

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121119\
 Data File : BM024040.D
 Acq On : 11 Dec 2019 19:04
 Operator : JU
 Sample : K6088-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BM8

Quant Time: Dec 12 00:44:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 07 04:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	402583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.25	136	1724802	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.13	164	1099557	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	2283782	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	1739739	20.00	ng/ul	0.00
86) Perylene-d12	23.23	264	1858747	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.03	96	24943	2.76	ng/uL	0.00
5) Phenol-d5	6.67	99	531215	15.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	346543	16.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.01	132	419549	15.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.19	113	429114	15.41	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	207389	15.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	223180	14.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.88	165	429576	14.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.40	131	420166	13.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.56	166	1546905	18.11	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	1756730	17.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	141904	9.88	ng/ul	0.00
58) Fluorene-d10	15.13	176	1375837	19.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	181072	12.63	ng/ul	0.00
71) Anthracene-d10	16.99	188	2087536	19.14	ng/ul	0.00
79) Pyrene-d10	19.29	212	2123746	23.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.10	264	1901895	19.36	ng/ul	-0.01

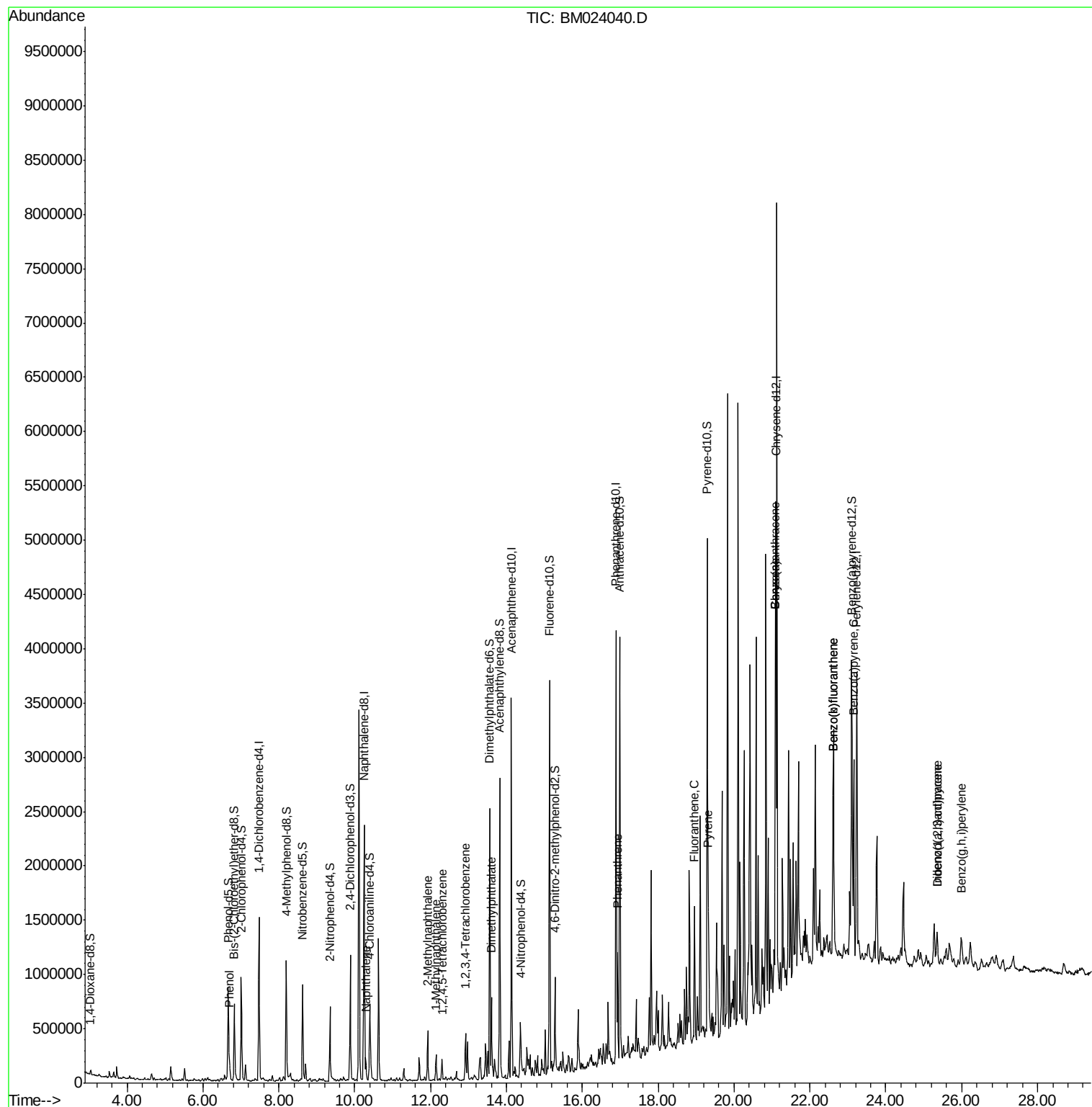
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Phenol	6.69	94	59824	1.648	ng/ul	94
28) Naphthalene	10.29	128	162879	1.791	ng/ul	98
34) 2-Methylnaphthalene	11.92	142	220236	3.336	ng/ul	97
35) 1-Methylnaphthalene	12.15	142	112632	1.738	ng/ul	99
37) 1,2,4,5-Tetrachlorobenzene	12.30	216	57989	1.691	ng/ul	98
45) Dimethylphthalate	13.60	163	456236	5.455	ng/ul	100
70) Phenanthrene	16.93	178	574602	4.454	ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	12.92	216	126205	3.674	ng/uL	98
77) Fluoranthene	18.96	202	608295	4.397	ng/ul	99
80) Pyrene	19.32	202	738144	6.297	ng/ul	100
83) Benzo(a)anthracene	21.08	228	586307	5.042	ng/ul	96
85) Chrysene	21.08	228	602690	5.519	ng/ul	96
88) Benzo(b)fluoranthene	22.60	252	580213	5.048	ng/ul#	94
89) Benzo(k)fluoranthene	22.60	252	580213	5.317	ng/ul#	93
91) Benzo(a)pyrene	23.14	252	422543	3.888	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.35	276	221743	1.643	ng/ul	96
93) Dibenzo(a,h)anthracene	25.36	278	169888	1.499	ng/ul#	77
94) Benzo(g,h,i)perylene	25.99	276	279276	2.471	ng/ul	99

