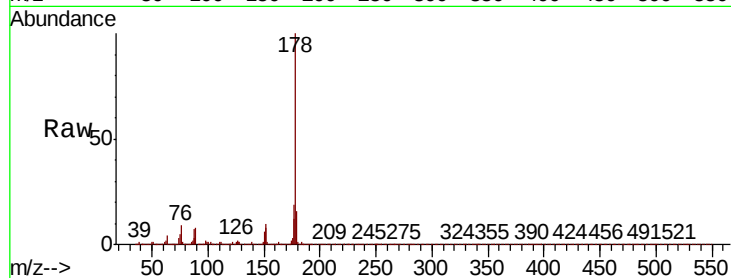
BNA_P

ClientSampleId :

DBHE3

Tot Ion:178 Resp: 205986

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.0	15.0	22.4

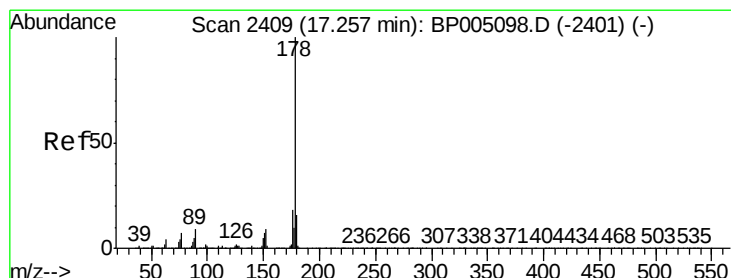
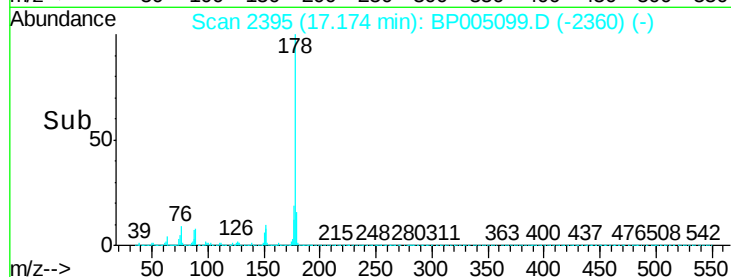
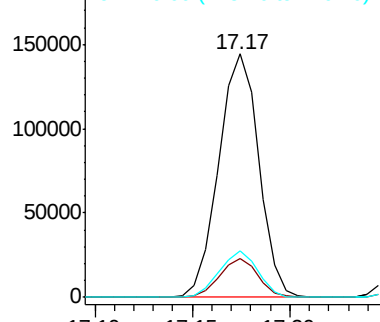


Abundance

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



#72

Anthracene

Concen: 14.465 ng/ul

RT: 17.26 min Scan# 2410

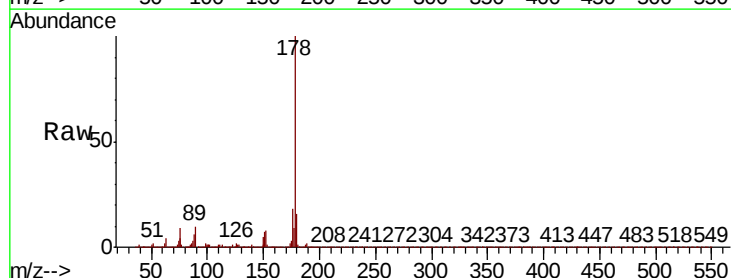
Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Tgt Ion:178 Resp: 131075

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	17.8	13.8	20.8

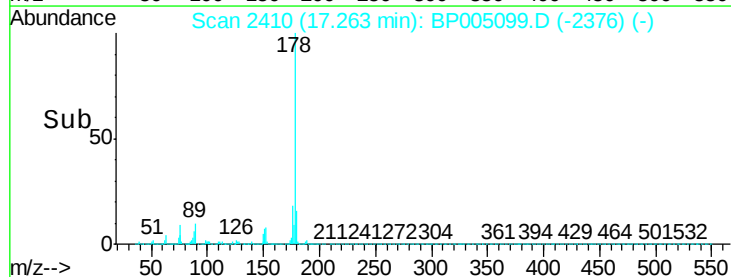
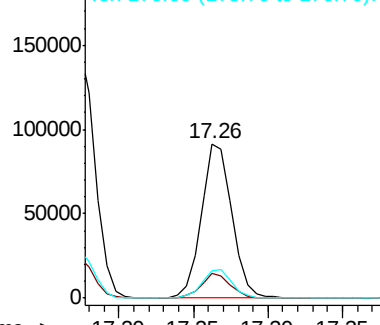


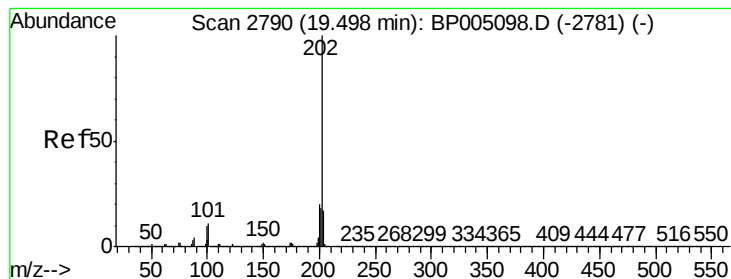
Abundance

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





#80

Pvrene

Concen: 12.297 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

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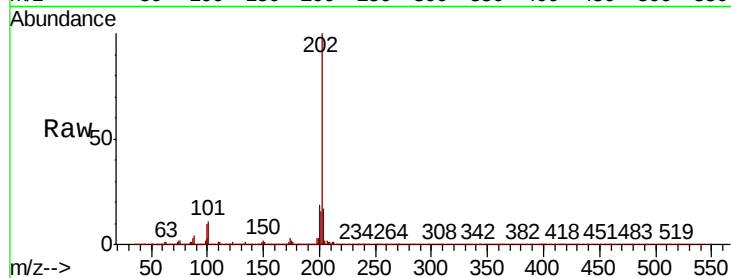
Tot Ion:202 Resp: 130341

Ion Ratio Lower Upper

202 100

101 11.5 9.3 13.9

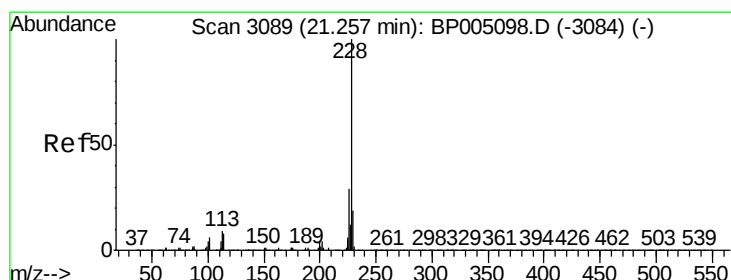
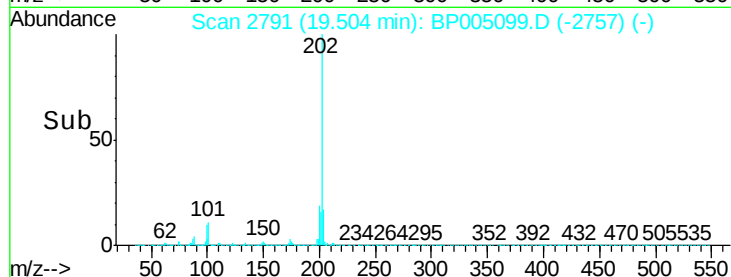
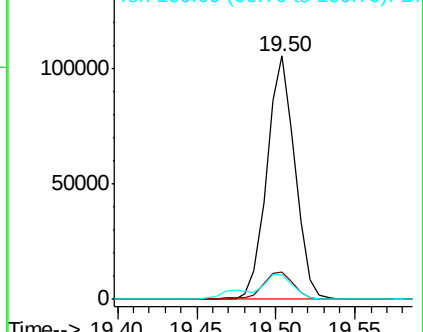
100 10.1 8.2 12.4