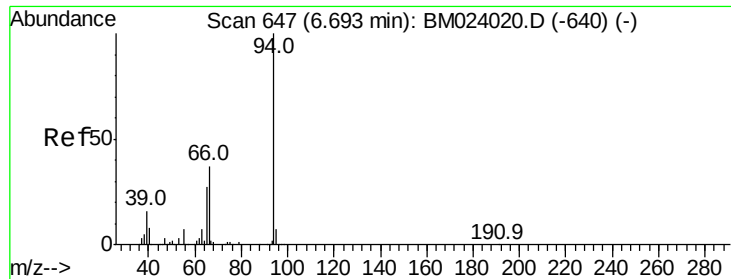
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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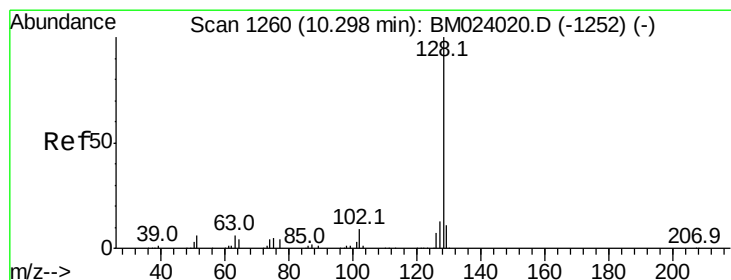
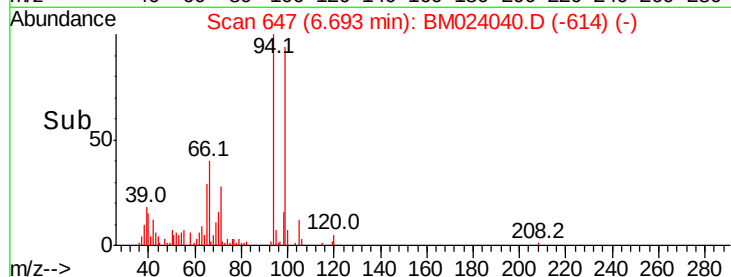
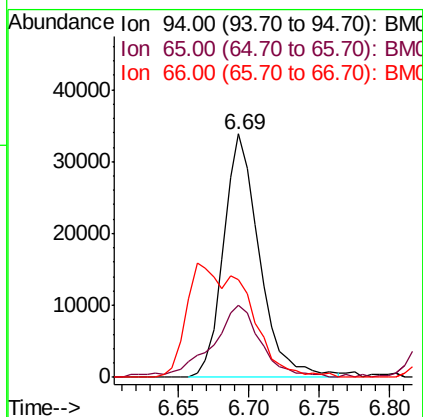
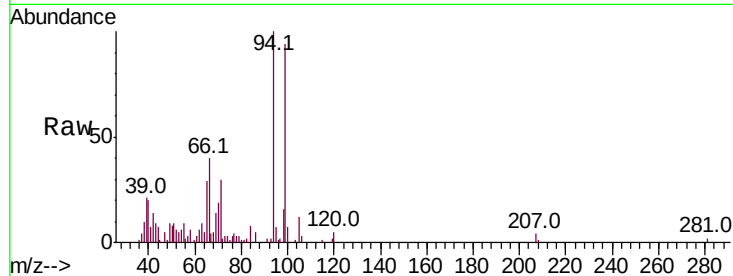
#6

Phenol

Concen: 1.648 ng/ul
 RT: 6.69 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BM024040.D
 Acq: 11 Dec 2019 19:04

Instrument :
 BNA_M
 ClientSampleId :
 C0BM8

Tot Ion: 94 Resp: 59824
 Ion Ratio Lower Upper
 94 100
 65 29.4 21.7 32.5
 66 40.2 28.8 43.2

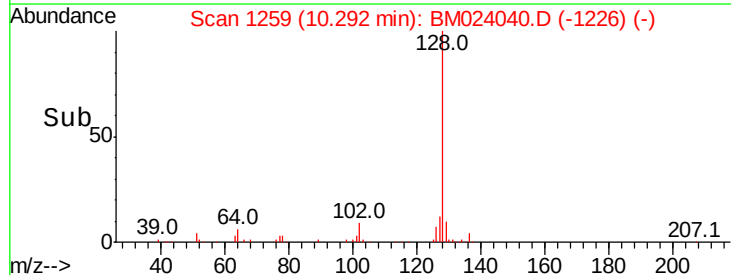
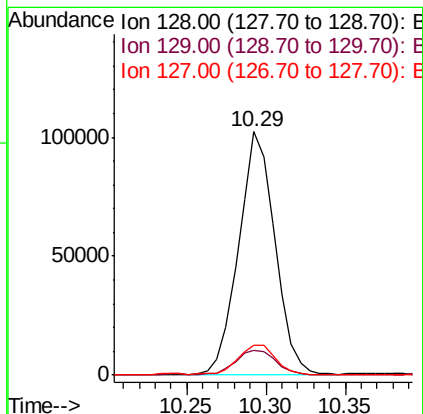
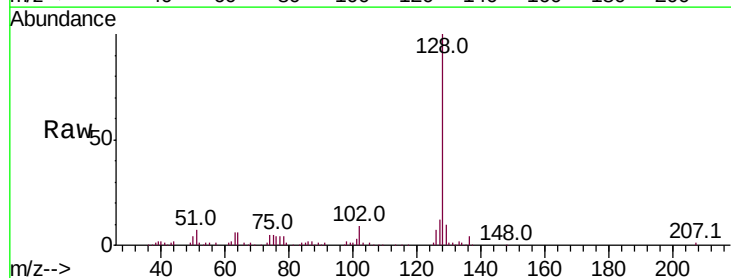


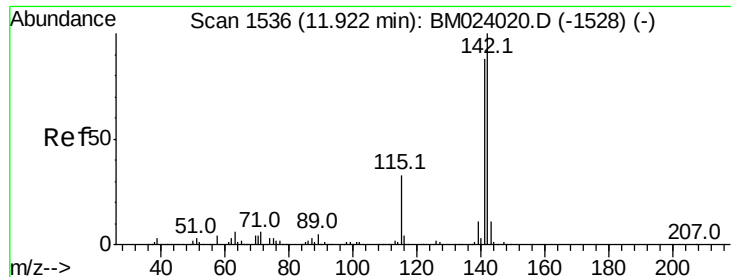
#28

Naphthalene

Concen: 1.791 ng/ul
 RT: 10.29 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: BM024040.D
 Acq: 11 Dec 2019 19:04

Tgt Ion: 128 Resp: 162879
 Ion Ratio Lower Upper
 128 100
 129 9.9 8.8 13.2
 127 12.5 10.5 15.7

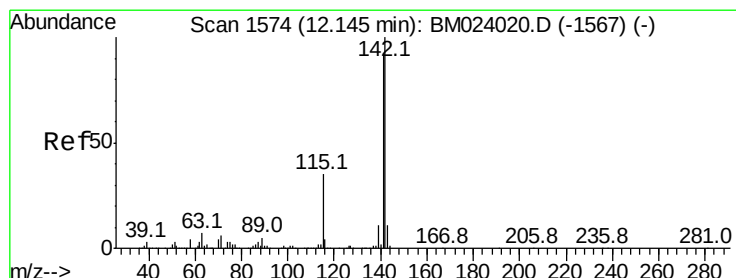
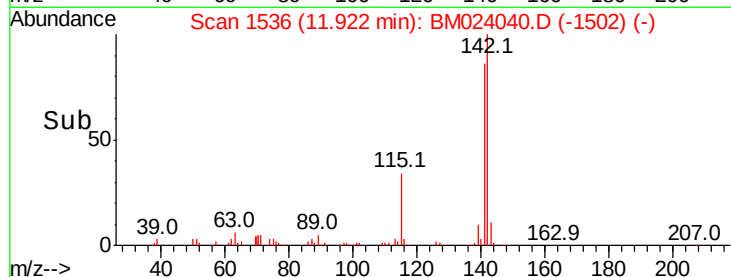
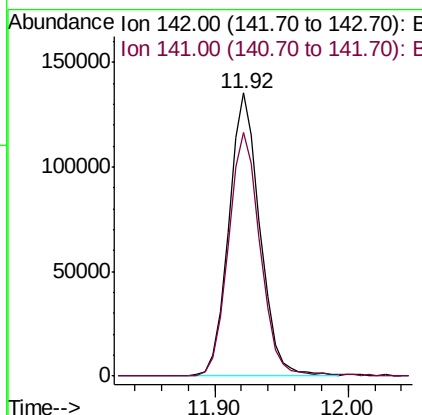
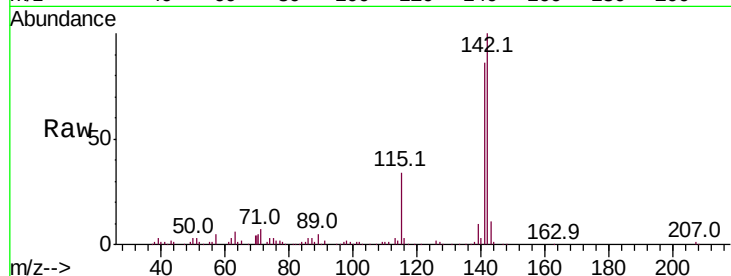




#34
2-Methylnaphthalene
Concen: 3.336 ng/ul
RT: 11.92 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

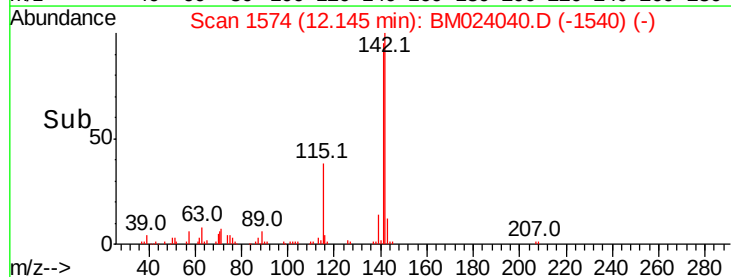
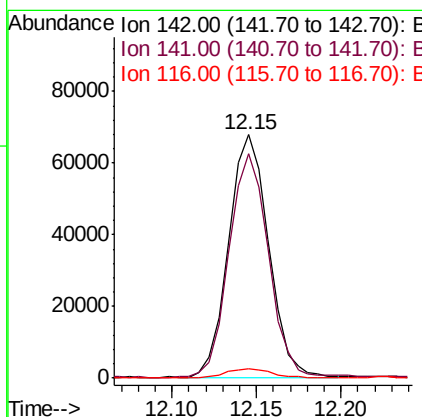
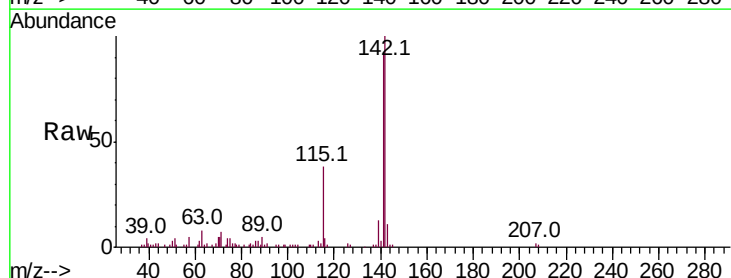
Instrument :
BNA_M
ClientSampleId :
C0BM8

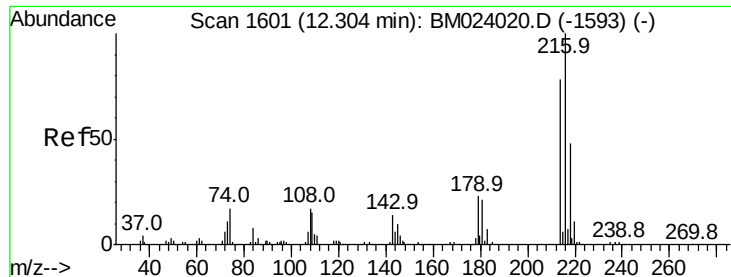
Tot Ion:142 Resp: 220236
Ion Ratio Lower Upper
142 100
141 86.2 71.3 106.9



#35
1-Methylnaphthalene
Concen: 1.738 ng/ul
RT: 12.15 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:142 Resp: 112632
Ion Ratio Lower Upper
142 100
141 92.1 74.2 111.4
116 3.9 3.0 4.4

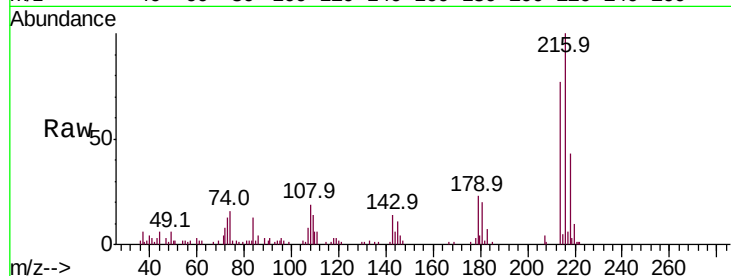




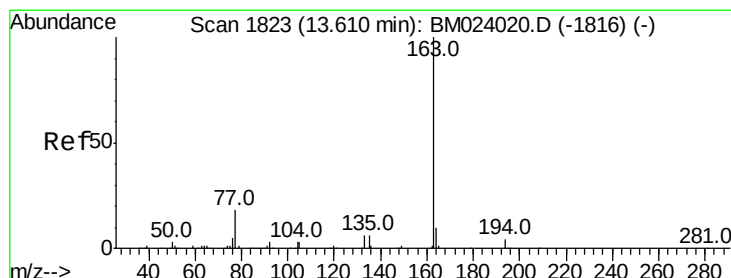
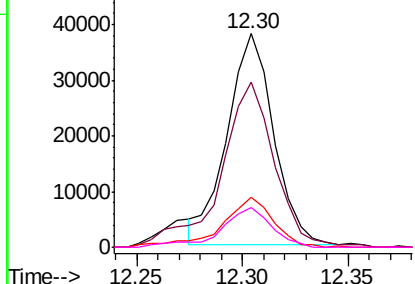
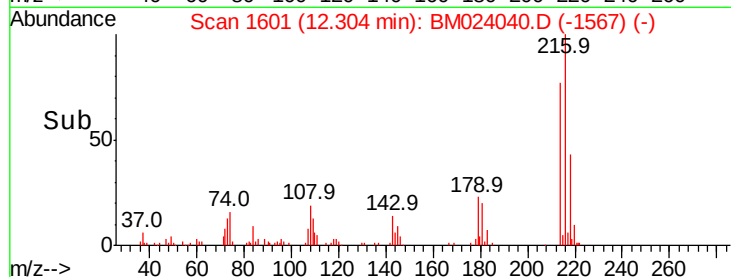
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.691 ng/ul
 RT: 12.30 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: BM024040.D
 Acq: 11 Dec 2019 19:04