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



#85

Chrysene

Concen: 18.413 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

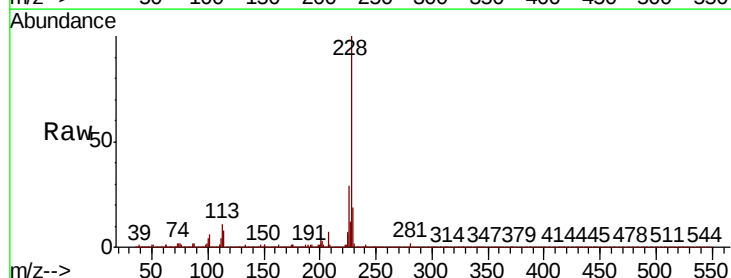
Tgt Ion:228 Resp: 190782

Ion Ratio Lower Upper

228 100

226 28.5 21.9 32.9

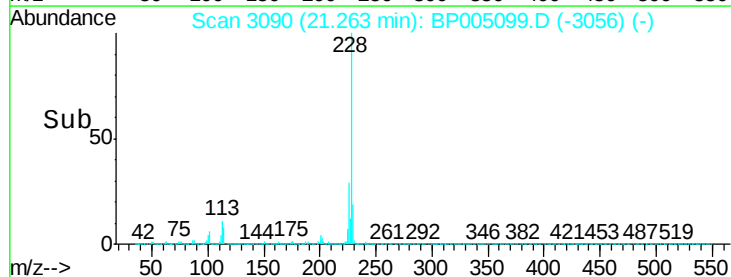
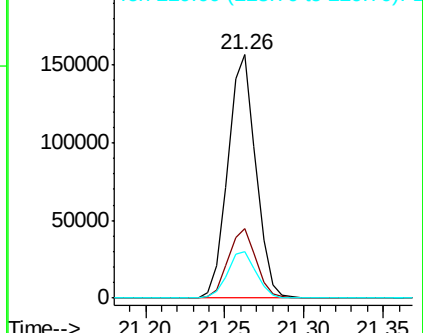
229 19.1 15.0 22.4

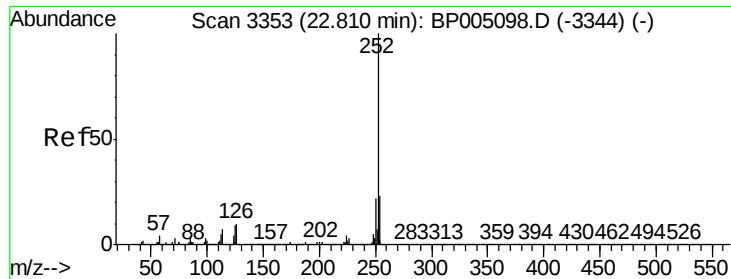


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 14.382 ng/uL

RT: 22.82 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Instrument :

BNA_P

ClientSampleId :