Instrument :
 BNA_M
 ClientSampleId :
 C0BM8

Tot Ion:	216	Resp:	57989
Ion	Ratio	Lower	Upper
216	100		
214	77.3	63.0	94.6
179	23.4	18.1	27.1
108	18.7	13.4	20.0

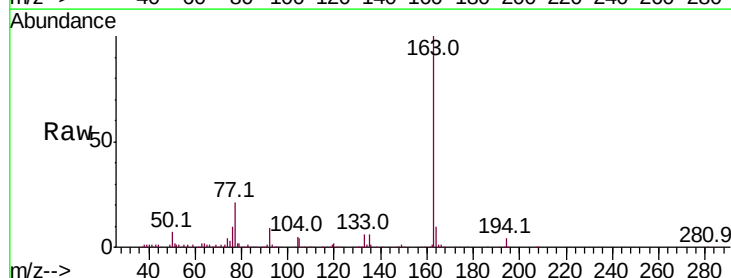


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

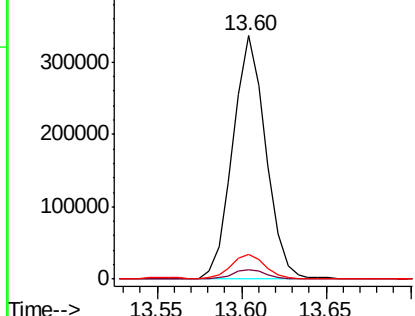
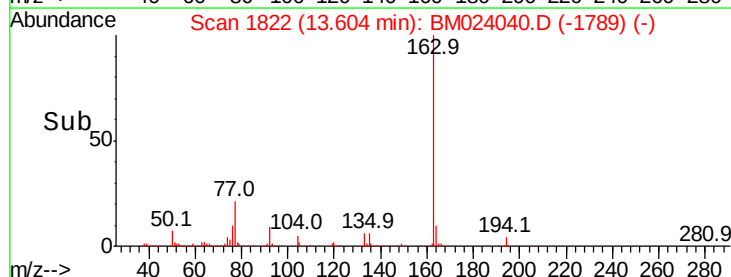


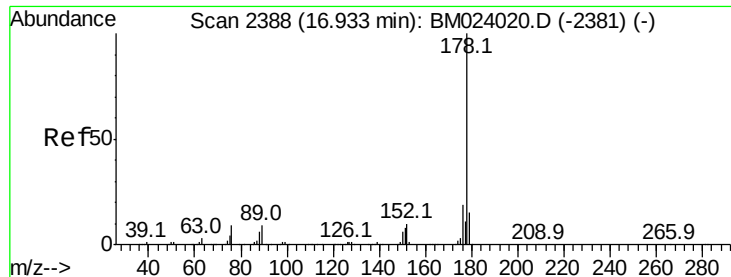
#45
 Dimethylphthalate
 Concen: 5.455 ng/ul
 RT: 13.60 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BM024040.D
 Acq: 11 Dec 2019 19:04

Tgt Ion:	163	Resp:	456236
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	7.9	11.9



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#70

Phenanthrene

Concen: 4.454 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

Instrument :

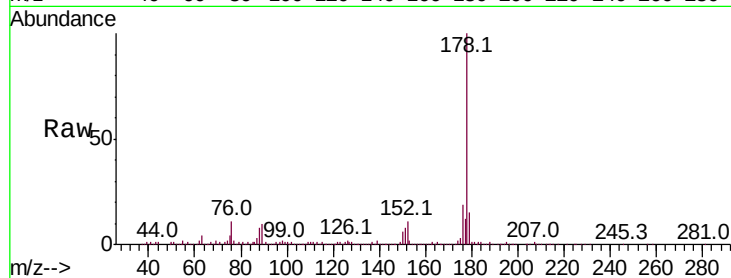
BNA_M

ClientSampleId :

C0BM8

Tot Ion:178 Resp: 574602

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	19.2	15.1	22.7

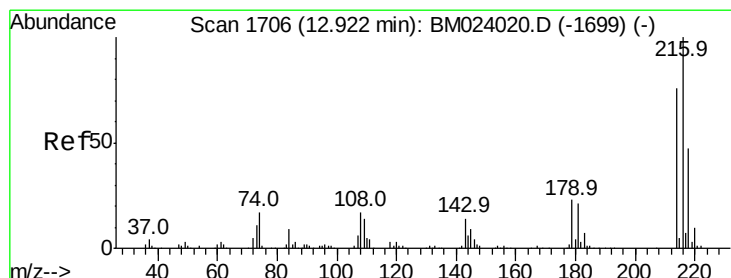
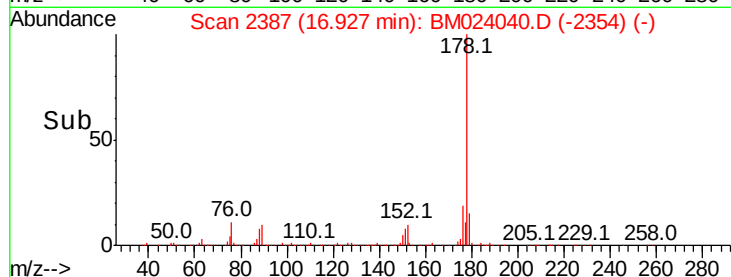
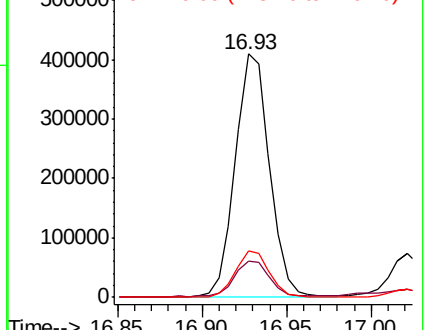


Abundance

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



#73

1,2,3,4-Tetrachlorobenzene

Concen: 3.674 ng/uL

RT: 12.92 min Scan# 1706

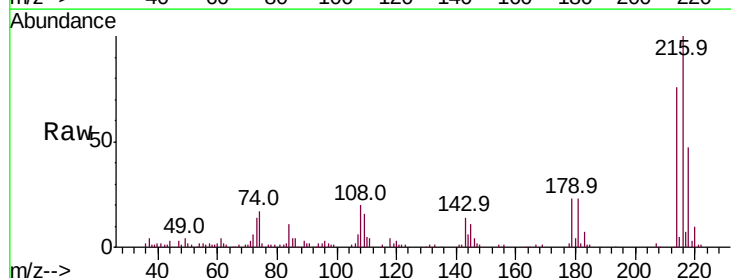
Delta R.T. 0.00 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

Tgt Ion:216 Resp: 126205

Ion	Ratio	Lower	Upper
216	100		
214	76.2	62.7	94.1
218	46.9	38.0	57.0

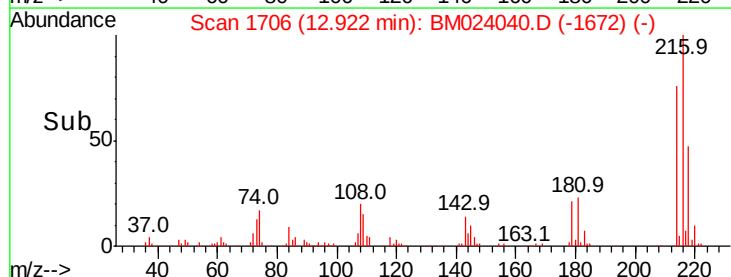
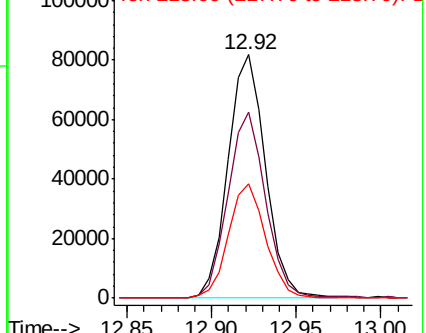


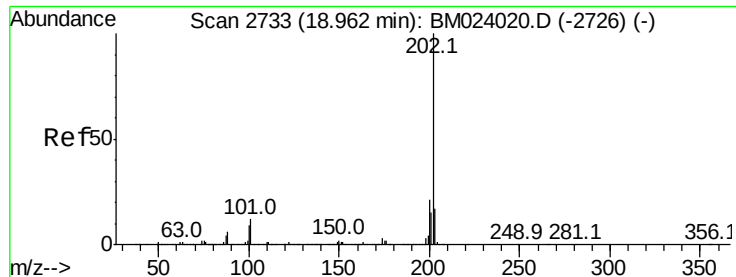
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E





#77

Fluoranthene

Concen: 4.397 ng/ul

RT: 18.96 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

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C0BM8

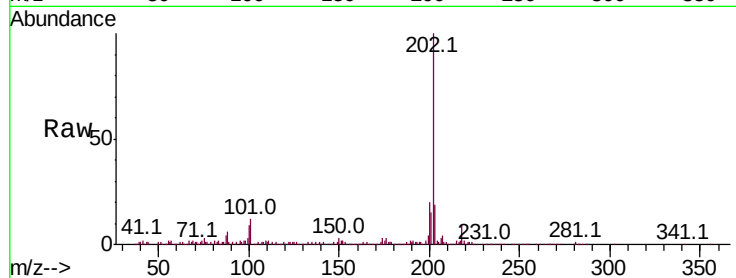
Tot Ion:202 Resp: 608295

Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

100 9.2 7.8 11.6

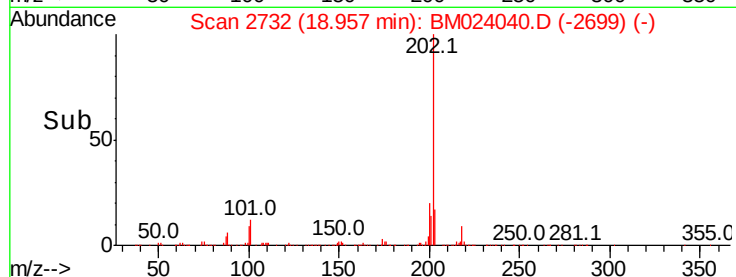


Abundance Ion 202.00 (201.70 to 202.70): E

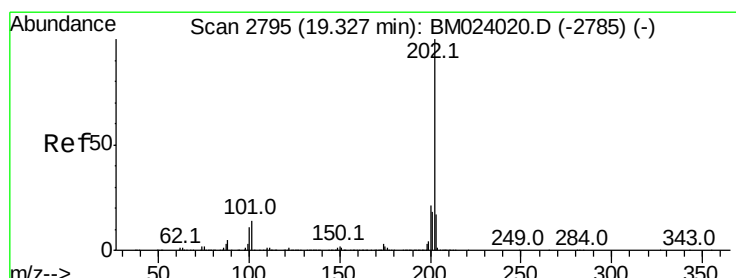
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

18.96



Time-->



#80

Pyrene

Concen: 6.297 ng/ul

RT: 19.32 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

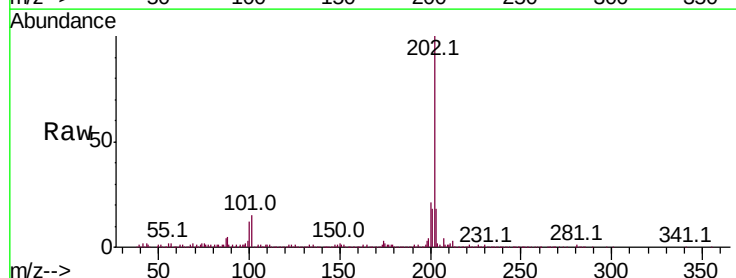
Tgt Ion:202 Resp: 738144

Ion Ratio Lower Upper

202 100

101 14.7 11.8 17.6

100 11.8 9.8 14.6

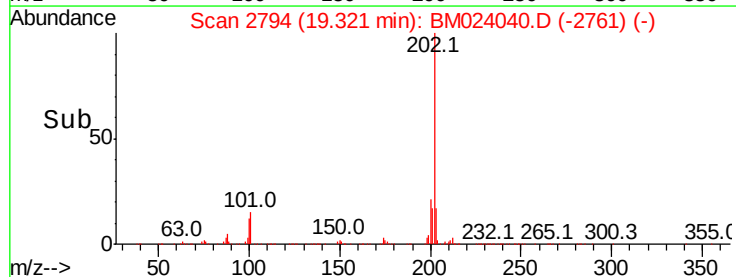


Abundance Ion 202.00 (201.70 to 202.70): E

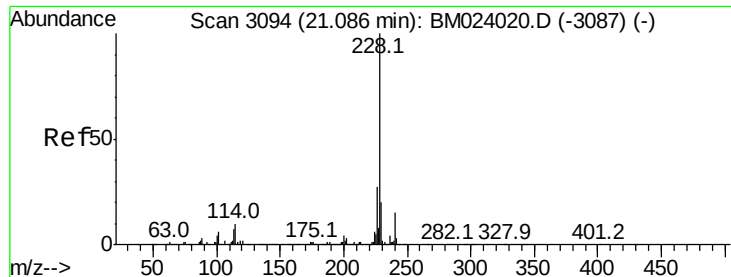
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.32