DBHE3

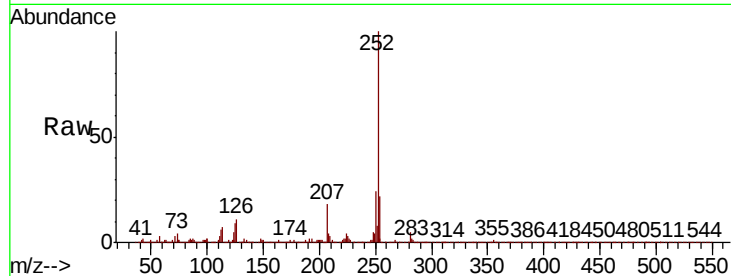
Tot Ion:252 Resp: 159583

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 8.9 7.4 11.2

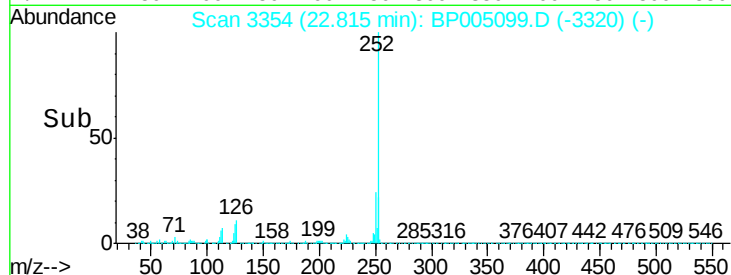


Abundance Ion 252.00 (251.70 to 252.70): E

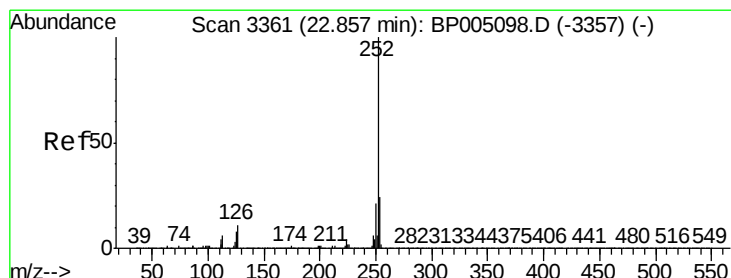
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#89

Benzo(k)fluoranthene

Concen: 11.346 ng/uL

RT: 22.86 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

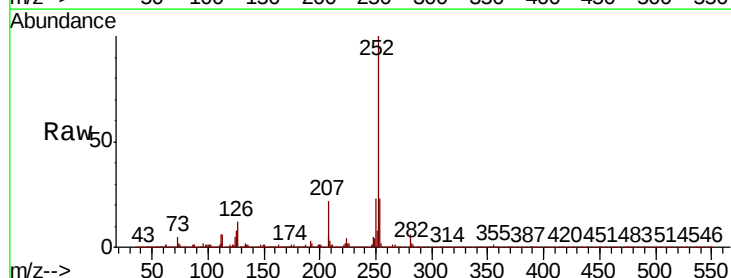
Tgt Ion:252 Resp: 123460

Ion Ratio Lower Upper

252 100

253 22.6 18.8 28.2

125 7.9 6.8 10.2

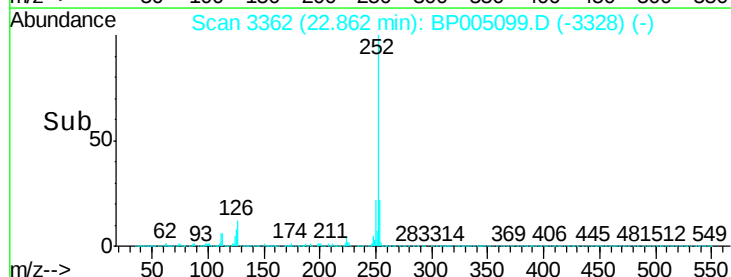


Abundance Ion 252.00 (251.70 to 252.70): E

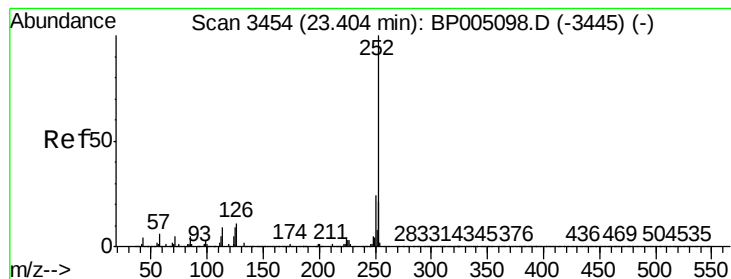
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#91

Benzo(a)pyrene

Concen: 20.152 ng/ul

RT: 23.42 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

Instrument :