Time-->



#83

Benzo(a)anthracene

Concen: 5.042 ng/ul

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

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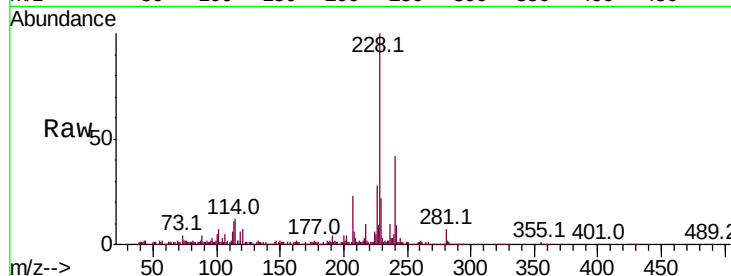
Tot Ion:228 Resp: 586307

Ion Ratio Lower Upper

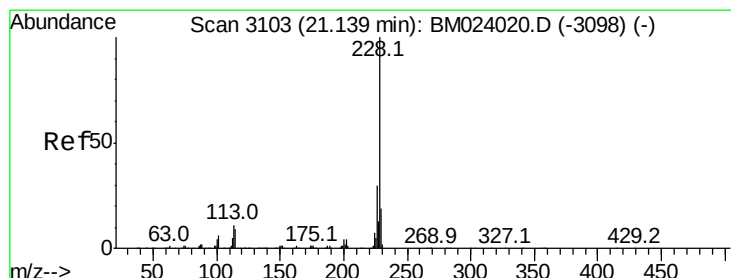
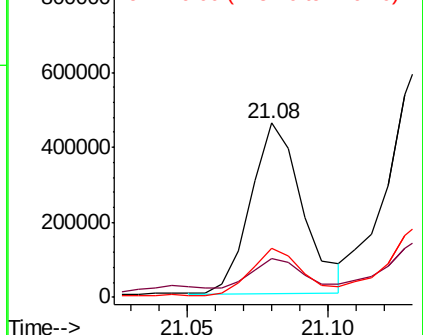
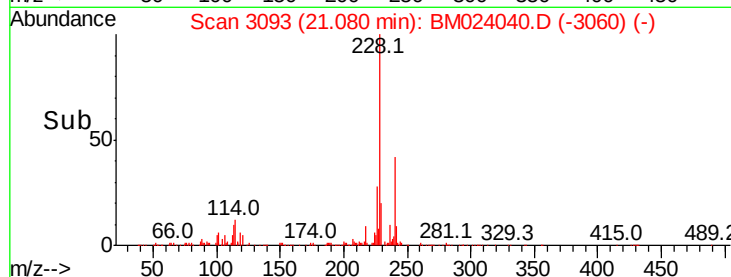
228 100

229 22.1 15.6 23.4

226 28.2 21.4 32.0



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



#85

Chrysene

Concen: 5.519 ng/ul

RT: 21.08 min Scan# 3093

Delta R.T. -0.06 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

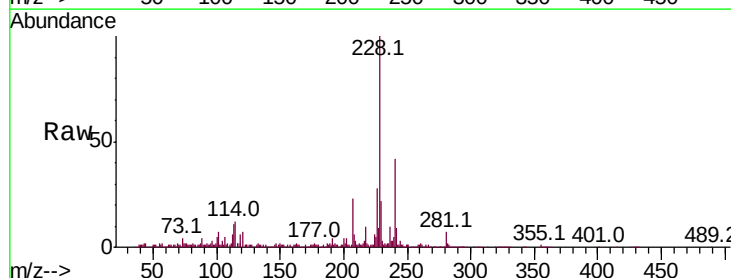
Tgt Ion:228 Resp: 602690

Ion Ratio Lower Upper

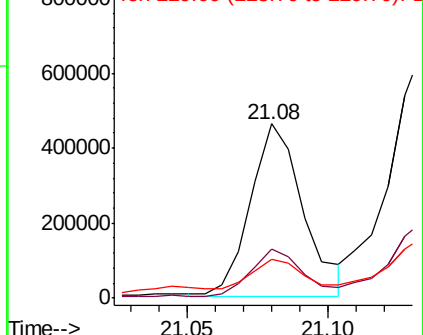
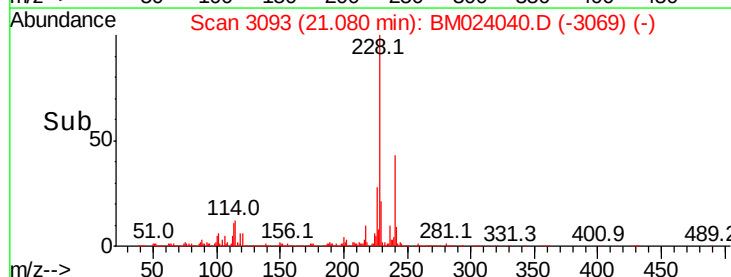
228 100

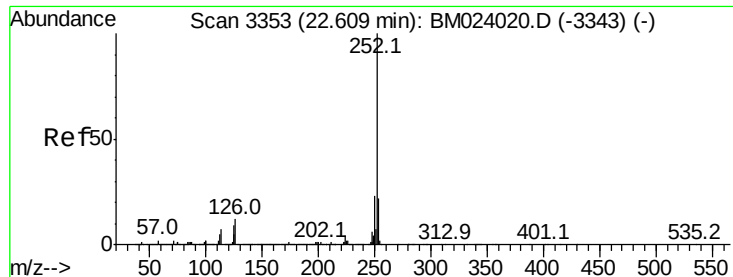
226 28.2 23.4 35.2

229 22.1 15.3 22.9



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: 5.048 ng/ul

RT: 22.60 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

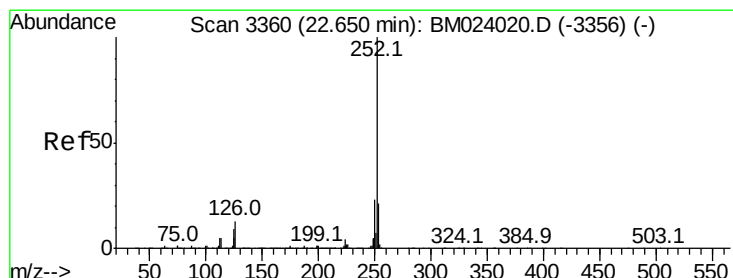
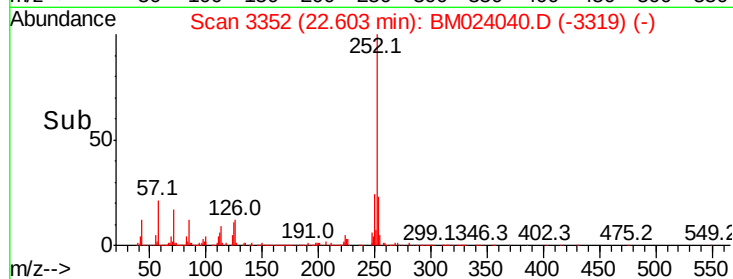
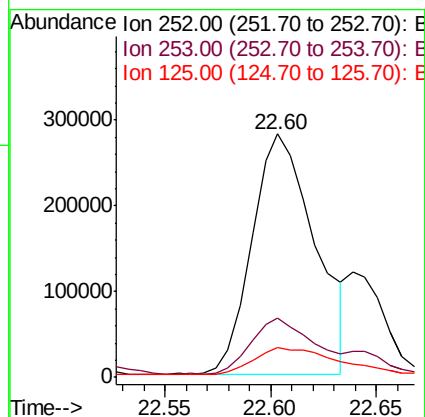
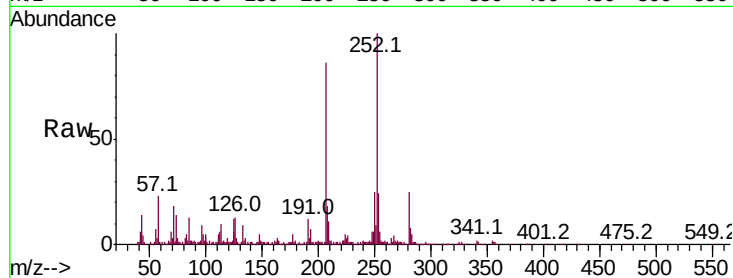
Instrument :

BNA_M

ClientSampleId :

COBM8

Tot Ion:252	Resp:	580213
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.4 26.0
125	12.2	7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 5.317 ng/ul

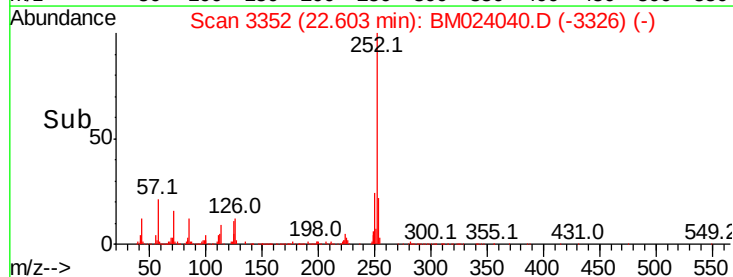
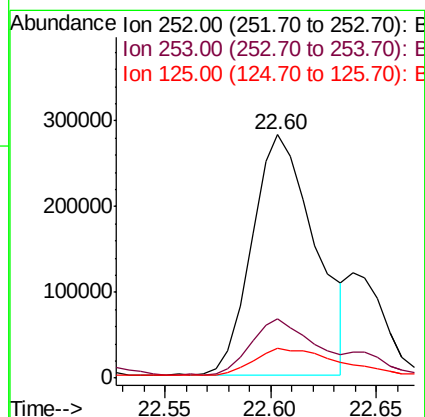
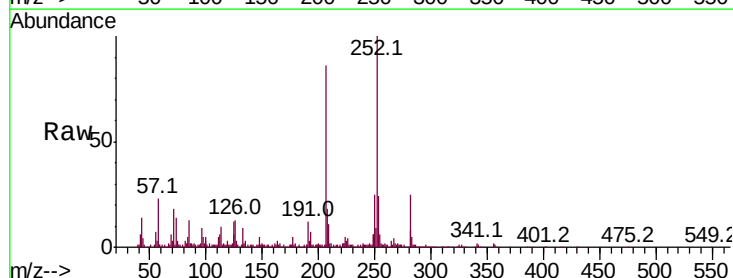
RT: 22.60 min Scan# 3352

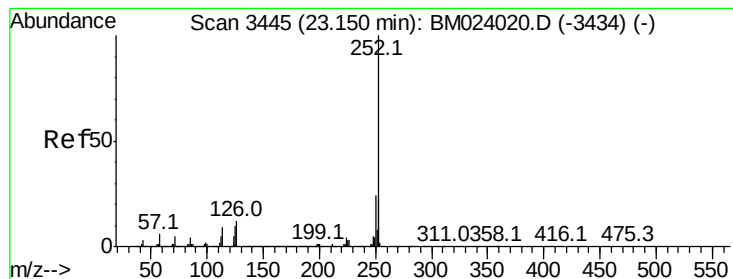
Delta R.T. -0.05 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

Tgt Ion:252	Resp:	580213
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.2 25.8
125	12.2	7.0 10.4#





#91

Benzo(a)pyrene

Concen: 3.888 ng/ul

RT: 23.14 min Scan# 3444

Delta R.T. -0.01 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

Instrument :

BNA_M

ClientSampleId :

C0BM8

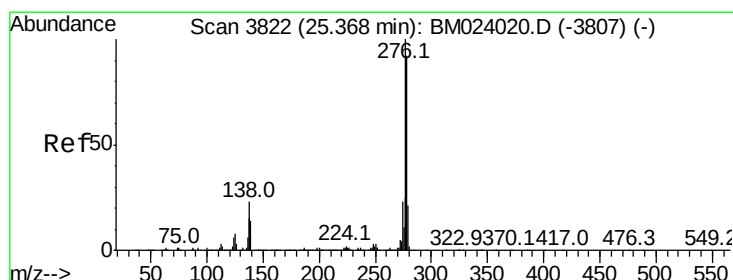
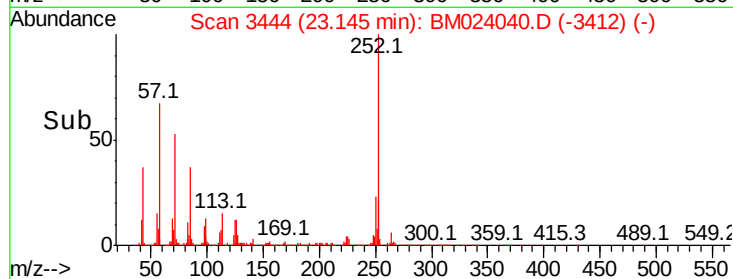
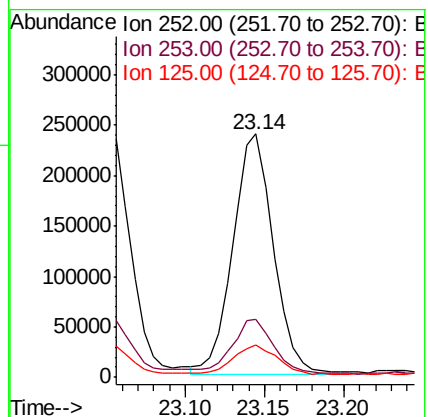
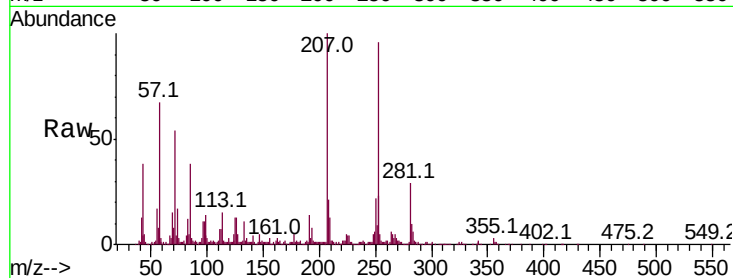
Tot Ion:252 Resp: 422543