BNA_P

ClientSampleId :

DBHE3

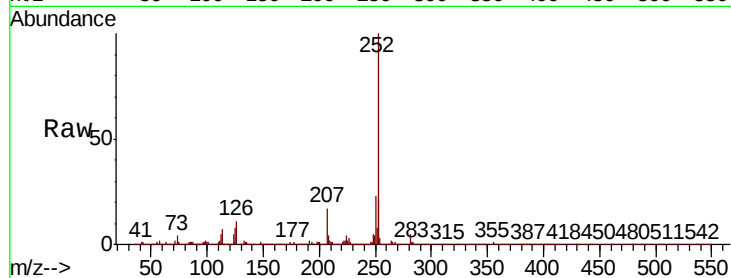
Tot Ion:252 Resp: 194056

Ion Ratio Lower Upper

252 100

253 20.8 17.7 26.5

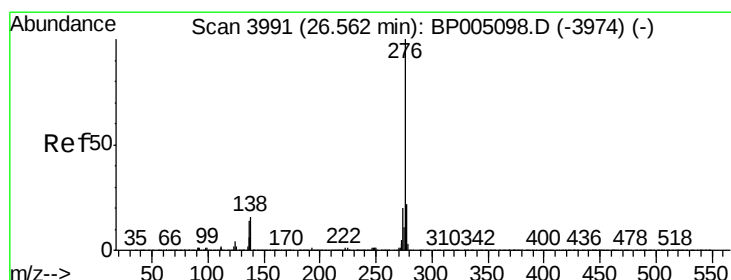
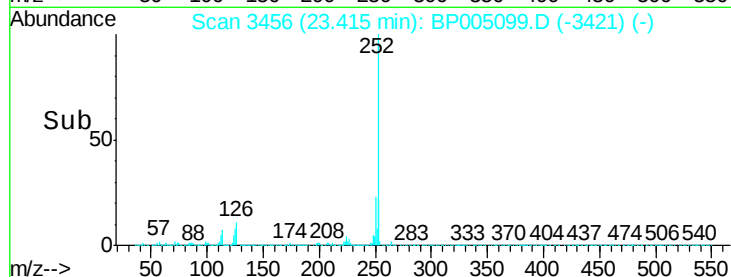
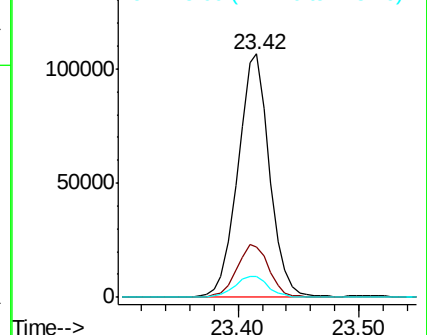
125 8.5 7.9 11.9



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



#94

Benzo(g,h,i)perylene

Concen: 15.175 ng/ul

RT: 26.57 min Scan# 3993

Delta R.T. 0.01 min

Lab File: BP005099.D

Acq: 30 Mar 2021 12:15

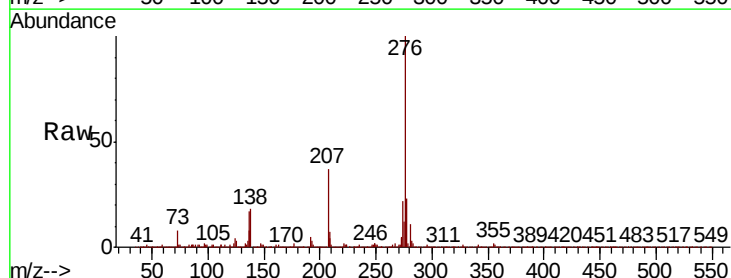
Tgt Ion:276 Resp: 156959

Ion Ratio Lower Upper

276 100

138 17.6 13.2 19.8

277 22.6 17.3 25.9



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