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 13.1 7.8 11.6#



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.643 ng/ul

RT: 25.35 min Scan# 3819

Delta R.T. -0.02 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

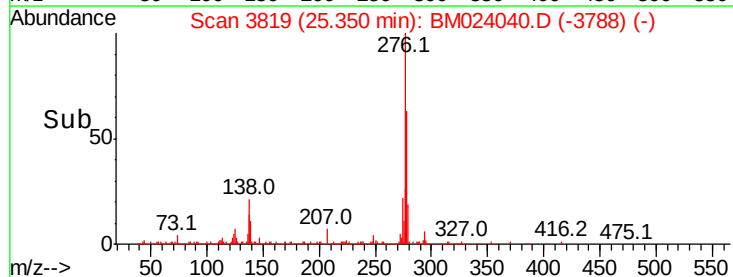
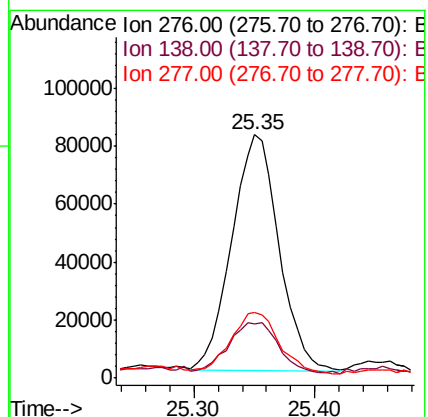
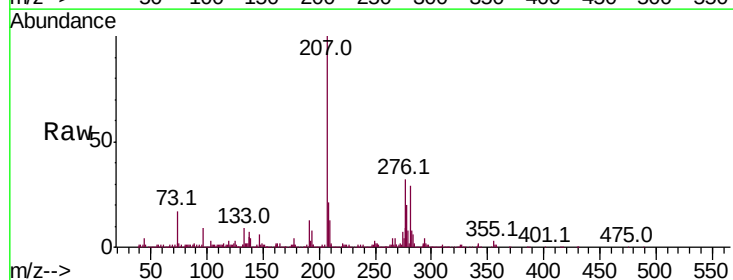
Tgt Ion:276 Resp: 221743

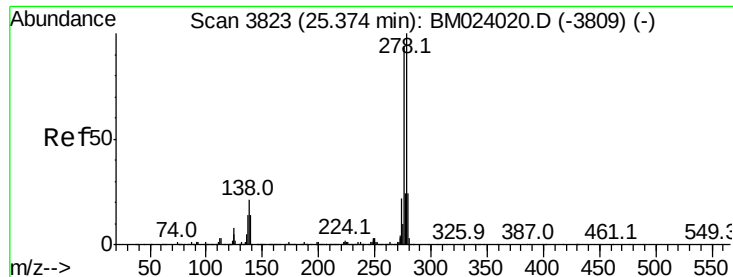
Ion Ratio Lower Upper

276 100

138 22.4 17.0 25.6

277 27.2 19.8 29.8





#93

Dibenzo(a,h)anthracene

Concen: 1.499 ng/ul

RT: 25.36 min Scan# 3820

Delta R.T. -0.02 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

Instrument :

BNA_M

ClientSampleId :

C0BM8

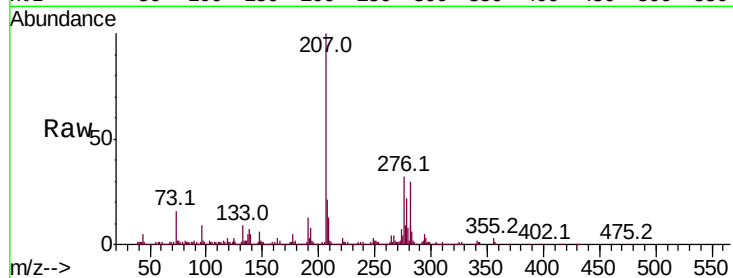
Tot Ion:278 Resp: 169888

Ion Ratio Lower Upper

278 100

139 20.9 11.6 17.4#

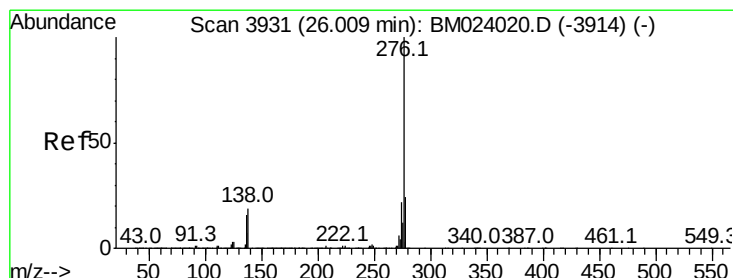
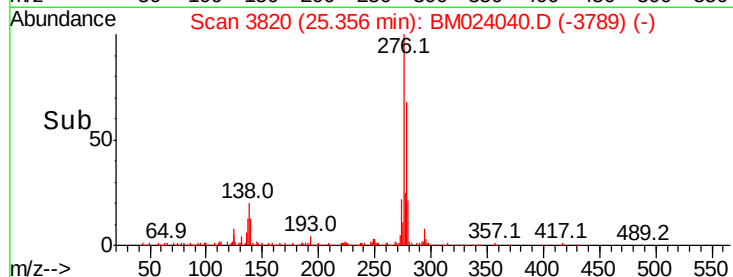
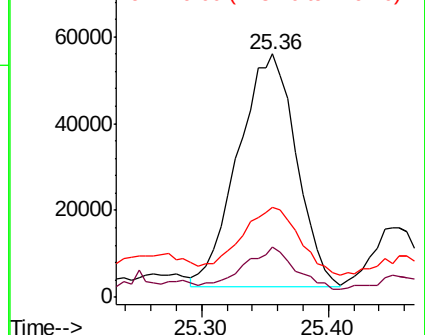
279 37.2 19.1 28.7#



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



#94

Benzo(g,h,i)perylene

Concen: 2.471 ng/ul

RT: 25.99 min Scan# 3928

Delta R.T. -0.02 min

Lab File: BM024040.D

Acq: 11 Dec 2019 19:04

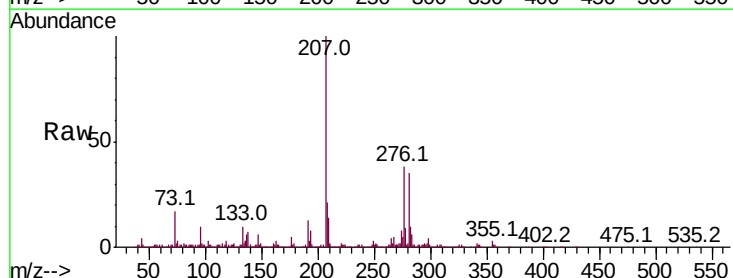
Tgt Ion:276 Resp: 279276

Ion Ratio Lower Upper

276 100

138 18.8 14.9 22.3

277 24.5 19.1 28.7



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

